

# Bakersfield to Palmdale

TRACK AND ROADWAY STRUCTURES  
RECORD SET PEPD  
DESIGN SUBMISSION  
January 2021



**GENERAL SHEETS**

SHEET NO.	DRAWING NO.	DRAWING DESCRIPTION
1		COVER SHEET
2	ST-B0001	TRACK AND ROADWAY STRUCTURES - INDEX OF DRAWINGS SHEET 1 OF 2
3	ST-B0002	TRACK AND ROADWAY STRUCTURES - INDEX OF DRAWINGS SHEET 2 OF 2
4	ST-B0003	TRACK AND ROADWAY STRUCTURES - GENERAL NOTES AND LEGENDS
5	ST-B0004	ALTERNATIVE 1 - TRACK AND ROADWAY STRUCTURES - KEY MAP SHEET 1 OF 2
6	ST-B0005	ALTERNATIVE 1 - TRACK AND ROADWAY STRUCTURES - KEY MAP SHEET 2 OF 2
7	ST-B0006	ALTERNATIVE 2 - TRACK AND ROADWAY STRUCTURES - KEY MAP SHEET 1 OF 2
8	ST-B0007	ALTERNATIVE 2 - TRACK AND ROADWAY STRUCTURES - KEY MAP SHEET 2 OF 2
9	ST-B0008	ALTERNATIVE 3 - TRACK AND ROADWAY STRUCTURES - KEY MAP SHEET 1 OF 2
10	ST-B0009	ALTERNATIVE 3 - TRACK AND ROADWAY STRUCTURES - KEY MAP SHEET 2 OF 2
11	ST-B0010	ALTERNATIVE 5 - TRACK AND ROADWAY STRUCTURES - KEY MAP SHEET 1 OF 2
12	ST-B0011	ALTERNATIVE 5 - TRACK AND ROADWAY STRUCTURES - KEY MAP SHEET 2 OF 2
13	ST-B3001	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 1 OF 11
14	ST-B3002	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 2 OF 11
15	ST-B3003	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 3 OF 11
16	ST-B3003A	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 4 OF 11
17	ST-B3004	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 5 OF 11
18	ST-B3005	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 6 OF 11
19	ST-B3005A	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 7 OF 11
20	ST-B3006	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 8 OF 11
21	ST-B3008	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 9 OF 11
22	ST-B3009	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 10 OF 11
23	ST-B3010	GENERAL - TRACK STRUCTURES - TYPICAL SECTION SHEET 11 OF 11

**TRACK STRUCTURES**

SHEET NO.	DRAWING NO.	DRAWING DESCRIPTION
24-37	ST-J1001 TO ST-J1014	ALTERNATIVES 1,3,5 - TRACK STRUCTURES - VIADUCT STATION 17285+00 TO 17412+72.05-PLAN AND ELEVATION
38	ST-J1017	ALTERNATIVES 1,3,5 - VINELAND ROAD UNDERPASS - PLAN AND ELEVATION
39	ST-J1018	ALTERNATIVES 1,3,5 - EDISON ROAD UNDERPASS - PLAN AND ELEVATION
40	ST-J1019	ALTERNATIVES 1,3,5 - MALAGA ROAD UNDERPASS - PLAN AND ELEVATION
41	ST-J1020	ALTERNATIVES 1,3,5 - COMANCHE DRIVE UNDERPASS - PLAN AND ELEVATION
42	ST-J1021	ALTERNATIVES 1,3,5 - TEJON HIGHWAY NORTH UNDERPASS - PLAN AND ELEVATION
43	ST-J1022	ALTERNATIVES 1,3,5 - TEJON HIGHWAY SOUTH UNDERPASS - PLAN AND ELEVATION
44	ST-J1023	ALTERNATIVES 1,3,5 - TOWERLINE ROAD UNDERPASS - PLAN AND ELEVATION
45	ST-J1024	ALTERNATIVES 1,3,5 - NEUMARKEL ROAD UNDERPASS - PLAN AND ELEVATION
46-47	ST-J1025 TO ST-J1026	ALTERNATIVES 1,3,5 - VIADUCT STATION 17841+15 TO 17856+15 - PLAN AND ELEVATION
48-51	ST-J1027 TO ST-J1030	ALTERNATIVES 1,2,3,5 - VIADUCT STATION 18076+71 TO 18106+61 - PLAN AND ELEVATION
52	ST-J1031	ALTERNATIVES 1,2,3,5 - CALIENTE BODFISH RD UNDERPASS - PLAN AND ELEVATION
53	ST-J1032	ALTERNATIVES 1,2,3,5 - UNDERPASS STATION 18239+45 TO 18245+25 - PLAN AND ELEVATION
54-55	ST-J1033 TO ST-J1034	ALTERNATIVES 1,2,3,5 - VIADUCT STATION 18463+56 TO 18475+16 - PLAN AND ELEVATION
56	ST-J1035	ALTERNATIVES 1,2,3,5 - UNDERPASS STATION 18494+23 TO 18497+43 - PLAN AND ELEVATION
57-58	ST-J1036 TO ST-J1037	ALTERNATIVES 1,2,3,5 - VIADUCT STATION 18561+10 TO 18575+70 - PLAN AND ELEVATION
59	ST-J1038	ALTERNATIVES 1,2,3,5 - UNDERPASS STATION 18700+32 TO 18703+52 - PLAN AND ELEVATION
60-62	ST-J1039 TO ST-J1041	ALTERNATIVES 1,2,3,5 - VIADUCT STATION 18717+05 TO 18746+55 - PLAN AND ELEVATION
63-68	ST-J1042 TO ST-J1047	ALTERNATIVES 1,2,3,5 - VIADUCT STATION 18828+25 TO 18874+85 - PLAN AND ELEVATION
69	ST-J1047A	ALTERNATIVES 1,3,5 - NORTH VIADUCT STATION 19066+32 TO 19068+32 - PLAN AND ELEVATION
70	ST-J1047B	ALTERNATIVES 1,3,5 - SOUTH VIADUCT STATION 19066+05 TO 19068+05 - PLAN AND ELEVATION
71	ST-J1048	ALTERNATIVES 1,2,3,5 - SR 58 NORTH UNDERPASS - PLAN AND ELEVATION
72	ST-J1049	ALTERNATIVES 1,2,3,5 - SR 58 SOUTH UNDERPASS - PLAN AND ELEVATION
73-74	ST-J1050 TO ST-J1050A	ALTERNATIVES 1,2,3,5 - GOODRICK DRIVE-TEHACHAPI BLVD NORTH VIADUCT - PLAN AND ELEVATION
75-76	ST-J1051 TO ST-J1051A	ALTERNATIVES 1,2,3,5 - GOODRICK DRIVE-TEHACHAPI BLVD SOUTH VIADUCT - PLAN AND ELEVATION
77	ST-J1052	ALTERNATIVES 1,2,3,5 - STUBER ROAD NORTH UNDERPASS - PLAN AND ELEVATION
78	ST-J1053	ALTERNATIVES 1,2,3,5 - STUBER ROAD SOUTH UNDERPASS - PLAN AND ELEVATION
79	ST-J1058	ALTERNATIVES 1,2,3,5 - NORTH UNDERPASS STATION 19271+95 TO 19276+25 - PLAN AND ELEVATION
80	ST-J1059	ALTERNATIVES 1,2,3,5 - SOUTH UNDERPASS STATION 19271+45 TO 19275+85 - PLAN AND ELEVATION
81-82	ST-J1060 TO ST-J1061	ALTERNATIVES 1,2,5 - NORTH VIADUCT STATION 19458+20 TO 19473+80 - PLAN AND ELEVATION
83-84	ST-J1062 TO ST-J1063	ALTERNATIVES 1,2,5 - SOUTH VIADUCT STATION 19458+00 TO 19473+50 - PLAN AND ELEVATION
85	ST-J1064	ALTERNATIVES 1,2,5 - TEHACHAPI WILLOW SPRINGS ROAD NORTH UNDERPASS 2 - PLAN AND ELEVATION

**TRACK STRUCTURES (CONTINUED)**

SHEET NO.	DRAWING NO.	DRAWING DESCRIPTION
86	ST-J1065	ALTERNATIVES 1,2,5 - TEHACHAPI WILLOW SPRINGS ROAD SOUTH UNDERPASS 2 - PLAN AND ELEVATION
87	ST-J1066	ALTERNATIVES 1,2,5 - ROBERT RANCH ROAD NORTH UNDERPASS - PLAN AND ELEVATION
88	ST-J1067	ALTERNATIVES 1,2,5 - ROBERT RANCH ROAD SOUTH UNDERPASS - PLAN AND ELEVATION
89	ST-J1068	ALTERNATIVES 1,2,5 - 110TH STREET NORTH UNDERPASS - PLAN AND ELEVATION
90	ST-J1069	ALTERNATIVES 1,2,5 - 110TH STREET SOUTH UNDERPASS - PLAN AND ELEVATION
91	ST-J1070	ALTERNATIVES 1,2,5 - TROTTER AVENUE NORTH UNDERPASS - PLAN AND ELEVATION
92	ST-J1071	ALTERNATIVES 1,2,5 - TROTTER AVENUE SOUTH UNDERPASS - PLAN AND ELEVATION
93-94	ST-J1072 TO ST-J1073	ALTERNATIVES 1,2,5 - AQUEDUCT ROAD NORTH VIADUCT - PLAN AND ELEVATION
95-96	ST-J1074 TO ST-J1075	ALTERNATIVES 1,2,5 - AQUEDUCT ROAD SOUTH VIADUCT - PLAN AND ELEVATION
97	ST-J1078	ALTERNATIVES 1,2,5 - 105TH STREET NORTH UNDERPASS - PLAN AND ELEVATION
98	ST-J1079	ALTERNATIVES 1,2,5 - 105TH STREET SOUTH UNDERPASS - PLAN AND ELEVATION
99	ST-J1080	ALTERNATIVES 1,2,5 - CHAMPANGUE ROAD NORTH UNDERPASS - PLAN AND ELEVATION
100	ST-J1081	ALTERNATIVES 1,2,5 - CHAMPANGNE ROAD SOUTH UNDERPASS - PLAN AND ELEVATION
101	ST-J1087	ALTERNATIVES 1,2,5 - TEHACHAPI WILLOW SPRINGS ROAD UNDERPASS 3 - PLAN AND ELEVATION
102	ST-J1088	ALTERNATIVES 1,2,3,5 - DAWN ROAD - 85TH STREET UNDERPASS - PLAN AND ELEVATION
103	ST-J1089	ALTERNATIVES 1,2,3,5 - FAVORITO AVENUE - 80TH STREE UNDERPASS - PLAN AND ELEVATION
104-105	ST-J1090 TO ST-J1090A	ALTERNATIVES 1,2,3,5 - SWEETSER ROAD VIADUCT - PLAN AND ELEVATION
106	ST-J1091	ALTERNATIVES 1,2,3,5 - ROSAMOND BLVD UNDERPASS - PLAN AND ELEVATION
107	ST-J1092	ALTERNATIVES 1,2,3,5 - 60TH STREET UNDERPASS - PLAN AND ELEVATION
108	ST-J1093	ALTERNATIVES 1,2,3,5 - ASTORIA AVENUE UNDERPASS - PLAN AND ELEVATION
109	ST-J1094	ALTERNATIVES 1,2,3,5 - HOLIDAY AVENUE UNDERPASS - PLAN AND ELEVATION
110	ST-J1095	ALTERNATIVES 1,2,3,5 - 50TH STREET UNDERPASS - PLAN AND ELEVATION
111	ST-J1096	ALTERNATIVES 1,2,3,5 - AVENUE A UNDERPASS - PLAN AND ELEVATION
112	ST-J1096A	ALTERNATIVES 1,2,3,5 - 40TH STREET - AVENUE A8 VIADUCT - PLAN AND ELEVATION
113	ST-J1097	ALTERNATIVES 1,2,3,5 - AVENUE B EAST UNDERPASS - PLAN AND ELEVATION
114	ST-J1099	ALTERNATIVES 1,2,3,5 - 30TH STREET - AVENUE C UNDERPASS - PLAN AND ELEVATION
115	ST-J1100	ALTERNATIVES 1,2,3,5 - SR 138 UNDERPASS - PLAN AND ELEVATION
116	ST-J1101	ALTERNATIVES 1,2,3,5 - SR 14 UNDERPASS - PLAN AND ELEVATION
117	ST-J1102	ALTERNATIVES 1,2,3,5 - AVENUE E UNDERPASS - PLAN AND ELEVATION
118-120	ST-J1103 TO ST-J1103B	ALTERNATIVES 1,2,3 - AVENUE F VIADUCT - PLAN AND ELEVATION
121	ST-J1103C	ALTERNATIVES 1,2,3 - AVENUE I OVERHEAD - PLAN AND ELEVATION
122	ST-J1103D	ALTERNATIVES 1,2,3 - LANCASTER BOULEVARD OVERHEAD - PLAN AND ELEVATION
123-135	ST-J1104 TO ST-J1116	ALTERNATIVE 2 - VIADUCT STATION 17285+00 TO 17412+52.05 - PLAN AND ELEVATION
136	ST-J1120	ALTERNATIVE 2 - VINELAND ROAD UNDERPASS - PLAN AND ELEVATION
137-140	ST-J1121 TO ST-J1124	ALTERNATIVE 2 - VIADUCT STATION 17497+80 TO 17530+70 - PLAN AND ELEVATION
141	ST-J1125	ALTERNATIVE 2 - MALAGA ROAD UNDERPASS - PLAN AND ELEVATION
142	ST-J1126	ALTERNATIVE 2 - COMANCHE DRIVE UNDERPASS - PLAN AND ELEVATION
143	ST-J1127	ALTERNATIVE 2 - TEJON HIGHWAY UNDERPASS - PLAN AND ELEVATION
144	ST-J1128	ALTERNATIVE 2 - TOWERLINE ROAD UNDERPASS - PLAN AND ELEVATION
145-146	ST-J1129 TO ST-J1130	ALTERNATIVE 2 - SR 58 VIADUCT - PLAN AND ELEVATION
147	ST-J1131	ALTERNATIVE 2 - NEUMARKEL ROAD UNDERPASS - PLAN AND ELEVATION
148-149	ST-J1132 TO ST-J1133	ALTERNATIVE 2 - VIADUCT STATION 17840+55 TO 17855+65 - PLAN AND ELEVATION
150	ST-J1134	ALTERNATIVE 3 - TEHACHAPI WILLOW SPRINGS ROAD NORTH UNDERPASS 4 - PLAN AND ELEVATION
151	ST-J1135	ALTERNATIVE 3 - TEHACHAPI WILLOW SPRINGS ROAD SOUTH UNDERPASS 4 - PLAN AND ELEVATION
152	ST-J1136	ALTERNATIVE 3 - PACIFIC CREST TRAIL NORTH UNDERPASS - PLAN AND ELEVATION
153	ST-J1137	ALTERNATIVE 3 - PACIFIC CREST TRAIL SOUTH UNDERPASS - PLAN AND ELEVATION
154	ST-J1138	ALTERNATIVE 3 - TROTTER AVENUE NORTH UNDERPASS - PLAN AND ELEVATION
155	ST-J1139	ALTERNATIVE 3 - TROTTER AVENUE SOUTH UNDERPASS - PLAN AND ELEVATION
156	ST-J1140	ALTERNATIVE 3 - 110TH STREET NORTH UNDERPASS - PLAN AND ELEVATION
157	ST-J1141	ALTERNATIVE 3 - 110TH STREET SOUTH UNDERPASS - PLAN AND ELEVATION
158-159	ST-J1142 TO ST-J1143	ALTERNATIVE 3 - AQUEDUCT ROAD NORTH VIADUCT - PLAN AND ELEVATION
160-161	ST-J1144 TO ST-J1145	ALTERNATIVE 3 - AQUEDUCT ROAD SOUTH VIADUCT - PLAN AND ELEVATION
162	ST-J1146	ALTERNATIVE 3 - BACKUS ROAD NORTH UNDERPASS - PLAN AND ELEVATION
163	ST-J1147	ALTERNATIVE 3 - BACKUS ROAD SOUTH UNDERPASS - PLAN AND ELEVATION
164	ST-J1148	ALTERNATIVE 3 - 105TH STREET NORTH UNDERPASS - PLAN AND ELEVATION
165	ST-J1149	ALTERNATIVE 3 - 105TH STREET SOUTH UNDERPASS - PLAN AND ELEVATION
166	ST-J1150	ALTERNATIVE 3 - CHAMPAGNE ROAD NORTH UNDERPASS - PLAN AND ELEVATION
167	ST-J1151	ALTERNATIVE 3 - CHAMPAGNE ROAD SOUTH UNDERPASS - PLAN AND ELEVATION
168	ST-J1157	ALTERNATIVE 3 - TEHACHAPI WILLOW SPRINGS ROAD UNDERPASS 5 - PLAN AND ELEVATION
169-171	ST-J1158 TO ST-J1160	ALTERNATIVE 5 - AVENUE F UNDERPASS - PLAN AND ELEVATION
172	ST-J1160A	ALTERNATIVE 5 - LANCASTER BOULEVARD UNDERPASS - PLAN AND ELEVATION

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>R. GOLCHOBIAN</b>
DRAWN BY <b>Y. WANG</b>
CHECKED BY <b>R. BARTON</b>
IN CHARGE <b>G. CAMPBELL</b>
DATE <b>01/29/2021</b>

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CONSTRUCTION**



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

ALTERNATIVE 1, 2, 3, 5  
TRACK AND ROADWAY STRUCTURES  
INDEX OF DRAWINGS  
SHEET 1 OF 2

CONTRACT NO. HSR13-44
DRAWING NO. ST-B0001
SCALE AS SHOWN
SHEET NO. 2



## ROADWAY STRUCTURES

SHEET NO.	DRAWING NO.	DRAWING DESCRIPTION
173	ST-K1002	ALTERNATIVES 1,2,3,5 - MORNING DRIVE UNDERPASS - PLAN AND ELEVATION
174	ST-K1003	ALTERNATIVES 1,3,5 - EDISON ROAD EB UNDERCROSSING - PLAN AND ELEVATION
175	ST-K1004	ALTERNATIVES 1,3,5 - EDISON ROAD WB UNDERCROSSING - PLAN AND ELEVATION
176	ST-K1005	ALTERNATIVES 1,3,5 - MAGALA ROAD EB UNDERCROSSING - PLAN AND ELEVATION
177	ST-K1006	ALTERNATIVES 1,3,5 - MAGALA ROAD WB UNDERCROSSING - PLAN AND ELEVATION
178	ST-K1007	ALTERNATIVES 1,3,5 - COMANCHE DRIVE EB UNDERCROSSING - PLAN AND ELEVATION
179	ST-K1008	ALTERNATIVES 1,3,5 - COMANCHE DRIVE WB UNDERCROSSING - PLAN AND ELEVATION
180	ST-K1009	ALTERNATIVES 1,3,5 - TEJON HIGHWAY EB UNDERCROSSING - PLAN AND ELEVATION
181	ST-K1010	ALTERNATIVES 1,3,5 - TEJON HIGHWAY WB UNDERCROSSING - PLAN AND ELEVATION
182	ST-K1011	ALTERNATIVES 1,3,5 - TOWERLINE ROAD EB UNDERCROSSING - PLAN AND ELEVATION
183	ST-K1012	ALTERNATIVES 1,3,5 - TOWERLINE ROAD WB UNDERCROSSING - PLAN AND ELEVATION
184	ST-K1013	ALTERNATIVES 1,2,3,5 - GENERAL BEALE ROAD OVERHEAD - PLAN AND ELEVATION
185	ST-K1014	ALTERNATIVES 1,2,3,5 - BEALVILLE ROAD OVERHEAD - PLAN AND ELEVATION
186-188	ST-K1015 TO ST-K1016	ALTERNATIVES 1,2,3,5 - SR 58 EB OVERHEAD - PLAN AND ELEVATION
189-191	ST-K1017 TO ST-K1018	ALTERNATIVES 1,2,3,5 - SR 58 WB OVERHEAD - PLAN AND ELEVATION
192-193	ST-K1019A TO ST-K1019B	ALTERNATIVES 1,2,3,5 - HIGHLINE ROAD OVERHEAD - PLAN AND ELEVATION
194-195	ST-K1019C TO ST-K1019D	ALTERNATIVES 1,2,3,5 - TEHACHAPI WILLOW SPRINGS ROAD OVERHEAD - PLAN AND ELEVATION
196	ST-K1019E	ALTERNATIVES 1,2,3,5 - TEHACHAPI WILLOW SPRINGS ROAD OVERCROSSING - PLAN AND ELEVATION
197	ST-K1019F	ALTERNATIVES 1,3,5 - TUNNEL ACCESS ROAD BRIDGE - PLAN AND ELEVATION
198	ST-K1019G	ALTERNATIVES 1 - OAK CREEK ROAD OVERHEAD - PLAN AND ELEVATION
199	ST-K1021	ALTERNATIVES 1,2,3 - AVENUE G OVERHEAD 1 - PLAN AND ELEVATION
200	ST-K1022	ALTERNATIVES 1,2,3 - AVENUE G OVERHEAD 2 - PLAN AND ELEVATION
201	ST-K1023	ALTERNATIVES 1,2,3 - SIERRA HIGHWAY OVERHEAD - PLAN AND ELEVATION
202	ST-K1024	ALTERNATIVES 1,2,3 - AVENUE H OVERHEAD - PLAN AND ELEVATION
203	ST-K1025A	ALTERNATIVES 1,2,3,5 - AVENUE I OVERCROSSING - PLAN AND ELEVATION
204	ST-K1025B	ALTERNATIVES 1,2,3,5 - AVENUE I UNDERPASS - PLAN AND ELEVATION
205	ST-K1026A	ALTERNATIVES 1,2,3,5 - LANCASTER BLVD. OVERCROSSING - 1 - PLAN AND ELEVATION
206	ST-K1026B	ALTERNATIVES 1,2,3,5 - LANCASTER BLVD. OVERPASS - PLAN AND ELEVATION
207	ST-K1026C	ALTERNATIVES 1,2,3,5 - LANCASTER BLVD. OVERCROSSING - 2- PLAN AND ELEVATION
208	ST-K1028	ALTERNATIVES 1,2,3 - AVENUE J OVERHEAD - PLAN AND ELEVATION
209	ST-K1029	ALTERNATIVES 1,2,3 - AVENUE K OVERHEAD - PLAN AND ELEVATION
210	ST-K1030	ALTERNATIVES 1,2,3 - AVENUE L OVERHEAD - PLAN AND ELEVATION
211-213	ST-K1031 TO ST-K1032A	ALTERNATIVES 1,2,3 - AVENUE M OVERHEAD - PLAN AND ELEVATION
214	ST-K1033	ALTERNATIVES 1,2,3 - DRAINAGE AND WILDLIFE CROSSING OVERHEAD - PLAN AND ELEVATION
215	ST-K1034	ALTERNATIVES 1,2,3 - AVENUE N OVERHEAD - PLAN AND ELEVATION
216	ST-K1036	ALTERNATIVE 5 - AVENUE G OVERHEAD 1 - PLAN AND ELEVATION
217	ST-K1037	ALTERNATIVE 5 - AVENUE G OVERHEAD 2 - PLAN AND ELEVATION
218	ST-K1038	ALTERNATIVE 5 - SIERRA HIGHWAY OVERHEAD - PLAN AND ELEVATION
219	ST-K1039	ALTERNATIVE 5 - AVENUE H OVERHEAD - PLAN AND ELEVATION
220	ST-K1040A	ALTERNATIVE 5 - LANCASTER BLVD. OVERCROSSING - 3 - PLAN AND ELEVATION
221	ST-K1040B	ALTERNATIVE 5 - LANCASTER BLVD. OVERHEAD - PLAN AND ELEVATION
222	ST-K1040C	ALTERNATIVE 5 - LANCASTER BLVD. OVERCROSSING - 4 - PLAN AND ELEVATION
223	ST-K1043	ALTERNATIVE 1,2,3 - AVENUE J OVERHEAD - PLAN AND ELEVATION
224	ST-K1044	ALTERNATIVE 5 - AVENUE K OVERHEAD - PLAN AND ELEVATION
225	ST-K1045	ALTERNATIVE 5 - AVENUE L OVERHEAD - PLAN AND ELEVATION
226-228	ST-K1046 TO ST-K1047A	ALTERNATIVE 5 - AVENUE M OVERHEAD - PLAN AND ELEVATION
229	ST-K1048	ALTERNATIVE 5 - DRAINAGE AND WILDLIFE CROSSING OVERHEAD - PLAN AND ELEVATION
230	ST-K1049	ALTERNATIVE 5 - AVENUE N OVERHEAD - PLAN AND ELEVATION

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
 DRAWN BY  
**Y. WANG**  
 CHECKED BY  
**R. BARTON**  
 IN CHARGE  
**G. CAMPBELL**  
 DATE  
**01/29/2021**

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**CONSTRUCTION**

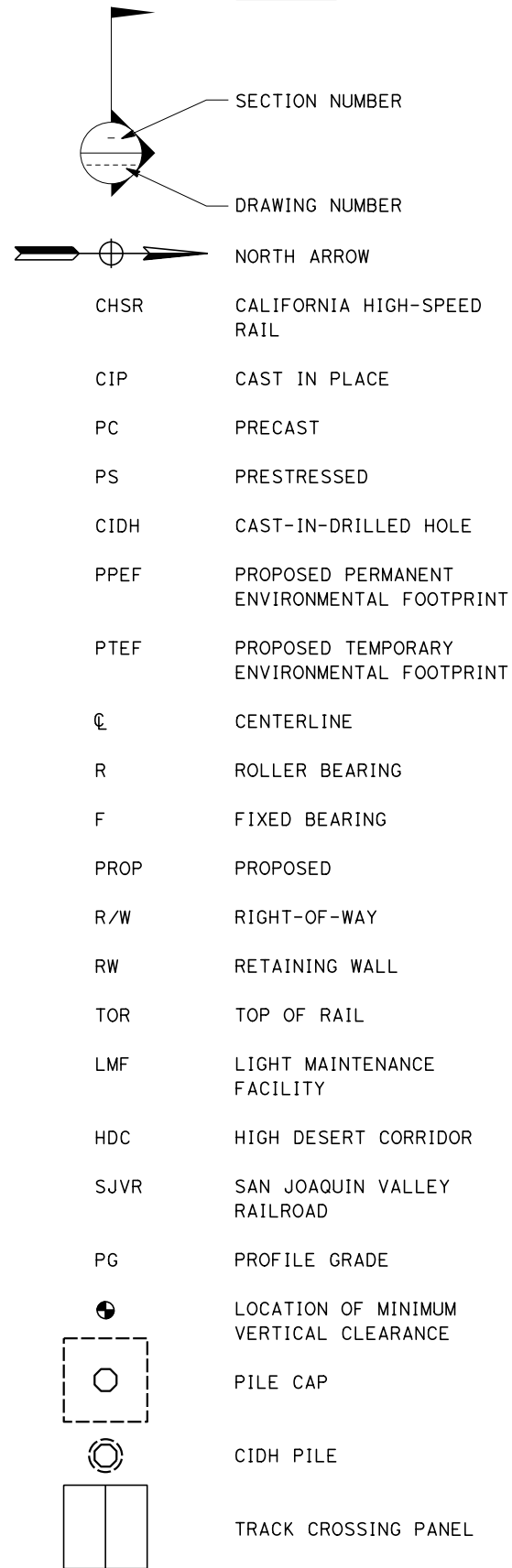
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**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 ALTERNATIVE 1, 2, 3, 5  
 TRACK AND ROADWAY STRUCTURES  
 INDEX OF DRAWINGS  
 SHEET 2 OF 2

CONTRACT NO.  
 HSR13-44  
 DRAWING NO.  
 ST-B0002  
 SCALE  
 AS SHOWN  
 SHEET NO.  
 3

**LEGEND**



- ① CONCRETE BARRIER INTRUSION PROTECTION
- ② CONCRETE BARRIER TYPE 742 (Mod)
- ③ CONCRETE BARRIER TYPE 732SW
- ④ SOLID METAL FENCE ON CONCRETE BARRIER WITHOUT SIDEWALK. SEE NOTE 11.
- ⑤ STRUCTURE APPROACH SLAB
- ⑥ RETAINING WALL
- ⑦ SOLID METAL FENCE ON CONCRETE BARRIER WITH SIDEWALK
- ⑧ CONCRETE BARRIER TYPE 732
- ⑨ METAL HANDRAILING
- ⑩ CHAIN LINK FENCE

**GENERAL NOTES**

1. UTILITY LOCATIONS TO BE DETERMINED.
2. FOR DETAILS NOT NOTED ON PLAN AND ELEVATION SHEETS, SEE TYPICAL SECTION SHEETS FOR TRACK STRUCTURES.
3. GRADE ELEVATIONS SHOWN ARE AT TOP OF RAIL.
4. ALL COLUMNS ARE NORMAL TO THE STATION LINE UNLESS OTHERWISE SHOWN.
5. REFER TO TRACK ALIGNMENT DRAWINGS FOR CURVE AND TANGENT INFORMATION.
6. NOT ALL PILES ARE SHOWN.
7. PILE SIZES AND LENGTHS TO BE DETERMINED.
8. SUPERSTRUCTURE CONSISTS OF PRECAST CONCRETE GIRDERS UNLESS OTHERWISE NOTED.
9. BEARINGS ARTICULATION FOR PC GIRDER SPANS ARE FIXED-ROLLER AT OPPOSING SPAN ENDS UNLESS OTHERWISE NOTED.
10. REFER TO ROADWAY DRAWINGS FOR GEOMETRIC INFORMATION OF ROADWAY STRUCTURES.
11. EXTEND SOLID FENCE 30 FEET FROM CENTERLINE OF OUTERMOST TRACK OR 10 FEET BEYOND THE OUTERMOST ENERGIZED CONDUCTOR OR COMPONENT, WHICHEVER IS GREATER.
12. PROPOSED 4" CHSR FIRE WATER PIPELINE ROUTES THROUGH STRUCTURES FROM STATION 18035+00 TO STATION 19590+00.
13. PROPOSED CHSR ELECTRIC POWER CONDUIT ROUTES THROUGH STRUCTURES FROM STATION 18035+00 TO STATION 19590+00.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1, 2, 3, 5  
TRACK AND ROADWAY STRUCTURES  
GENERAL NOTES AND LEGEND

CONTRACT NO.  
HSR13-44

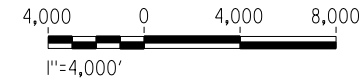
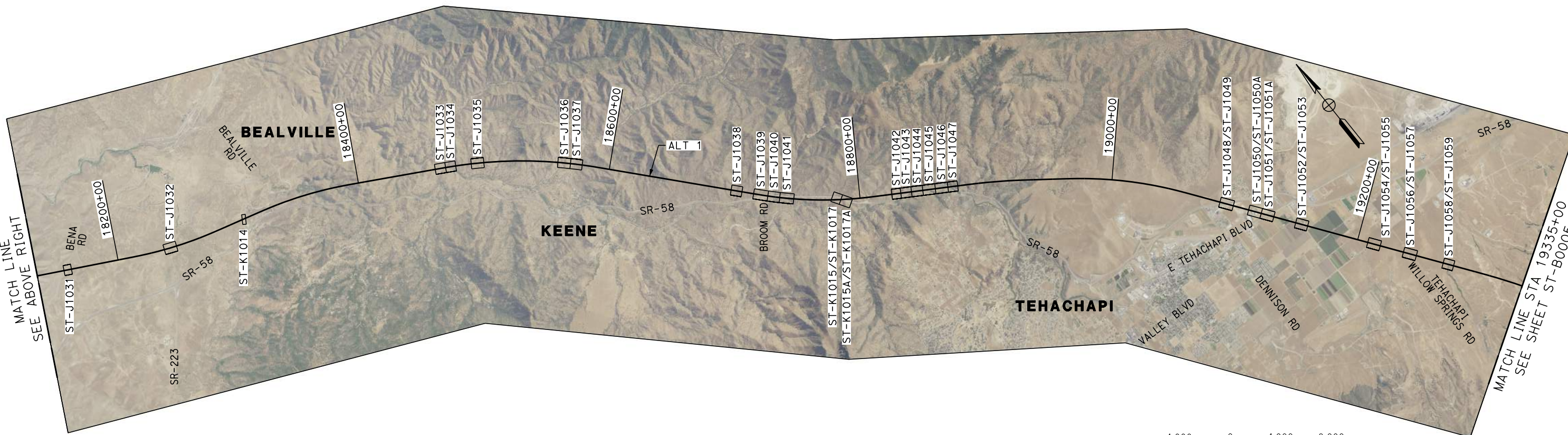
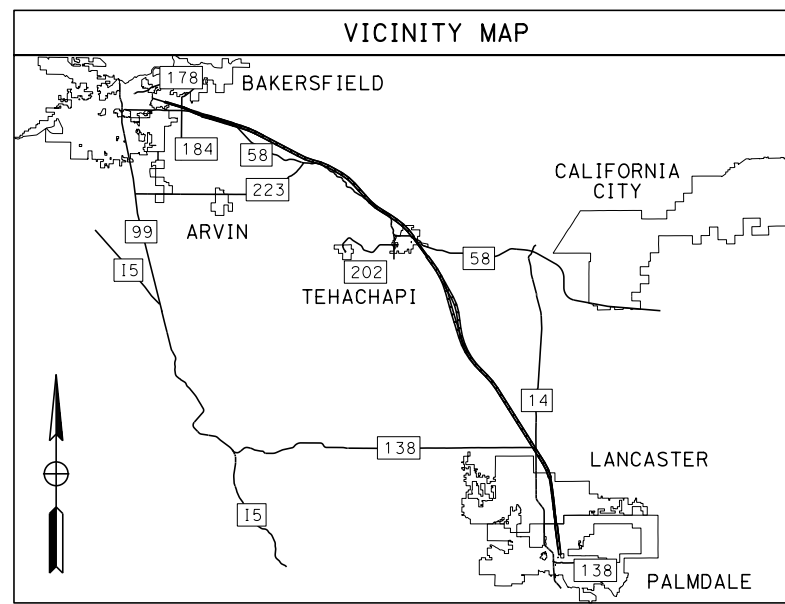
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SCALE  
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SHEET NO.  
4



# ALTERNATIVE 1



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1/20/2021

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DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

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**PEPD**  
**SUBMITTAL**

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**CONSTRUCTION**



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

ALTERNATIVE 1  
TRACK AND ROADWAY STRUCTURES  
KEY MAP  
SHEET 1 OF 2

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-B0004

SCALE  
AS SHOWN

SHEET NO.  
5



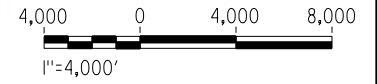
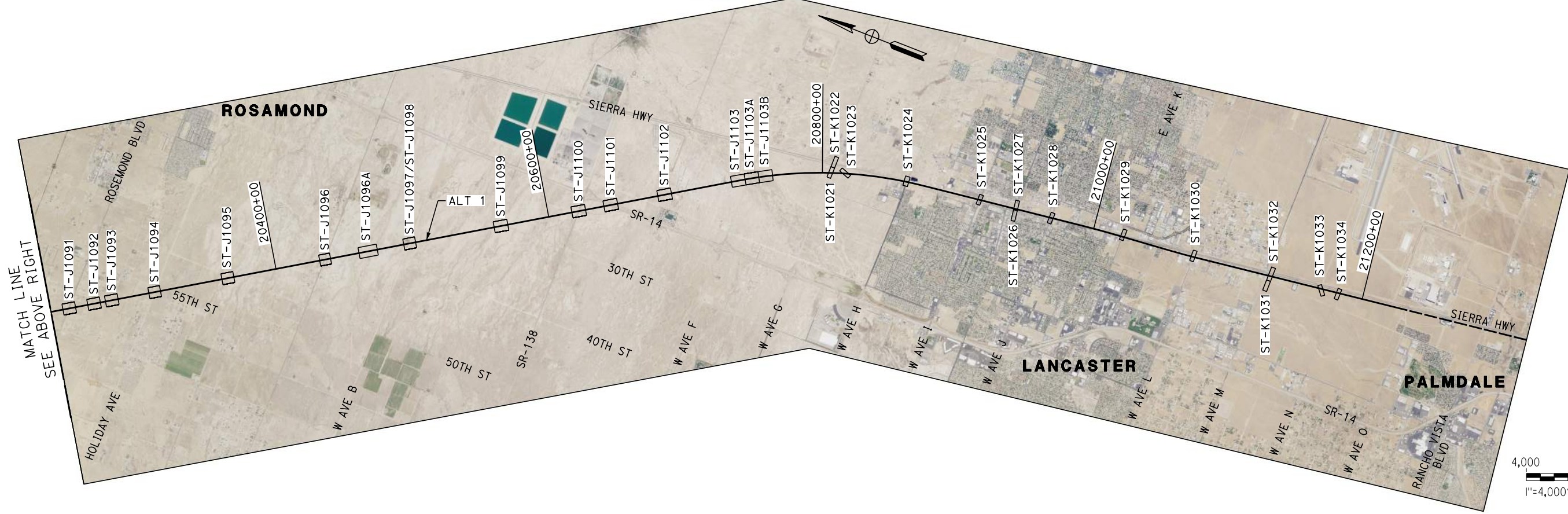
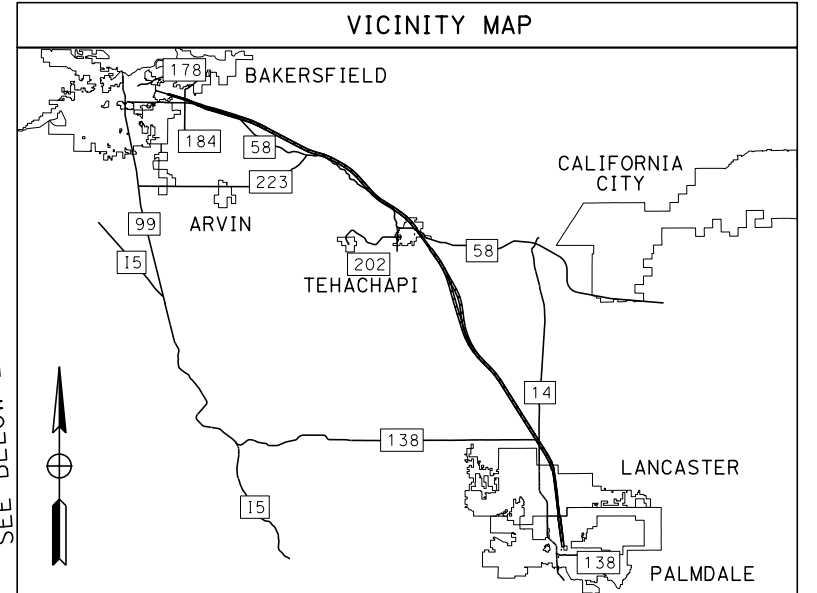
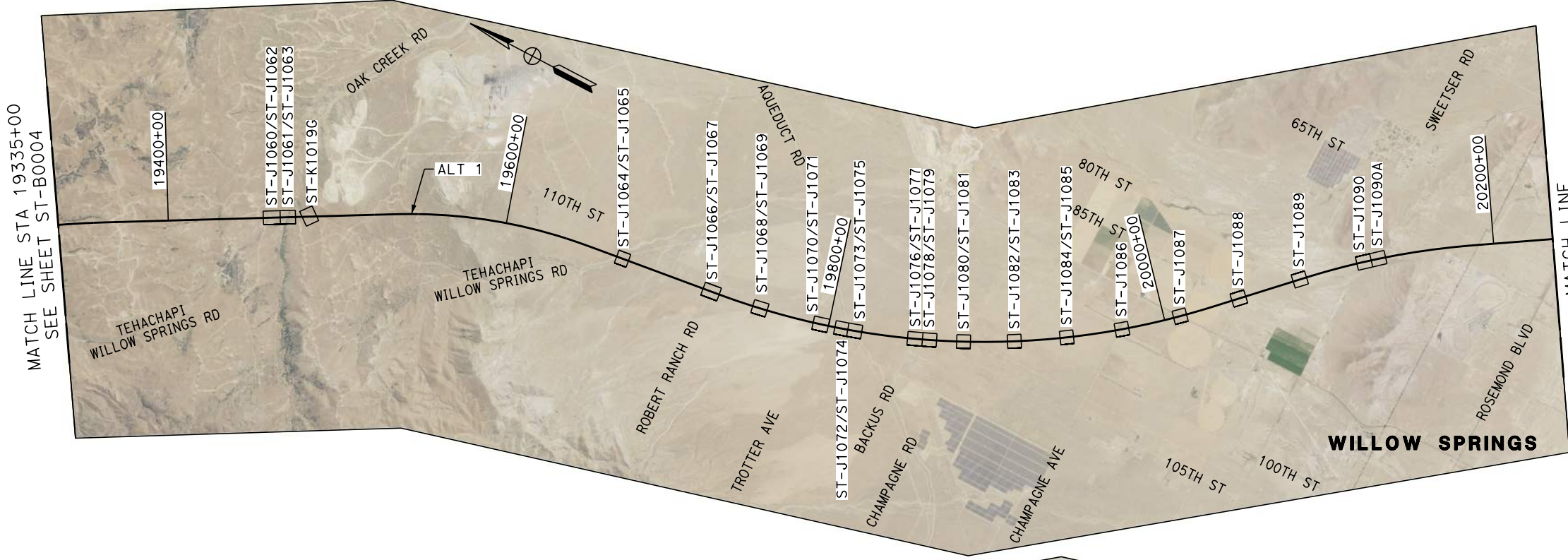
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1/20/2021

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# ALTERNATIVE 1



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

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**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

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**SUBMITTAL**

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

ALTERNATIVE 1  
TRACK AND ROADWAY STRUCTURES  
KEY MAP  
SHEET 2 OF 2

CONTRACT NO.  
HSR13-44

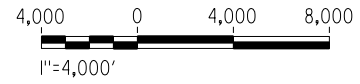
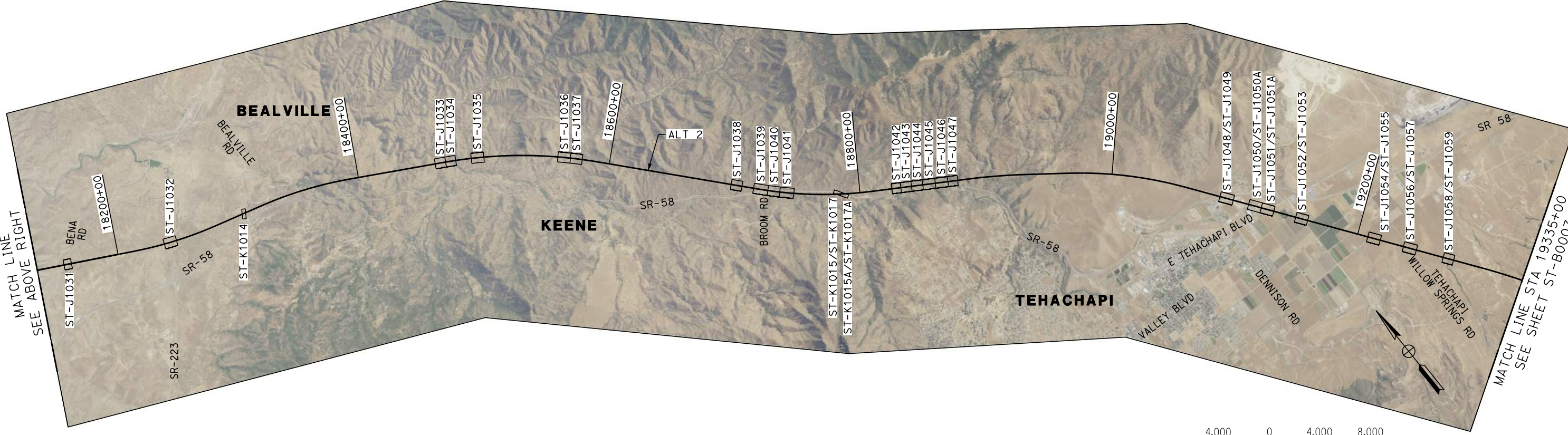
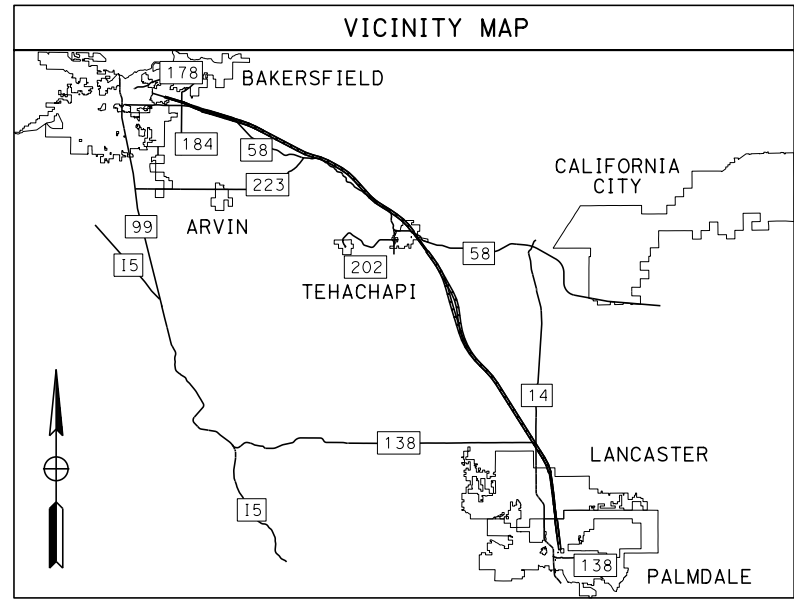
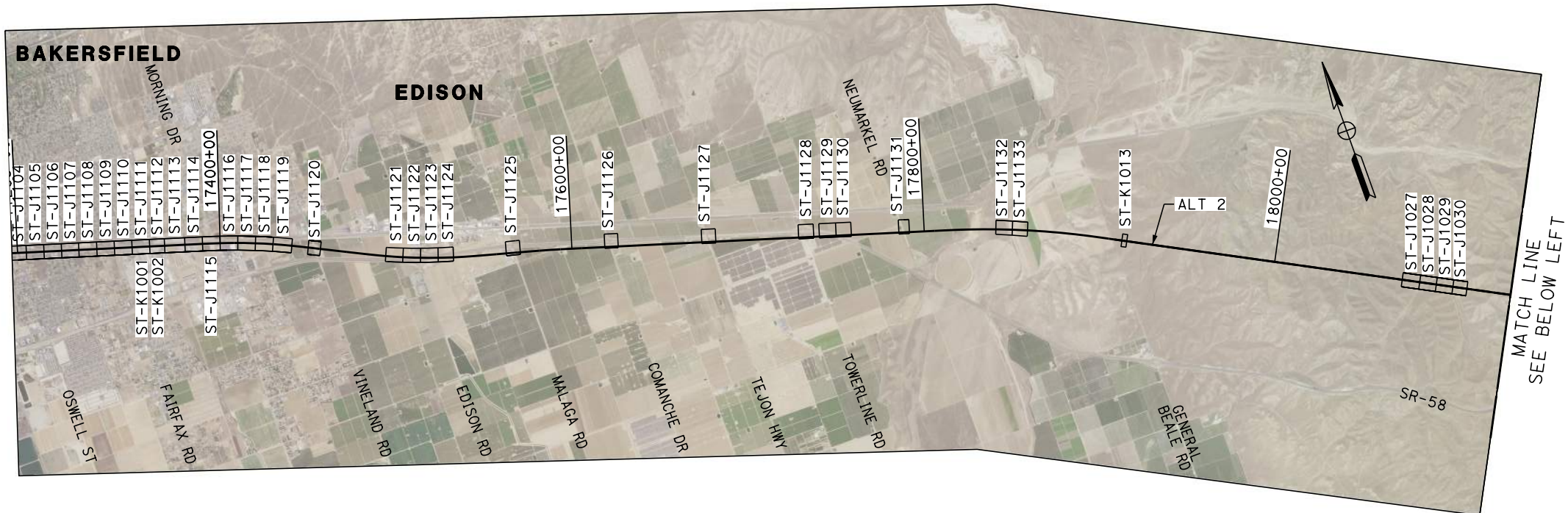
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
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**Y. WANG**  
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**R. BARTON**  
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**G. CAMPBELL**  
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**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 ALTERNATIVE 2  
 TRACK AND ROADWAY STRUCTURES  
 KEY MAP  
 SHEET 1 OF 2

CONTRACT NO.  
HSR13-44  
 DRAWING NO.  
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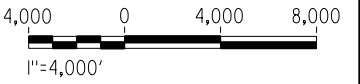
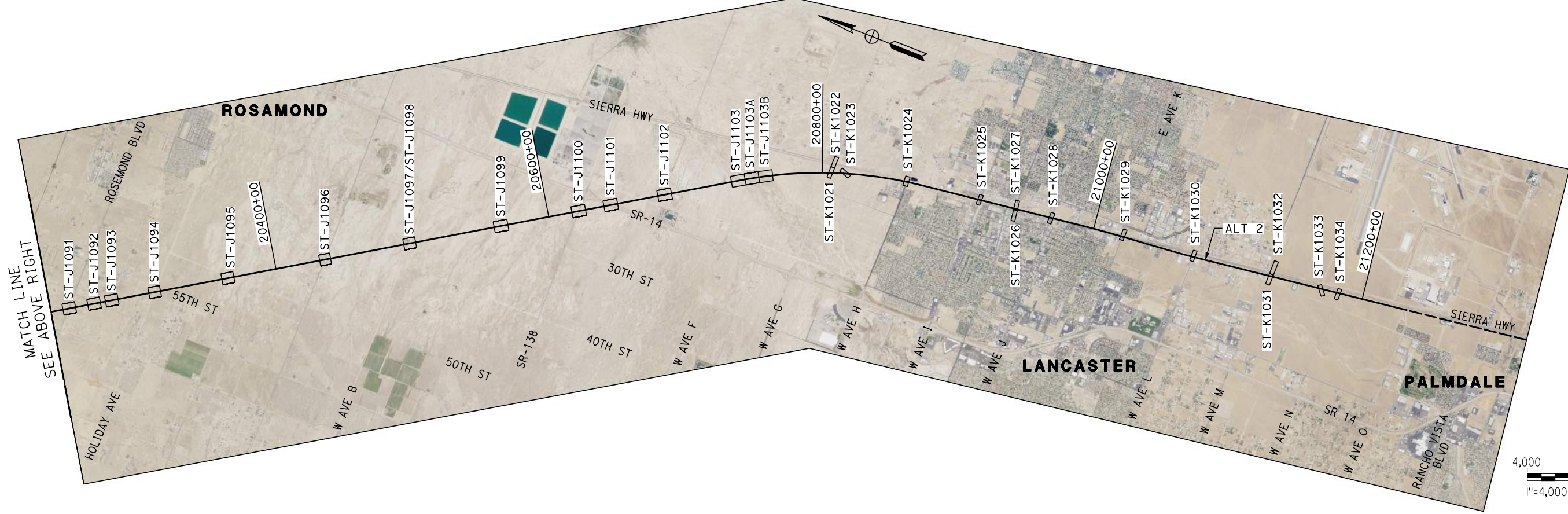
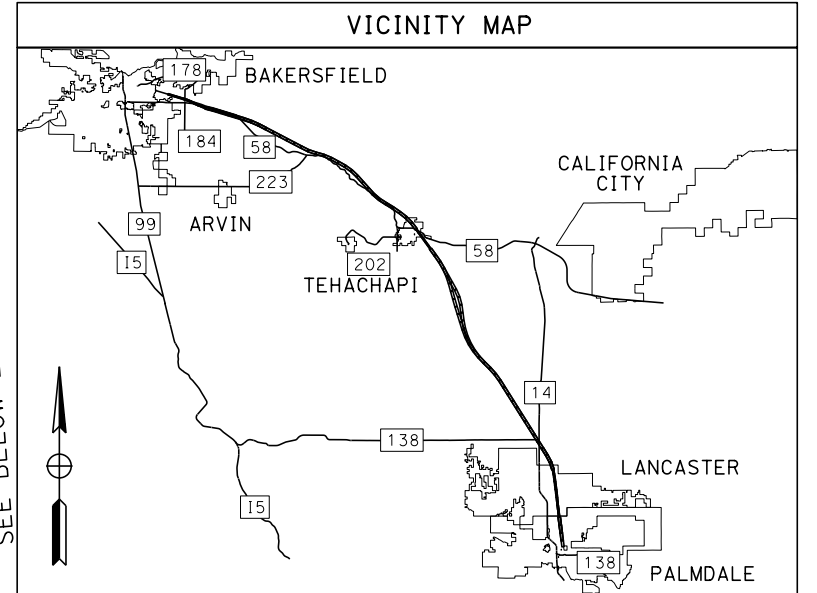
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# ALTERNATIVE 2



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**R. GOLCHOBIAN**  
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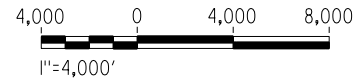
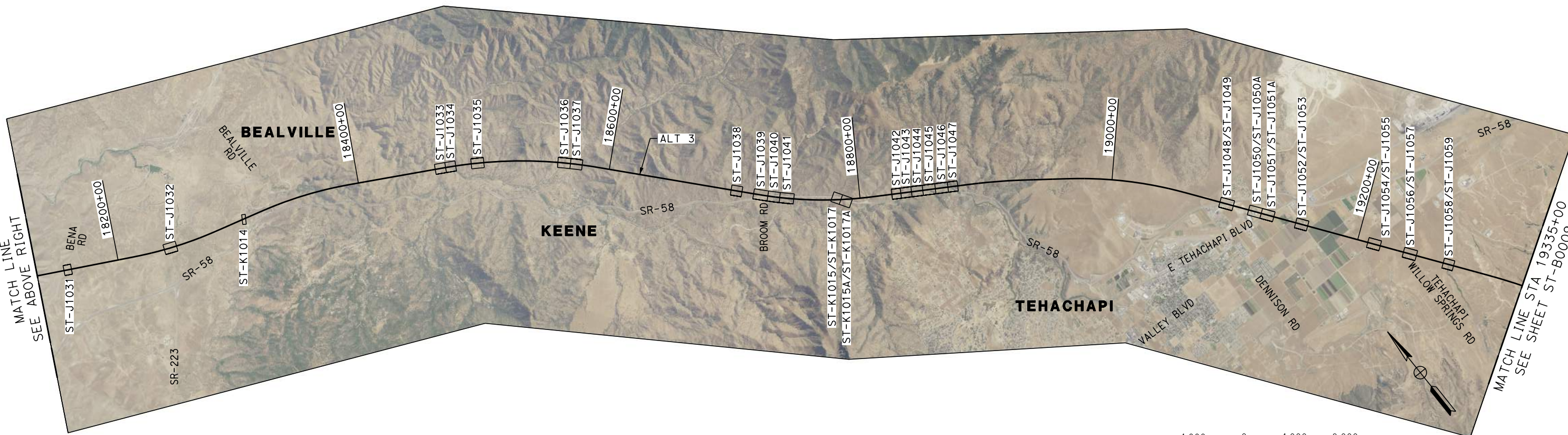
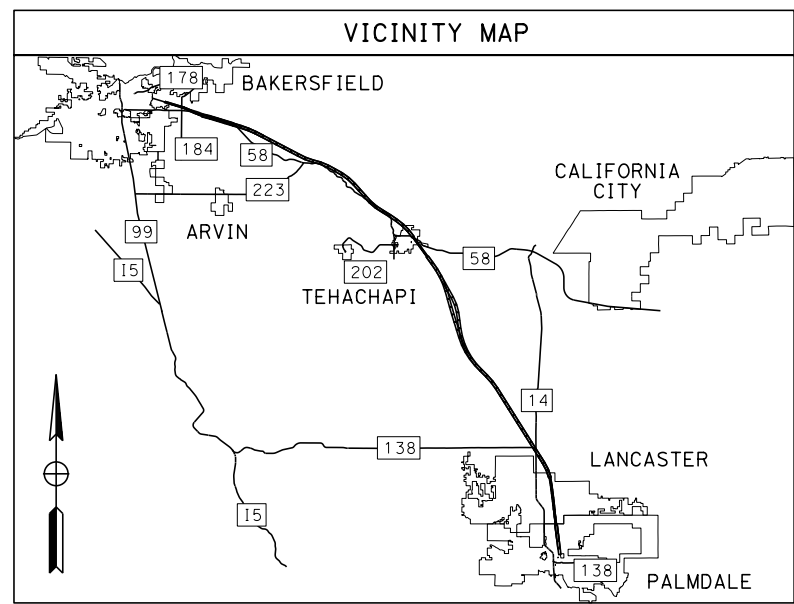
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2  
TRACK AND ROADWAY STRUCTURES  
KEY MAP  
SHEET 2 OF 2

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-B0007  
SCALE  
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SHEET NO.  
8



# ALTERNATIVE 3



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**G. CAMPBELL**  
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**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 ALTERNATIVE 3  
 TRACK AND ROADWAY STRUCTURES  
 KEY MAP  
 SHEET 1 OF 2

CONTRACT NO.  
HSR13-44  
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9



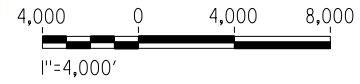
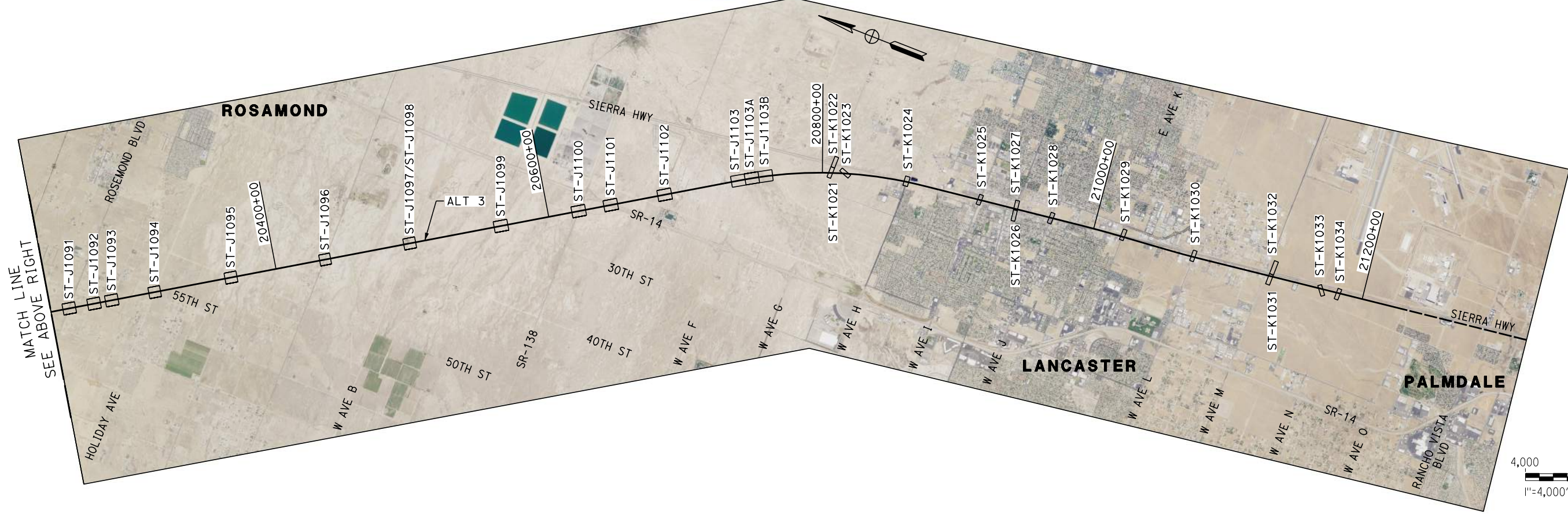
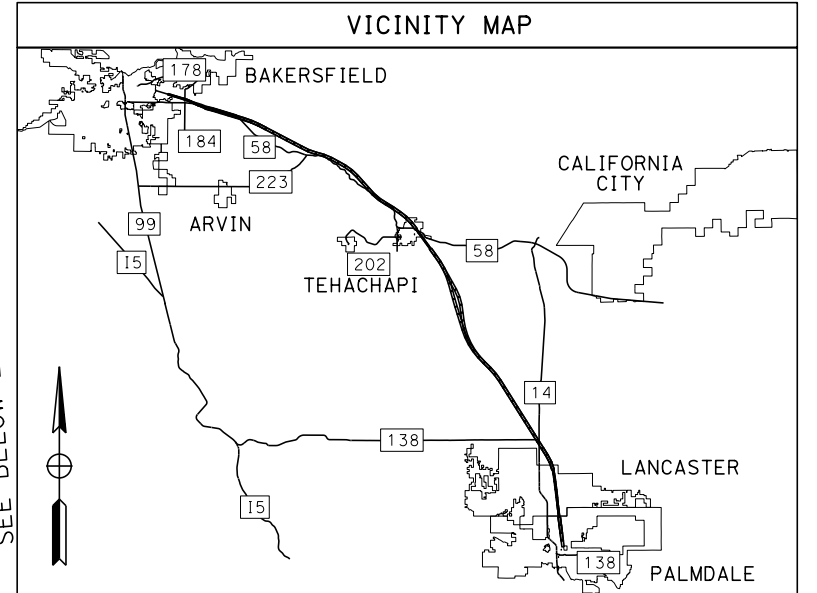
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# ALTERNATIVE 3



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**R. GOLCHOBIAN**

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**G. CAMPBELL**

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

ALTERNATIVE 3  
TRACK AND ROADWAY STRUCTURES  
KEY MAP  
SHEET 2 OF 2

CONTRACT NO.  
HSR13-44

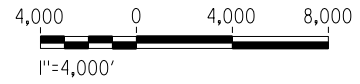
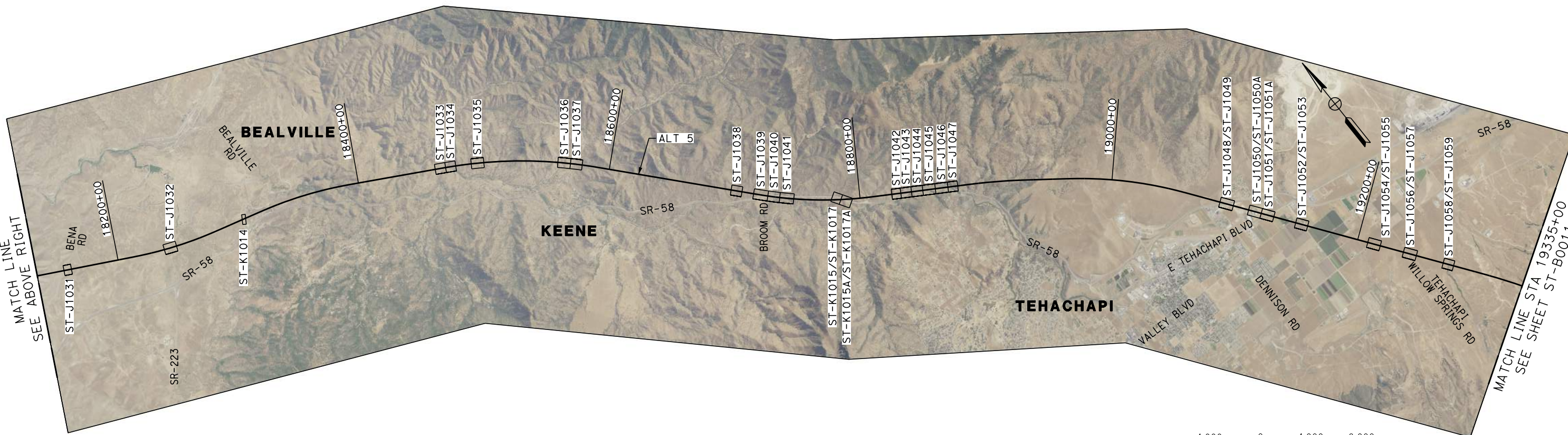
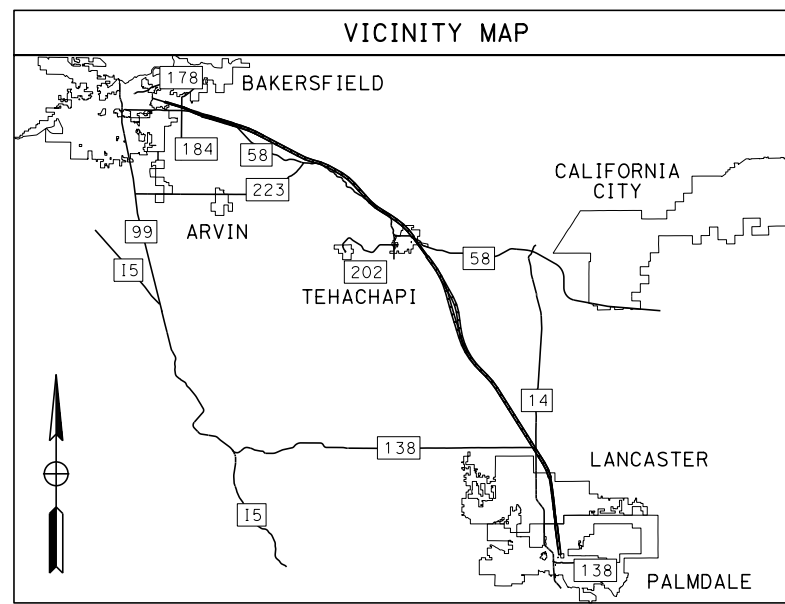
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SHEET NO.  
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REV	DATE	BY	CHK	APP	DESCRIPTION

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**R. GOLCHOBIAN**

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**G. CAMPBELL**

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

ALTERNATIVE 5  
TRACK AND ROADWAY STRUCTURES  
KEY MAP  
SHEET 1 OF 2

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-B0010

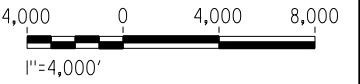
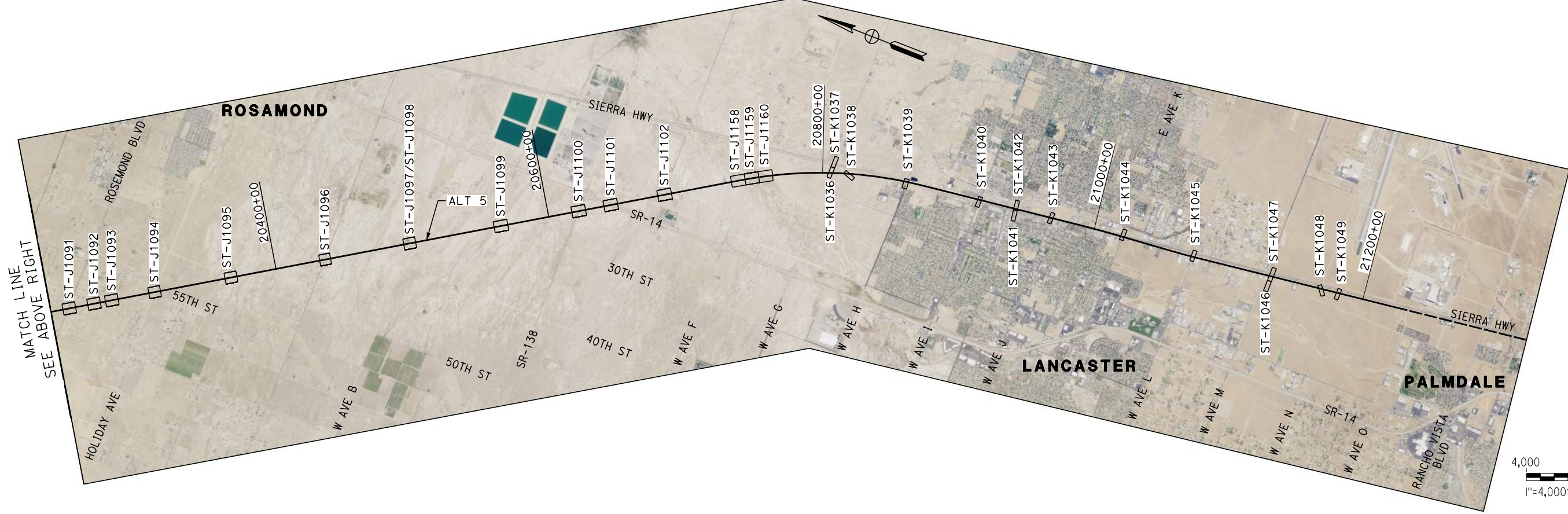
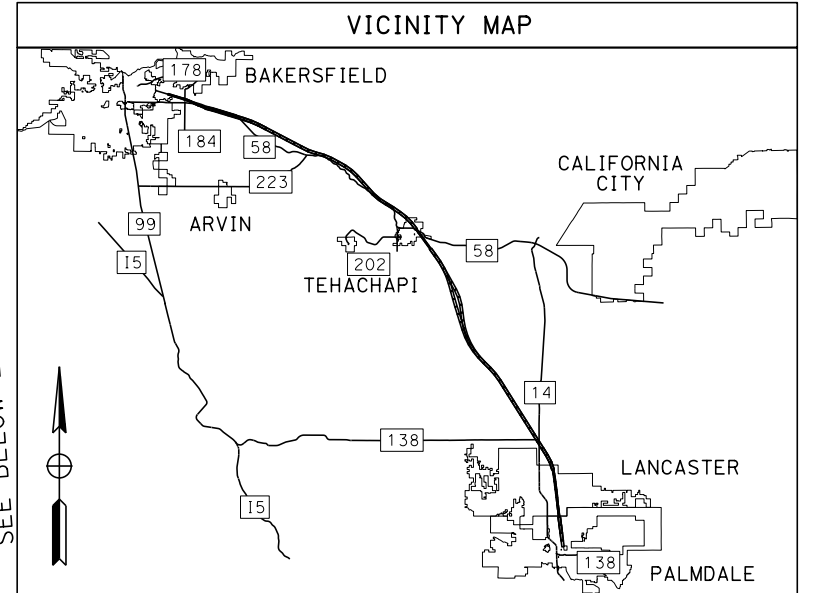
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# ALTERNATIVE 5



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**R. GOLCHOBIAN**

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**Y. WANG**

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**G. CAMPBELL**

DATE  
**01/29/2021**

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

ALTERNATIVE 5  
TRACK AND ROADWAY STRUCTURES  
KEY MAP  
SHEET 2 OF 2

CONTRACT NO.  
HSR13-44

DRAWING NO.  
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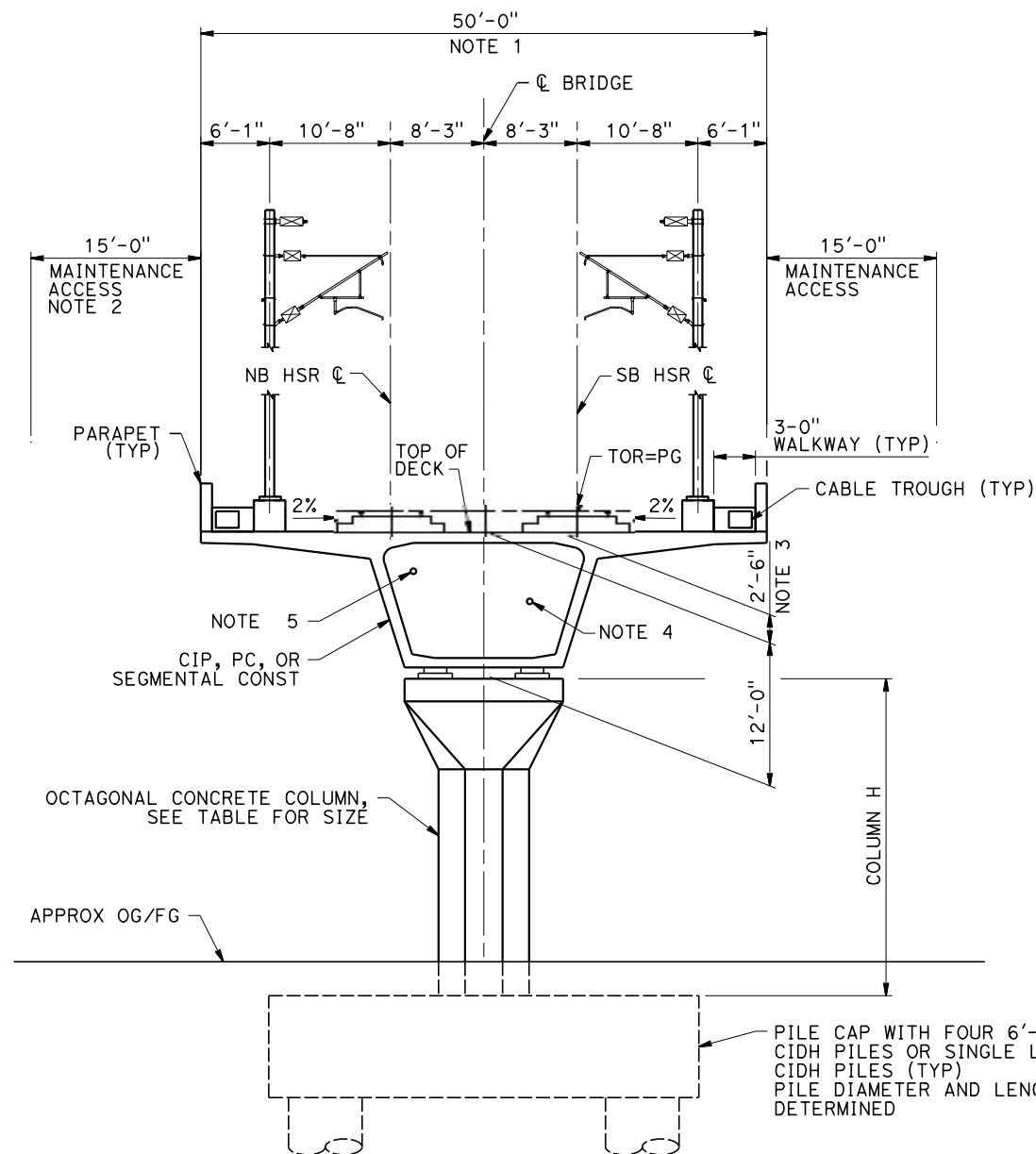
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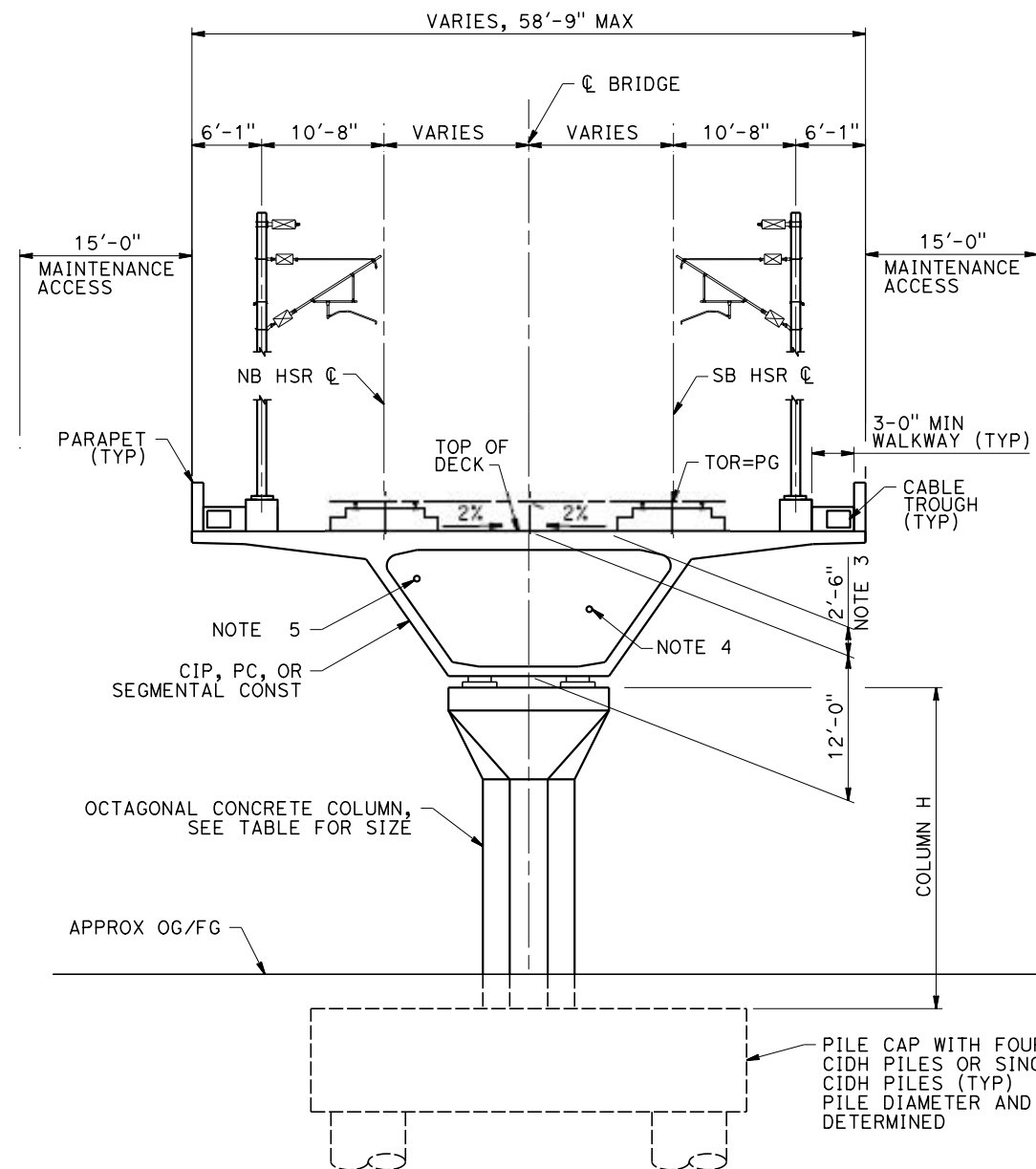
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**SECTION A**

SCALE: 1/2"=1'-0"

STA 17285+00	TO STA 17412+72.05	(ALT 1,3,5)	STA 17285+00	TO STA 17412+52.05	(ALT 2)
STA 17452+00	TO STA 17455+00	(ALT 1,2,3,5)	STA 17452+09	TO STA 17455+09	(ALT 2)
STA 17566+05	TO STA 17567+40	(ALT 1,3,5)	STA 17497+80	TO STA 17530+70	(ALT 2)
STA 20081+30	TO STA 20086+60	(ALT 1,2,3,5)	STA 17565+60	TO STA 17568+60	(ALT 2)
STA 20118+10	TO STA 20133+70	(ALT 1,2,3,5)	STA 17744+35	TO STA 17757+00	(ALT 2)
STA 20278+35	TO STA 20281+35	(ALT 1,2,3,5)	STA 20735+35	TO STA 20761+65	(ALT 5)
STA 20361+73	TO STA 20367+57	(ALT 1,2,3,5)	STA 20934+44.74	TO STA 20935+52.74	(ALT 5)
STA 20462+35	TO STA 20473+00	(ALT 1,2,3,5)			
STA 20496+96	TO STA 20499+36	(ALT 1,2,3,5)			
STA 20558+82	TO STA 20568+62	(ALT 1,2,3,5)			
STA 20619+77	TO STA 20623+77	(ALT 1,2,3,5)			
STA 20641+00	TO STA 20649+80	(ALT 1,2,3,5)			
STA 20682+97	TO STA 20686+37	(ALT 1,2,3,5)			
STA 20735+35	TO STA 20761+65	(ALT 1,2,3)			
STA 20914+80.25	TO STA 20915+85.25	(ALT 1,2,3)			
STA 20934+90.86	TO STA 209935+98.90	(ALT 1,2,3)			



**SECTION B**

SCALE: 1/2"=1'-0"

STA 17787+30	TO STA 17788+70	(ALT 1,3,5)
STA 17841+15	TO STA 17856+15	(ALT 1,3,5)
STA 18076+71	TO STA 18106+61	(ALT 1,2,3,5)
STA 18158+34	TO STA 18160+04	(ALT 1,2,3,5)
STA 18239+45	TO STA 18245+25	(ALT 1,2,3,5)
STA 18463+56	TO STA 18475+16	(ALT 1,2,3,5)
STA 18494+23	TO STA 18497+43	(ALT 1,2,3,5)
STA 18561+10	TO STA 18575+70	(ALT 1,2,3,5)
STA 18700+32	TO STA 18703+52	(ALT 1,2,3,5)
STA 18717+05	TO STA 18746+75	(ALT 1,2,3,5)
STA 18828+25	TO STA 18874+85	(ALT 1,2,3,5)
STA 17842+85	TO STA 17855+65	(ALT 2)

COLUMN SIZE	
COLUMN H	SIZE
0-29'	8'
30-40'	10'
40-60'	12'
60-100'	16'
100-150'	18'
150-220'	20'

**NOTES:**

- 50'-8" AT TEHACHAPI WILLOW SPRINGS ROAD OVERHEAD-5 (ALT 3).
- NOT AVAILABLE ON EDISON HIGHWAY.
- STRUCTURES SHORTER THAN 1000 FEET SUPPORT BALLASTED TRACKS. THE DISTANCE BETWEEN TOP OF RAIL AND TOP OF DECK IN BALLASTED TRACK STRUCTURES WILL BE SLIGHTLY HIGHER AND BETWEEN 2'-6" AND 3'-0".
- PROPOSED 4" CHSR WATERLINE FROM STATION 18035+00 TO 19590+00.
- PROPOSED CHSR ELECTRICAL POWER FROM STATION 18035+00 TO 19590+00.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

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SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

GENERAL  
TYPICAL SECTIONS  
SHEET 1 OF 11

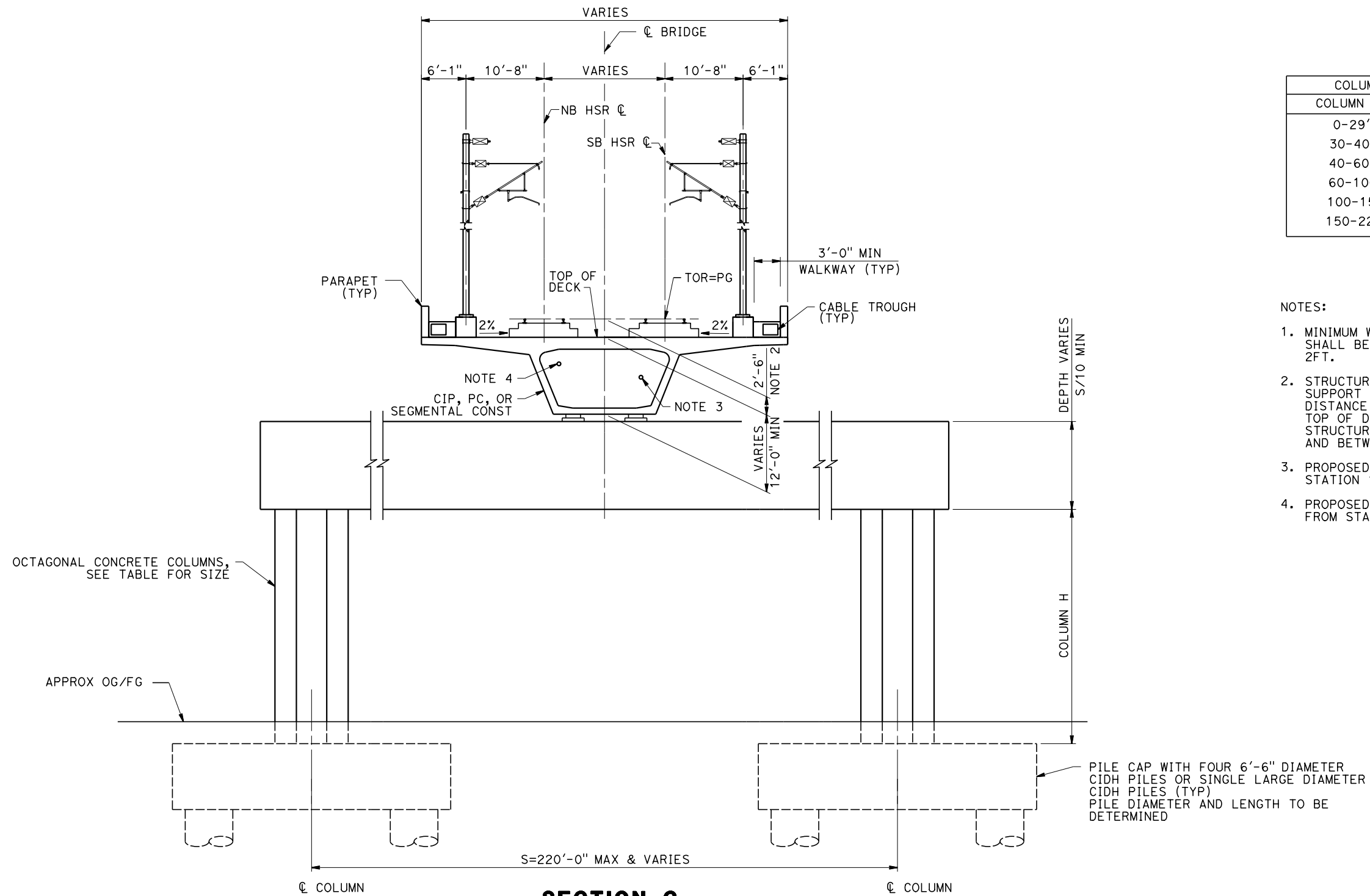
CONTRACT NO.  
HSR13-44  
DRAWING NO.  
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AS SHOWN  
SHEET NO.  
13

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COLUMN SIZE	
COLUMN H	SIZE
0-29'	8'
30-40'	10'
40-60'	12'
60-100'	16'
100-150'	18'
150-220'	20'

- NOTES:
1. MINIMUM WIDTH OF STRADDLE BENT SHALL BE EQUAL TO COLUMN SIZE PLUS 2FT.
  2. STRUCTURES SHORTER THAN 1000 FEET SUPPORT BALLASTED TRACKS. THE DISTANCE BETWEEN TOP OF RAIL AND TOP OF DECK IN BALLASTED TRACK STRUCTURES WILL BE SLIGHTLY HIGHER AND BETWEEN 2'-6" AND 3'-0".
  3. PROPOSED 4" CHSR WATERLINE FROM STATION 18035+00 TO 19590+00.
  4. PROPOSED CHSR ELECTRICAL POWER FROM STATION 18035+00 TO 19590+00.

**SECTION C**  
SCALE: 1 1/2"=1'-0"

STA 17402+02.05 TO STA 17406+42.05	(ALT 1,3,5)
STA 18726+05 TO STA 18734+75	(ALT 1,2,3,5)
STA 18831+85 TO STA 18834+85	(ALT 1,2,3,5)
STA 18868+85 TO STA 18871+75	(ALT 1,2,3,5)
STA 17401+82.05 TO STA 17407+02.05	(ALT 2)
STA 17505+80 TO STA 17525+00	(ALT 2)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

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**Y. WANG**

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**R. BARTON**

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**G. CAMPBELL**

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**01/29/2021**

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

GENERAL  
TYPICAL SECTIONS  
SHEET 2 OF 11

CONTRACT NO.  
HSR13-44

DRAWING NO.  
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SCALE  
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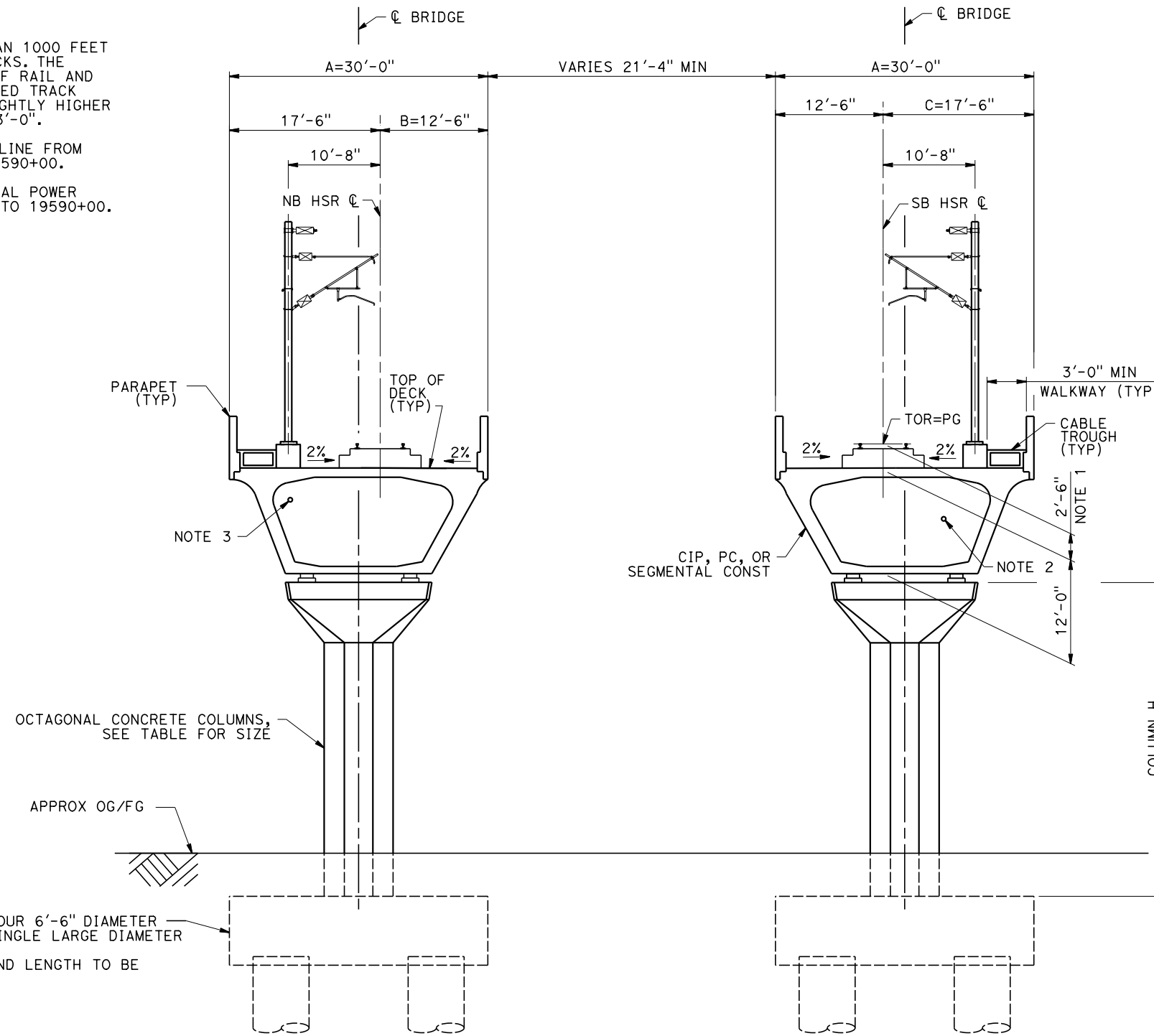
SHEET NO.  
14



NOTES:

- STRUCTURES SHORTER THAN 1000 FEET SUPPORT BALLASTED TRACKS. THE DISTANCE BETWEEN TOP OF RAIL AND TOP OF DECK IN BALLASTED TRACK STRUCTURES WILL BE SLIGHTLY HIGHER AND BETWEEN 2'-6" AND 3'-0".
- PROPOSED 4" CHSR WATERLINE FROM STATION 18035+00 TO 19590+00.
- PROPOSED CHSR ELECTRICAL POWER FROM STATION 18035+00 TO 19590+00.

COLUMN SIZE	
COLUMN H	SIZE
0-29'	8'
30-40'	10'
40-60'	12'
60-100'	16'
100-150'	18'
150-220'	20'



**SECTION D**  
SCALE: 1/2"=1'-0"

STA 19066+32	TO	STA 19068+32	NB (ALT 1,2,3,5)
STA 19066+05	TO	STA 19068+05	SB (ALT 1,2,3,5)
STA 19089+39	TO	STA 19097+55	NB (ALT 1,2,3,5)
STA 19087+82	TO	STA 19097+24	SB (ALT 1,2,3,5)
STA 19112+37	TO	STA 19129+92	NB (ALT 1,2,3,5)
STA 19111+50	TO	STA 19129+60	SB (ALT 1,2,3,5)
STA 19151+15	TO	STA 19157+55	NB (ALT 1,2,3,5)
STA 19150+86	TO	STA 19157+26	SB (ALT 1,2,3,5)
STA 19458+20	TO	STA 19473+80	NB (ALT 1,2,5)
STA 19458+00	TO	STA 19473+50	SB (ALT 1,2,5)
STA 19727+00	TO	STA 19729+40	NB (ALT 1,2,5)
STA 19726+37	TO	STA 19728+77	SB (ALT 1,2,5)
STA 19758+00	TO	STA 19759+40	NB (ALT 1,2,5)
STA 19757+41	TO	STA 19758+81	SB (ALT 1,2,5)
STA 19806+35	TO	STA 19818+85	NB (ALT 1,2,5)
STA 19805+90	TO	STA 19818+40	SB (ALT 1,2,5)
STA 19858+57	TO	STA 19861+57	NB (ALT 1,2,5)
STA 19858+10	TO	STA 19861+10	SB (ALT 1,2,5)
STA 19879+45	TO	STA 19883+75	NB (ALT 1,2,5)
STA 19878+99	TO	STA 19883+39	SB (ALT 1,2,5)
STA 19798+32	TO	STA 19801+52	NB (ALT 3)
STA 19798+13	TO	STA 19801+33	SB (ALT 3)
STA 19809+65	TO	STA 19820+75	NB (ALT 3)
STA 19809+75	TO	STA 19820+85	SB (ALT 3)
STA 19842+70	TO	STA 19845+70	NB (ALT 3)
STA 19842+55	TO	STA 19845+55	SB (ALT 3)
STA 19862+90	TO	STA 19865+90	NB (ALT 3)
STA 19862+80	TO	STA 19865+80	SB (ALT 3)
STA 19871+67	TO	STA 19877+47	NB (ALT 3)
STA 19871+54	TO	STA 19877+34	SB (ALT 3)

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CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

GENERAL  
TYPICAL SECTIONS  
SHEET 3 OF 11

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-B3003

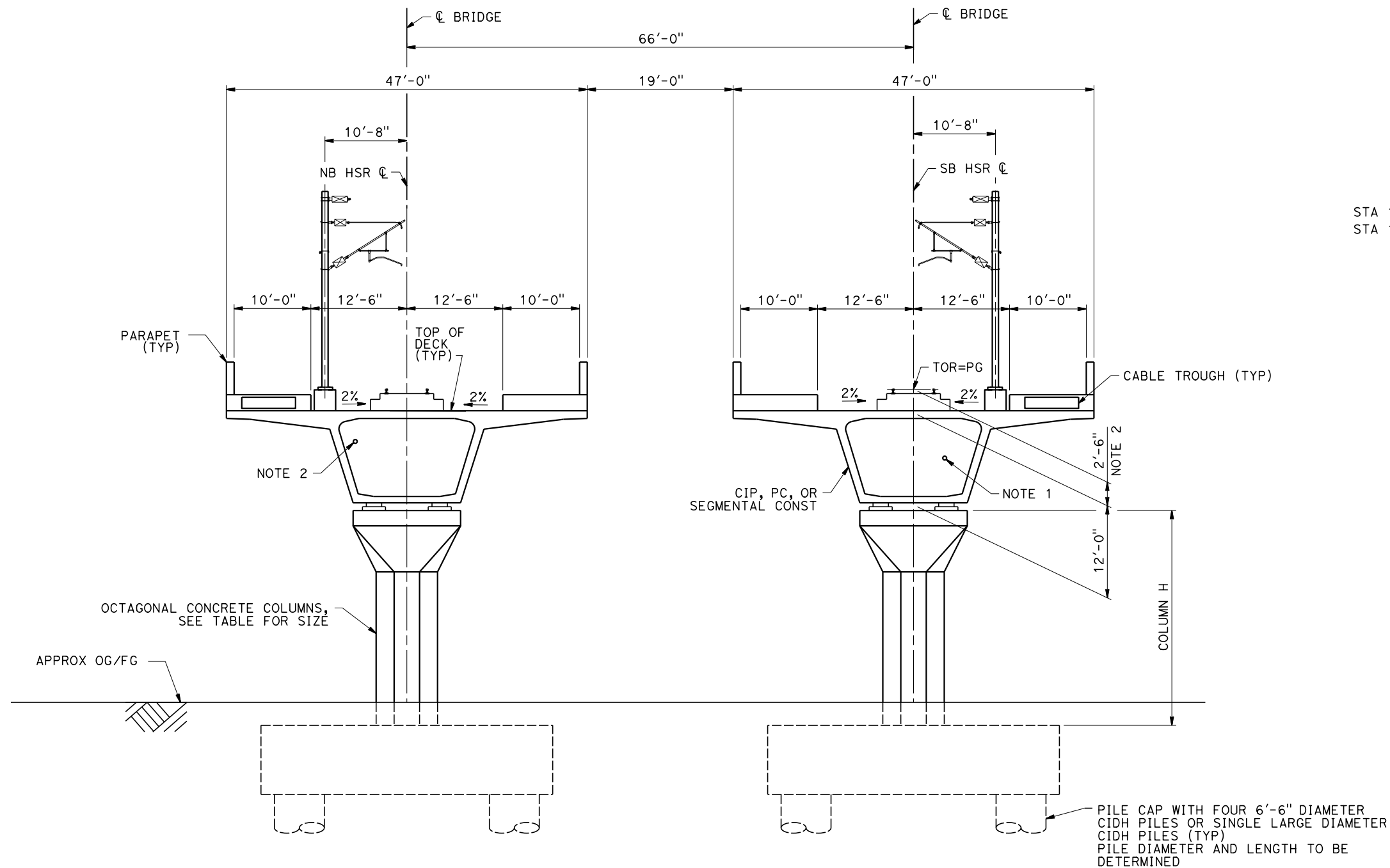
SCALE  
AS SHOWN

SHEET NO.  
15

NOTES:

1. PROPOSED 4" CHSR WATERLINE FROM STATION 18035+00 TO 19590+00.
2. PROPOSED CHSR ELECTRICAL POWER FROM STATION 18035+00 TO 19590+00.

COLUMN SIZE	
COLUMN H	SIZE
0-29'	8'
30-40'	10'
40-60'	12'
60-100'	16'
100-150'	18'
150-220'	20'



STA 19271+95 TO STA 19276+25 NB (ALT 1,2,3,5)  
 STA 19271+45 TO STA 19275+85 SB (ALT 1,2,3,5)

**SECTION DA**

SCALE: 1/2"=1'-0"

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-B3003A

5:06:44 AM

1/20/2021

ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
 DRAWN BY  
**Y. WANG**  
 CHECKED BY  
**R. BARTON**  
 IN CHARGE  
**G. CAMPBELL**  
 DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 GENERAL  
 TYPICAL SECTIONS  
 SHEET 4 OF 11

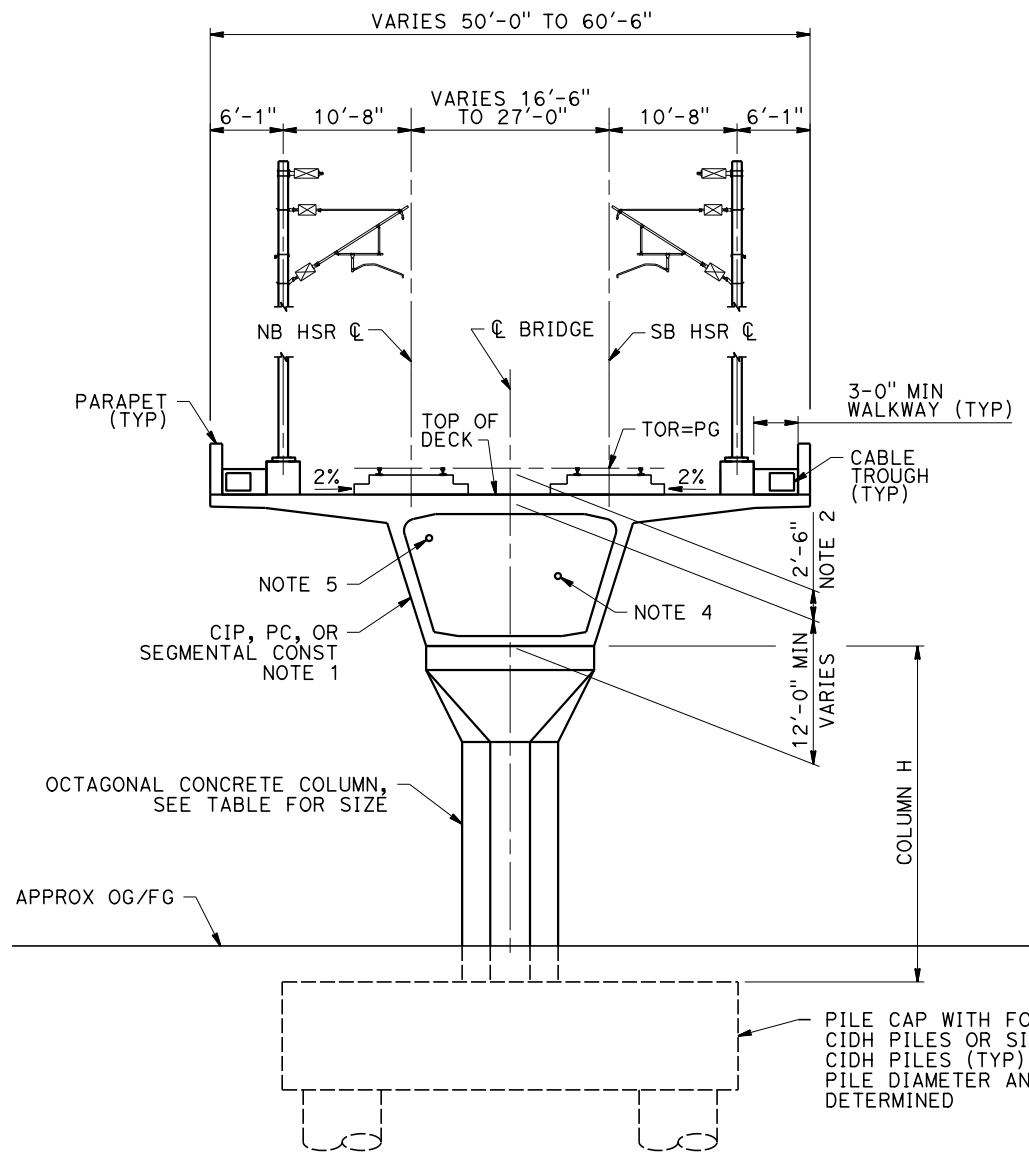
CONTRACT NO.  
HSR13-44  
 DRAWING NO.  
ST-B3003A  
 SCALE  
AS SHOWN  
 SHEET NO.  
16

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1/20/2021

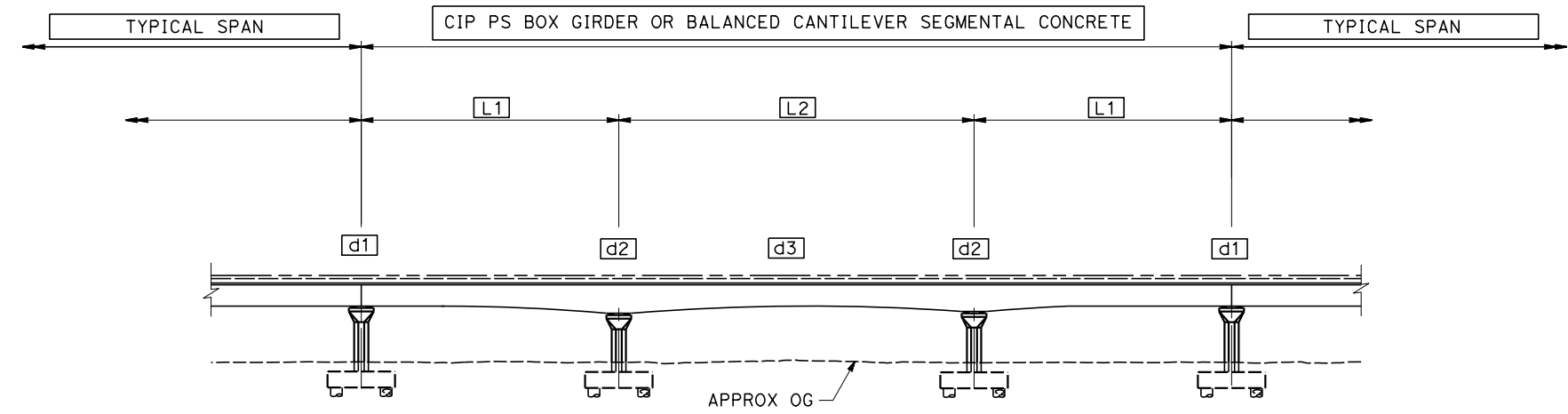
jcs\_user\_17609



COLUMN SIZE	
COLUMN H	SIZE
0-29'	8'
30-40'	10'
40-60'	12'
60-100'	16'
100-150'	18'
150-220'	20'

NOTES:

- GIRDER SIDE SLOPE VARIES DEPENDING ON STRUCTURE DEPTH AT SUPPORT.
- STRUCTURES SHORTER THAN 1000 FEET SUPPORT BALLASTED TRACKS. THE DISTANCE BETWEEN TOP OF RAIL AND TOP OF DECK IN BALLASTED TRACK STRUCTURES WILL BE SLIGHTLY HIGHER AND BETWEEN 2'-6" AND 3'-0".
- WHERE 4-SPAN ARRANGEMENTS ARE SHOWN, THERE ARE 2 CENTER SPANS AND 3 CENTER COLUMNS WITH STRUCTURE DEPTH EQUAL TO d2 ABOVE THE COLUMNS.
- PROPOSED 4" CHSR WATERLINE FROM STATION 18035+00 TO 19590+00.
- PROPOSED CHSR ELECTRICAL POWER FROM STATION 18035+00 TO 19590+00.



**BALANCED CANTILEVER SEGMENTAL**

SCALE: 1/4"=1'-0"

- d1 = 12'-0"
- d2 = L2/12
- d3 = L2/20

**SECTION E**

SCALE: 1/2"=1'-0"

STA 17509+50 TO STA 17512+50 (ALT 1,3,5)	STA 20434+20 TO STA 20437+80 (ALT 1,2,3,5)
STA 17619+92 TO STA 17622+92 (ALT 1,3,5)	STA 20462+35 TO STA 20473+00 (ALT 1,2,3,5)
STA 17674+29 TO STA 17677+29 (ALT 1,3,5)	STA 20558+82 TO STA 20568+62 (ALT 1,2,3,5)
STA 17674+45 TO STA 17677+45 (ALT 1,3,5)	STA 20641+00 TO STA 20649+80 (ALT 1,2,3,5)
STA 17729+75 TO STA 17732+75 (ALT 1,3,5)	STA 17285+00 TO STA 17412+52.05 (ALT 2)
STA 18076+71 TO STA 18106+61 (ALT 1,2,3,5)	STA 17497+80 TO STA 17530+70 (ALT 2)
STA 18463+56 TO STA 18475+16 (ALT 1,2,3,5)	STA 17620+00 TO STA 17624+20 (ALT 2)
STA 18561+10 TO STA 18575+70 (ALT 1,2,3,5)	STA 17730+77 TO STA 17734+97 (ALT 2)
STA 18828+25 TO STA 18874+85 (ALT 1,2,3,5)	STA 17787+86 TO STA 17789+36 (ALT 2)
STA 20007+03 TO STA 20011+88 (ALT 1,2,3,5)	STA 17842+85 TO STA 17855+65 (ALT 2)
STA 20042+95 TO STA 20048+75 (ALT 1,2,3,5)	STA 20004+65 TO STA 20008+90 (ALT 3)
STA 20118+10 TO STA 20133+70 (ALT 1,2,3,5)	STA 20735+35 TO STA 20761+65 (ALT 5)
STA 20246+35 TO STA 20249+95 (ALT 1,2,3,5)	
STA 20264+90 TO STA 20269+60 (ALT 1,2,3,5)	
STA 20309+31 TO STA 20312+91 (ALT 1,2,3,5)	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

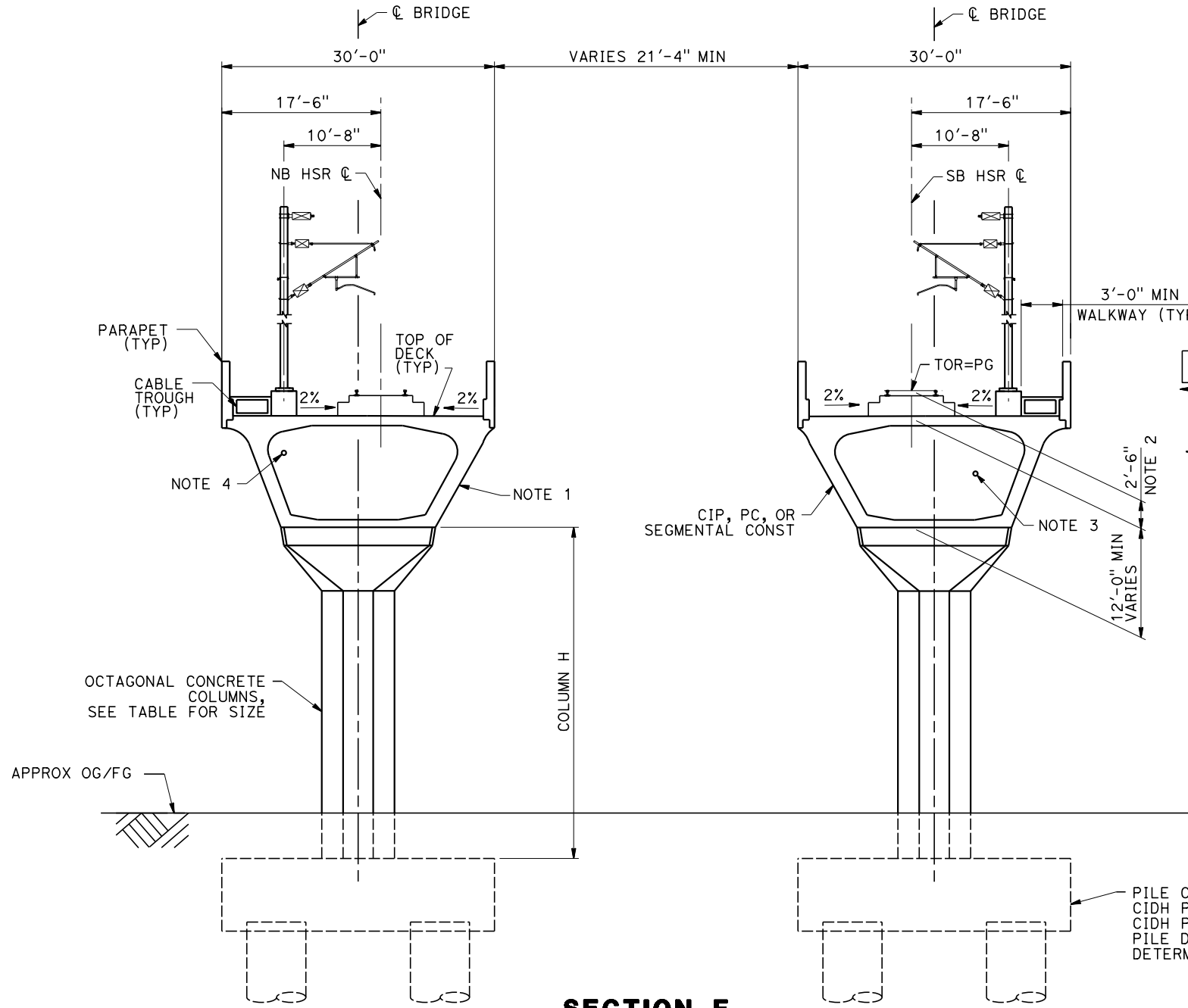
GENERAL  
TYPICAL SECTIONS  
SHEET 5 OF 11

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-B3004  
SCALE  
AS SHOWN  
SHEET NO.  
17

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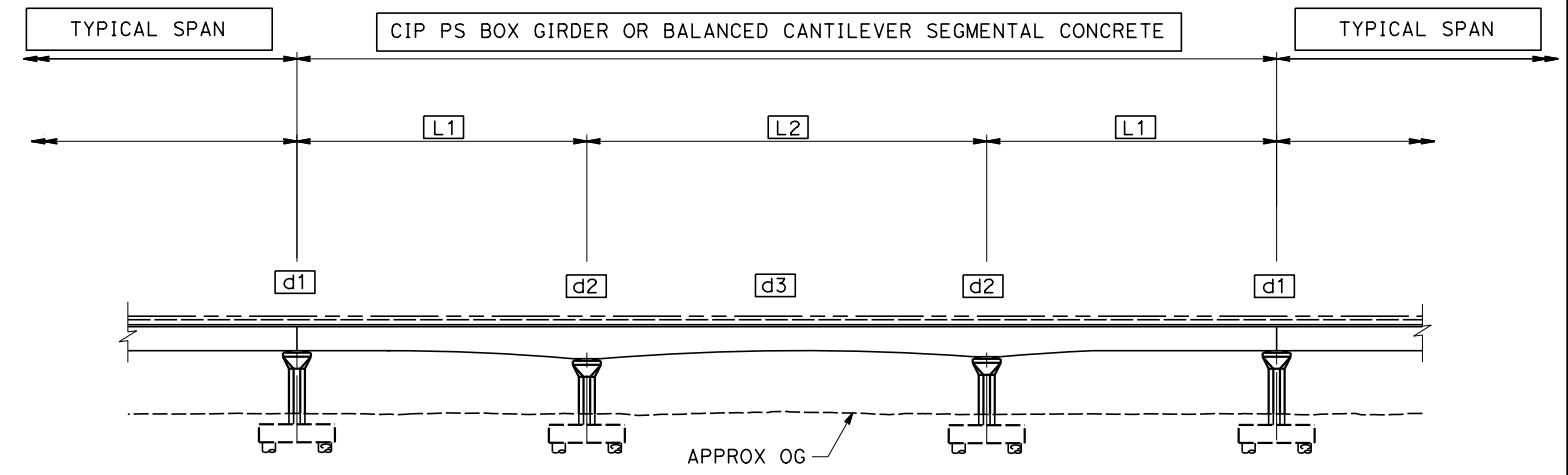
ics\_user\_17609



**SECTION F**  
SCALE: 1/4"=1'-0"

COLUMN SIZE	
COLUMN H	SIZE
0-29'	8'
30-40'	10'
40-60'	12'
60-100'	16'
100-150'	18'
150-220'	20'

- NOTES:
- GIRDER SIDE SLOPE VARIES DEPENDING ON STRUCTURE DEPTH AT SUPPORT.
  - STRUCTURES SHORTER THAN 1000 FEET SUPPORT BALLASTED TRACKS. THE DISTANCE BETWEEN TOP OF RAIL AND TOP OF DECK IN BALLASTED TRACK STRUCTURES WILL BE SLIGHTLY HIGHER AND BETWEEN 2'-6" AND 3'-0".
  - PROPOSED 4" CHSR WATERLINE FROM STATION 18035+00 TO 19590+00.
  - PROPOSED CHSR ELECTRICAL POWER FROM STATION 18035+00 TO 19590+00.



**BALANCED CANTILEVER SEGMENTAL**  
SCALE: 1/4"=1'-0"

- d1 = 12'-0"
- d2 = L2/12
- d3 = L2/20

PILE CAP WITH FOUR 6'-6" DIAMETER CIDH PILES OR SINGLE LARGE DIAMETER CIDH PILES (TYP)  
PILE DIAMETER AND LENGTH TO BE DETERMINED

STA 19089+39 TO STA 19097+55 NB (ALT 1,2,3,5)	STA 19793+93 TO STA 19797+53 NB (ALT 1,2,5)
STA 19087+82 TO STA 19097+24 SB (ALT 1,2,3,5)	STA 19793+39 TO STA 19796+99 SB (ALT 1,2,5)
STA 19112+37 TO STA 19129+92 NB (ALT 1,2,3,5)	STA 19806+35 TO STA 19818+85 NB (ALT 1,2,5)
STA 19111+50 TO STA 19129+60 SB (ALT 1,2,3,5)	STA 19805+90 TO STA 19818+40 SB (ALT 1,2,5)
STA 19151+15 TO STA 19157+55 NB (ALT 1,2,3,5)	STA 19453+40 TO STA 19456+80 NB (ALT 3)
STA 19150+86 TO STA 19157+26 SB (ALT 1,2,3,5)	STA 19452+65 TO STA 19456+05 SB (ALT 3)
STA 19458+20 TO STA 19473+80 NB (ALT 1,2,5)	STA 19785+50 TO STA 19789+10 NB (ALT 3)
STA 19458+00 TO STA 19473+50 SB (ALT 1,2,5)	STA 19785+30 TO STA 19788+90 SB (ALT 3)
STA 19670+80 TO STA 19674+50 NB (ALT 1,2,5)	STA 19809+65 TO STA 19820+75 NB (ALT 3)
STA 19669+54 TO STA 19673+24 SB (ALT 1,2,5)	STA 19809+75 TO STA 19820+65 SB (ALT 3)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

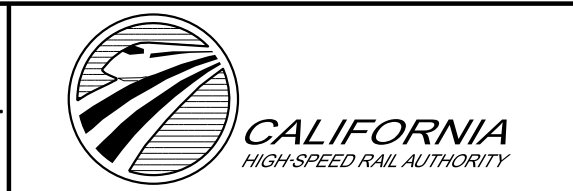
CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR CONSTRUCTION**



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

GENERAL  
TYPICAL SECTIONS  
SHEET 6 OF 11

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-B3005

SCALE  
AS SHOWN

SHEET NO.  
18

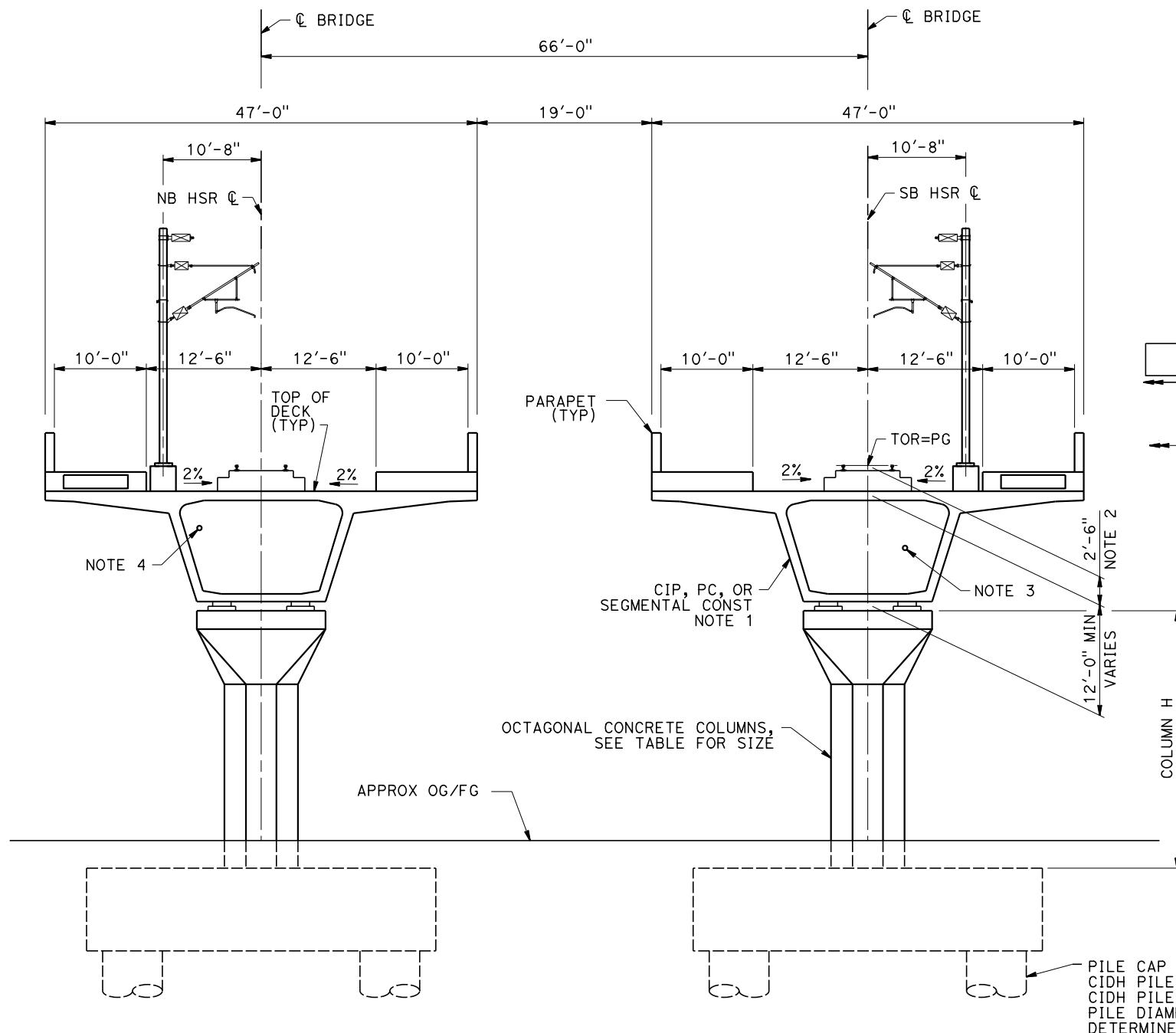


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1/20/2021

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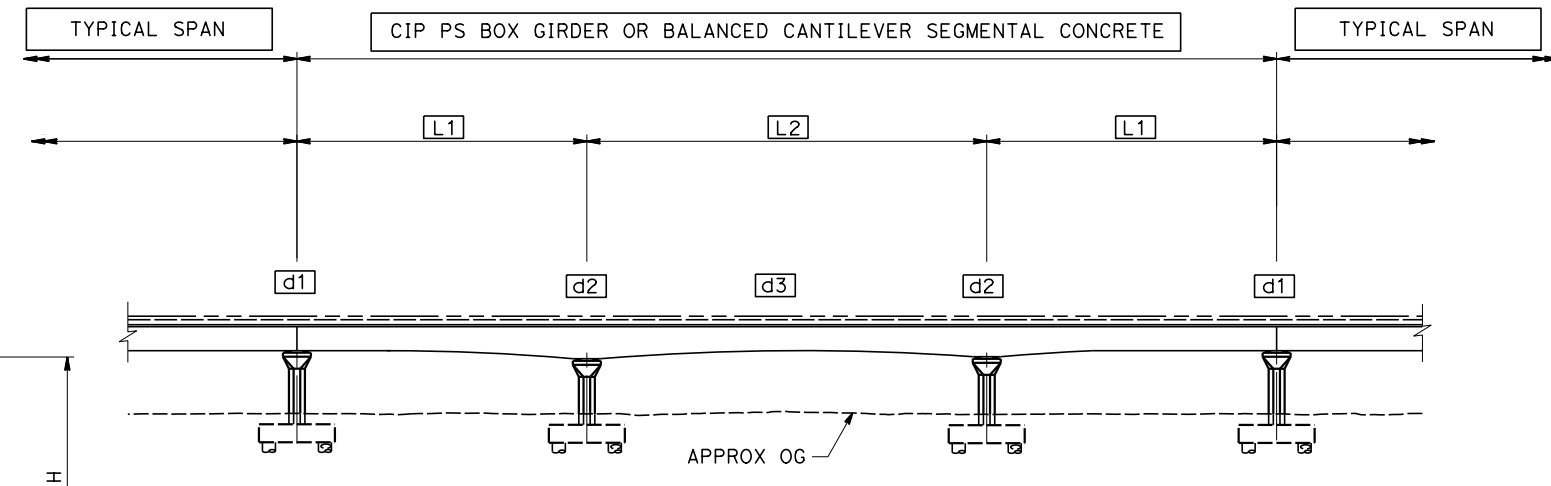


**SECTION FA**  
SCALE: 1/4"=1'-0"

STA 19466+10 TO STA 19471+05 NB (ALT 3)  
STA 19465+95 TO STA 19470+80 SB (ALT 3)

COLUMN SIZE	
COLUMN H	SIZE
0-29'	8'
30-40'	10'
40-60'	12'
60-100'	16'
100-150'	18'
150-220'	20'

- NOTES:
- GIRDER SIDE SLOPE VARIES DEPENDING ON STRUCTURE DEPTH AT SUPPORT.
  - STRUCTURES SHORTER THAN 1000 FEET SUPPORT BALLASTED TRACKS. THE DISTANCE BETWEEN TOP OF RAIL AND TOP OF DECK IN BALLASTED TRACK STRUCTURES WILL BE SLIGHTLY HIGHER AND BETWEEN 2'-6" AND 3'-0".
  - PROPOSED 4" CHSR WATERLINE FROM STATION 18035+00 TO 19590+00.
  - PROPOSED CHSR ELECTRICAL POWER FROM STATION 18035+00 TO 19590+00.



**BALANCED CANTILEVER SEGMENTAL**  
SCALE: 1/4"=1'-0"

d1 = 12'-0"  
d2 = L2/12  
d3 = L2/20

PILE CAP WITH FOUR 6'-6" DIAMETER CIDH PILES OR SINGLE LARGE DIAMETER CIDH PILES (TYP)  
PILE DIAMETER AND LENGTH TO BE DETERMINED

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
GENERAL  
TYPICAL SECTIONS  
SHEET 7 OF 11

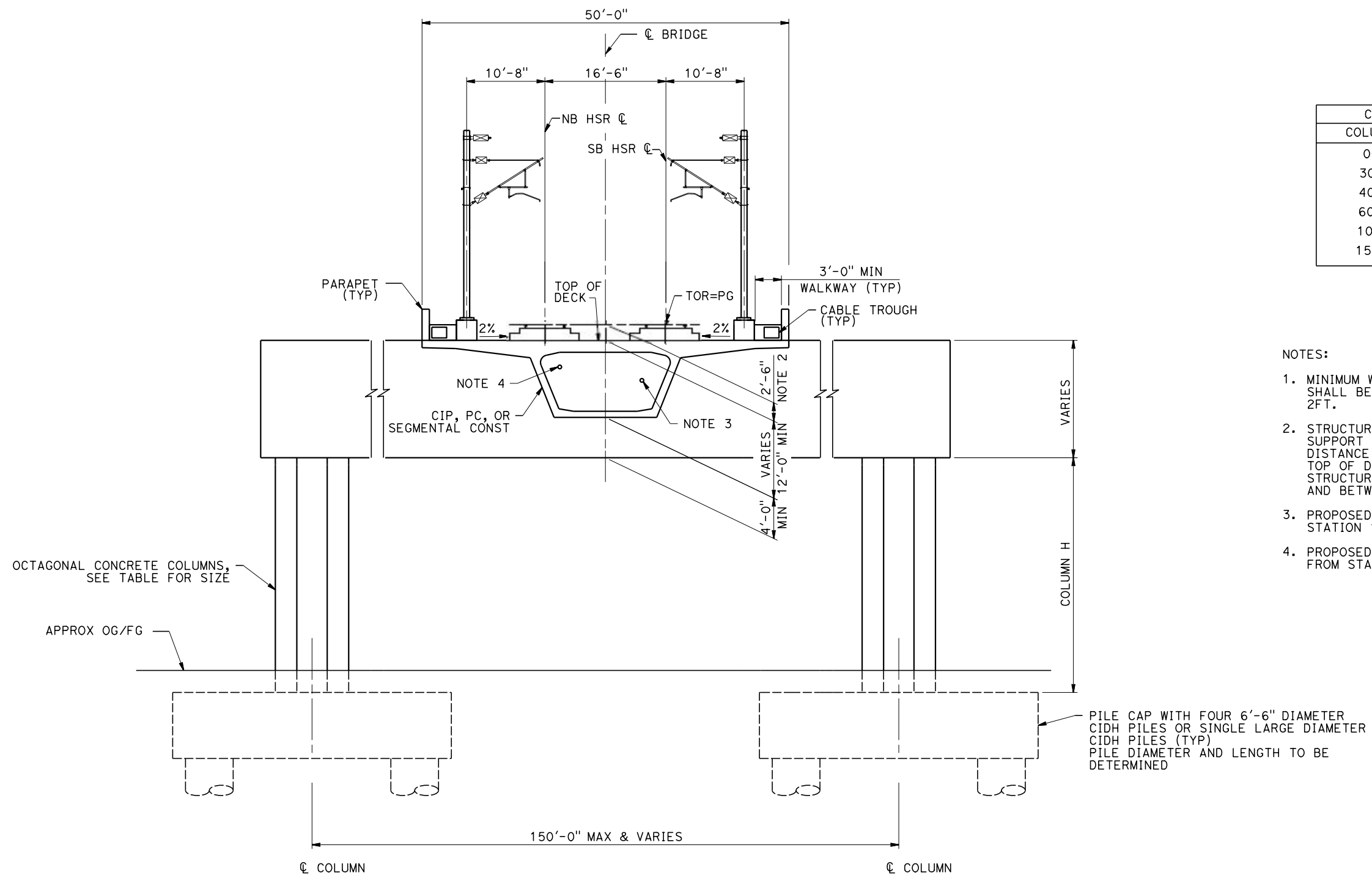
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HSR13-44  
DRAWING NO.  
ST-B3005A  
SCALE  
AS SHOWN  
SHEET NO.  
19

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1/20/2021

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COLUMN SIZE	
COLUMN H	SIZE
0-29'	8'
30-40'	10'
40-60'	12'
60-100'	16'
100-150'	18'
150-220'	20'

- NOTES:
1. MINIMUM WIDTH OF STRADDLE BENT SHALL BE EQUAL TO COLUMN SIZE PLUS 2FT.
  2. STRUCTURES SHORTER THAN 1000 FEET SUPPORT BALLASTED TRACKS. THE DISTANCE BETWEEN TOP OF RAIL AND TOP OF DECK IN BALLASTED TRACK STRUCTURES WILL BE SLIGHTLY HIGHER AND BETWEEN 2'-6" AND 3'-0".
  3. PROPOSED 4" CHSR WATERLINE FROM STATION 18035+00 TO 19590+00.
  4. PROPOSED CHSR ELECTRICAL POWER FROM STATION 18035+00 TO 19590+00.

**SECTION G**

SCALE: 1 1/2"=1'-0"

STA 17748+80 TO STA 17753+60 (ALT 2)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

GENERAL  
TYPICAL SECTIONS  
SHEET 8 OF 11

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-B3006  
SCALE  
AS SHOWN  
SHEET NO.  
20

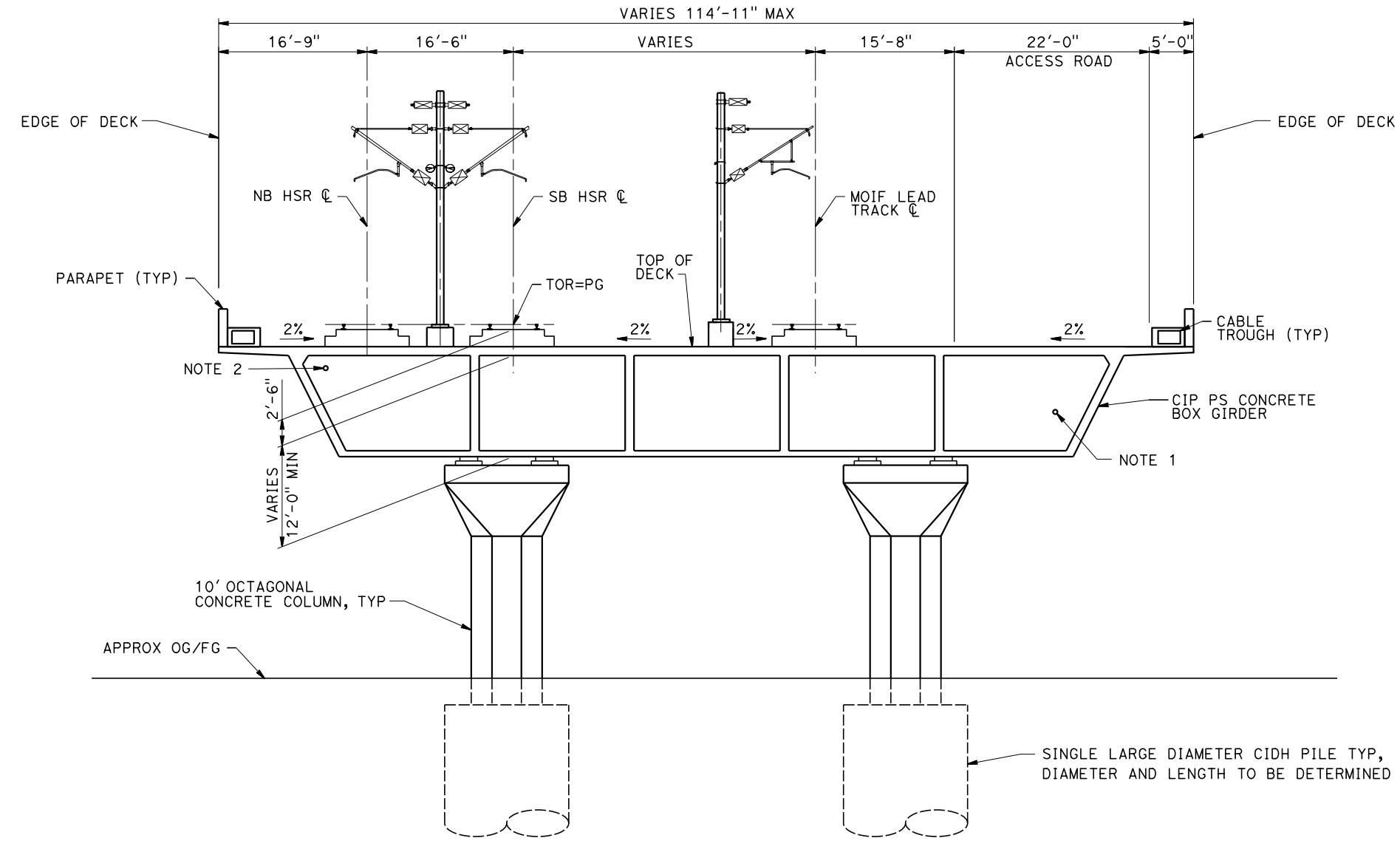


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1/20/2021

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- NOTES:
1. PROPOSED 4" CHSR WATERLINE FROM STATION 18035+00 TO 19590+00.
  2. PROPOSED CHSR ELECTRICAL POWER FROM STATION 18035+00 TO 19590+00.

**SECTION I**  
SCALE: 1/2"=1'-0"

STA 17675+79 TO STA 17679+49 (ALT 2)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

GENERAL  
TYPICAL SECTIONS  
SHEET 9 OF 11

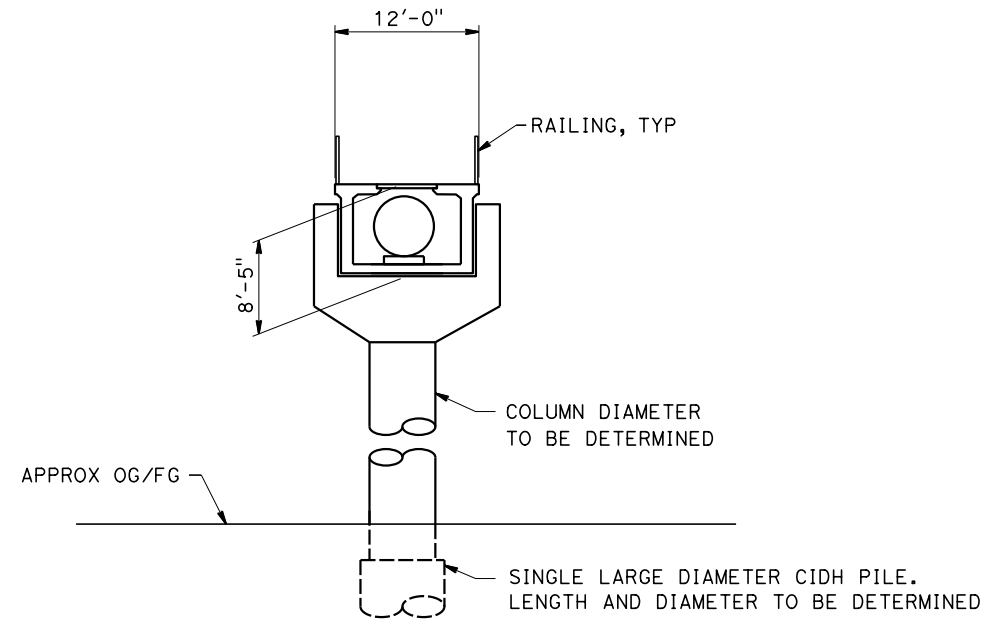
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21

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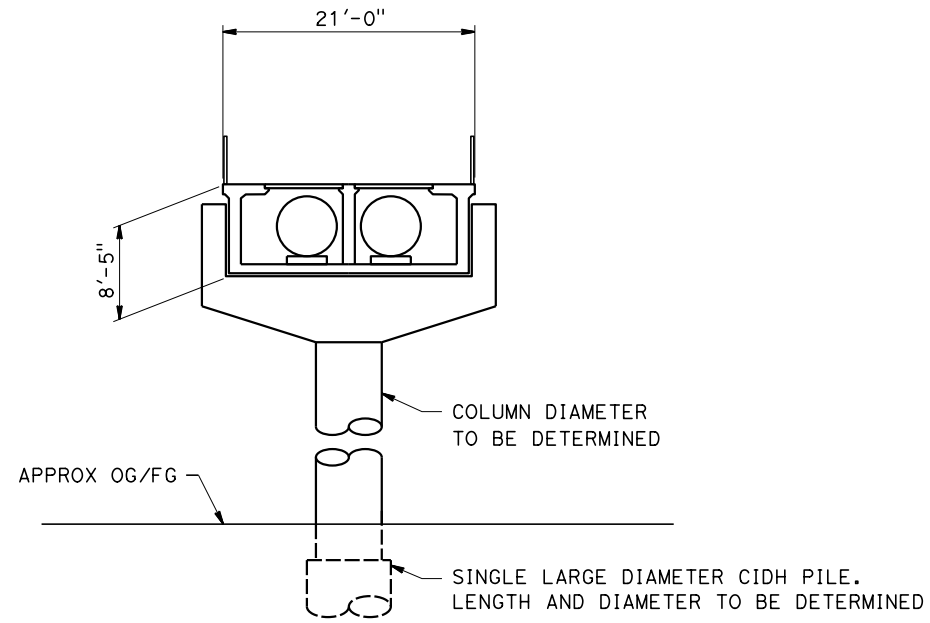
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jcs\_user\_17609



**SECTION J**  
SCALE: 1 1/2"=1'-0"



**SECTION K**  
SCALE: 1 1/2"=1'-0"

**ELEVATED UTILITY CROSSINGS**

NOTE:  
FOR LOCATIONS OF CROSSINGS  
SEE GRADING AND DRAINAGE SHEETS.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

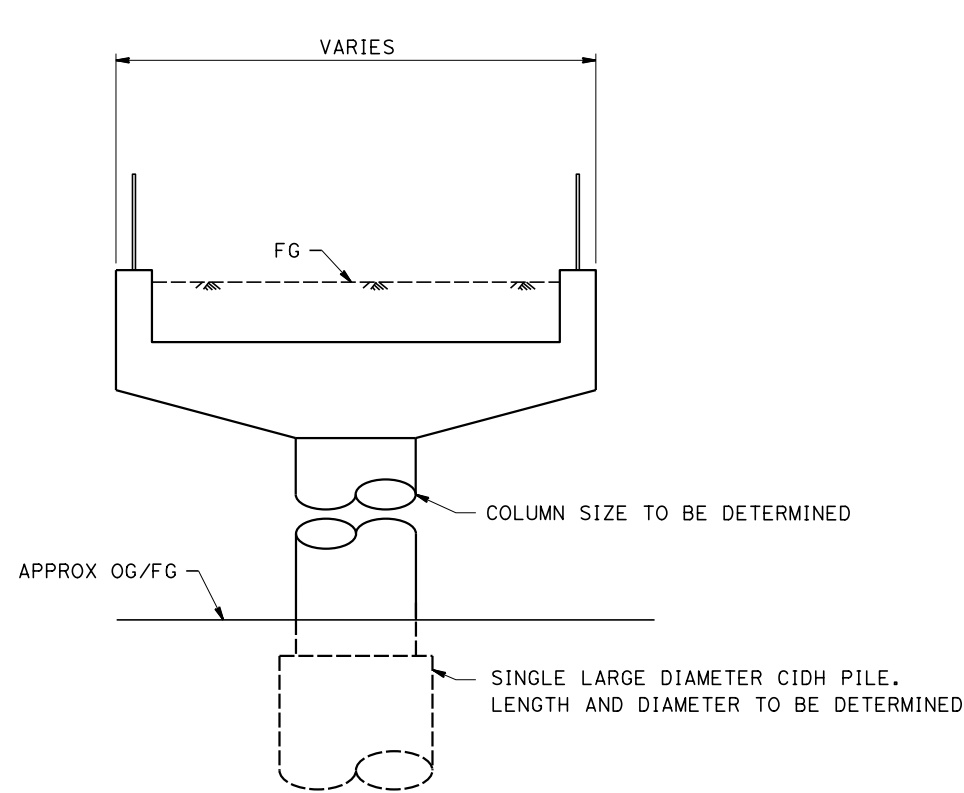


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

GENERAL  
TYPICAL SECTIONS  
SHEET 10 OF 11

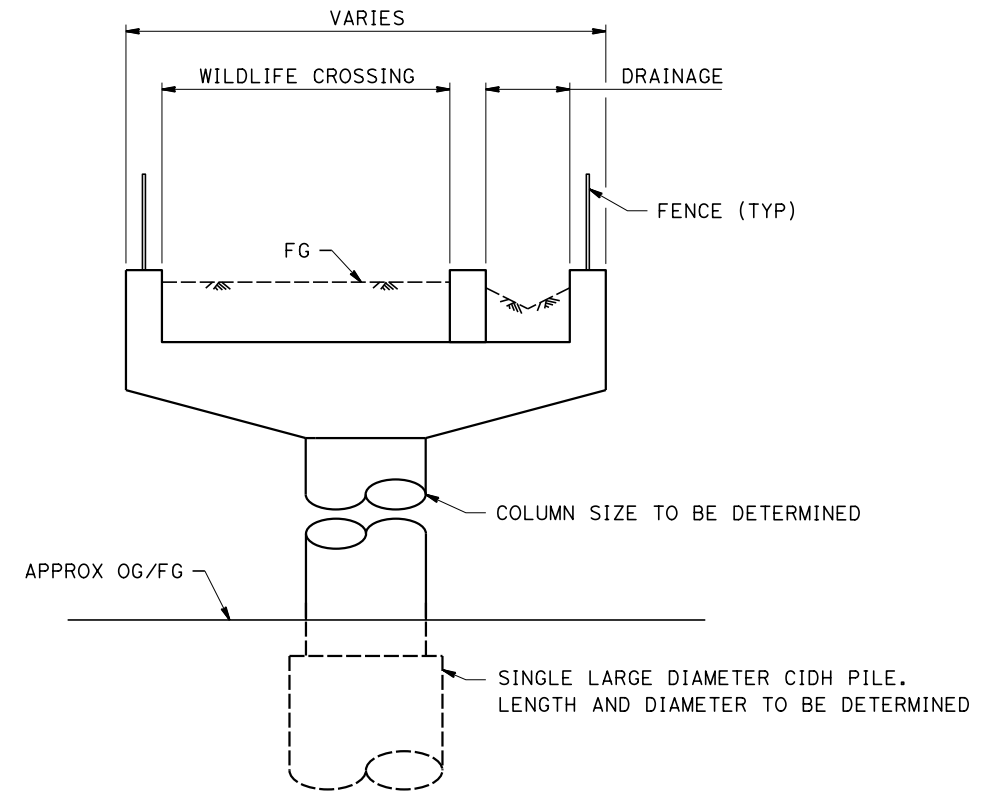
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HSR13-44  
DRAWING NO.  
ST-B3009  
SCALE  
AS SHOWN  
SHEET NO.  
22





**SECTION L**

SCALE: 1/2"=1'-0"



**SECTION M**

SCALE: 1/2"=1'-0"

**ELEVATED WILDLIFE CROSSINGS**

**NOTE:**

FOR LOCATIONS OF CROSSINGS  
SEE "GRADING AND DRAINAGE" SHEETS.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>R. GOLCHOBIAN</b>
DRAWN BY <b>Y. WANG</b>
CHECKED BY <b>R. BARTON</b>
IN CHARGE <b>G. CAMPBELL</b>
DATE <b>01/29/2021</b>

**RECORD SET  
PEPD  
SUBMITTAL**

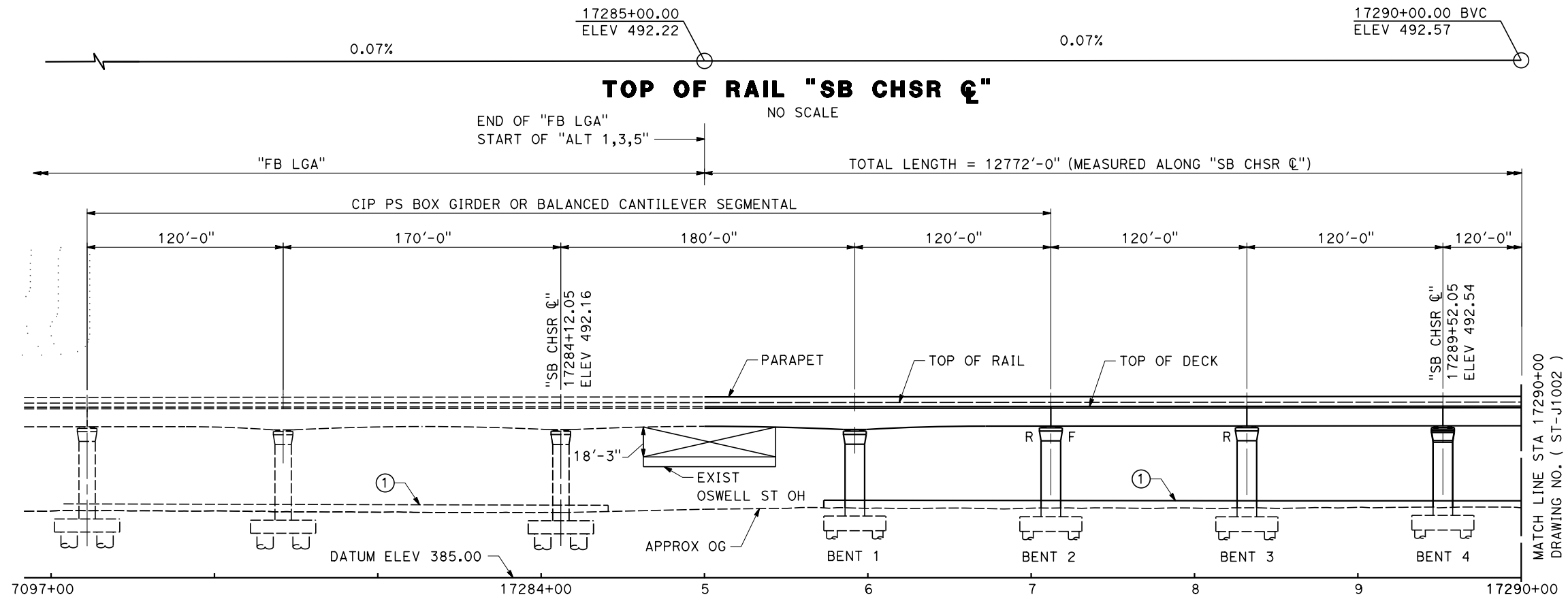
**NOT FOR  
CONSTRUCTION**



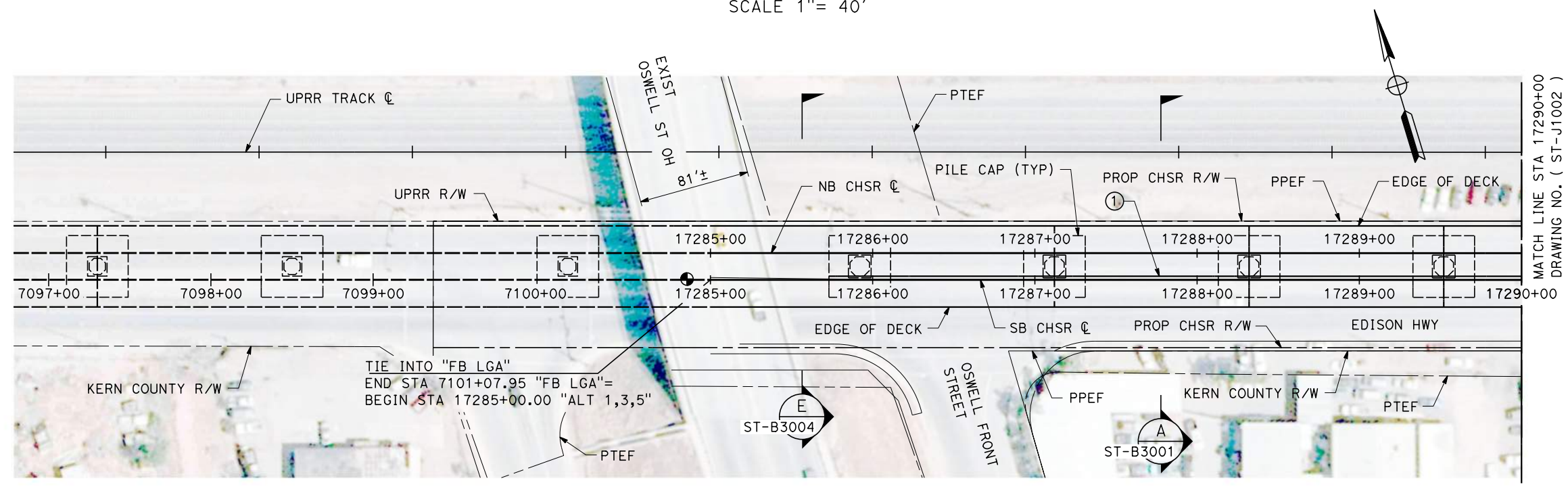
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

GENERAL  
TYPICAL SECTIONS  
SHEET 11 OF 11

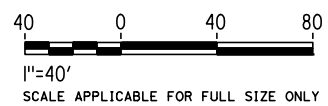
CONTRACT NO. <b>HSR13-44</b>
DRAWING NO. <b>ST-B3010</b>
SCALE <b>AS SHOWN</b>
SHEET NO. <b>23</b>



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



MATCH LINE STA 17290+00  
DRAWING NO. ( ST-J1002 )

MATCH LINE STA 17290+00  
DRAWING NO. ( ST-J1002 )

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1001

3:12:08 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

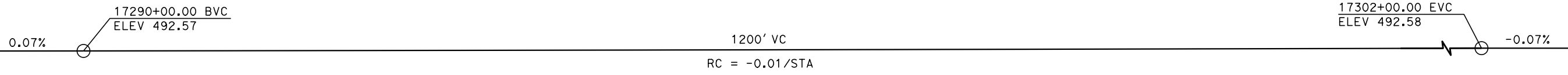
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HSR 13-44

DRAWING NO.  
ST-J1001

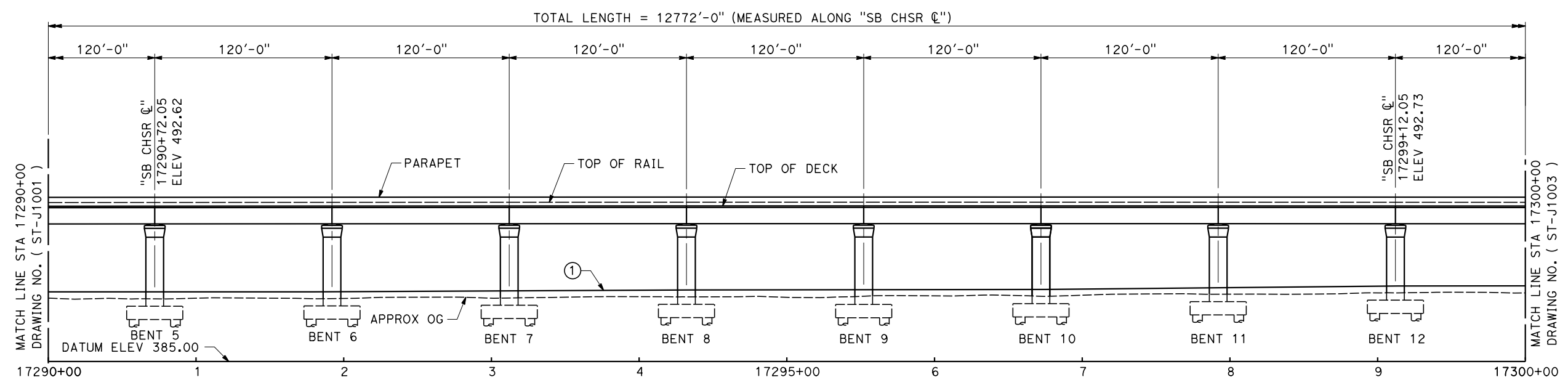
SCALE  
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SHEET NO.  
24

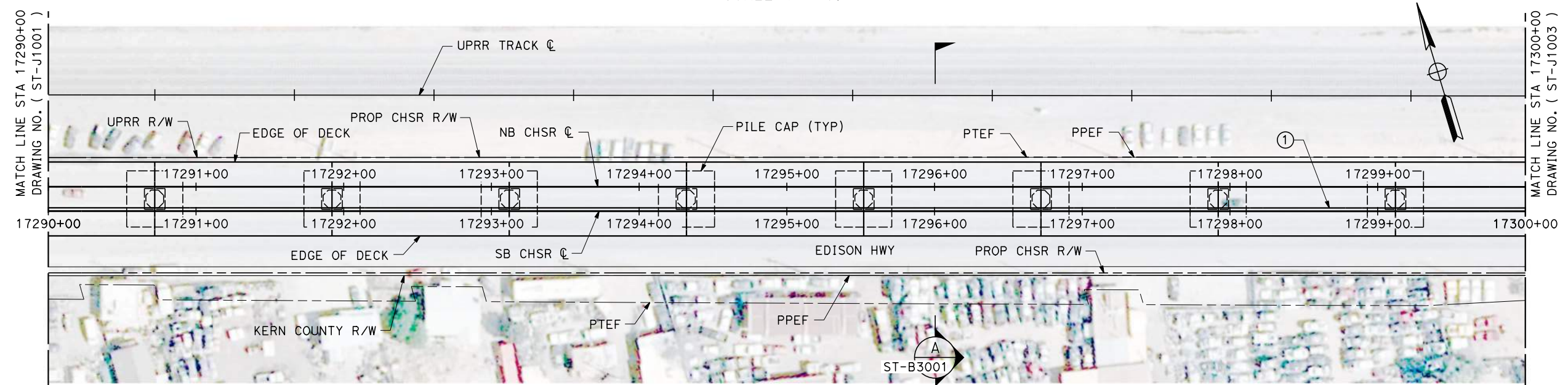




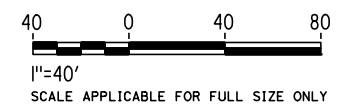
**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1002  
3:13:15 AM  
1/21/2021  
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

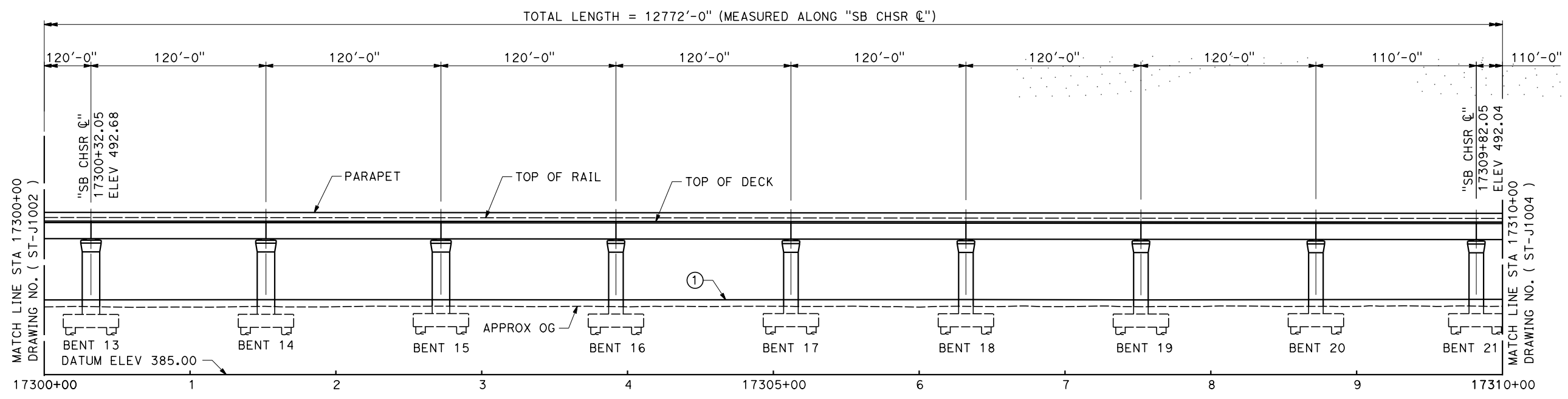


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

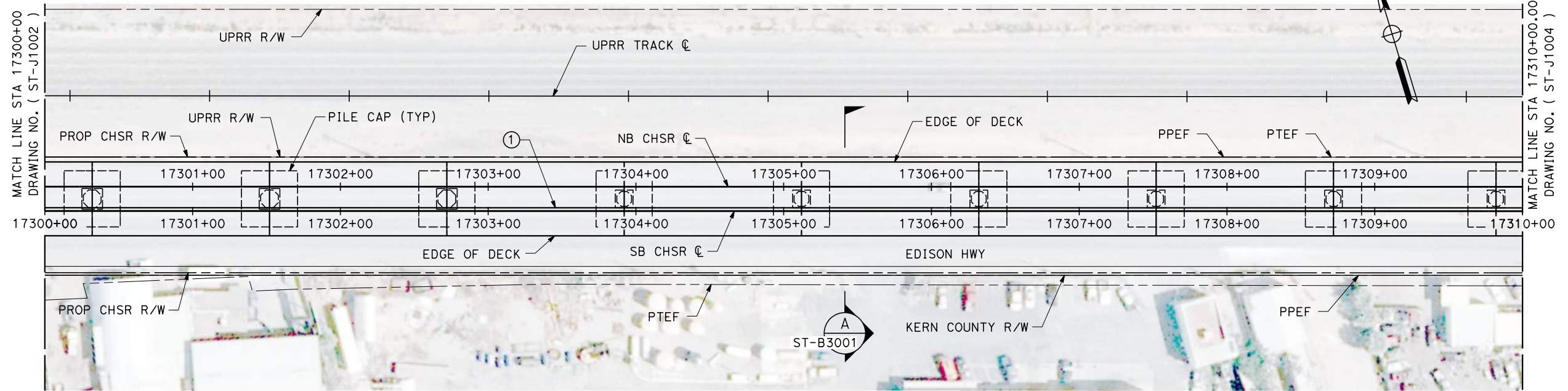
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DRAWING NO.  
ST-J1002  
SCALE  
AS SHOWN  
SHEET NO.  
25



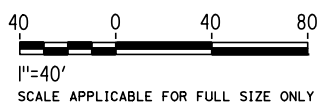
**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1003  
3:11:38 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

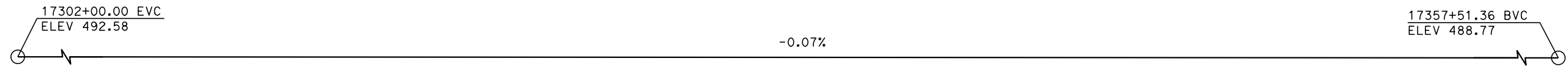
**NOT FOR**  
**CONSTRUCTION**



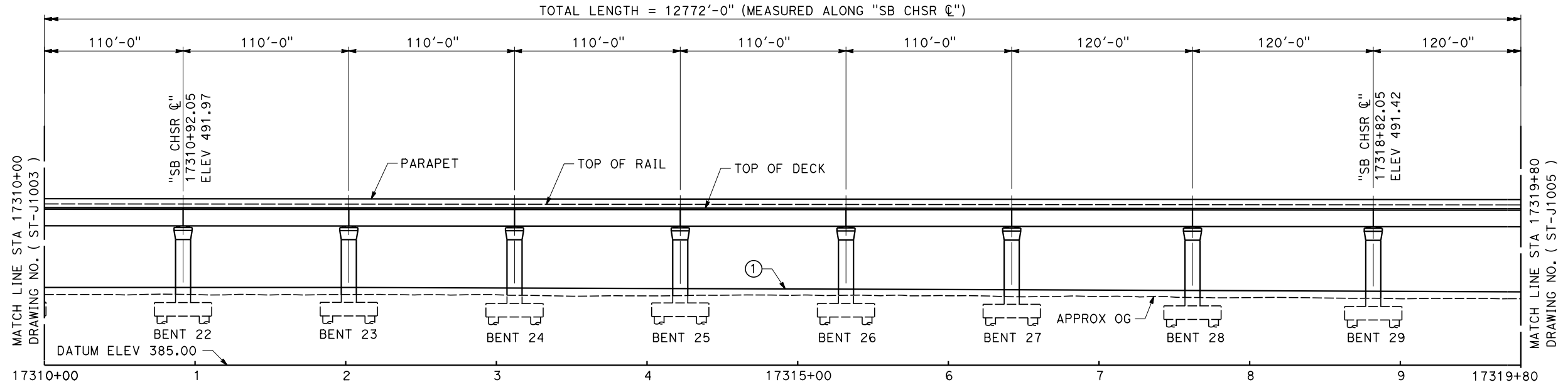
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1003  
SCALE  
AS SHOWN  
SHEET NO.  
26

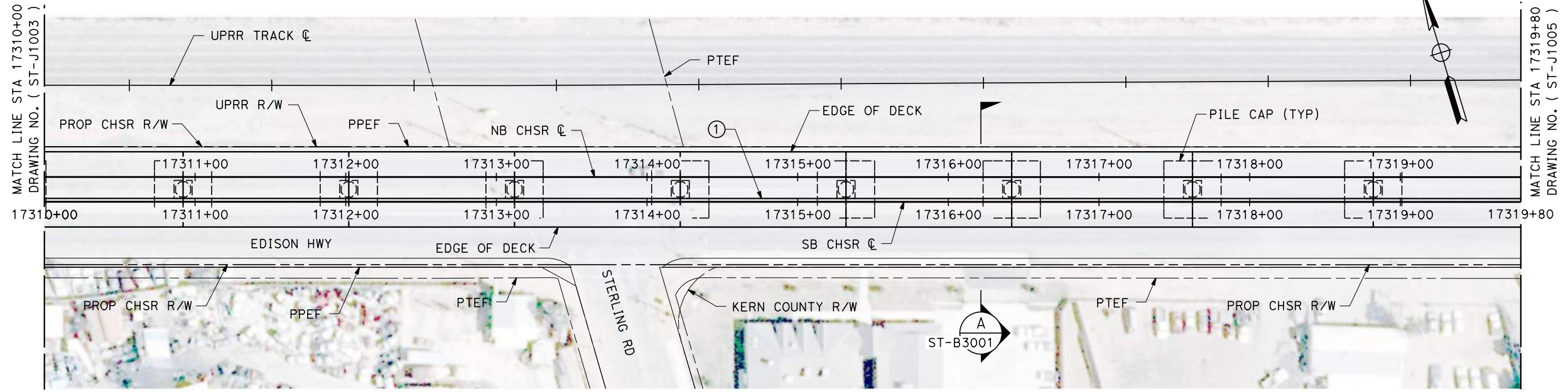




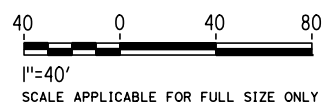
**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1004  
3:13:16 AM  
1/21/2021  
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

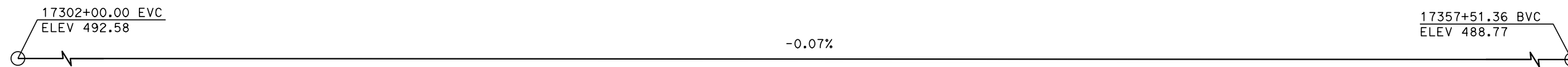
**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00' TO 17412+72.05  
PLAN AND ELEVATION

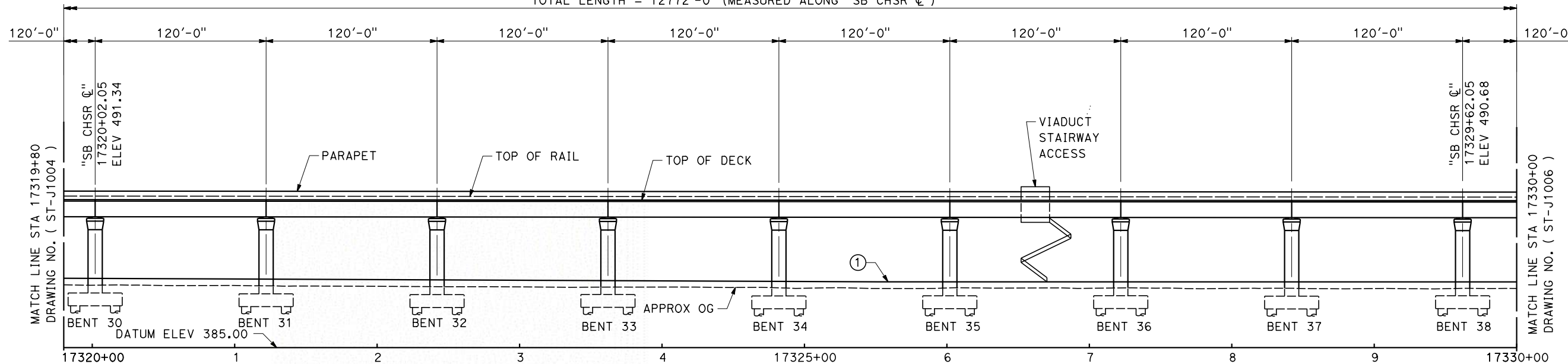
CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1004  
SCALE  
AS SHOWN  
SHEET NO.  
27



**TOP OF RAIL "SB CHSR C"**

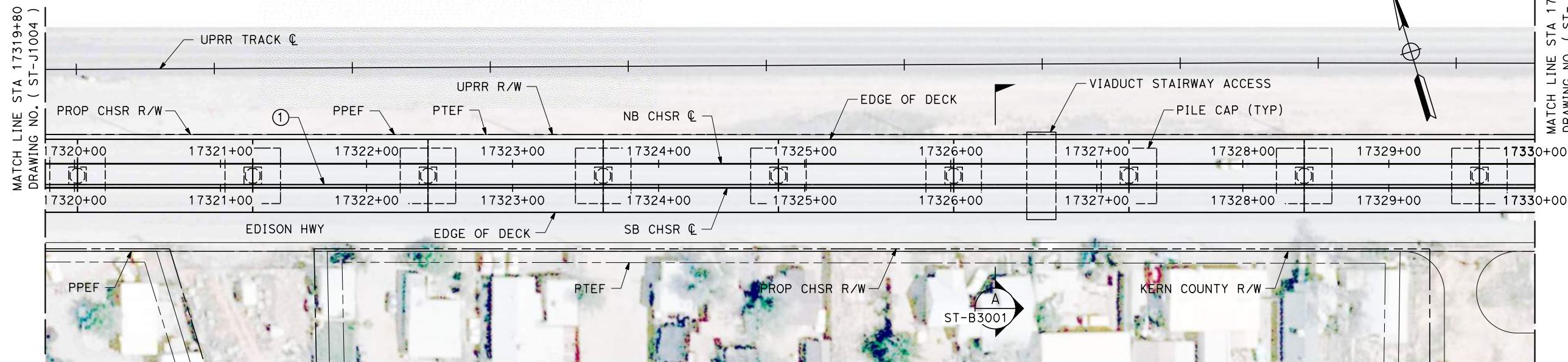
NO SCALE

TOTAL LENGTH = 12772'-0" (MEASURED ALONG "SB CHSR C")



**ELEVATION**

SCALE 1"= 40'



**PLAN**

SCALE 1"= 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

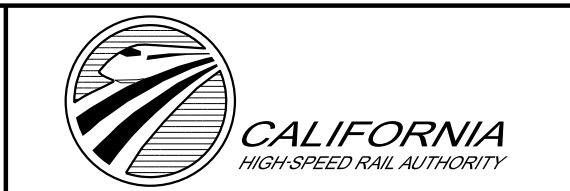
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

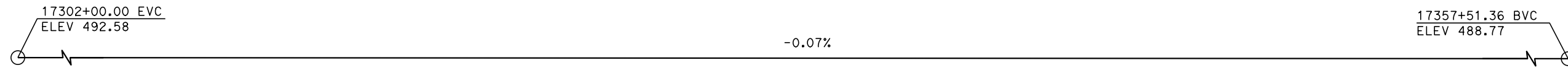
**NOT FOR  
CONSTRUCTION**



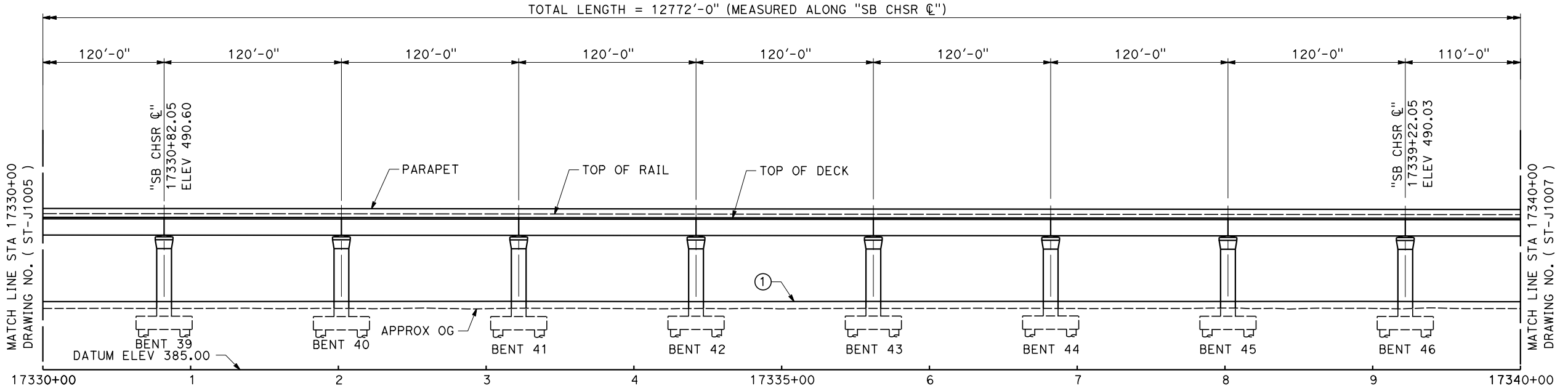
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1005  
SCALE  
AS SHOWN  
SHEET NO.  
28

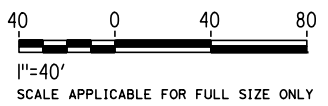
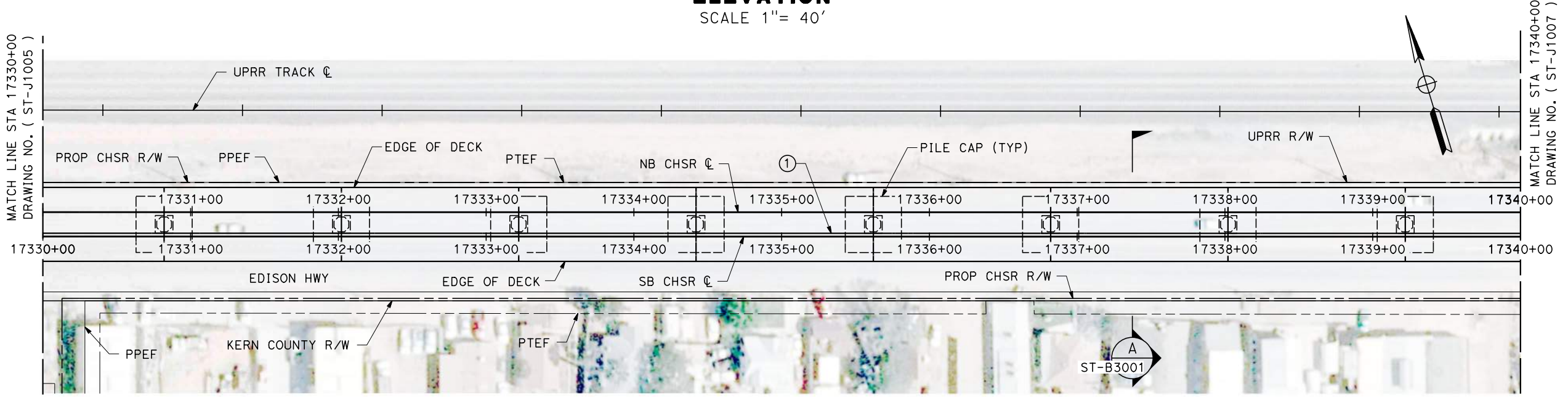




**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1006  
1/21/2021 3:13:37 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

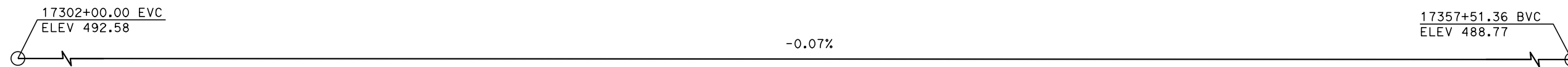
DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

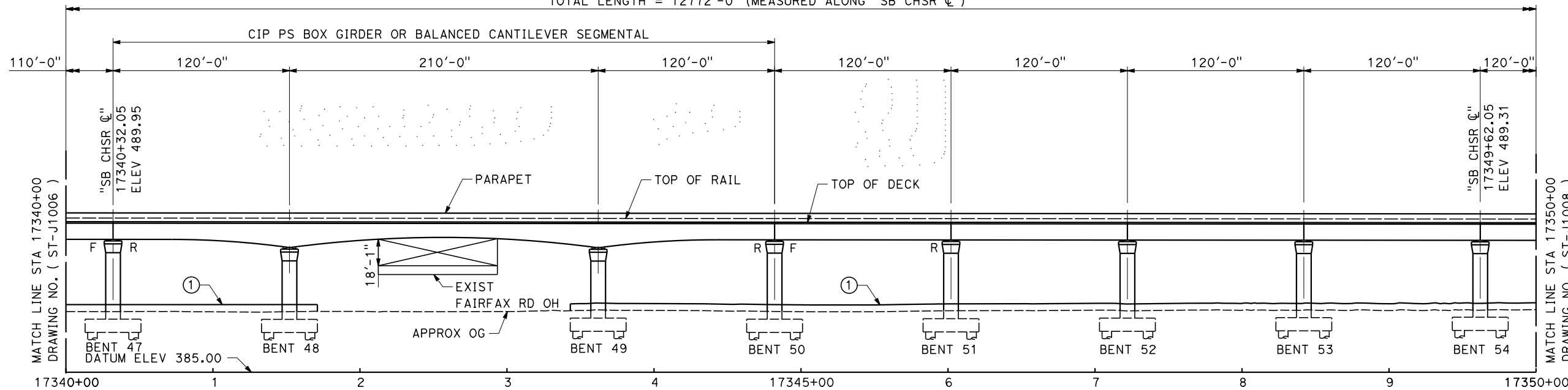
CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1006  
SCALE  
AS SHOWN  
SHEET NO.  
29



**TOP OF RAIL "SB CHSR C"**

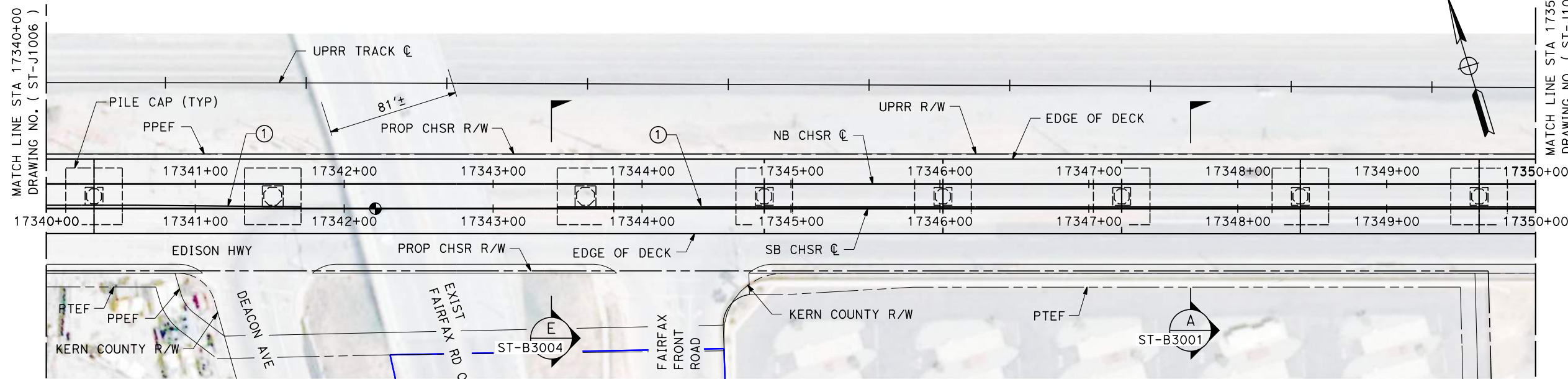
NO SCALE

TOTAL LENGTH = 12772'-0" (MEASURED ALONG "SB CHSR C")



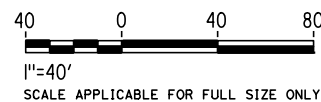
**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1007

3:14:00 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

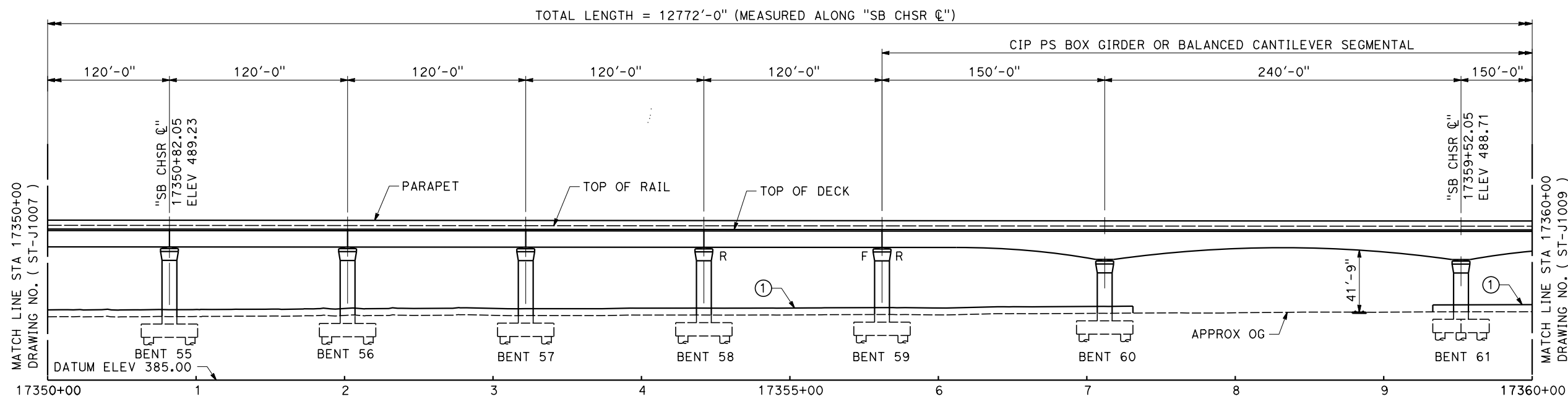


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

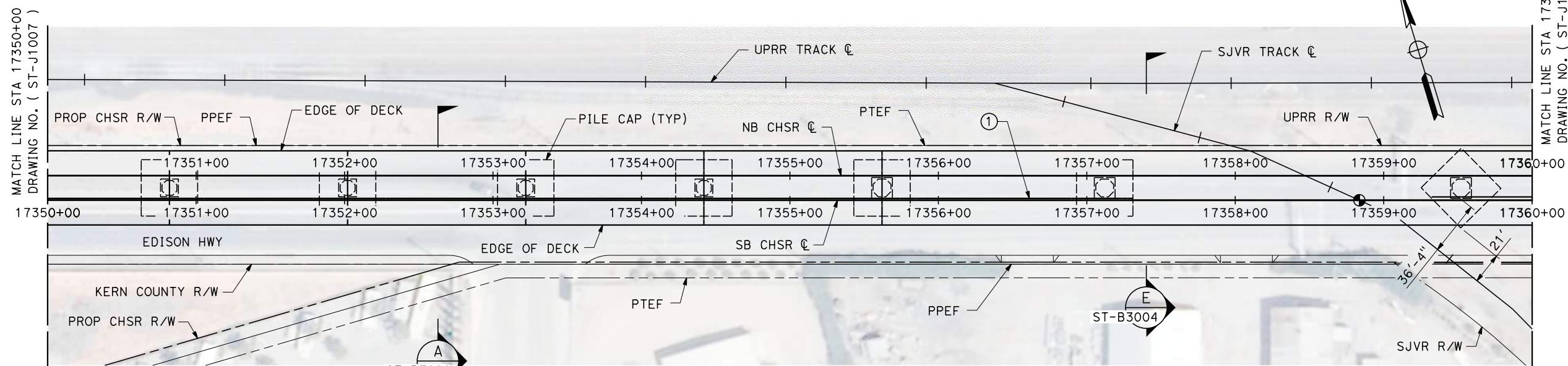
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1007  
SCALE  
AS SHOWN  
SHEET NO.  
30

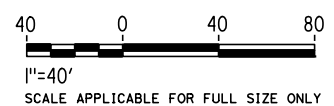




**ELEVATION**  
SCALE 1"= 40'



**PLAN**  
SCALE 1"= 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1008

3:13:39 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

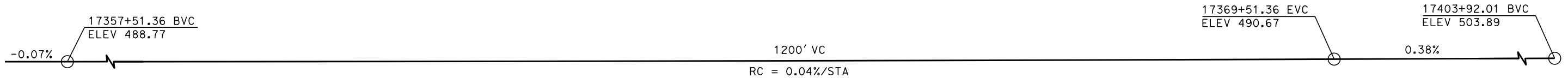
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**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

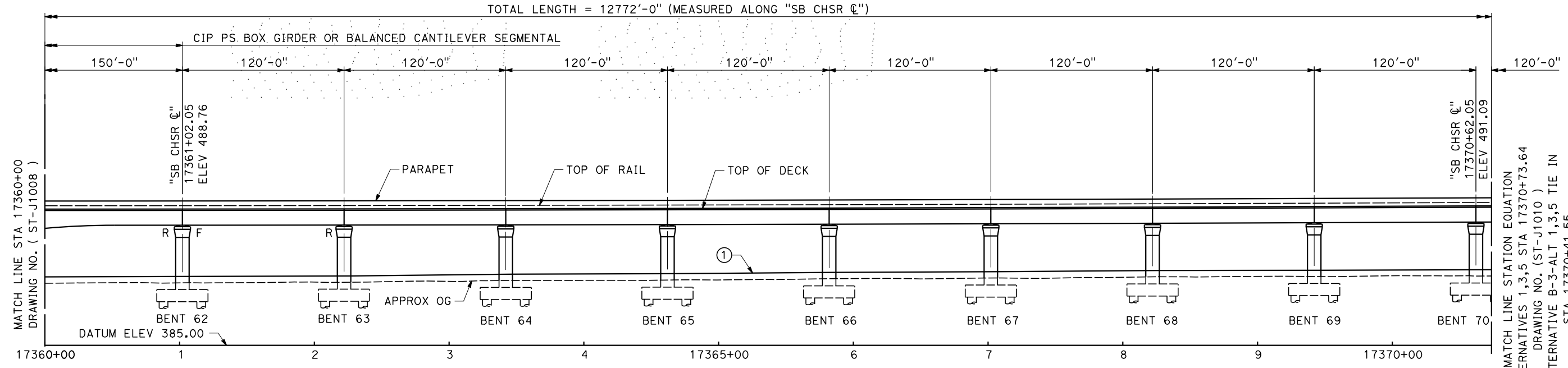


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

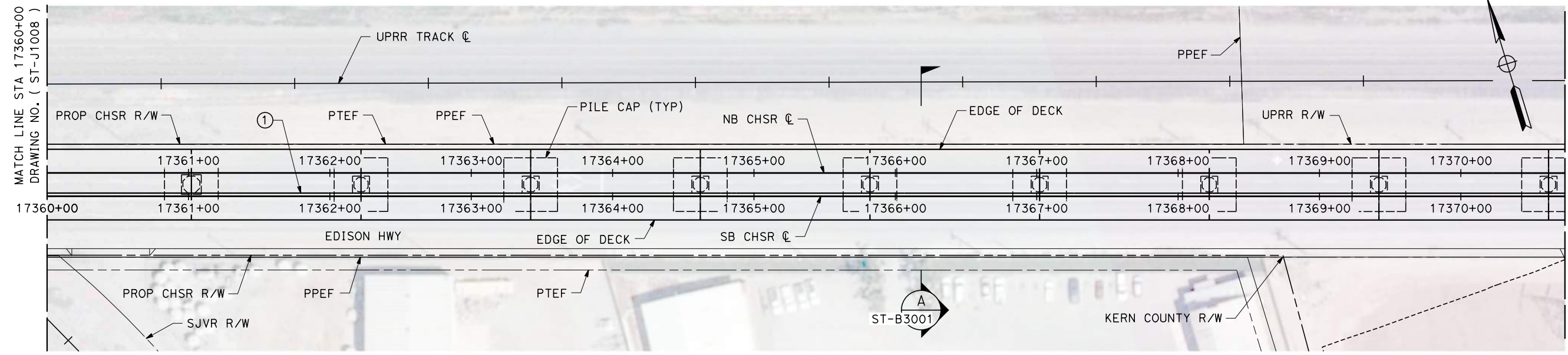
CONTRACT NO.  
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DRAWING NO.  
ST-J1008  
SCALE  
AS SHOWN  
SHEET NO.  
31



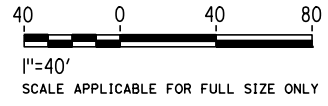
**TOP OF RAIL "SB CHSR ☐"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



MATCH LINE STATION EQUATION  
ALTERNATIVES 1,3,5 STA 17370+73.64  
DRAWING NO. (ST-J1010)  
ALTERNATIVE B-3-ALT 1,3,5 TIE IN  
STA 17370+41.55  
DRAWING NO. (ST-J1169)

MATCH LINE STATION EQUATION  
ALTERNATIVES 1,3,5 STA 17370+73.64  
DRAWING NO. (ST-J1010)  
ALTERNATIVE B-3-ALT 1,3,5 TIE IN  
STA 17370+41.55  
DRAWING NO. (ST-J1169)

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1009

3:11:17 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1009  
SCALE  
AS SHOWN  
SHEET NO.  
32



17369+51.36 EVC  
ELEV 490.67

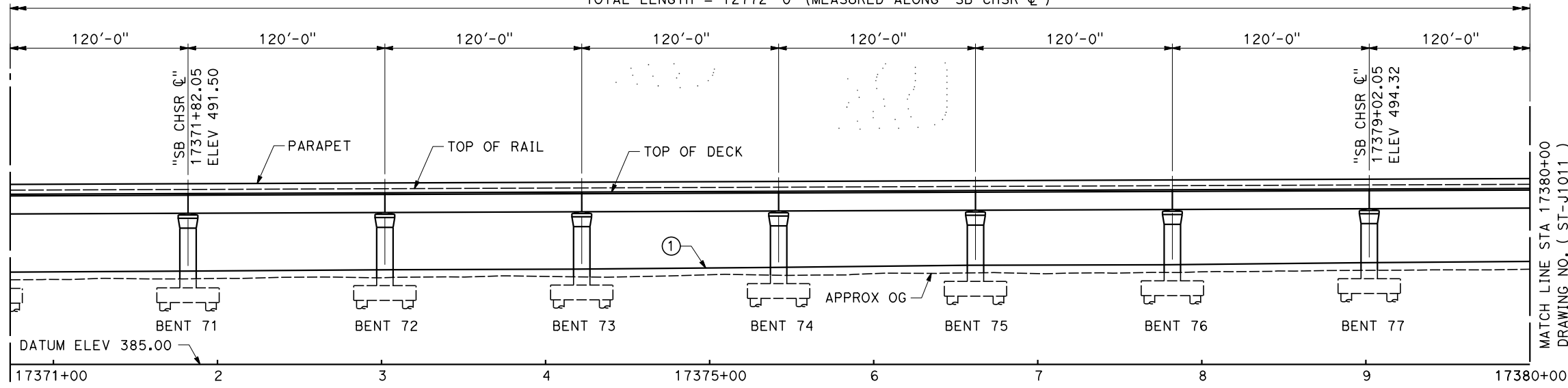
17403+92.01 BVC  
ELEV 503.89

0.38%

**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE

TOTAL LENGTH = 12772'-0" (MEASURED ALONG "SB CHSR ☉")

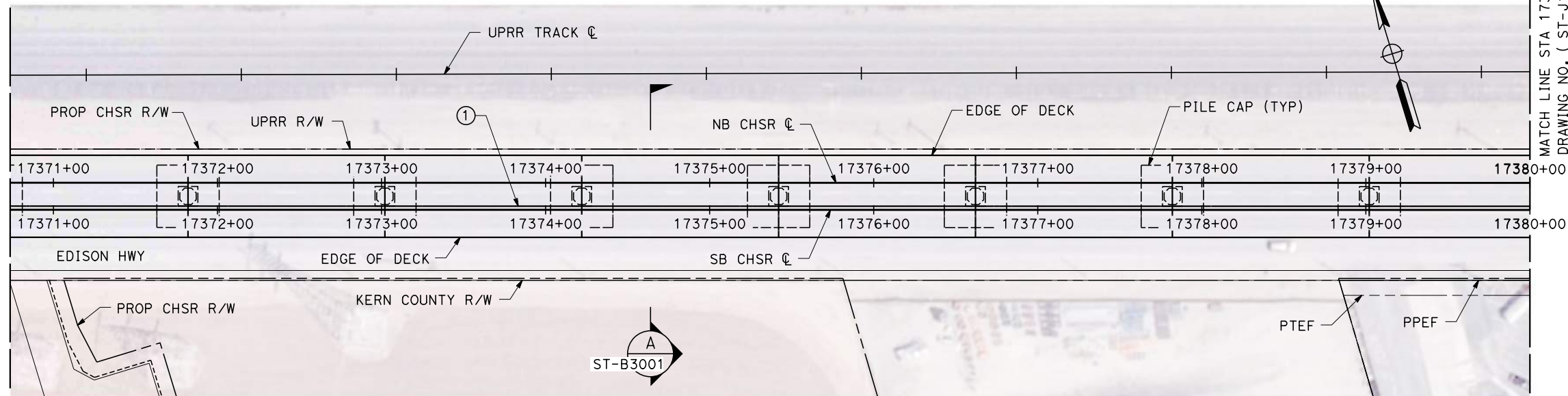
MATCH LINE STATION EQUATION  
ALTERNATIVES 1,3,5 STA 17370+73.64  
DRAWING NO. (ST-J1009 )  
ALTERNATIVE B-3-ALT 1,3,5 TIE IN  
STA 17370+41.55  
DRAWING NO. (ST-J1169 )



MATCH LINE STA 17380+00  
DRAWING NO. ( ST-J1011 )

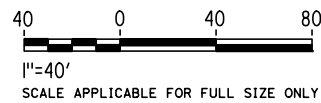
**ELEVATION**  
SCALE 1"= 40'

MATCH LINE STATION EQUATION  
ALTERNATIVES 1,3,5 STA 17370+73.64  
DRAWING NO. (ST-J1009 )  
ALTERNATIVE B-3-ALT 1,3,5 TIE IN  
STA 17370+41.55  
DRAWING NO. (ST-J1169 )



MATCH LINE STA 17380+00  
DRAWING NO. ( ST-J1011 )

**PLAN**  
SCALE 1"= 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1010

3:11:58 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

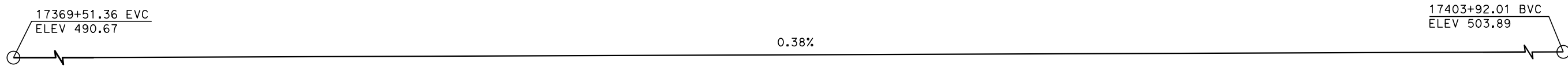
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**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



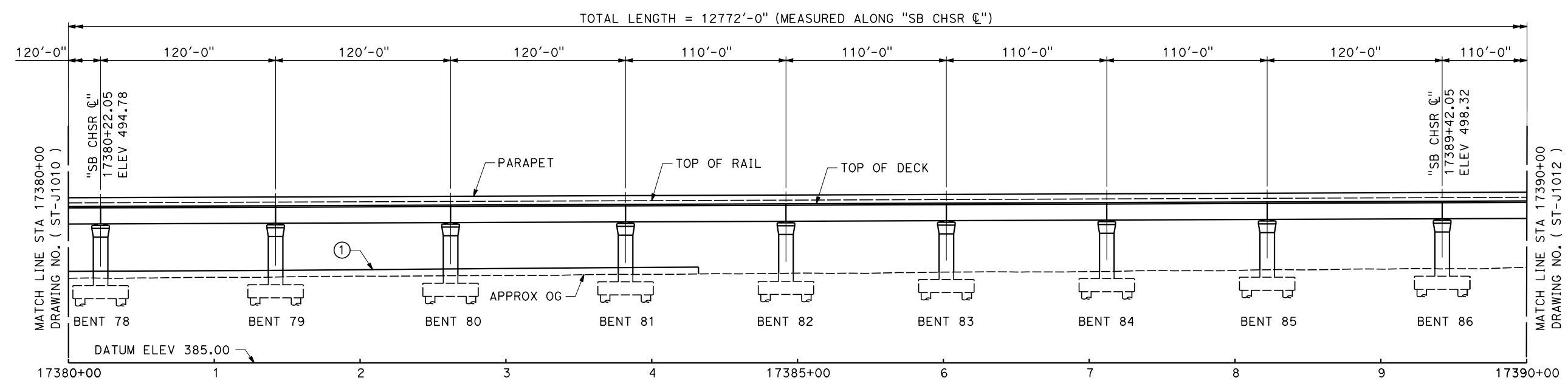
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1010  
SCALE  
AS SHOWN  
SHEET NO.  
33

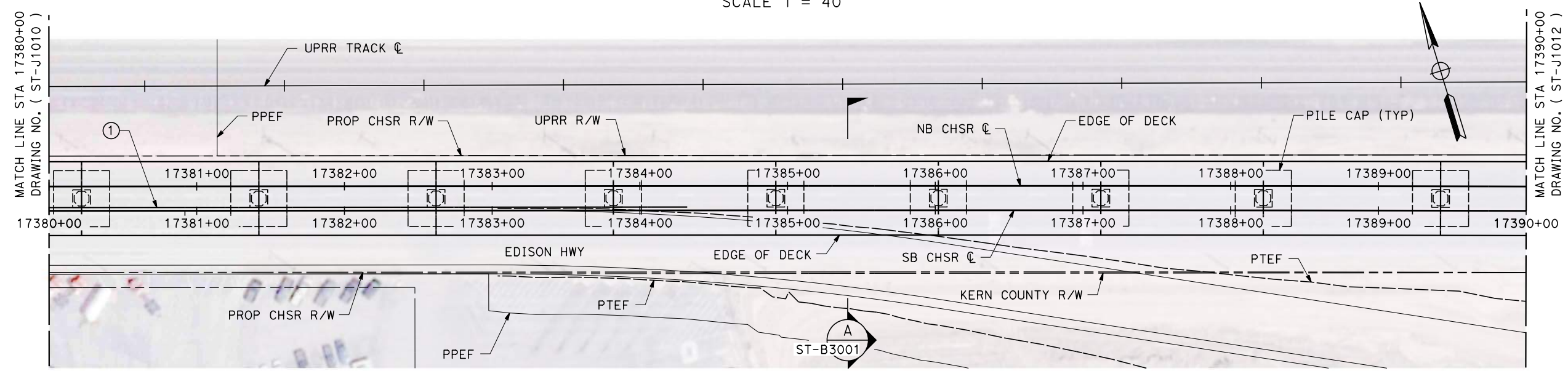
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1/21/2021  
ics\_user\_17609



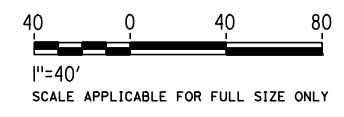
**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

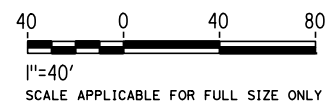
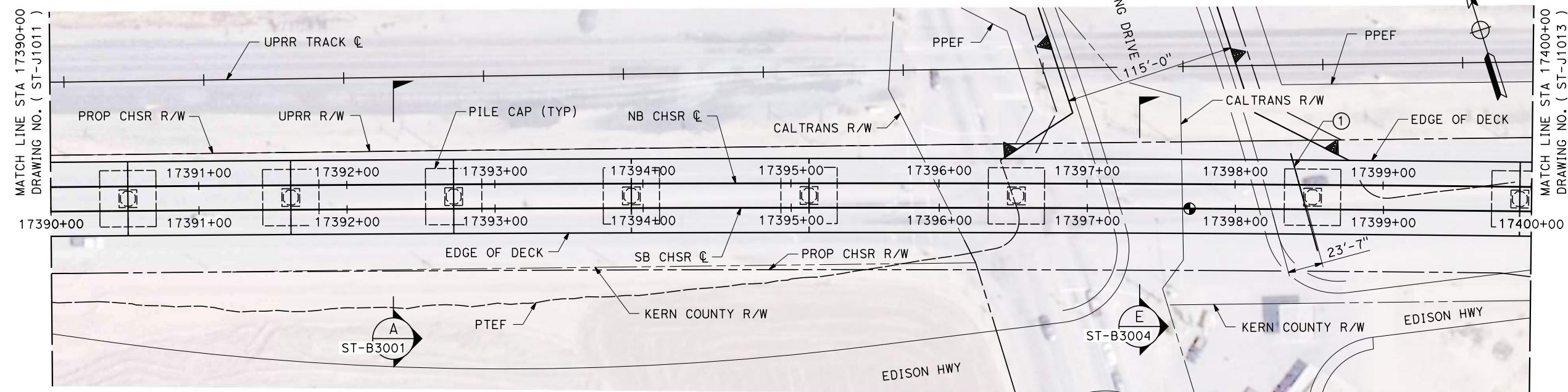
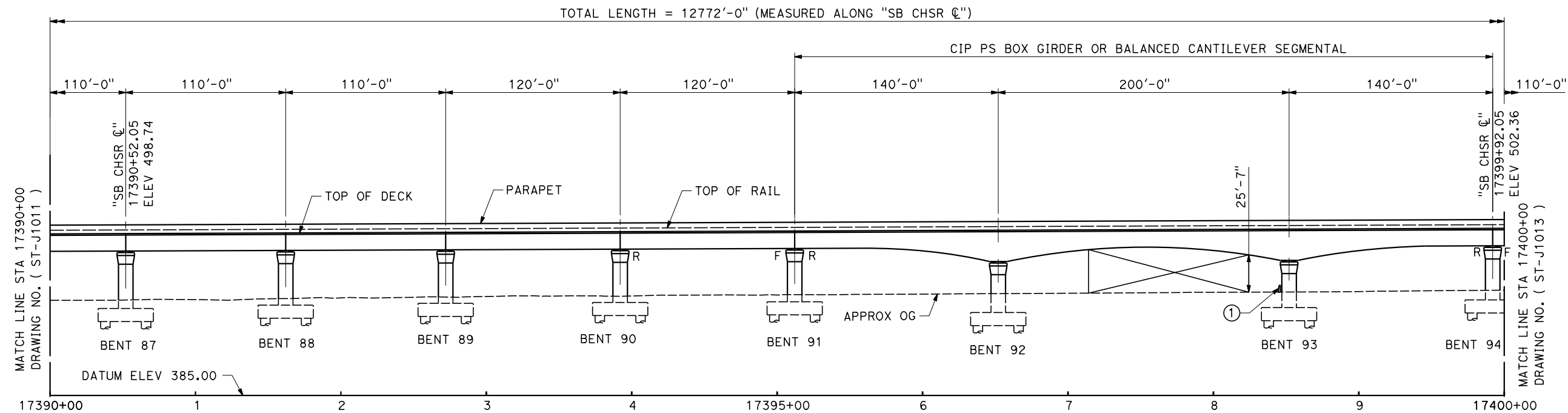
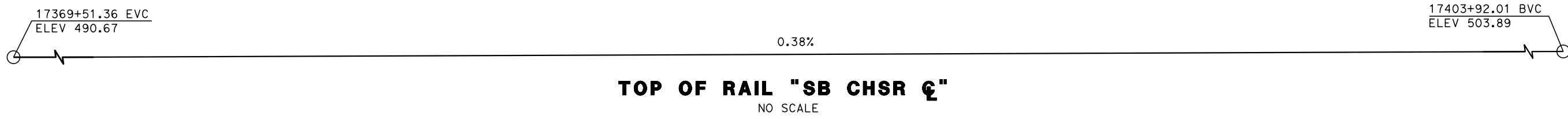


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1011  
SCALE  
AS SHOWN  
SHEET NO.  
34



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1/21/2021  
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

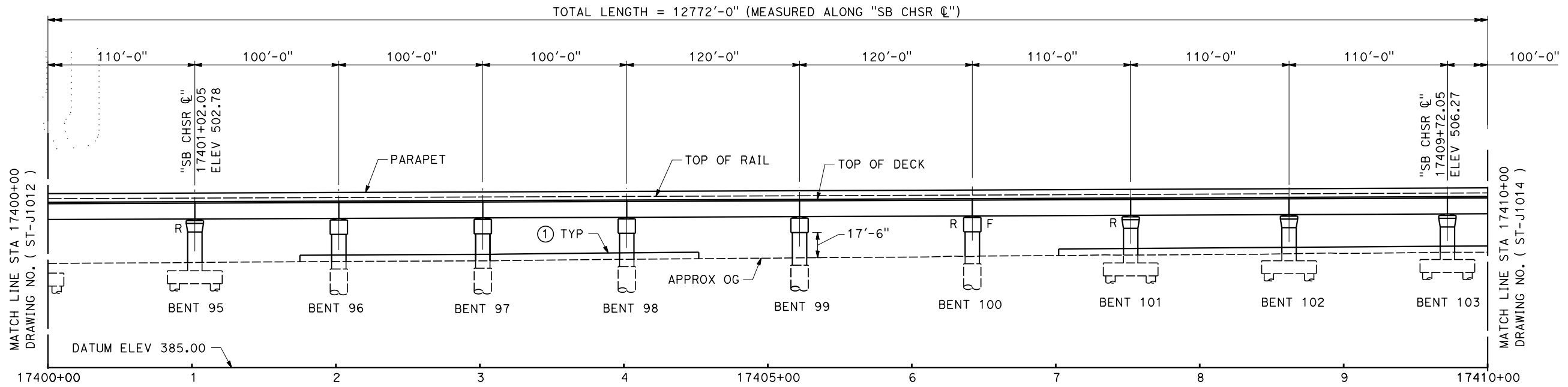


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

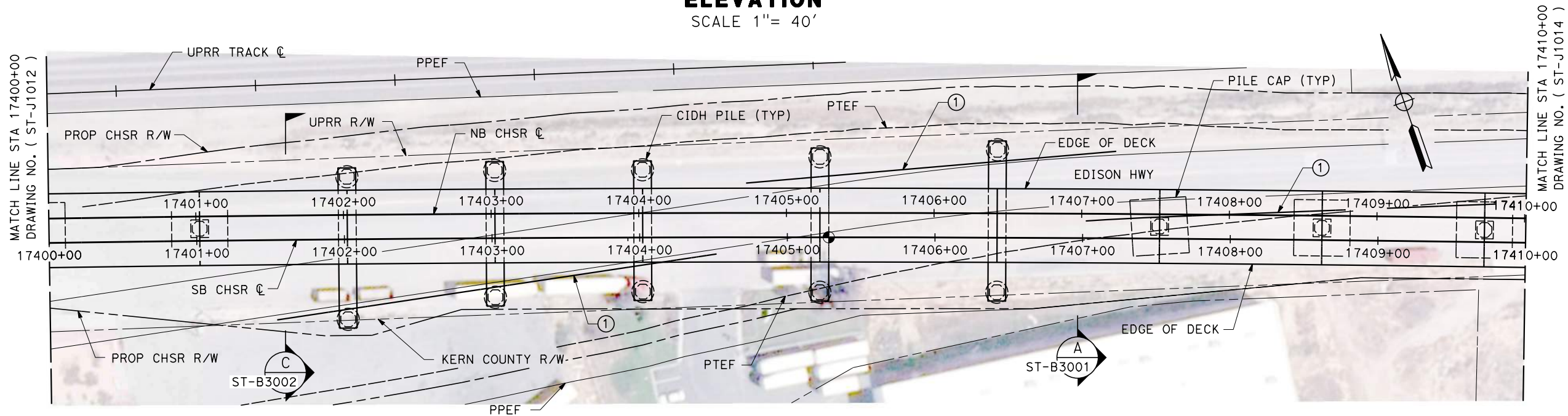
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AS SHOWN  
SHEET NO.  
35



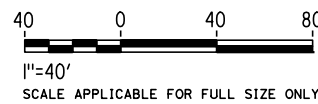
**TOP OF RAIL "SB CHSR ☐"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1013  
1/21/2021 3:13:15 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

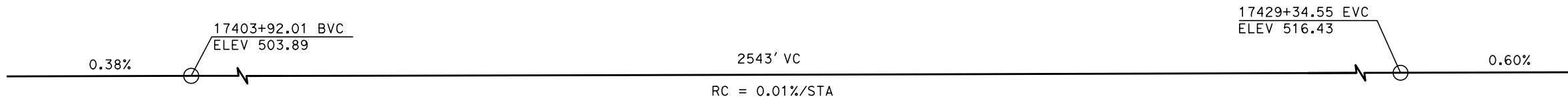
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**PEPD**  
**SUBMITTAL**

**NOT FOR**  
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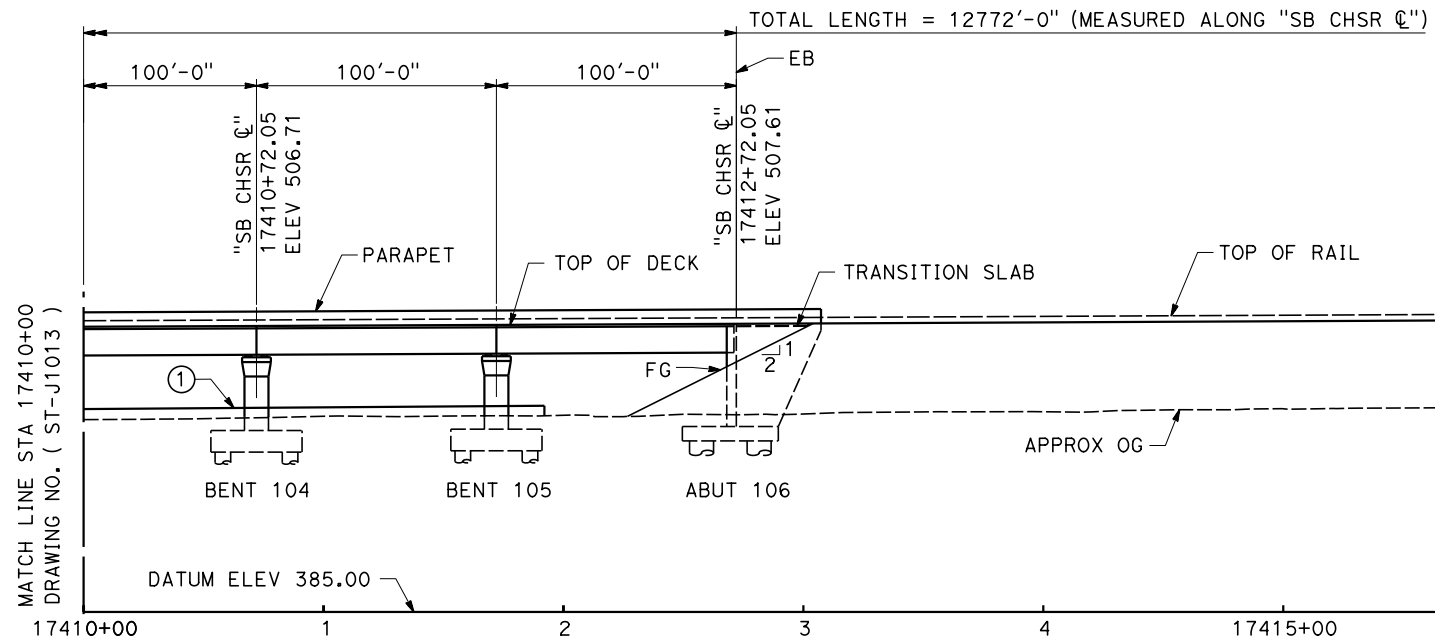


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

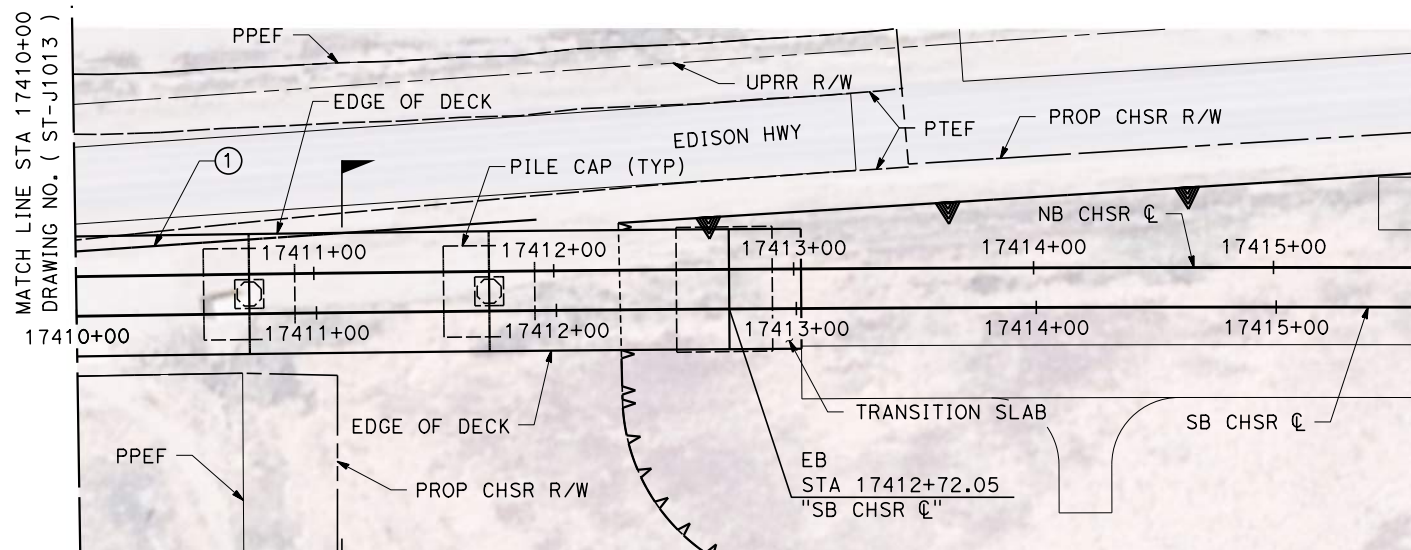
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DRAWING NO.  
**ST-J1013**  
SCALE  
**AS SHOWN**  
SHEET NO.  
**36**



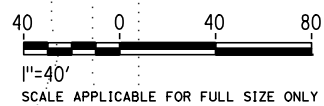
**TOP OF RAIL "SB CHSR ☐"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



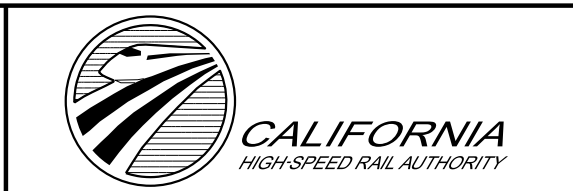
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3:12:22 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+72.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1014  
SCALE  
AS SHOWN  
SHEET NO.  
37

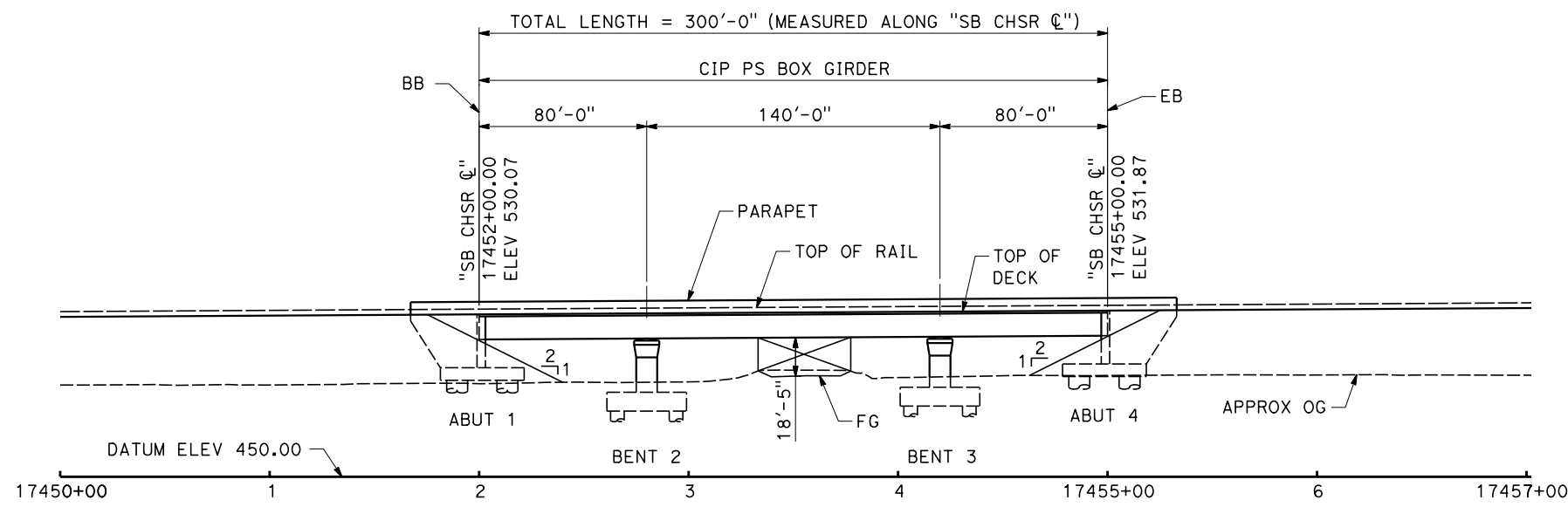
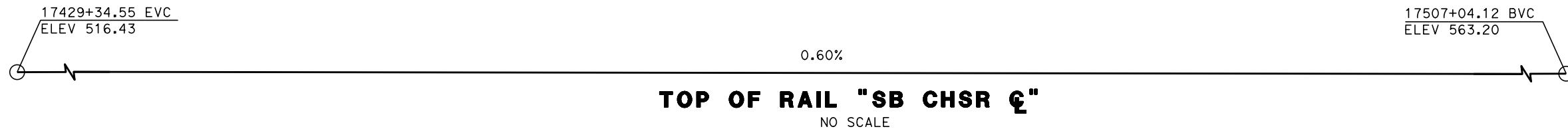


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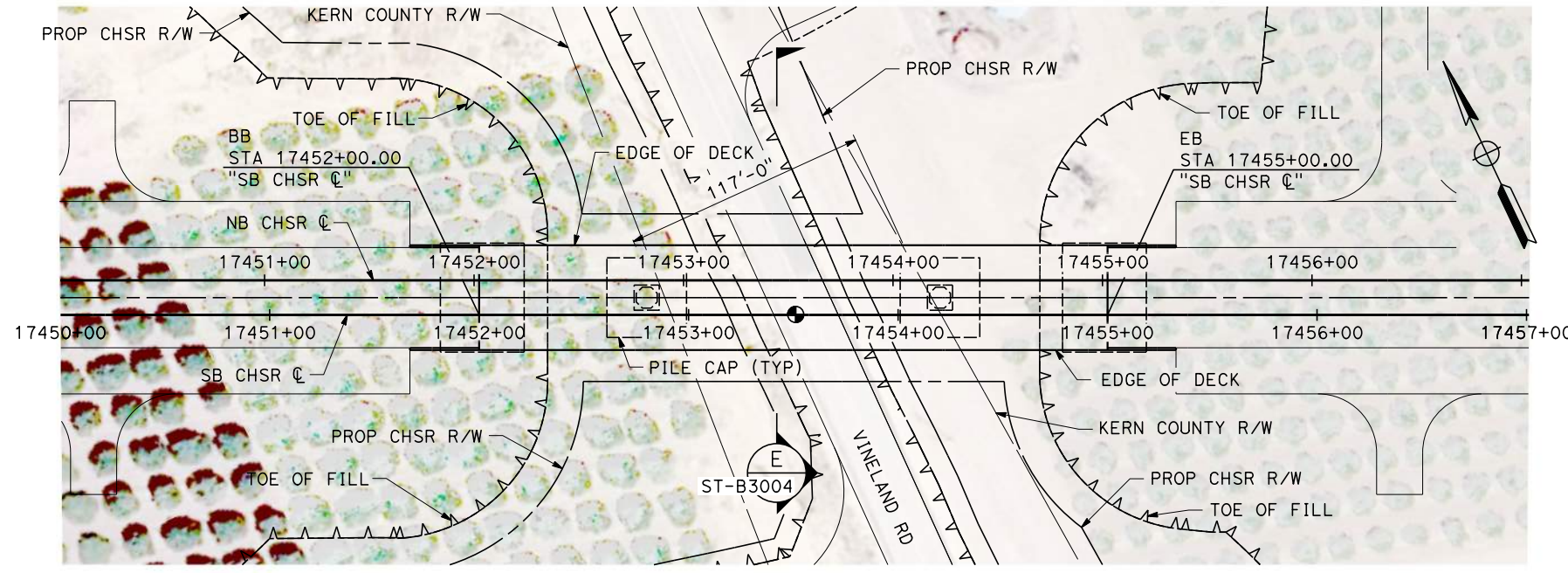
3:11:35 AM

1/21/2021

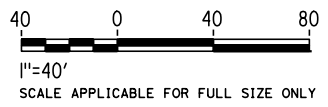
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

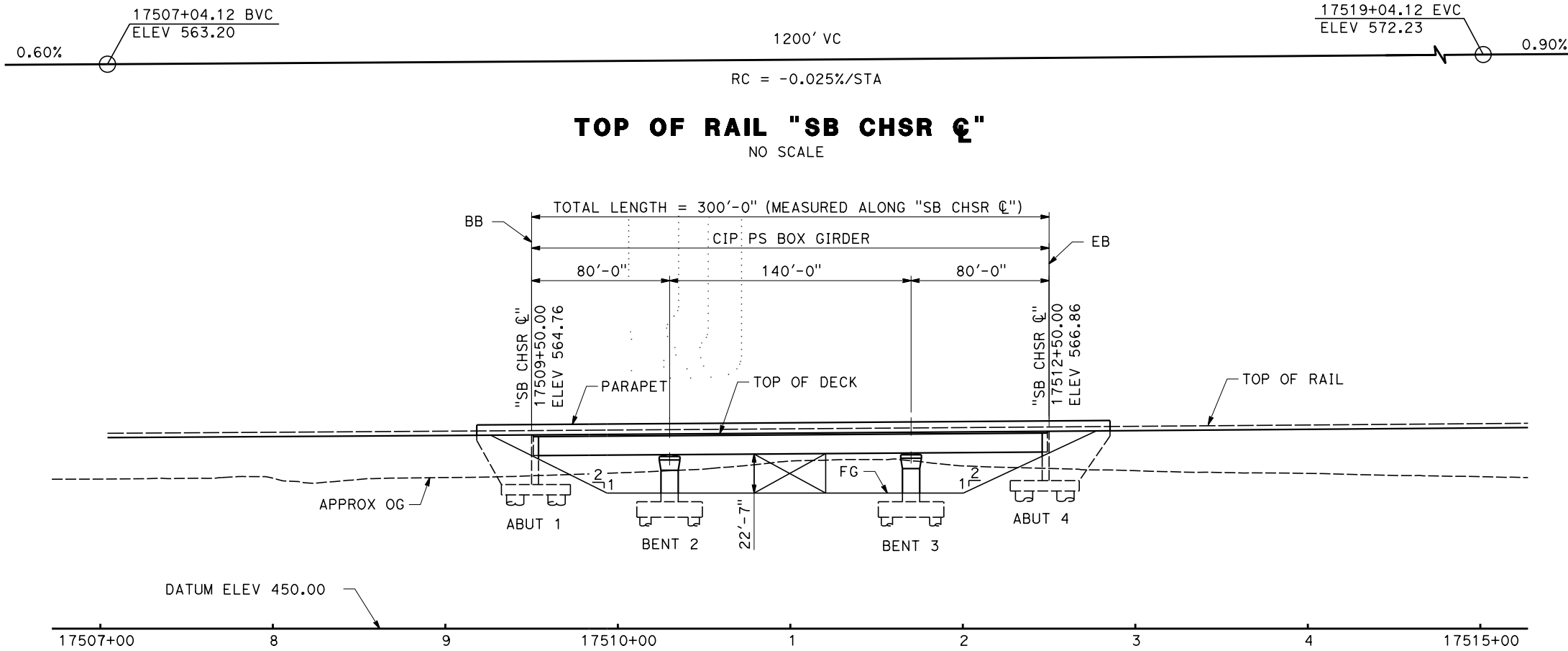
DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

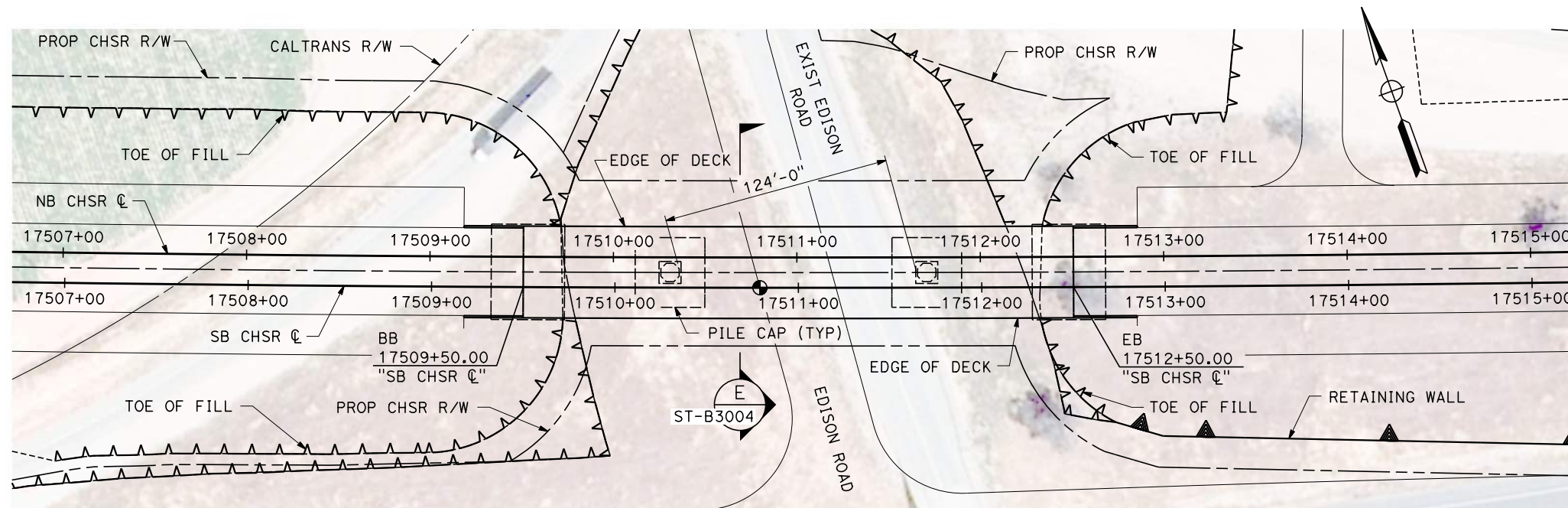


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VINELAND ROAD UNDERPASS  
PLAN AND ELEVATION

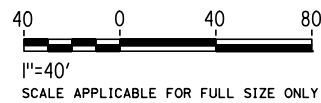
CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1017  
SCALE  
AS SHOWN  
SHEET NO.  
38



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1018 1/21/2021 3:14:01 AM jcs\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

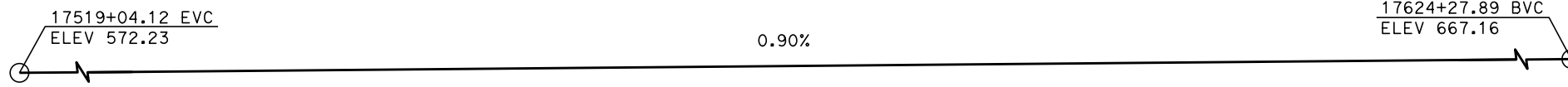
DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

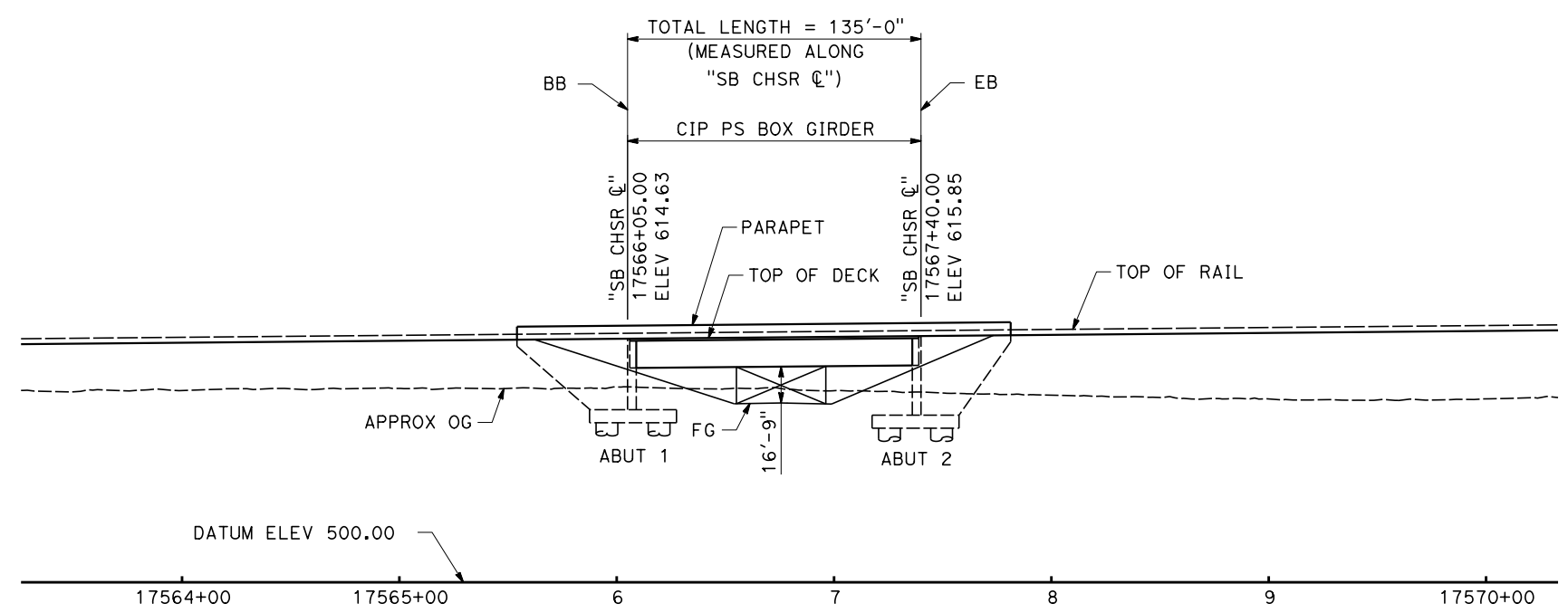


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
EDISON ROAD UNDERPASS  
PLAN AND ELEVATION

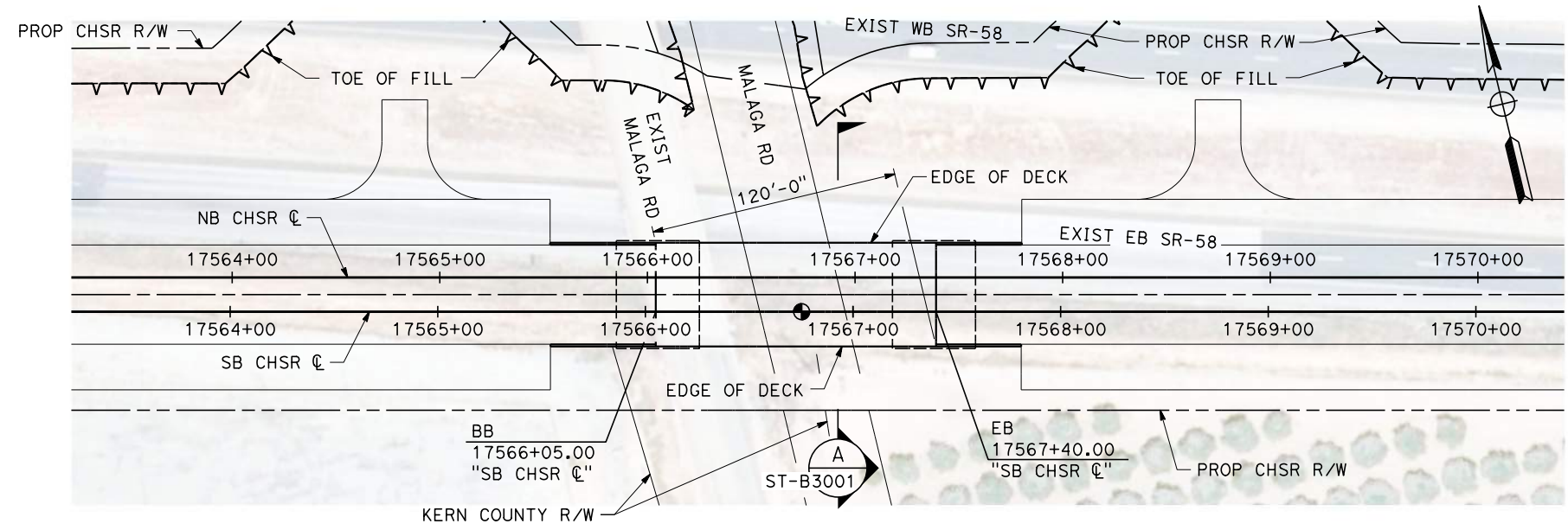
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HSR 13-44  
DRAWING NO.  
ST-J1018  
SCALE  
AS SHOWN  
SHEET NO.  
39



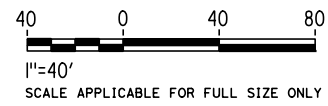
**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1019  
1/21/2021 3:14:21 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
MALAGA ROAD UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1019  
SCALE  
AS SHOWN  
SHEET NO.  
40



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1020

3:14:23 AM

1/21/2021

ics\_user\_17609

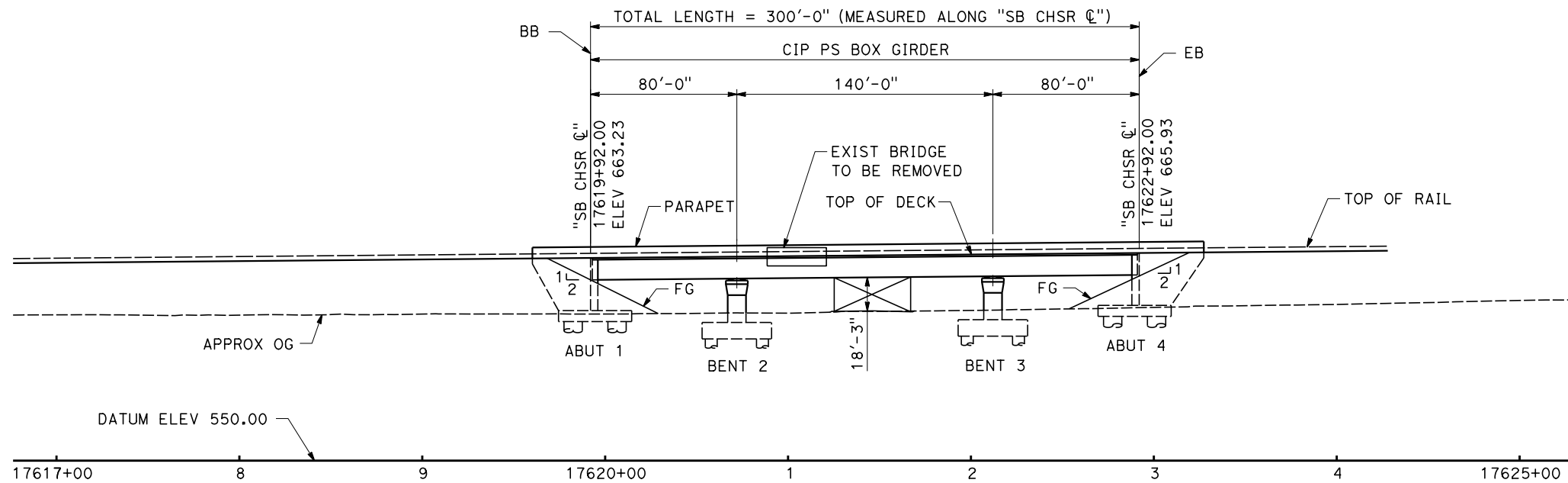
17519+04.12 EVC  
ELEV 572.23

0.90%

17624+27.89 BVC  
ELEV 667.16

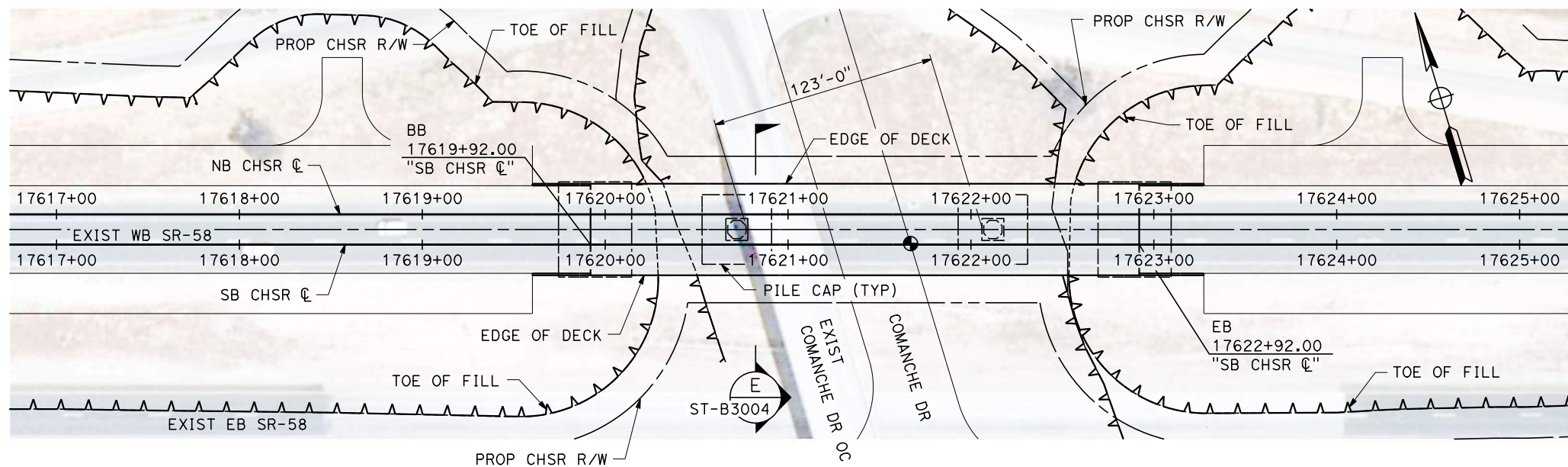
### TOP OF RAIL "SB CHSR ☐"

NO SCALE



### ELEVATION

SCALE 1" = 40'



### PLAN

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

RECORD SET  
PEPD  
SUBMITTAL

NOT FOR  
CONSTRUCTION

TYLIN INTERNATIONAL



CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY

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

ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
COMANCHE DRIVE UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44

DRAWING NO.  
ST-J1020

SCALE  
AS SHOWN

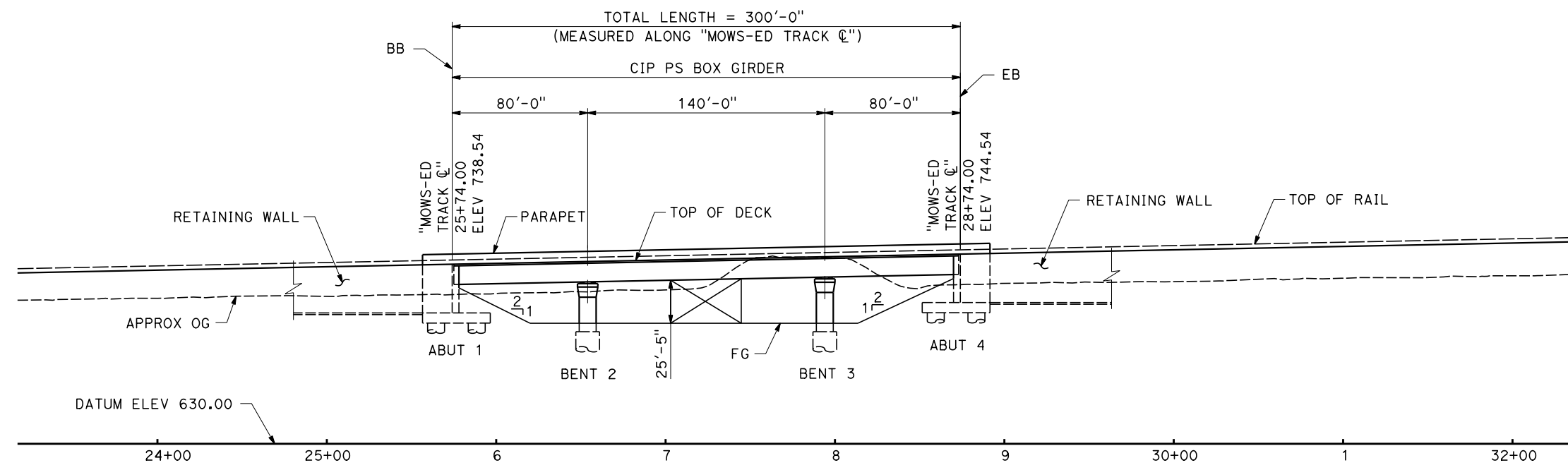
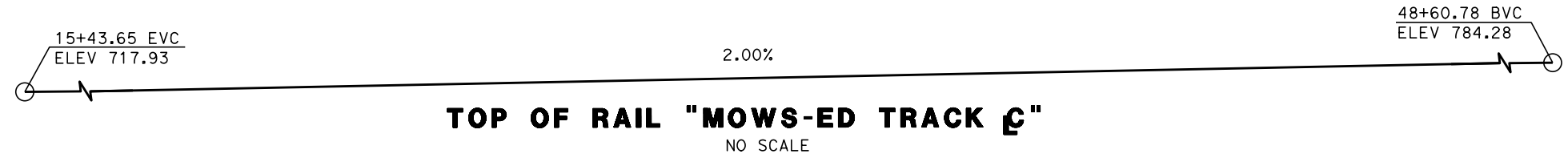
SHEET NO.  
41

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1021

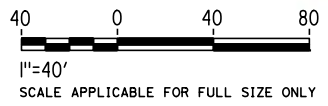
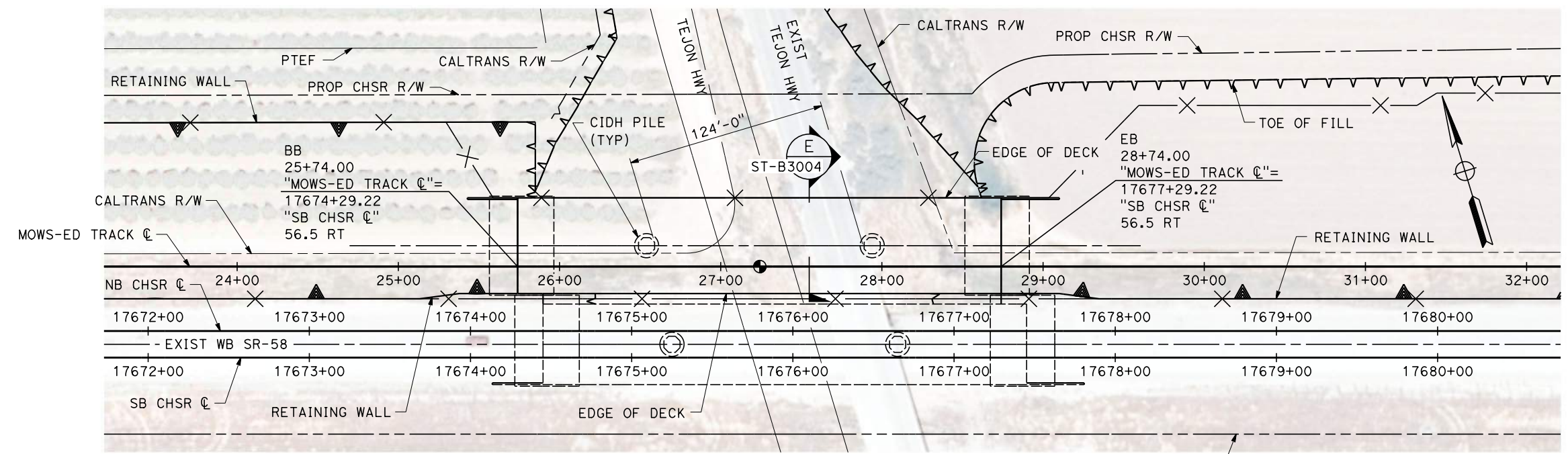
3:14:41 AM

1/21/2021

ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR CONSTRUCTION**



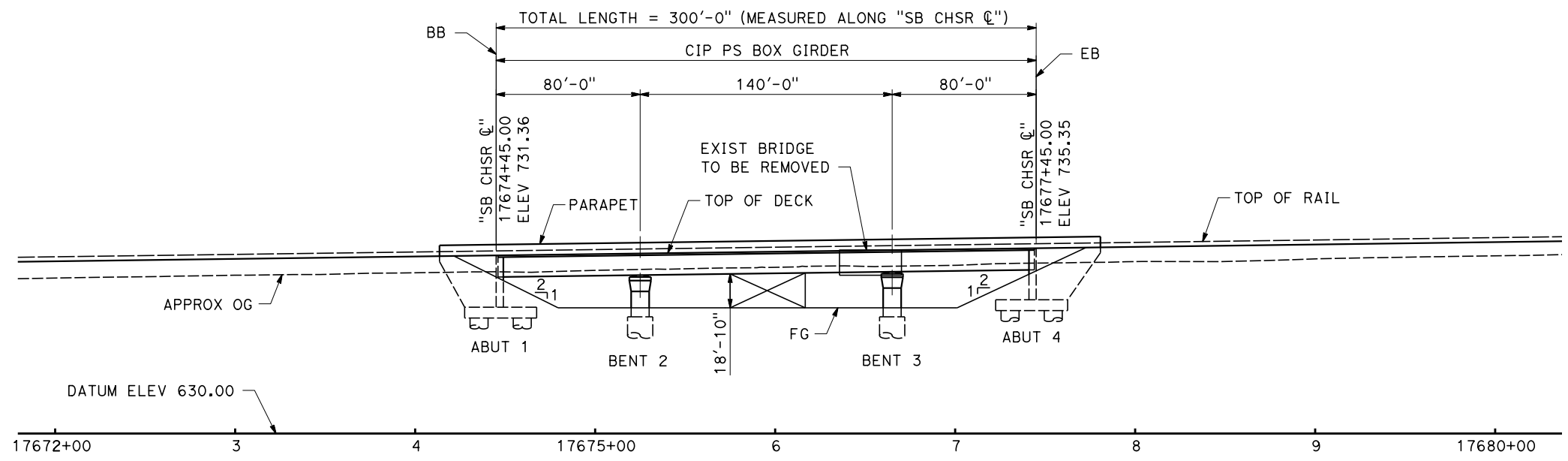
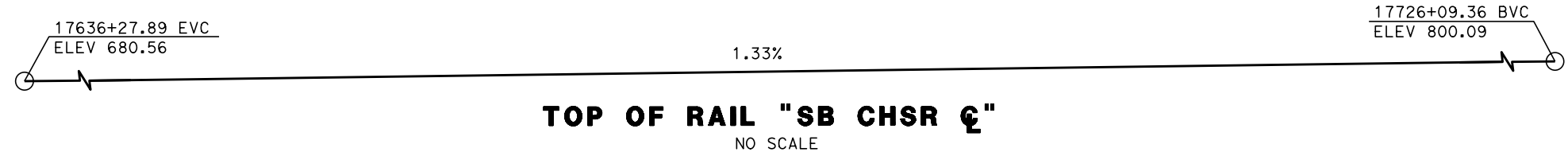
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
TEJON HIGHWAY NORTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44

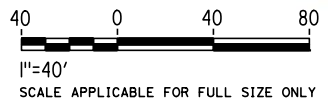
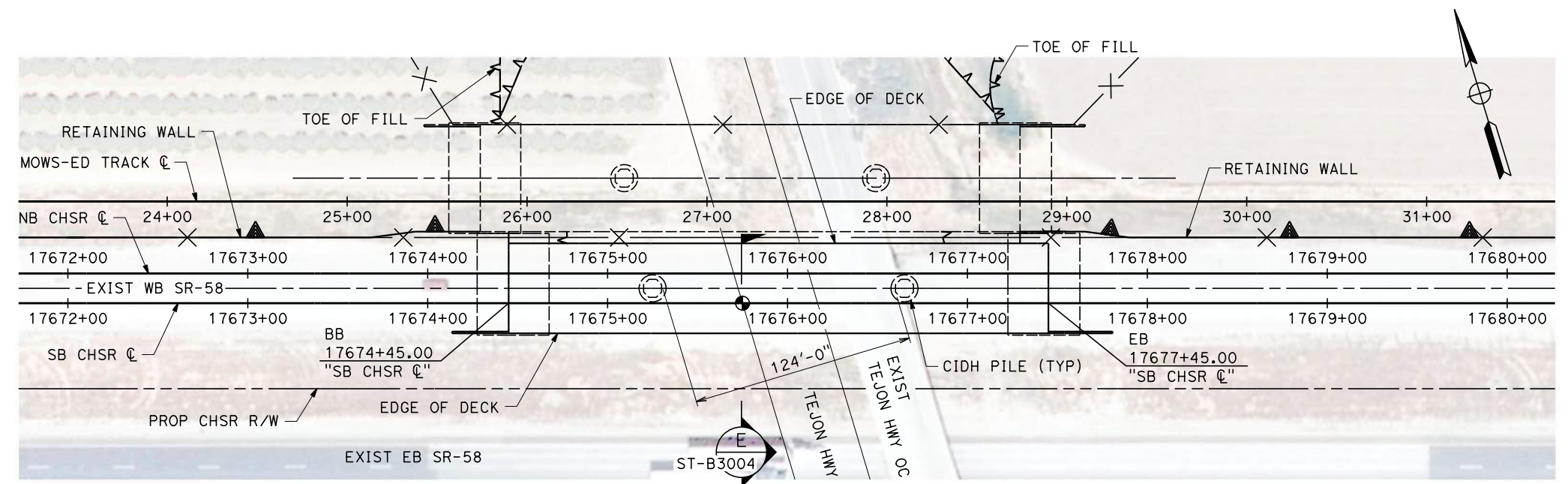
DRAWING NO.  
ST-J1021

SCALE  
AS SHOWN

SHEET NO.  
42



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1022  
1/21/2021 3:11:38 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

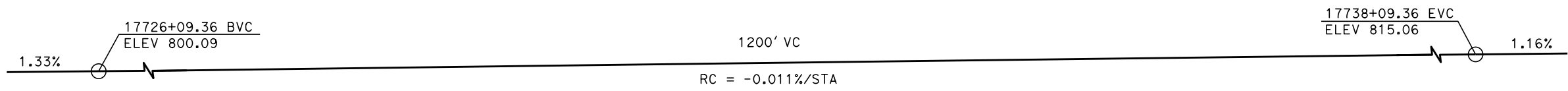
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**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



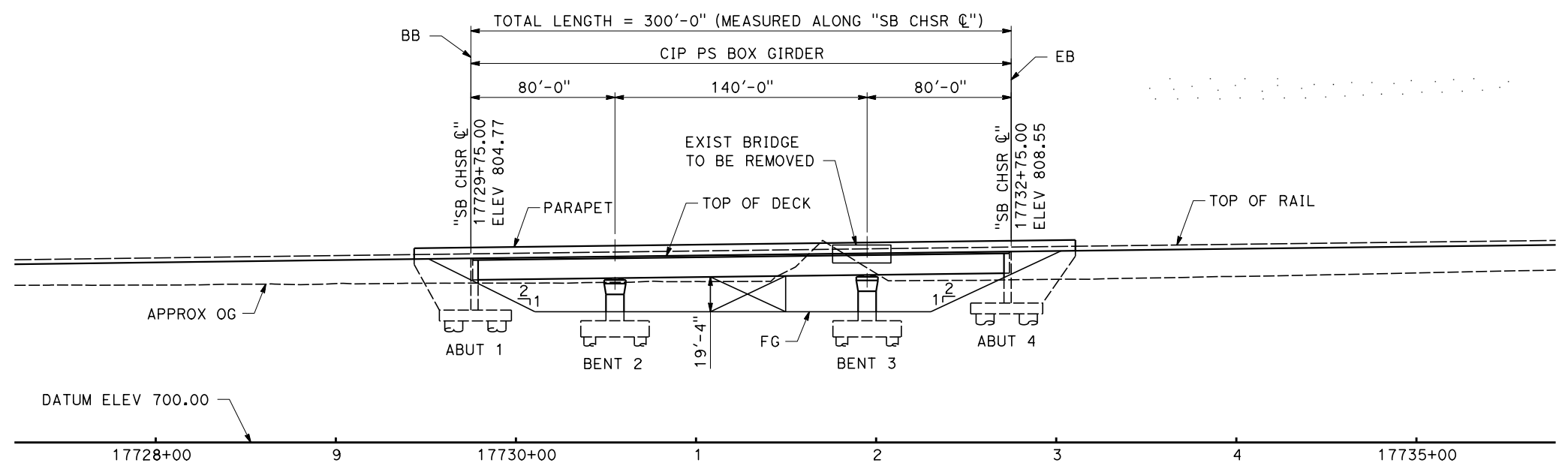
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
TEJON HIGHWAY SOUTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1022  
SCALE  
AS SHOWN  
SHEET NO.  
43

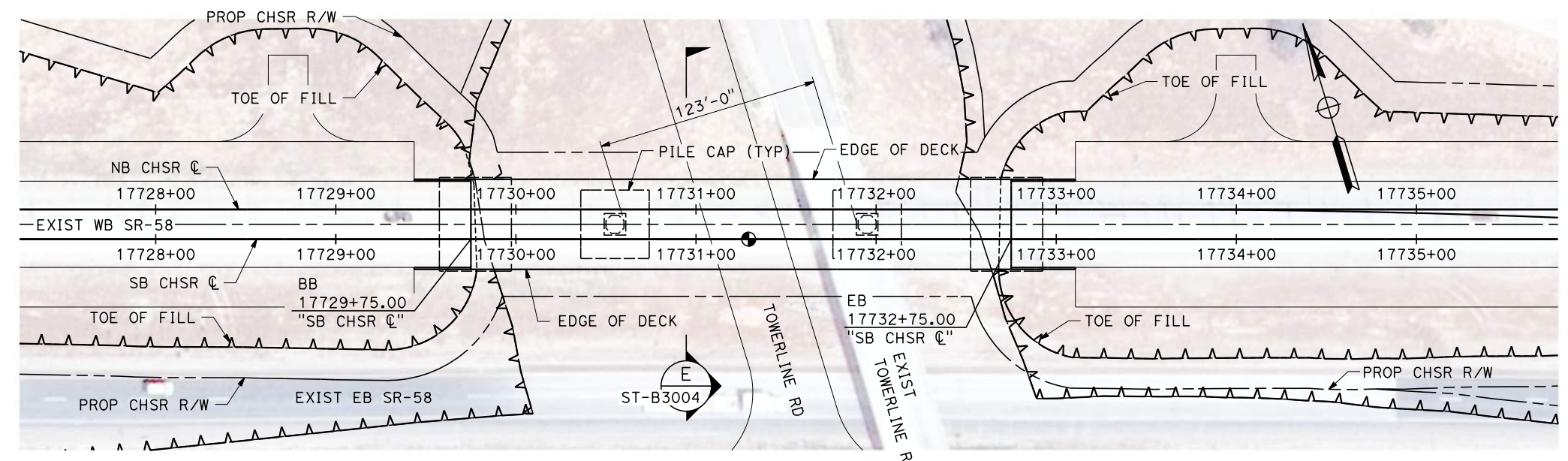




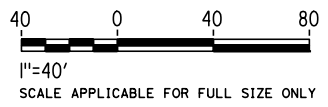
**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1023 1/21/2021 3:12:43 AM jcs\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
TOWERLINE ROAD UNDERPASS  
PLAN AND ELEVATION

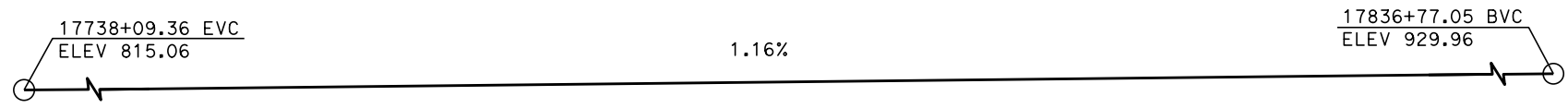
CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
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AS SHOWN  
SHEET NO.  
44

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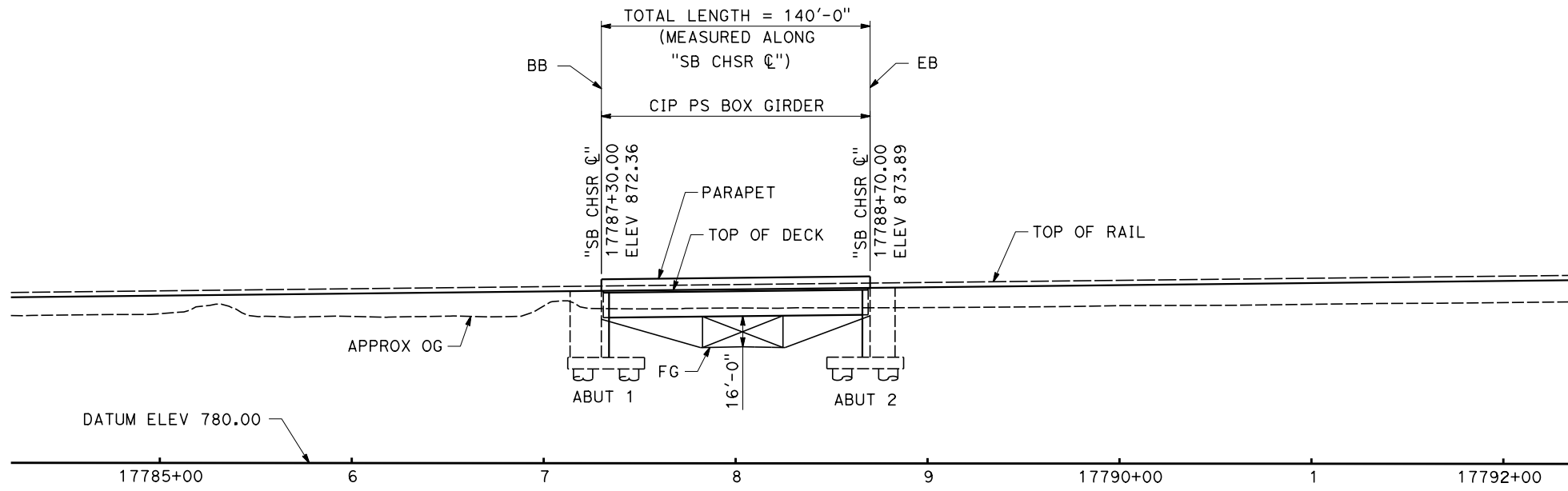
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1/21/2021

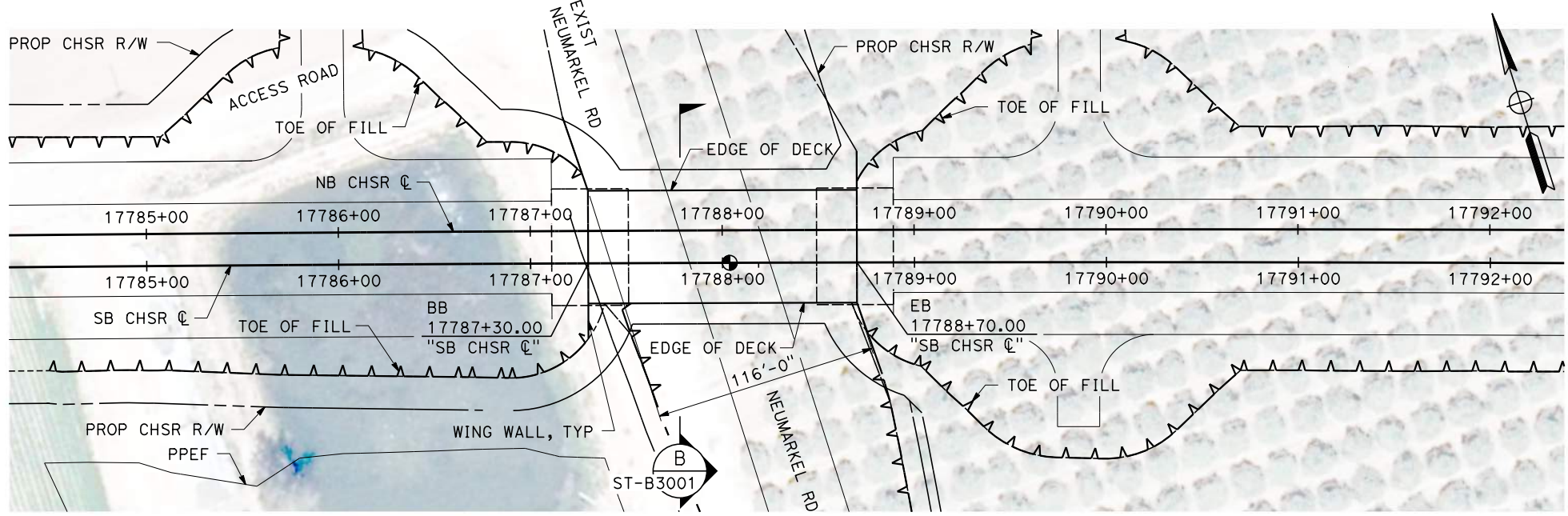
ics\_user\_17609



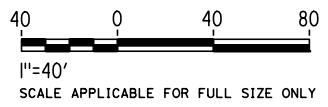
**TOP OF RAIL "SB CHSR ☐"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



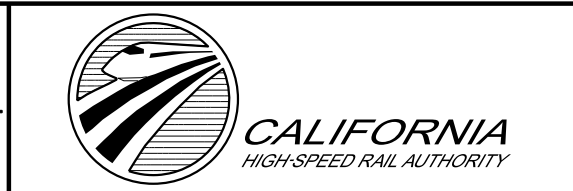
**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

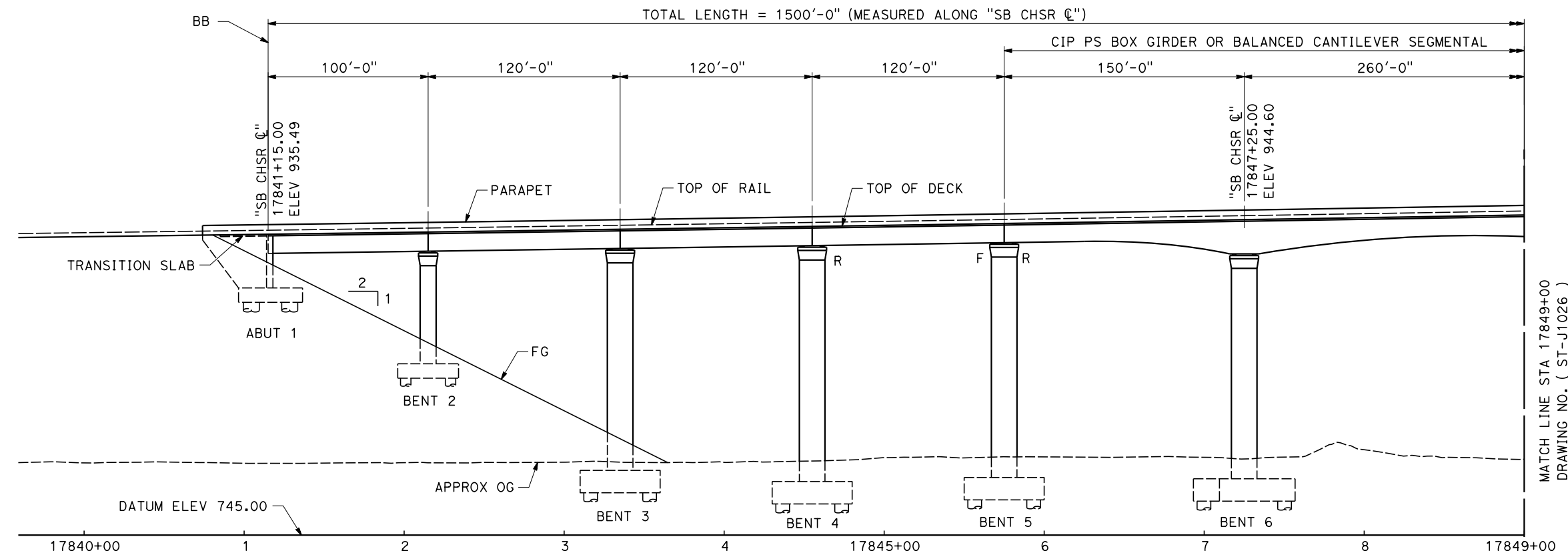
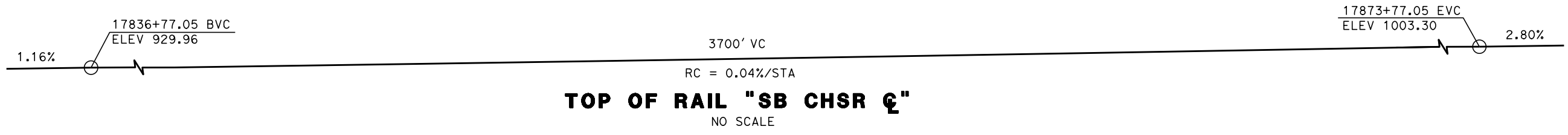
DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

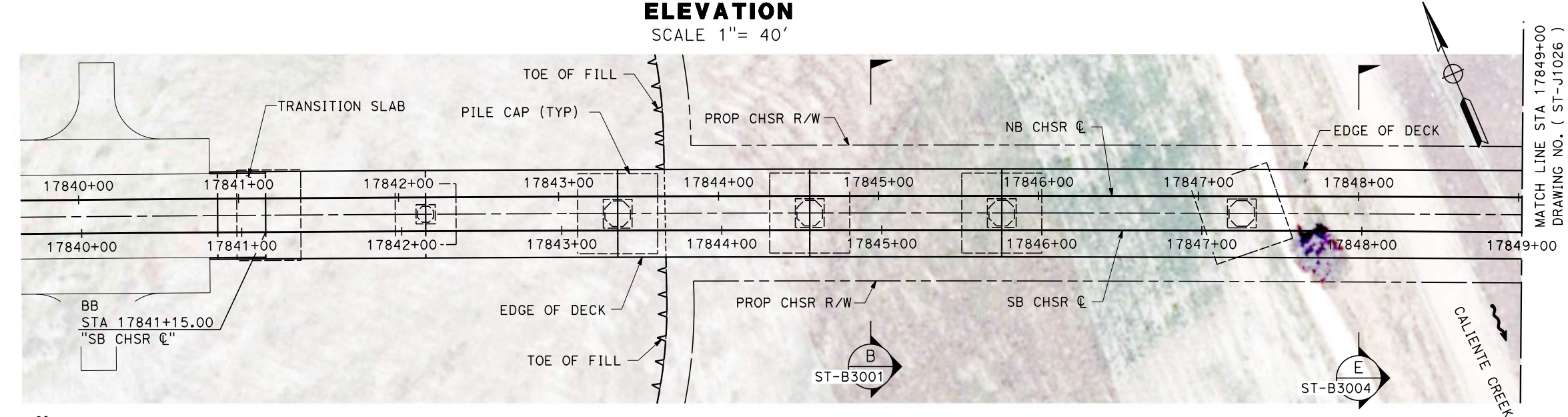


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
NEUMARKEL ROAD UNDERPASS  
PLAN AND ELEVATION

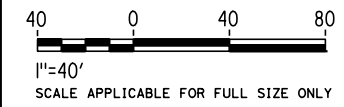
CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1024  
SCALE  
AS SHOWN  
SHEET NO.  
45



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1025  
3:11:56 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17841+15 TO 17856+15  
PLAN AND ELEVATION

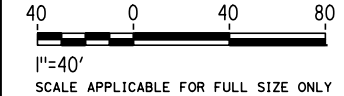
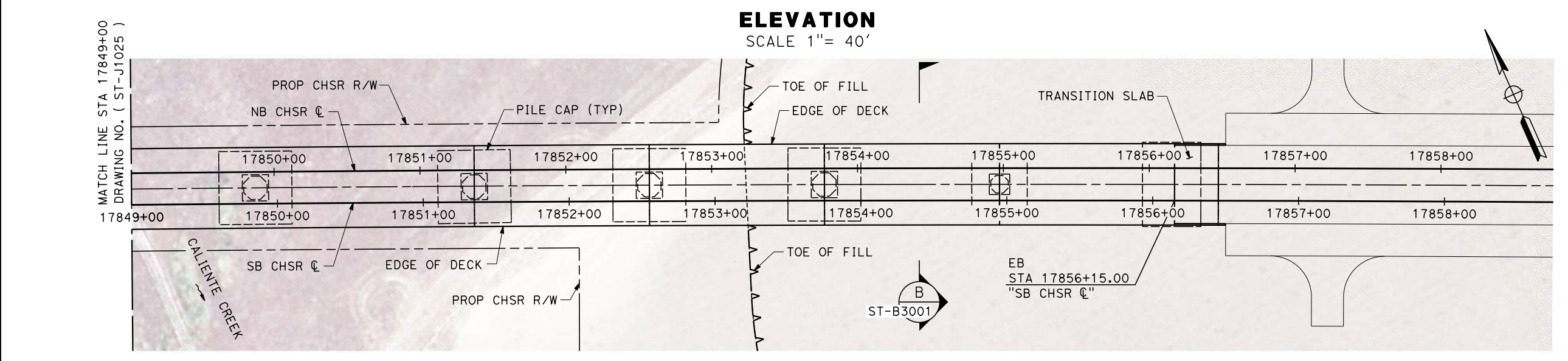
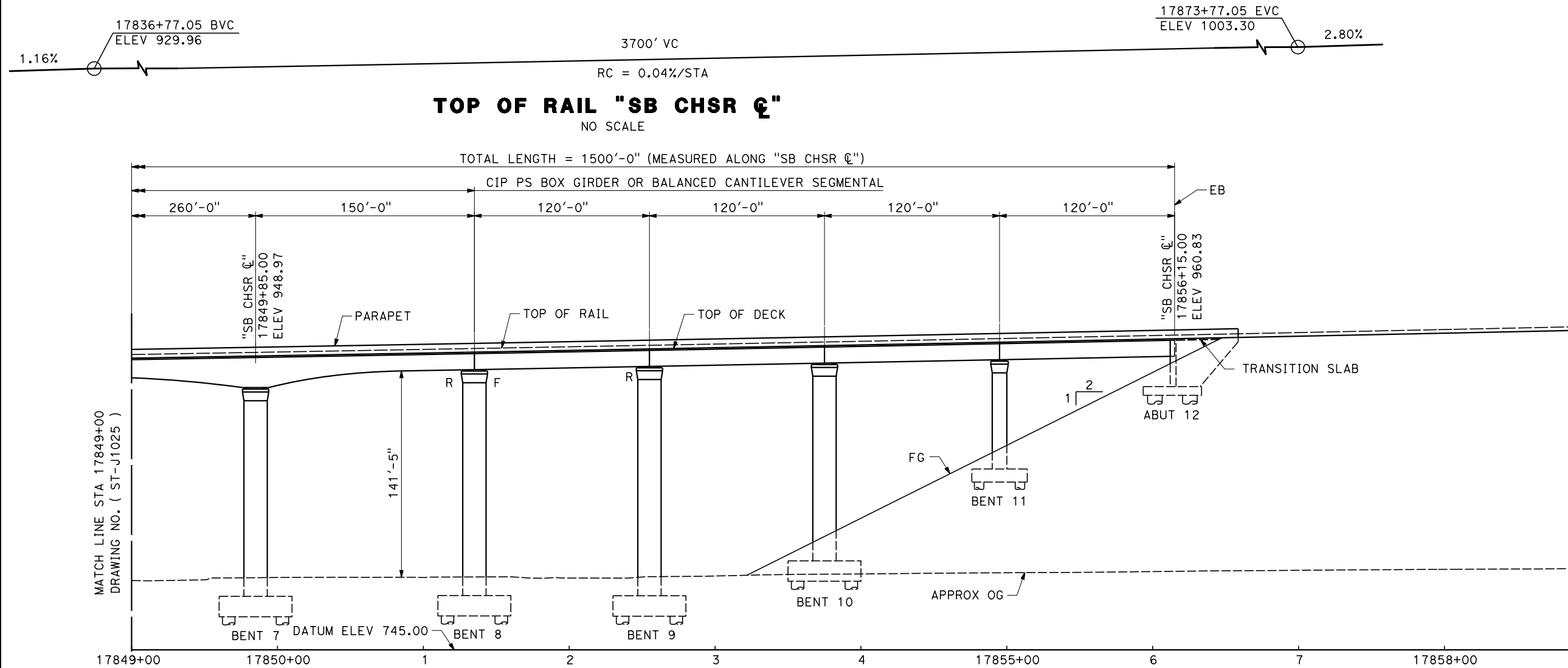
CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1025  
SCALE  
AS SHOWN  
SHEET NO.  
46

MATCH LINE STA 17849+00  
DRAWING NO. ( ST-J1026 )

MATCH LINE STA 17849+00  
DRAWING NO. ( ST-J1026 )



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1026  
3:13:37 AM  
1/21/2021  
ics\_user\_17609



**ELEVATION**  
SCALE 1"= 40'

**PLAN**  
SCALE 1"= 40'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,3,5  
TRACK STRUCTURES  
VIADUCT STATION 17841+15 TO 17856+15  
PLAN AND ELEVATION

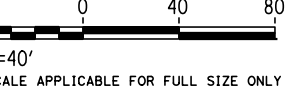
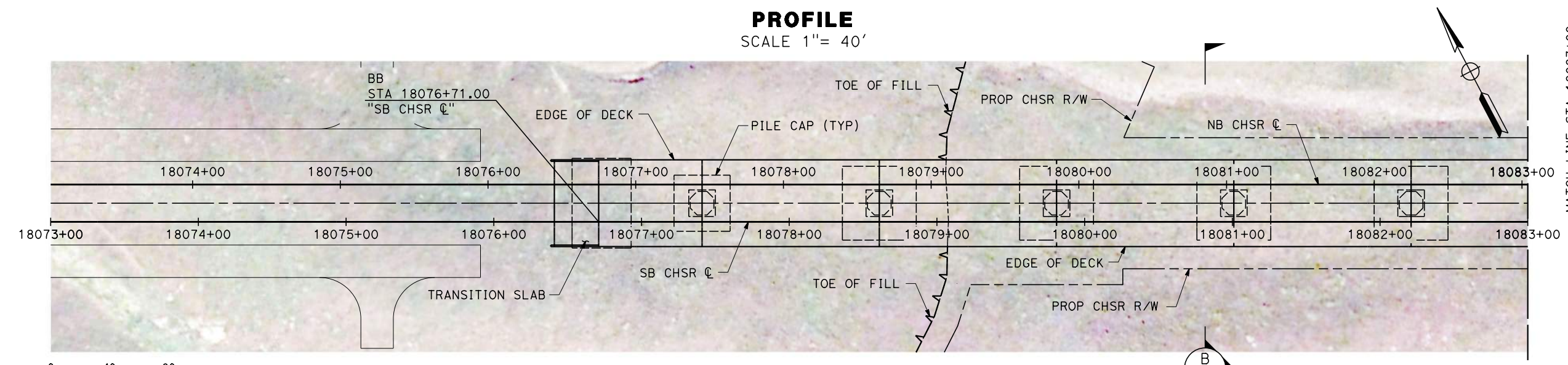
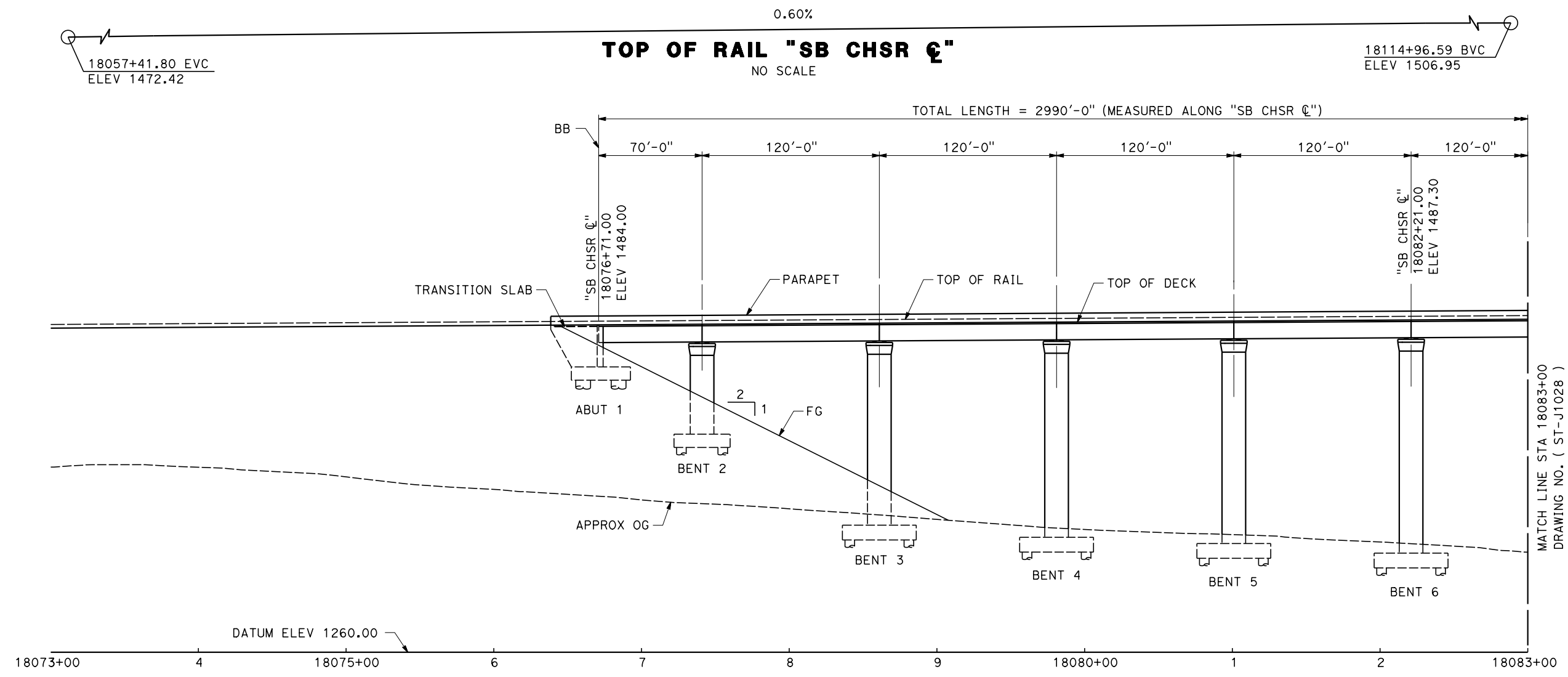
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HSR 13-44  
DRAWING NO.  
ST-J1026  
SCALE  
AS SHOWN  
SHEET NO.  
47

Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1027

3:13:01 AM

1/21/2021

ics\_user\_17609



**PLAN**  
SCALE 1"= 40'

MATCH LINE STA 18083+00  
DRAWING NO. ( ST-J1028 )

MATCH LINE STA 18083+00  
DRAWING NO. ( ST-J1028 )

REV	DATE	BY	CHK	APP	DESCRIPTION

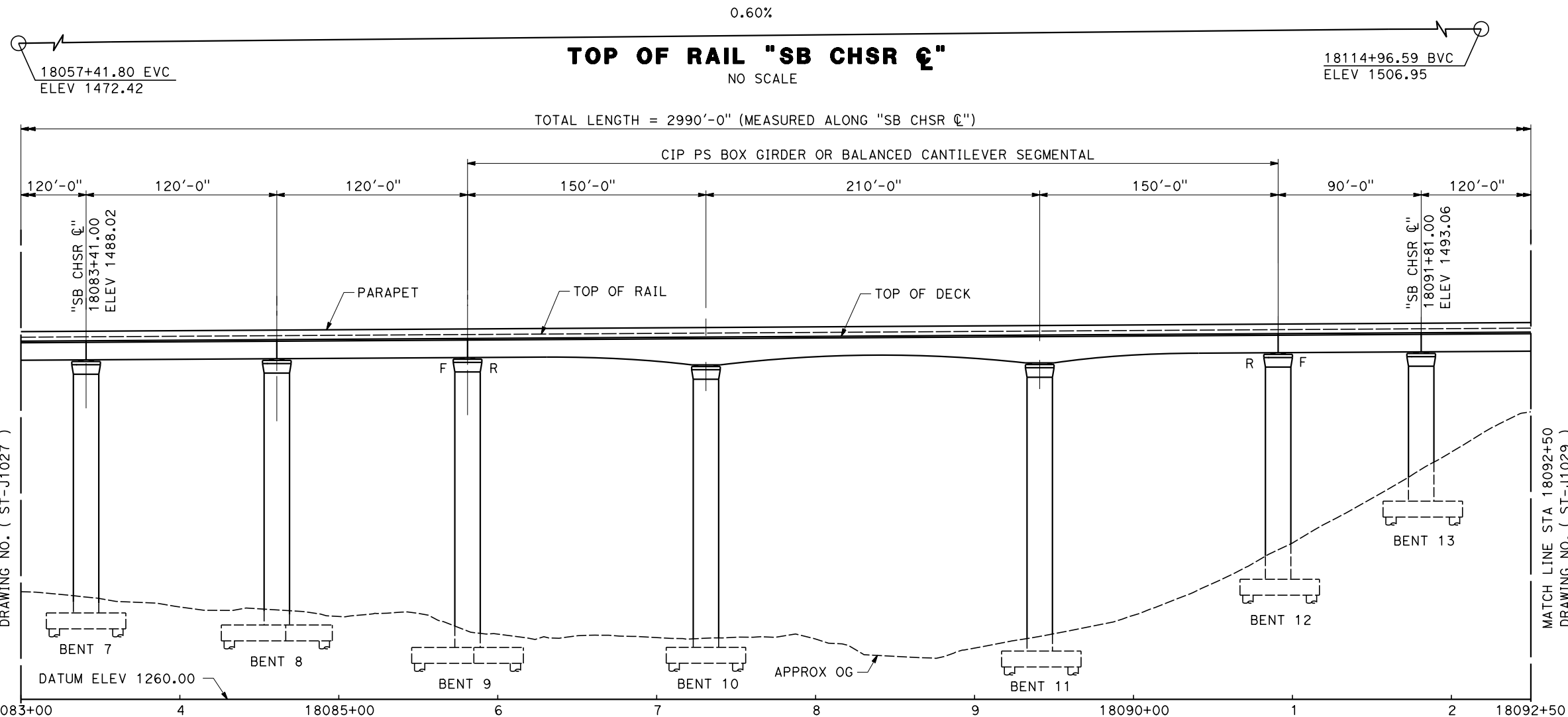
DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



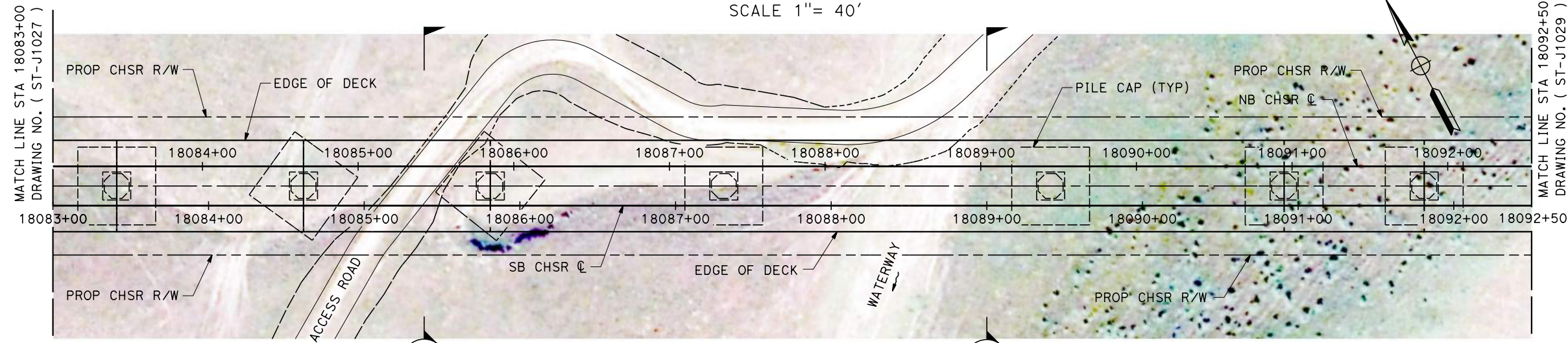
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18076+71 TO 18106+61  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1027  
SCALE:  
AS SHOWN  
SHEET NO.  
48



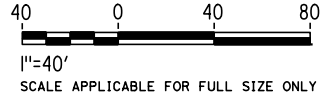
**PROFILE**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1028  
3:12:20 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18076+71 TO 18106+61  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1028  
SCALE  
AS SHOWN  
SHEET NO.  
49

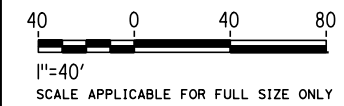
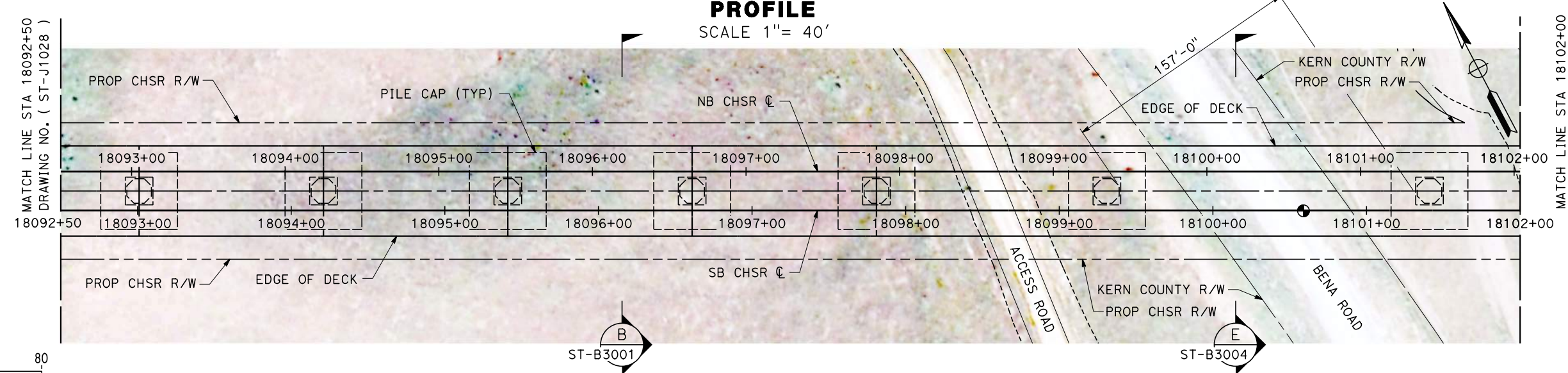
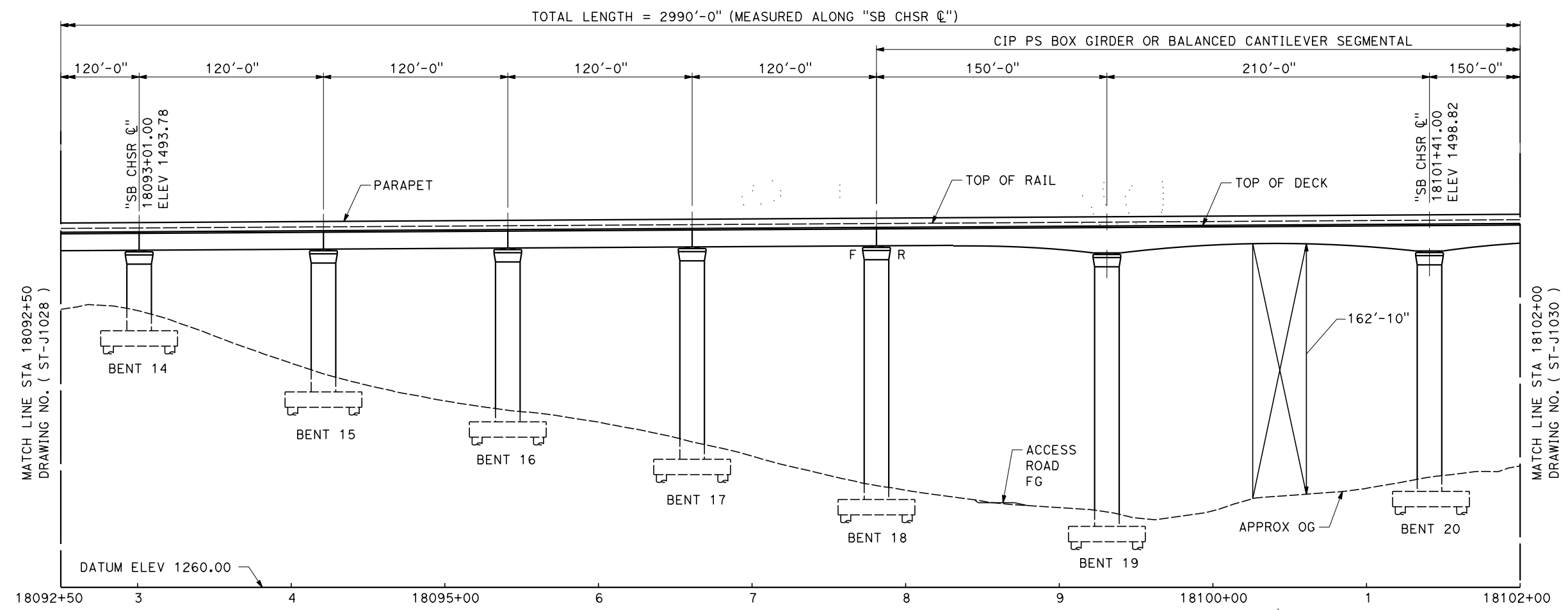


0.60%

**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE

18057+41.80 EVC  
ELEV 1472.42

18114+96.59 BVC  
ELEV 1506.95



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1029  
3:14:42 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



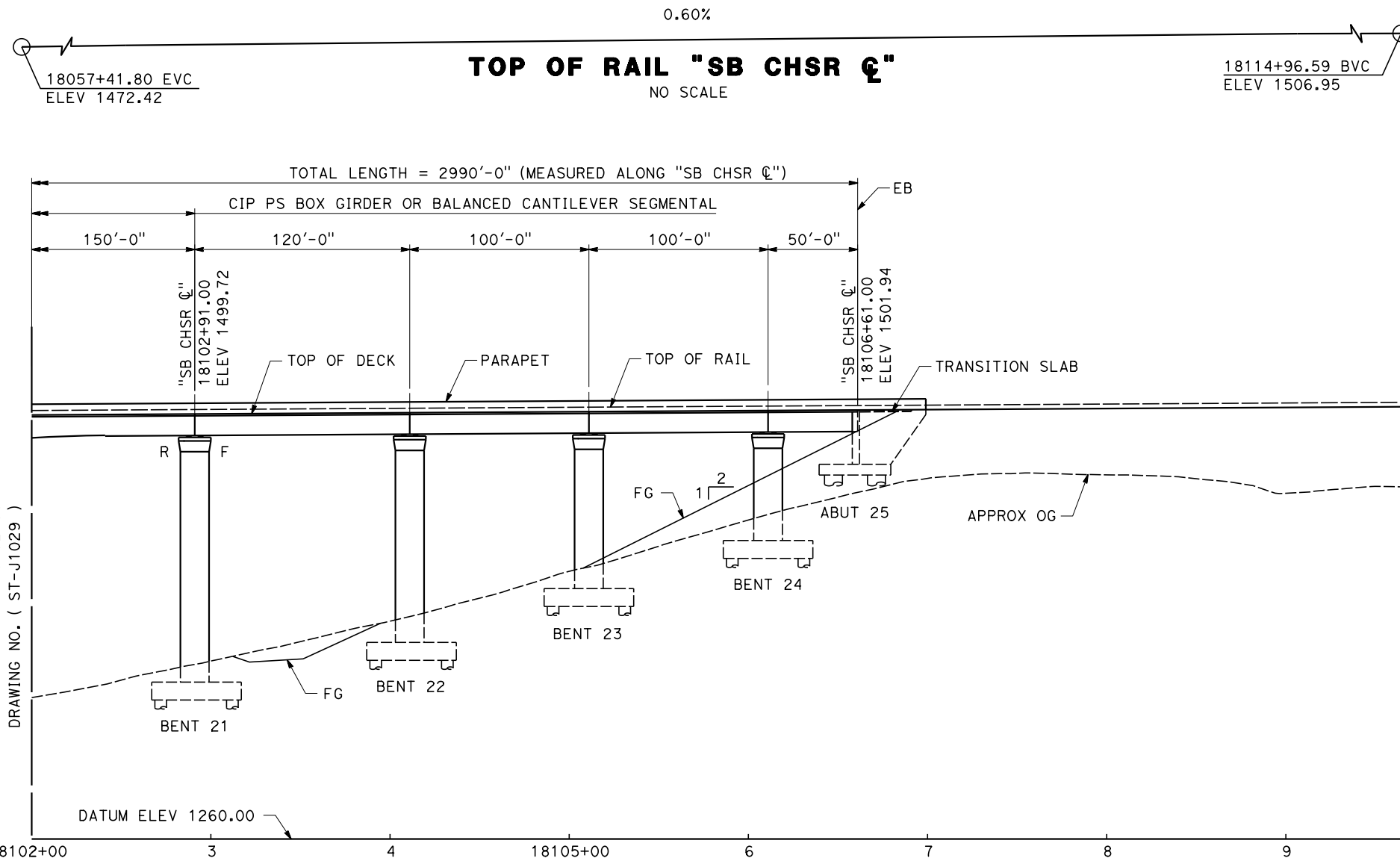
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18076+71 TO 18106+61  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

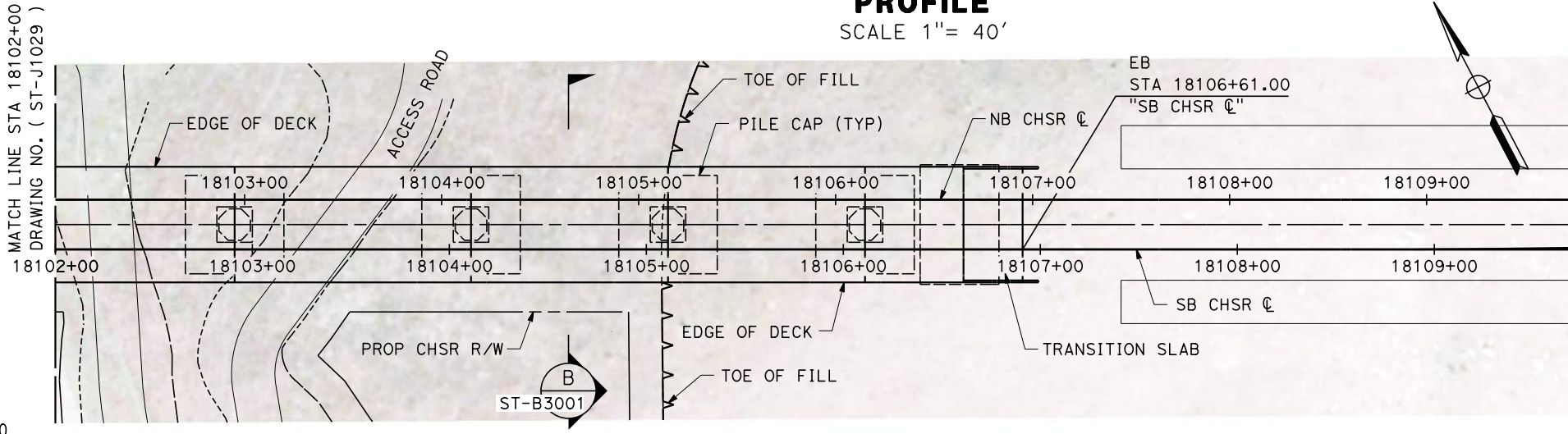
DRAWING NO.  
ST-J1029

SCALE  
AS SHOWN

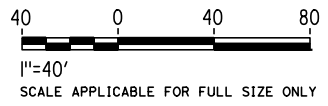
SHEET NO.  
50



**PROFILE**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1030  
1/21/2021 3:15:04 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18076+71 TO 18106+61  
PLAN AND ELEVATION

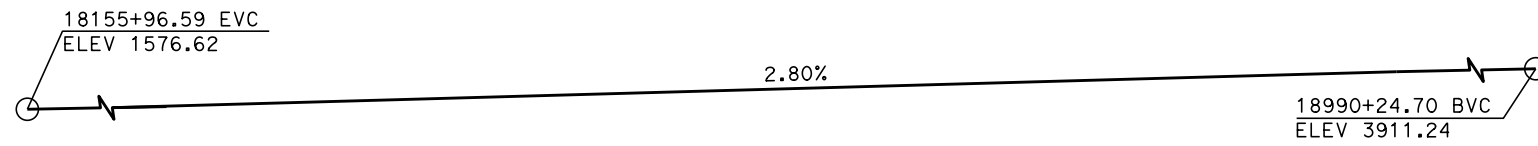
CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1030  
SCALE  
AS SHOWN  
SHEET NO.  
51

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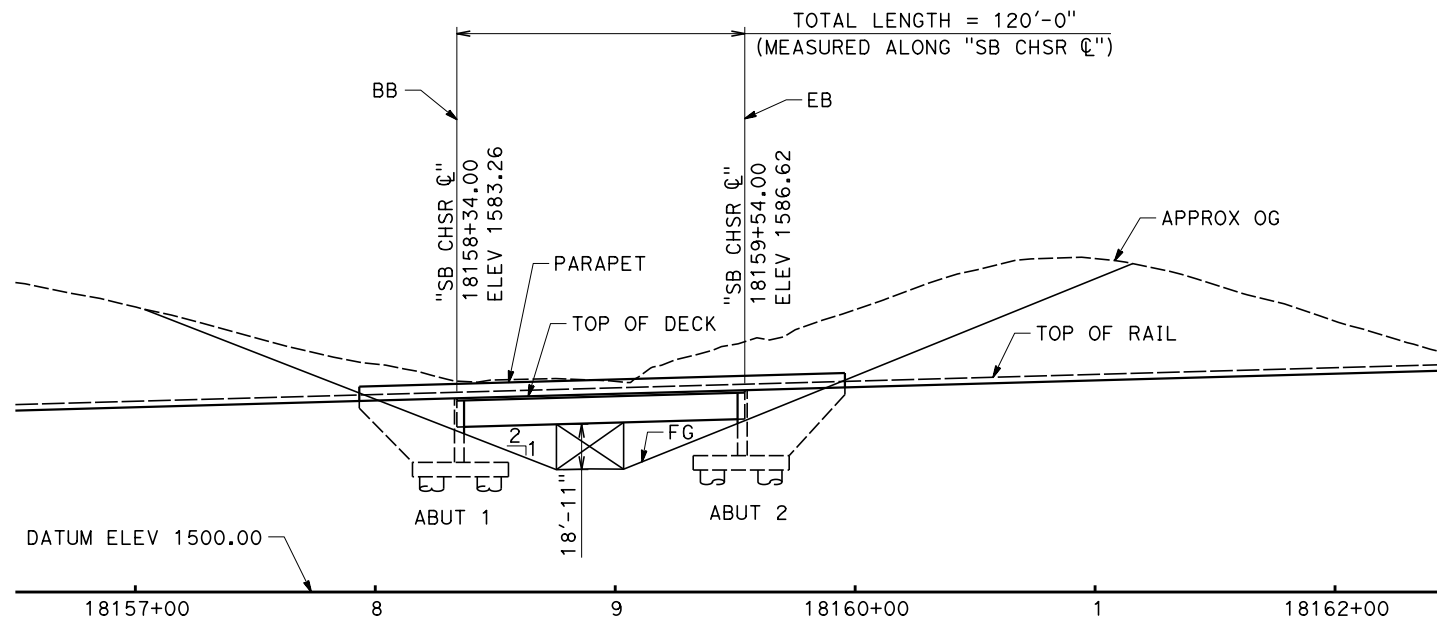
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1/21/2021

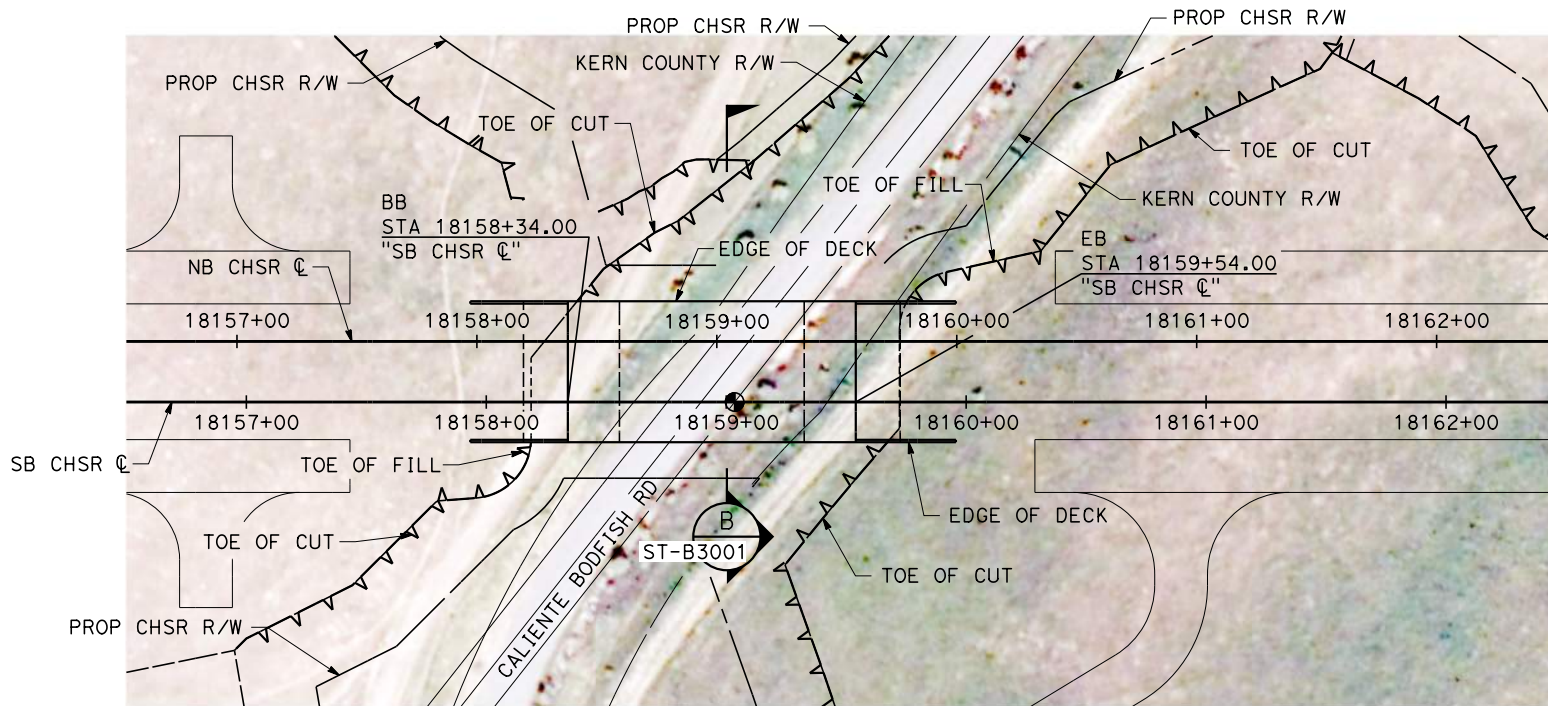
ics\_user\_17609



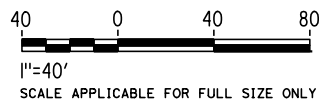
**TOP OF RAIL "SB CHSR ☐"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



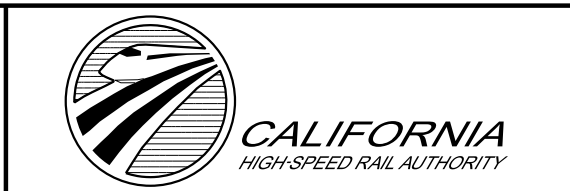
1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
CALIENTE BODFISH ROAD UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1031  
SCALE  
AS SHOWN  
SHEET NO.  
52



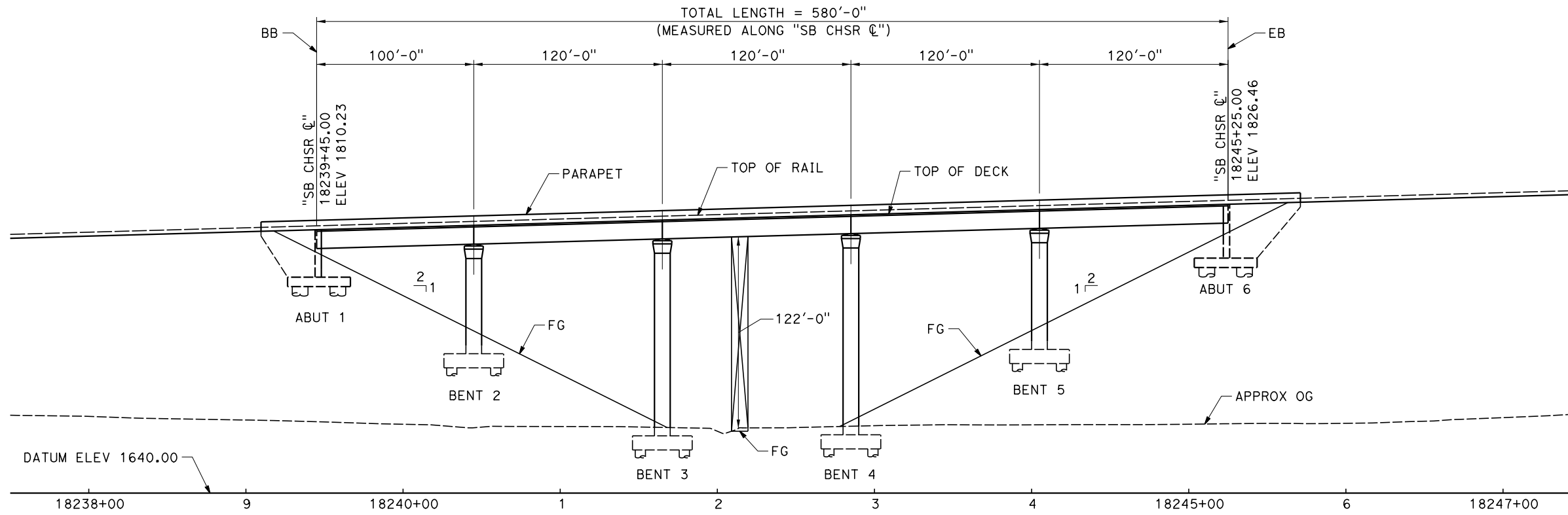
18155+96.59 EVC  
ELEV 1576.62

+2.80%

18990+24.70 BVC  
ELEV 3911.24

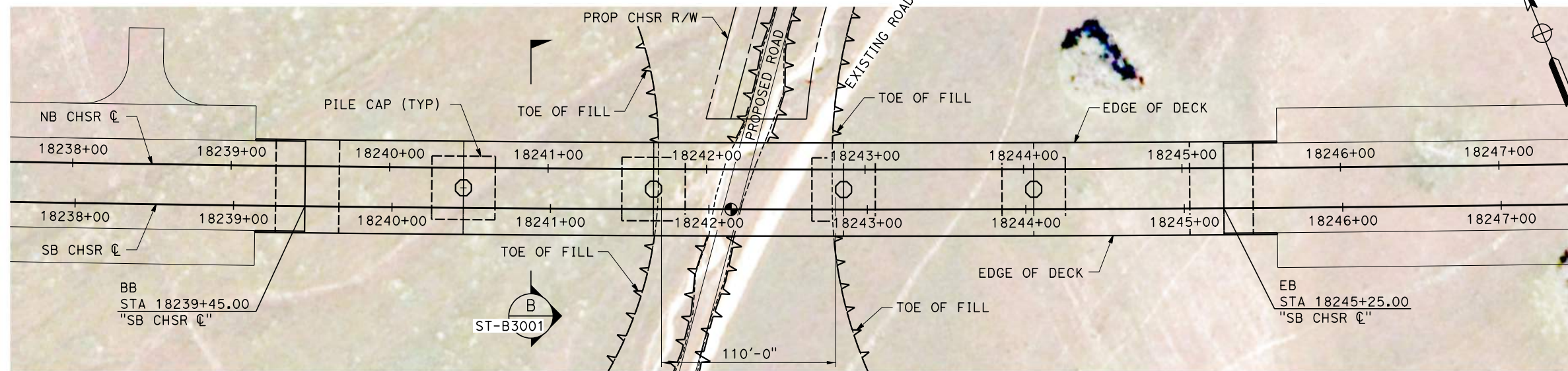
**TOP OF RAIL "SB CHSR C"**

NO SCALE



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**TYLIN INTERNATIONAL**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
UNDERPASS STATION 18239+45 TO 18245+25  
PLAN AND ELEVATION

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**ST-J1032**  
SCALE  
**AS SHOWN**  
SHEET NO.  
**53**

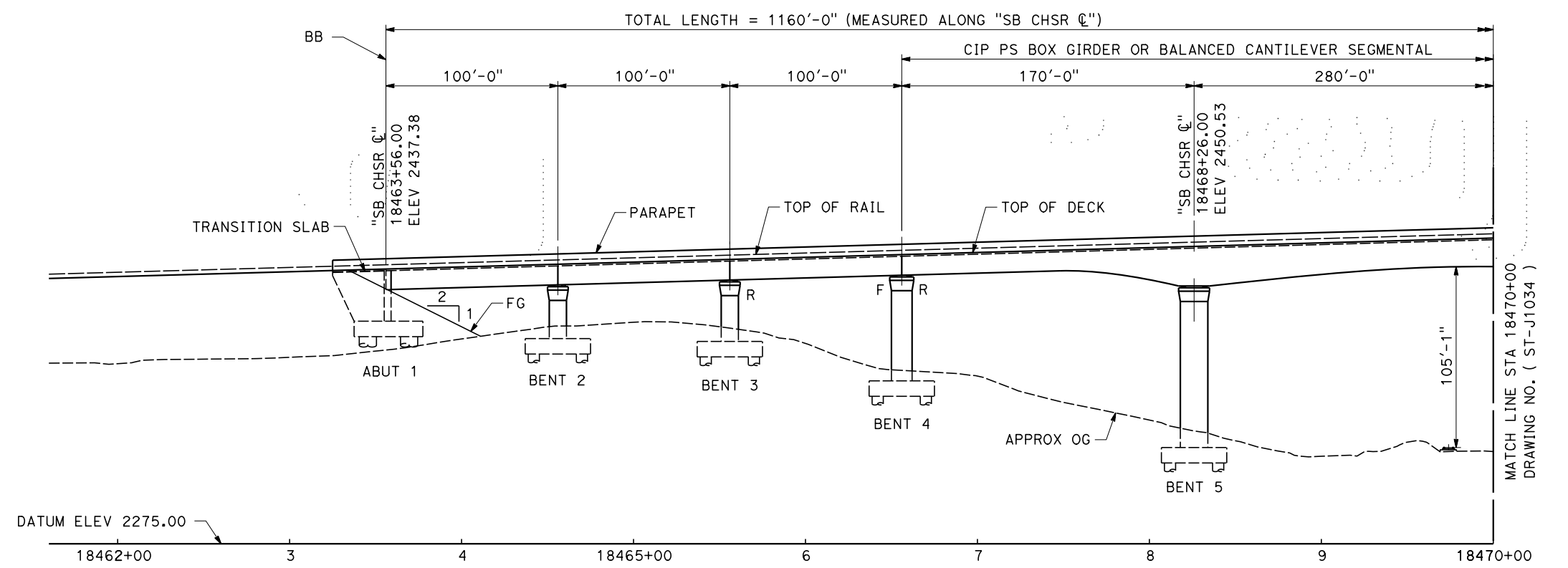
Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1032 1/21/2021 3:13:56 AM jcs\_user\_17609

18155+96.59 EVC  
ELEV 1576.62

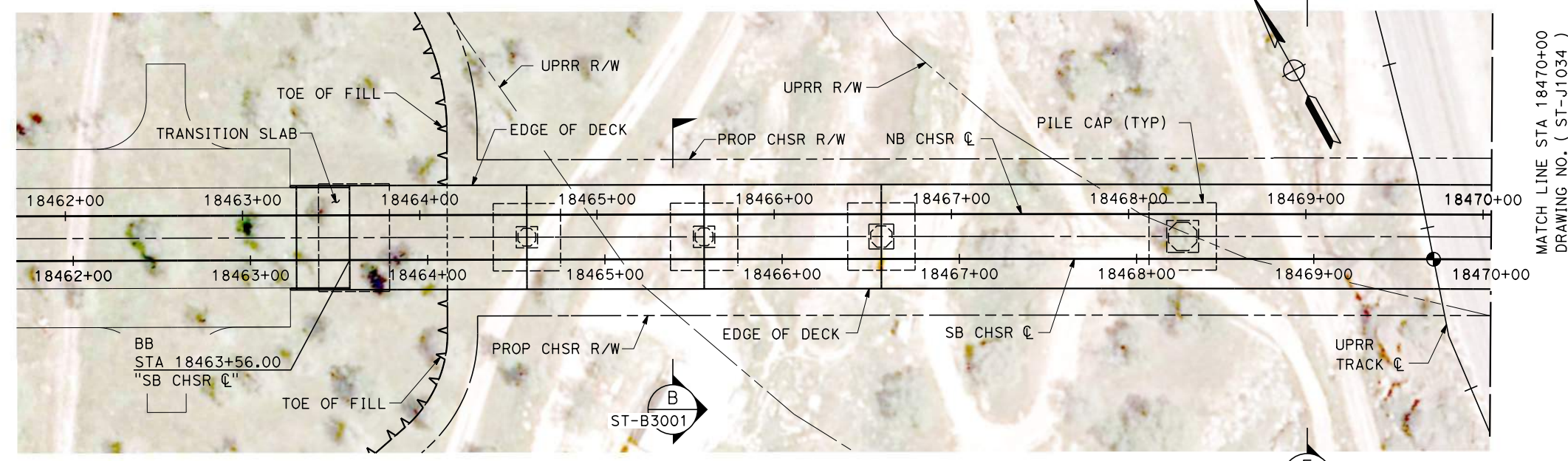
2.80%

**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE

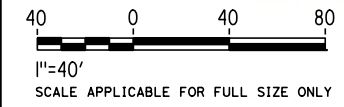
18990+24.70 BVC  
ELEV 3911.24



**PROFILE**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1033

1/21/2021 3:13:23 AM

ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18463+56 TO 18475+16  
PLAN AND ELEVATION

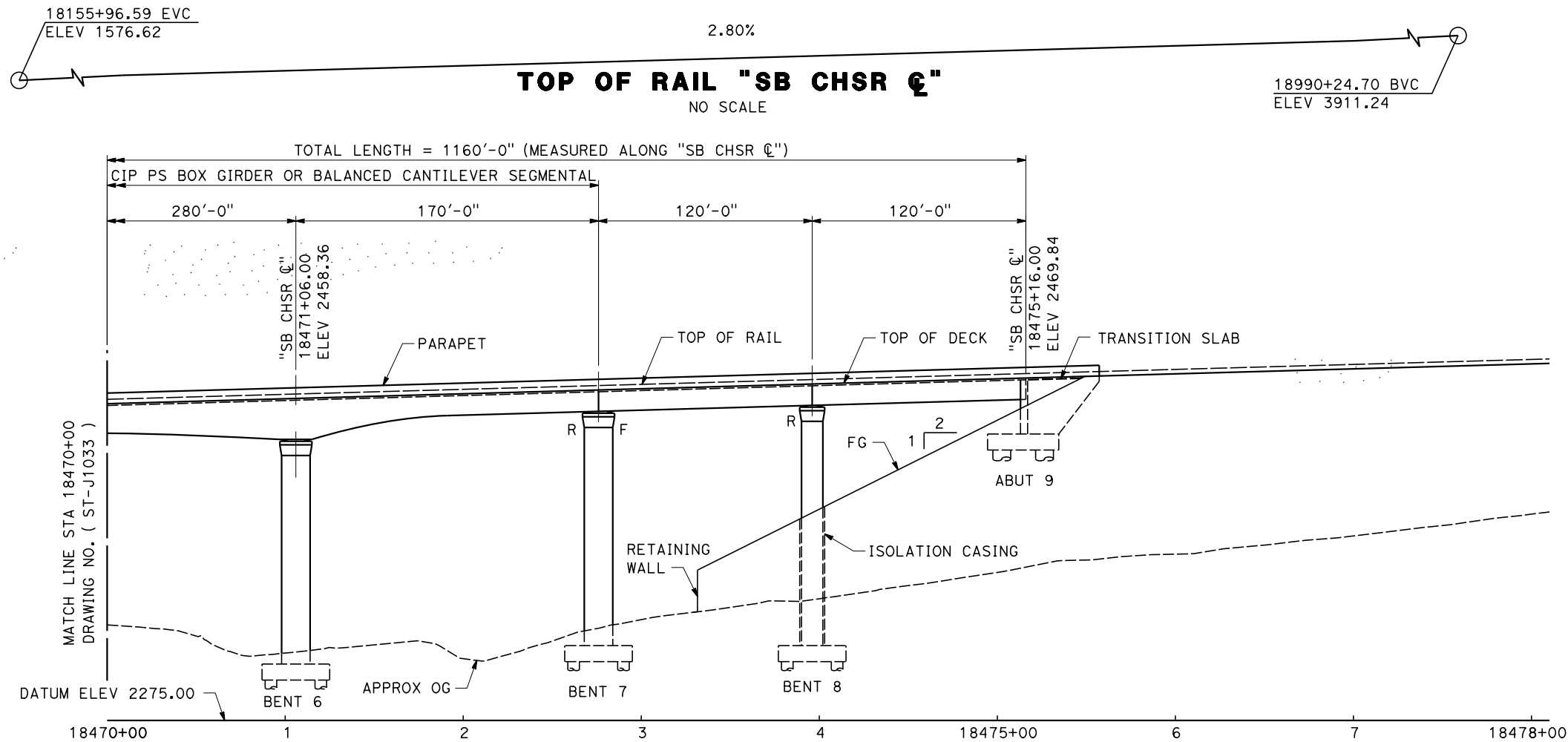
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HSR 13-44

DRAWING NO.  
ST-J1033

SCALE  
AS SHOWN

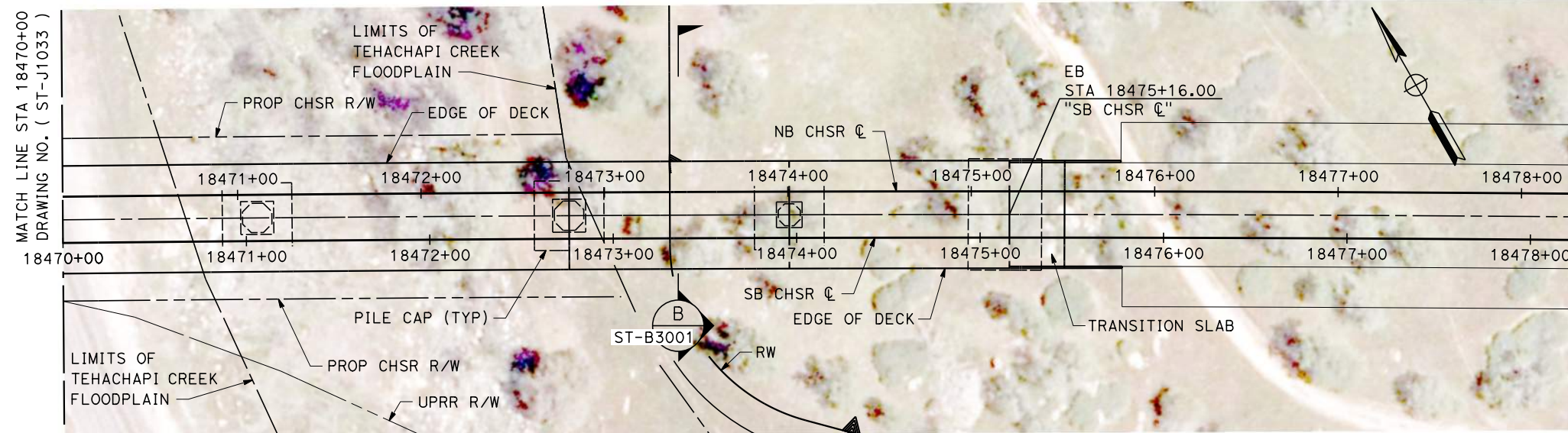
SHEET NO.  
54





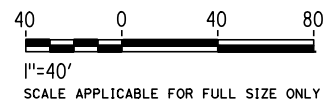
**PROFILE**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

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**

ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18463+56 TO 18475+16  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44

DRAWING NO.  
ST-J1034

SCALE  
AS SHOWN

SHEET NO.  
55

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1034

3:12:39 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION



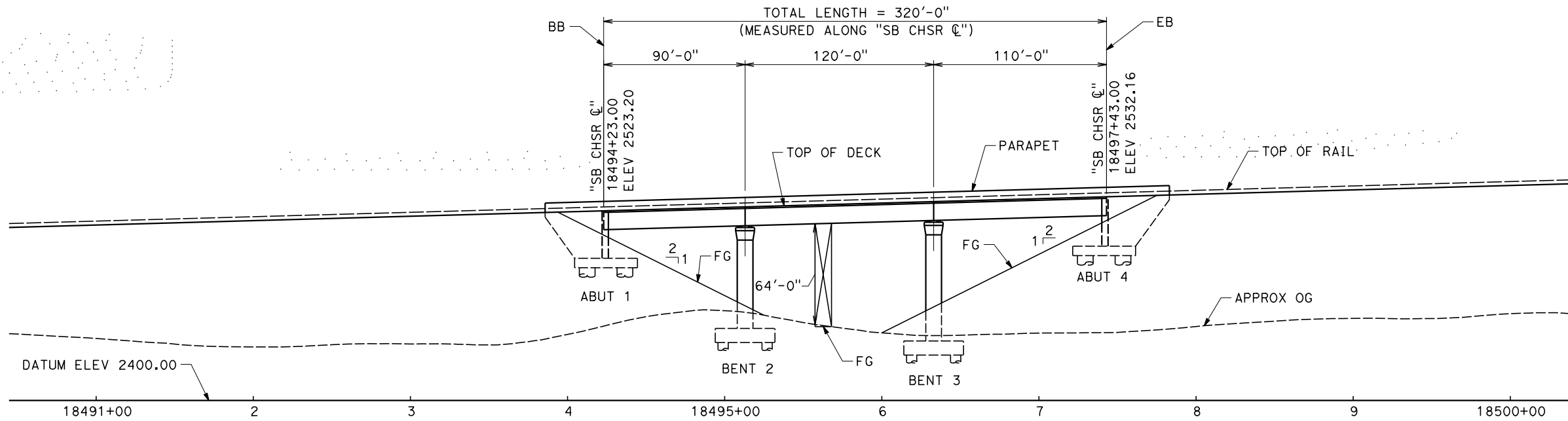
18155+96.59 EVC  
ELEV 1576.62

+2.80%

18990+24.70 BVC  
ELEV 3911.24

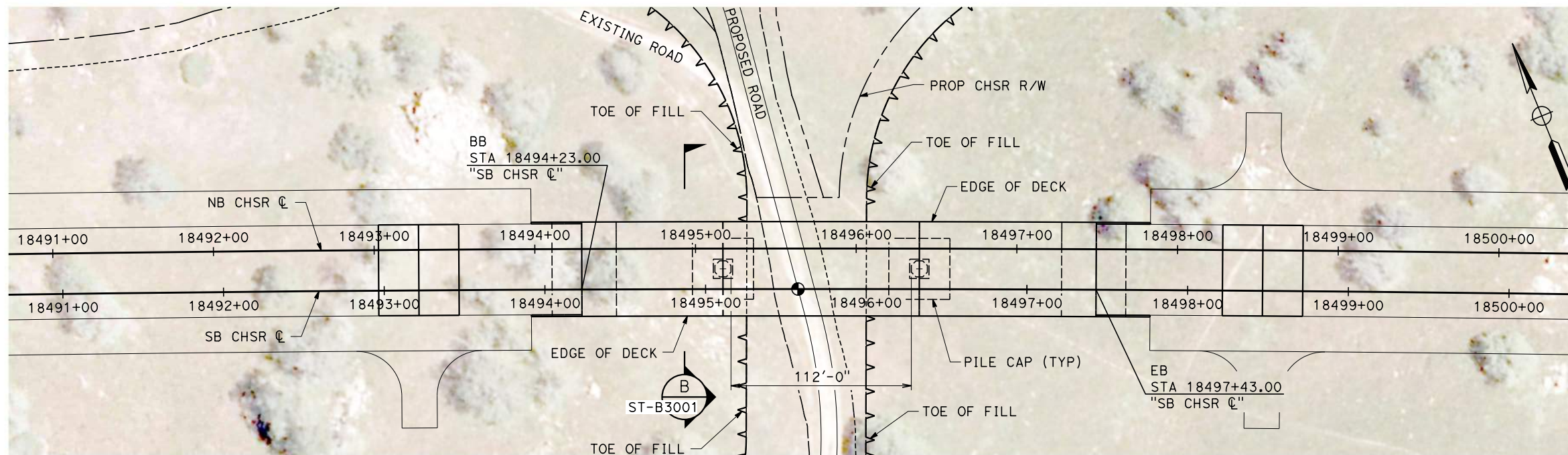
**TOP OF RAIL "SB CHSR C"**

NO SCALE



**ELEVATION**

SCALE 1"= 40'



**PLAN**

SCALE 1"= 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1035

3:12:56 AM

1/21/2021

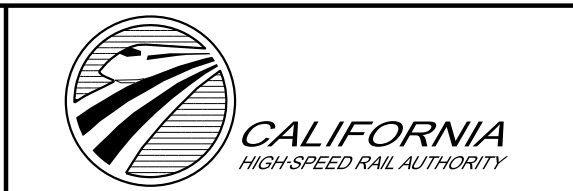
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
UNDERPASS STATION 18494+23 TO 18497+43  
PLAN AND ELEVATION

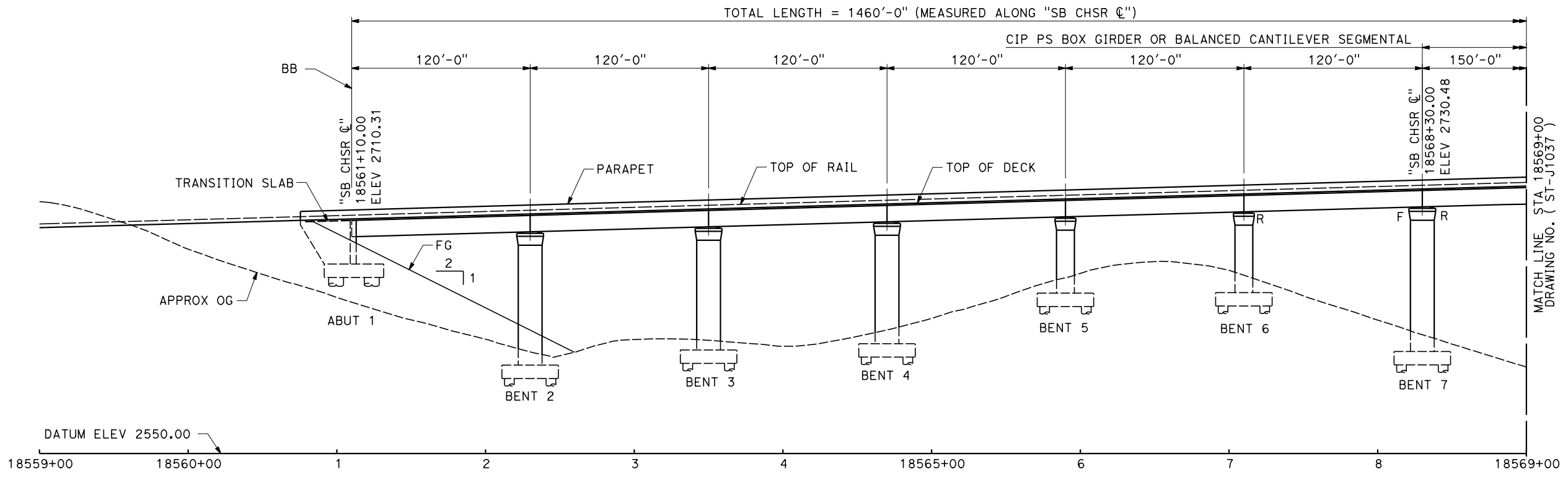
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HSR13-44  
DRAWING NO.  
ST-J1035  
SCALE  
AS SHOWN  
SHEET NO.  
56

18155+96.59 EVC  
ELEV 1576.62

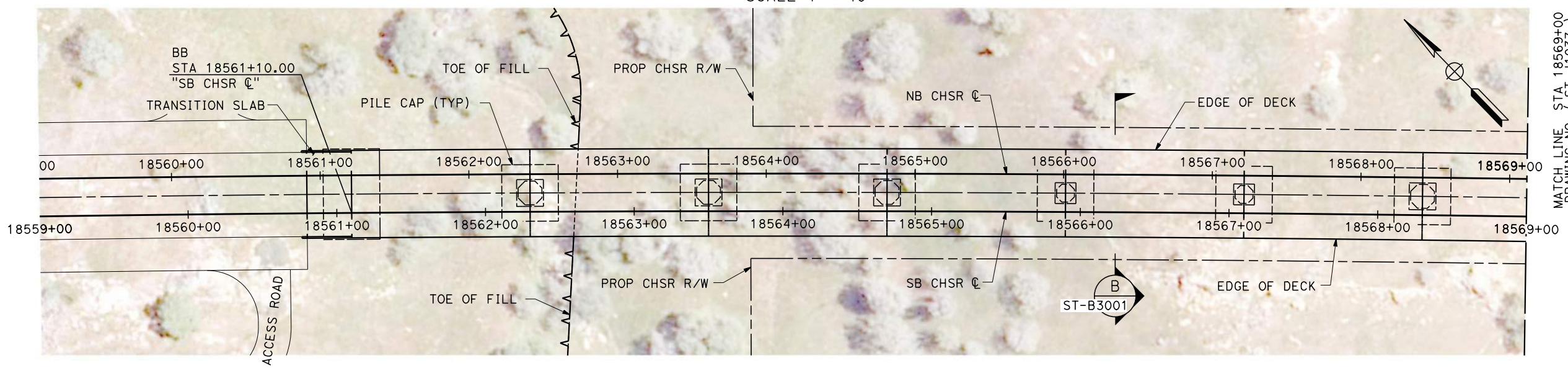
+2.80%

**TOP OF RAIL "SB CHSR C"**  
NO SCALE

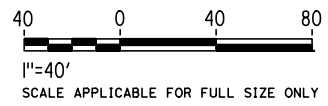
18990+24.70 BVC  
ELEV 3911.24



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1036

3:12:30 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18561+10 TO 18575+70  
PLAN AND ELEVATION

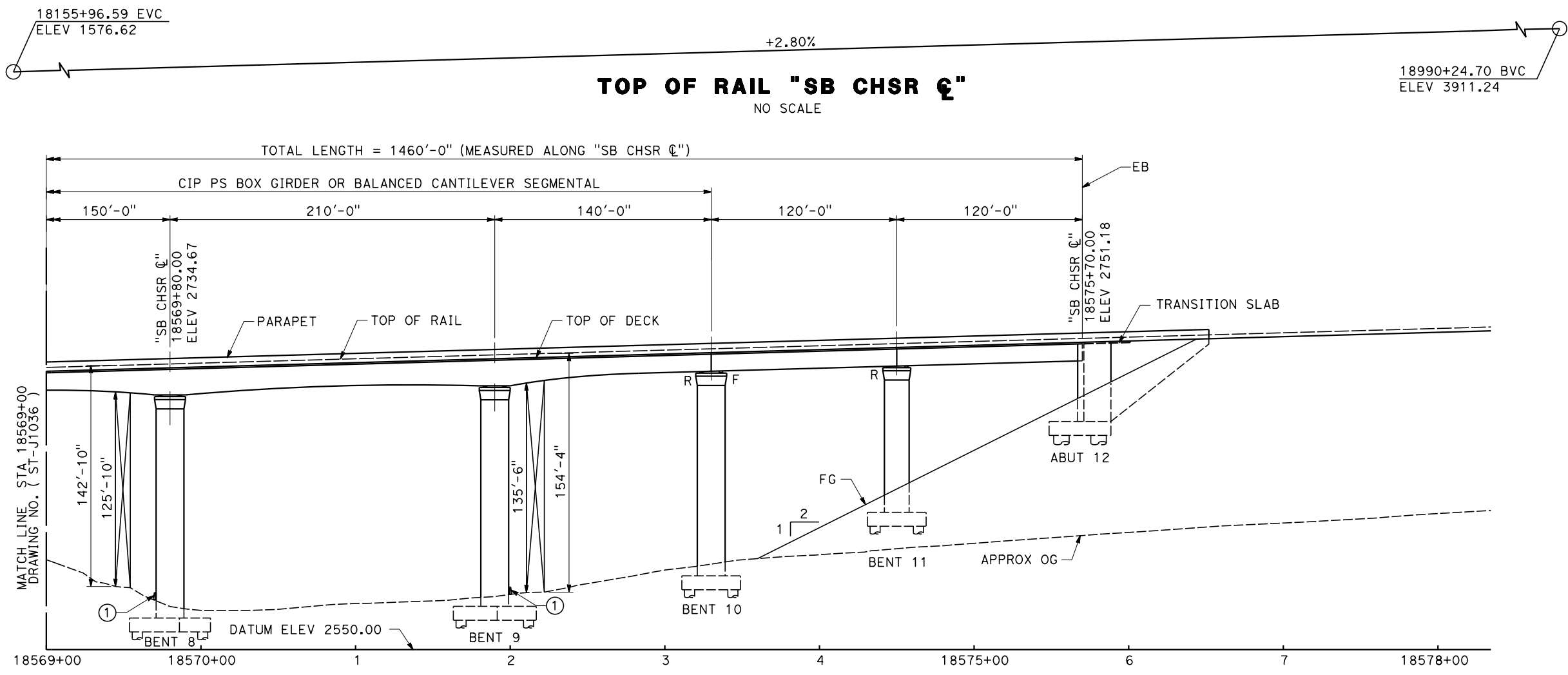
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DRAWING NO.  
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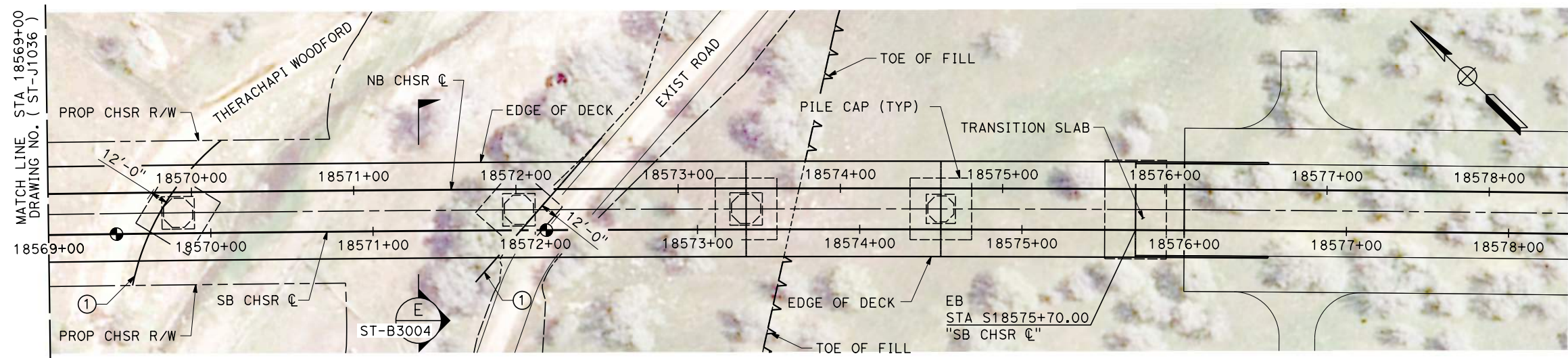
SCALE  
AS SHOWN

SHEET NO.  
57





**ELEVATION**  
SCALE 1" = 40'

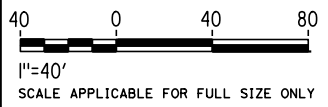


**PLAN**  
SCALE 1" = 40'

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1037

1/21/2021 3:14:14 AM

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18561+10 TO 18575+70  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1037

SCALE  
AS SHOWN

SHEET NO.  
58



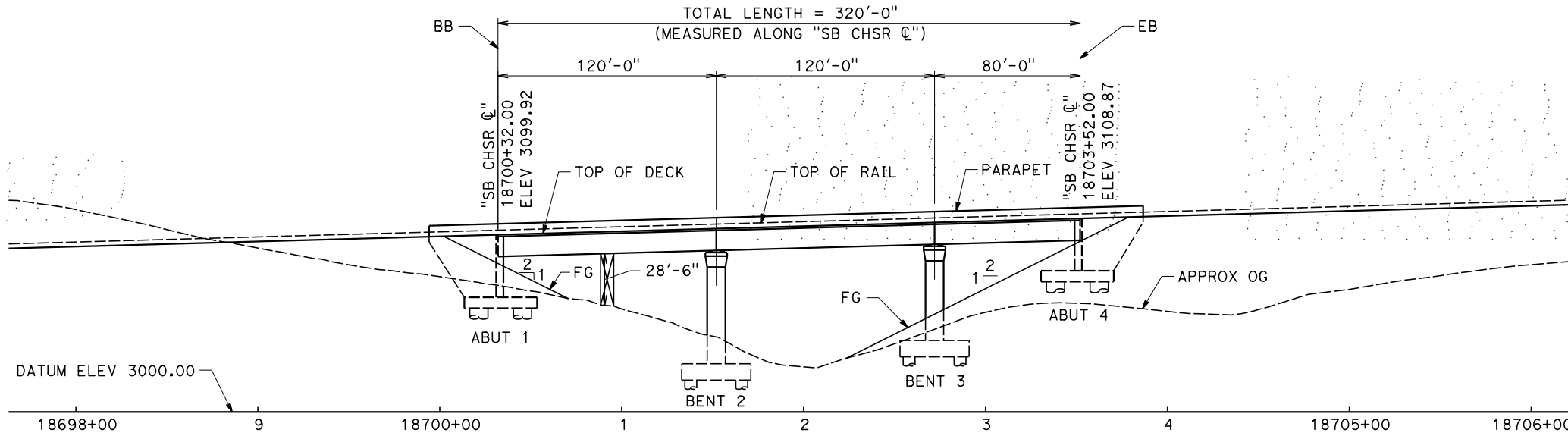
18155+96.59 EVC  
ELEV 1576.62

+2.80%

18990+24.70 BVC  
ELEV 3911.24

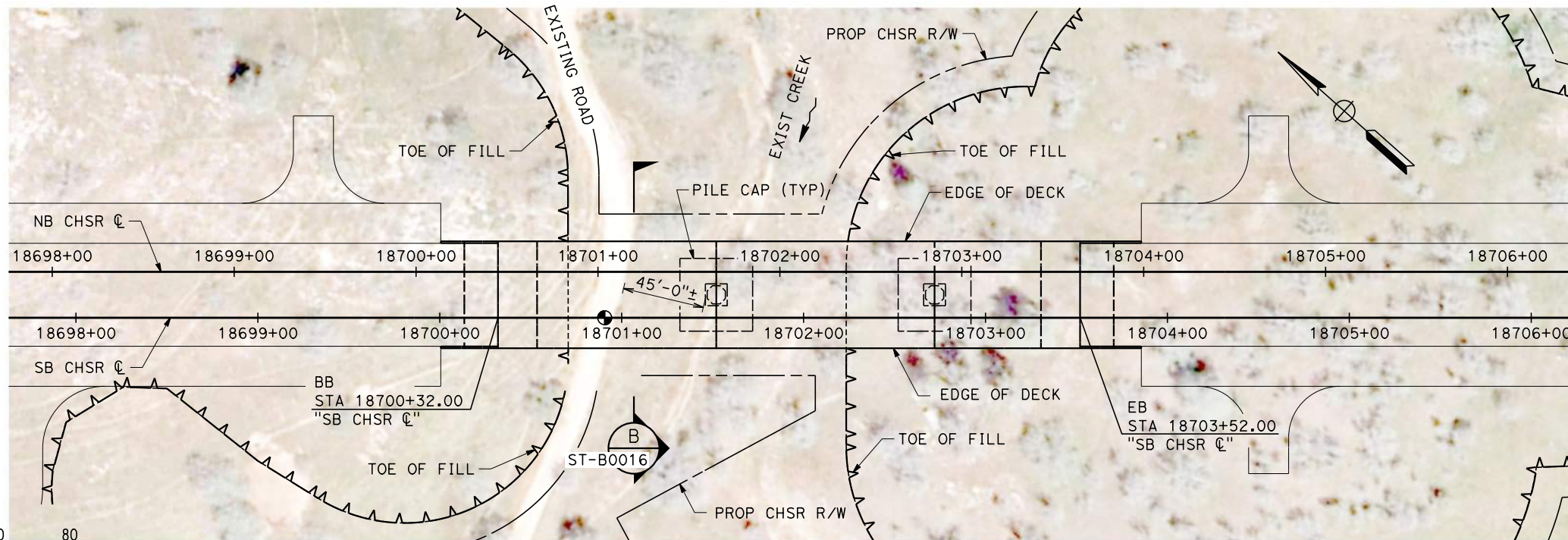
**TOP OF RAIL "SB CHSR ☉"**

NO SCALE



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST-BP-ST-J1038

3:15:02 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
UNDERPASS STATION 18700+32 TO 18703+52  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1038

SCALE  
AS SHOWN

SHEET NO.  
59

18155+96.59 EVC  
ELEV 1576.62

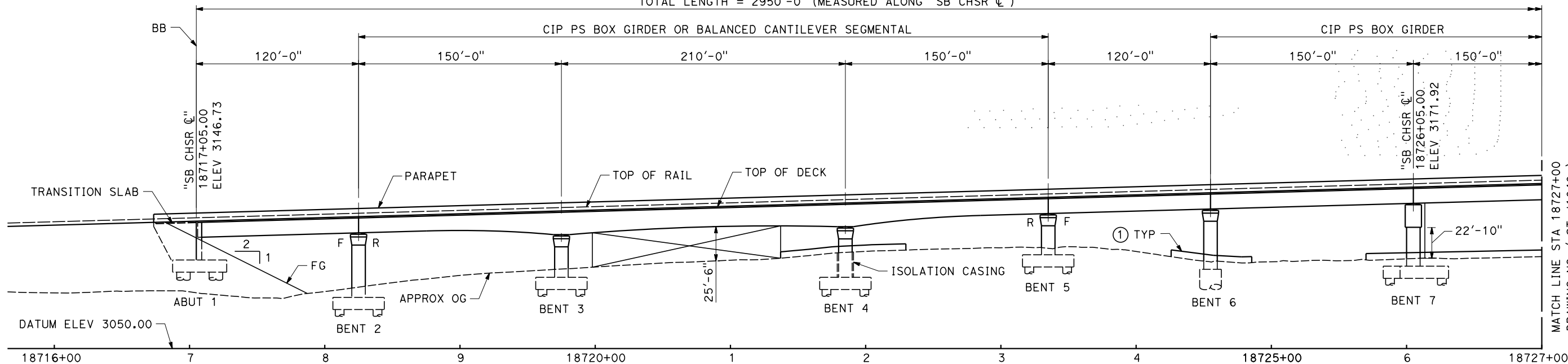
2.80%

**TOP OF RAIL "SB CHSR C"**

NO SCALE

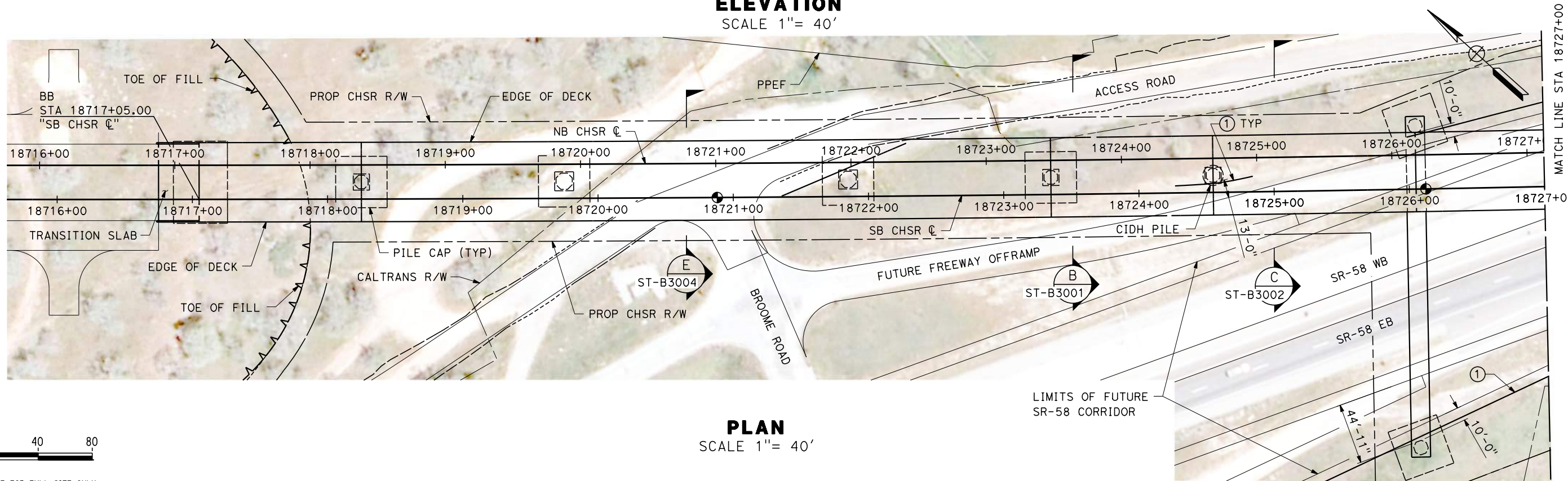
18990+24.70 BVC  
ELEV 3911.24

TOTAL LENGTH = 2950'-0" (MEASURED ALONG "SB CHSR C")



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1" = 40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1039

3:13:48 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18717+05 TO 18746+55  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1039  
SCALE  
AS SHOWN  
SHEET NO.  
60

MATCH LINE STA 18727+00  
DRAWING NO. ( ST-J1040 )

MATCH LINE STA 18727+00  
DRAWING NO. ( ST-J1040 )



18155+96.59 EVC  
ELEV 1576.62

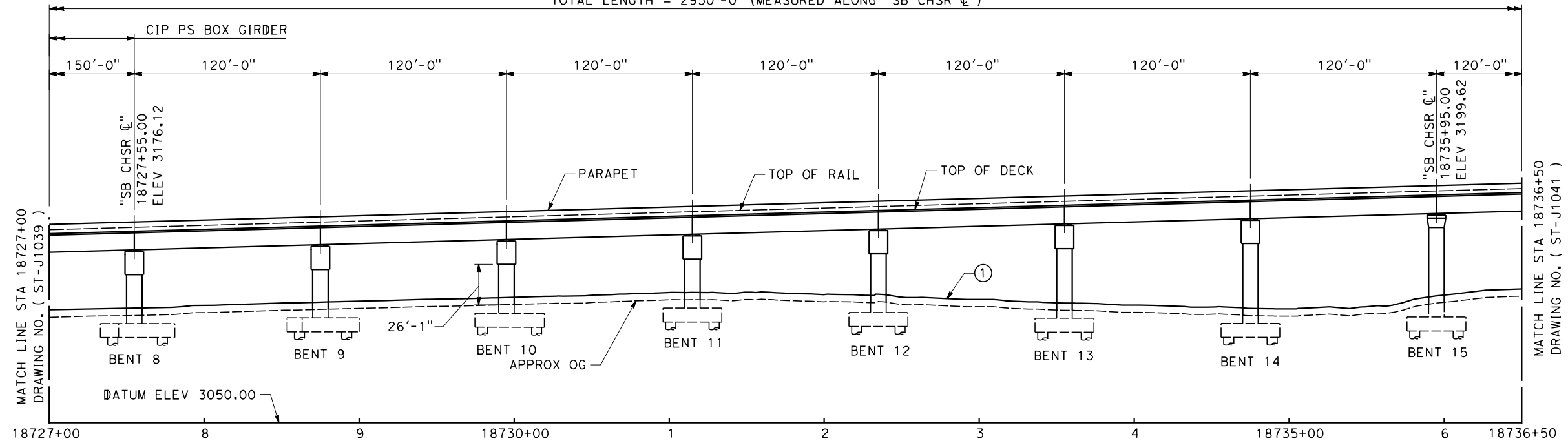
2.80%

18990+24.70 BVC  
ELEV 3911.24

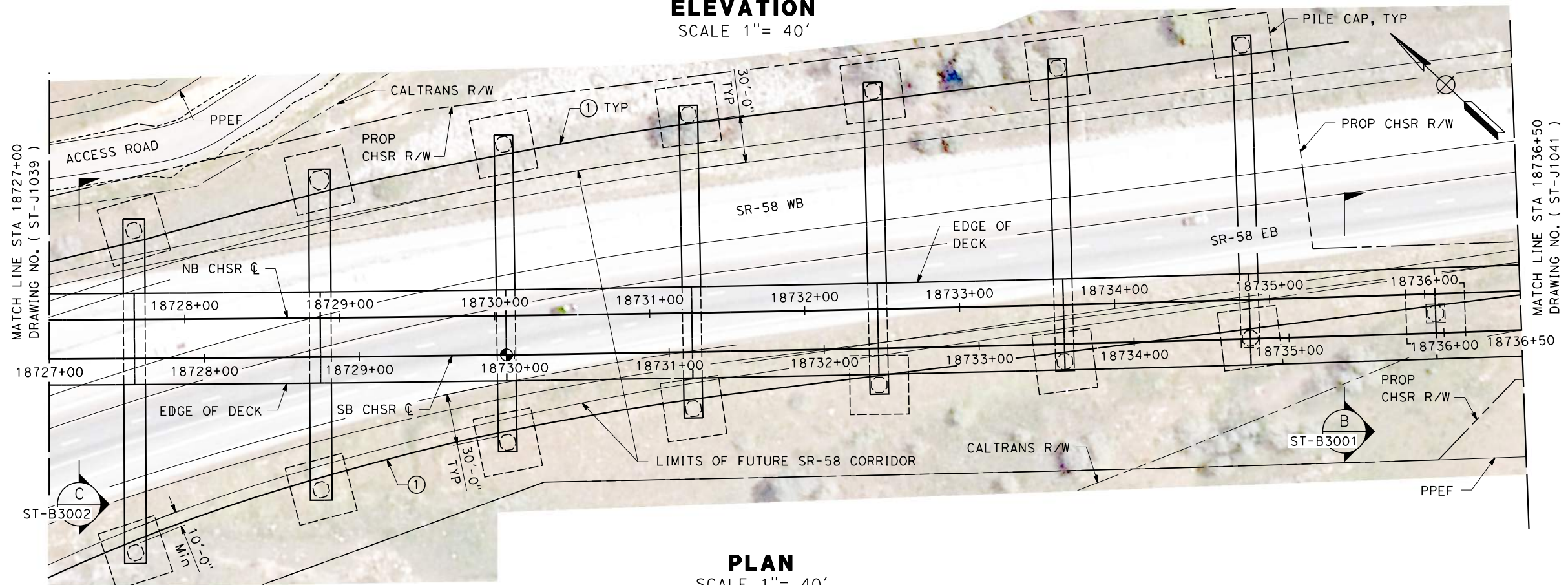
**TOP OF RAIL "SB CHSR C"**

NO SCALE

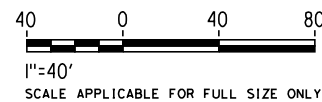
TOTAL LENGTH = 2950'-0" (MEASURED ALONG "SB CHSR C")



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



c:\bms\tylin\pw\jlm\meredit\hotylin.com\dms46863\BP-ST-J1040.dgn

10:04:50 AM

1/28/2021

meredit

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18717+05 TO 18746+55  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1040  
SCALE  
AS SHOWN  
SHEET NO.  
61



18155+96.59 EVC  
ELEV 1576.62

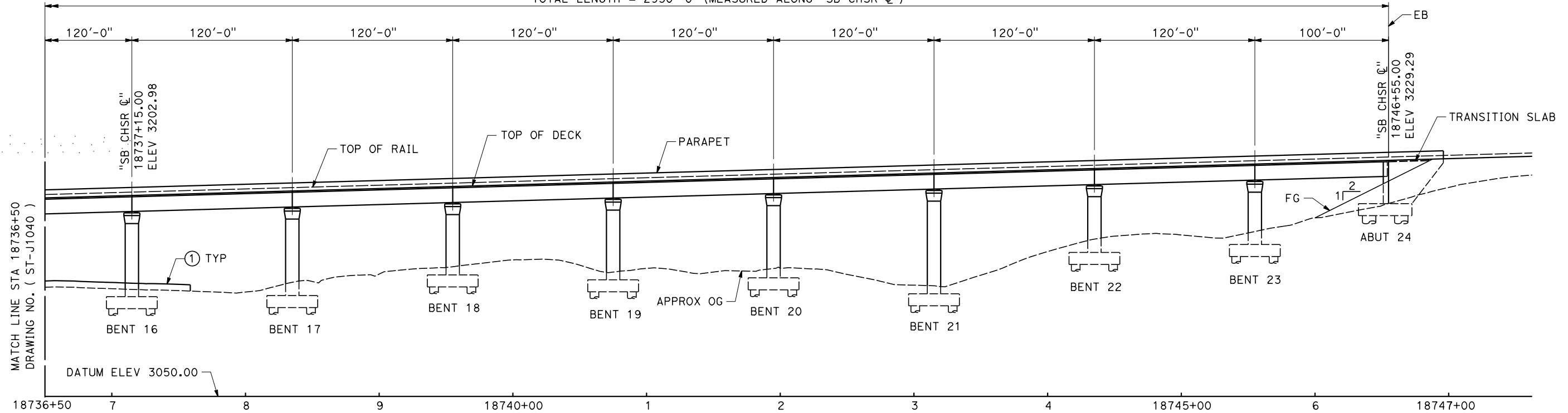
+2.80%

18990+24.70 BVC  
ELEV 3911.24

**TOP OF RAIL "SB CHSR C"**

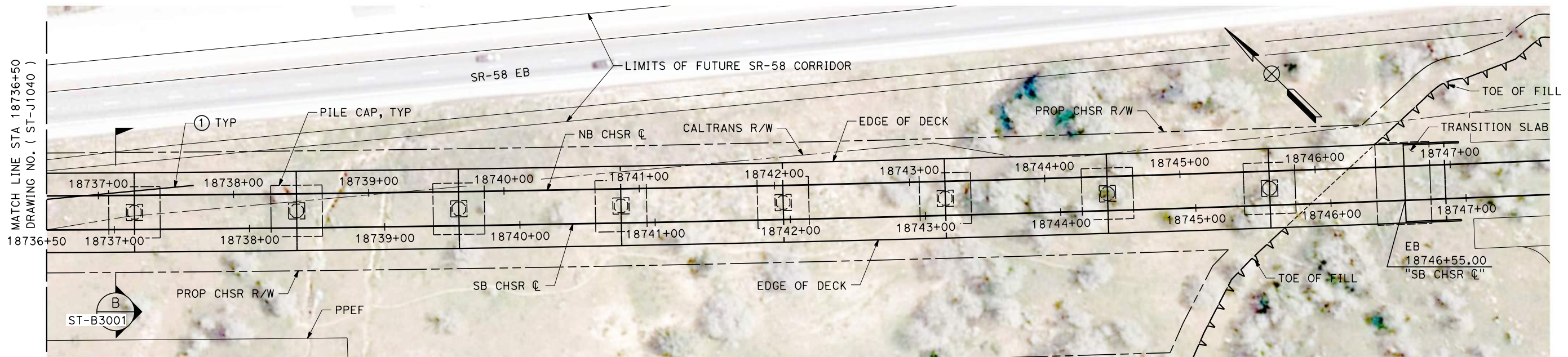
NO SCALE

TOTAL LENGTH = 2950'-0" (MEASURED ALONG "SB CHSR C")



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1041 1/21/2021 3:14:33 AM i\_cs\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18717+05 TO 18746+55  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1041

SCALE  
AS SHOWN

SHEET NO.  
62

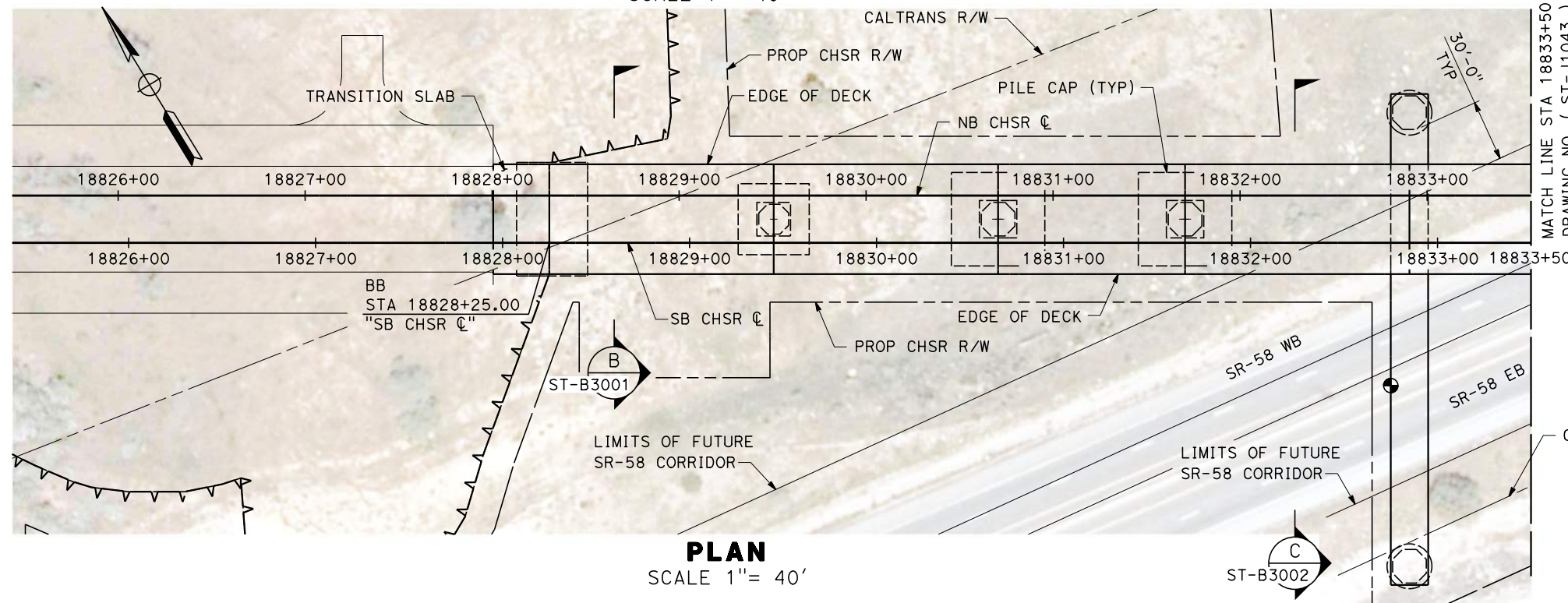
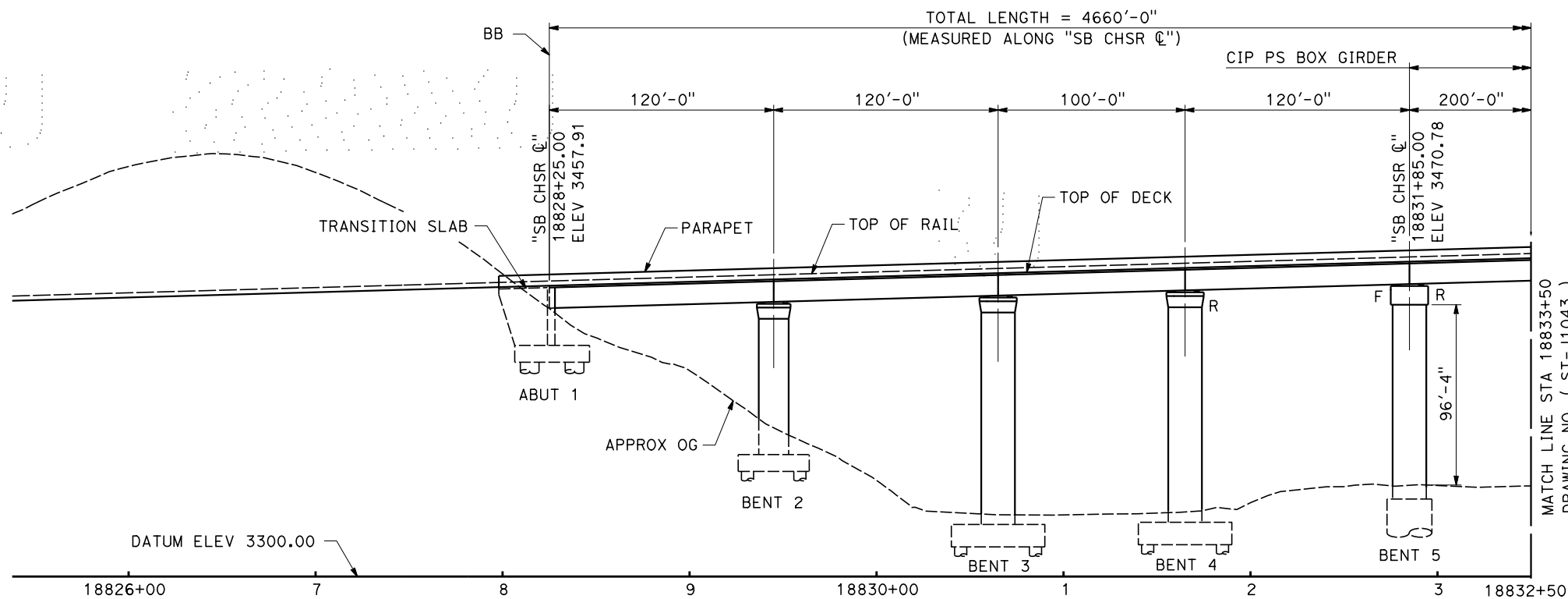
18155+96.59 EVC  
ELEV 1576.62

+2.80%

18990+24.70 BVC  
ELEV 3911.24

**TOP OF RAIL "SB CHSR ☉"**

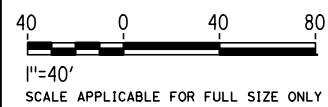
NO SCALE



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1042

1/21/2021 3:13:21 AM

ics\_user\_17609



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18828+25 TO 18874+85  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1042  
SCALE  
AS SHOWN  
SHEET NO.  
63



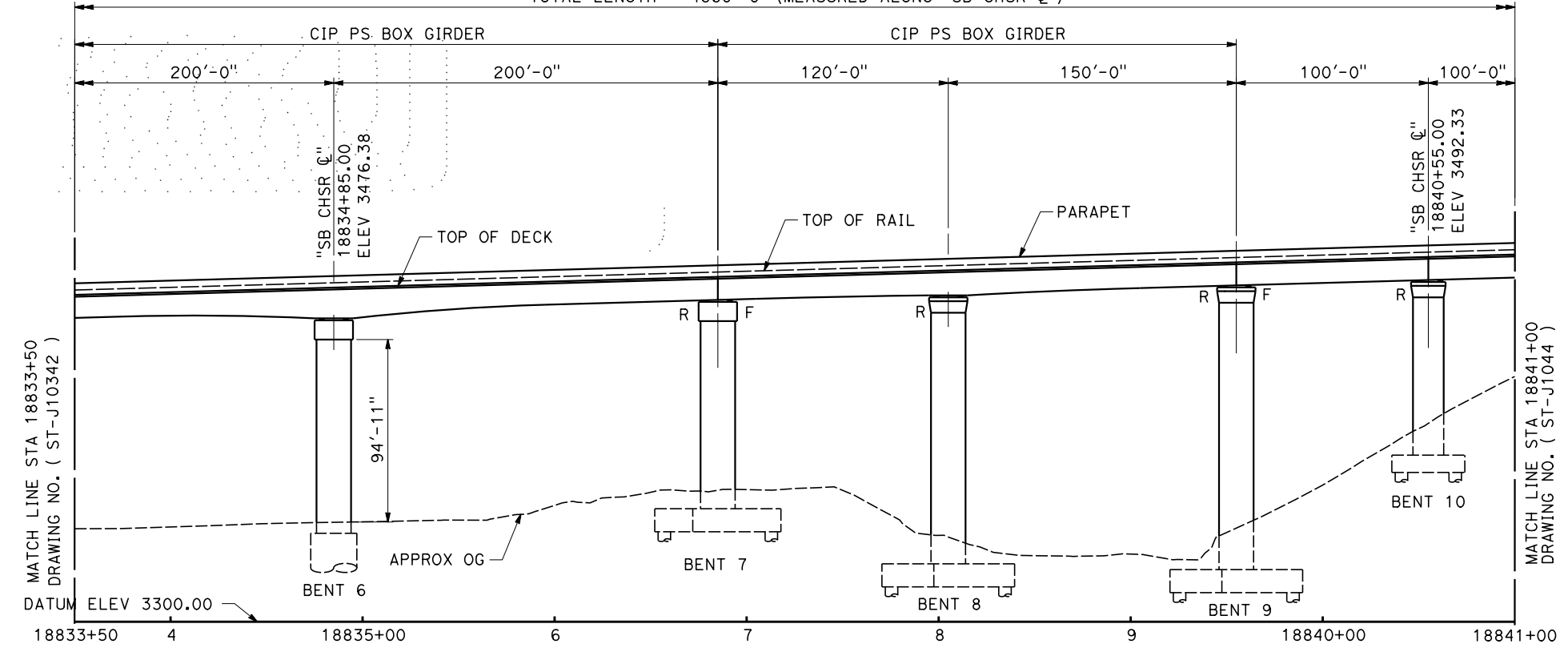
18155+96.59 EVC  
ELEV 1576.62

+2.80%

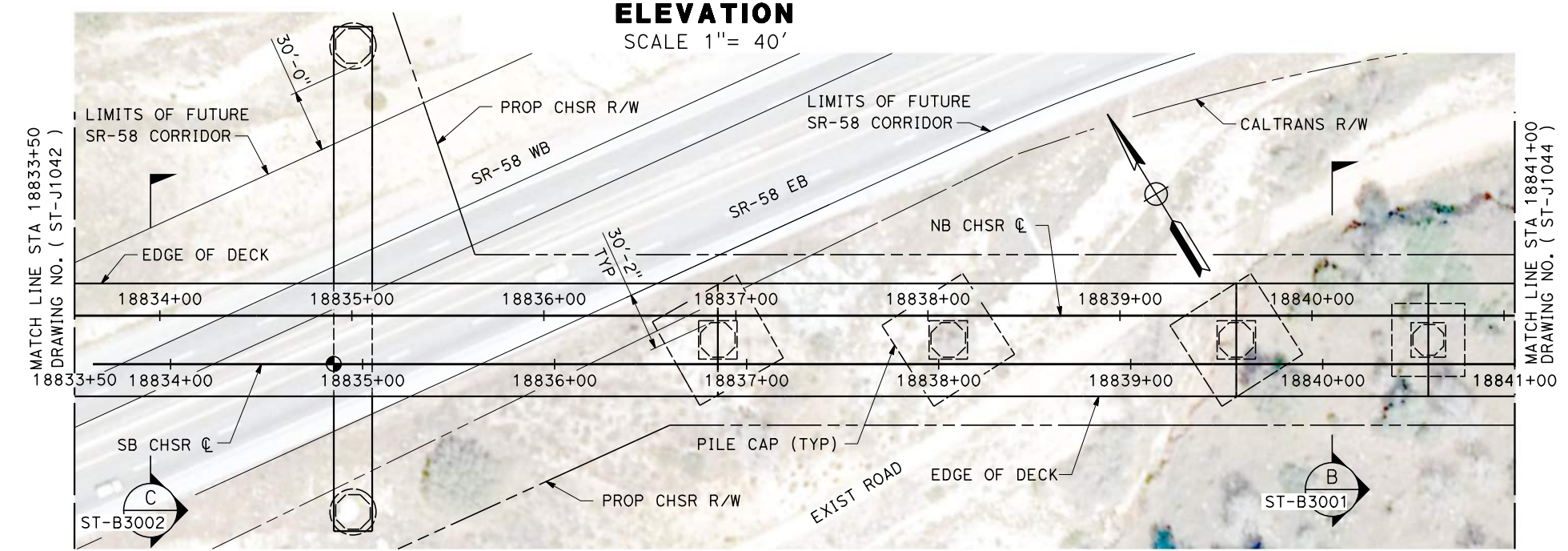
18990+24.70 BVC  
ELEV 3911.24

**TOP OF RAIL "SB CHSR C"**  
NO SCALE

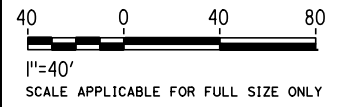
TOTAL LENGTH = 4660'-0" (MEASURED ALONG "SB CHSR C")



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1043  
1/21/2021 3:12:49 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

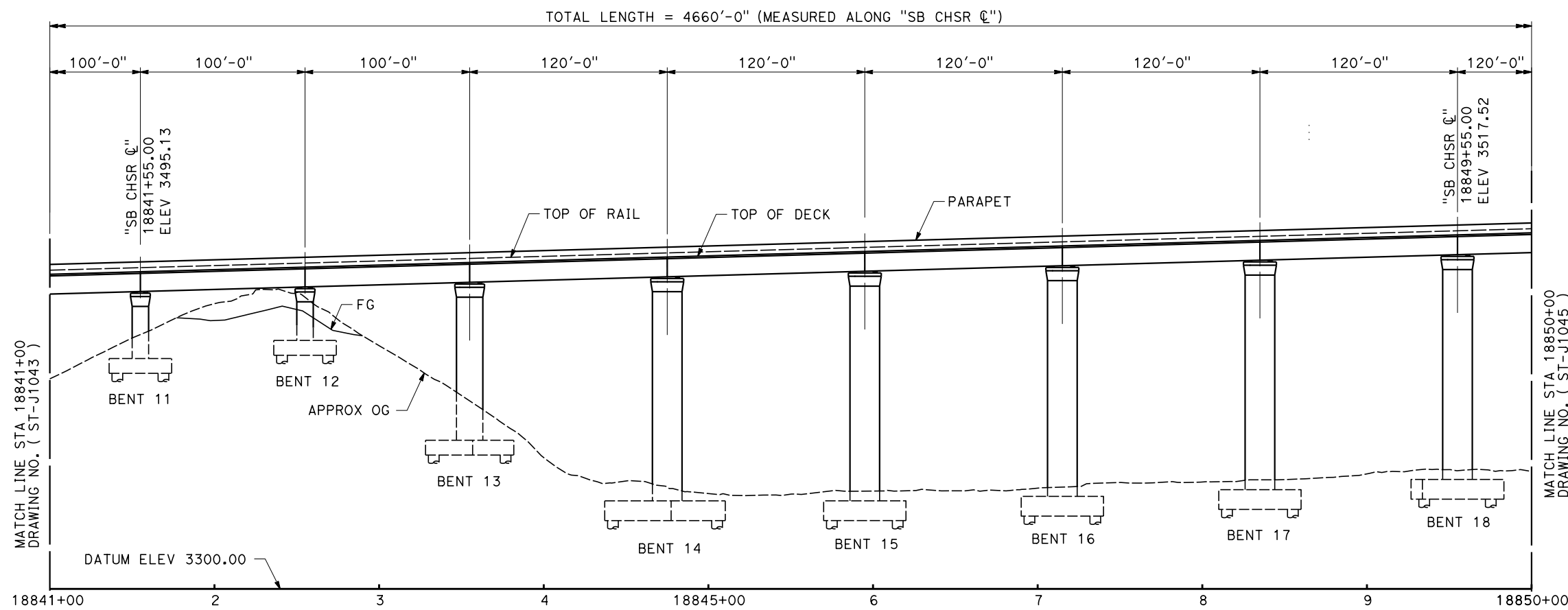
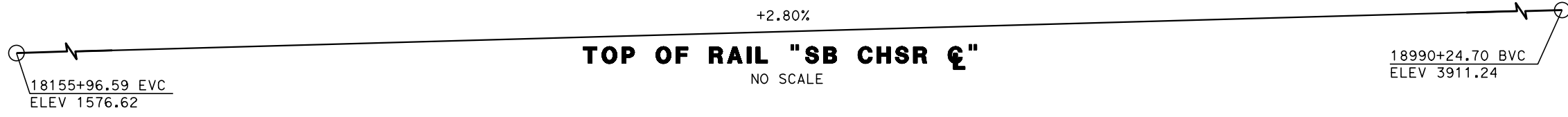
**TYLIN INTERNATIONAL**



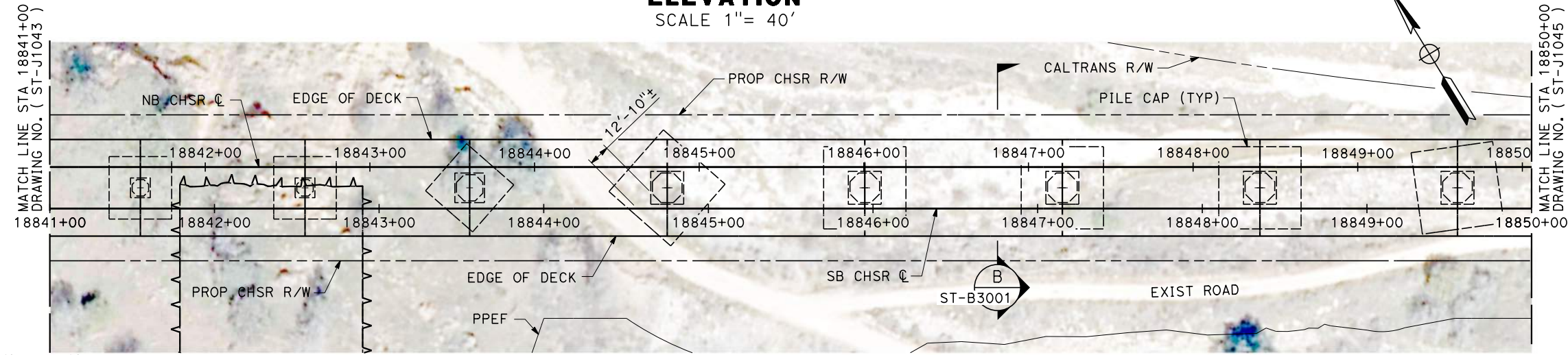
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18828+25 TO 18874+85  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1043  
SCALE  
AS SHOWN  
SHEET NO.  
64

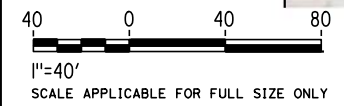




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1044  
1/21/2021 3:15:21 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18828+25 TO 18874+85  
PLAN AND ELEVATION

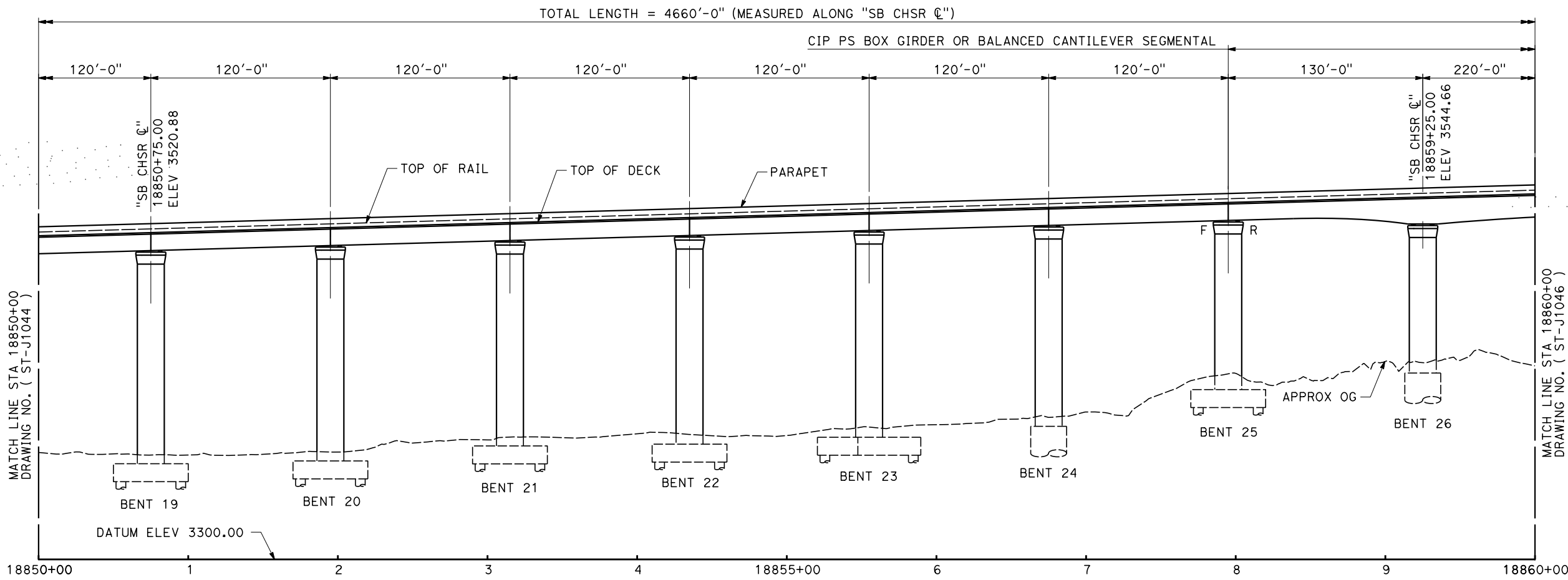
CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1044  
SCALE  
AS SHOWN  
SHEET NO.  
65

18155+96.59 EVC  
ELEV 1576.62

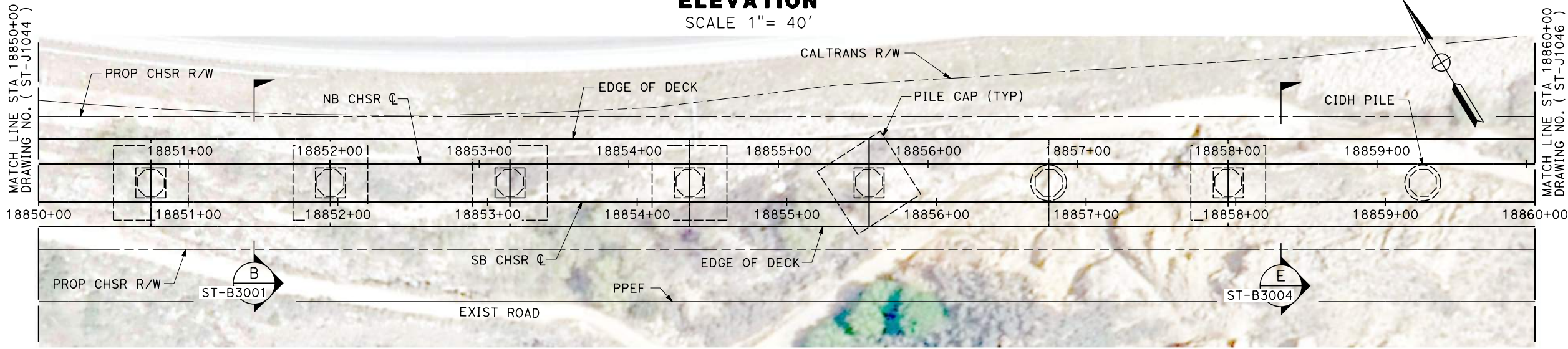
+2.80%

18990+24.70 BVC  
ELEV 3911.24

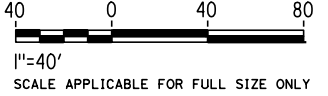
**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1045  
1/21/2021 3:16:07 AM jcs\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18828+25 TO 18874+85  
PLAN AND ELEVATION

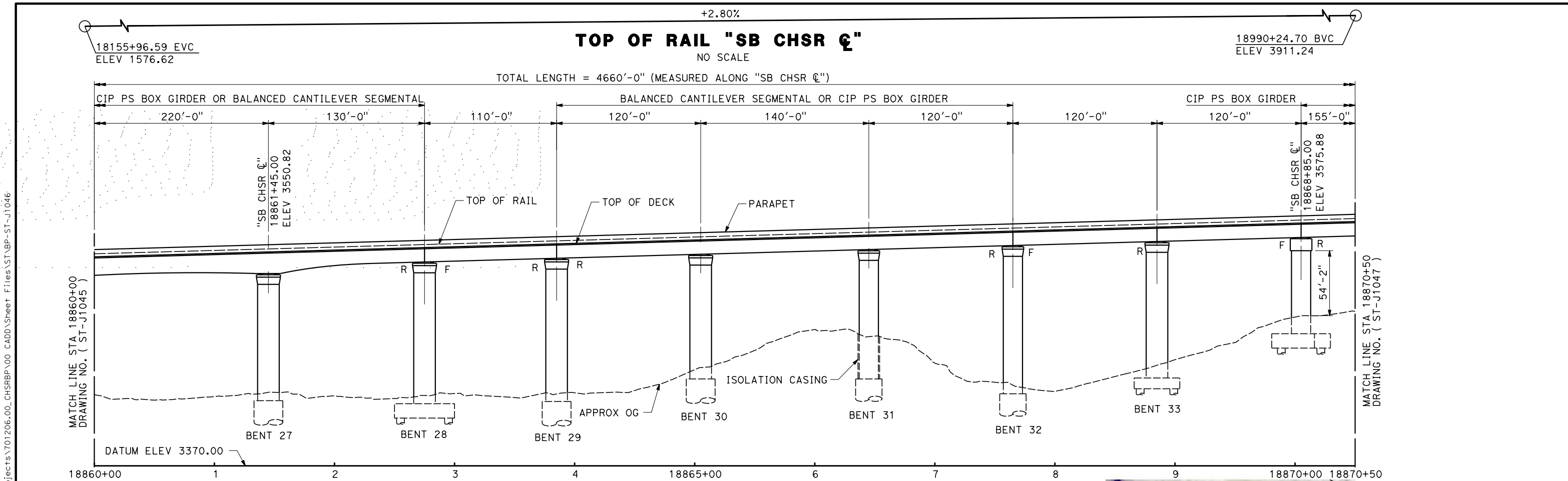
CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1045

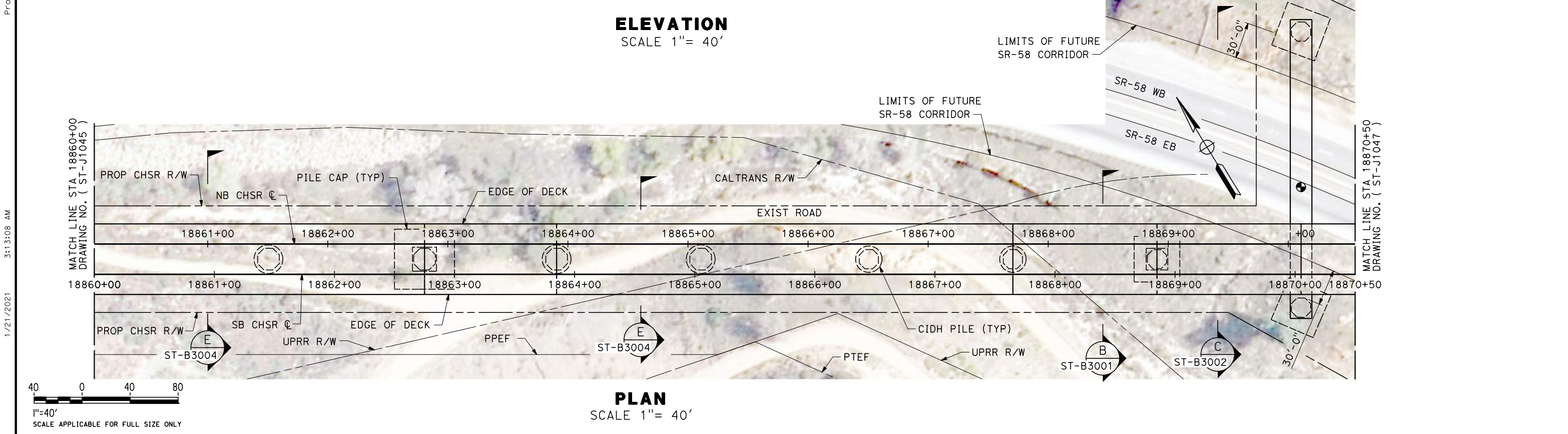
SCALE  
AS SHOWN

SHEET NO.  
66





**ELEVATION**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
VIADUCT STATION 18828+25 TO 18874+85  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1046

SCALE  
AS SHOWN

SHEET NO.  
67

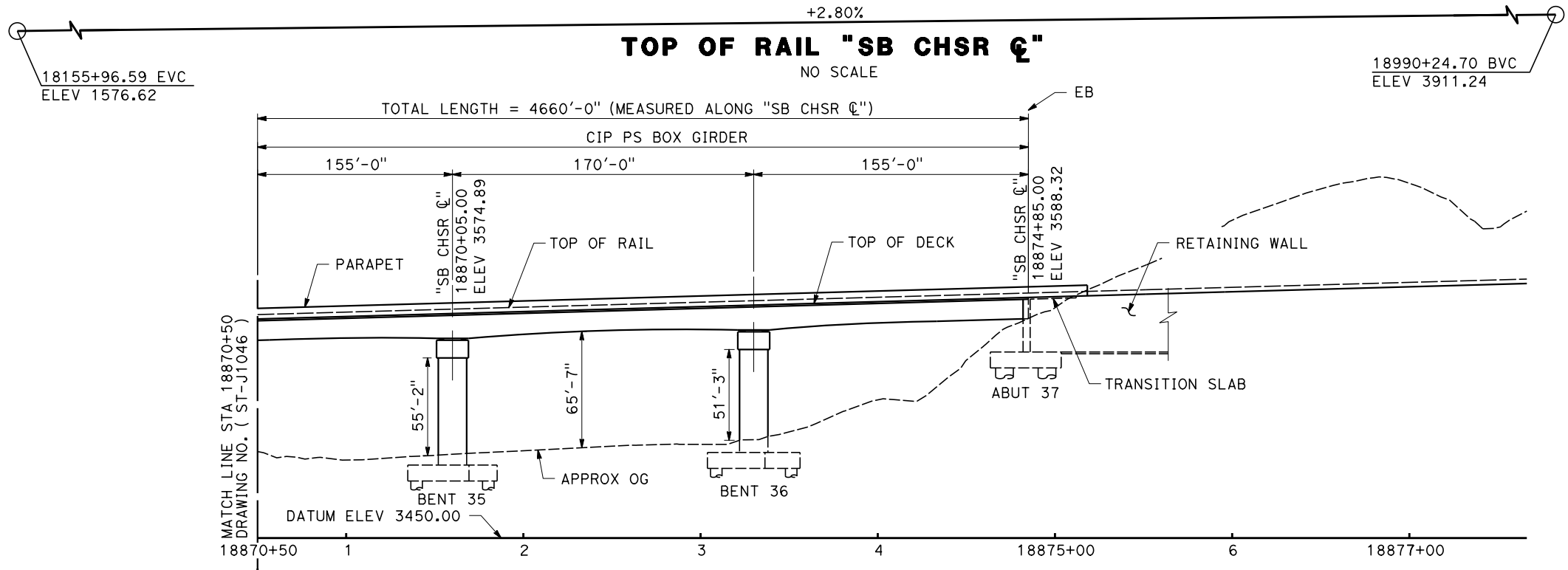
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1/21/2021 3:13:08 AM

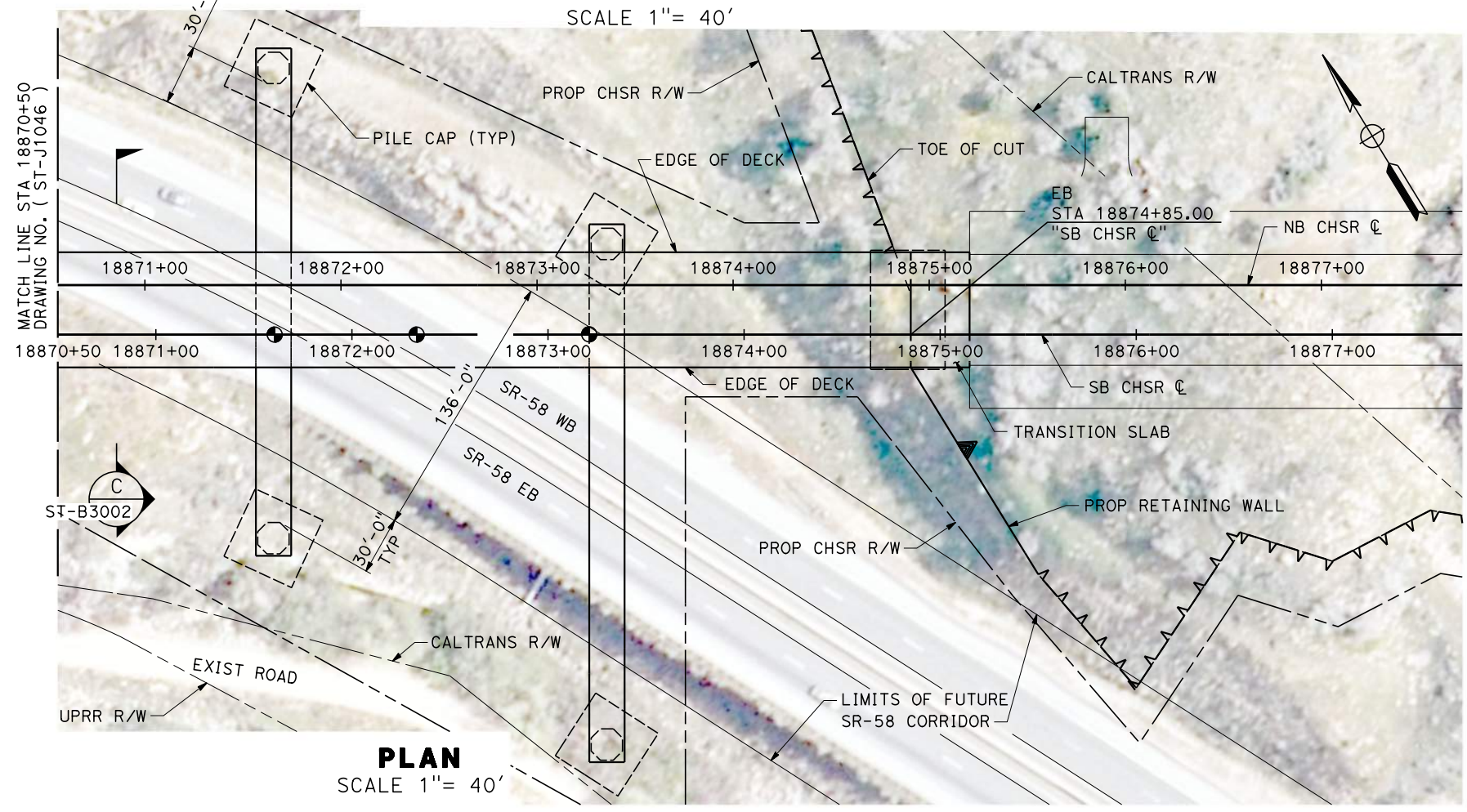
ics\_user\_17609



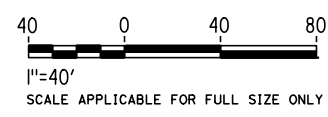
Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1047  
 1/21/2021 3:14:08 AM  
 jcs\_user\_17609



**ELEVATION**  
 SCALE 1" = 40'



**PLAN**  
 SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
 DRAWN BY  
**Y. WANG**  
 CHECKED BY  
**R. BARTON**  
 IN CHARGE  
**G. CAMPBELL**  
 DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 ALTERNATIVES 1,2,3,5  
 TRACK STRUCTURES  
 VIADUCT STATION 18828+25 TO 18874+85  
 PLAN AND ELEVATION

CONTRACT NO.  
 HSR13-44  
 DRAWING NO.  
 ST-J1047  
 SCALE  
 AS SHOWN  
 SHEET NO.  
 68

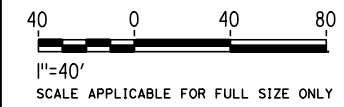
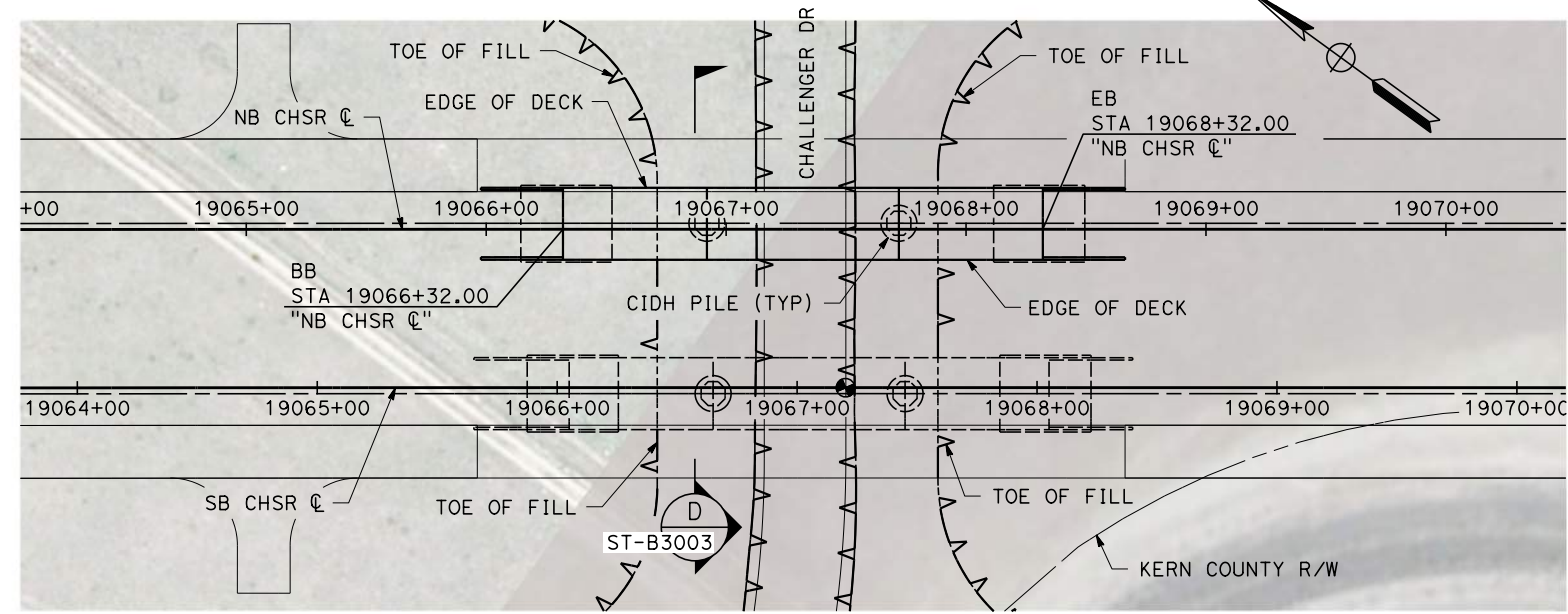
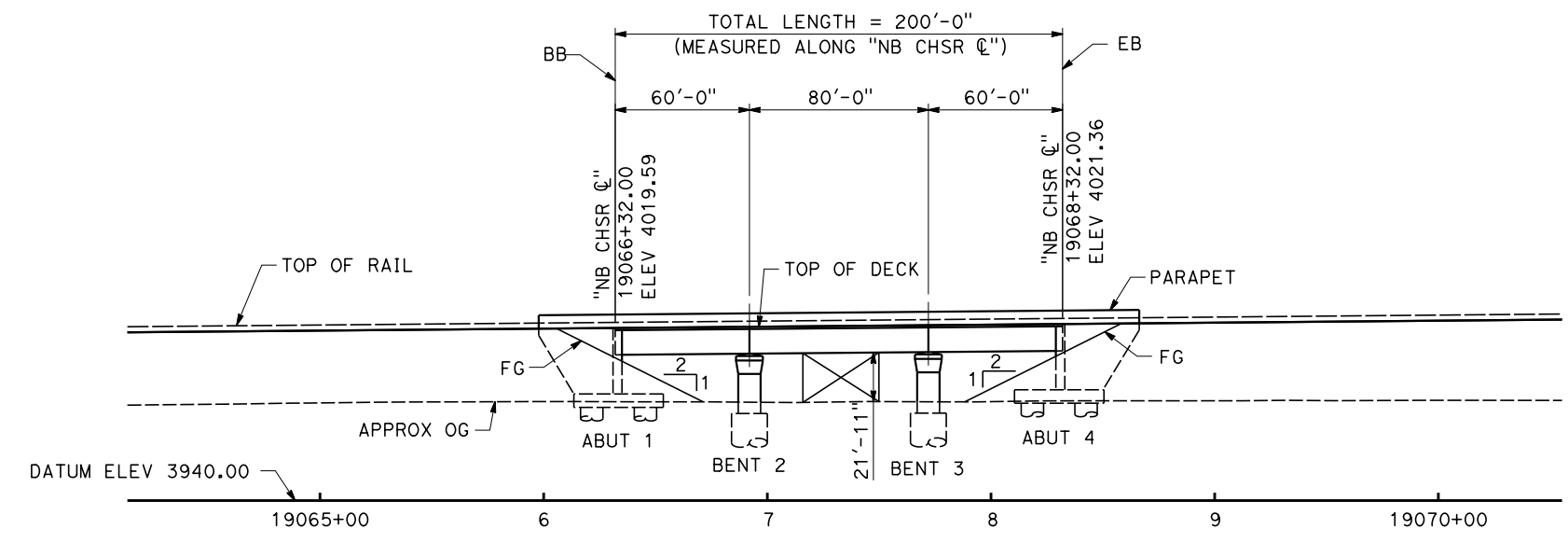
19033+18.73 EVC  
ELEV 3990.23

0.89%

19380+15.00 BVC  
ELEV 4297.64

**TOP OF RAIL "NB CHSR C"**

NO SCALE



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1047A

3:14:57 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

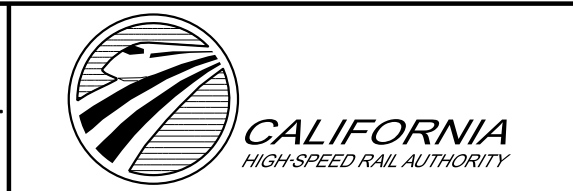
IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

**TYLIN INTERNATIONAL**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
NORTH VIADUCT STATION 19066+32 TO 19068+32  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1047A

SCALE  
AS SHOWN

SHEET NO.  
69

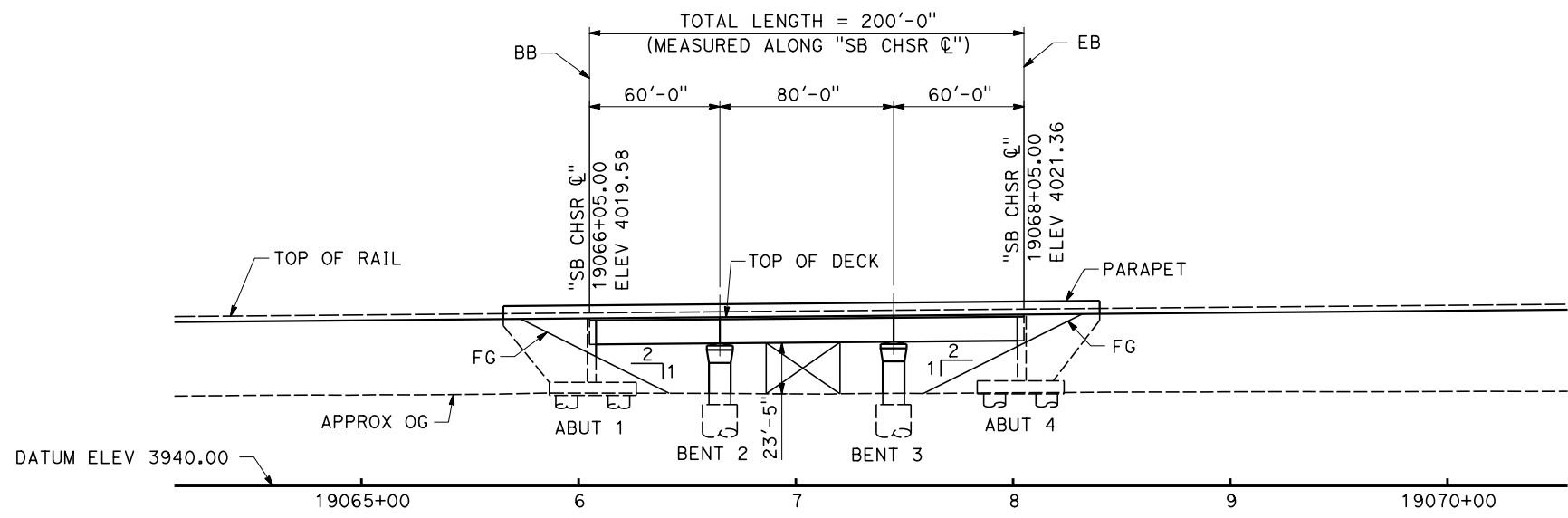
19033+34.70 EVC  
ELEV 3990.63

0.89%

19380+04.90 BVC  
ELEV 4297.66

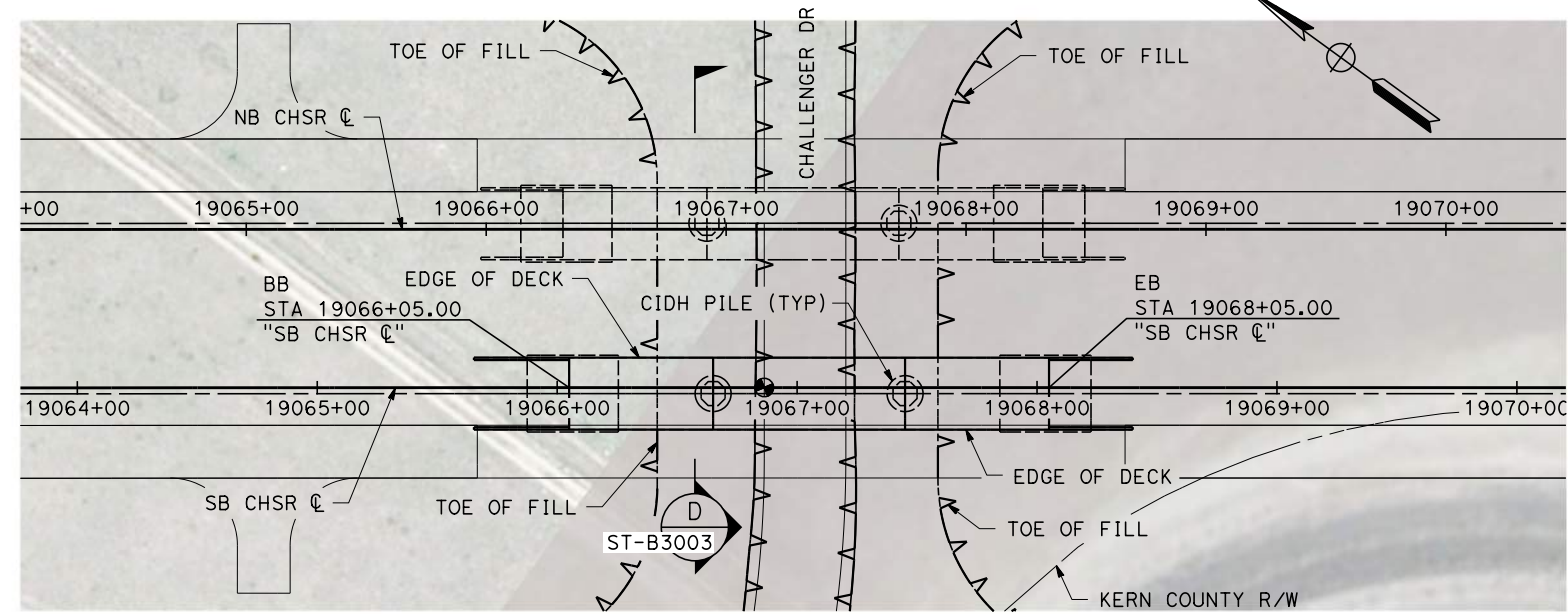
**TOP OF RAIL "SB CHSR ☉"**

NO SCALE



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1047B

3:14:31 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
SOUTH VIADUCT STATION 19066+05 TO 19068+05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1047B  
SCALE  
AS SHOWN  
SHEET NO.  
70



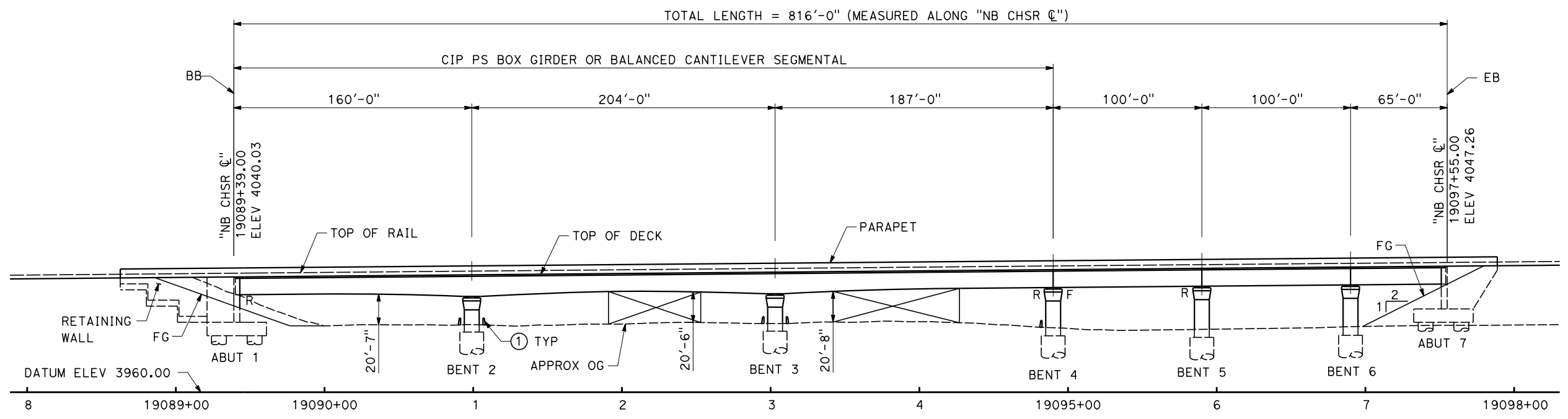
19033+16.98 EVC  
Elev 3990.18

0.89%

19380+15.91 BVC  
Elev 4297.62

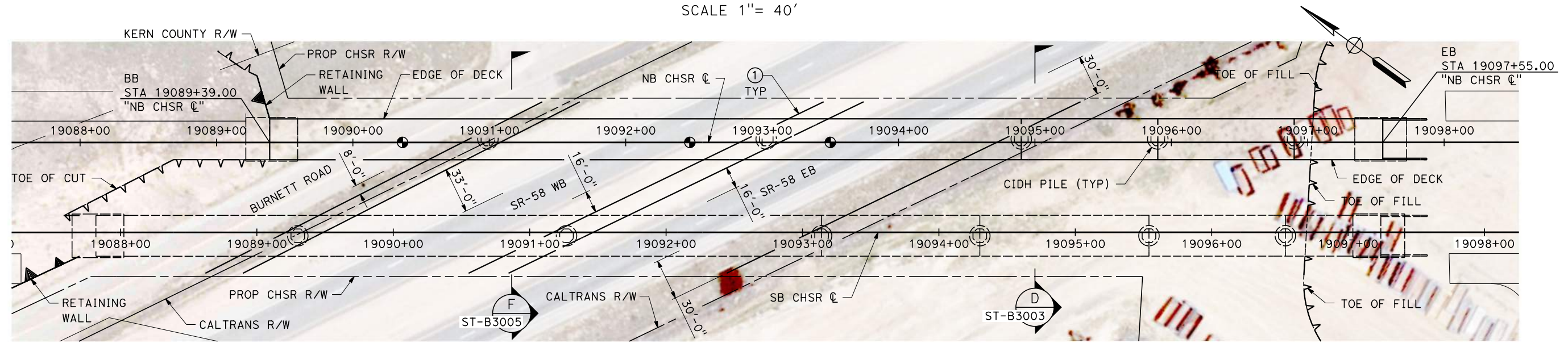
**TOP OF RAIL "NB CHSR ☉"**

NO SCALE



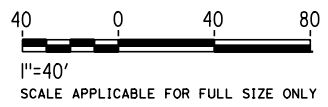
**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1048

3:13:46 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**

**PEPD**

**SUBMITTAL**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**

**BAKERSFIELD TO PALMDALE**

ALTERNATIVES 1,2,3,5

TRACK STRUCTURES

SR 58 NORTH UNDERPASS

PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1048

SCALE  
AS SHOWN

SHEET NO.  
71

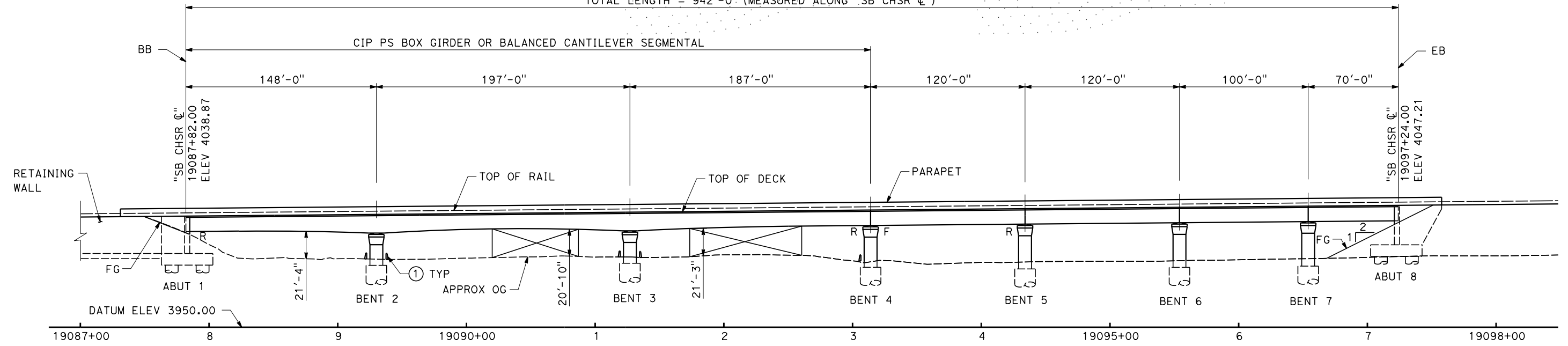
19033+34.70 EVC  
ELEV 3990.63

0.89%

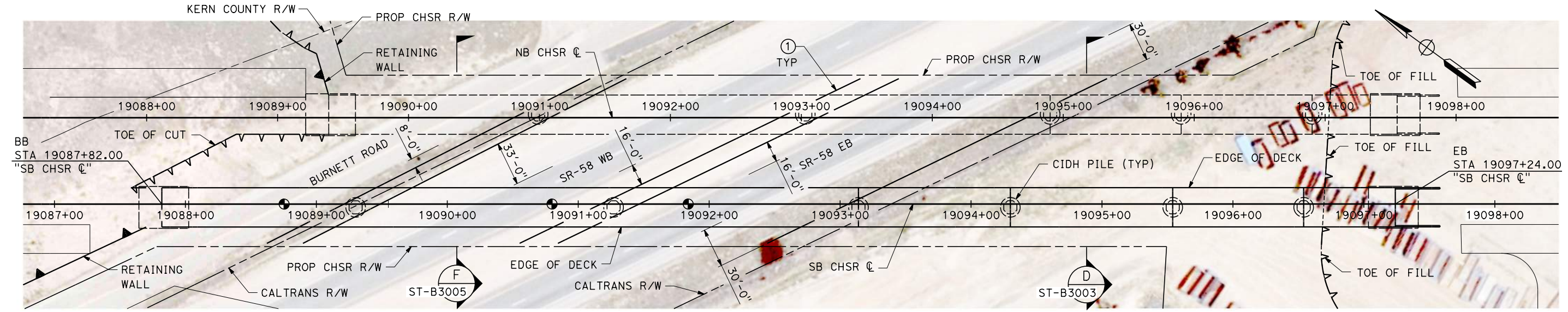
19380+04.90 BVC  
ELEV 4297.66

**TOP OF RAIL "SB CHSR C"**  
NO SCALE

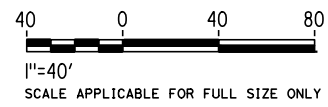
TOTAL LENGTH = 942'-0" (MEASURED ALONG "SB CHSR C")



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1049  
3:15:42 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
SR 58 SOUTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1049  
SCALE  
AS SHOWN  
SHEET NO.  
72



19033+16.98 EVC  
Elev 3990.18

0.89%

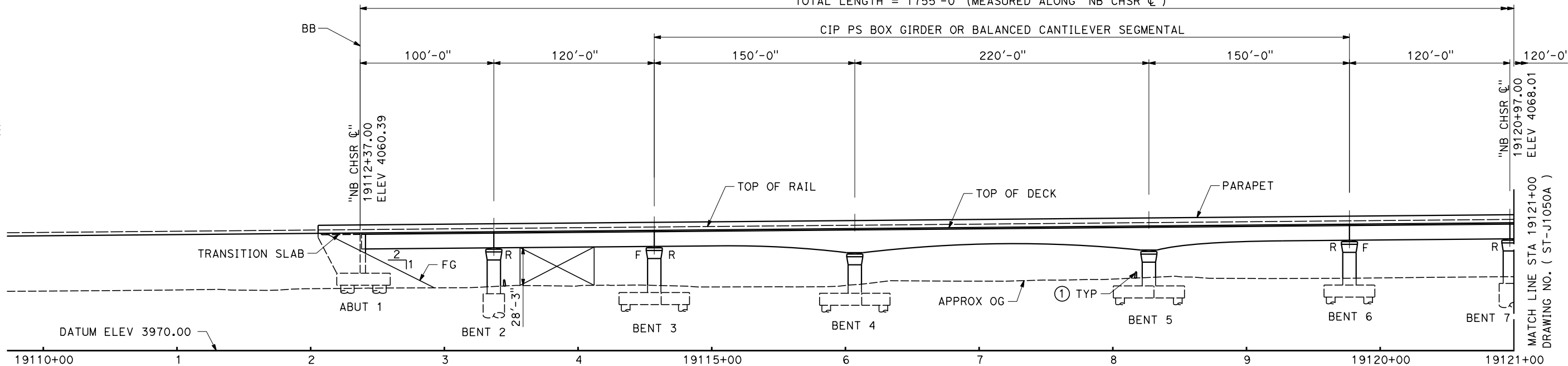
19380+15.91 BVC  
Elev 4297.62

**TOP OF RAIL "NB CHSR ☉"**

NO SCALE

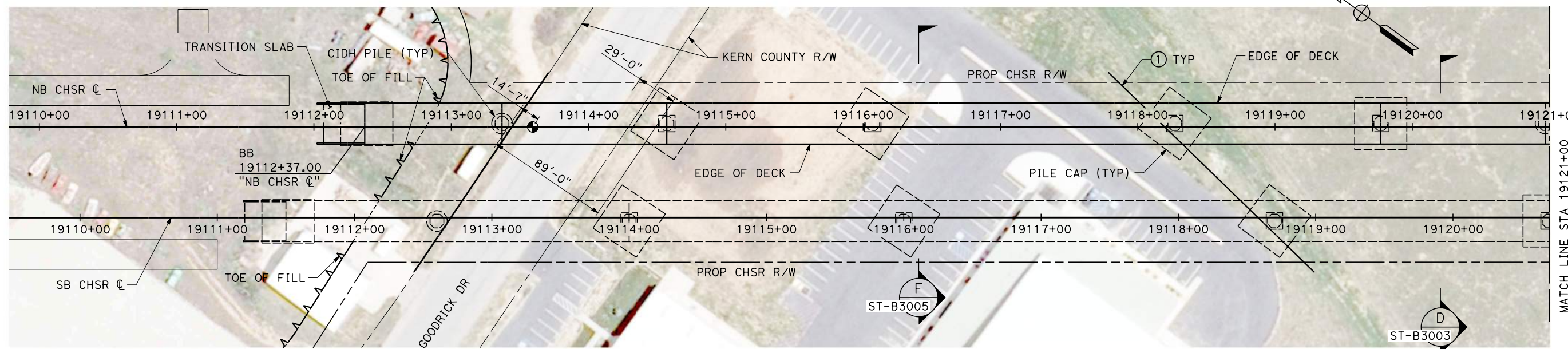
TOTAL LENGTH = 1755'-0" (MEASURED ALONG "NB CHSR ☉")

CIP PS BOX GIRDER OR BALANCED CANTILEVER SEGMENTAL



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1050  
1/21/2021 3:16:25 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
GOODRICK DRIVE-TEHACHAPI BLVD NORTH VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1050  
SCALE  
AS SHOWN  
SHEET NO.  
73

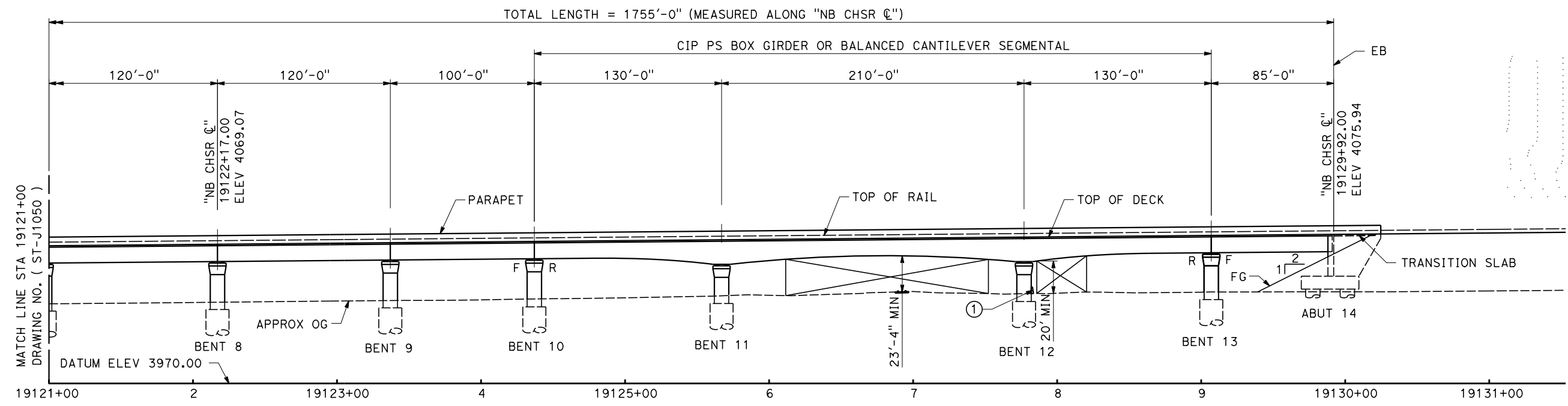


Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1050A

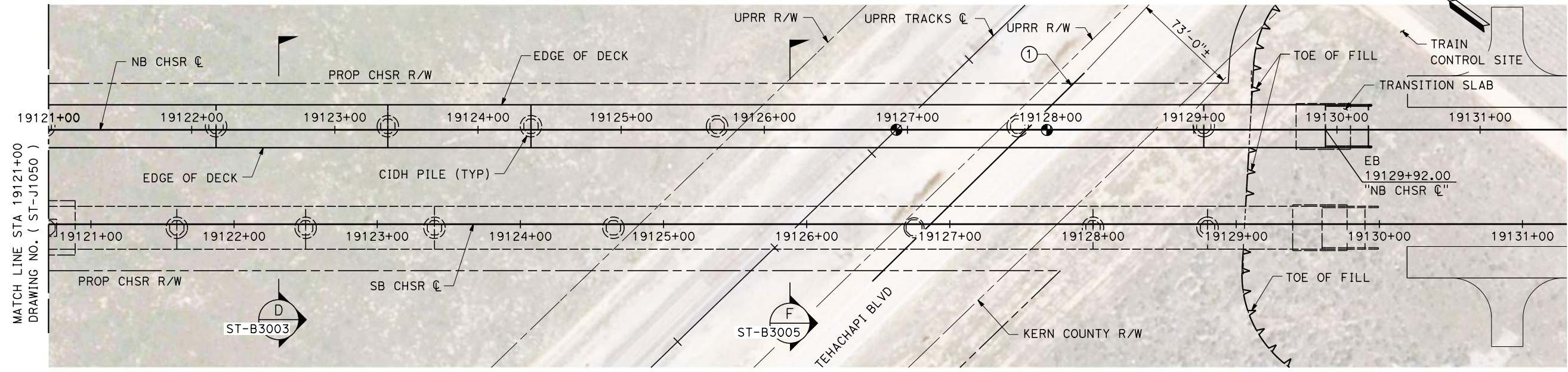
3:15:16 AM

1/21/2021

ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



1" = 40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

**PLAN**  
SCALE 1" = 40'

REV	DATE	BY	CHK	APP	DESCRIPTION

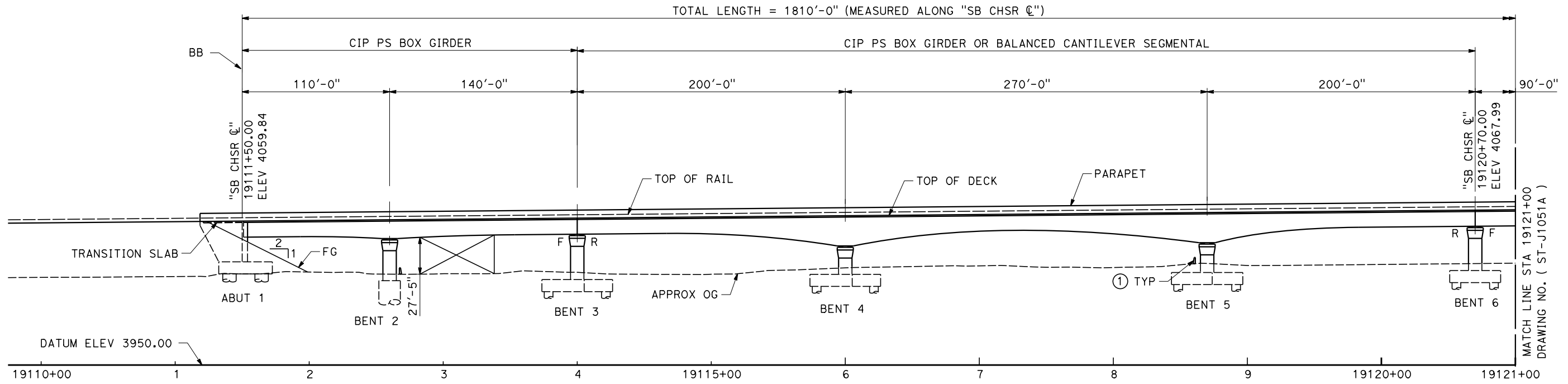
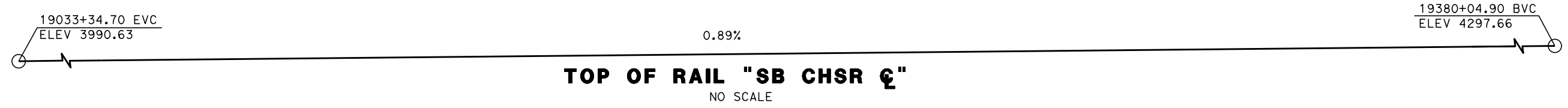
DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

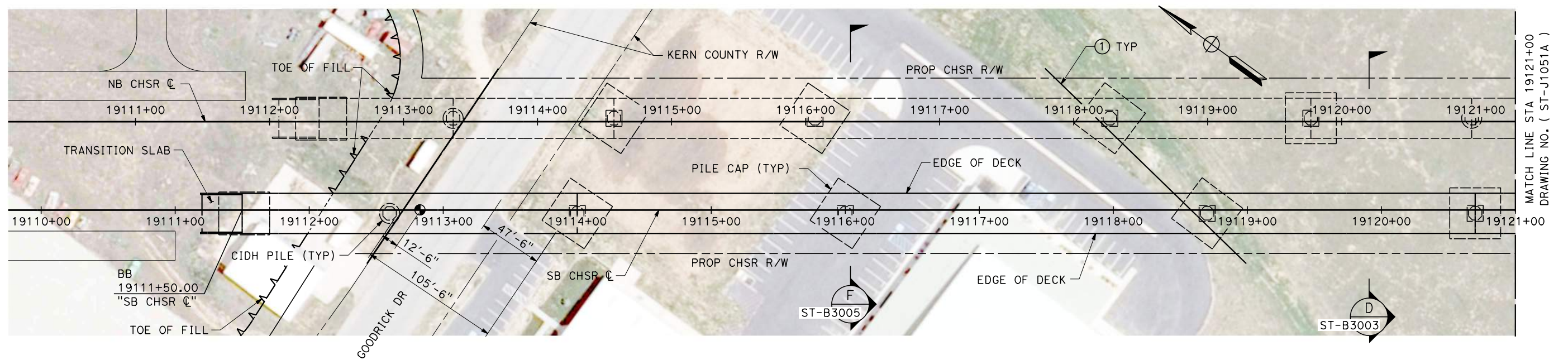


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
GOODRICK DRIVE-TEHACHAPI BLVD NORTH VIADUCT  
PLAN AND ELEVATION

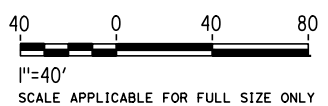
CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1050A  
SCALE  
AS SHOWN  
SHEET NO.  
74



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



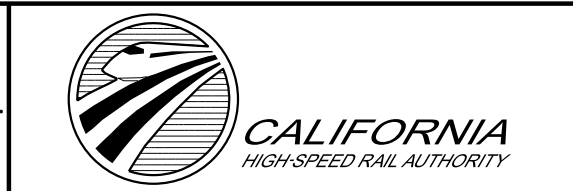
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1/21/2021 3:14:06 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

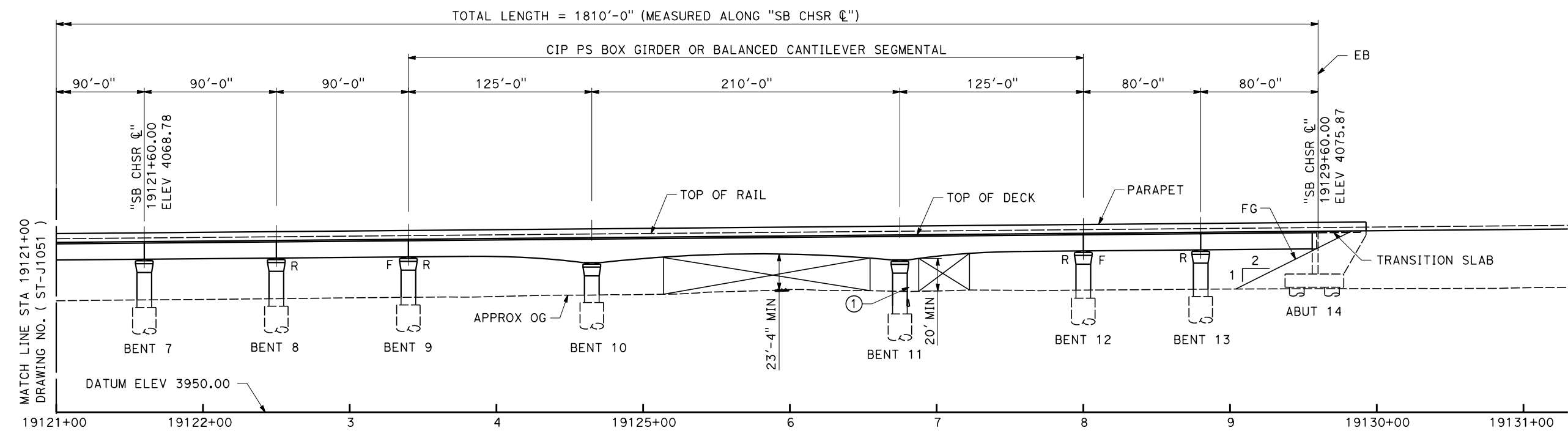


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
GOODRICK DRIVE-TEHACHAPI BLVD SOUTH VIADUCT  
PLAN AND ELEVATION

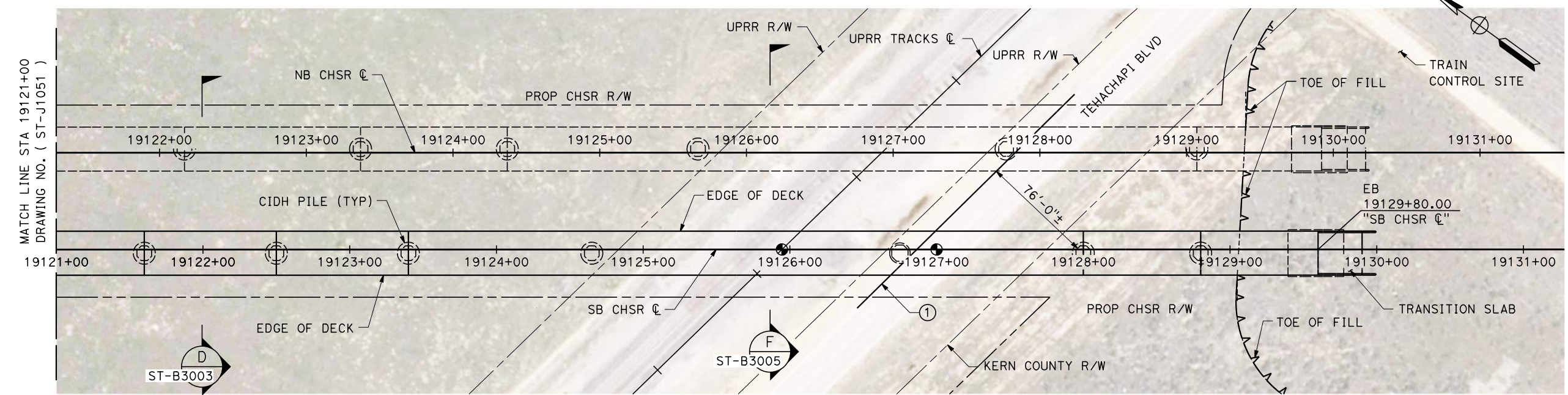
CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1051  
SCALE  
AS SHOWN  
SHEET NO.  
75

MATCH LINE STA 19121+00  
DRAWING NO. ( ST-J1051A )

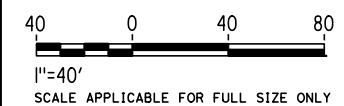




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1051A

3:13:28 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
GOODRICK DRIVE-TEHACHAPI BLVD SOUTH VIADUCT  
PLAN AND ELEVATION

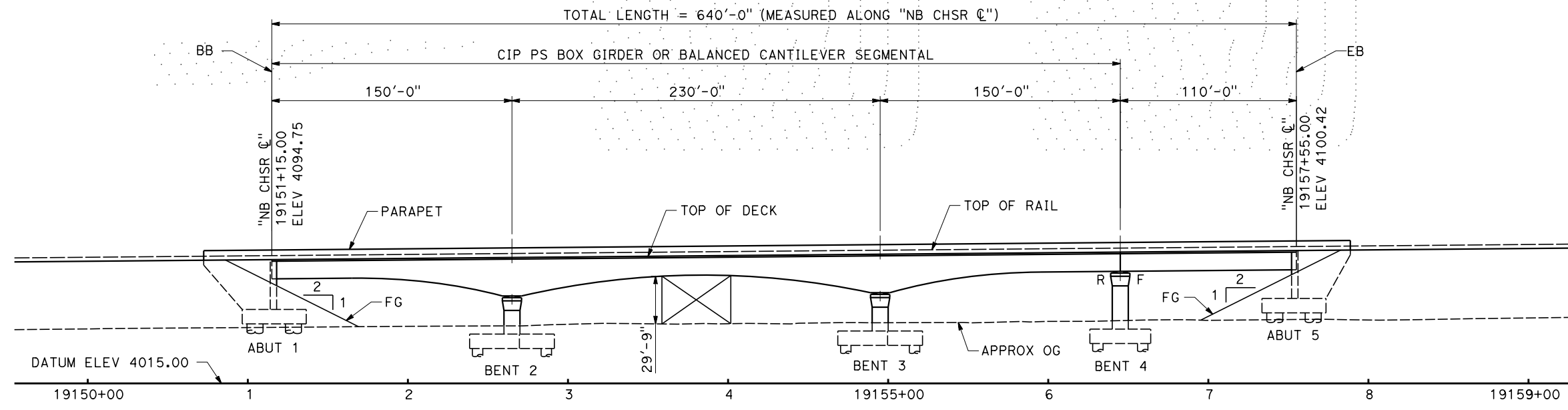
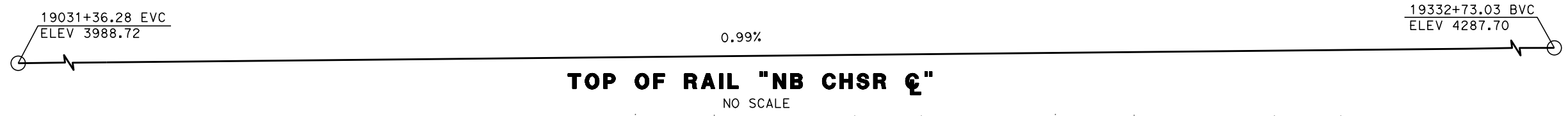
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HSR13-44

DRAWING NO.  
ST-J1051A

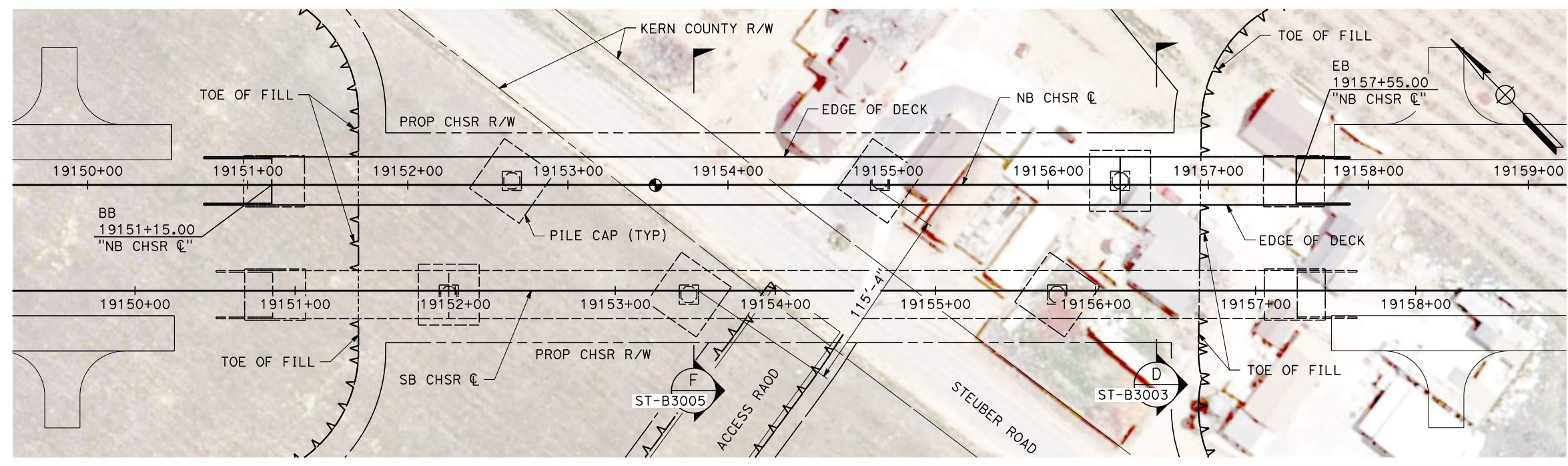
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AS SHOWN

SHEET NO.  
76

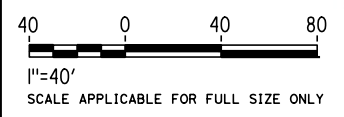




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1052  
3:16:03 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

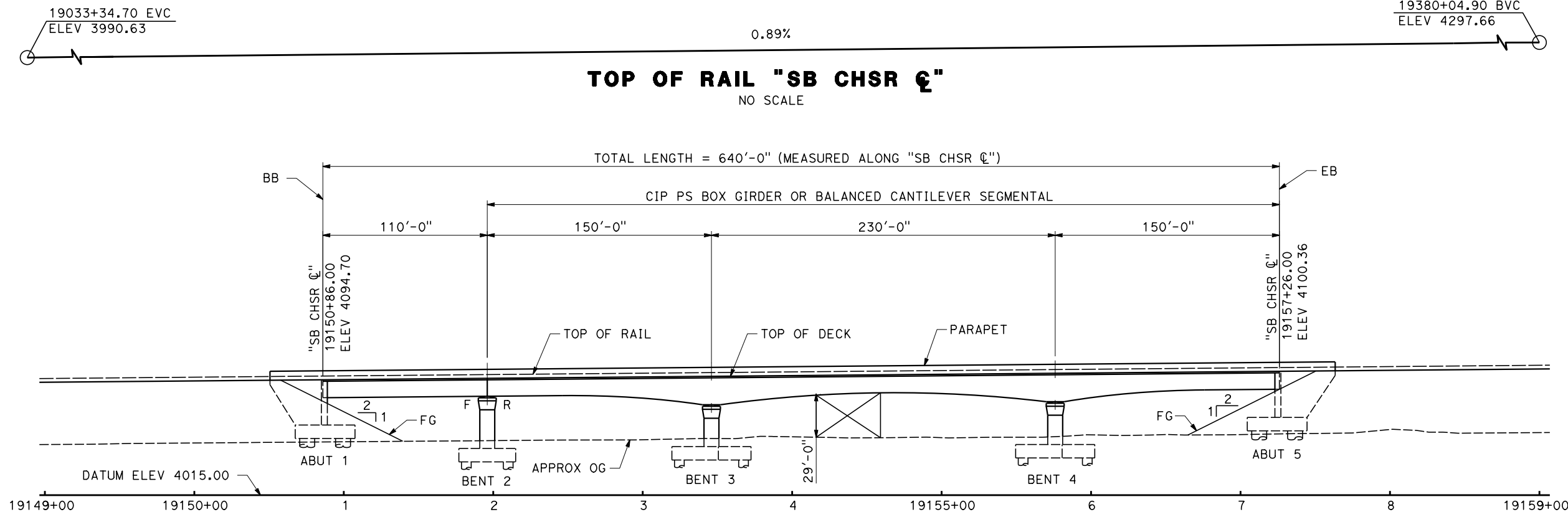
**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

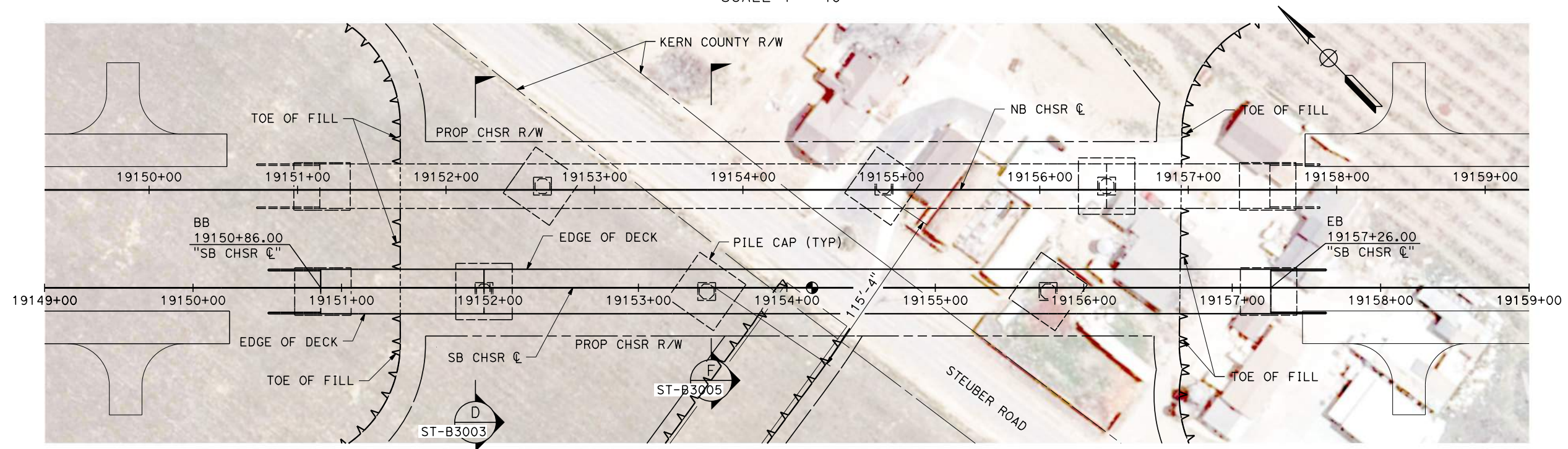


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
STUBER ROAD NORTH UNDERPASS  
PLAN AND ELEVATION

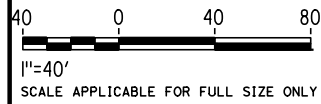
CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1052  
SCALE  
AS SHOWN  
SHEET NO.  
77



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
STUBER ROAD SOUTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

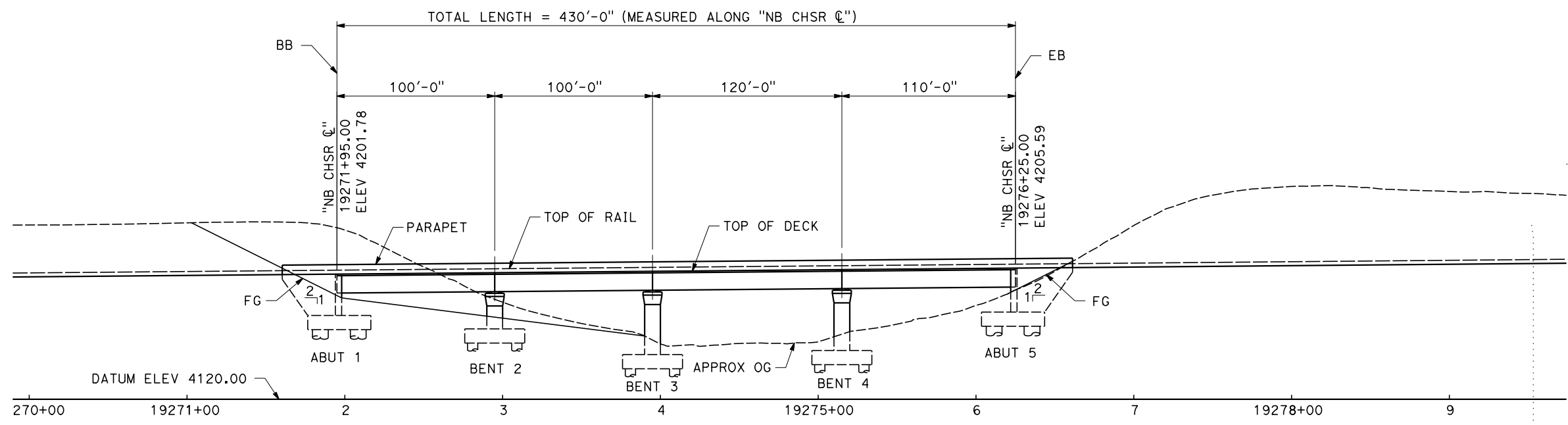
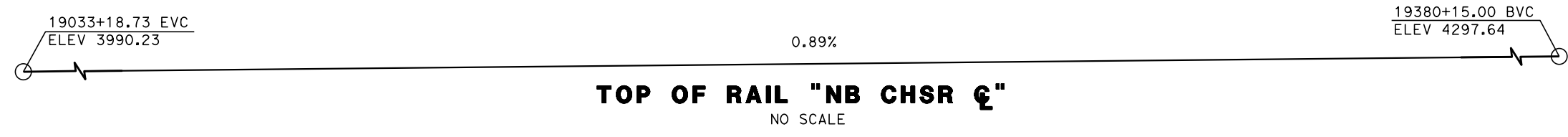
DRAWING NO.  
ST-J1053

SCALE  
AS SHOWN

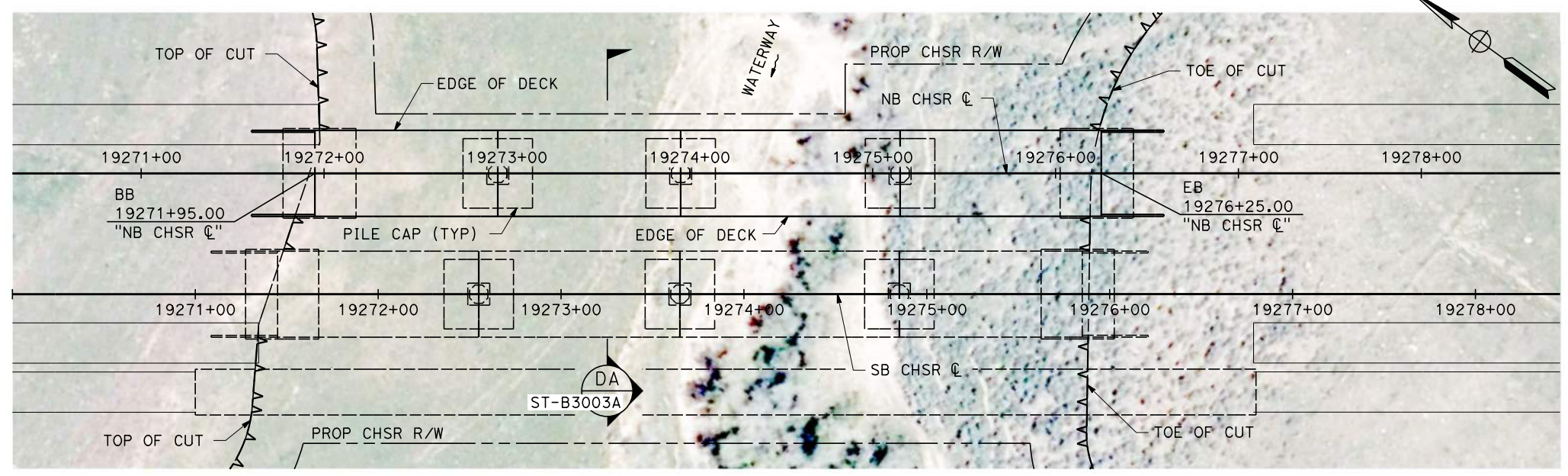
SHEET NO.  
78

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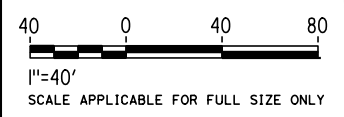




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1058  
1/21/2021 3:13:50 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
NORTH UNDERPASS STATION 19271+95 TO 19276+25  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1058  
SCALE  
AS SHOWN  
SHEET NO.  
79

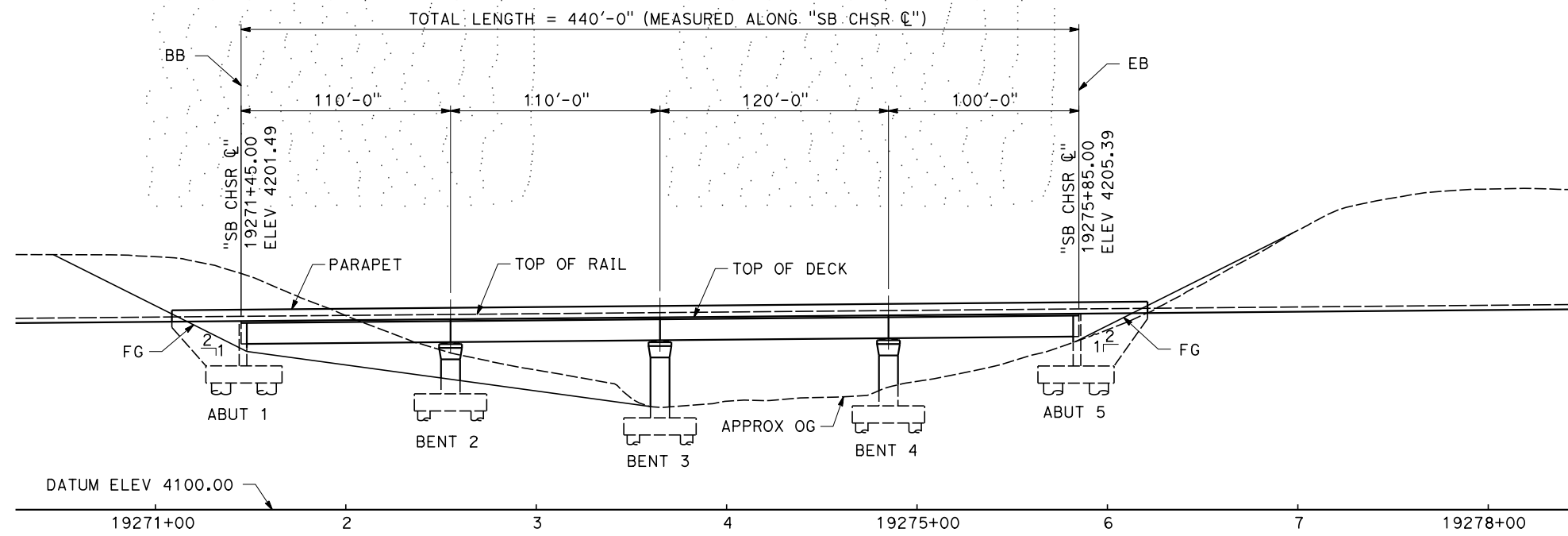


19033+34.70 EVC  
ELEV 3990.63

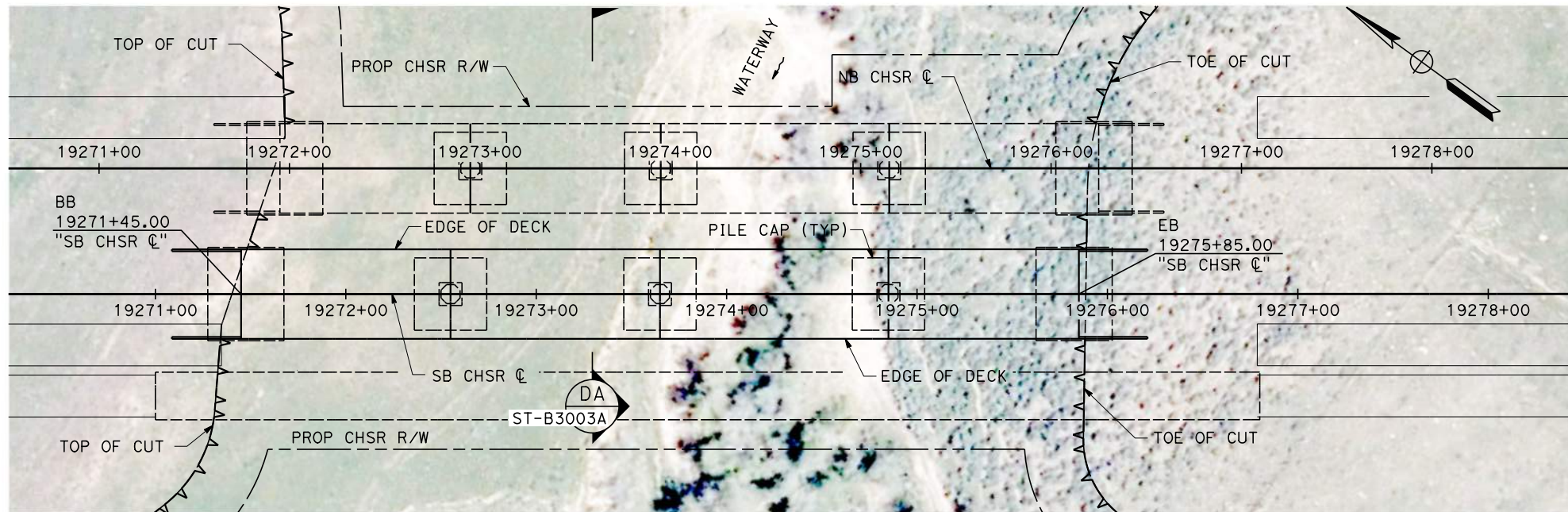
0.89%

19380+04.90 BVC  
ELEV 4297.66

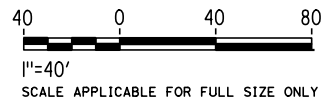
**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1059  
3:14:54 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
SOUTH UNDERPASS STATION 19271+45 TO 19275+85  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1059  
SCALE  
AS SHOWN  
SHEET NO.  
80

19442+15.00 EVC  
ELEV 4238.37

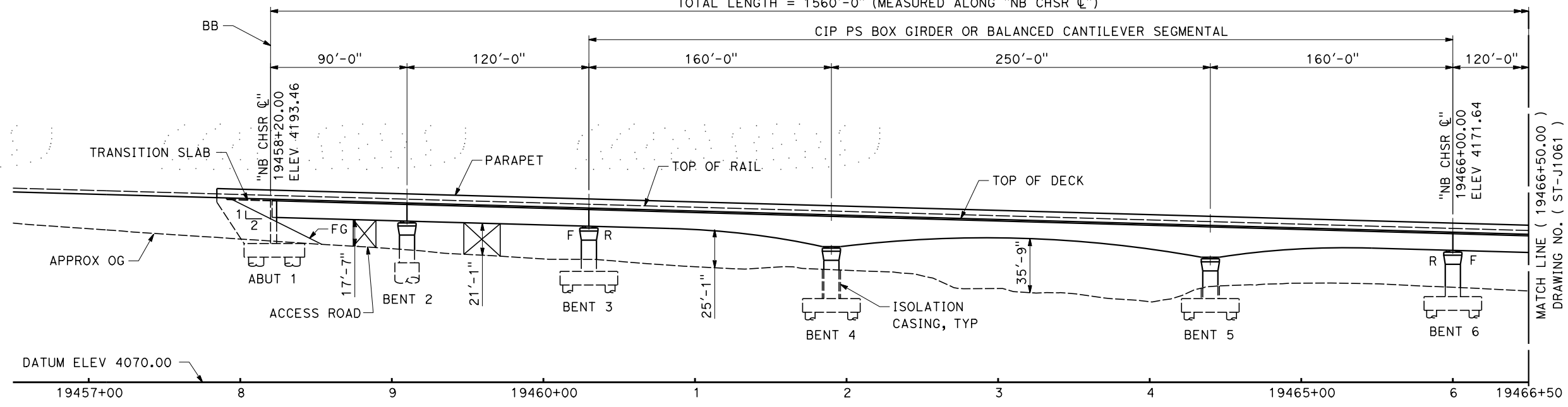
-2.80%

19936+46.64 BVC  
ELEV 2855.28

### TOP OF RAIL "NB CHSR ☉"

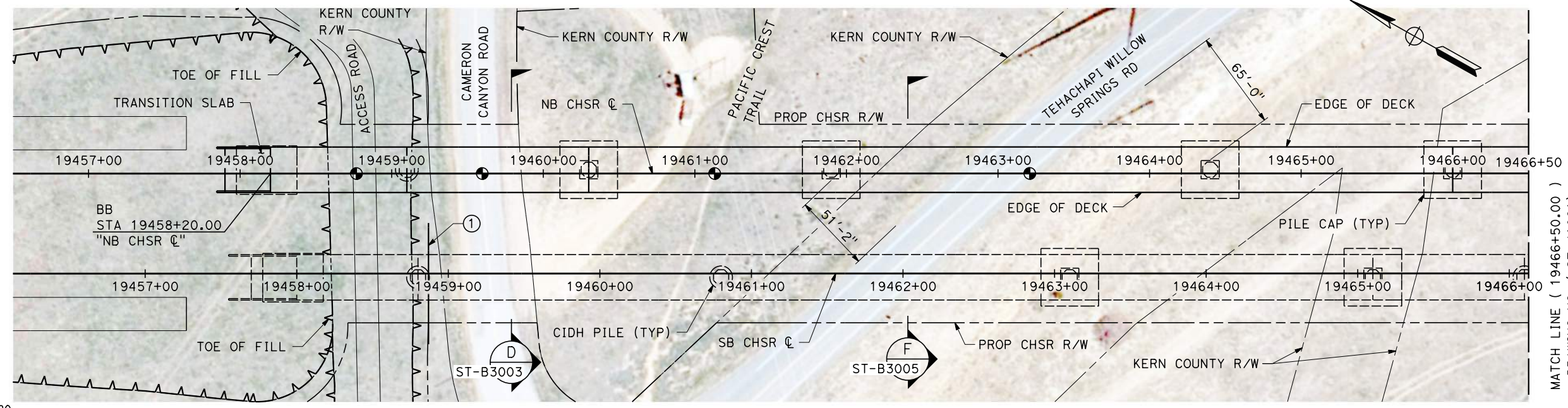
NO SCALE

TOTAL LENGTH = 1560'-0" (MEASURED ALONG "NB CHSR ☉")



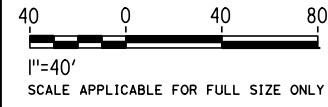
### ELEVATION

SCALE 1" = 40'



### PLAN

SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1060  
1/21/2021 3:14:27 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
NORTH VIADUCT STATION 19458+20 TO 19473+80  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1060  
SCALE  
AS SHOWN  
SHEET NO.  
81



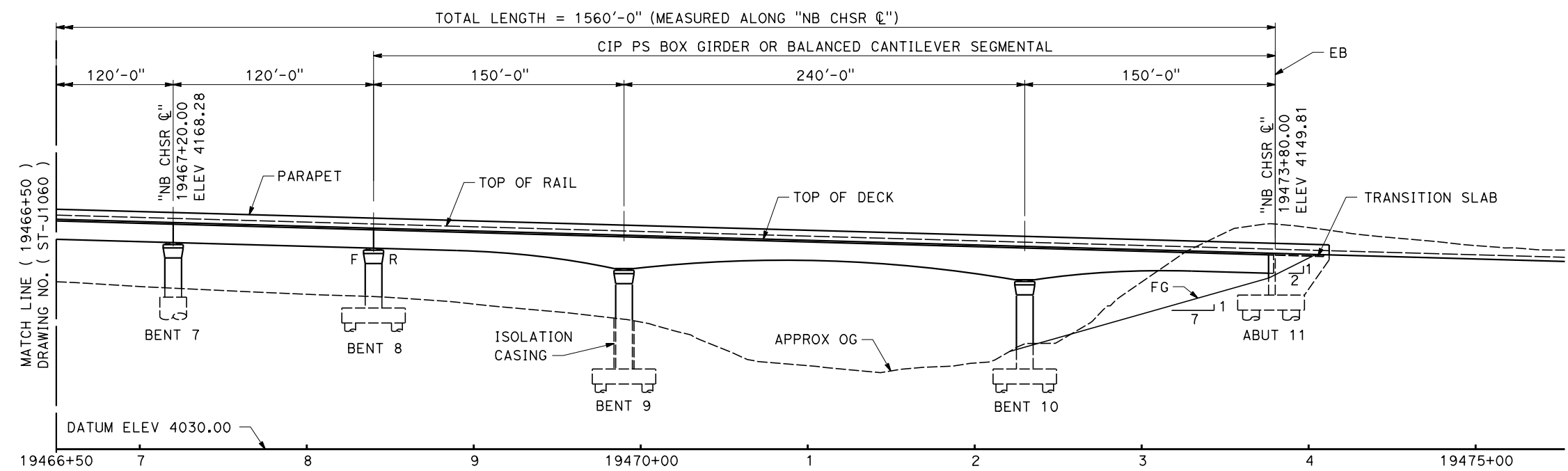
19442+15.00 EVC  
ELEV 4238.37

-2.80%

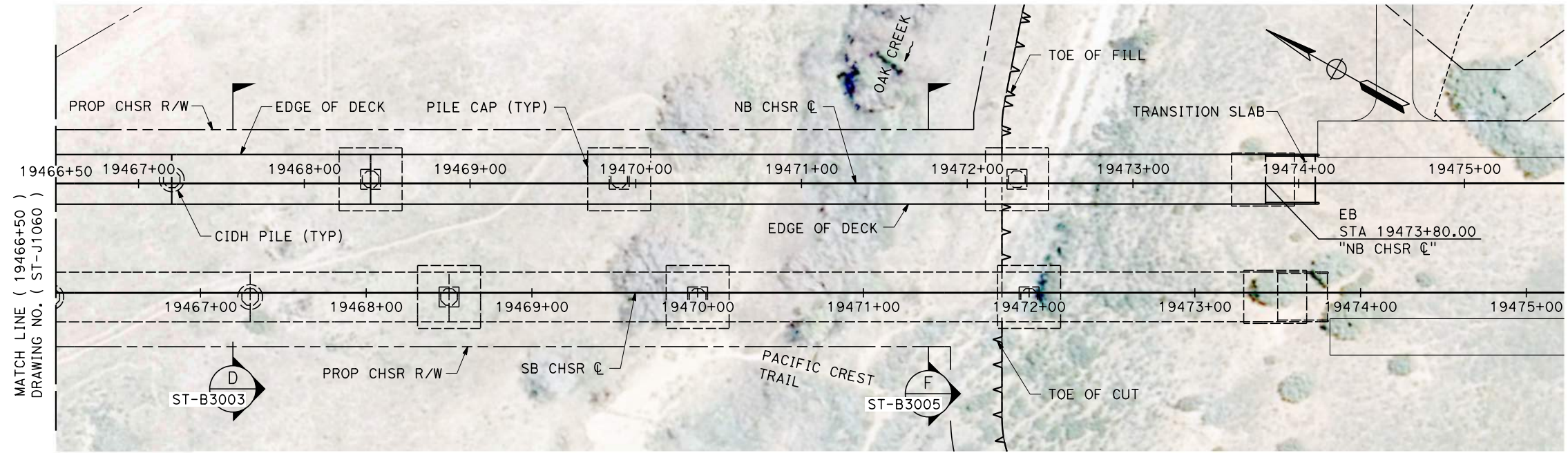
19936+46.64 BVC  
ELEV 2855.28

### TOP OF RAIL "NB CHSR ☐"

NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

40    0    40    80

1"=40'

SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1061

1/21/2021 3:17:22 AM

ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
NORTH VIADUCT STATION 19458+20 TO 19473+80  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1061

SCALE  
AS SHOWN

SHEET NO.  
82



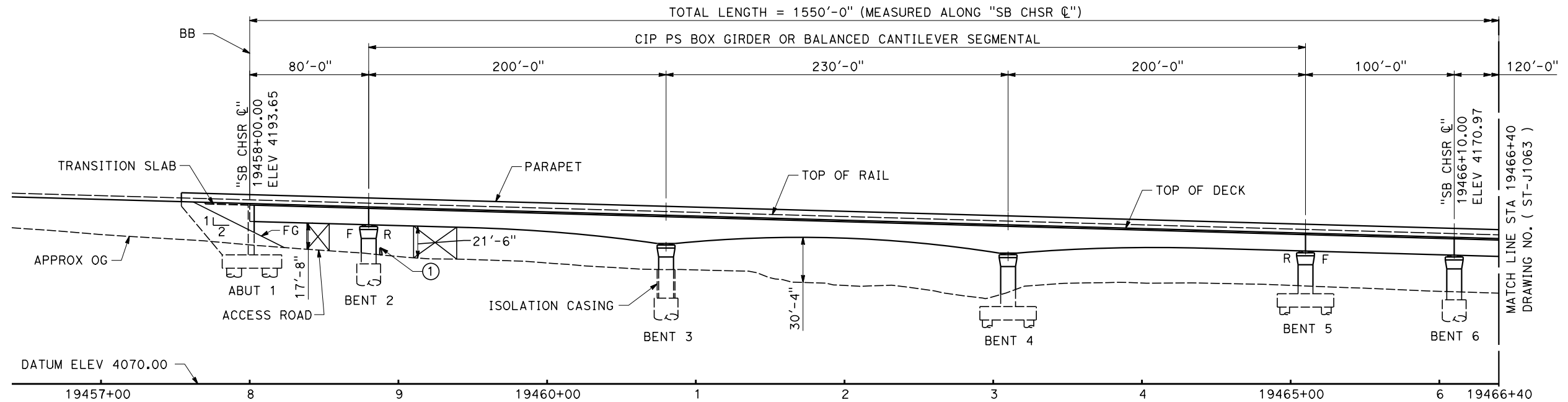
19442+04.90 EVC  
ELEV 4238.32

-2.80%

19935+93.65 BVC  
ELEV 2855.43

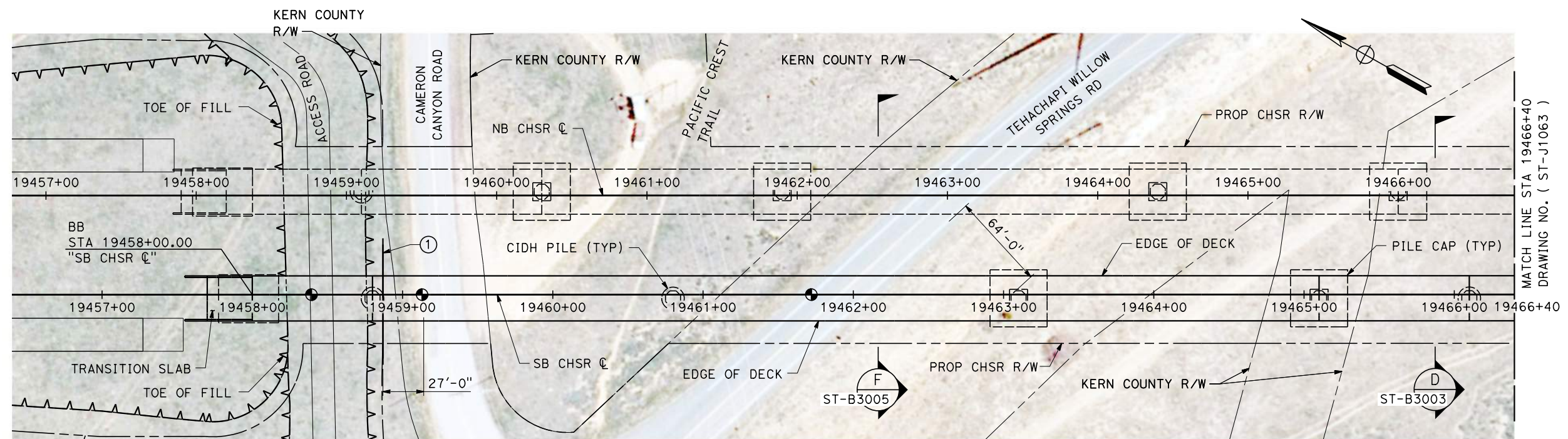
### TOP OF RAIL "SB CHSR ☐"

NO SCALE



### ELEVATION

SCALE 1" = 40'



### PLAN

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1062  
1/21/2021 3:15:38 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
SOUTH VIADUCT STATION 19458+00 TO 19473+50  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1062  
SCALE  
AS SHOWN  
SHEET NO.  
83

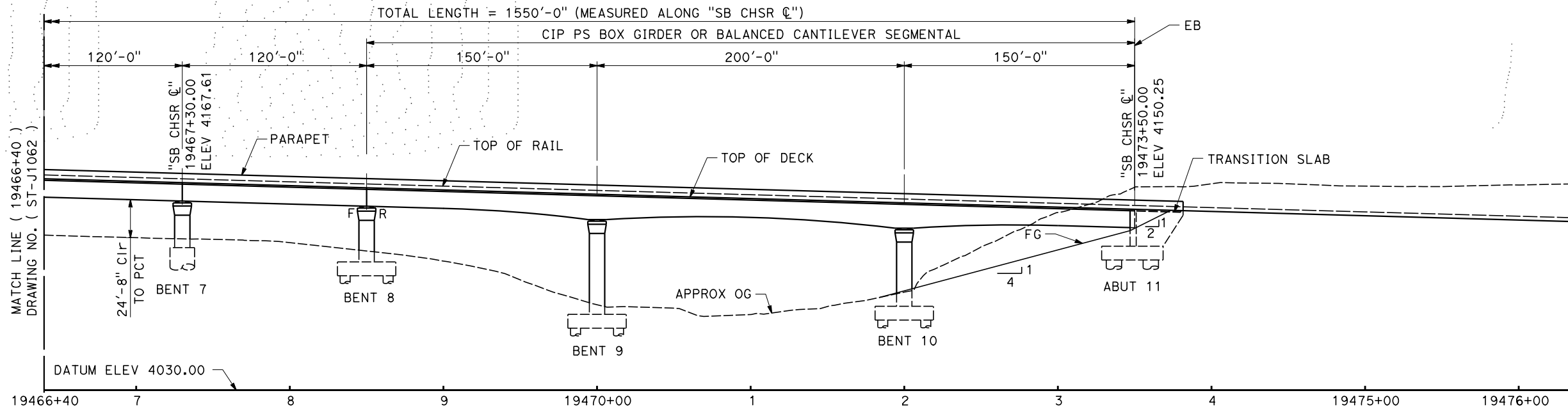
19442+04.90 EVC  
ELEV 4238.32

-2.80%

19935+93.65 BVC  
ELEV 2855.43

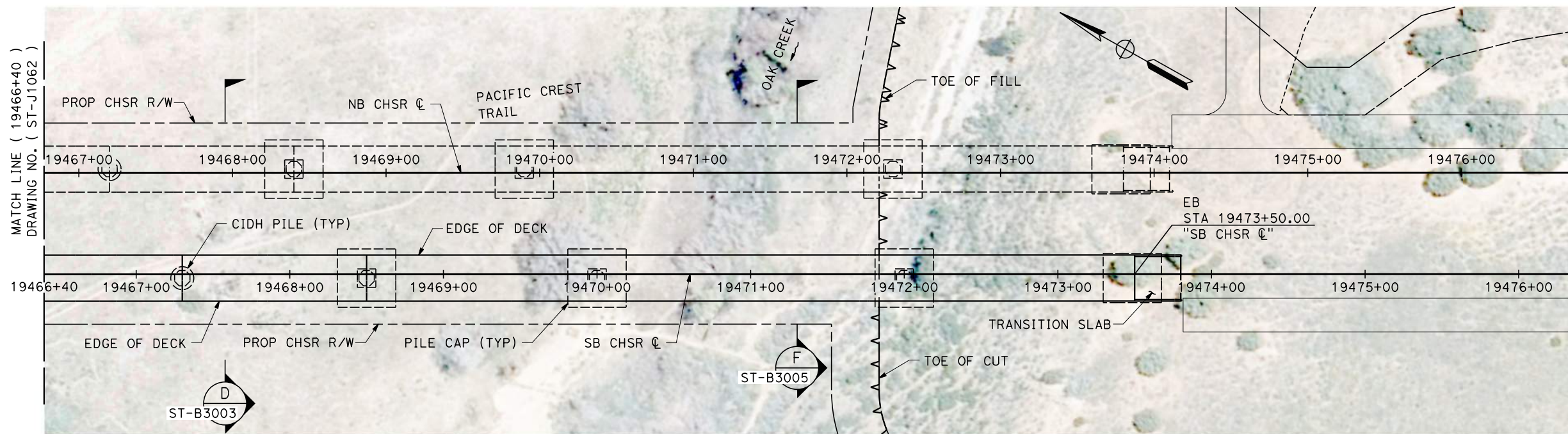
**TOP OF RAIL "SB CHSR ☐"**

NO SCALE



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1063  
3:16:01 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
SOUTH VIADUCT STATION 19458+00 TO 19473+50  
PLAN AND ELEVATION

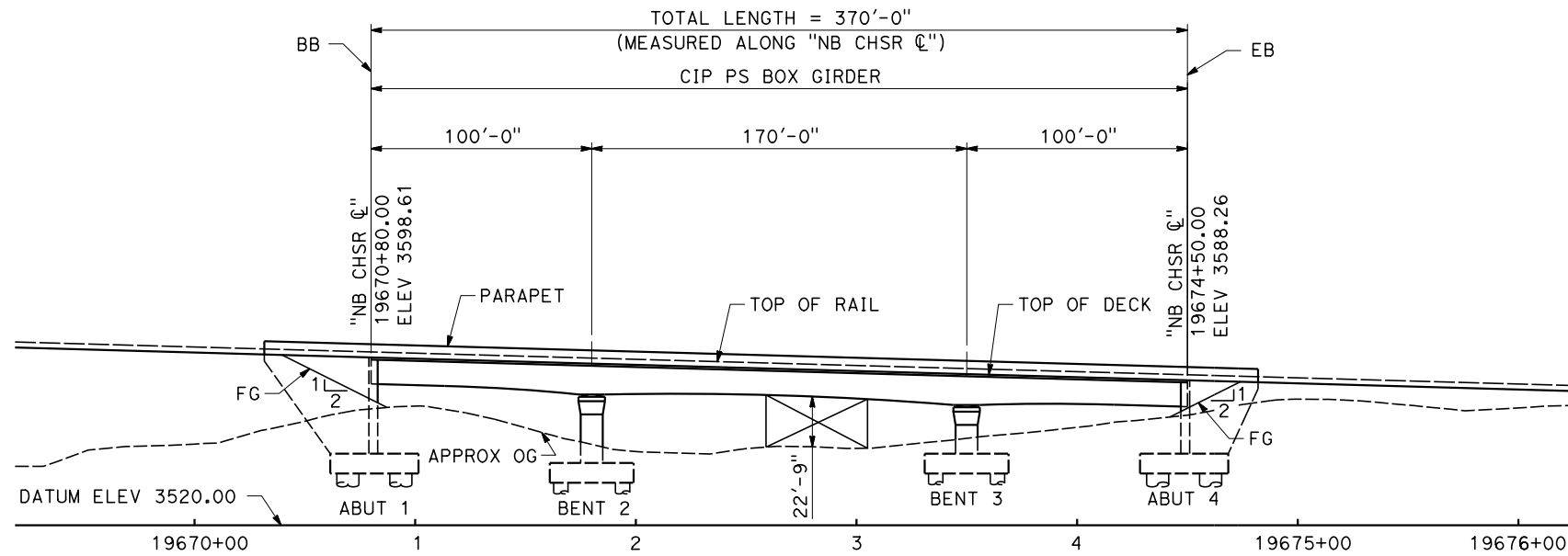
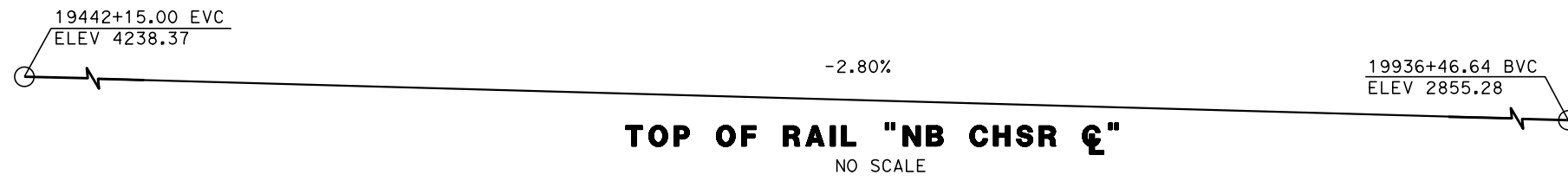
CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1063

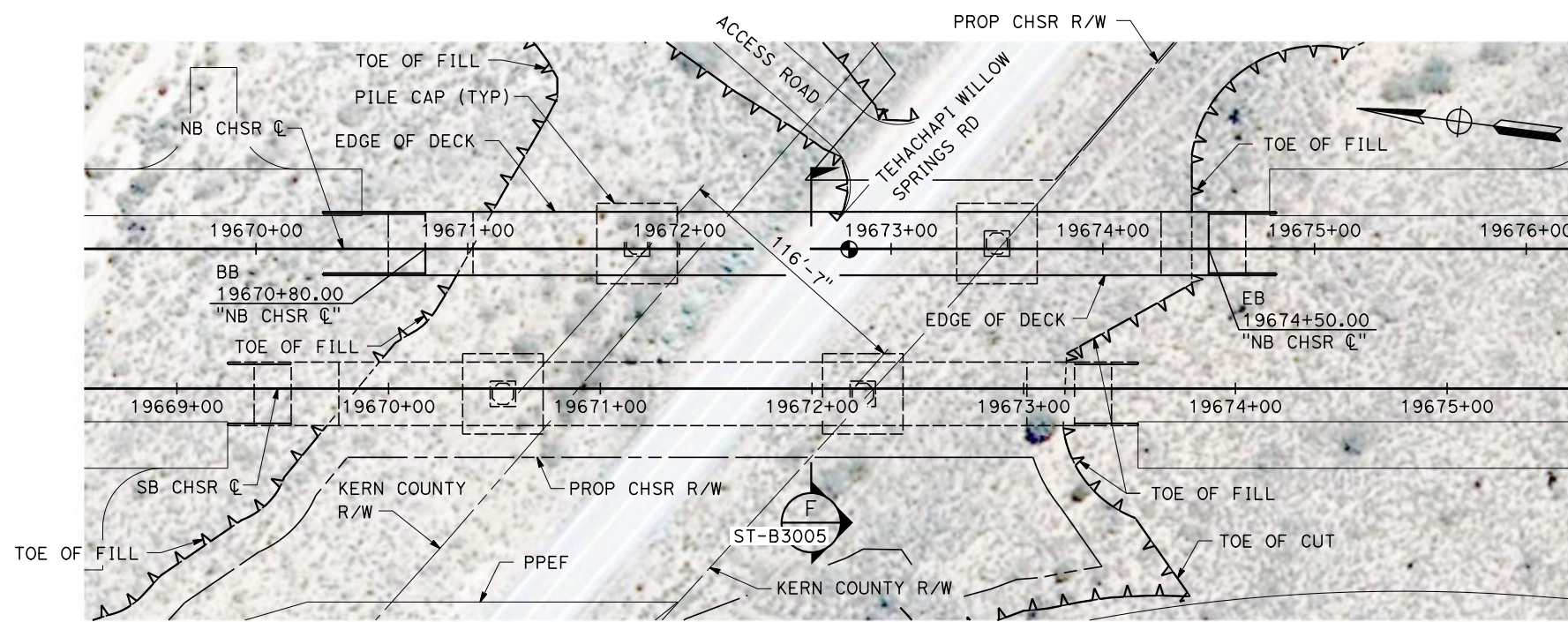
SCALE  
AS SHOWN

SHEET NO.  
84

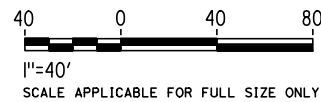




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1064  
1/21/2021 3:14:49 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
TEHACHAPI WILLOW SPRINGS ROAD NORTH UNDERPASS - 2  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1064  
SCALE  
AS SHOWN  
SHEET NO.  
85

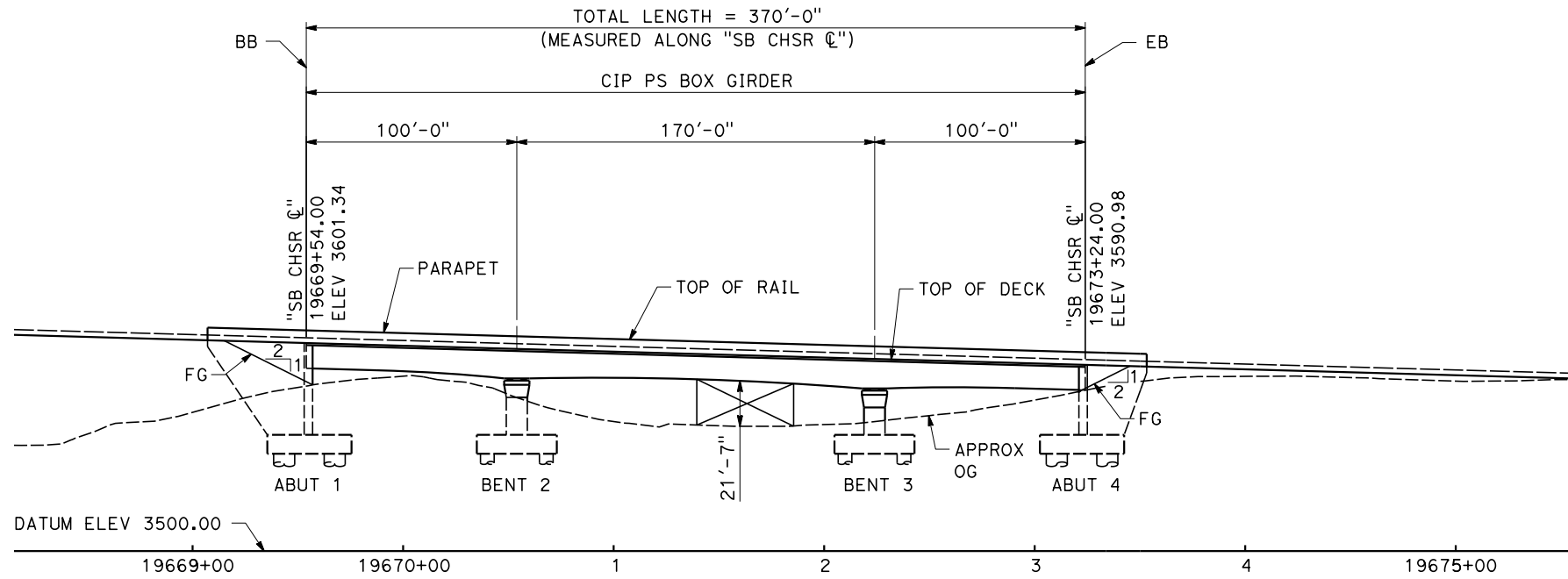
19442+04.90 EVC  
ELEV 4238.32

-2.80%

19935+93.65 BVC  
ELEV 2855.43

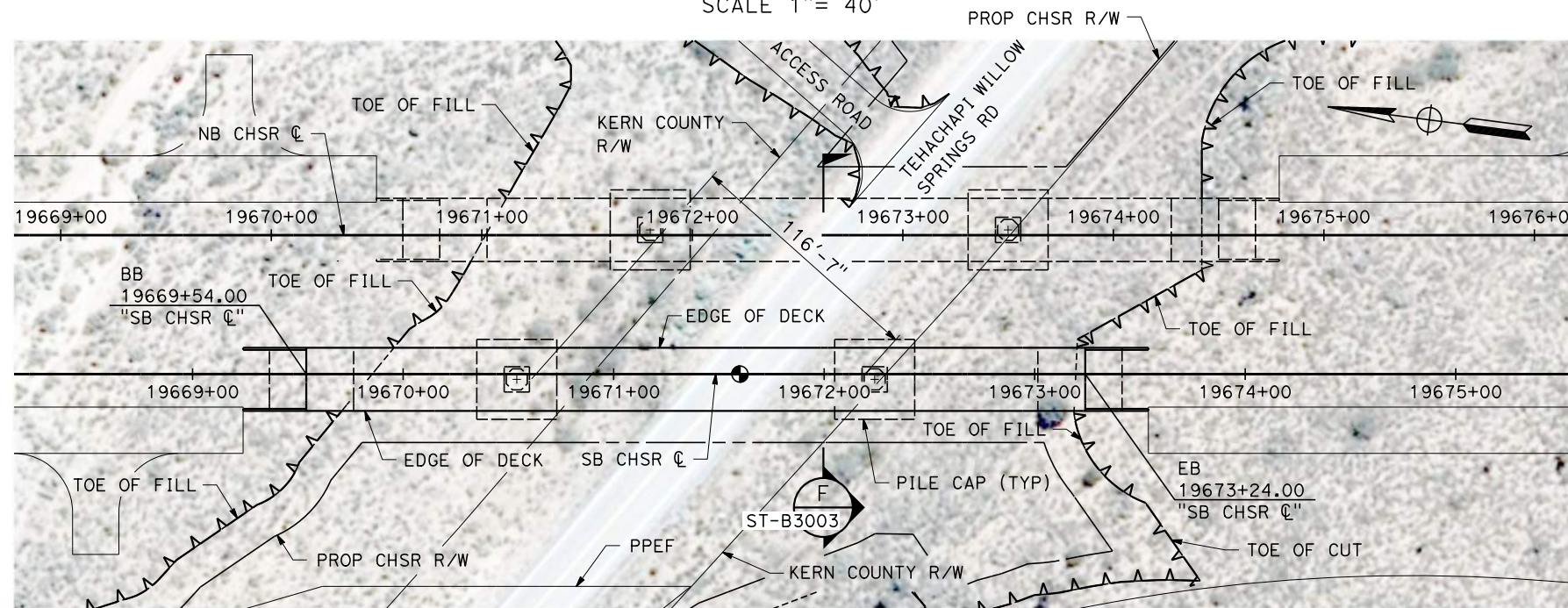
**TOP OF RAIL "SB CHSR ☉"**

NO SCALE



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1065 3:15:08 AM 1/21/2021 jcs\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

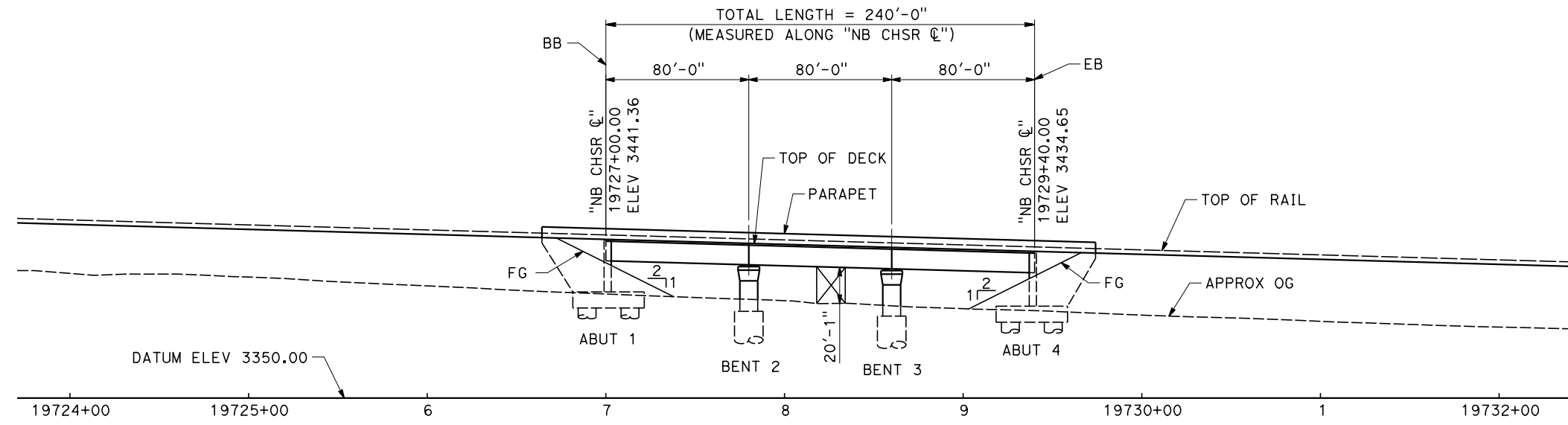
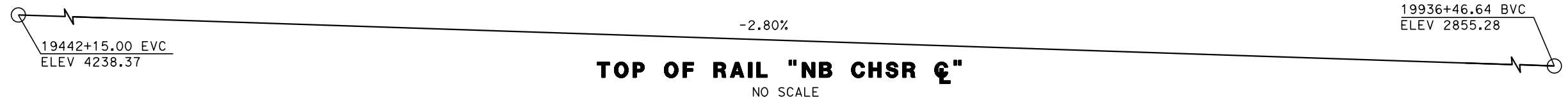
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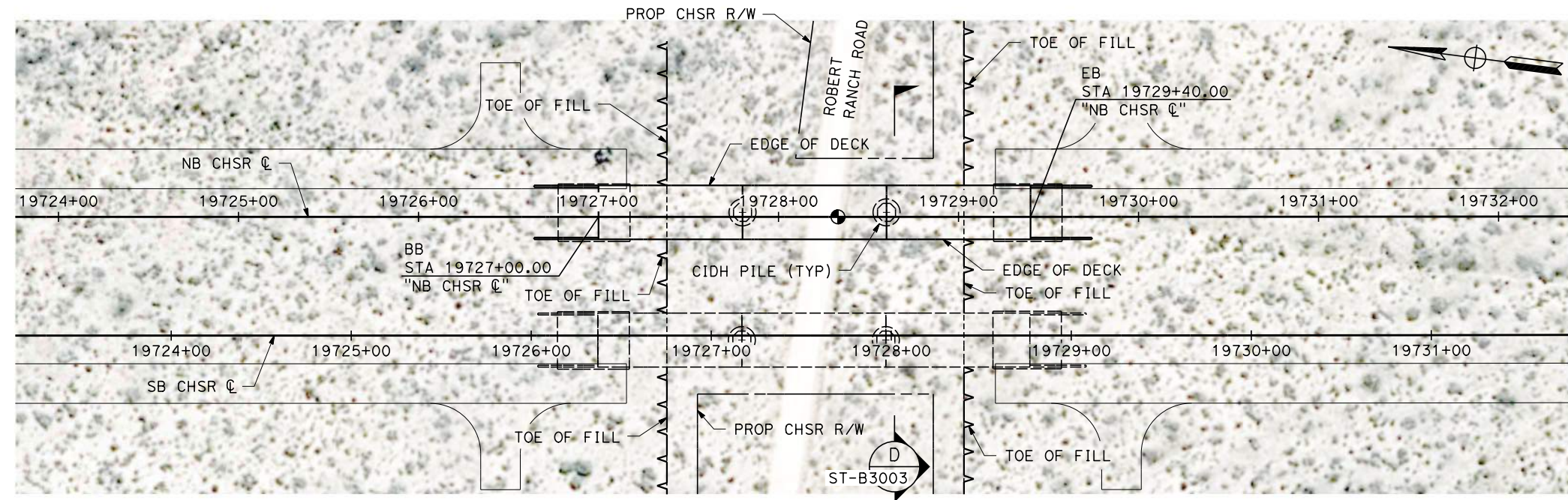
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
TEHACHAPI WILLOW SPRINGS ROAD SOUTH UNDERPASS - 2  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1065  
SCALE  
AS SHOWN  
SHEET NO.  
86

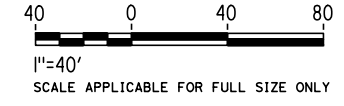




**ELEVATION**  
SCALE 1"= 40'



**PLAN**  
SCALE 1"= 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1066  
3:15:12 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

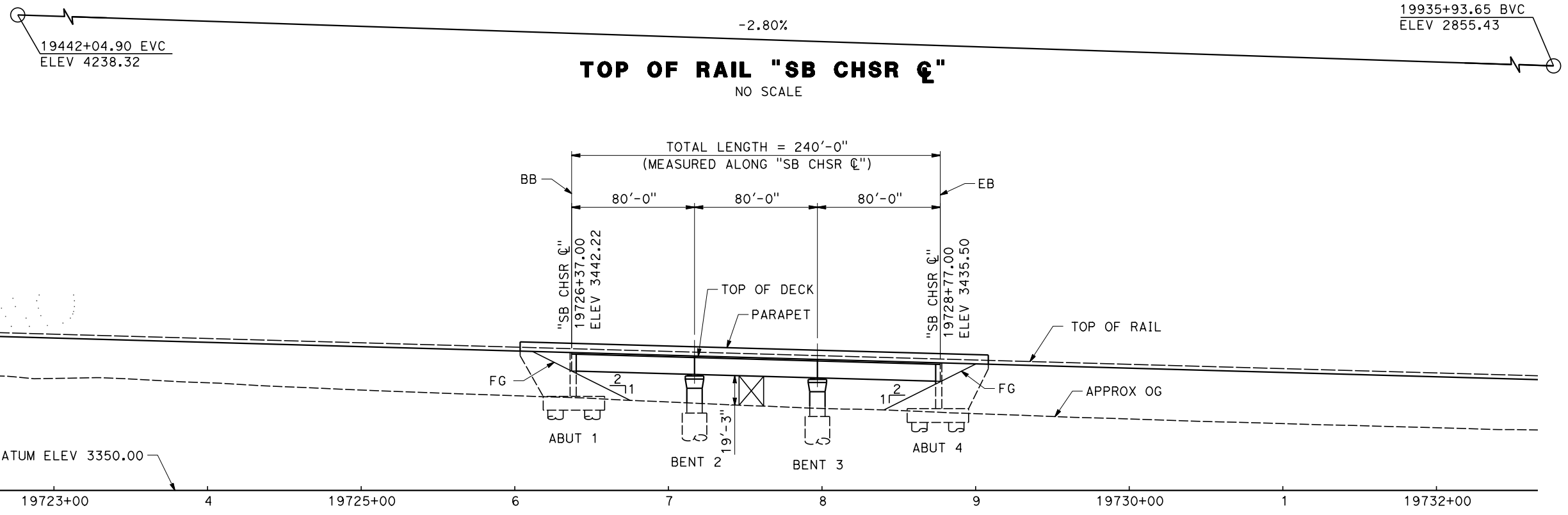
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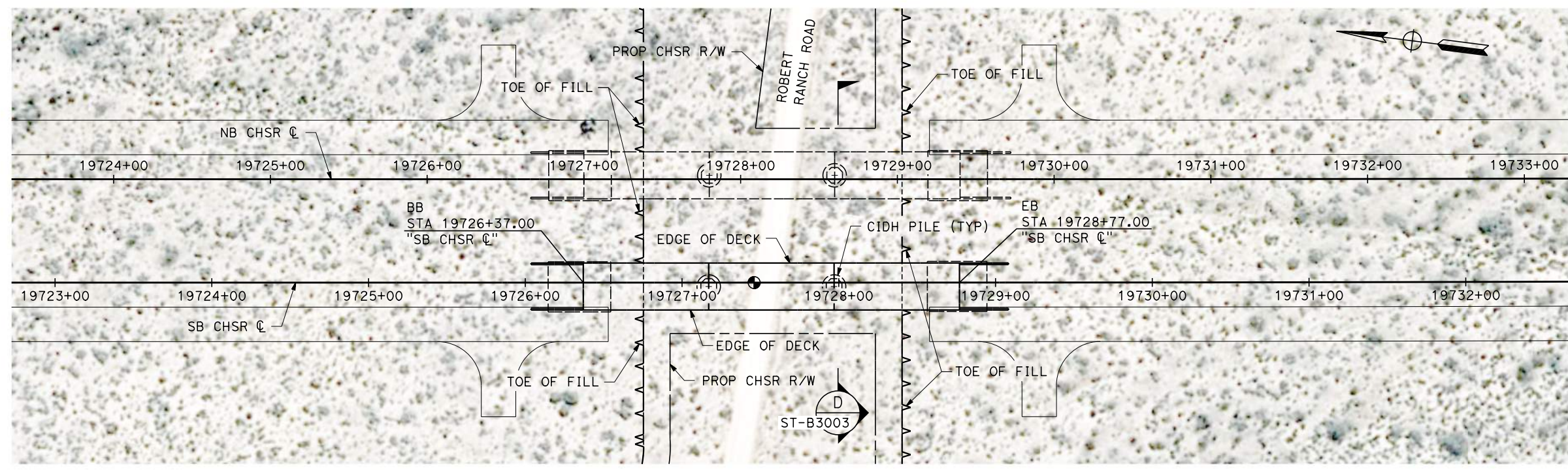
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
ROBERT RANCH RD NORTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1066  
SCALE  
AS SHOWN  
SHEET NO.  
87

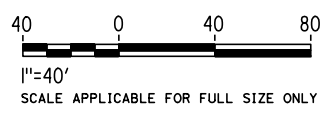




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1067  
3:14:09 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
ROBERT RANCH RD SOUTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

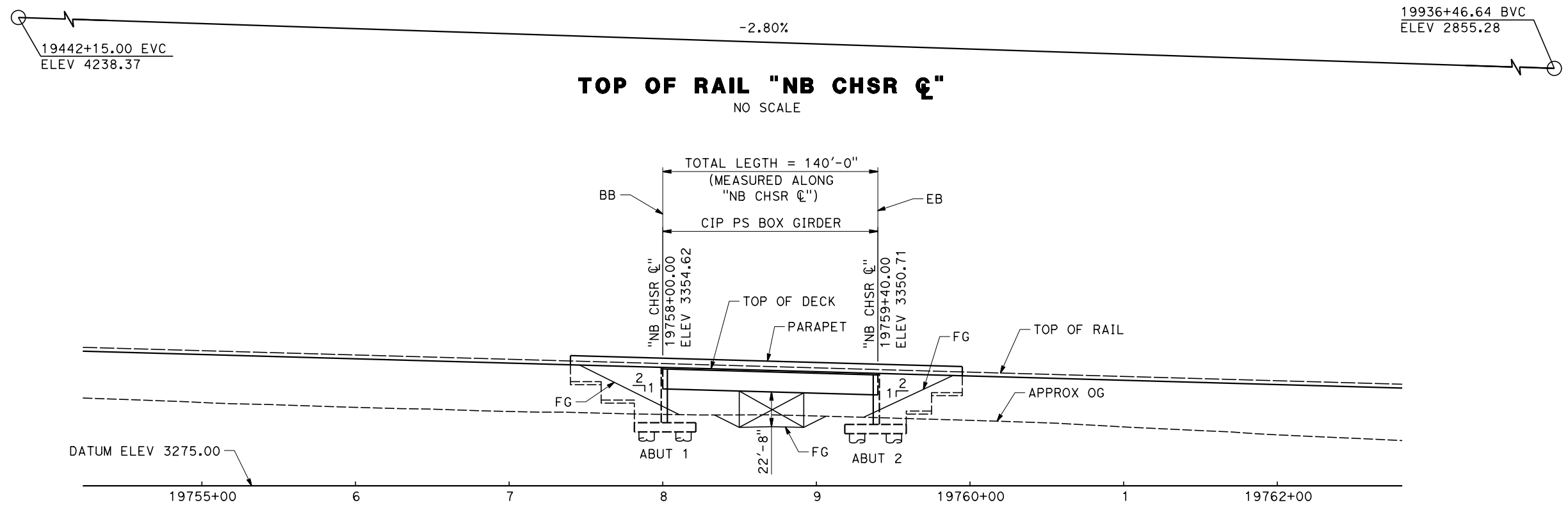
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SCALE  
AS SHOWN

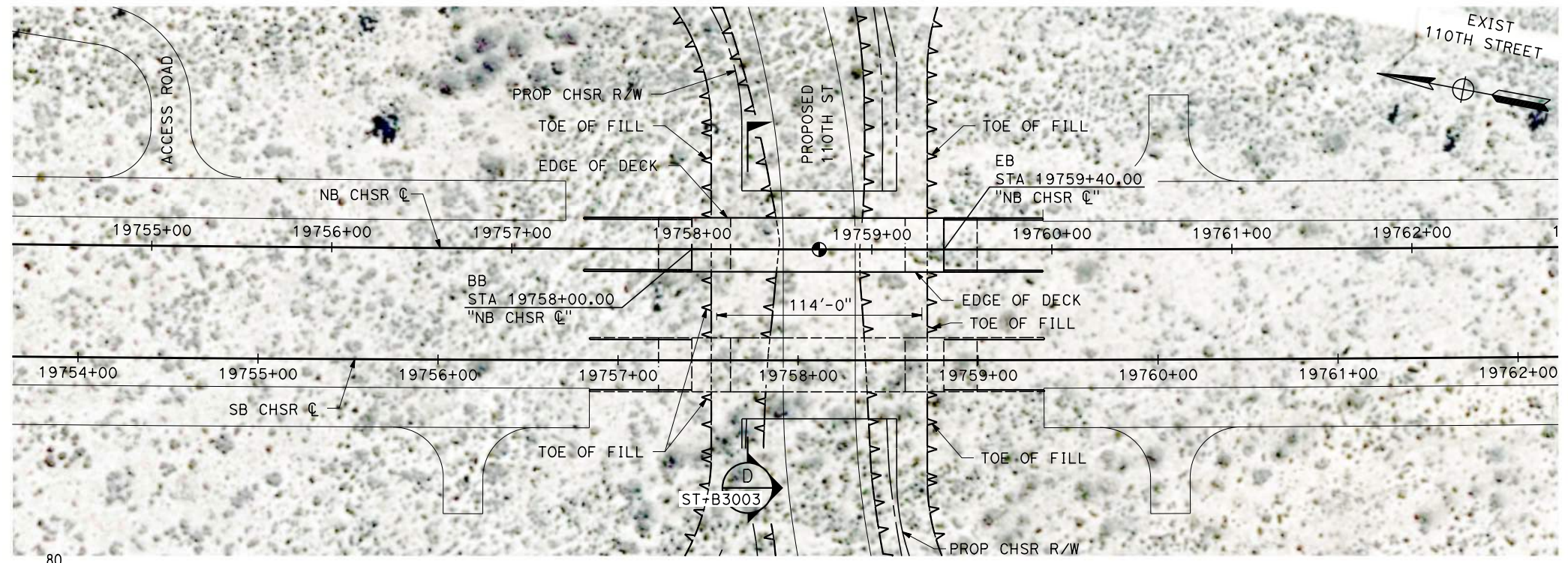
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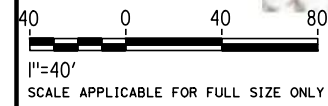
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**ELEVATION**  
 SCALE 1"= 40'



**PLAN**  
 SCALE 1"= 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
 DRAWN BY  
**Y. WANG**  
 CHECKED BY  
**R. BARTON**  
 IN CHARGE  
**G. CAMPBELL**  
 DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

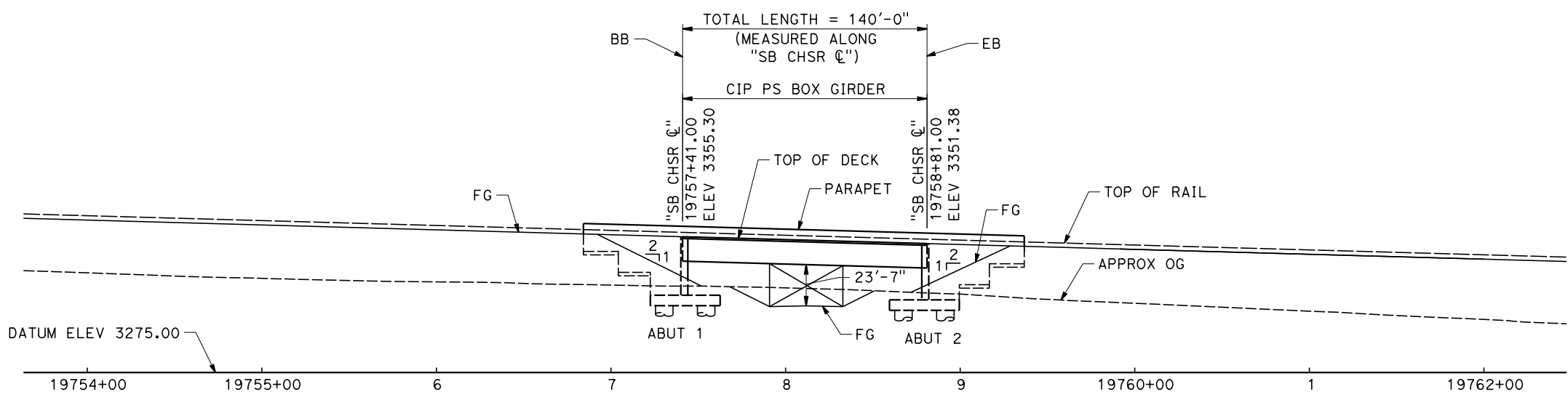


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 ALTERNATIVES 1,2,5  
 TRACK STRUCTURES  
 110TH STREET NORTH UNDERPASS  
 PLAN AND ELEVATION

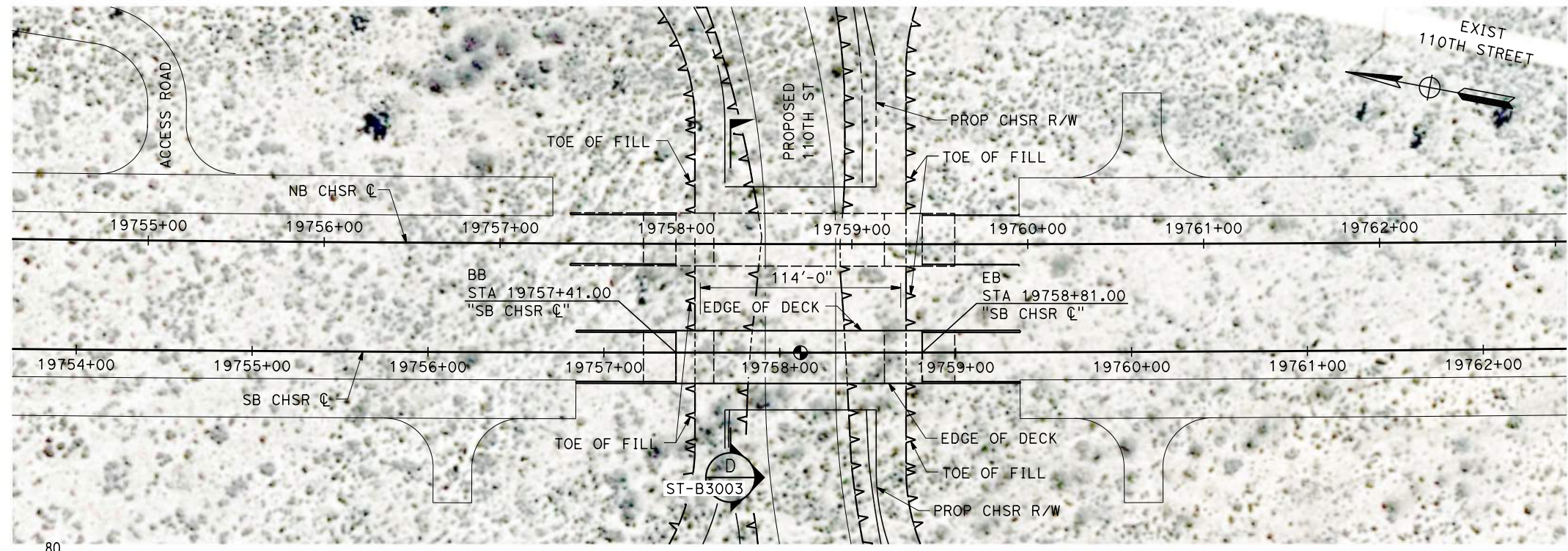
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 DRAWING NO.  
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 SCALE  
 AS SHOWN  
 SHEET NO.  
 89



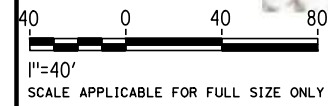
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**ELEVATION**  
SCALE 1"= 40'



**PLAN**  
SCALE 1"= 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
110TH STREET SOUTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

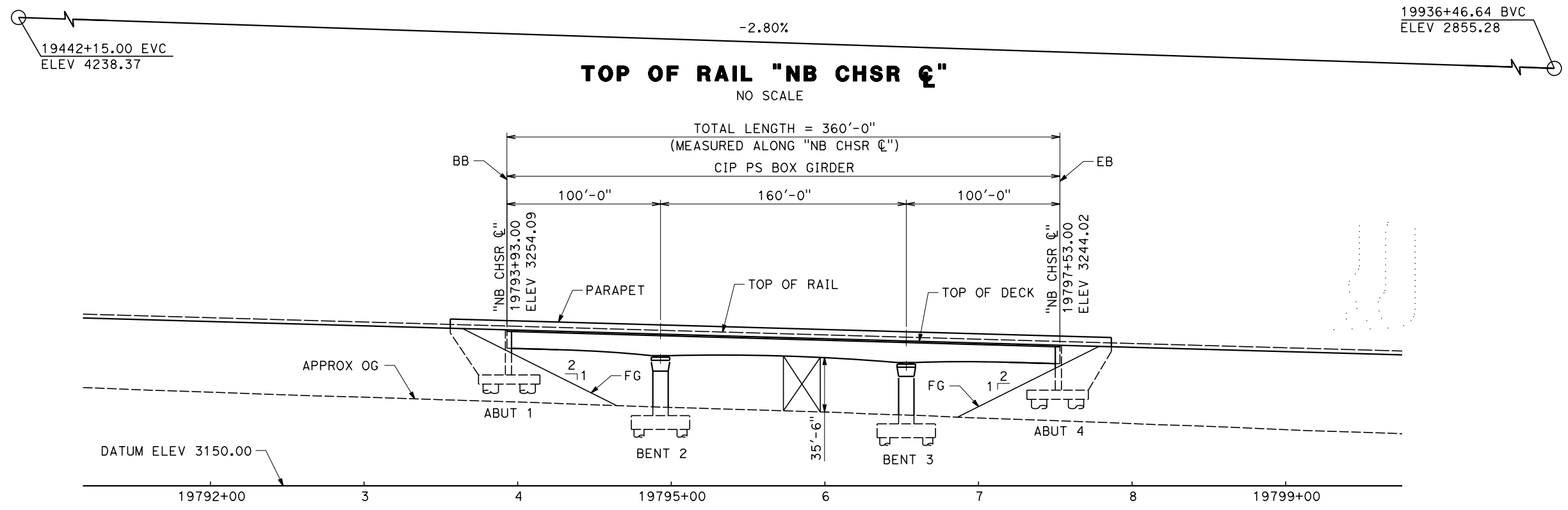
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ST-J1069

SCALE  
AS SHOWN

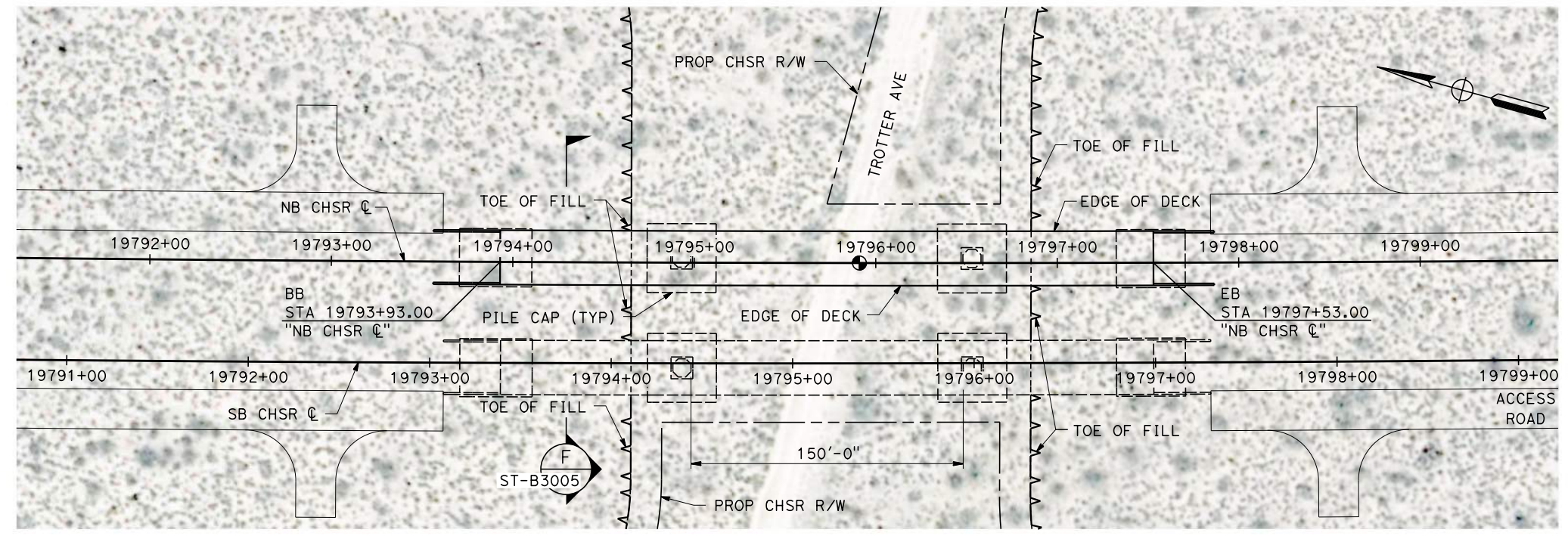
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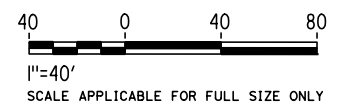
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1/21/2021  
ics\_user\_17609



**ELEVATION**  
SCALE 1"= 40'



**PLAN**  
SCALE 1"= 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

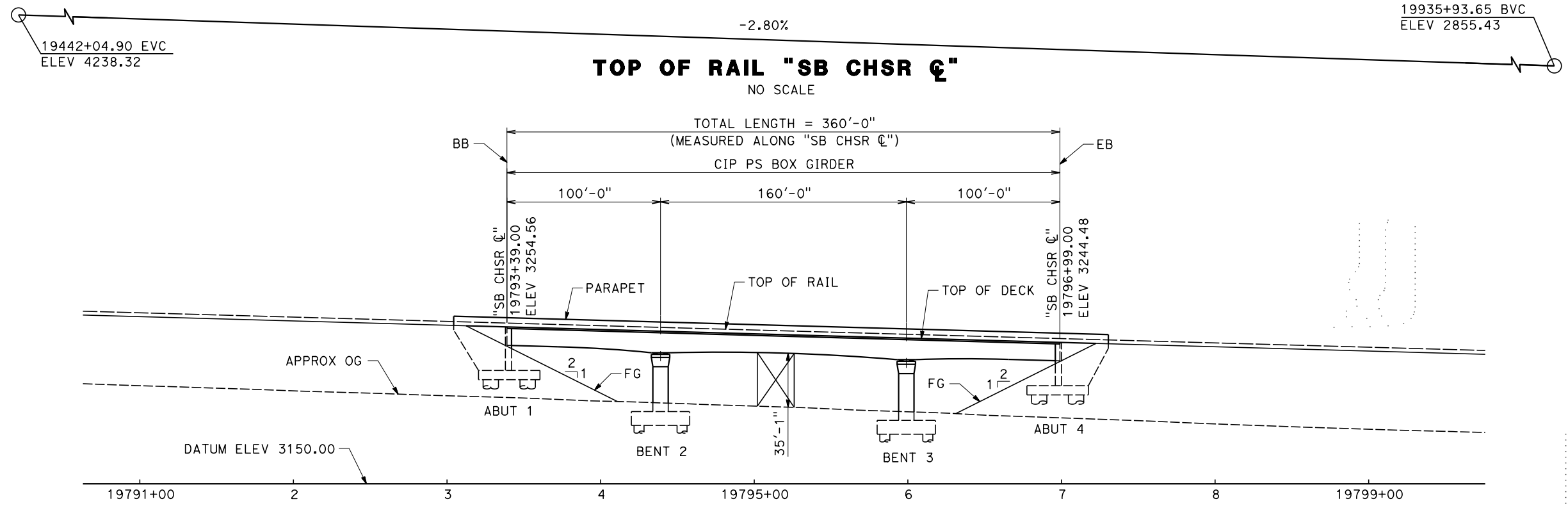
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**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

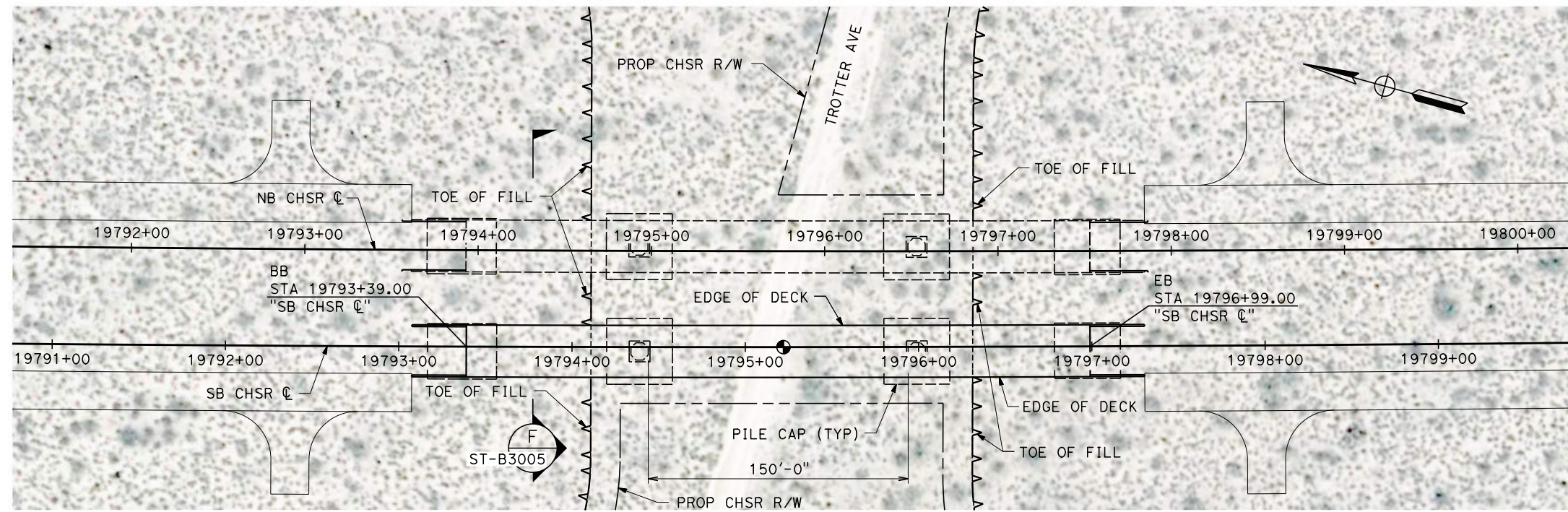


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
TROTTER AVENUE NORTH UNDERPASS  
PLAN AND ELEVATION

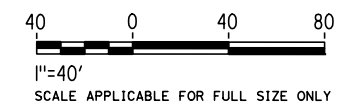
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HSR13-44  
DRAWING NO.  
ST-J1070  
SCALE  
AS SHOWN  
SHEET NO.  
91



**ELEVATION**  
SCALE 1"= 40'



**PLAN**  
SCALE 1"= 40'



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1/21/2021 3:18:12 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

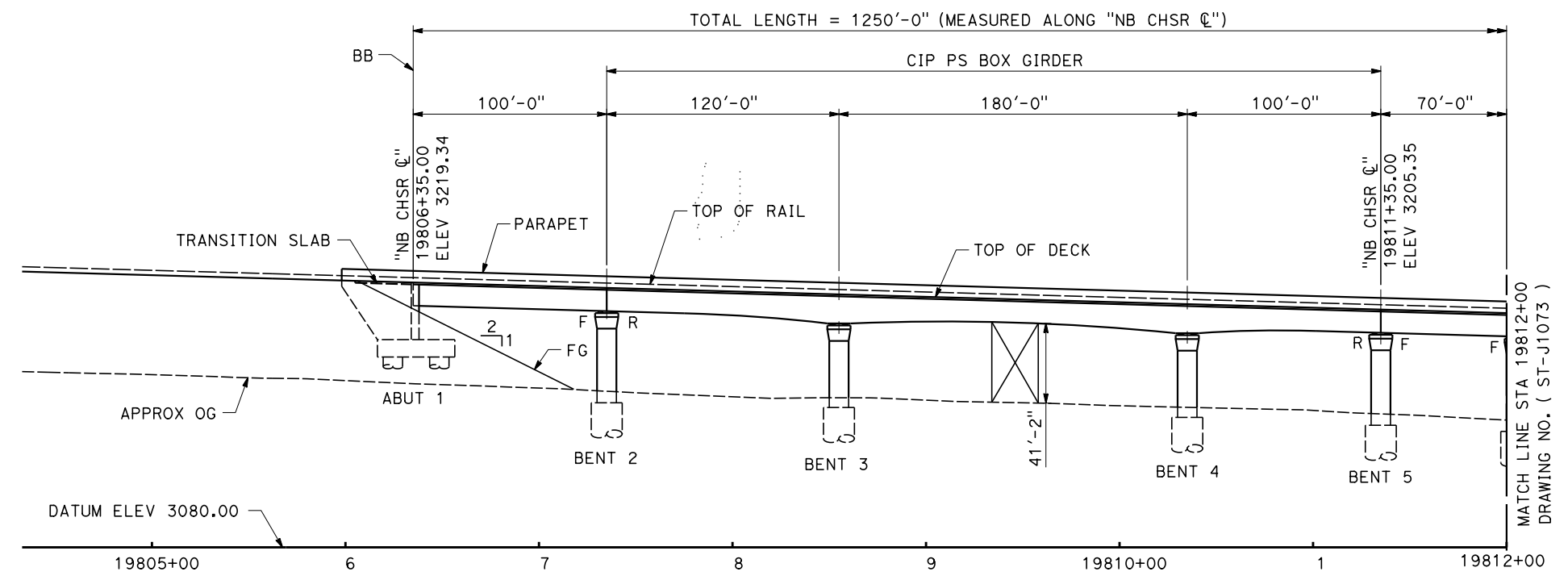
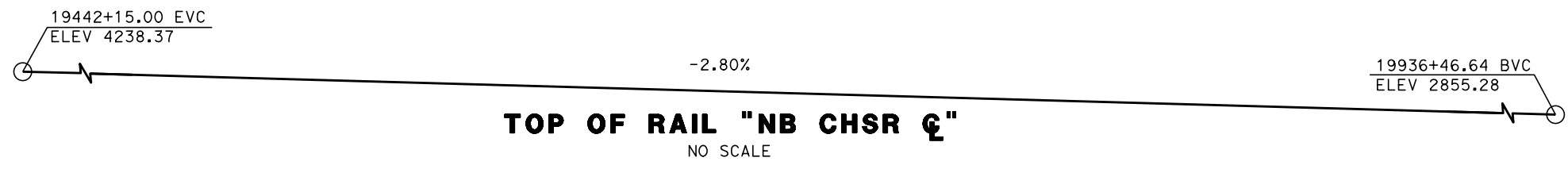


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
TROTTER AVENUE SOUTH UNDERPASS  
PLAN AND ELEVATION

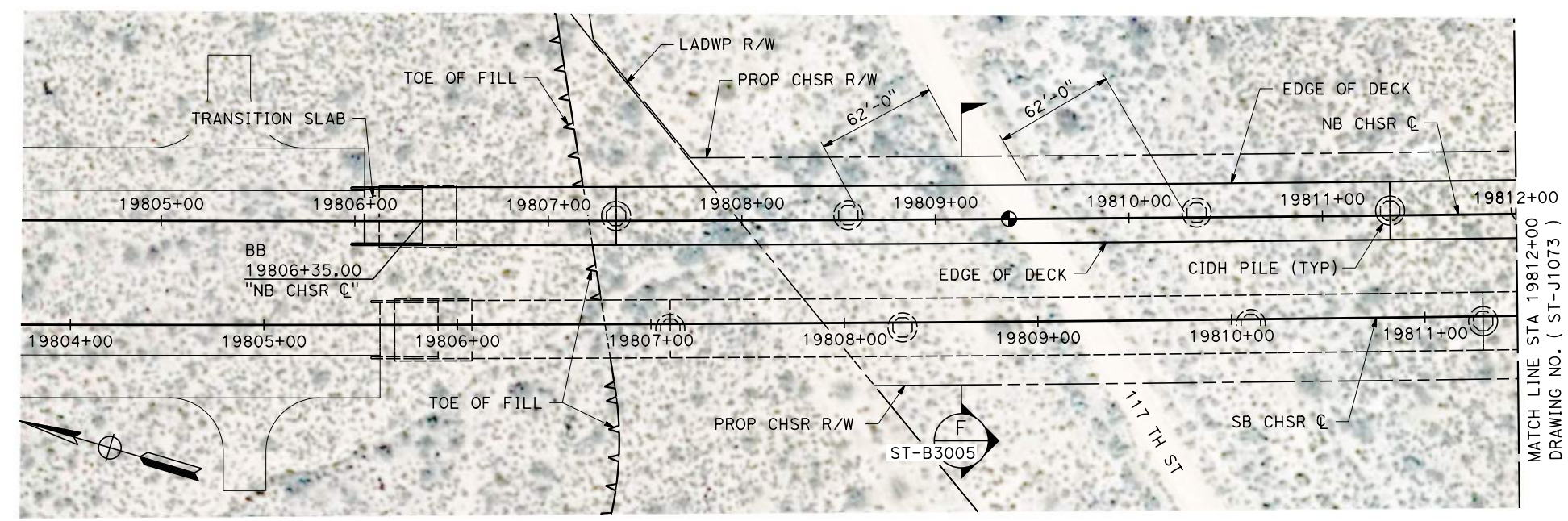
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DRAWING NO.  
ST-J1071  
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AS SHOWN  
SHEET NO.  
92



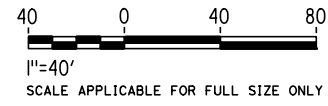
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1/21/2021 3:14:31 AM  
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

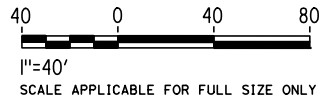
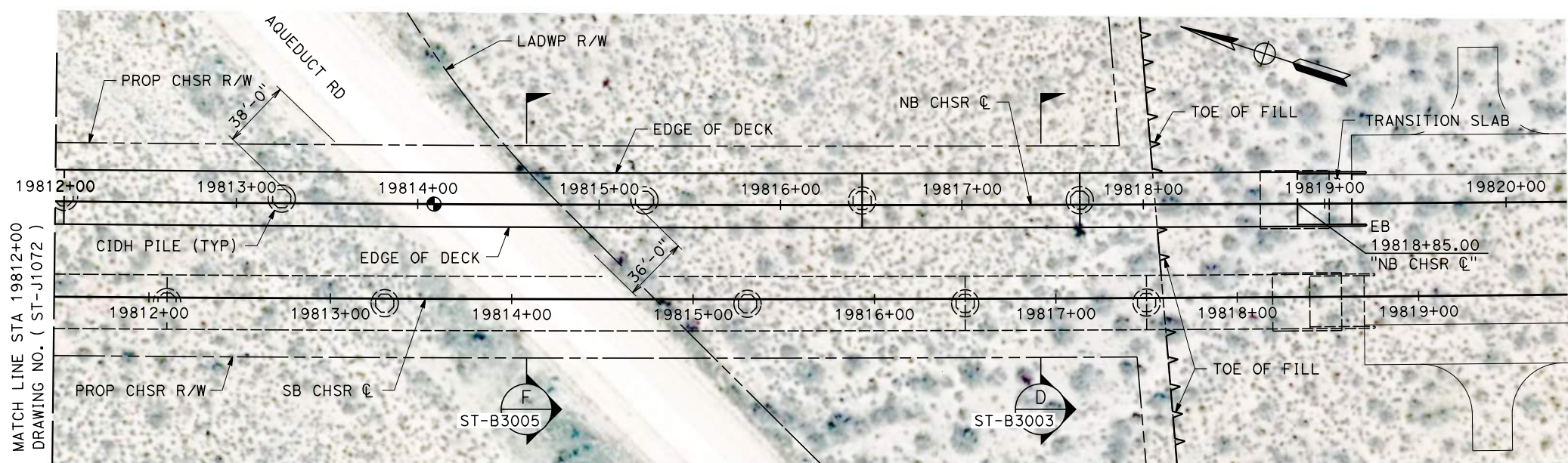
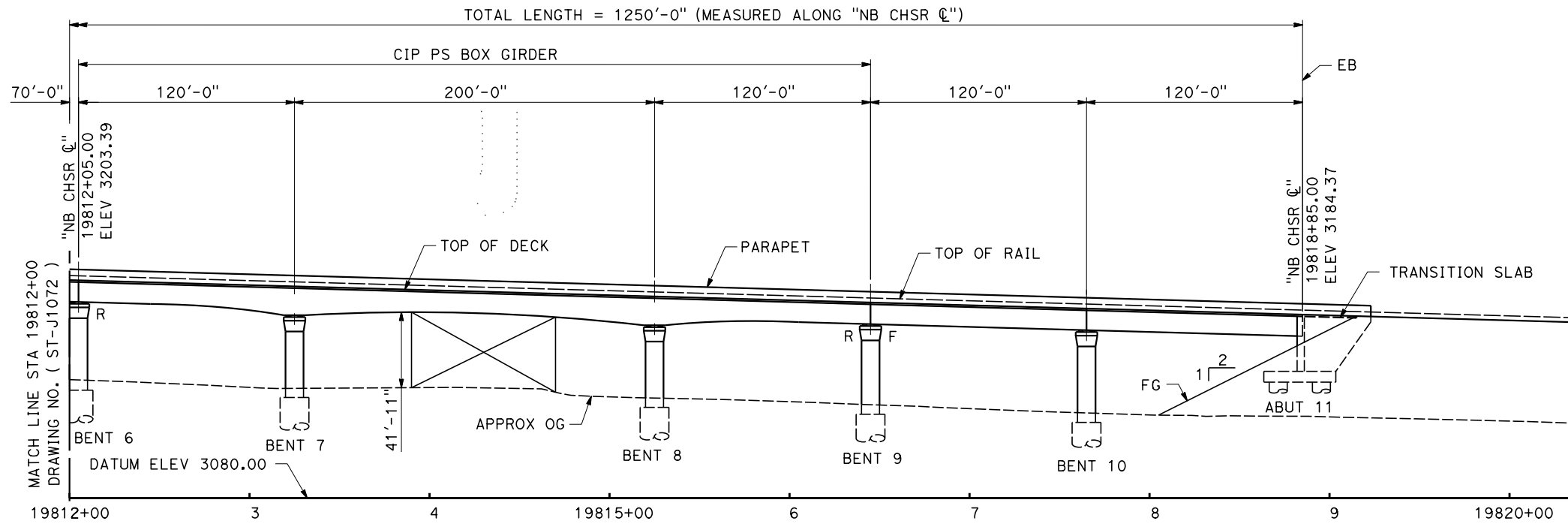
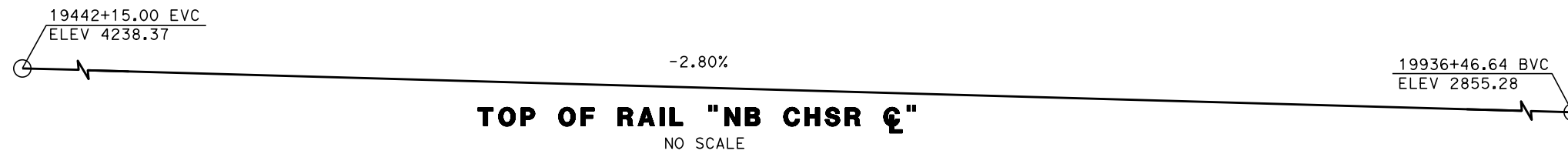
**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
AQUEDUCT ROAD NORTH VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1072  
SCALE  
AS SHOWN  
SHEET NO.  
93



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

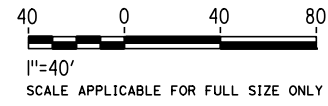
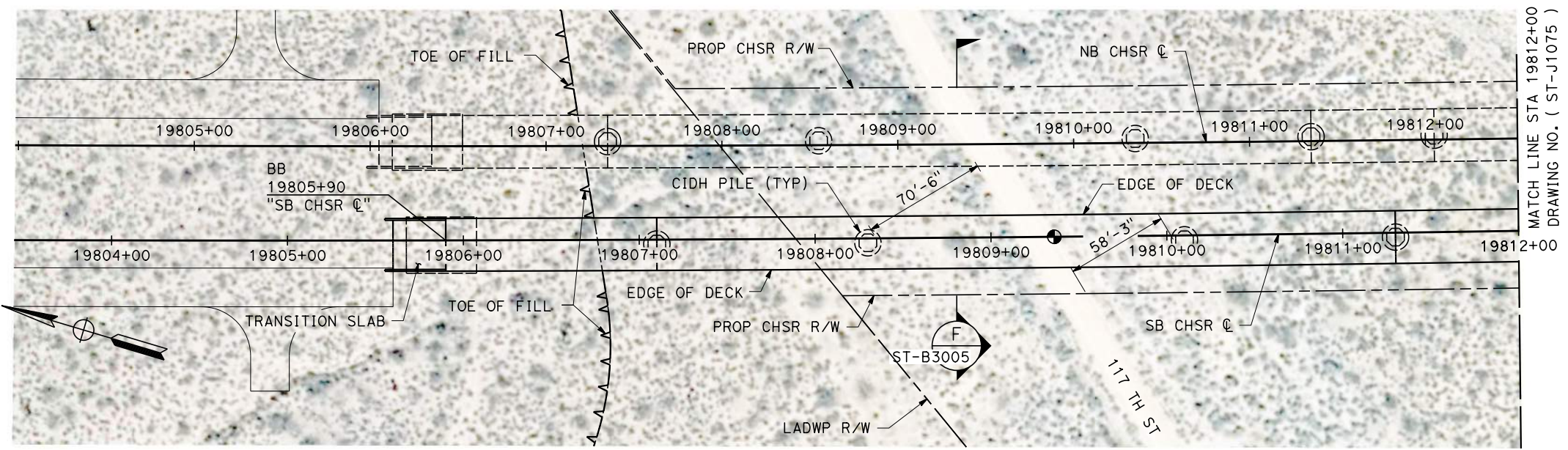
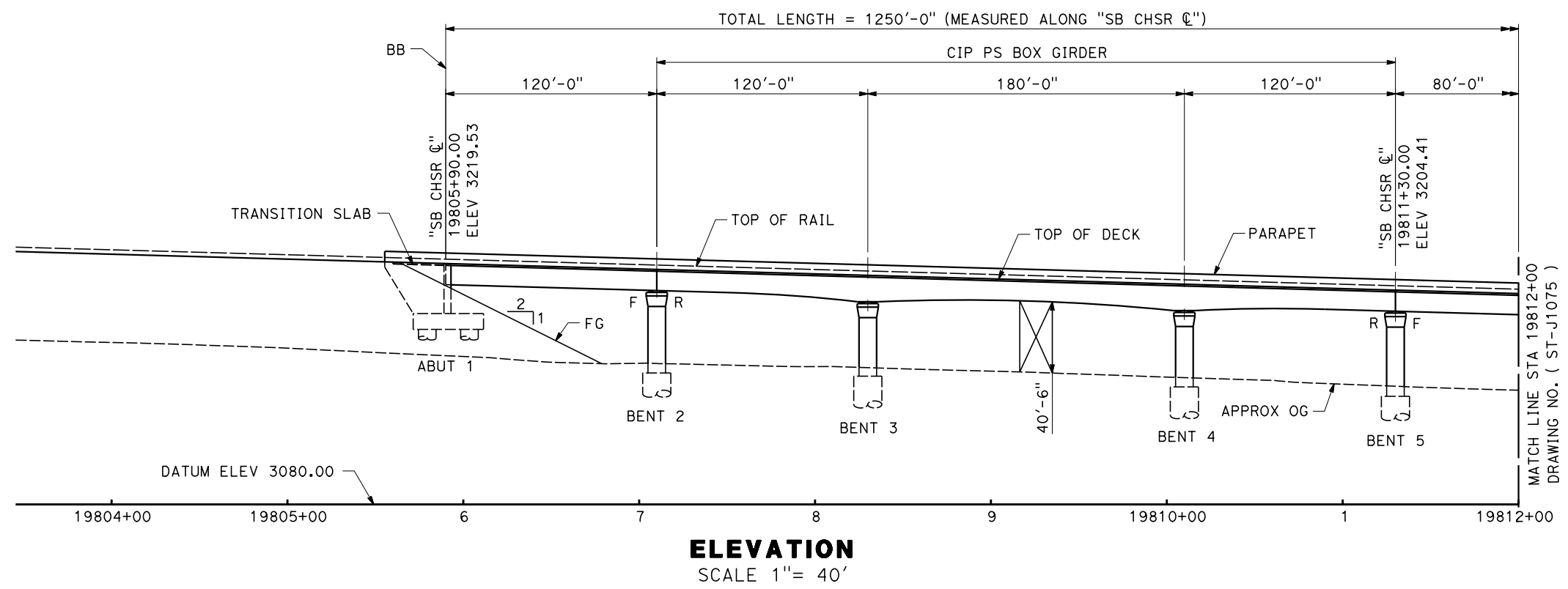
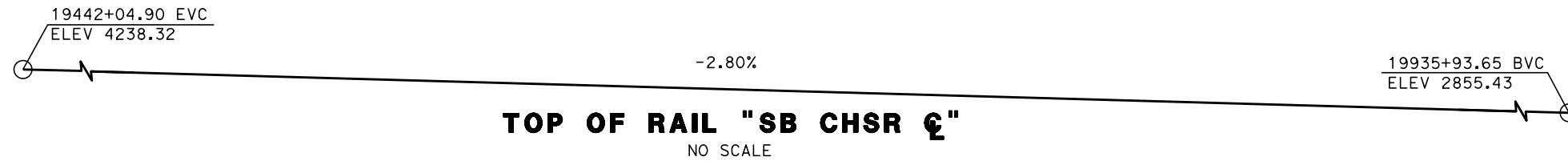


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
AQUEDUCT ROAD NORTH VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1073  
SCALE  
AS SHOWN  
SHEET NO.  
94



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1/21/2021 3:16:45 AM  
ics\_user\_17609



**PLAN**  
SCALE 1" = 40'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
AQUEDUCT ROAD SOUTH VIADUCT  
PLAN AND ELEVATION

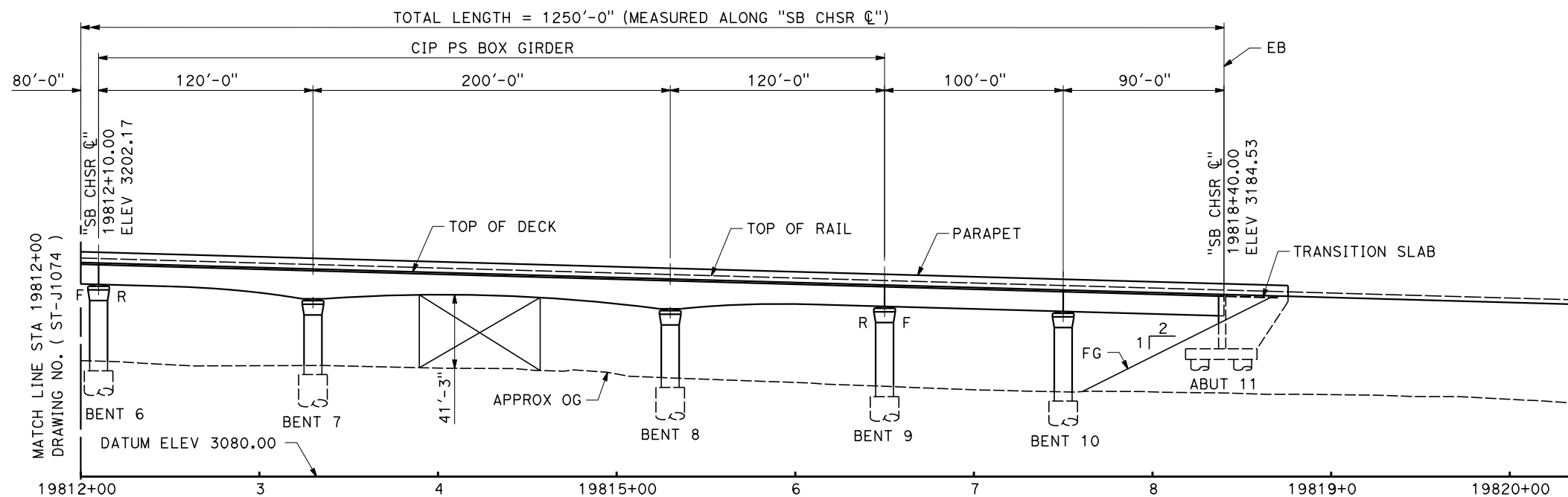
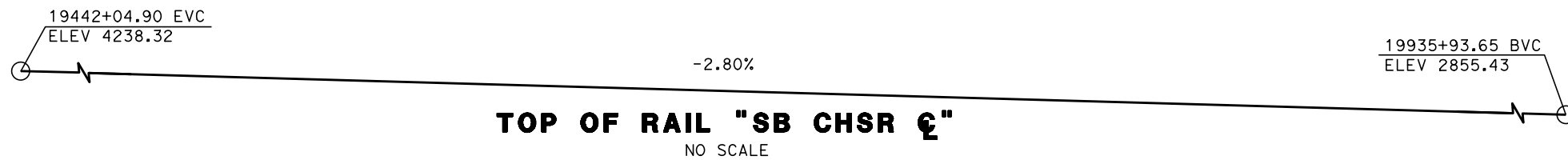
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SHEET NO.  
95

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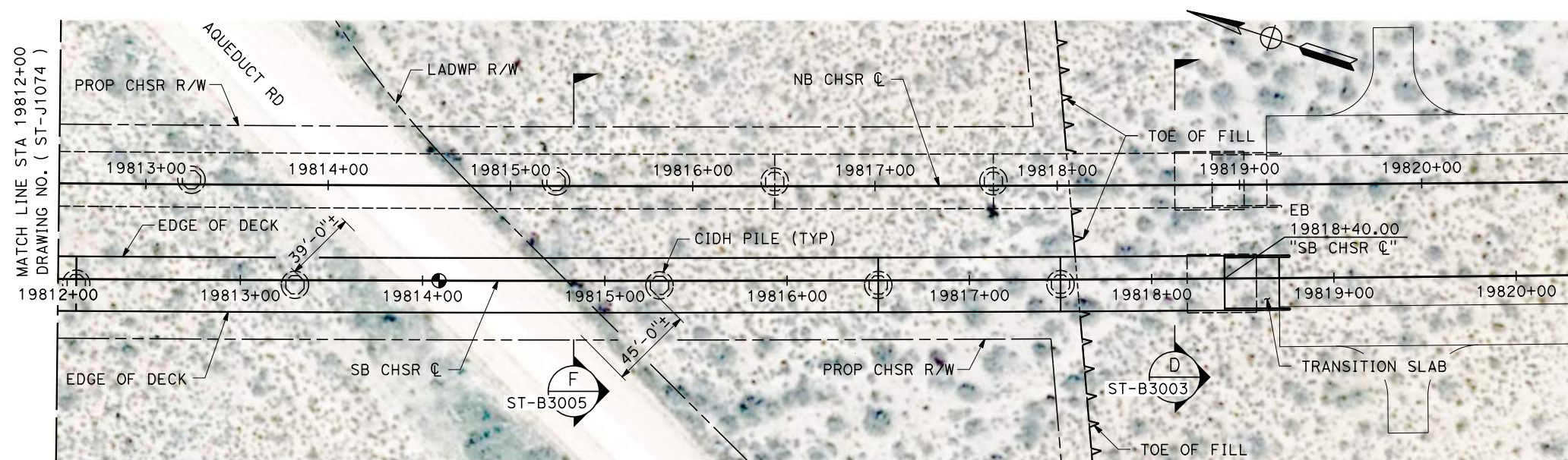
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1/21/2021

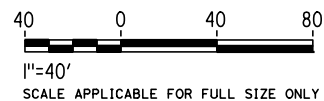
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

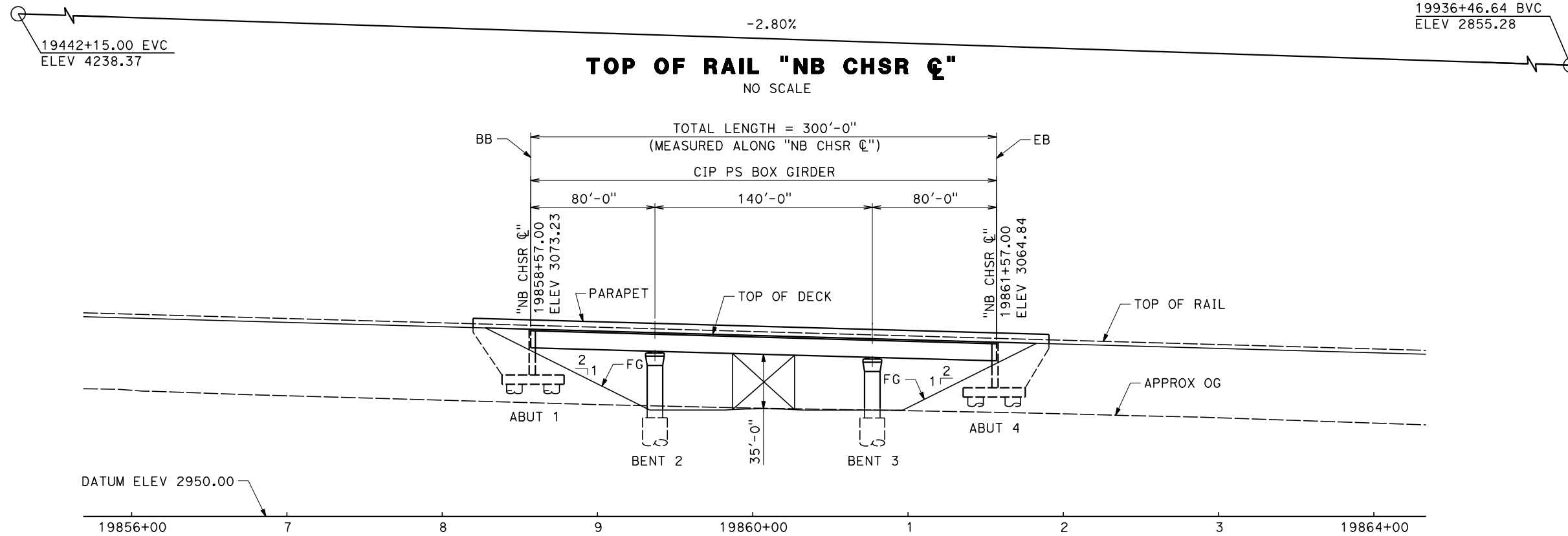
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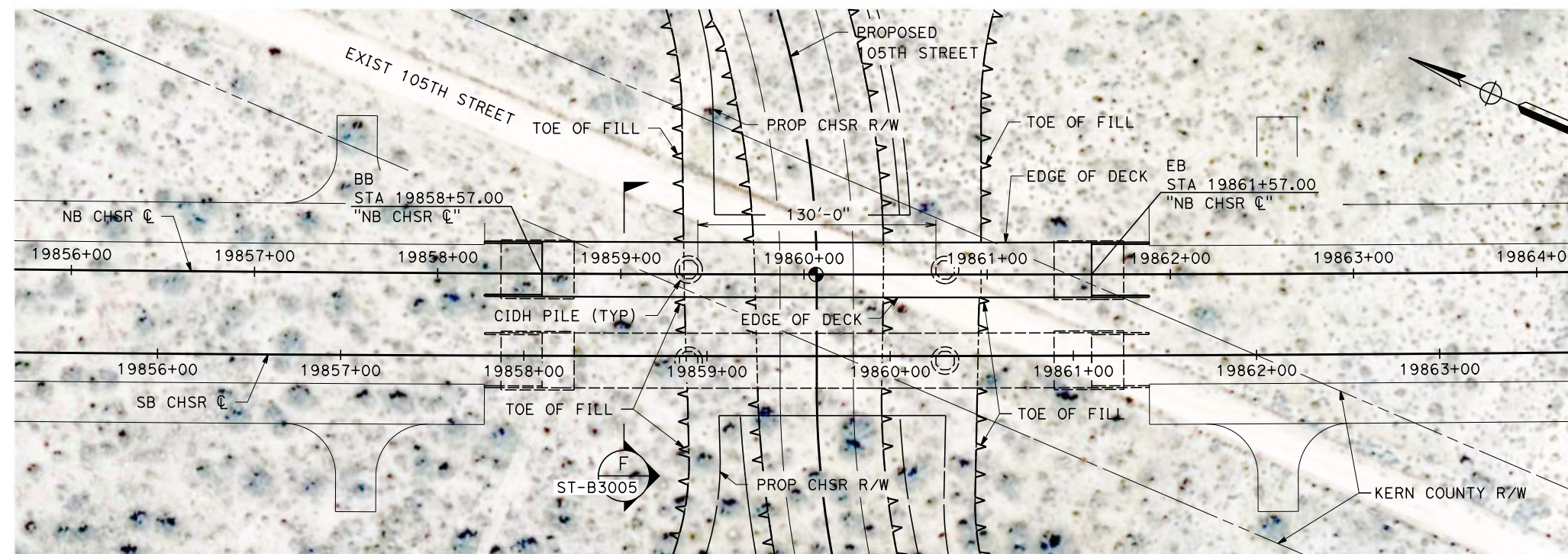
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
AQUEDUCT ROAD SOUTH VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1075  
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AS SHOWN  
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96

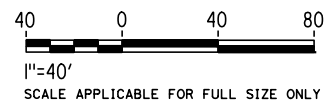




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1078

3:15:51 AM

1/21/2021

jcs\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

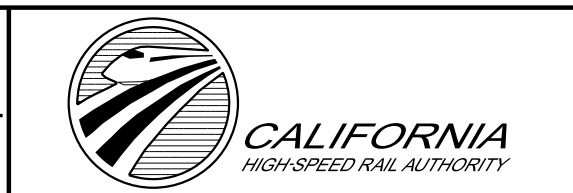
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**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



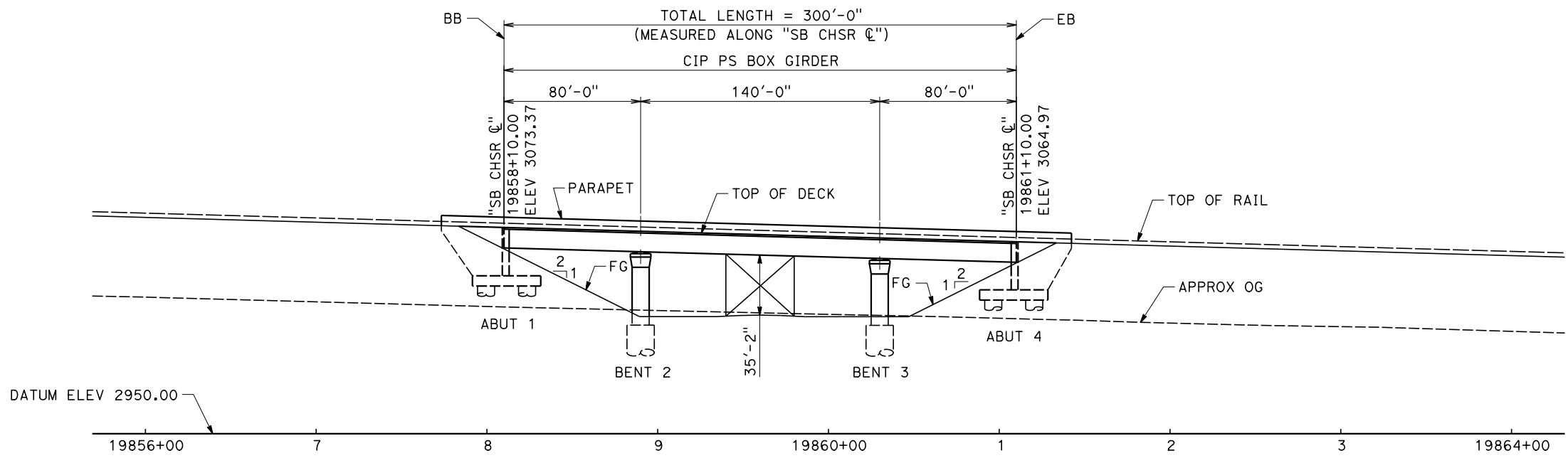
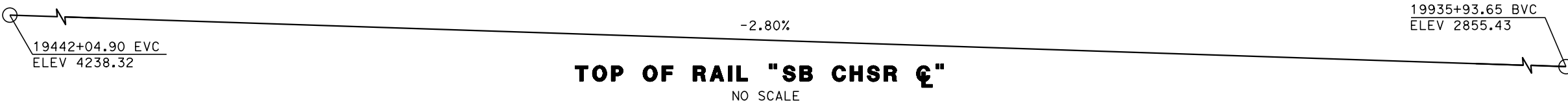
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
105TH STREET NORTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

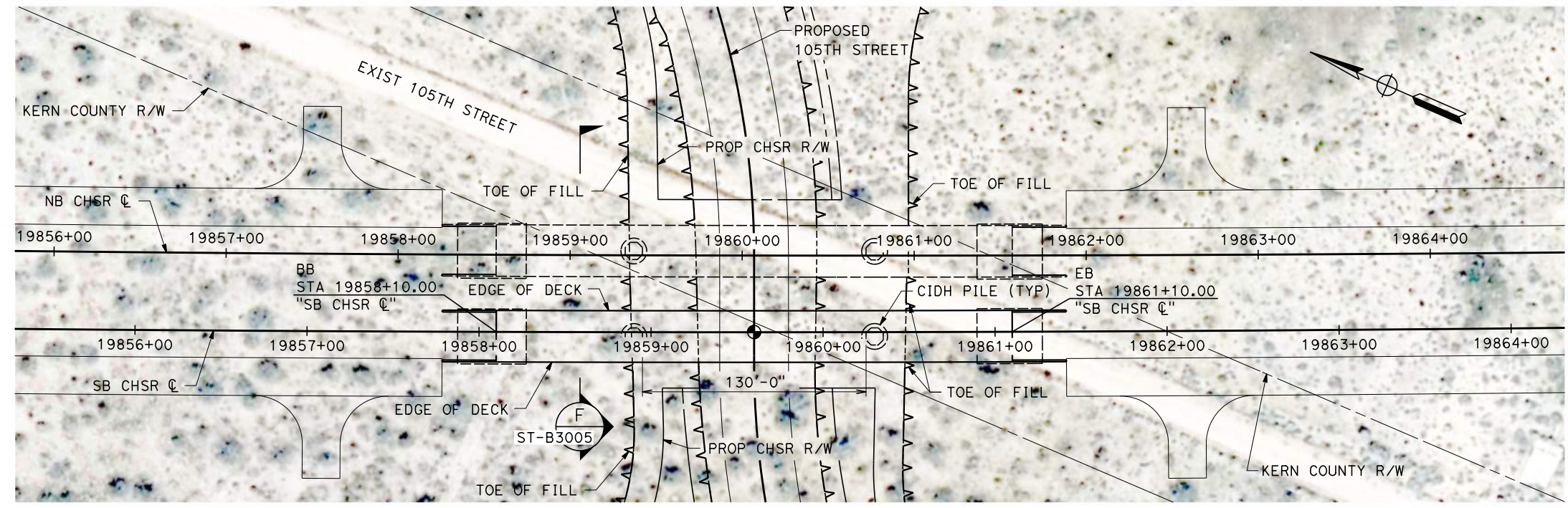
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ST-J1078

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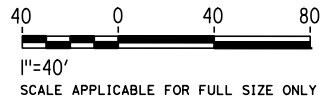
SHEET NO.  
97



**ELEVATION**  
SCALE 1"= 40'



**PLAN**  
SCALE 1"= 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1079  
1/21/2021 3:15:26 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

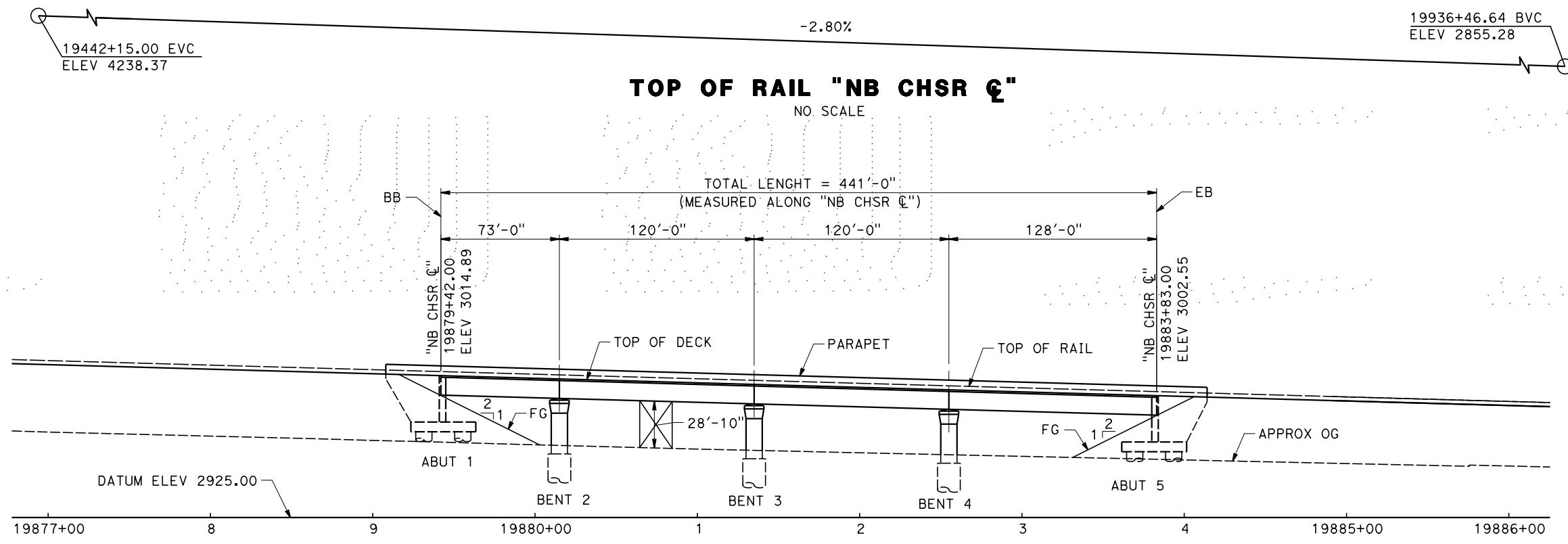
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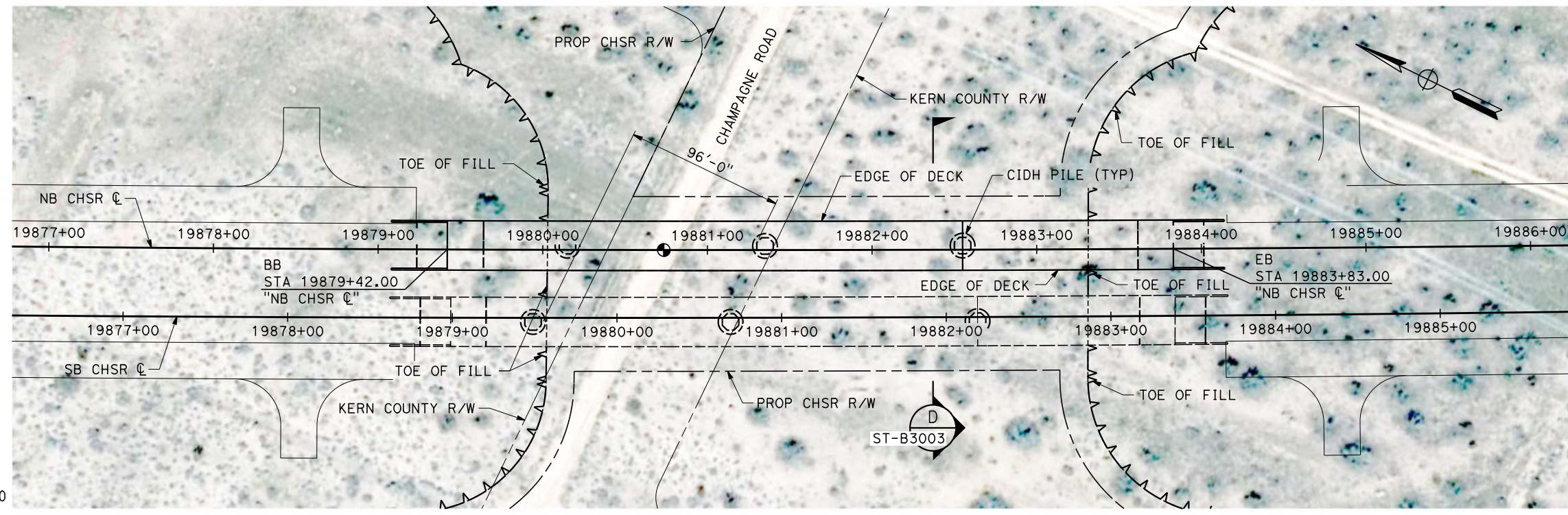
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
105TH STREET SOUTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1079  
SCALE  
AS SHOWN  
SHEET NO.  
98

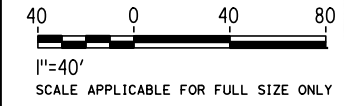




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\_BP-ST-J1080 1/21/2021 3:18:33 AM jcs\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



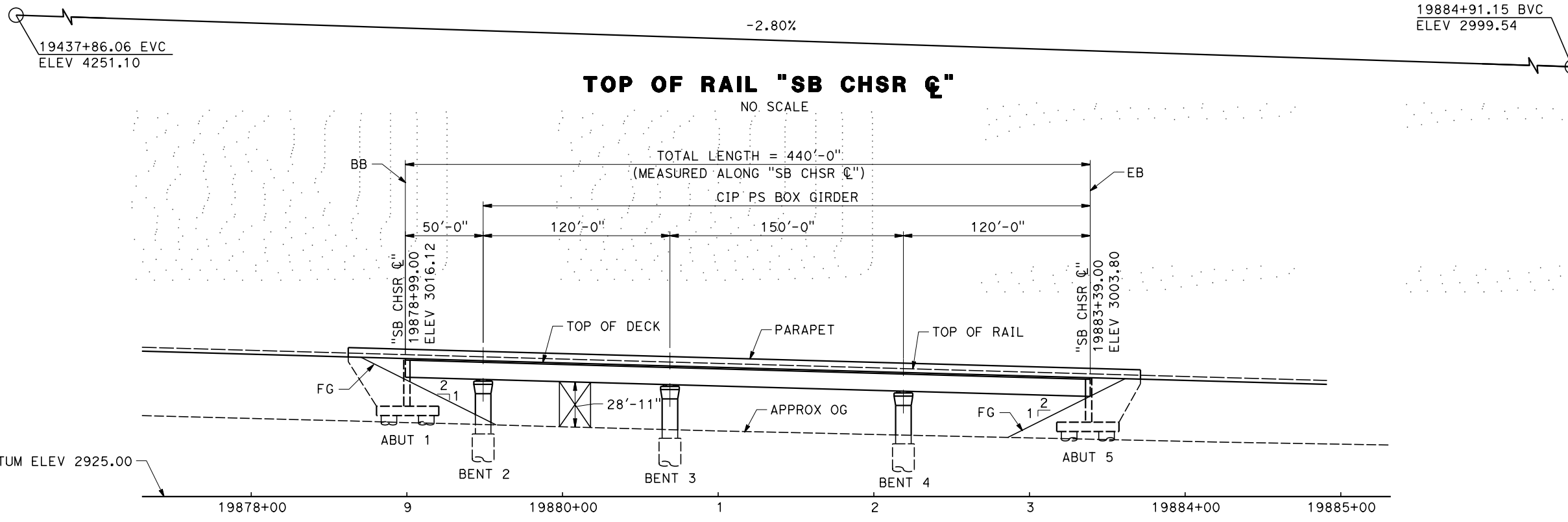
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
CHAMPAGNE ROAD NORTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

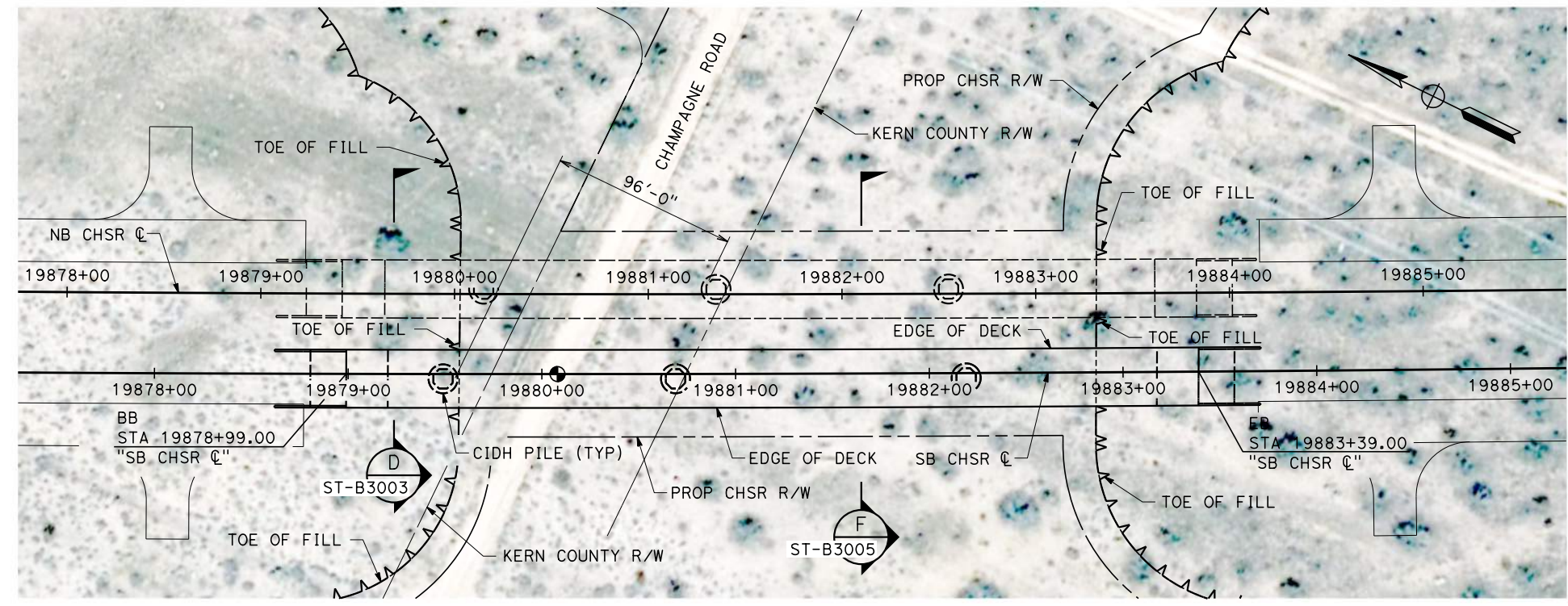
DRAWING NO.  
ST-J1080

SCALE  
AS SHOWN

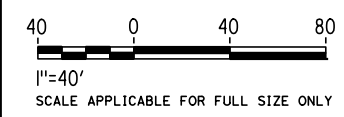
SHEET NO.  
99



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1081  
1/21/2021 3:14:52 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

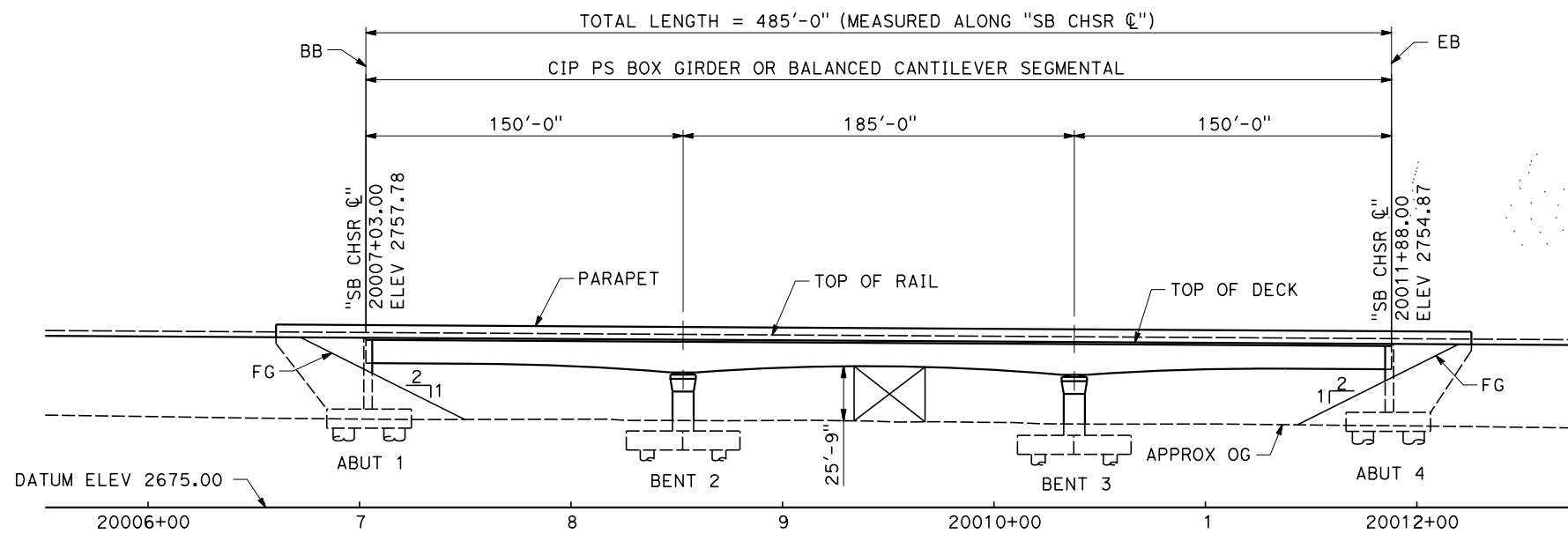
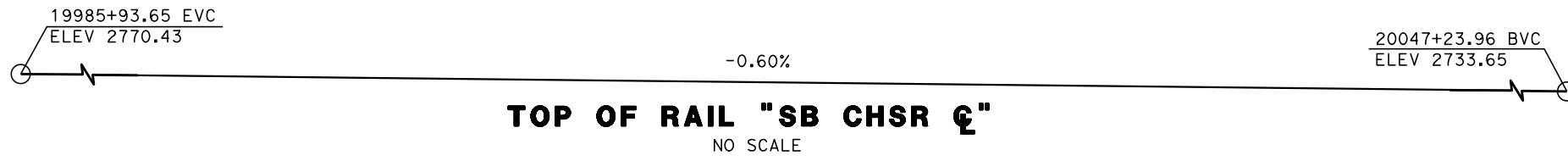
**NOT FOR**  
**CONSTRUCTION**



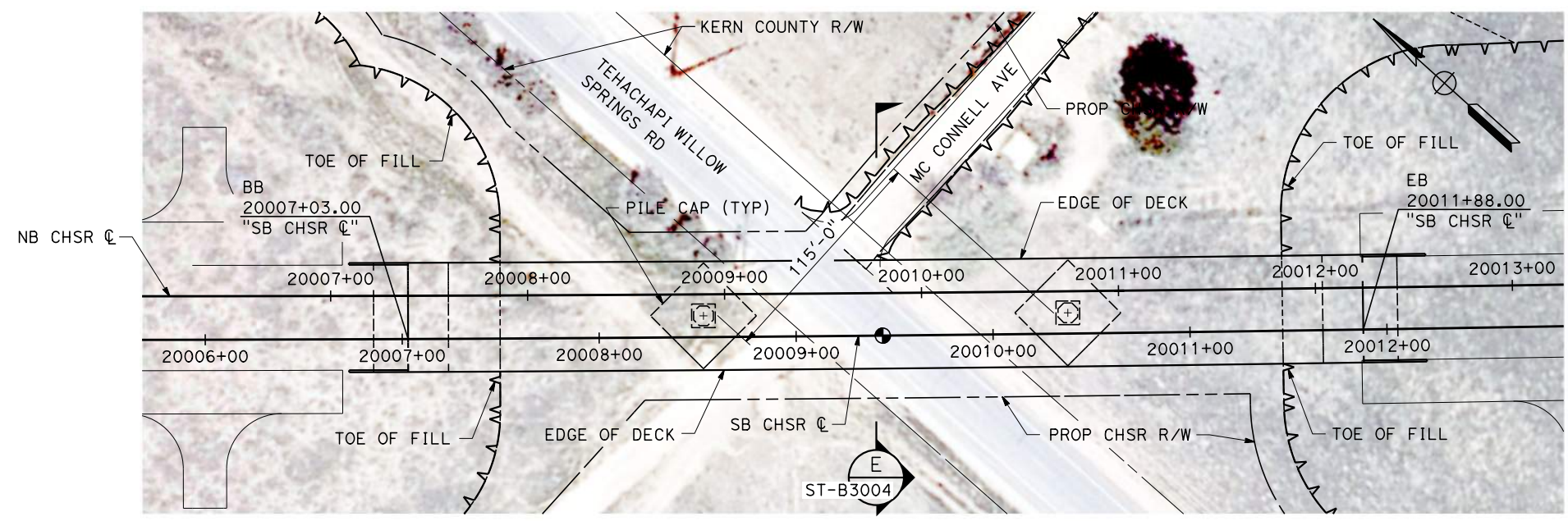
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
CHAMPAGNE ROAD SOUTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1081  
SCALE  
AS SHOWN  
SHEET NO.  
100

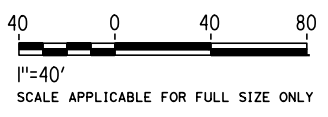




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1087  
3:16:10 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

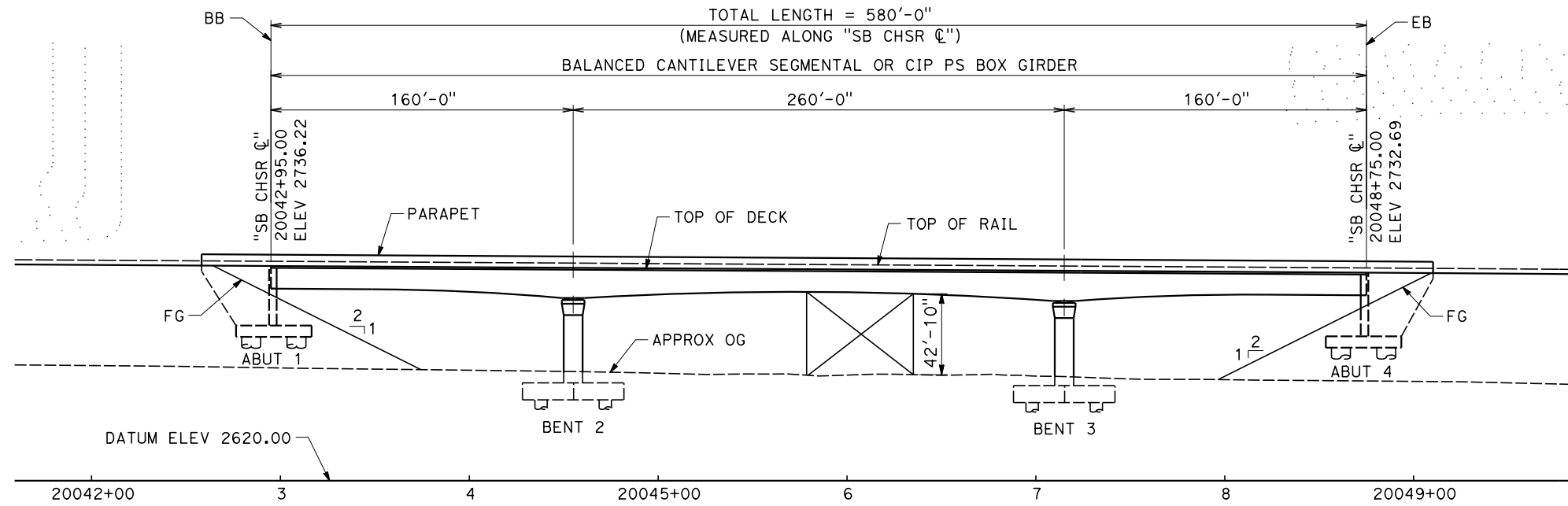
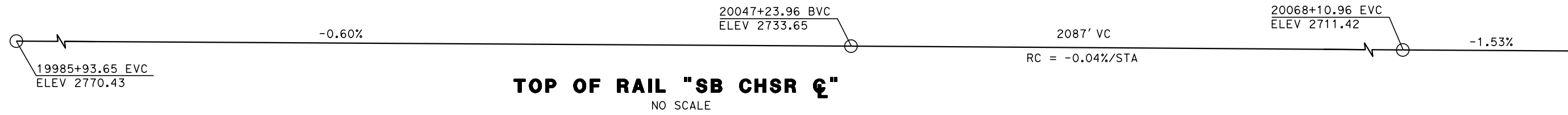
DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

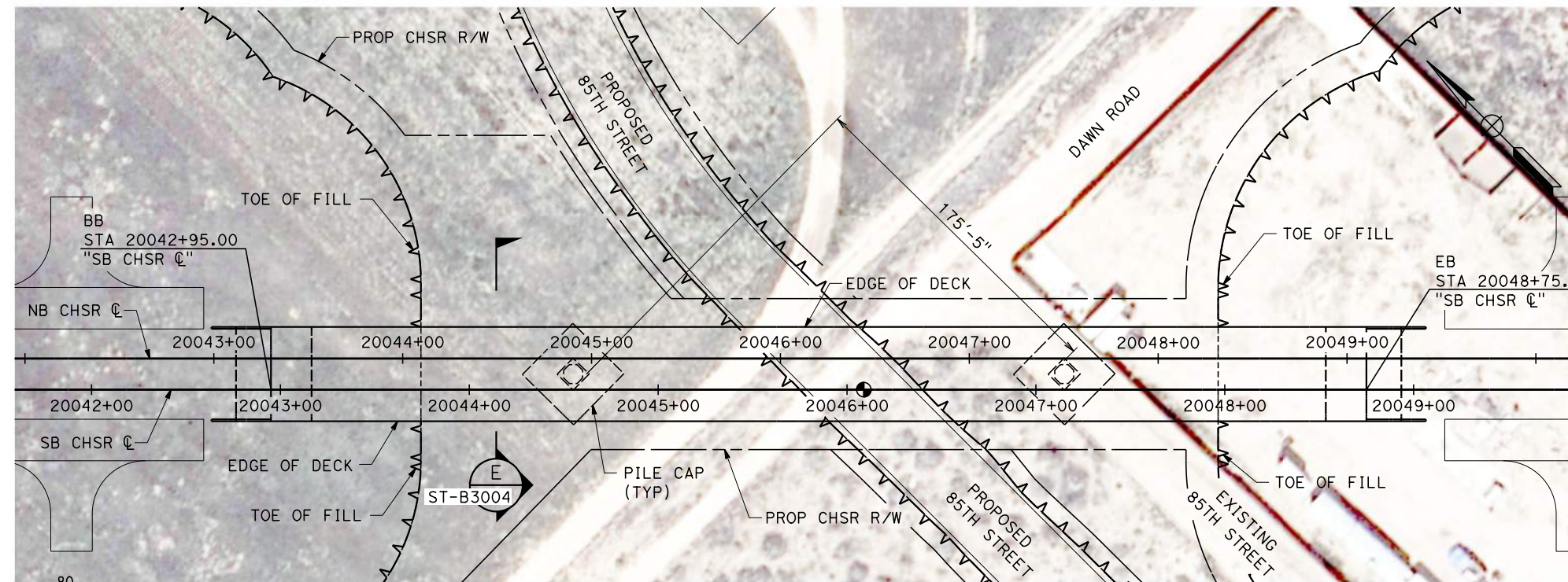


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,5  
TRACK STRUCTURES  
TEHACHAPI WILLOW SPRINGS ROAD UNDERPASS - 3  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1087  
SCALE  
AS SHOWN  
SHEET NO.  
101



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1088  
3:15:46 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
DAWN ROAD-85TH STREET UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1088  
SCALE  
AS SHOWN  
SHEET NO.  
102



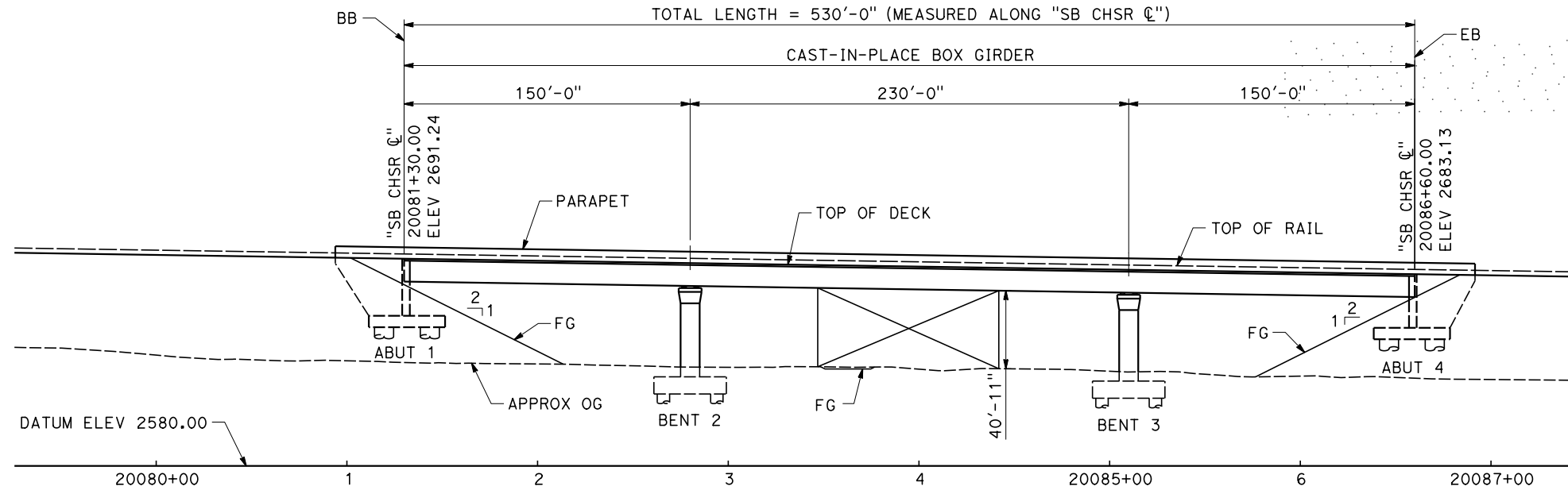
20107+59.40 BVC  
ELEV 2651.01

-1.53%

20068+10.96 EVC  
ELEV 2711.42

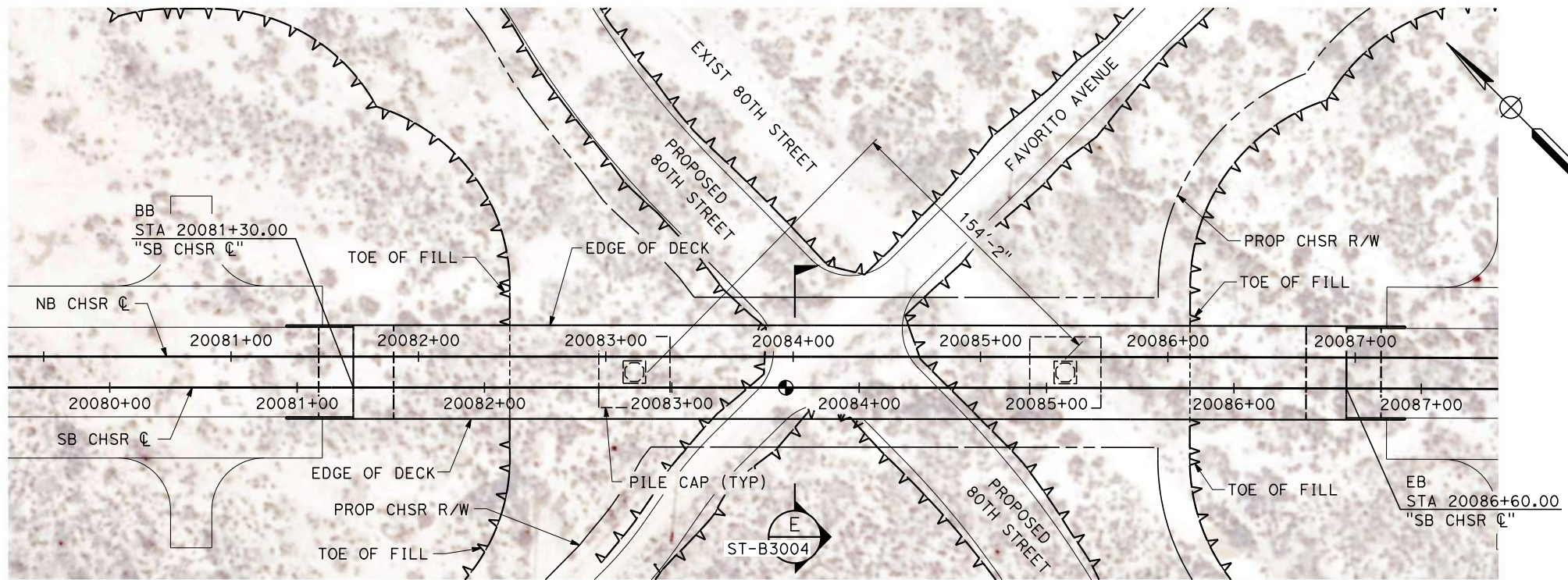
**TOP OF RAIL "SB CHSR ☐"**

NO SCALE



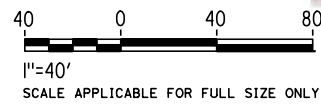
**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1089 1/21/2021 3:17:15 AM jcs\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

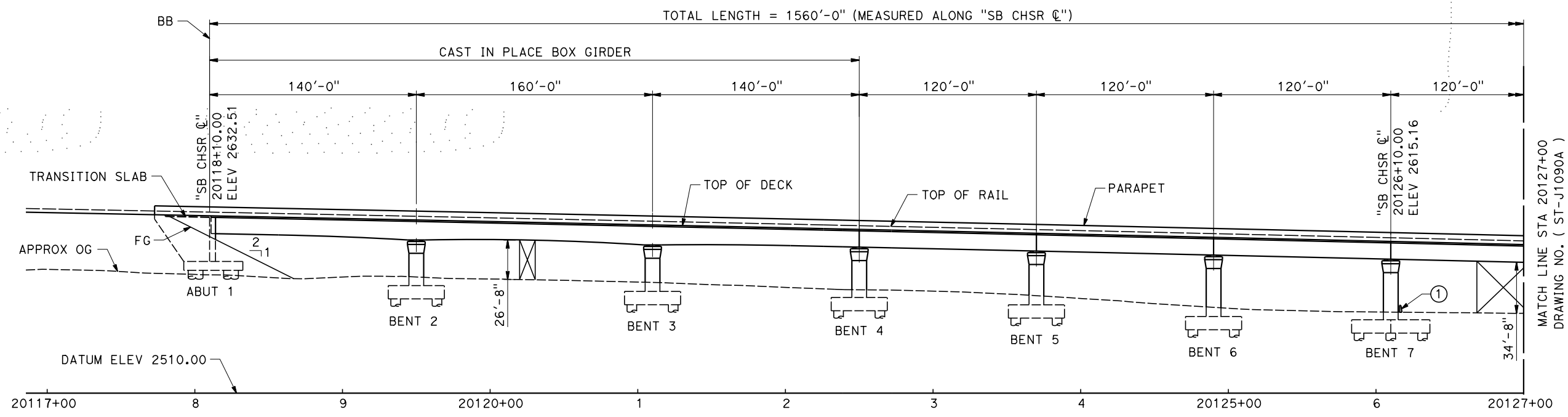
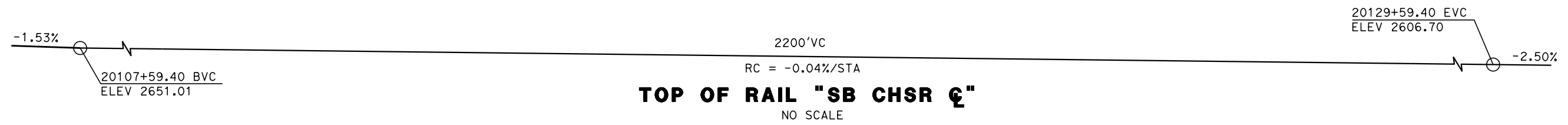
**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

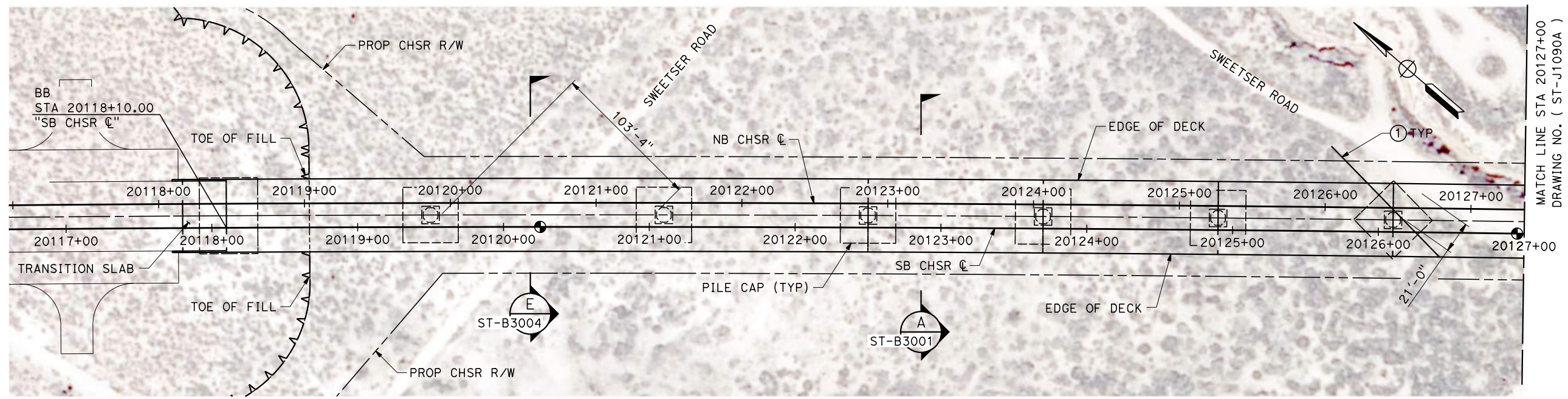


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
FAVORITO AVENUE-80TH STREET UNDERPASS  
PLAN AND ELEVATION

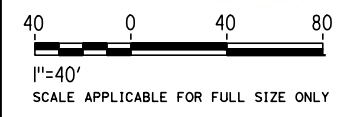
CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1089  
SCALE  
AS SHOWN  
SHEET NO.  
103



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1090  
3:17:36 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

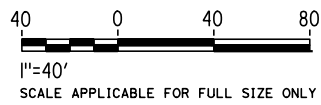
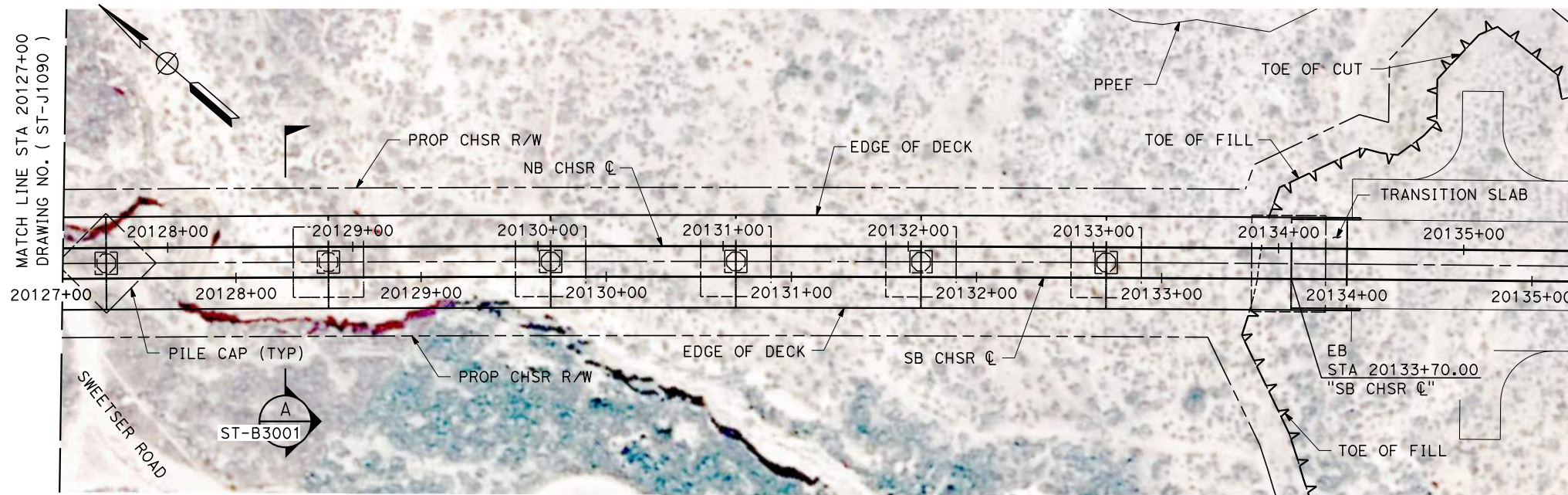
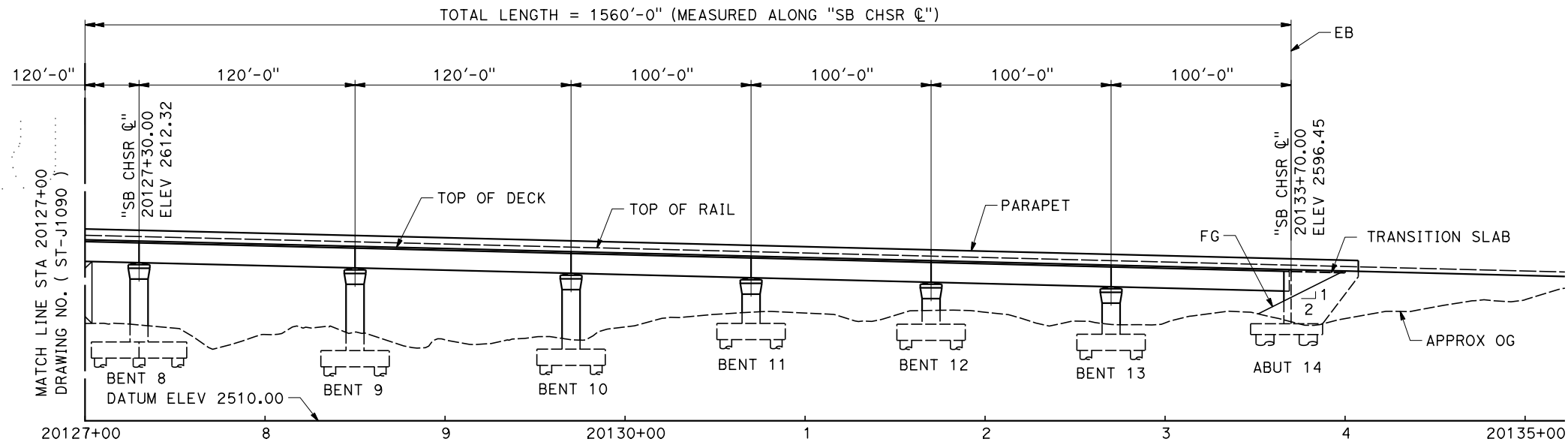
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
SWEETSER ROAD VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1090  
SCALE  
AS SHOWN  
SHEET NO.  
104





Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\Bp-ST-J1090A  
3:18:53 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
SWEETSER ROAD VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1090A

SCALE  
AS SHOWN

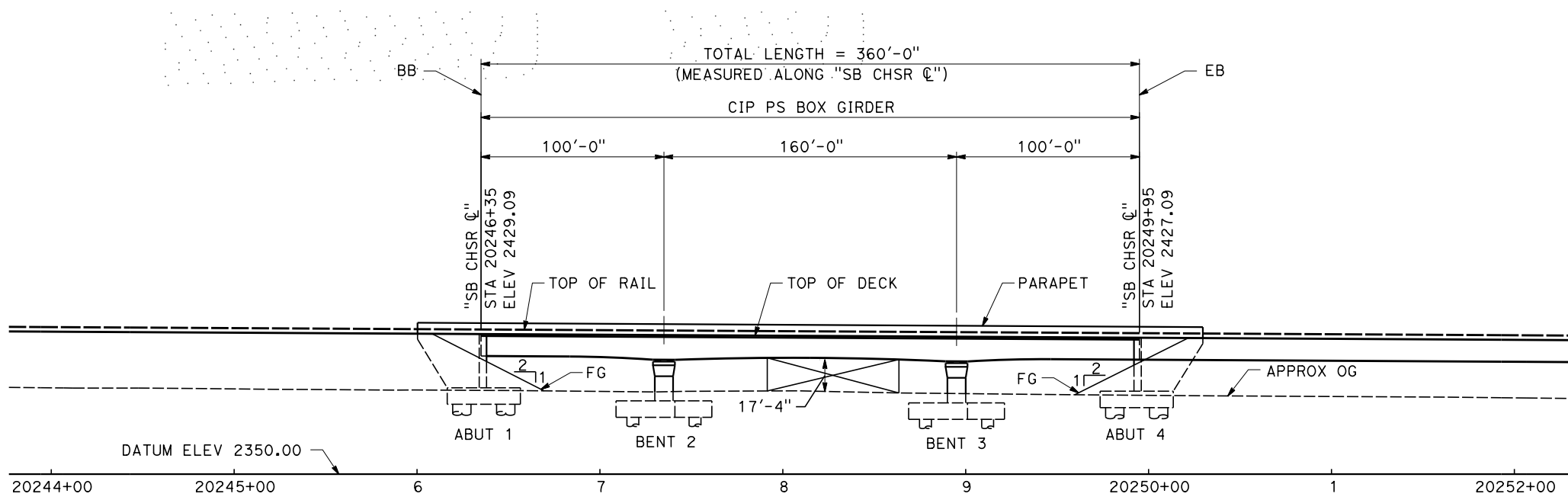
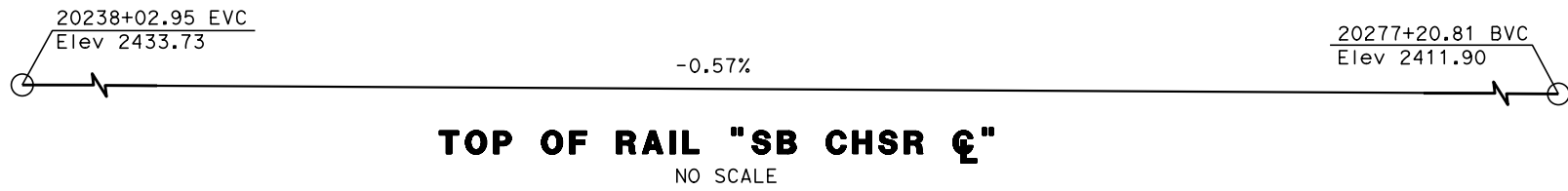
SHEET NO.  
105

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1091

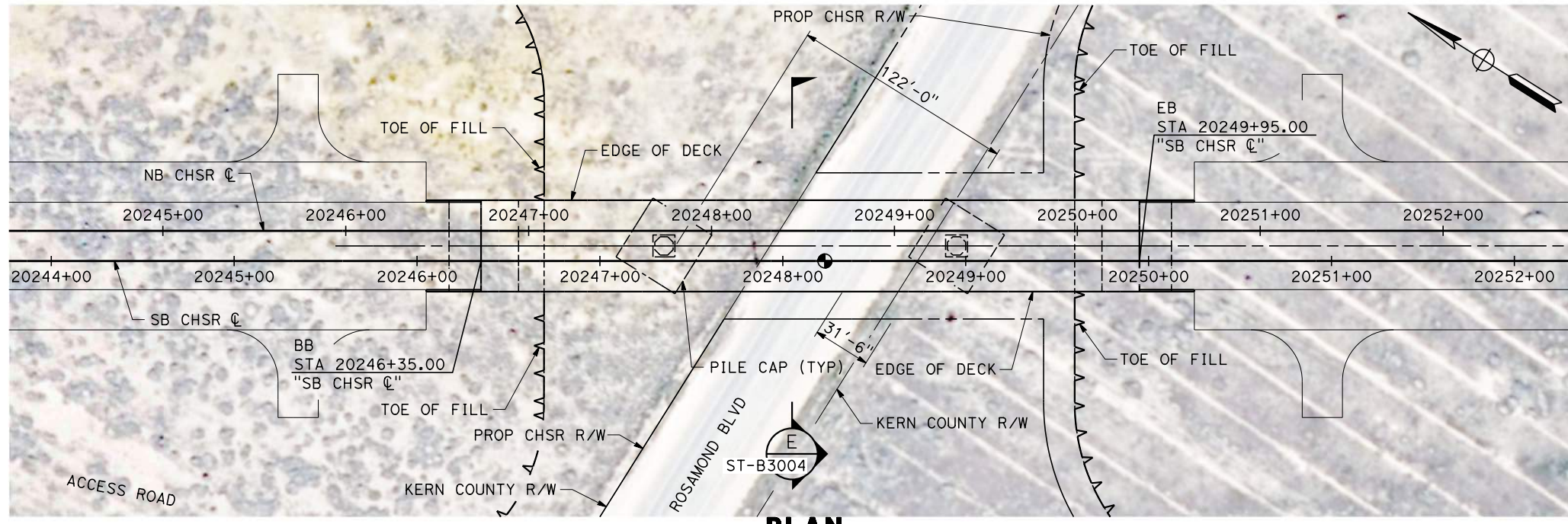
3:15:12 AM

1/21/2021

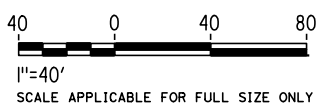
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
ROSAMOND BLVD UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1091  
SCALE  
AS SHOWN  
SHEET NO.  
106

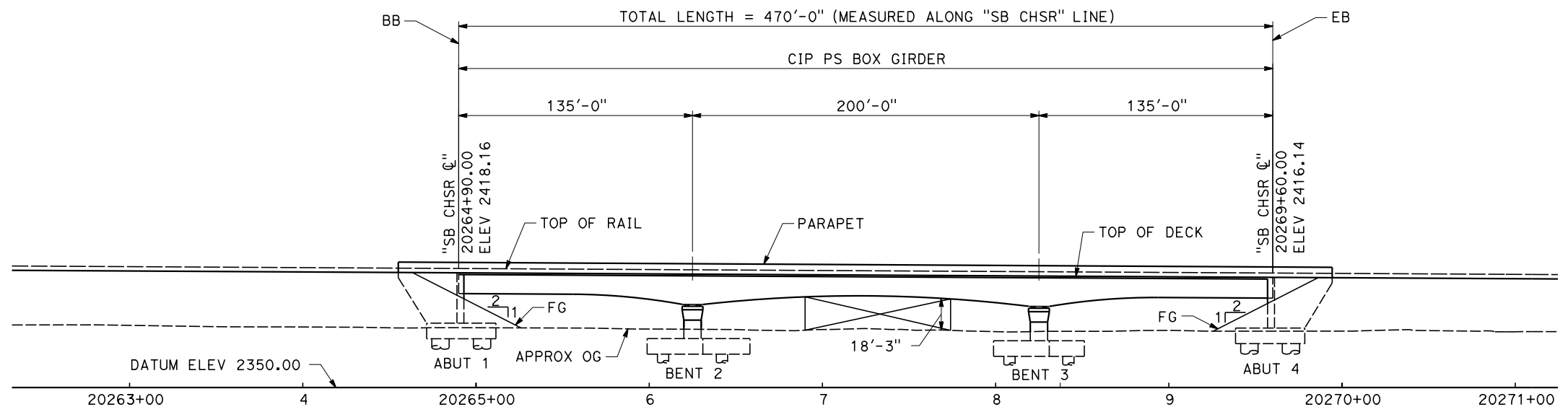


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Elev 2433.73

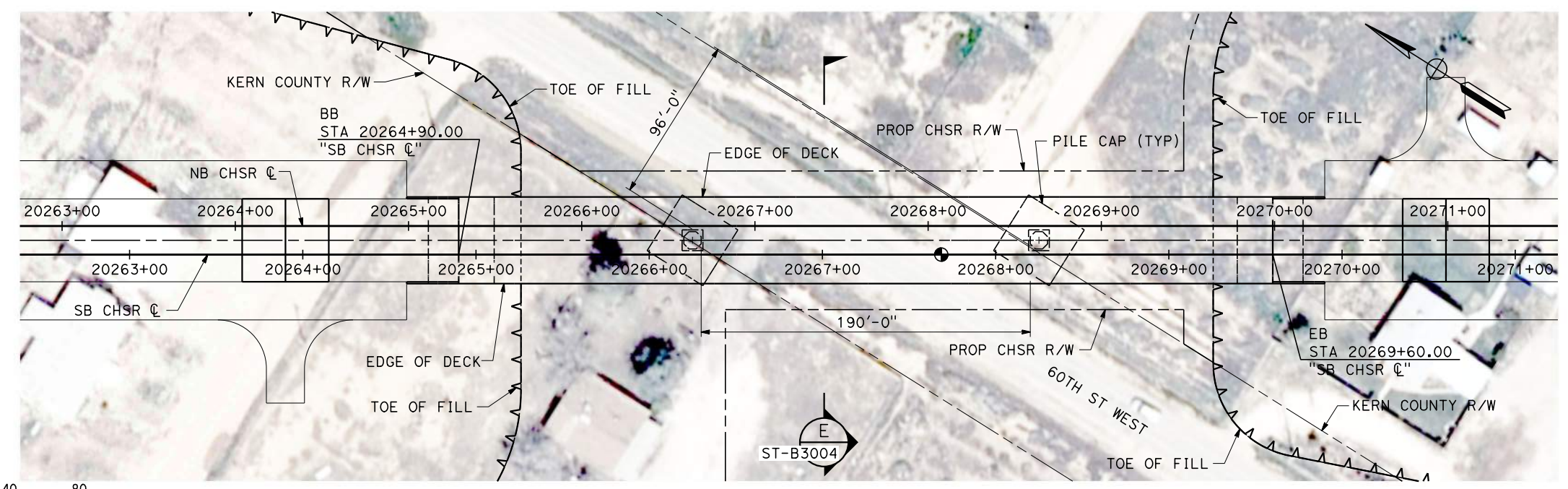
-0.56%

20277+20.81 BVC  
Elev 2411.90

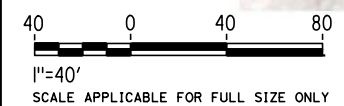
**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1092 1/21/2021 3:17:22 AM jcs\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

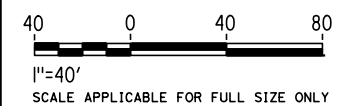
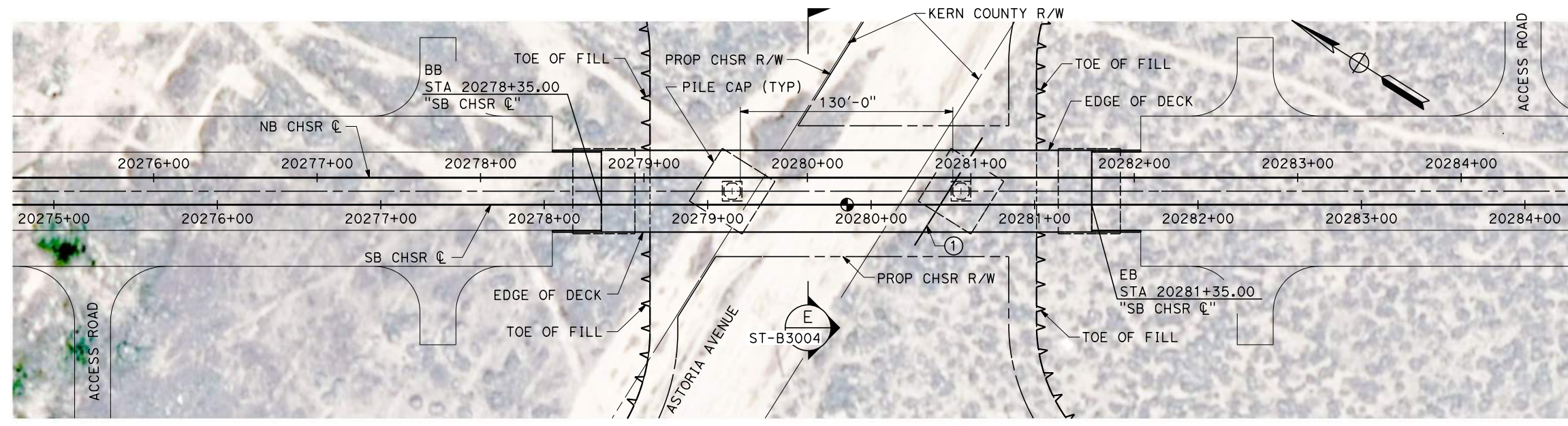
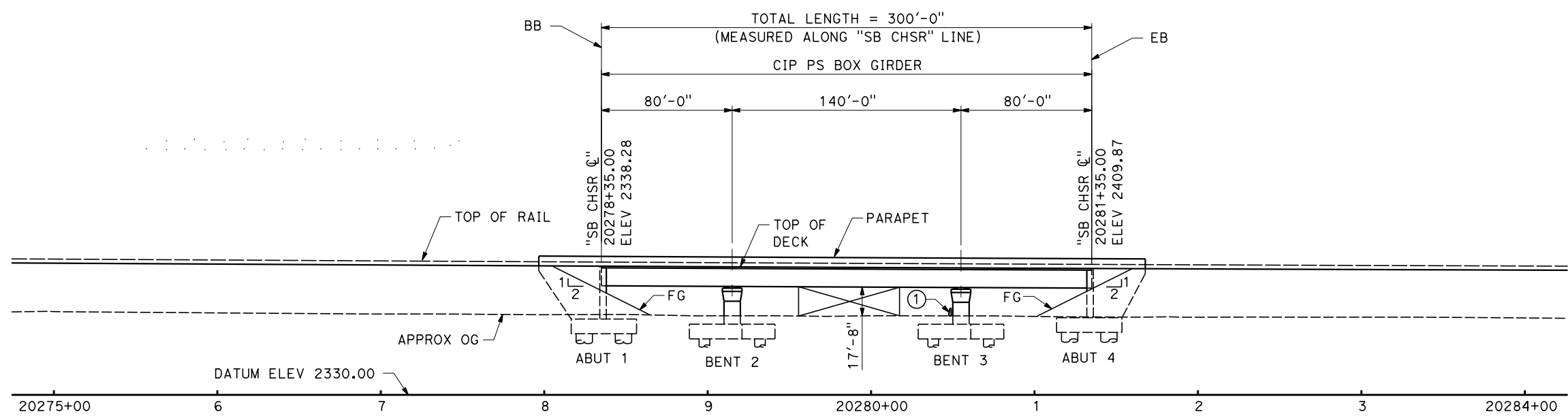
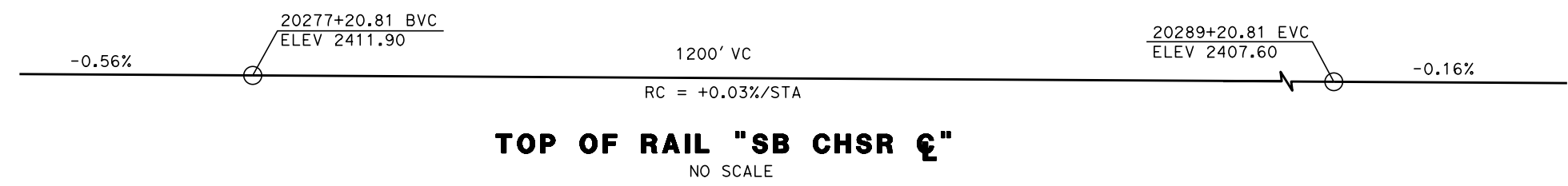
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
60TH STREET UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1092  
SCALE  
AS SHOWN  
SHEET NO.  
107

Projects\701206.00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1093 1/21/2021 3:16:30 AM jcs\_user\_17609



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
ASTORIA AVENUE UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1093  
SCALE  
AS SHOWN  
SHEET NO.  
108

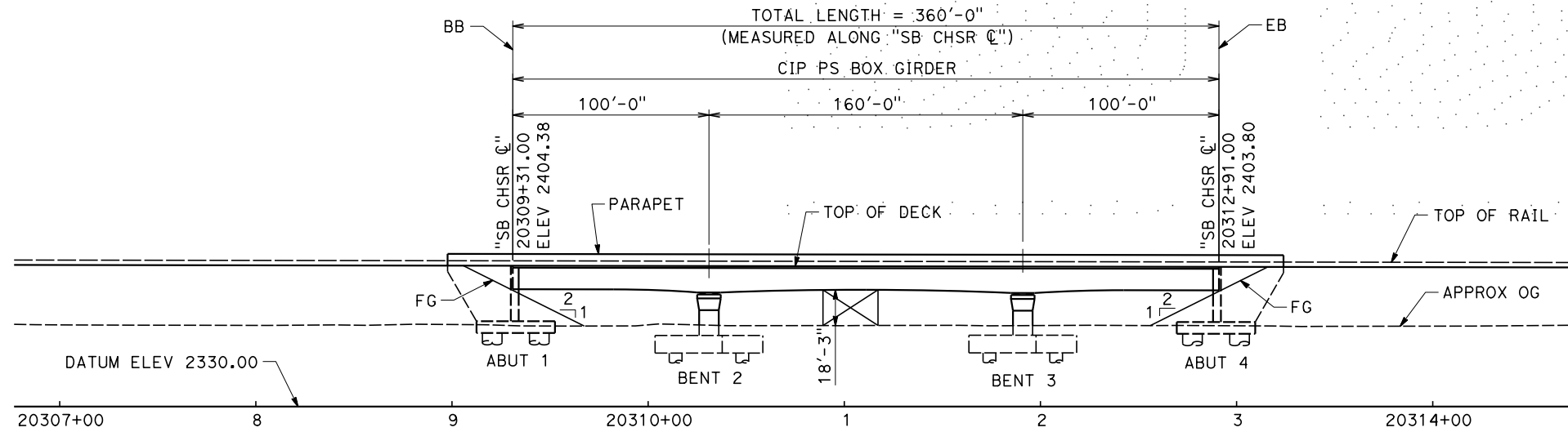


20634+69.00 BVC  
ELEV 2352.35

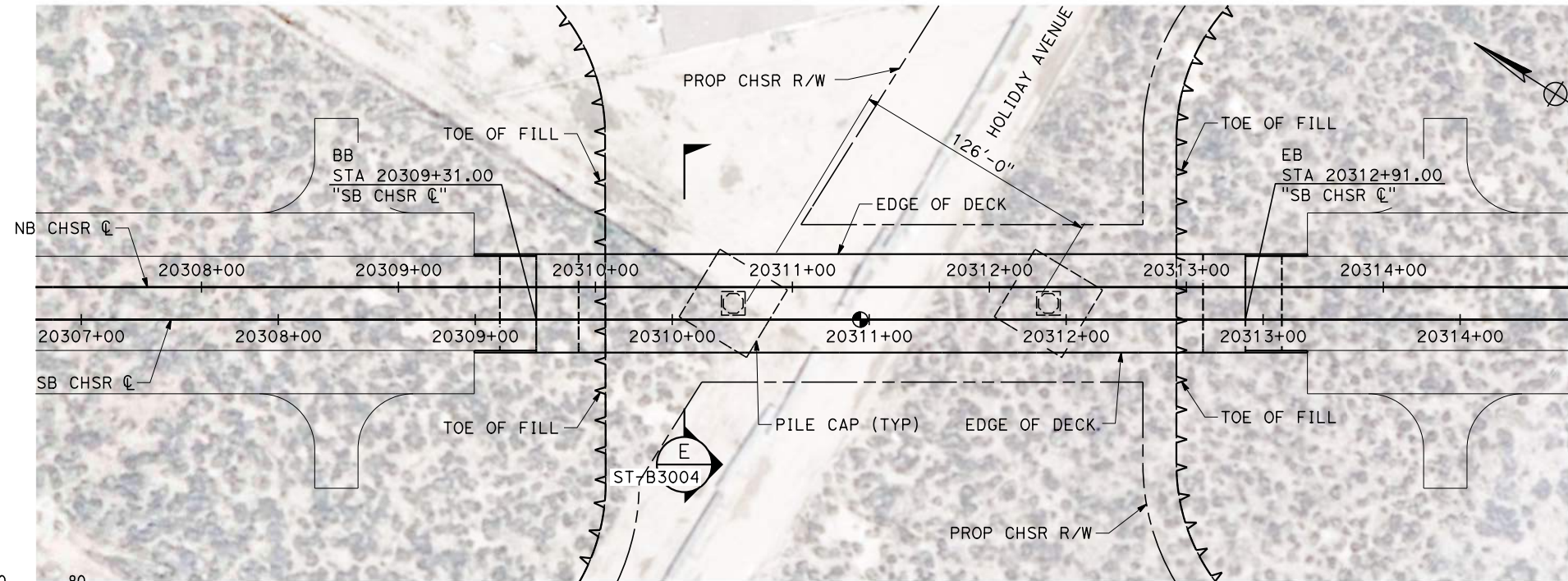
-0.16%

20289+20.81 EVC  
ELEV 2407.60

**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE



**ELEVATION**  
SCALE 1"= 40'



**PLAN**  
SCALE 1"= 40'

40 0 40 80  
1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1094  
3:16:06 AM  
1/21/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
HOLIDAY AVENUE UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1094  
SCALE  
AS SHOWN  
SHEET NO.  
109

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1095  
 1/21/2021 3:19:11 AM  
 jcs\_user\_17609

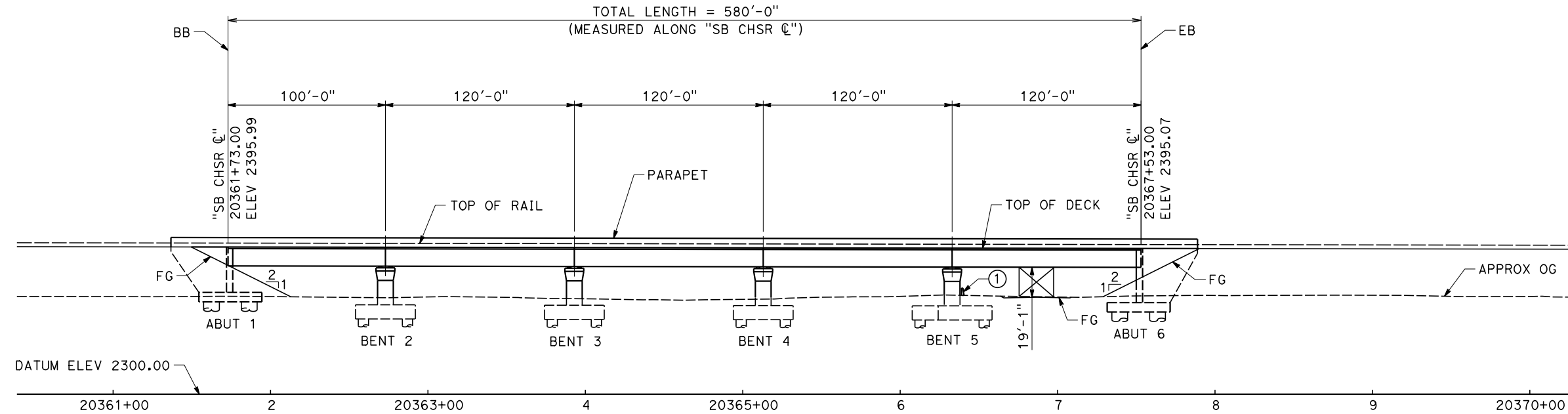
20634+69.00 BVC  
ELEV 2352.35

-0.16%

20289+20.81 EVC  
ELEV 2407.60

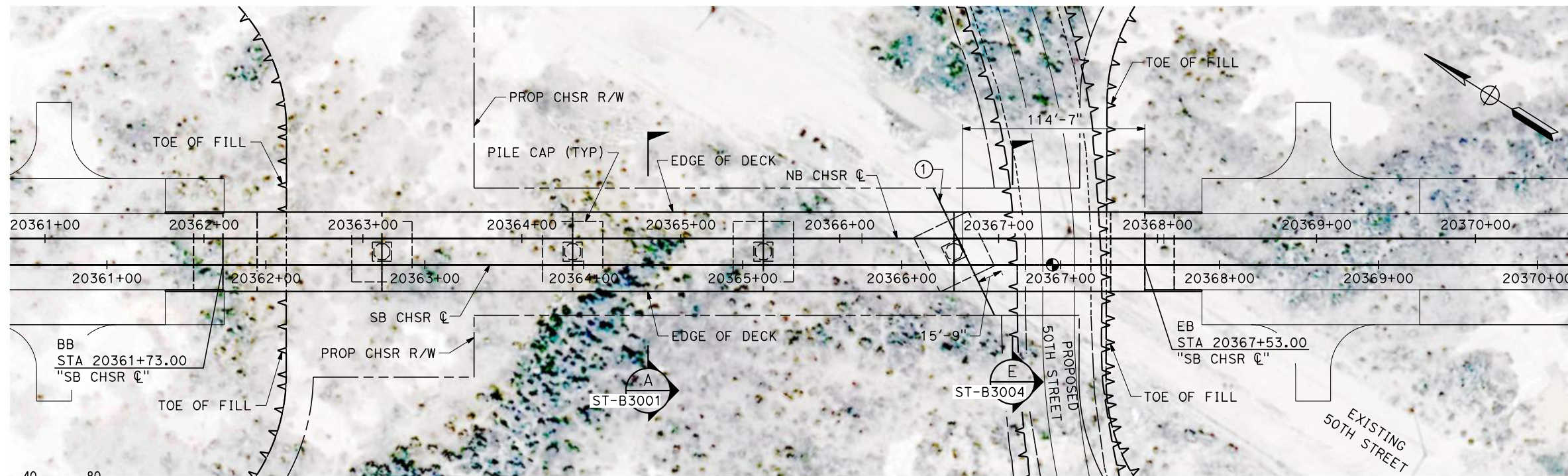
### TOP OF RAIL "SB CHSR ☉"

NO SCALE



### ELEVATION

SCALE 1"= 40'



### PLAN

SCALE 1"= 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
 DRAWN BY  
**Y. WANG**  
 CHECKED BY  
**R. BARTON**  
 IN CHARGE  
**G. CAMPBELL**  
 DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 ALTERNATIVES 1,2,3,5  
 TRACK STRUCTURES  
 50TH STREET UNDERPASS  
 PLAN AND ELEVATION

CONTRACT NO.  
 HSR13-44  
 DRAWING NO.  
 ST-J1095  
 SCALE  
 AS SHOWN  
 SHEET NO.  
 110



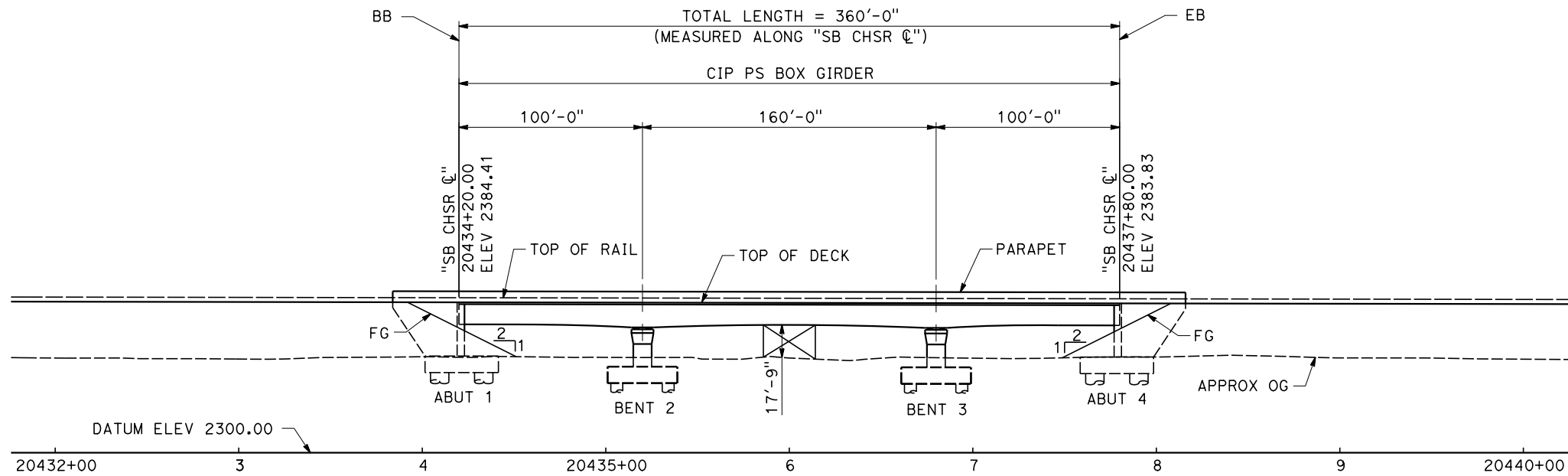
20289+20.81 EVC  
Elev 2407.60

-0.16%

20634+69.00 BVC  
Elev 2352.35

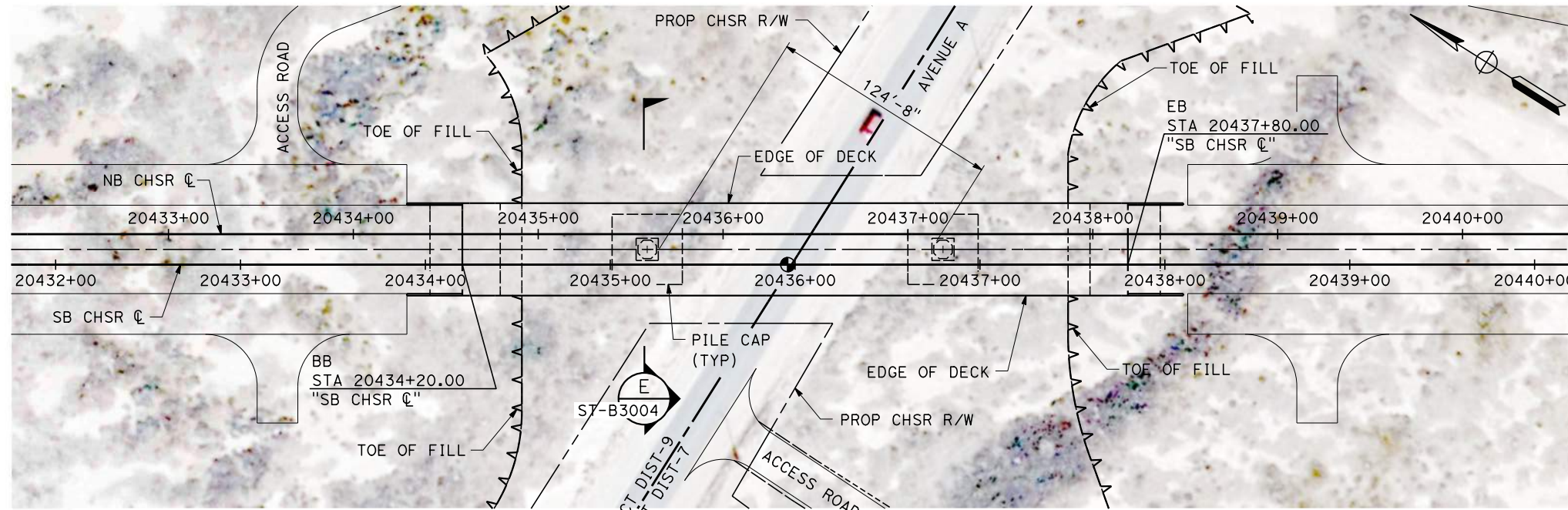
**TOP OF RAIL "SB CHSR ☉"**

NO SCALE



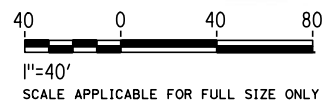
**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1096

1/21/2021 3:18:03 AM

jcs\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**

**PEPD**

**SUBMITTAL**

**NOT FOR**

**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**

**BAKERSFIELD TO PALMDALE**

ALTERNATIVES 1,2,3,5

TRACK STRUCTURES

AVENUE A UNDERPASS

PLAN AND ELEVATION

CONTRACT NO. HSR13-44
DRAWING NO. ST-J1096
SCALE AS SHOWN
SHEET NO. 111



20289+20.81 EVC  
ELEV 2407.59

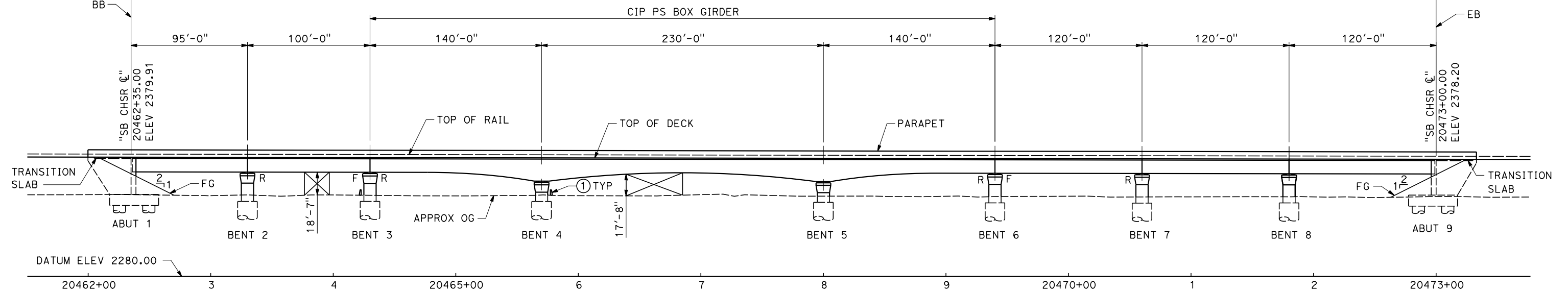
-0.16%

20634+69.00 BVC  
ELEV 2352.35

**TOP OF RAIL "SB CHSR C"**

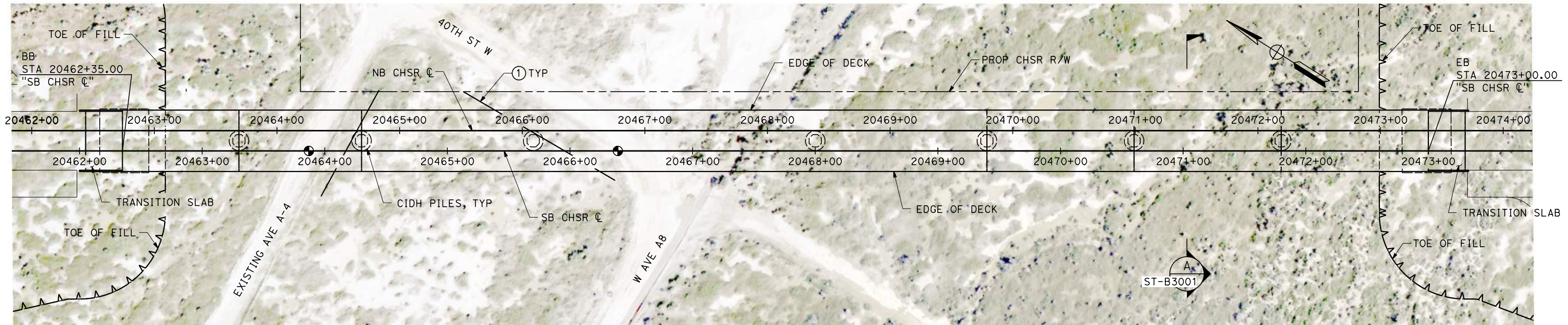
NO SCALE

TOTAL LENGTH = 1065'-0" (MEASURED ALONG "SB CHSR C")



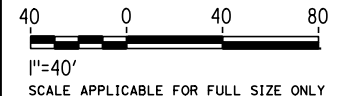
**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\_00\_CADD\Sheet\_Files\ST\BP-ST-J1096A

1/21/2021 3:15:33 AM

ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

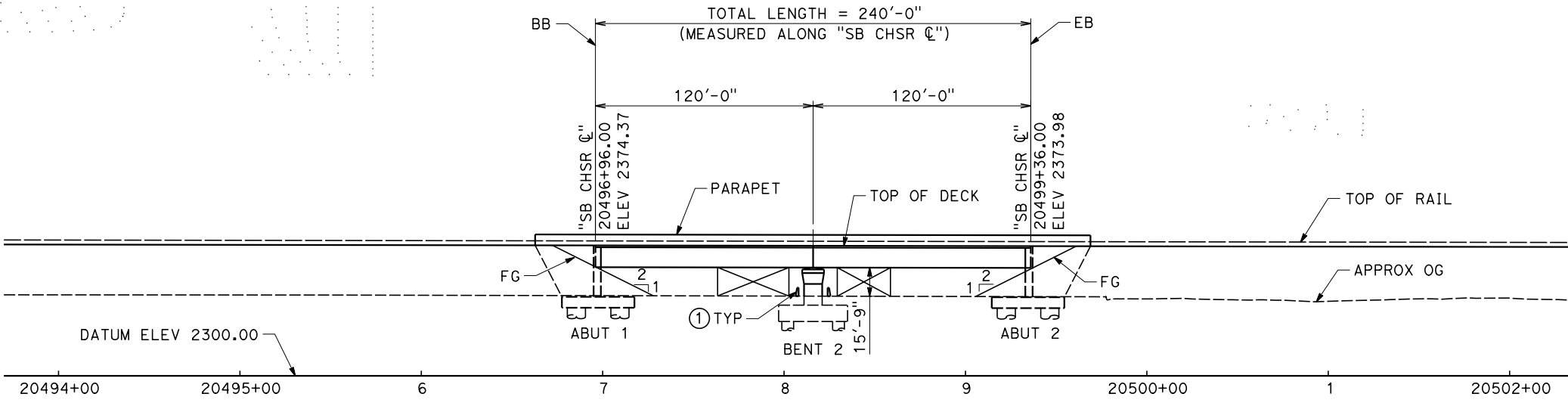
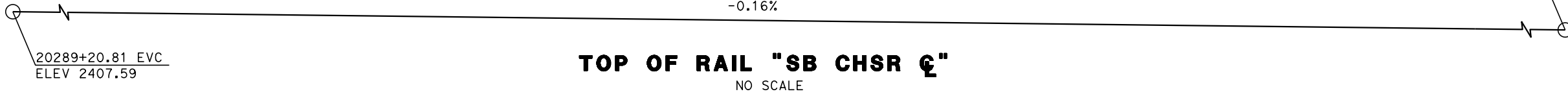


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
40TH STREET - AVENUE A8 VIADUCT  
PLAN AND ELEVATION

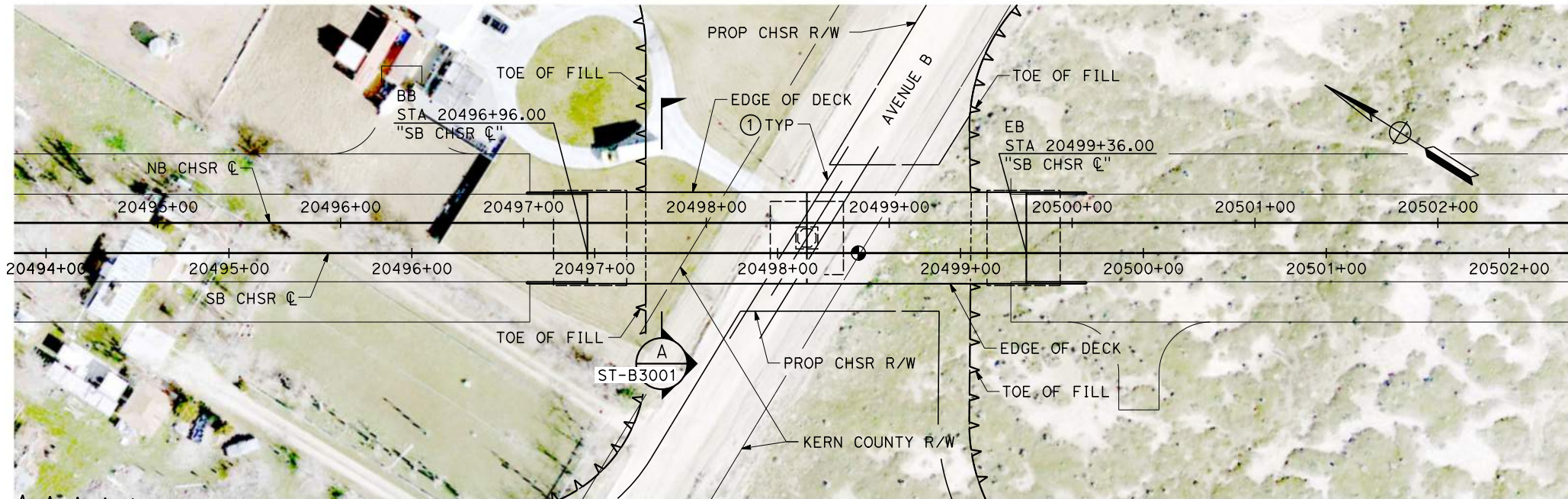
CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1096A  
SCALE  
AS SHOWN  
SHEET NO.  
112



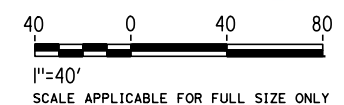
20634+69.00 BVC  
ELEV 2352.35



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1097  
1/21/2021 3:17:43 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
AVENUE B EAST UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1097  
SCALE  
AS SHOWN  
SHEET NO.  
113



20289+20.81 EVC  
ELEV 2407.60

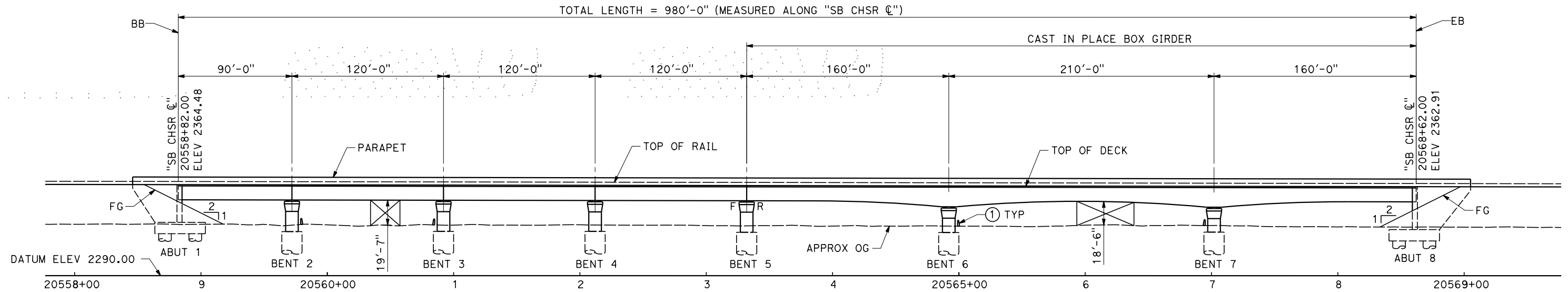
-0.16%

20634+69.00 BVC  
ELEV 2352.35

**TOP OF RAIL "SB CHSR C"**

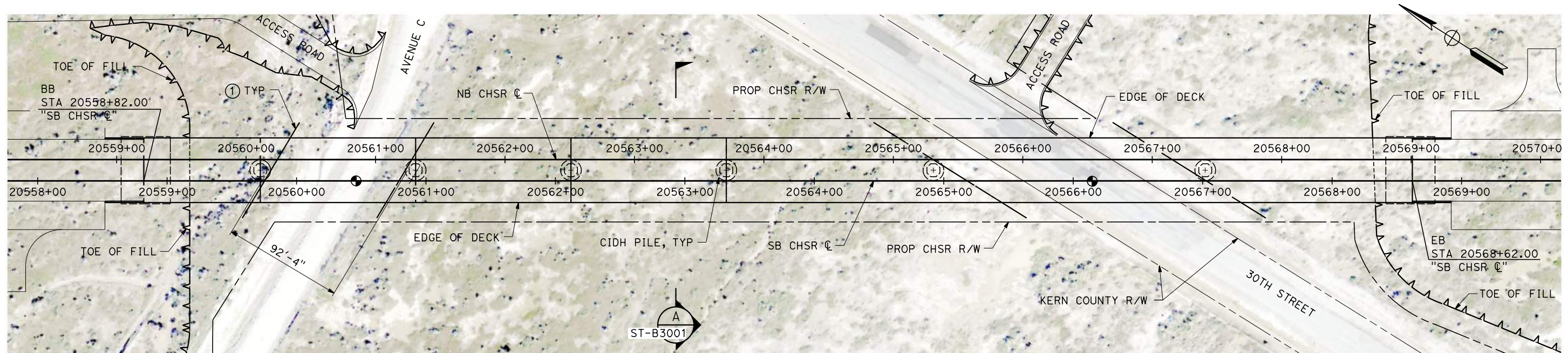
NO SCALE

TOTAL LENGTH = 980'-0" (MEASURED ALONG "SB CHSR C")



**ELEVATION**

SCALE 1" = 40'



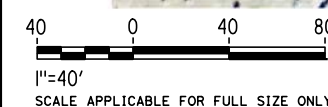
**PLAN**

SCALE 1" = 40'

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1099

3:16:54 AM

1/21/2021

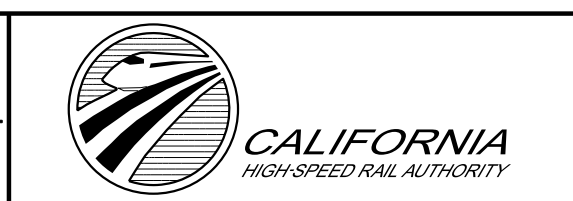


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
30TH STREET - AVENUE C UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1099  
SCALE  
AS SHOWN  
SHEET NO.  
114



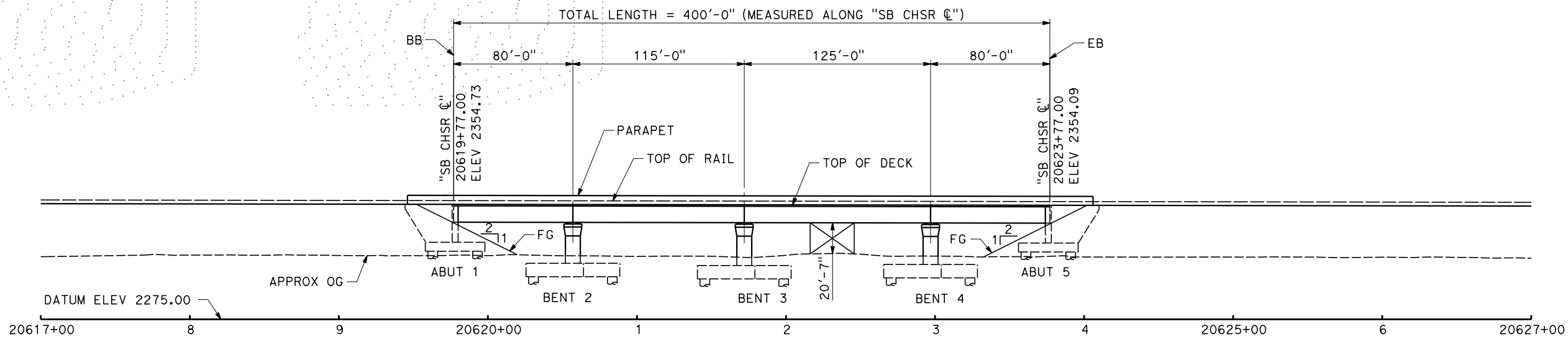
20289+20.81 EVC  
ELEV 2407.60

-0.16%

20634+69.00 BVC  
ELEV 2352.35

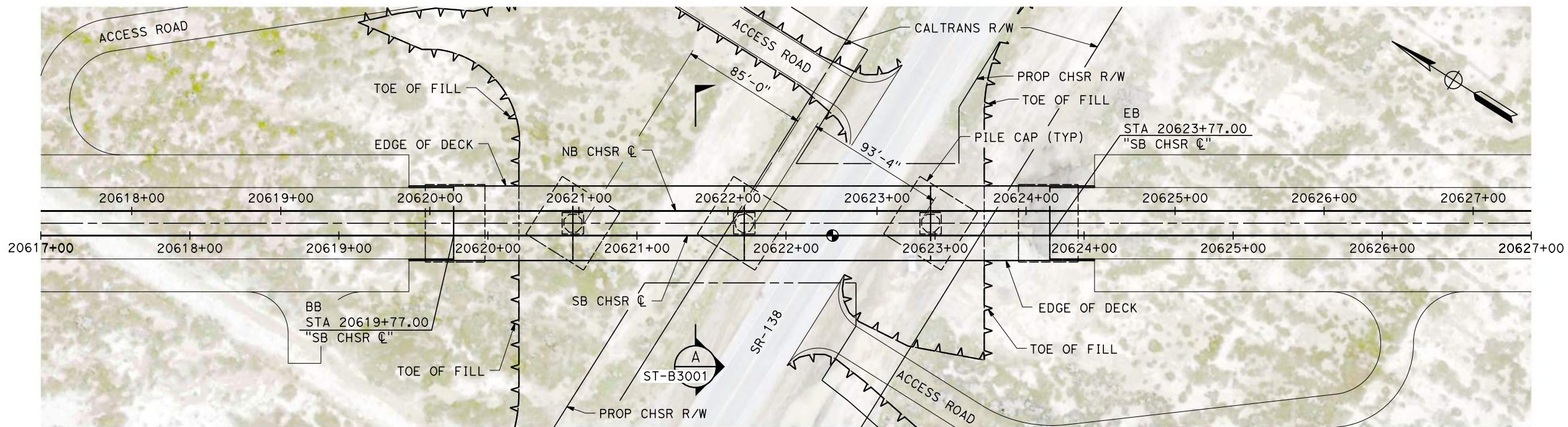
**TOP OF RAIL "SB CHSR ☺"**

NO SCALE



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1100

1/21/2021 3:18:03 AM

ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

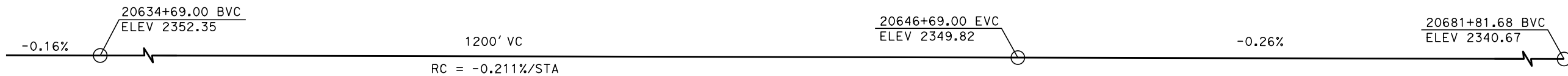


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

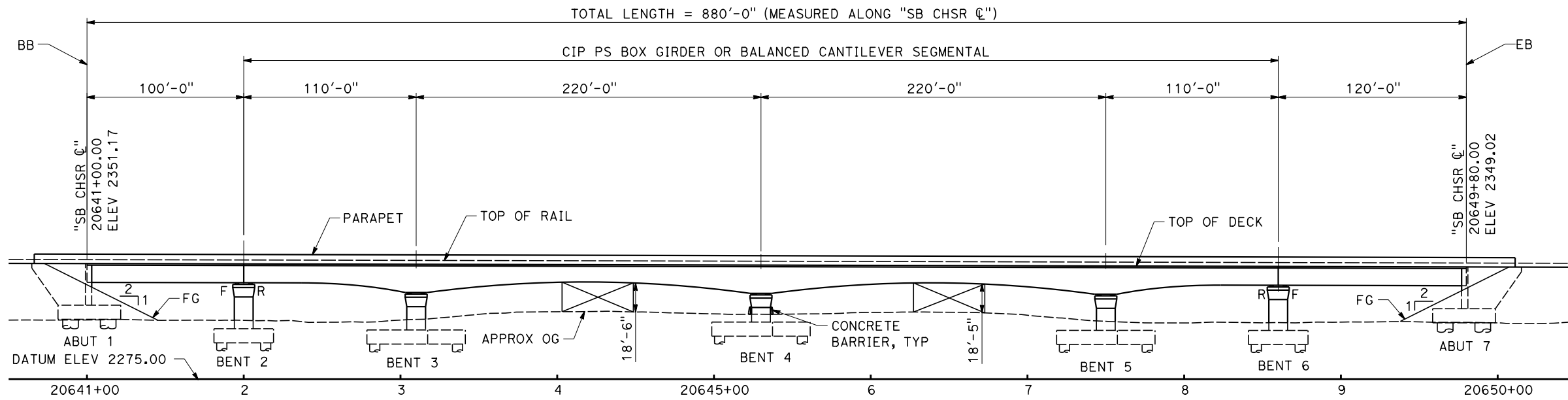
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
SR 138 UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1100  
SCALE  
AS SHOWN  
SHEET NO.  
115

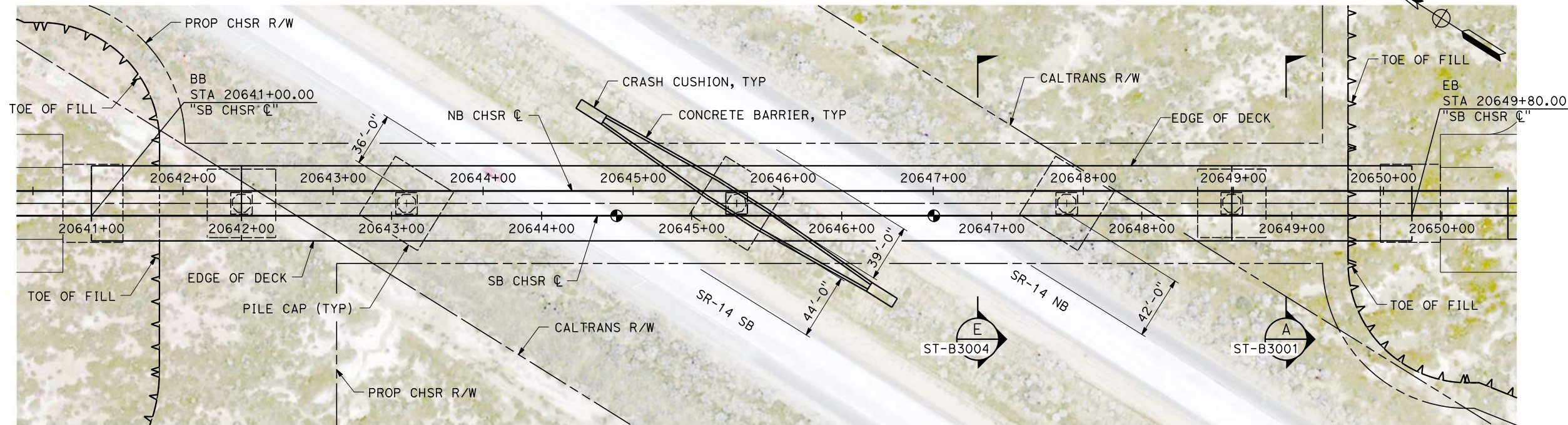




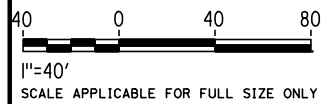
**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



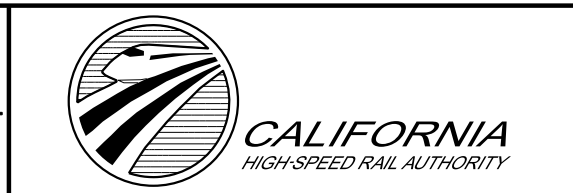
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1/21/2021 3:19:32 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
SR 14 UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1101  
SCALE  
AS SHOWN  
SHEET NO.  
116

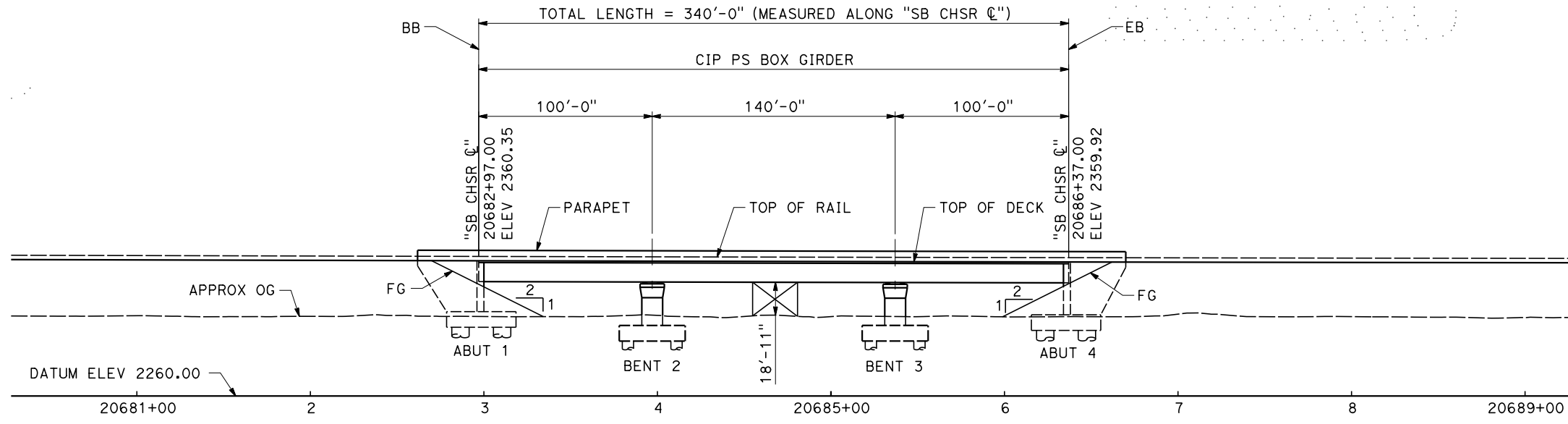


20681+81.68 BVC  
ELEV 2340.67

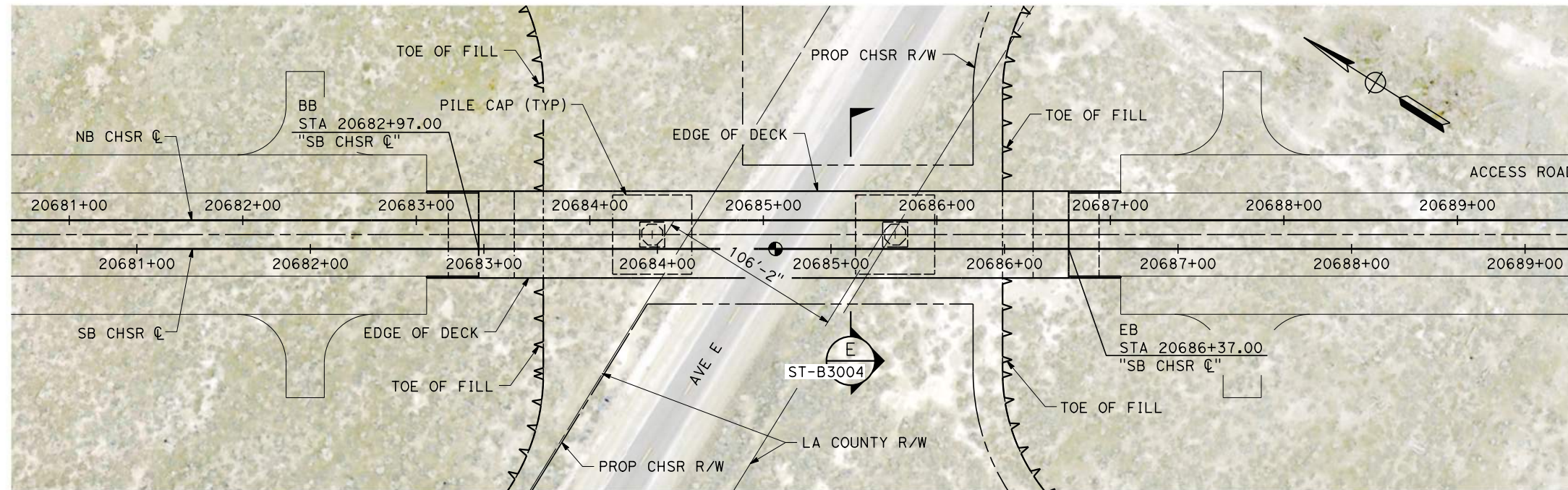
20693+81.68 EVC  
ELEV 2338.87

1200'VC  
R=0.02/STA

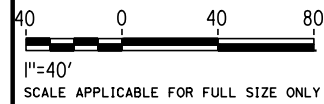
**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE



**ELEVATION**  
SCALE 1"= 40'



**PLAN**  
SCALE 1"= 40'



Projects\701206.00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1102  
1/21/2021 3:17:24 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3,5  
TRACK STRUCTURES  
AVENUE E UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1102  
SCALE  
AS SHOWN  
SHEET NO.  
117

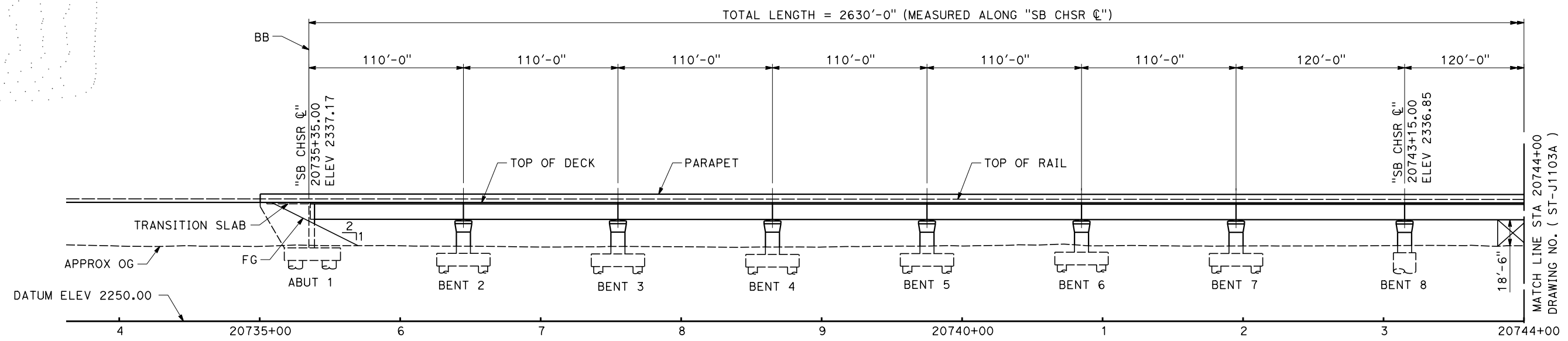
20693+81.68 EVC  
ELEV 2338.87

20766+40.75 BVC  
ELEV 2335.90

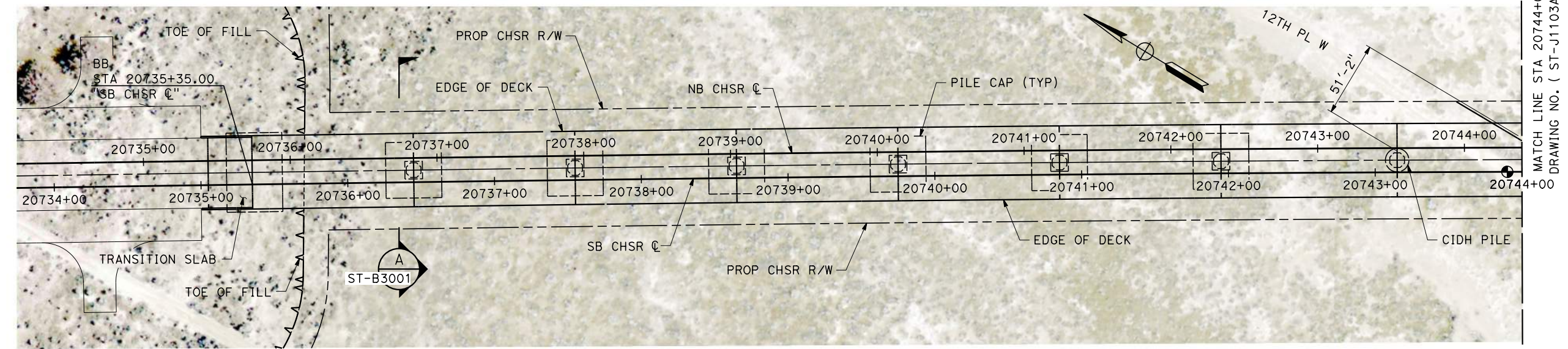
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**TOP OF RAIL "SB CHSR C"**

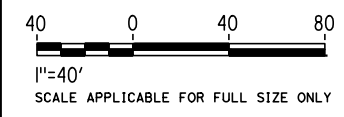
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1103  
1/21/2021 3:16:24 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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**  
ALTERNATIVES 1,2,3  
TRACK STRUCTURES  
AVENUE F VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1103  
SCALE  
AS SHOWN  
SHEET NO.  
118

MATCH LINE STA 20744+00  
DRAWING NO. ( ST-J1103A )

MATCH LINE STA 20744+00  
DRAWING NO. ( ST-J1103A )



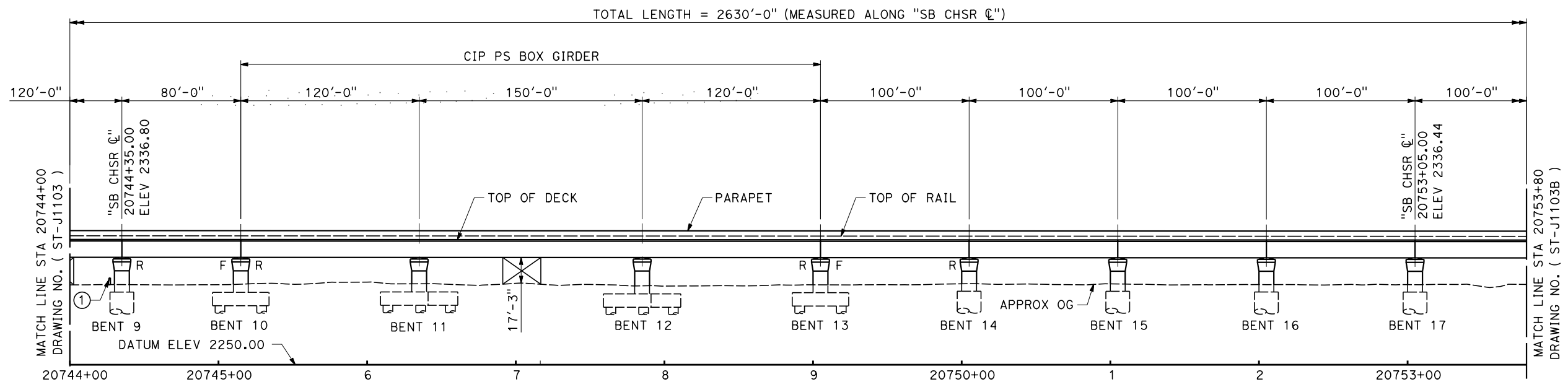
20693+81.68 EVC  
ELEV 2338.87

20766+40.75 BVC  
ELEV 2335.90

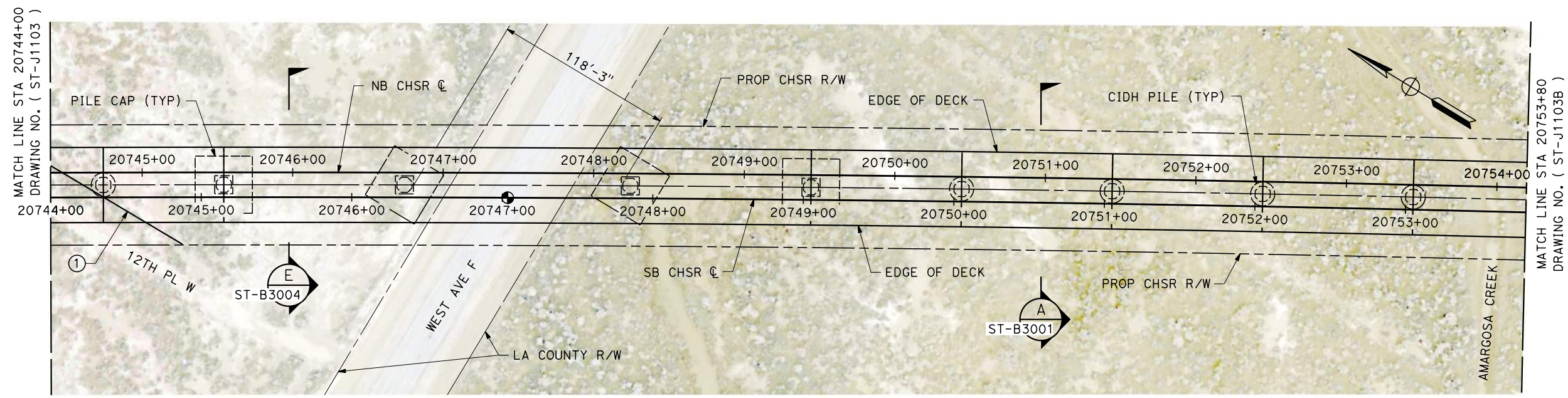
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**TOP OF RAIL "SB CHSR ☉"**

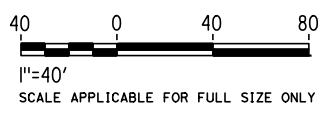
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1103A

3:18:27 AM

1/21/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVES 1,2,3  
TRACK STRUCTURES  
AVENUE F VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1103A

SCALE  
AS SHOWN

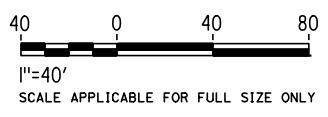
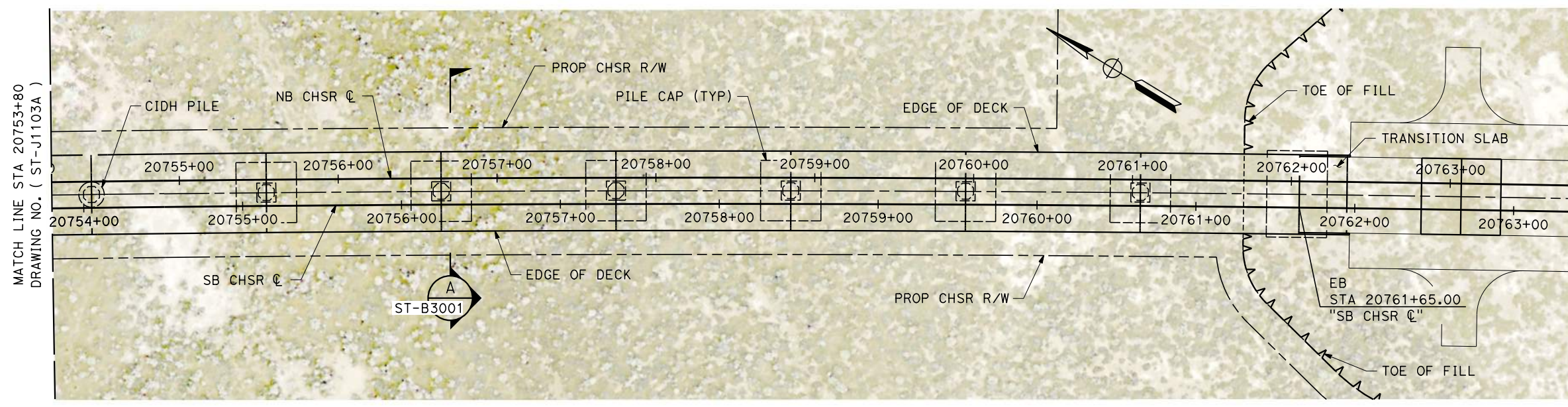
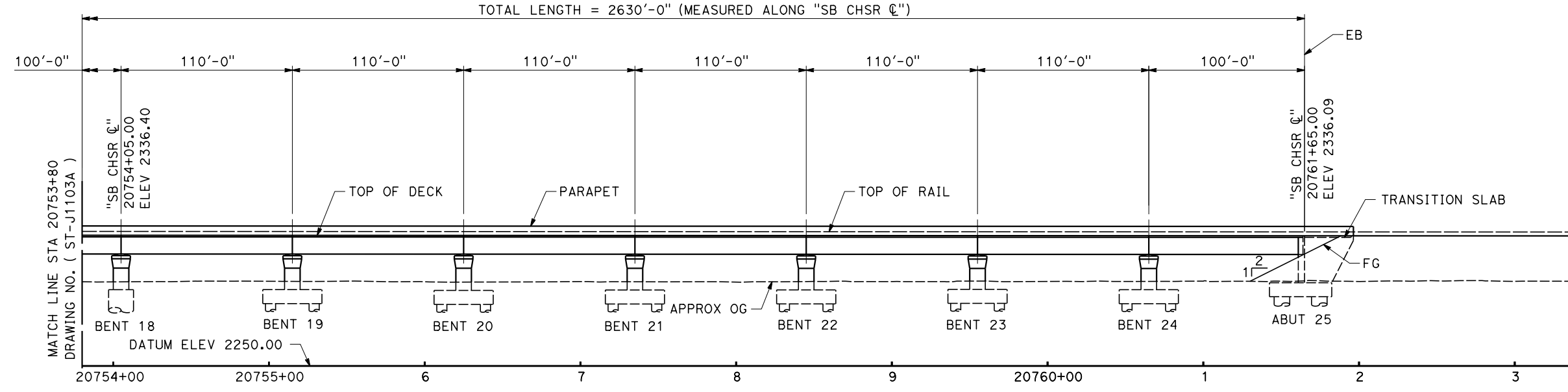
SHEET NO.  
119

20693+81.68 EVC  
ELEV 2338.87

-0.04%

20766+40.75 BVC  
ELEV 2335.90

**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE



Projects\701206.00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1103B

3:15:56 AM

1/21/2021

ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVES 1,2,3  
TRACK STRUCTURES  
AVENUE F VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1103B

SCALE  
AS SHOWN

SHEET NO.  
120

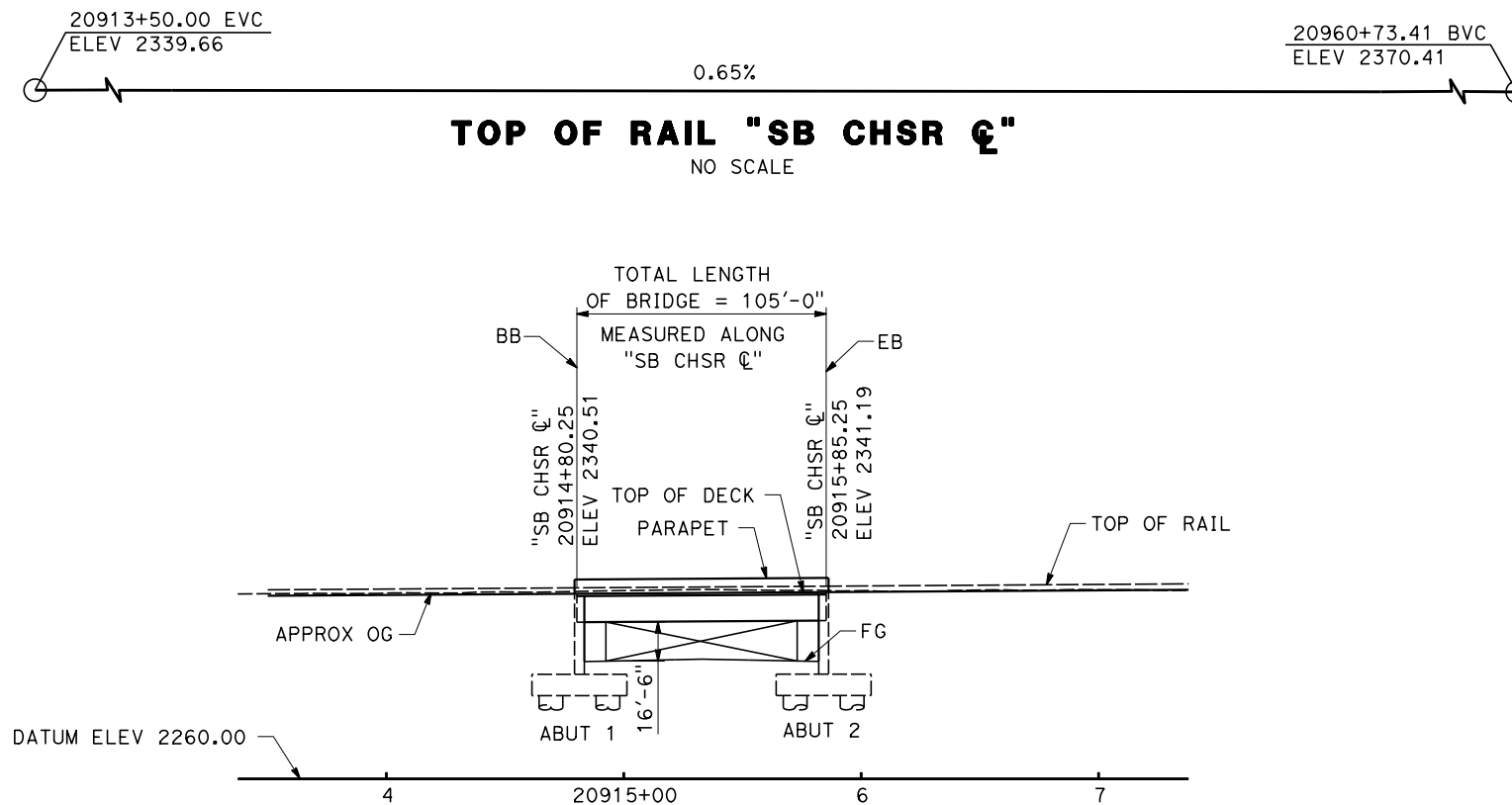


Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1103C

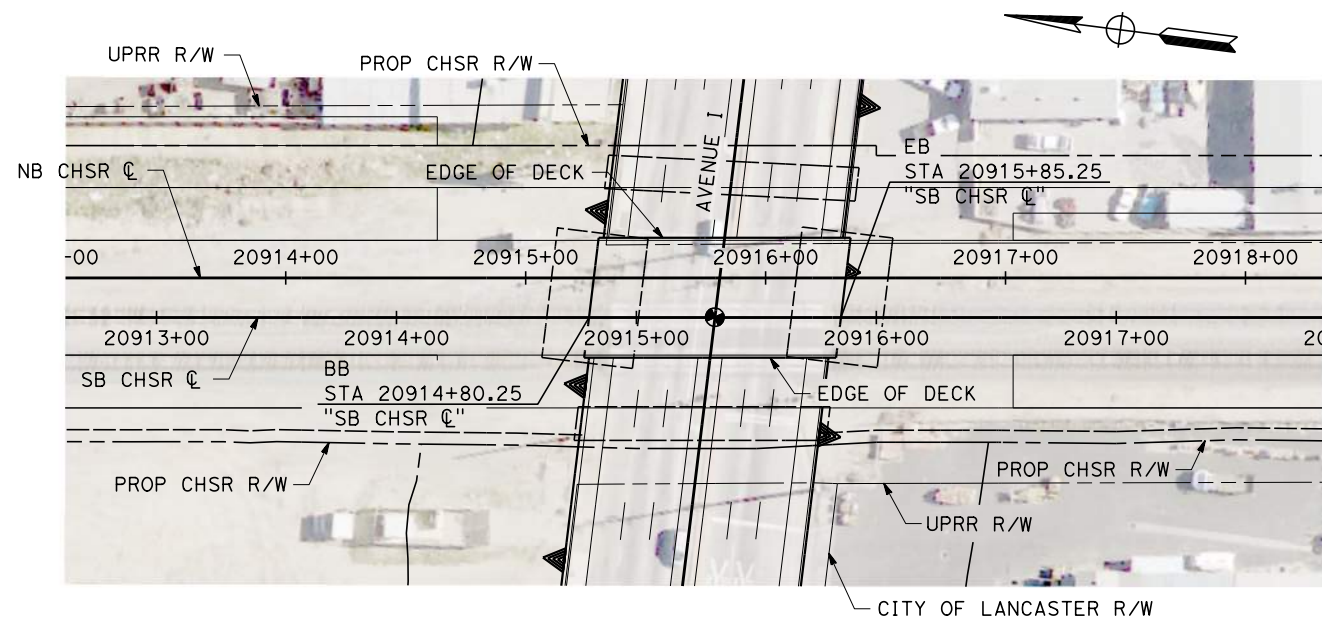
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1/21/2021

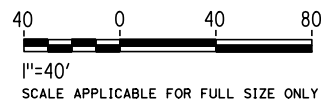
jcs\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVES 1,2,3  
TRACK STRUCTURES  
AVENUE I OVERHEAD  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1103C

SCALE  
AS SHOWN

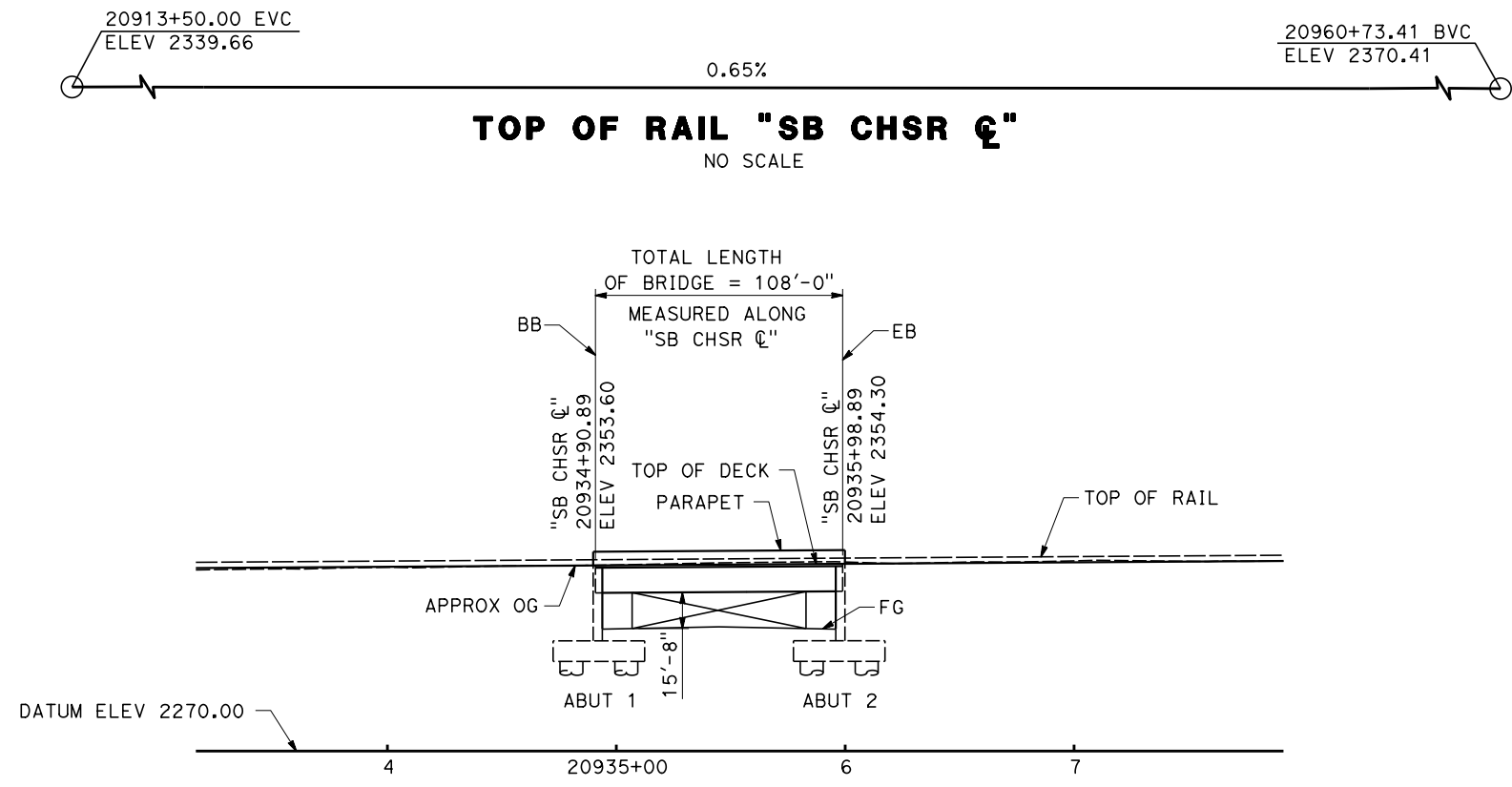
SHEET NO.  
121

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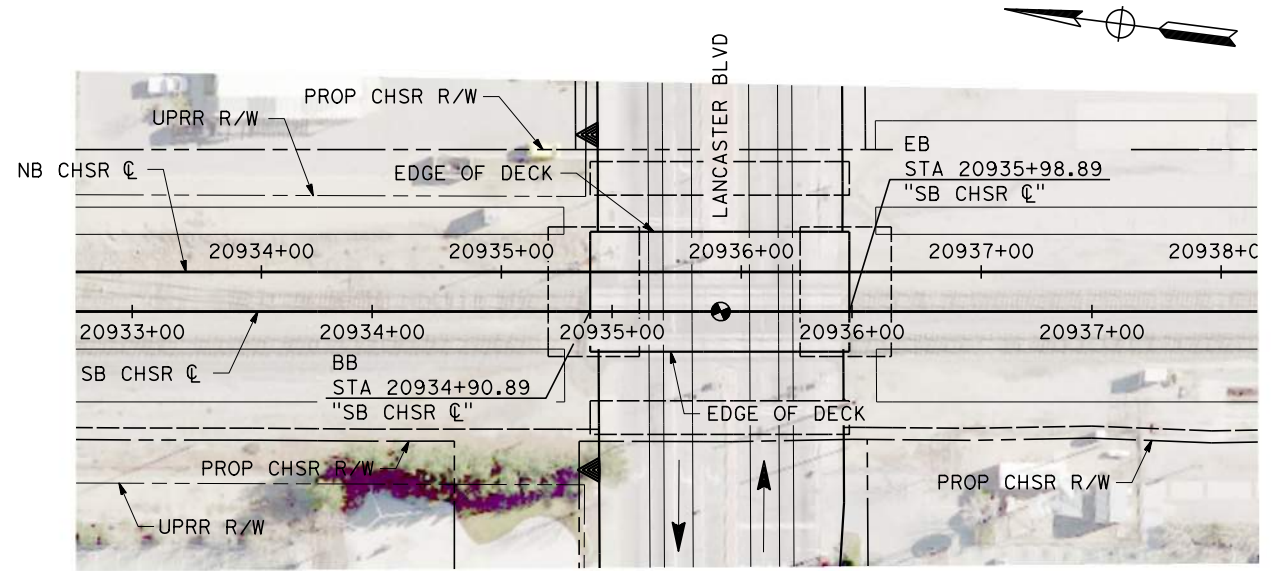
3:18:49 AM

1/21/2021

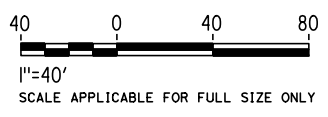
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVES 1,2,3  
TRACK STRUCTURES  
LANCASTER BOULEVARD OVERHEAD  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1103D

SCALE  
AS SHOWN

SHEET NO.  
122

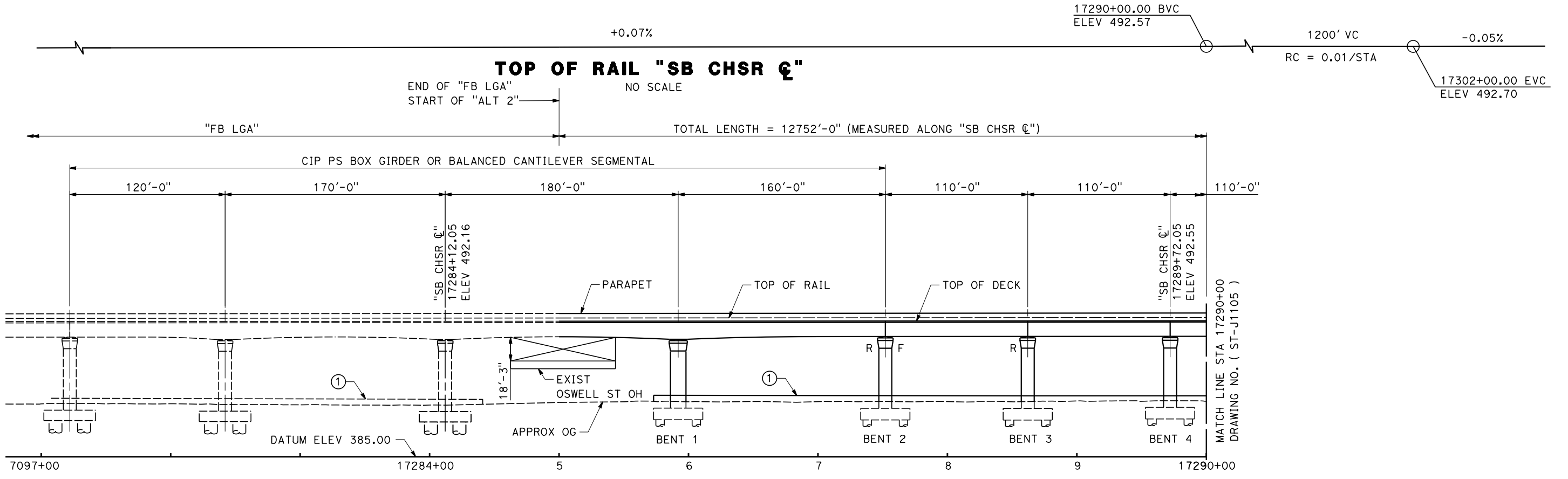


Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1104

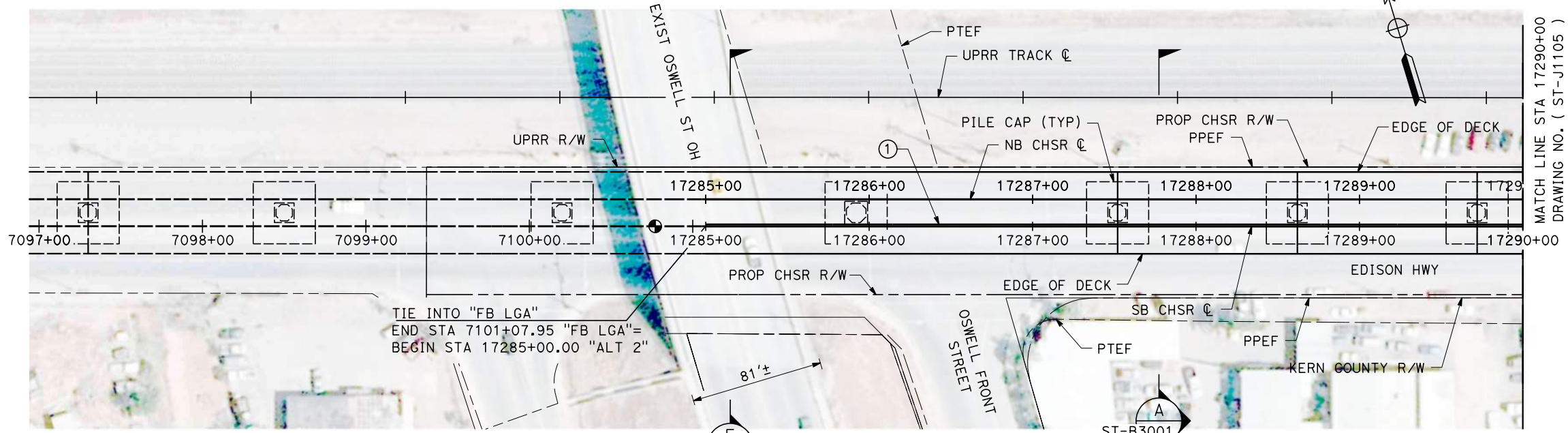
5:11:45 AM

1/20/2021

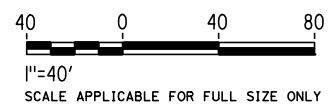
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

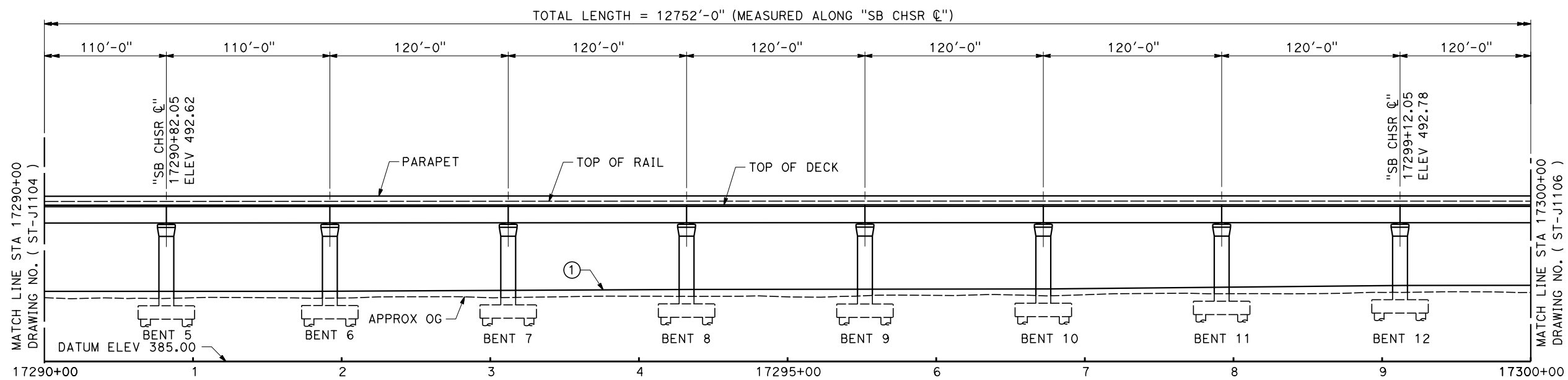
ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+52.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44

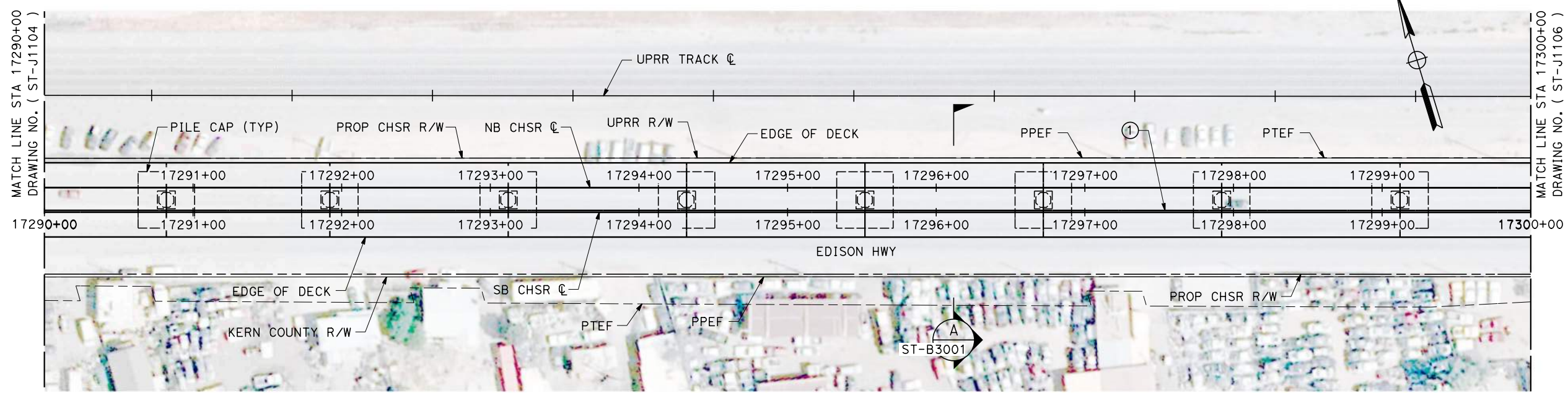
DRAWING NO.  
ST-J1104

SCALE  
AS SHOWN

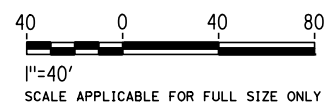
SHEET NO.  
123



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1105  
5:07:48 AM  
1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
 DRAWN BY  
**Y. WANG**  
 CHECKED BY  
**R. BARTON**  
 IN CHARGE  
**G. CAMPBELL**  
 DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 ALTERNATIVE 2  
 TRACK STRUCTURES  
 VIADUCT STATION 17285+00 TO 17412+52.05  
 PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
 DRAWING NO.  
ST-J1105  
 SCALE  
AS SHOWN  
 SHEET NO.  
124

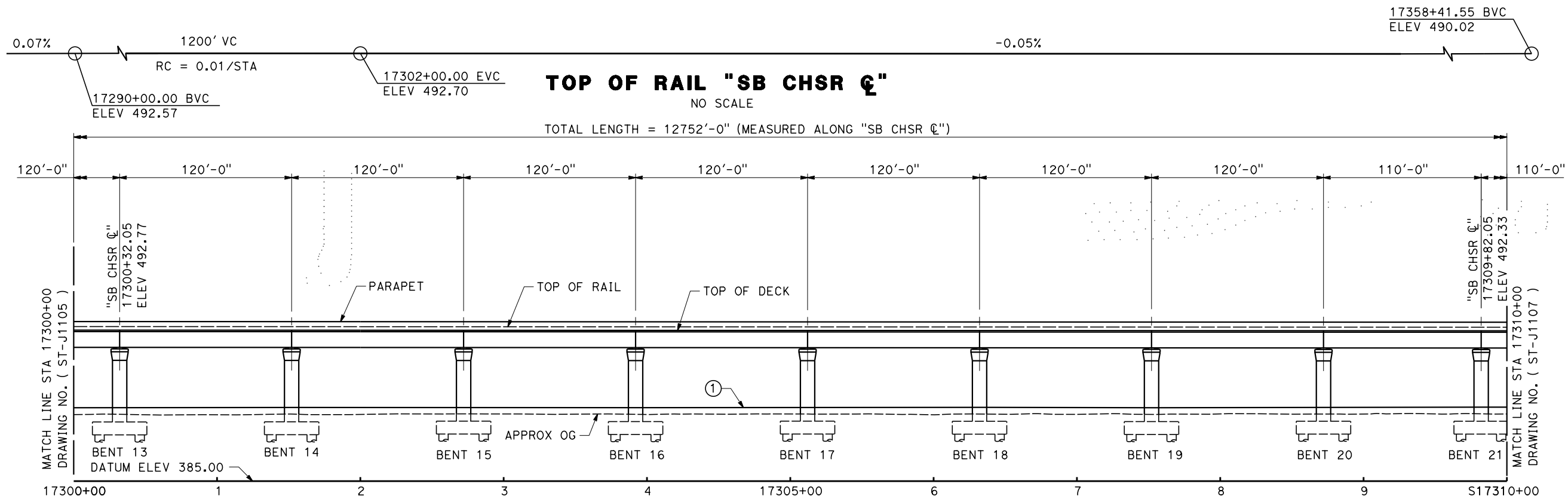


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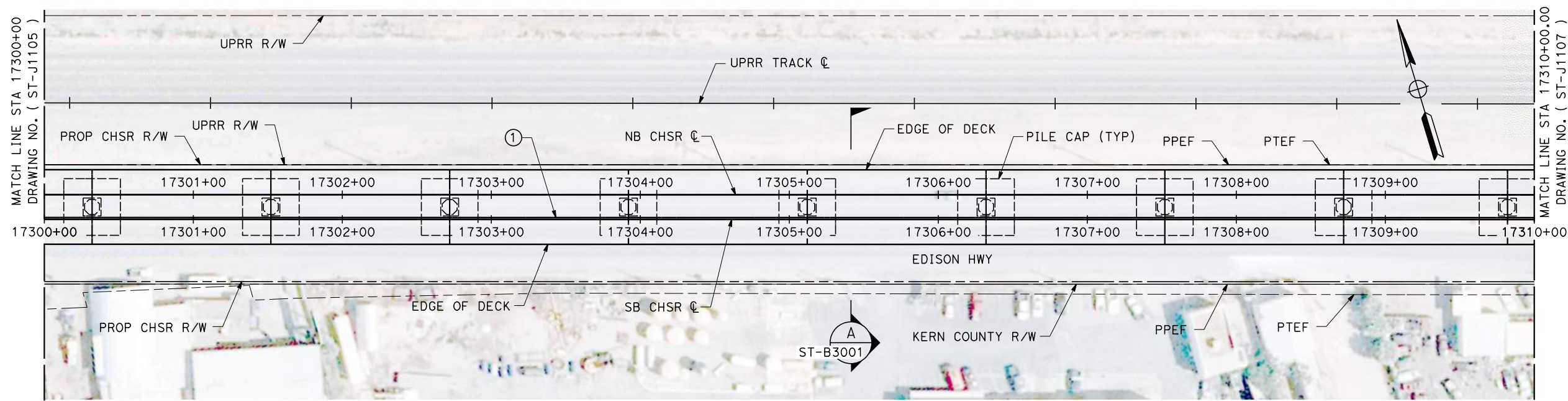
5:28:13 AM

1/20/2021

ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

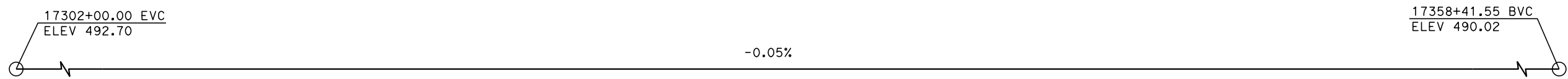
**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



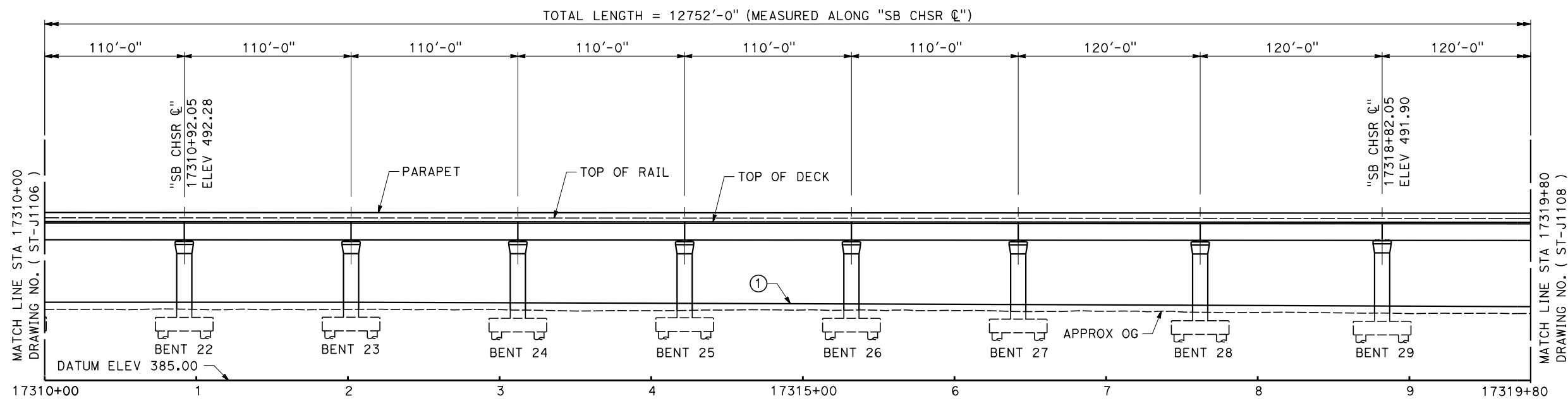
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+52.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1106  
SCALE  
AS SHOWN  
SHEET NO.  
125

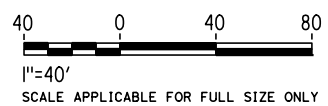
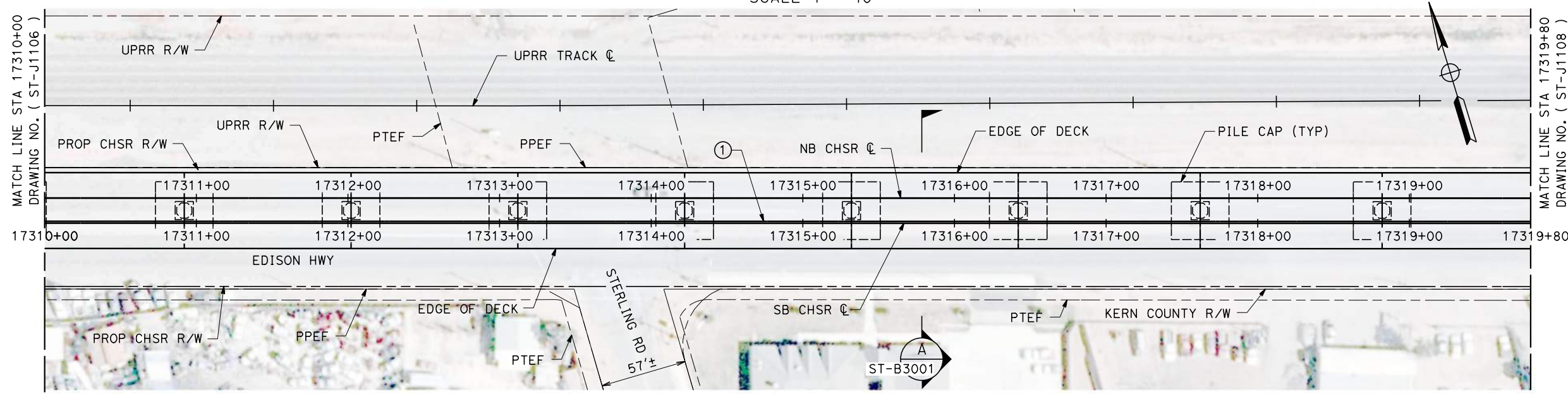
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5:12:40 AM  
1/20/2021  
ics\_user\_17609



**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



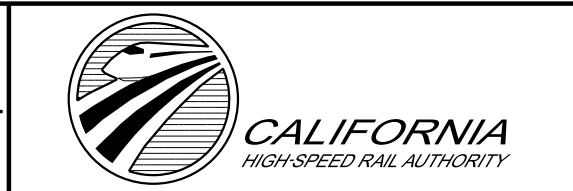
**PLAN**  
SCALE 1" = 40'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

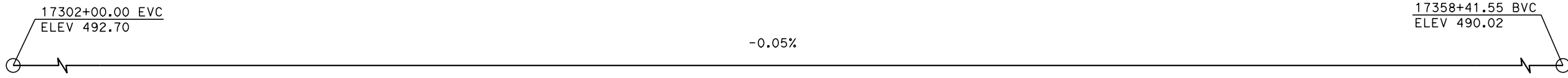


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17285+00' TO 17412+52.05  
PLAN AND ELEVATION

CONTRACT NO.  
**HSR 13-44**  
DRAWING NO.  
**ST-J1107**  
SCALE  
**AS SHOWN**  
SHEET NO.  
**126**



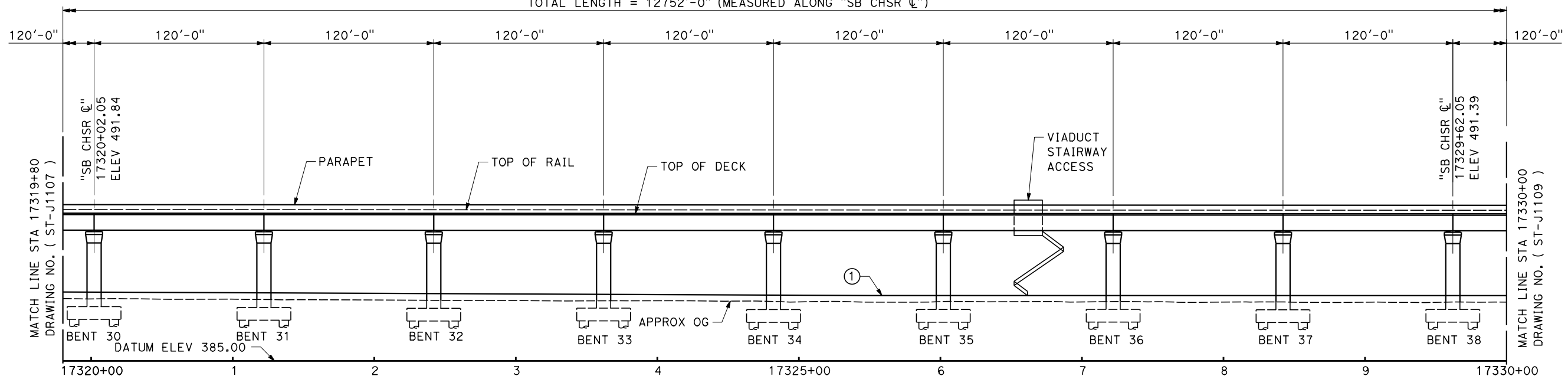
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1/20/2021  
ics\_user\_17609



**TOP OF RAIL "SB CHSR C"**

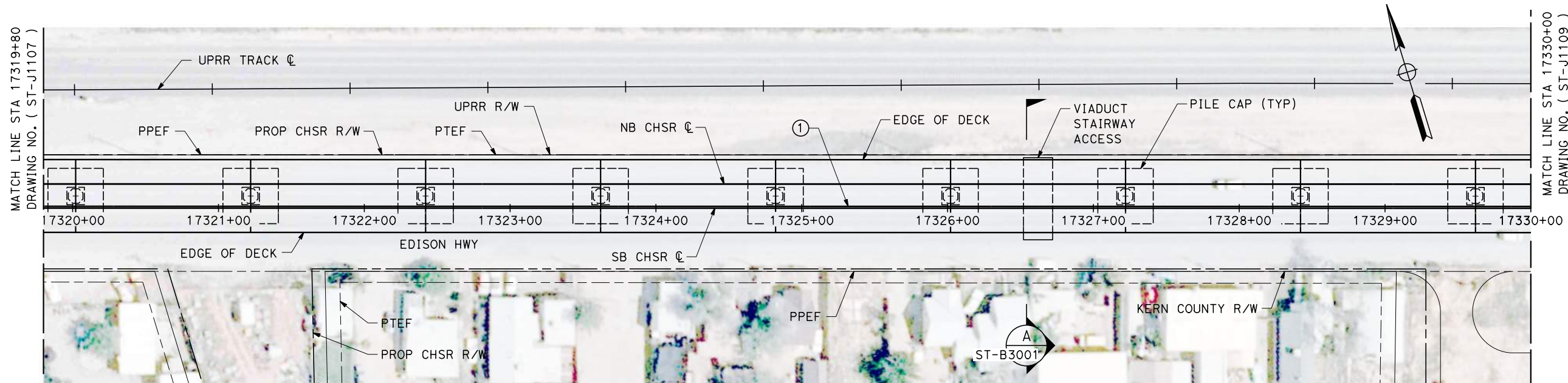
NO SCALE

TOTAL LENGTH = 12752'-0" (MEASURED ALONG "SB CHSR C")



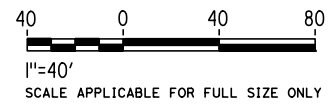
**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

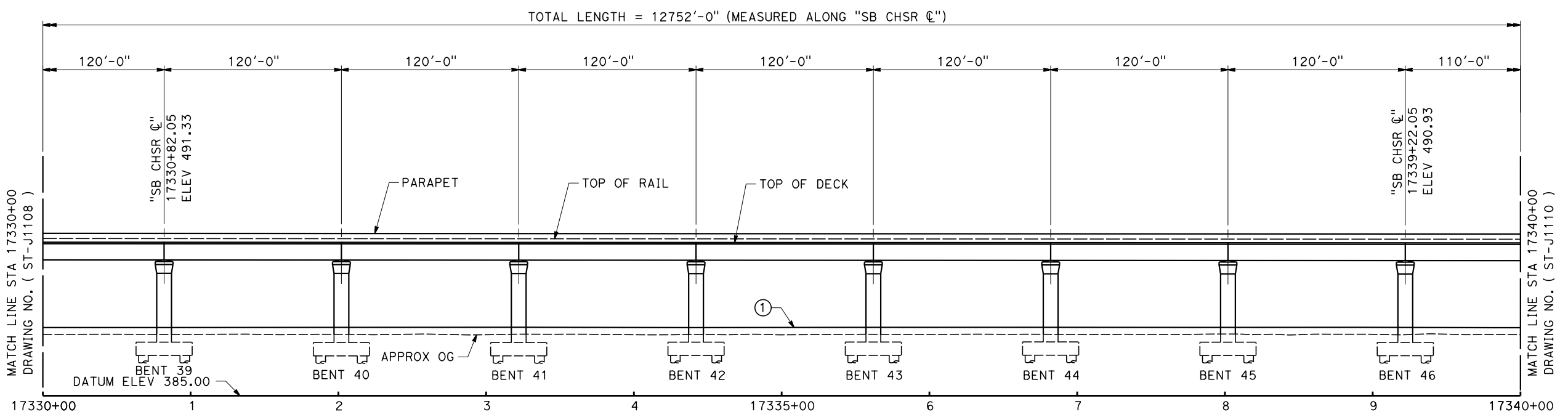
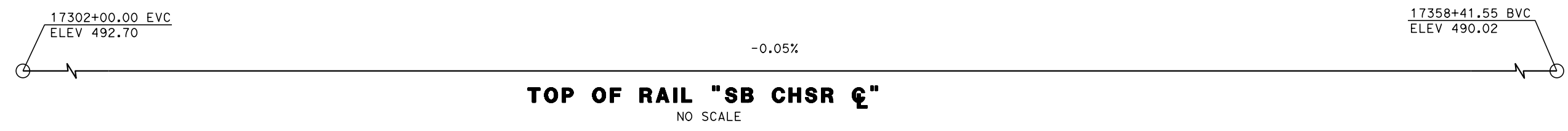
**NOT FOR**  
**CONSTRUCTION**



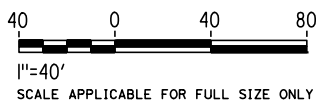
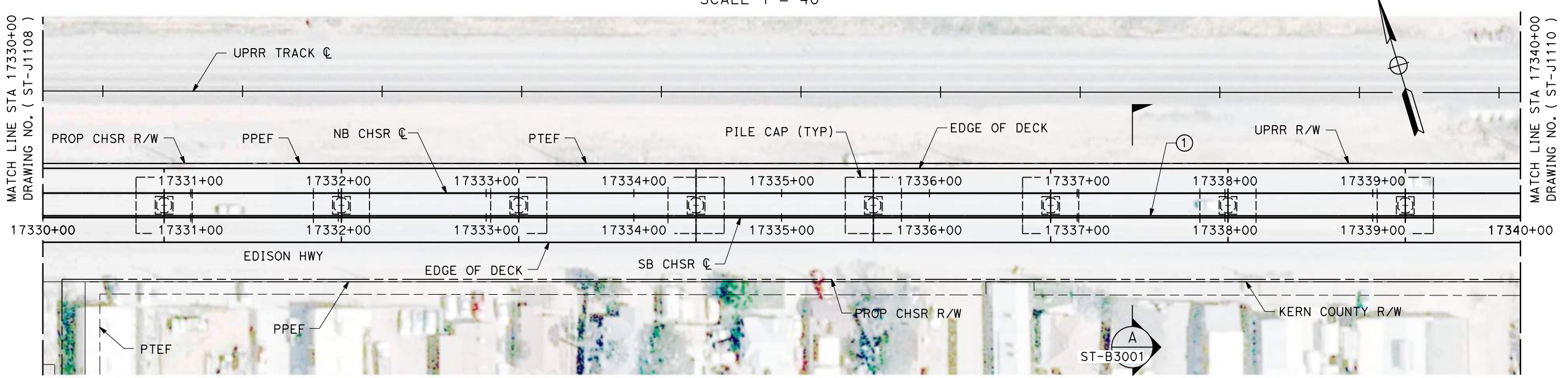
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+52.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1108  
SCALE  
AS SHOWN  
SHEET NO.  
127

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1109  
5:29:02 AM  
1/20/2021  
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+52.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1109  
SCALE  
AS SHOWN  
SHEET NO.  
128



17302+00.00 EVC  
ELEV 492.70

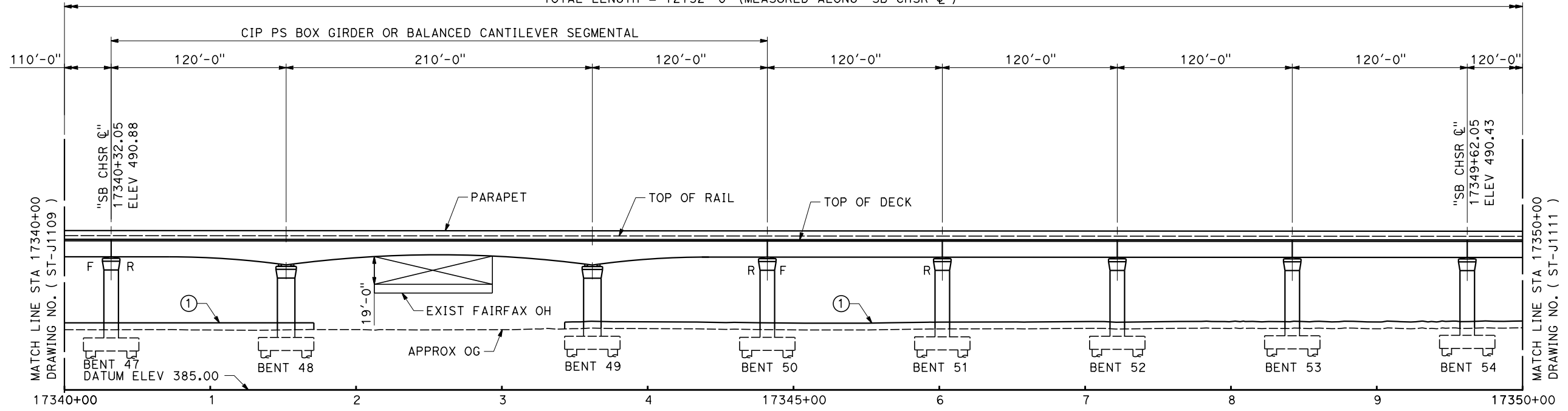
-0.05%

17358+41.55 BVC  
ELEV 490.02

**TOP OF RAIL "SB CHSR ☐"**

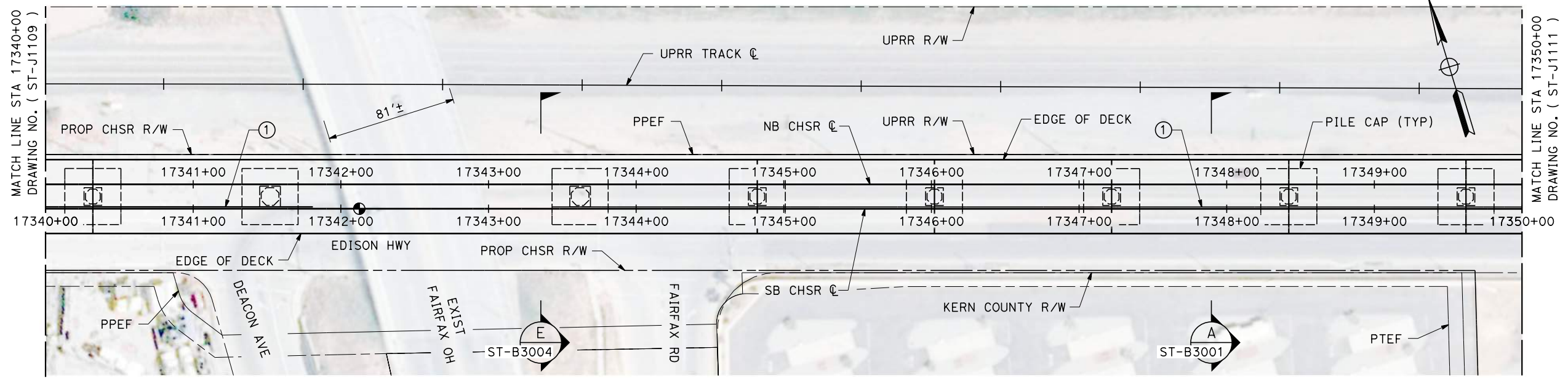
NO SCALE

TOTAL LENGTH = 12752'-0" (MEASURED ALONG "SB CHSR ☐")



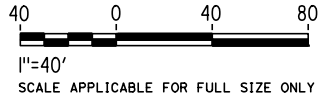
**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1110  
5:20:46 AM  
1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

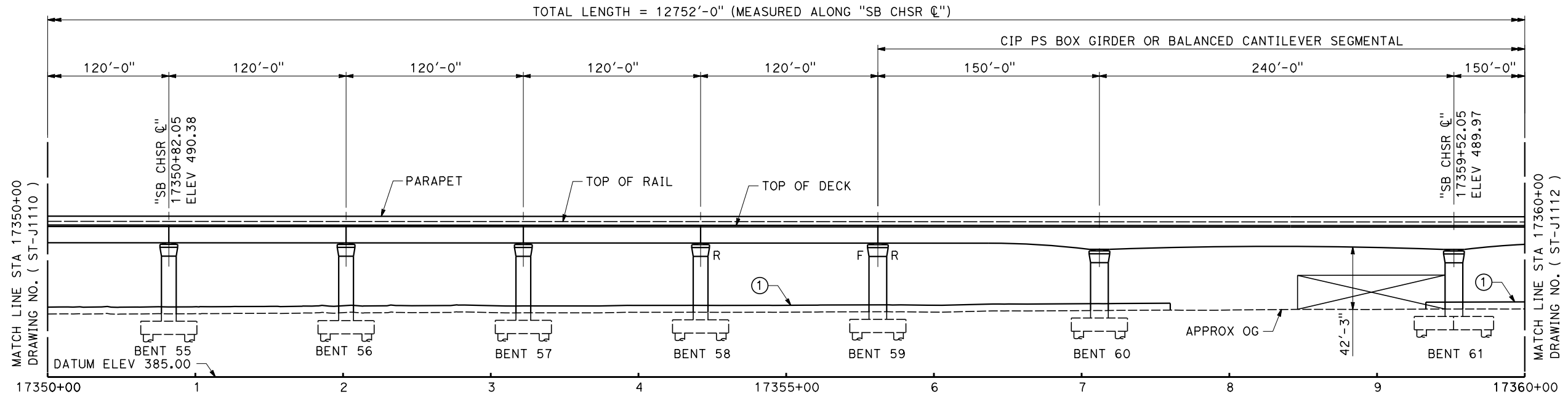
ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+52.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44

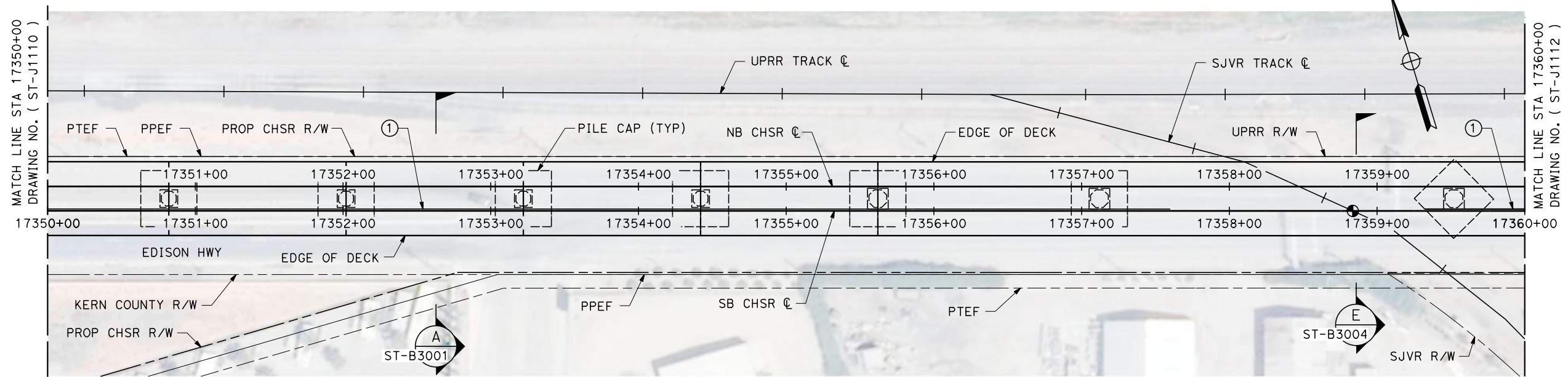
DRAWING NO.  
ST-J1110

SCALE  
AS SHOWN

SHEET NO.  
129



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1111  
5:21:50 AM  
1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+52.05  
PLAN AND ELEVATION

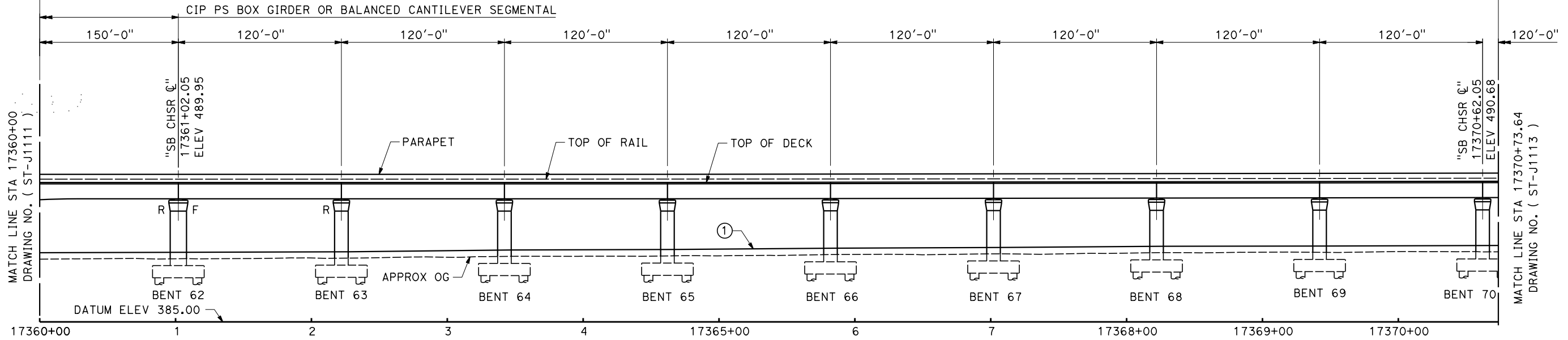
CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1111  
SCALE  
AS SHOWN  
SHEET NO.  
130



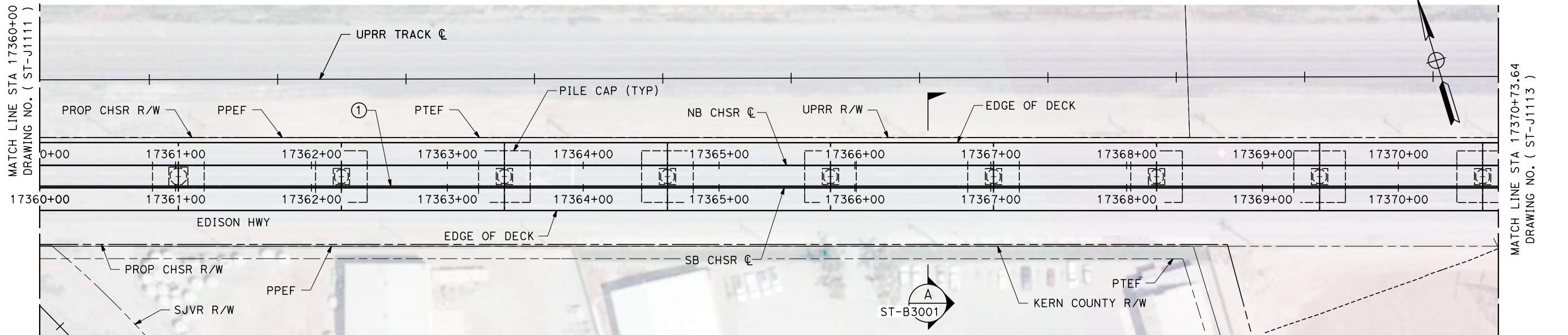


**TOP OF RAIL "SB CHSR C"**  
NO SCALE

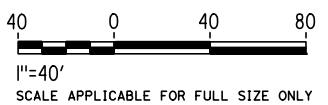
TOTAL LENGTH = 12752'-0" (MEASURED ALONG "SB CHSR C")



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1112  
5:09:51 AM  
1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+52.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1112  
SCALE  
AS SHOWN  
SHEET NO.  
131

Projects\701206.00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1113 5:22:07 AM 1/20/2021 \_ics\_user\_117609

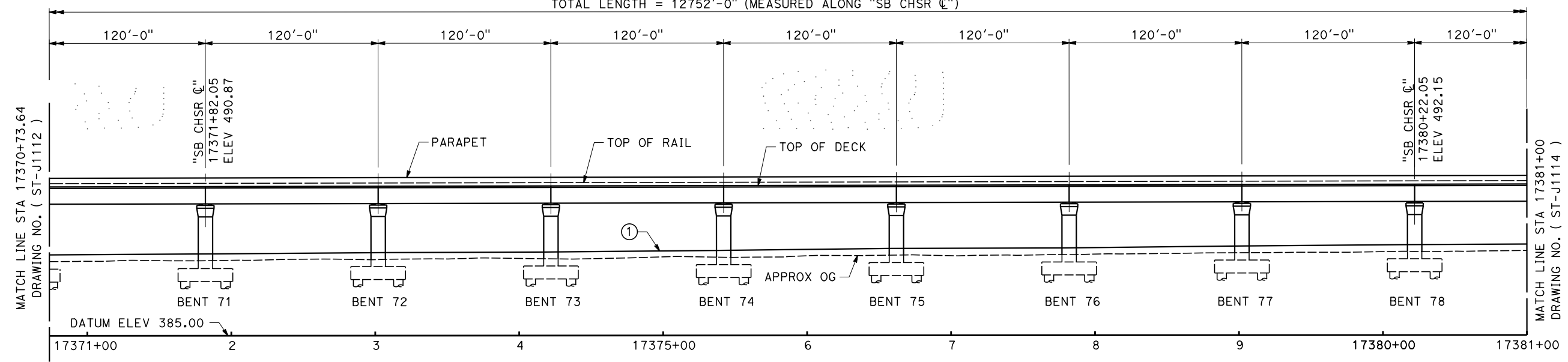
17407+81.55 BVC  
ELEV 496.38

0.15%

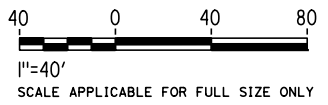
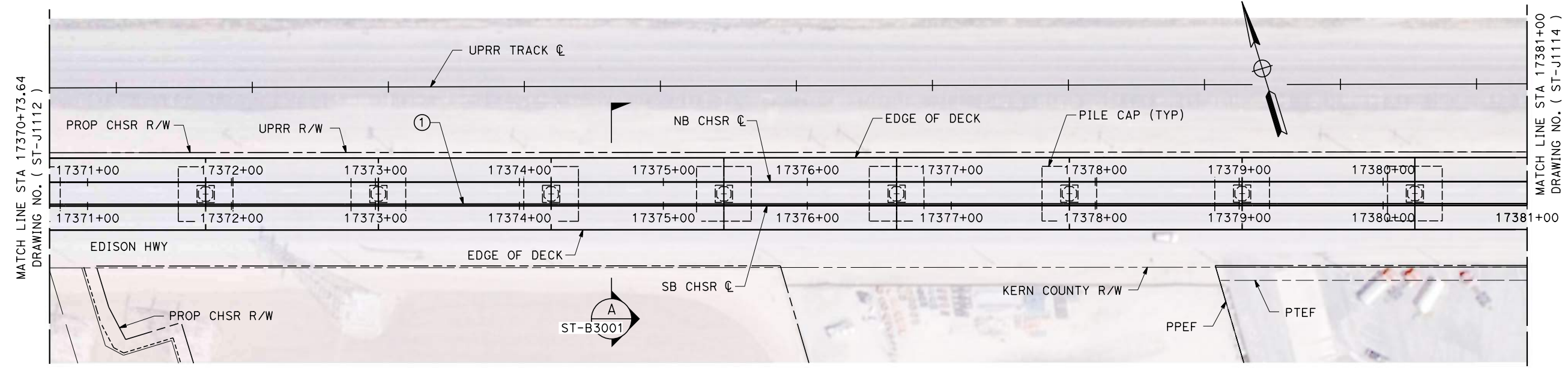
17370+41.55 EVC  
ELEV 490.65

**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE

TOTAL LENGTH = 12752'-0" (MEASURED ALONG "SB CHSR ☉")



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

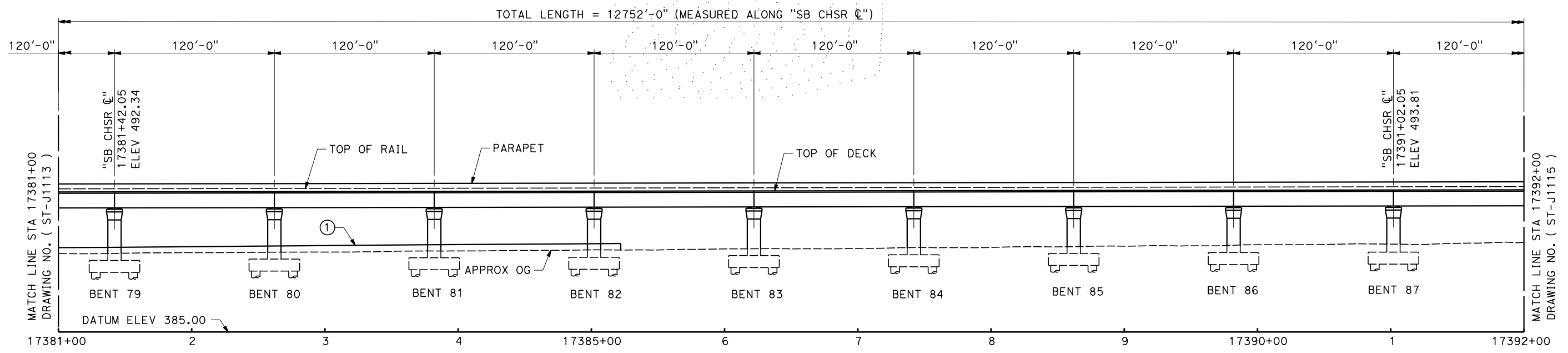
**NOT FOR**  
**CONSTRUCTION**



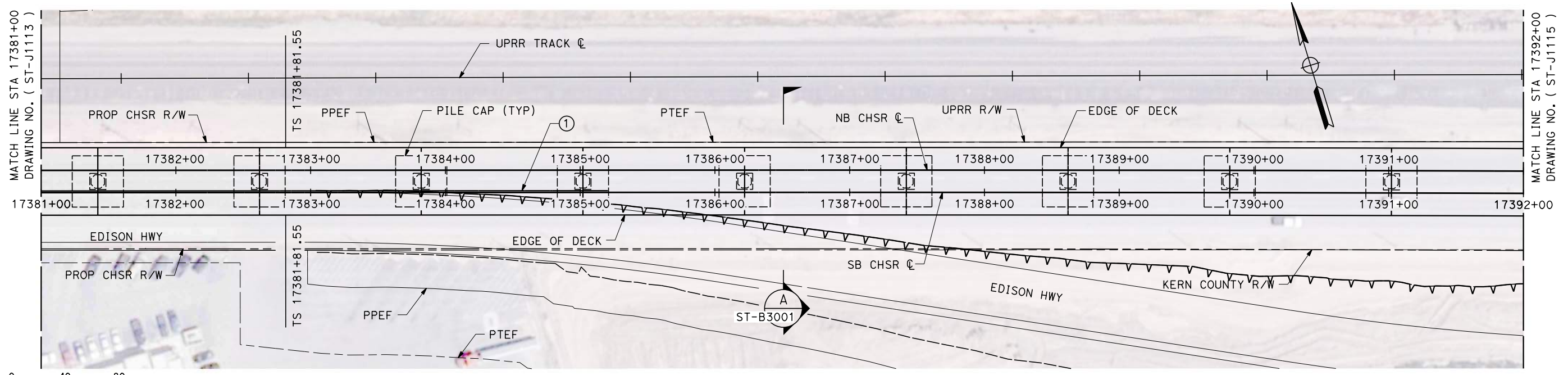
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+52.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1113  
SCALE  
AS SHOWN  
SHEET NO.  
132

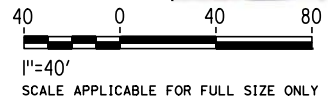




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1114  
5:10:50 AM  
1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+52.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1114  
SCALE  
AS SHOWN  
SHEET NO.  
133

17370+41.55 EVC  
ELEV 491.68

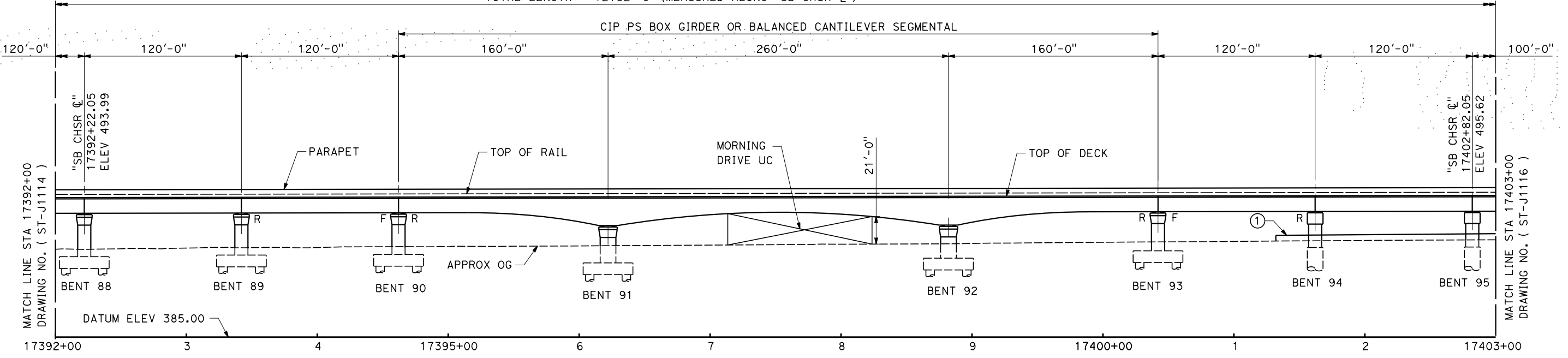
17407+81.55 BVC  
ELEV 496.38

0.15%

**TOP OF RAIL "SB CHSR ☺"**

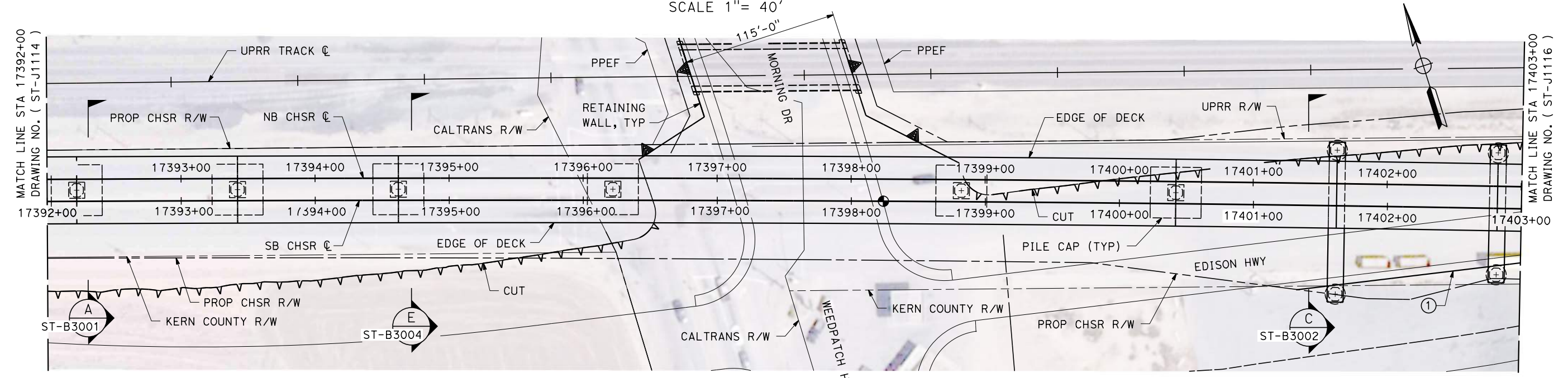
NO SCALE

TOTAL LENGTH = 12752'-0" (MEASURED ALONG "SB CHSR ☺")



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1115

5:13:01 AM

1/20/2021

ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+52.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44

DRAWING NO.  
ST-J1115

SCALE  
AS SHOWN

SHEET NO.  
134

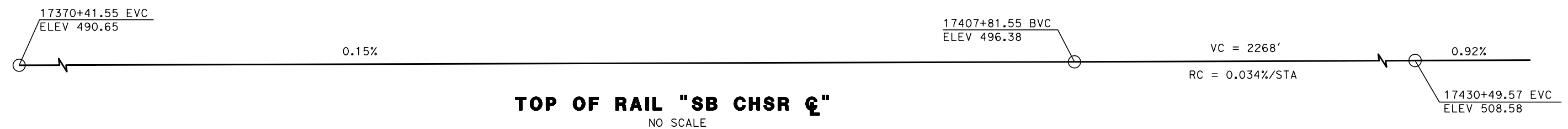


Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1116

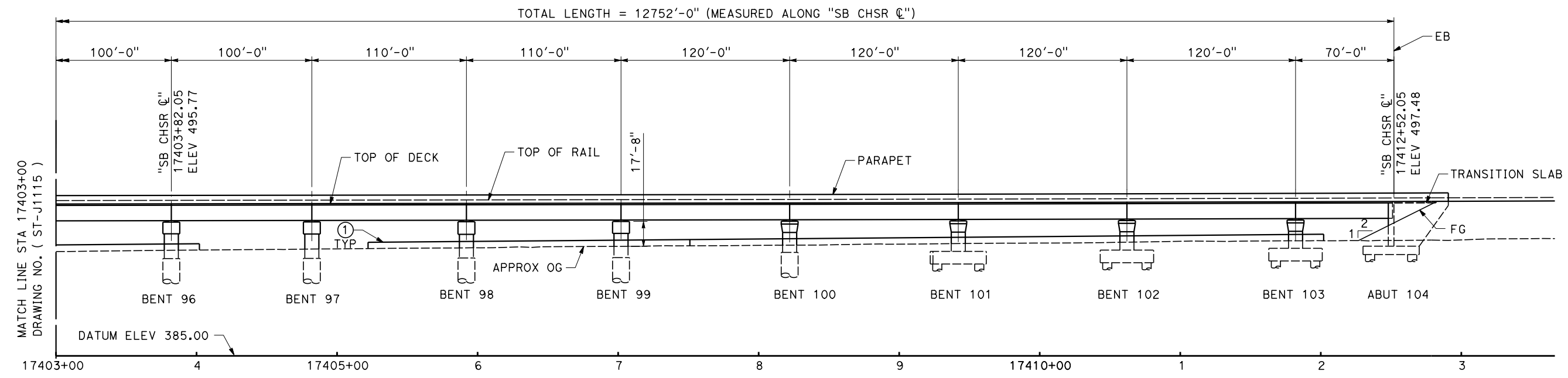
5:21:09 AM

1/20/2021

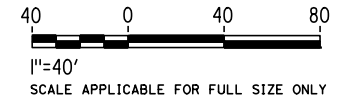
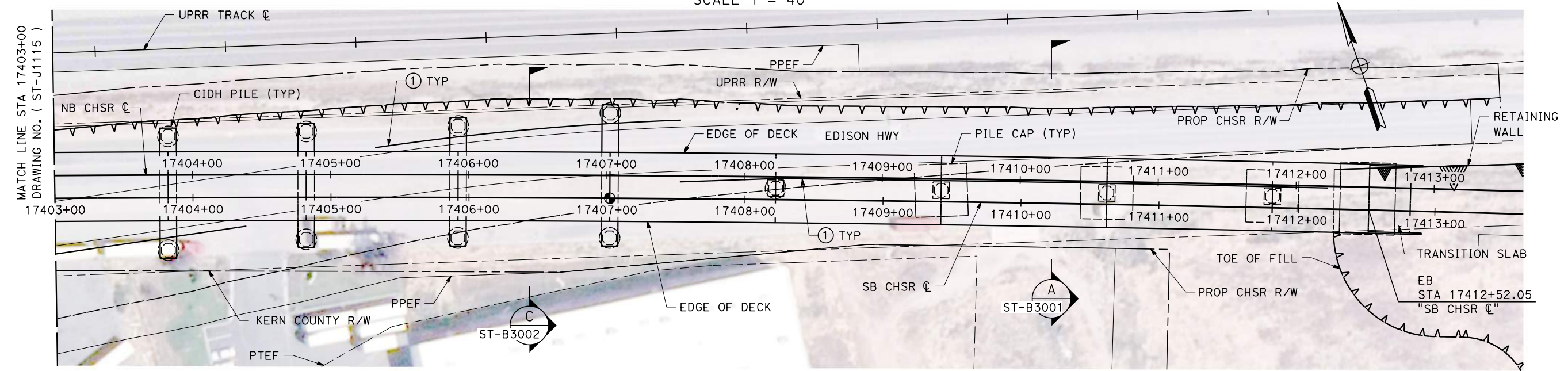
ics\_user\_17609



**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17285+00 TO 17412+52.05  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44

DRAWING NO.  
ST-J1116

SCALE  
AS SHOWN

SHEET NO.  
135

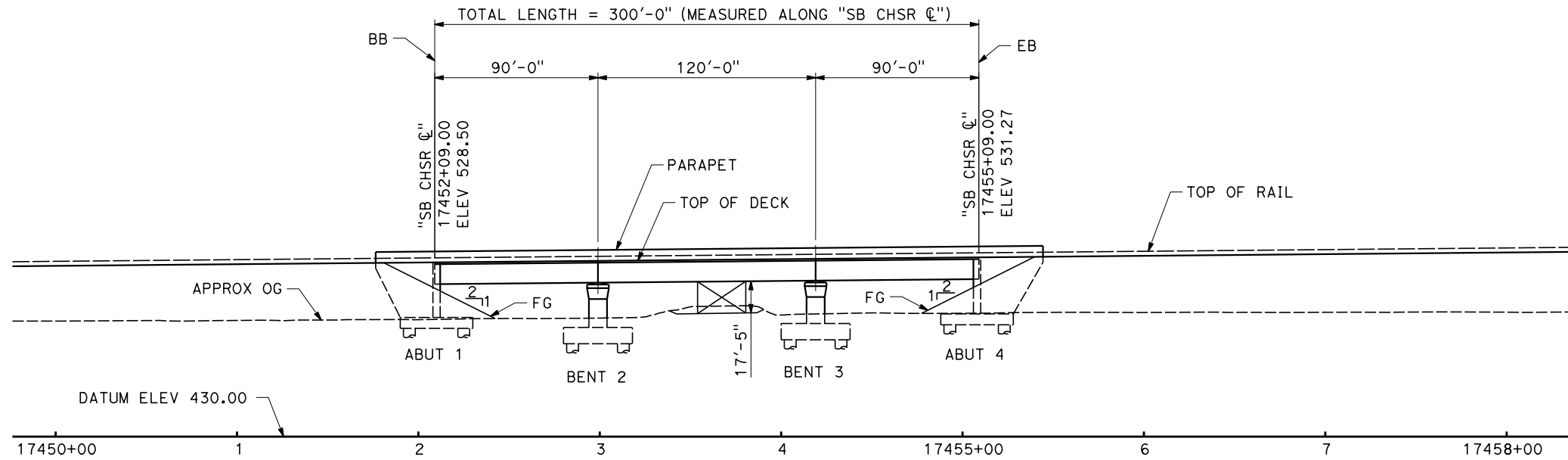
17430+49.57 EVC  
ELEV 508.58

0.92%

17616+98.46 BVC  
ELEV 680.59

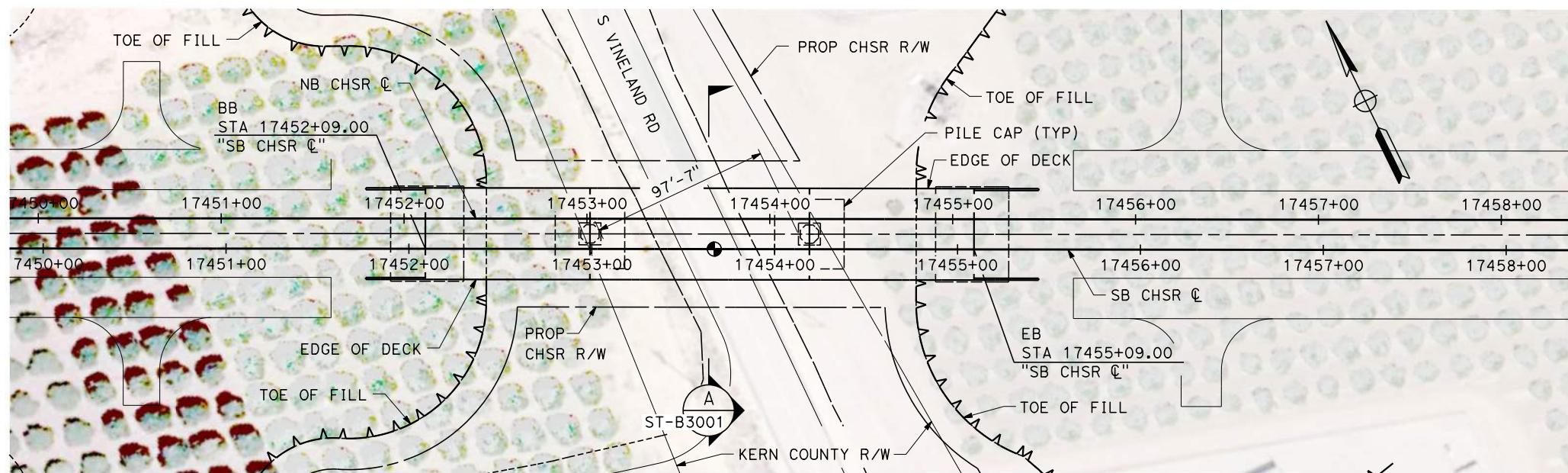
### TOP OF RAIL "SB CHSR ☉"

NO SCALE



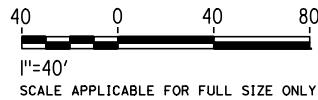
#### ELEVATION

SCALE 1" = 40'



#### PLAN

SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1120  
5:29:18 AM  
1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**

**PEPD**

**SUBMITTAL**

**NOT FOR**

**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**

**BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2

TRACK STRUCTURES

VINELAND ROAD UNDERPASS

PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44

DRAWING NO.  
ST-J1120

SCALE  
AS SHOWN

SHEET NO.  
136

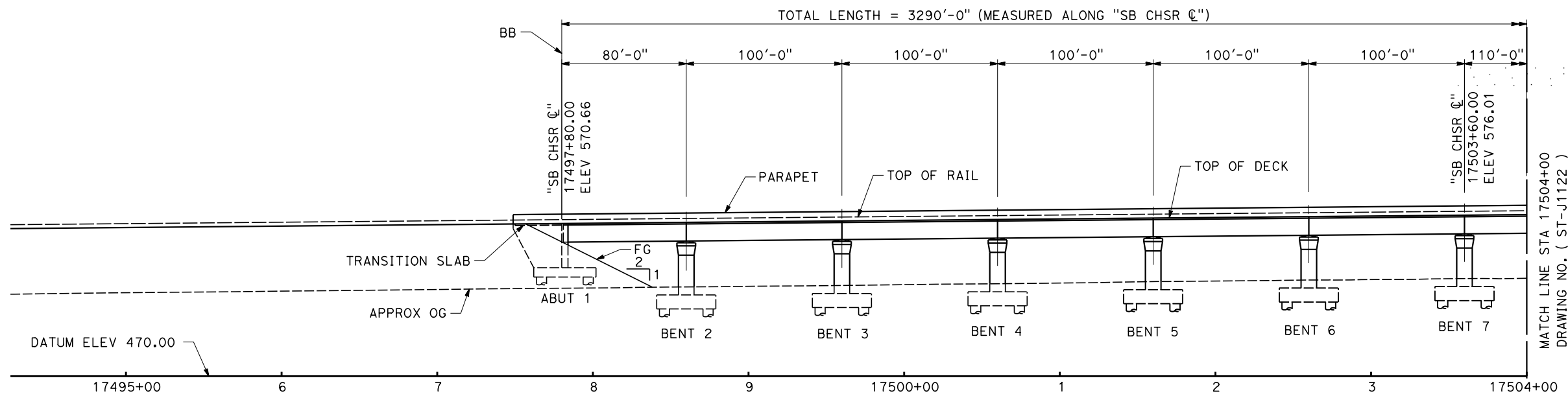


17430+49.57 EVC  
ELEV 508.58

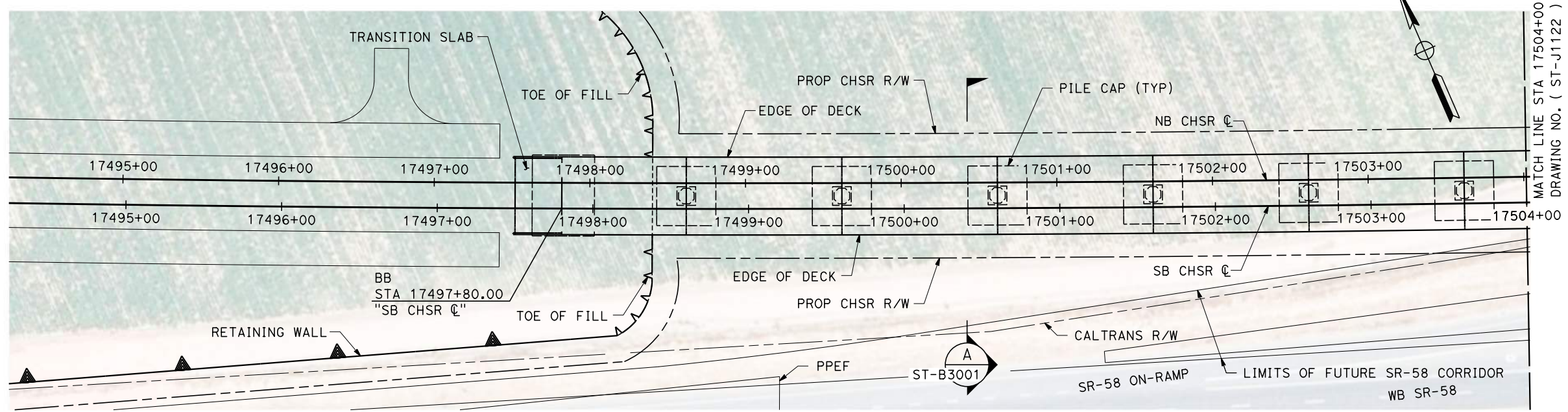
0.92%

17616+98.46 BVC  
ELEV 680.59

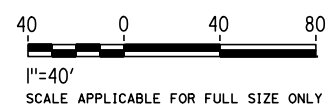
**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1121

1/20/2021 5:10:12 AM

ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17497+80 TO 17530+70  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44

DRAWING NO.  
ST-J1121

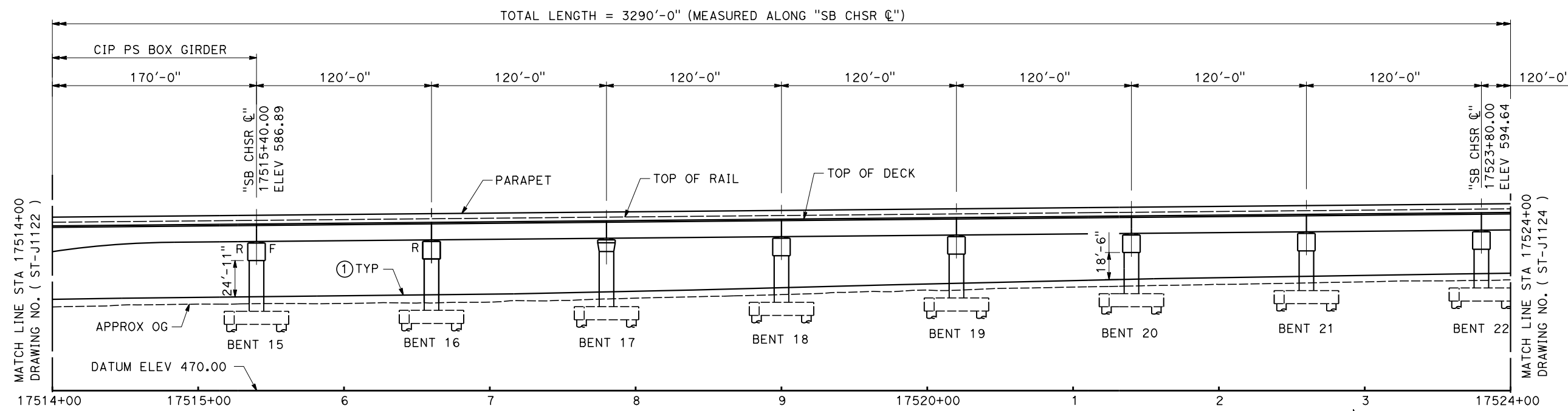
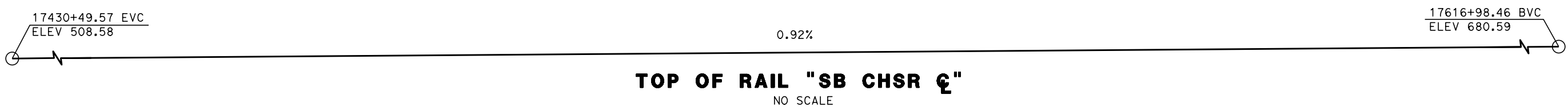
SCALE  
AS SHOWN

SHEET NO.  
137

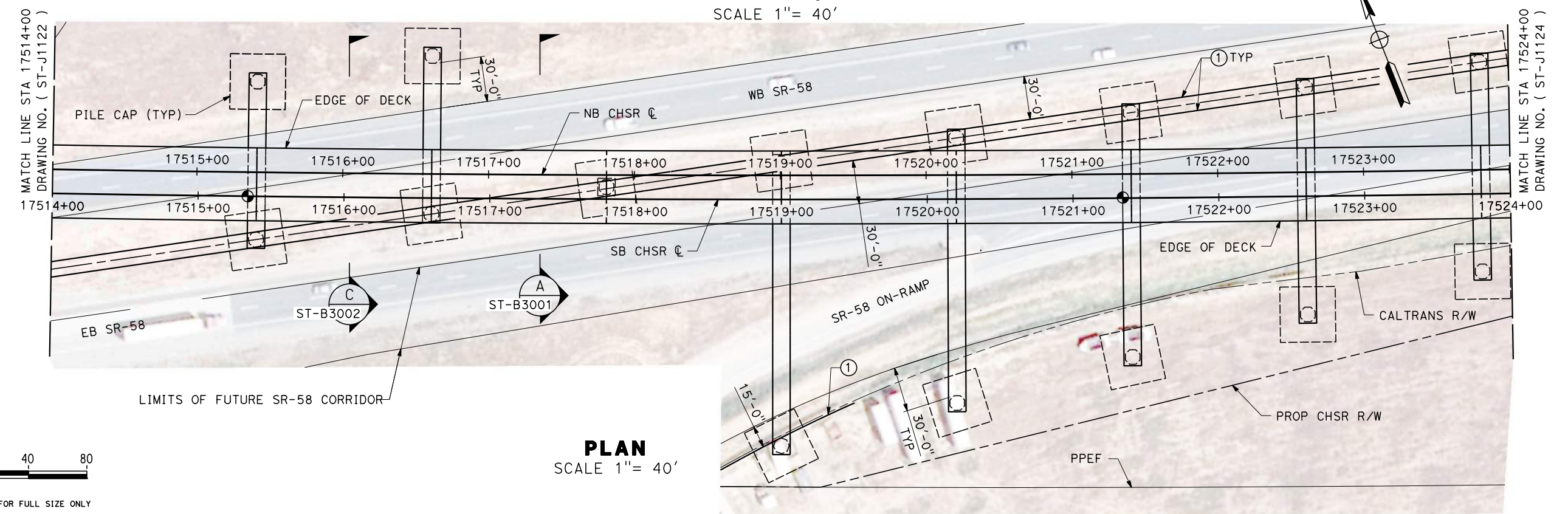




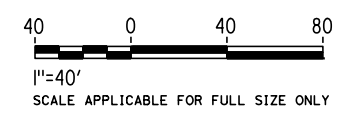
1/20/2021 5:11:05 AM i:\cs\_user\_17609 Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1123



**ELEVATION**  
SCALE 1" = 40'



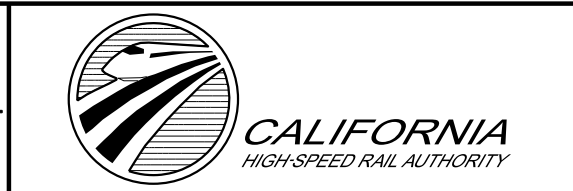
**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
 DRAWN BY  
**Y. WANG**  
 CHECKED BY  
**R. BARTON**  
 IN CHARGE  
**G. CAMPBELL**  
 DATE  
**01/29/2021**

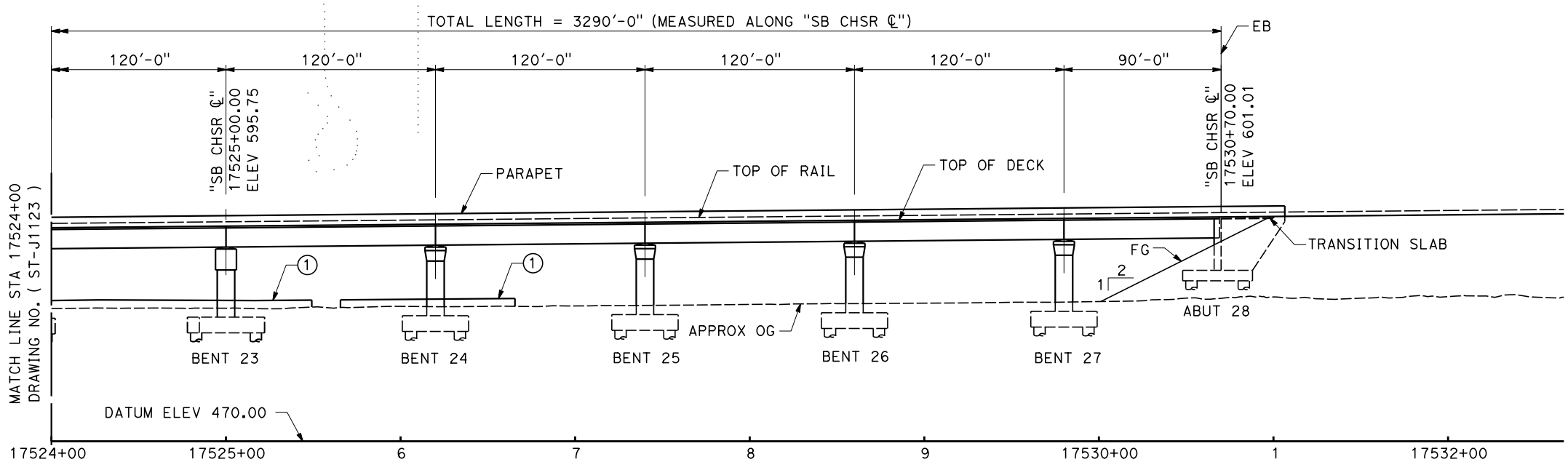
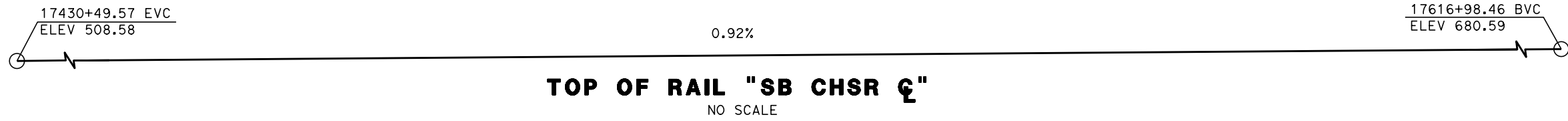
**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



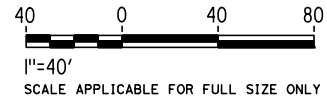
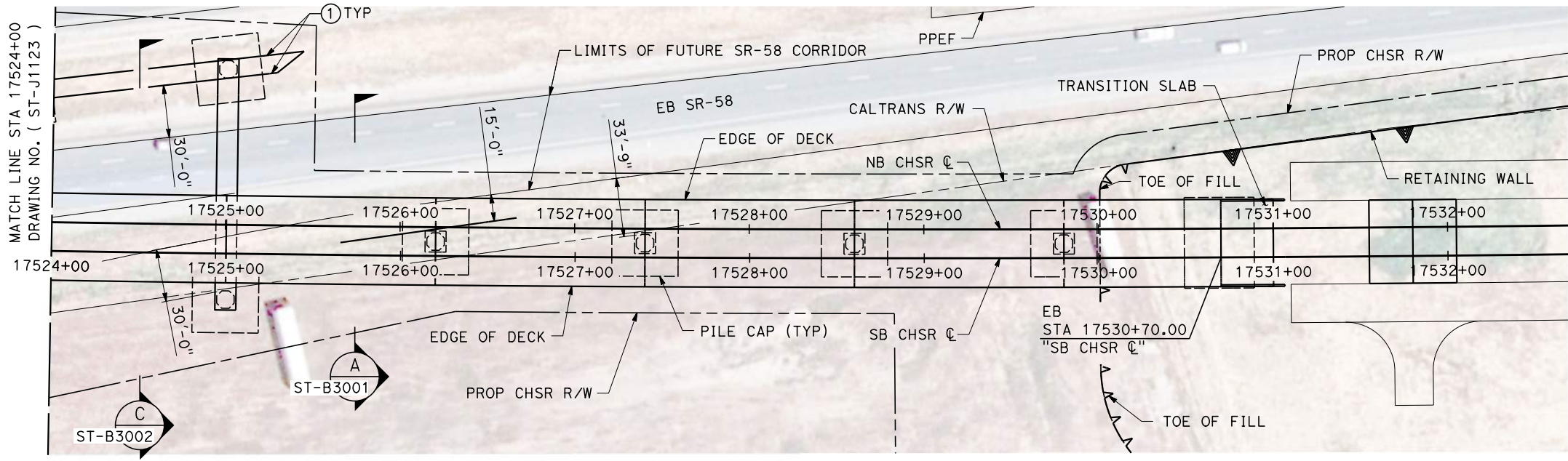
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 ALTERNATIVE 2  
 TRACK STRUCTURES  
 VIADUCT STATION 17497+80 TO 17530+70  
 PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
 DRAWING NO.  
ST-J1123  
 SCALE  
AS SHOWN  
 SHEET NO.  
139

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1124  
1/20/2021 5:13:19 AM jcs\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17497+80 TO 17530+70  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1124  
SCALE  
AS SHOWN  
SHEET NO.  
140



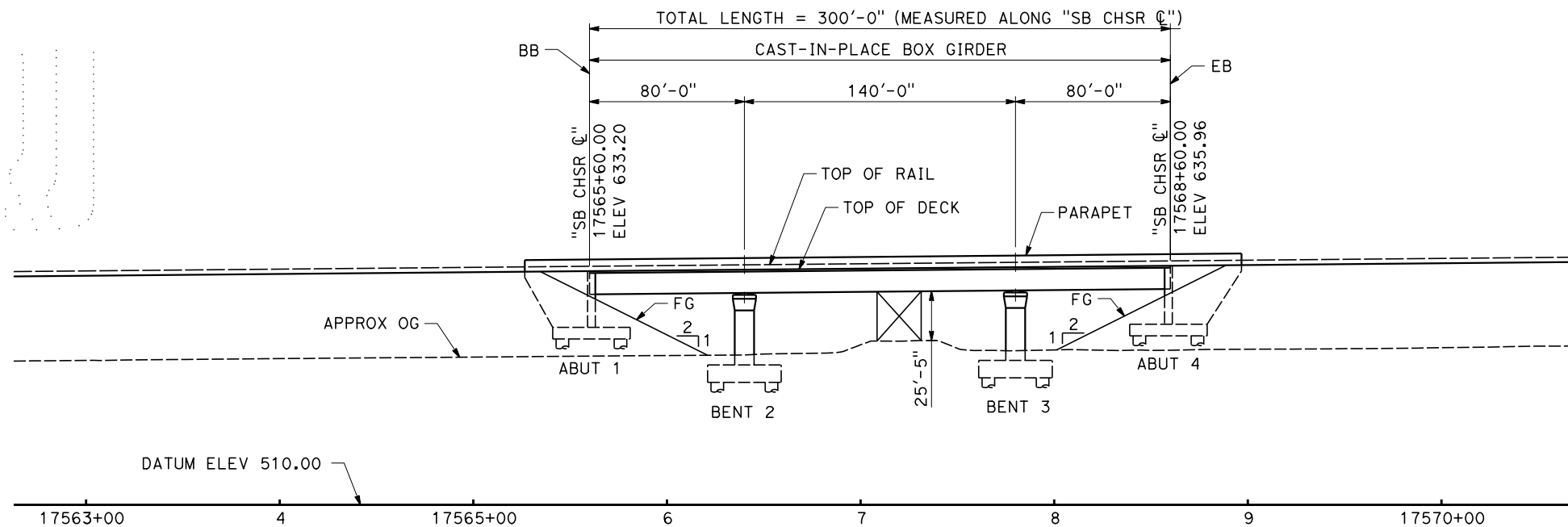
17430+49.57 EVC  
ELEV 508.58

0.92%

17616+98.46 BVC  
ELEV 680.59

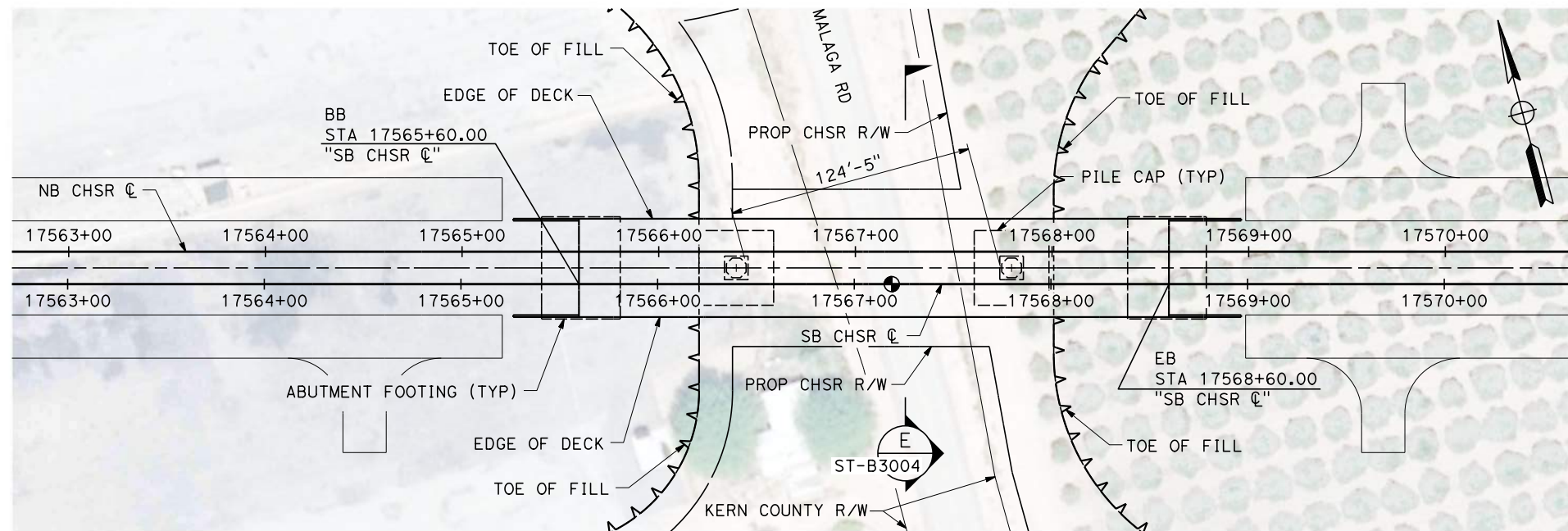
**TOP OF RAIL "SB CHSR C"**

NO SCALE



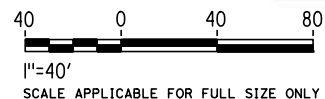
**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1125

5:21:36 AM

1/20/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**TYLIN INTERNATIONAL**



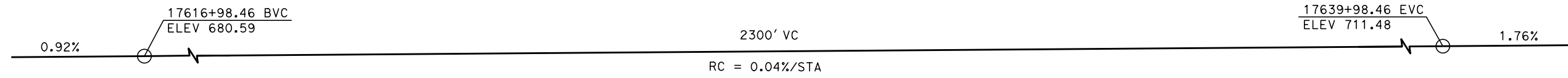
**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

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

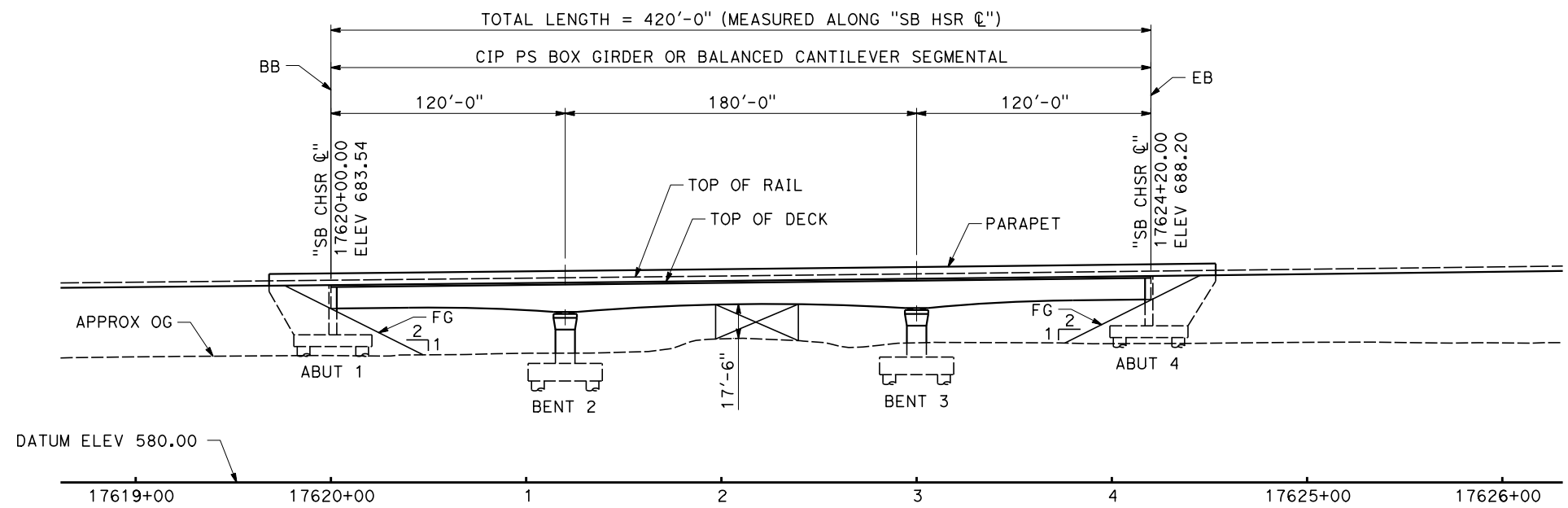
ALTERNATIVE 2  
TRACK STRUCTURES  
MALAGA ROAD UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1125  
SCALE  
AS SHOWN  
SHEET NO.  
141

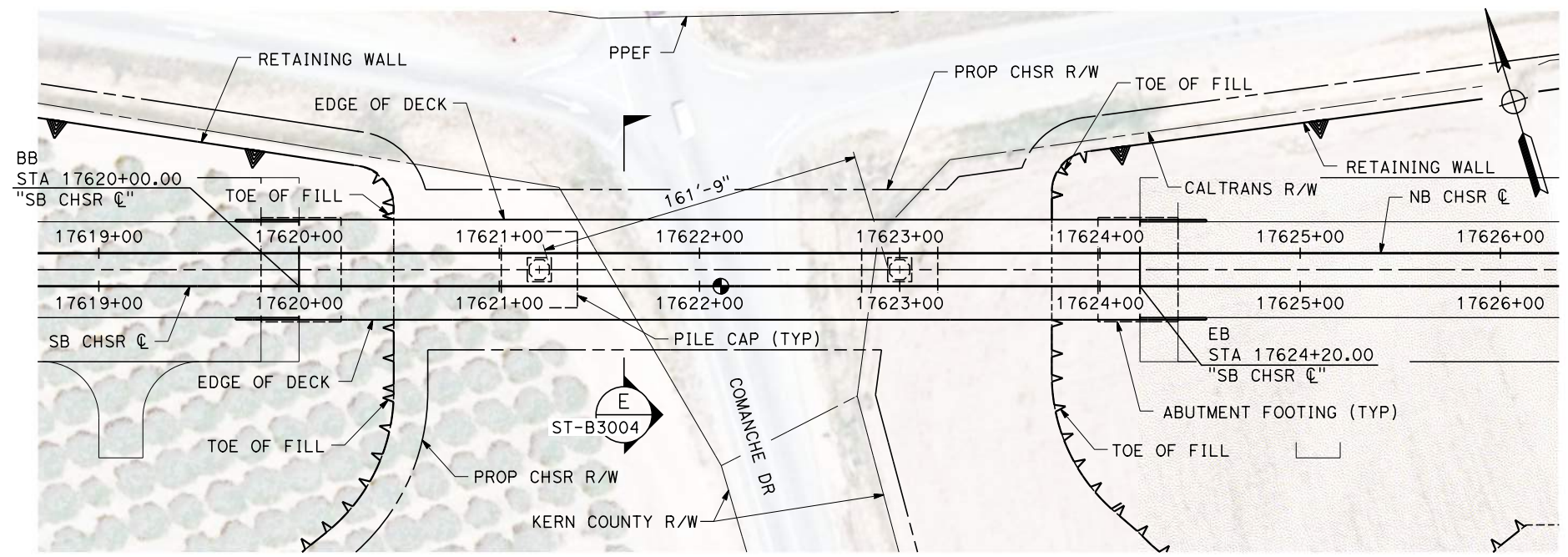
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 1/20/2021  
 jcs\_user\_17609



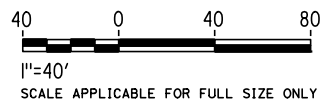
**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
 DRAWN BY  
**Y. WANG**  
 CHECKED BY  
**R. BARTON**  
 IN CHARGE  
**G. CAMPBELL**  
 DATE  
**01/29/2021**

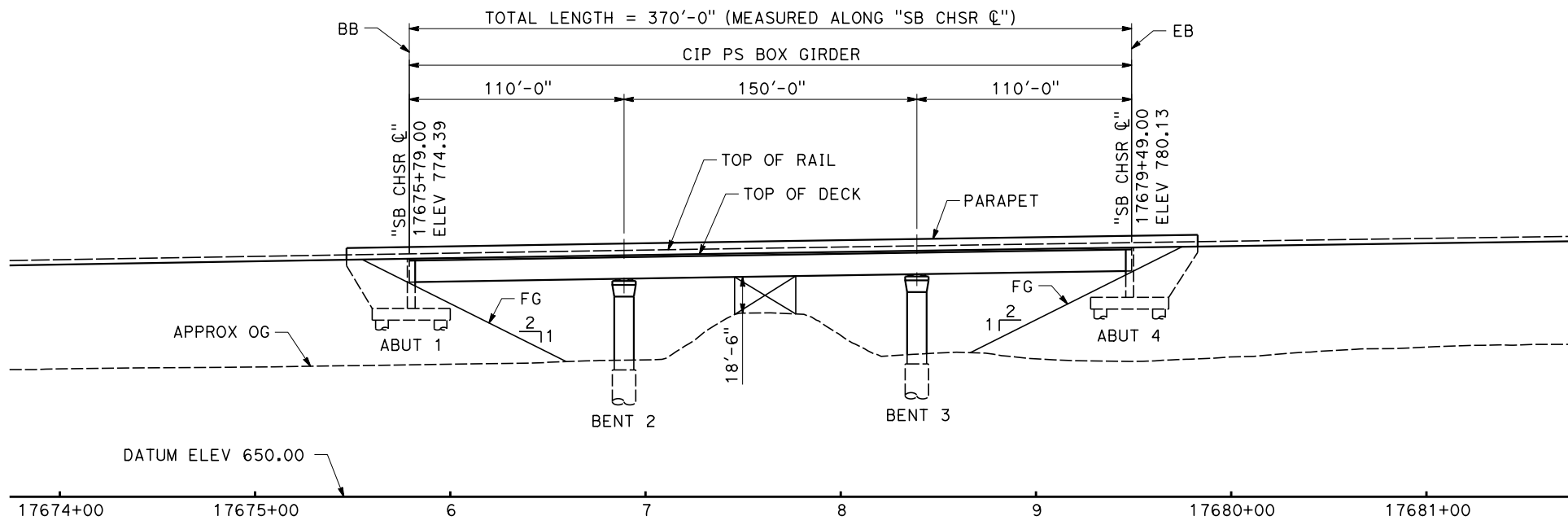
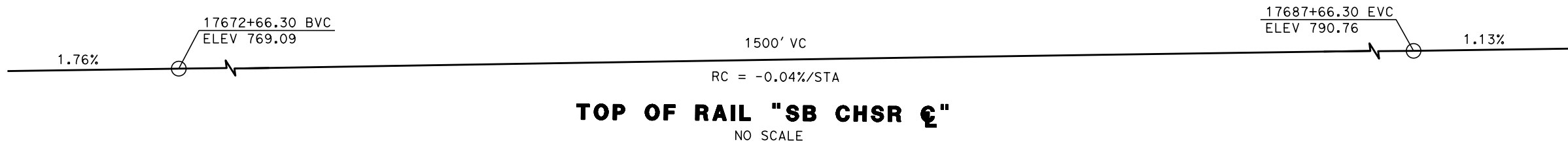
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**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**



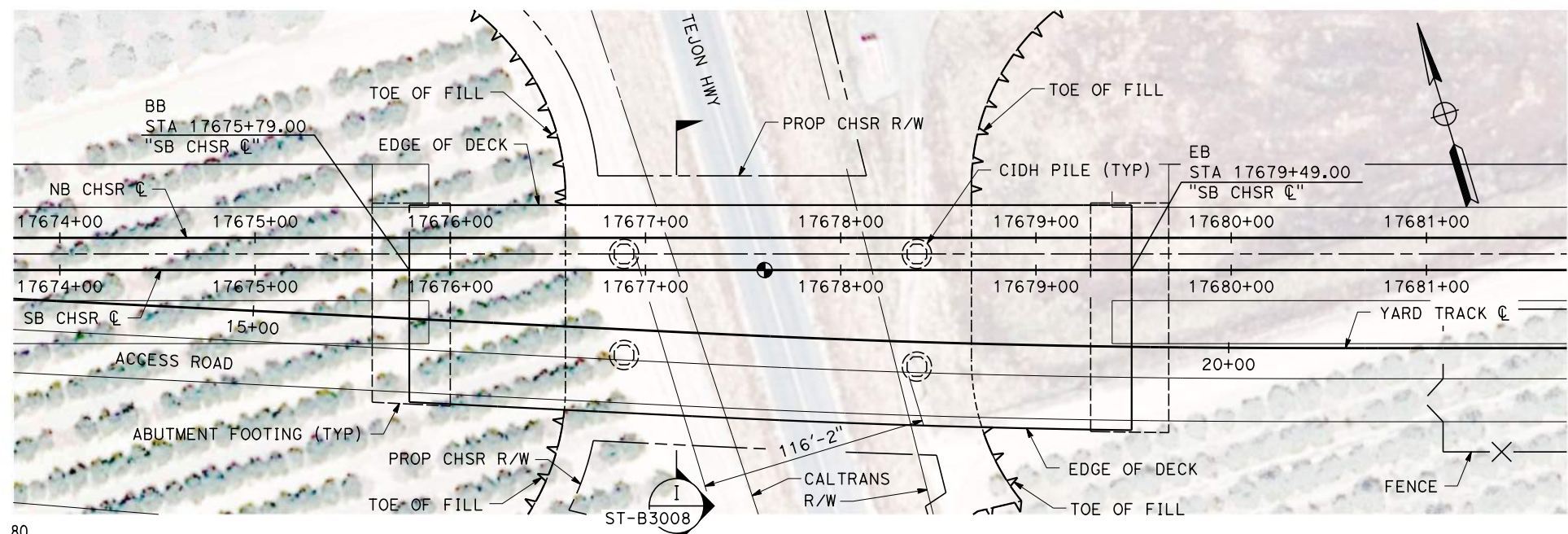
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 ALTERNATIVE 2  
 TRACK STRUCTURES  
 COMANCHE DRIVE UNDERPASS  
 PLAN AND ELEVATION

CONTRACT NO.  
**HSR 13-44**  
 DRAWING NO.  
**ST-J1126**  
 SCALE  
**AS SHOWN**  
 SHEET NO.  
**142**

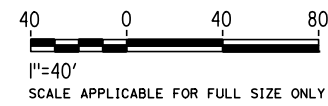




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1127  
1/20/2021 5:10:32 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

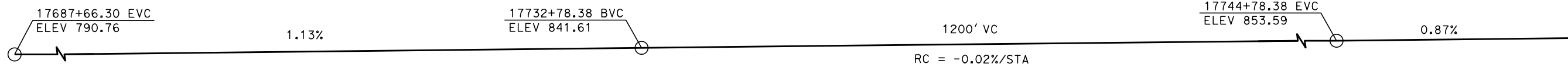
DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

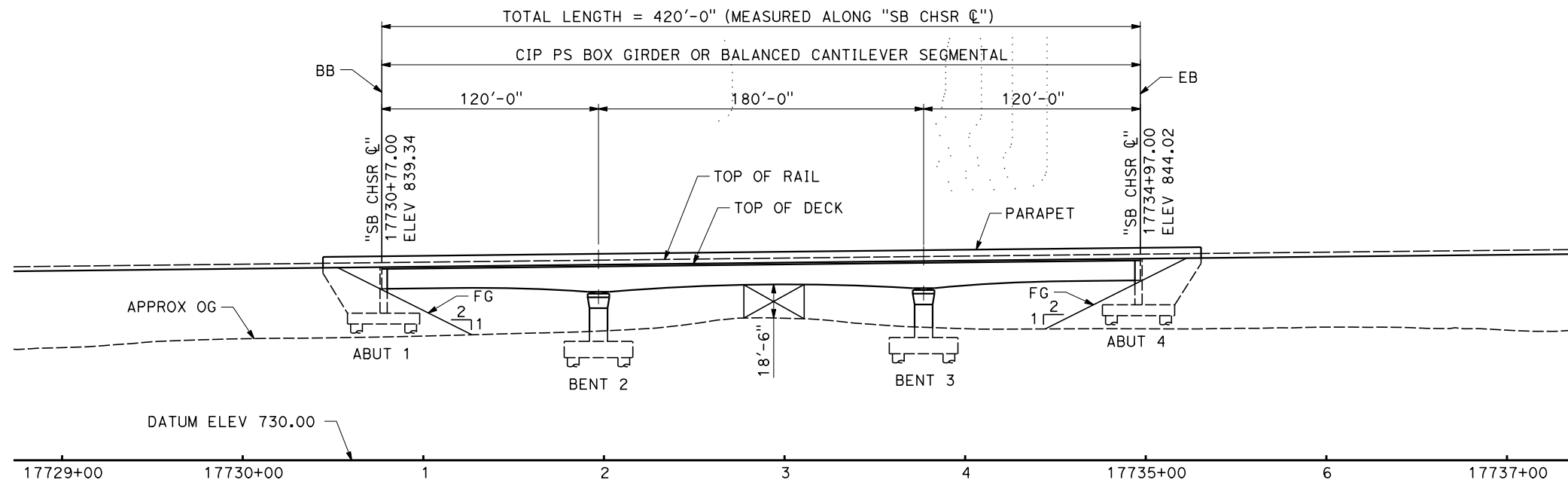


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
TEJON HIGHWAY UNDERPASS  
PLAN AND ELEVATION

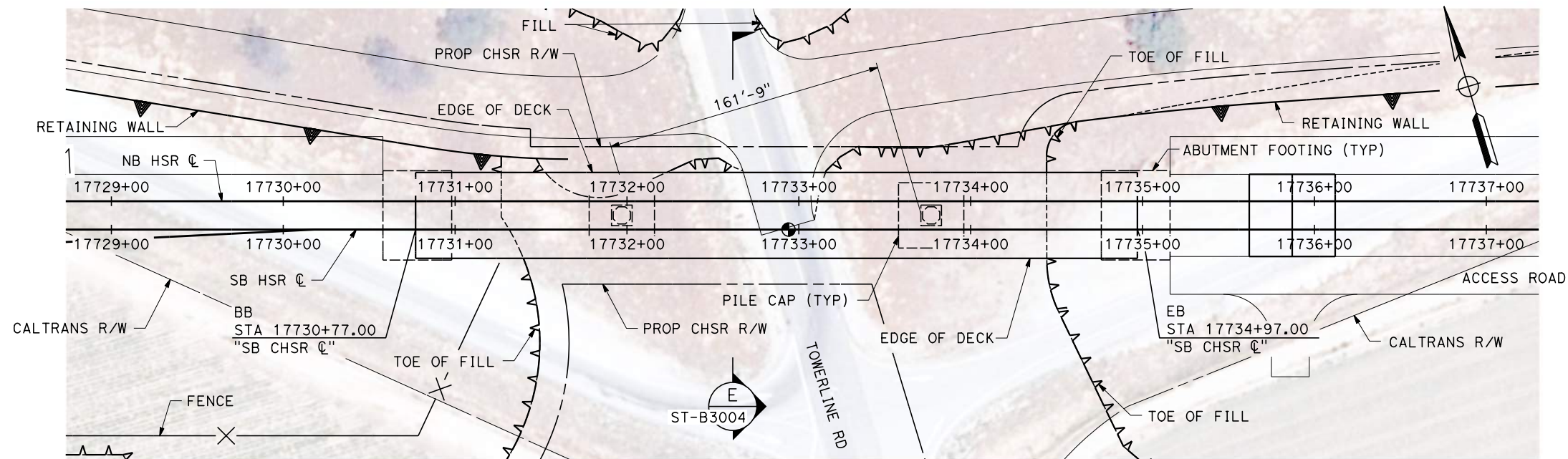
CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1127  
SCALE  
AS SHOWN  
SHEET NO.  
143



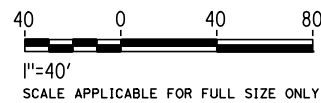
**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1128  
1/20/2021 5:12:16 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

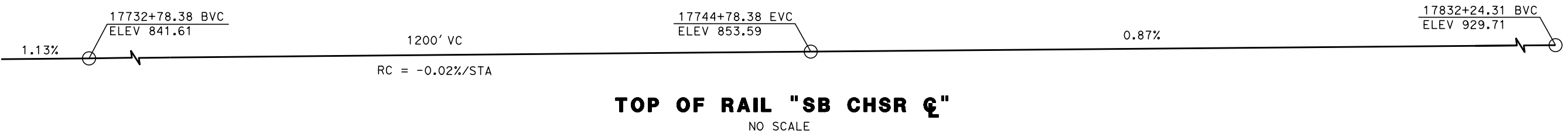
**NOT FOR**  
**CONSTRUCTION**



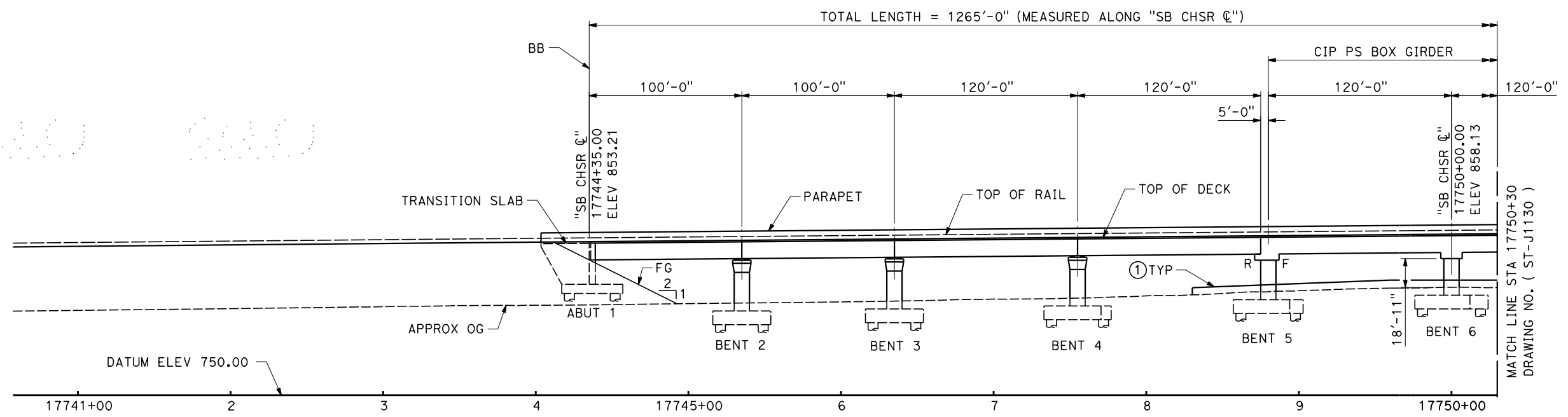
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
TOWERLINE ROAD UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1128  
SCALE  
AS SHOWN  
SHEET NO.  
144

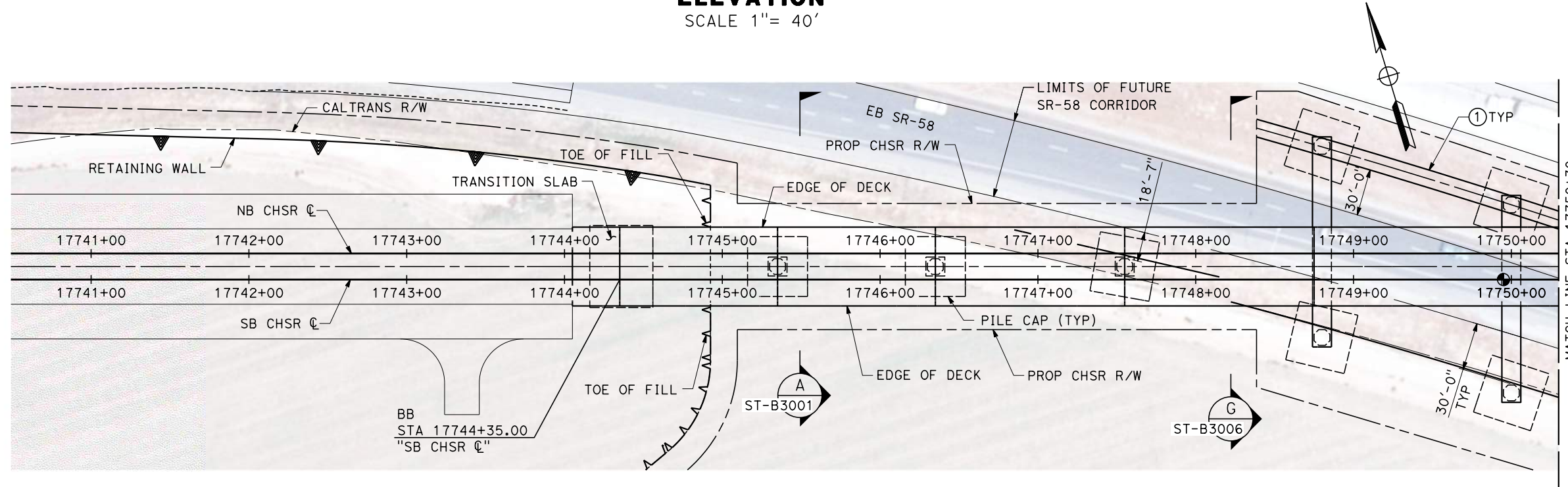




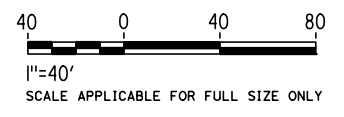
**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1129 1/20/2021 5:11:24 AM jcs\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

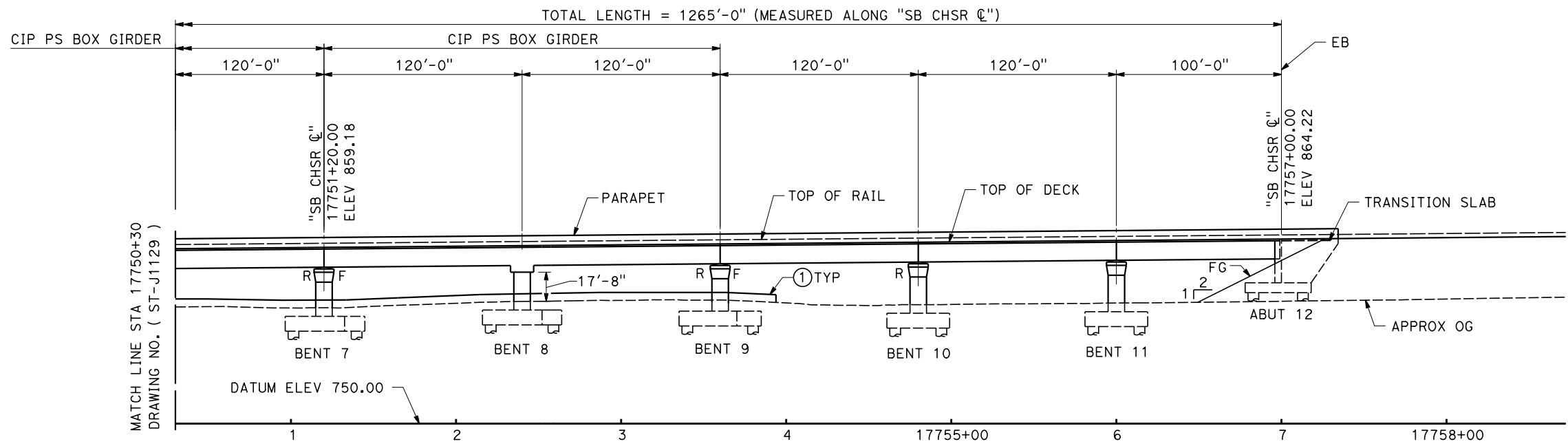
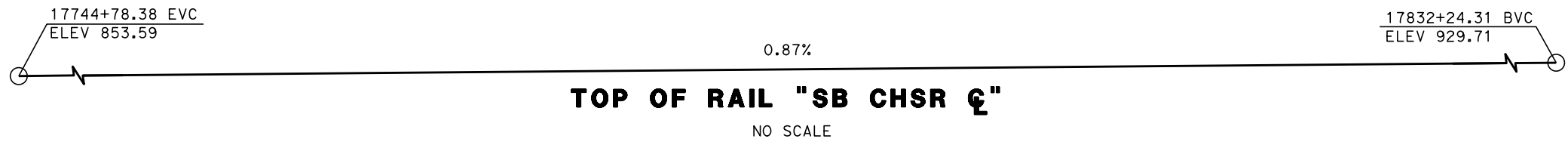
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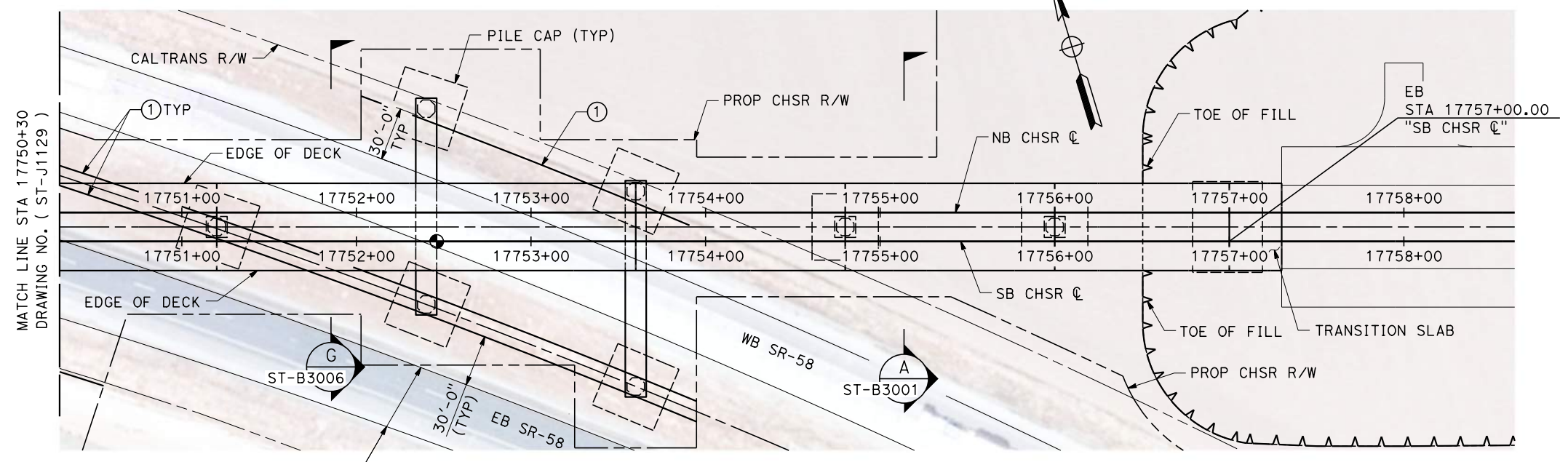
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
SR 58 VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1129  
SCALE  
AS SHOWN  
SHEET NO.  
145

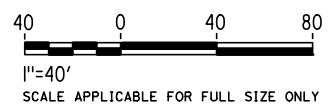
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1/20/2021 5:22:52 AM  
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVE 2  
TRACK STRUCTURES  
SR 58 VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44

DRAWING NO.  
ST-J1130

SCALE  
AS SHOWN

SHEET NO.  
146

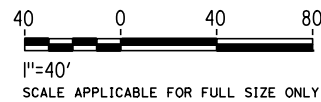
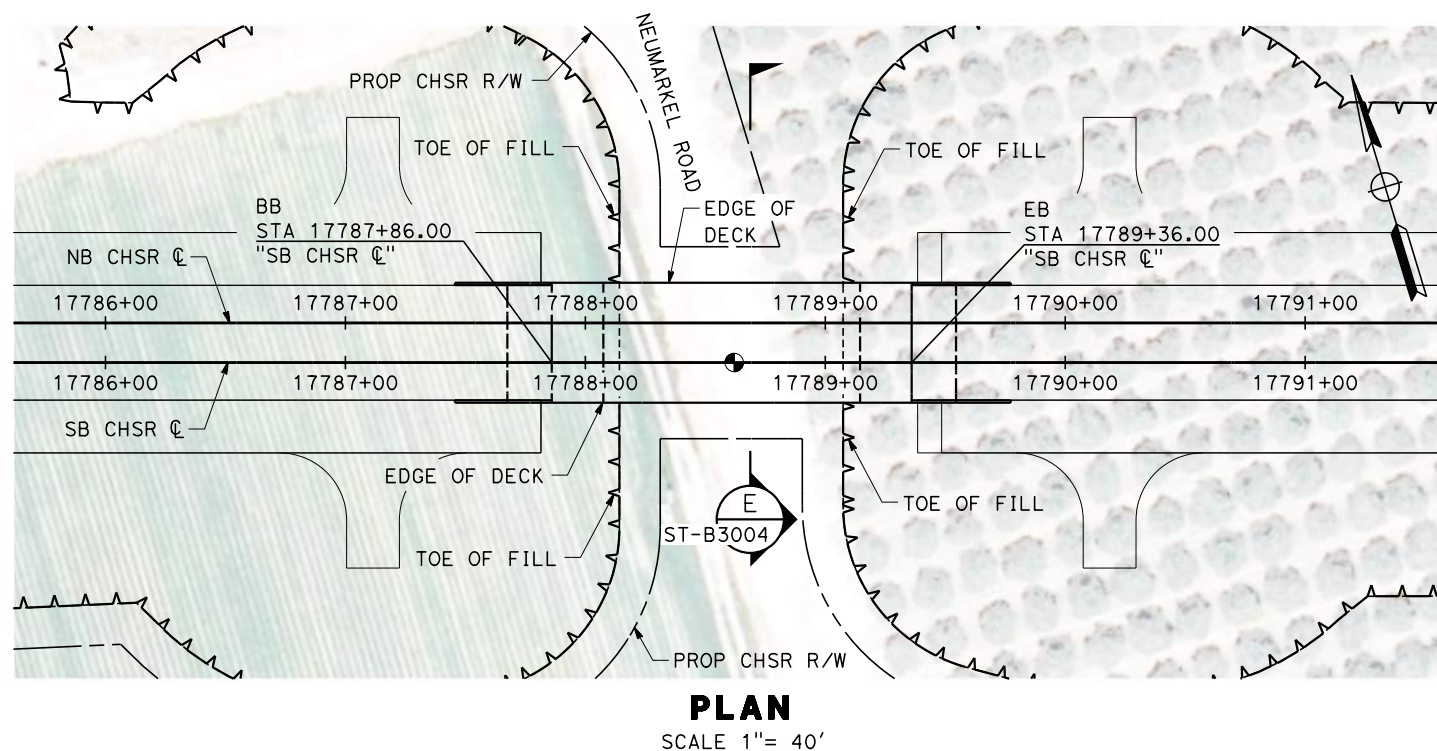
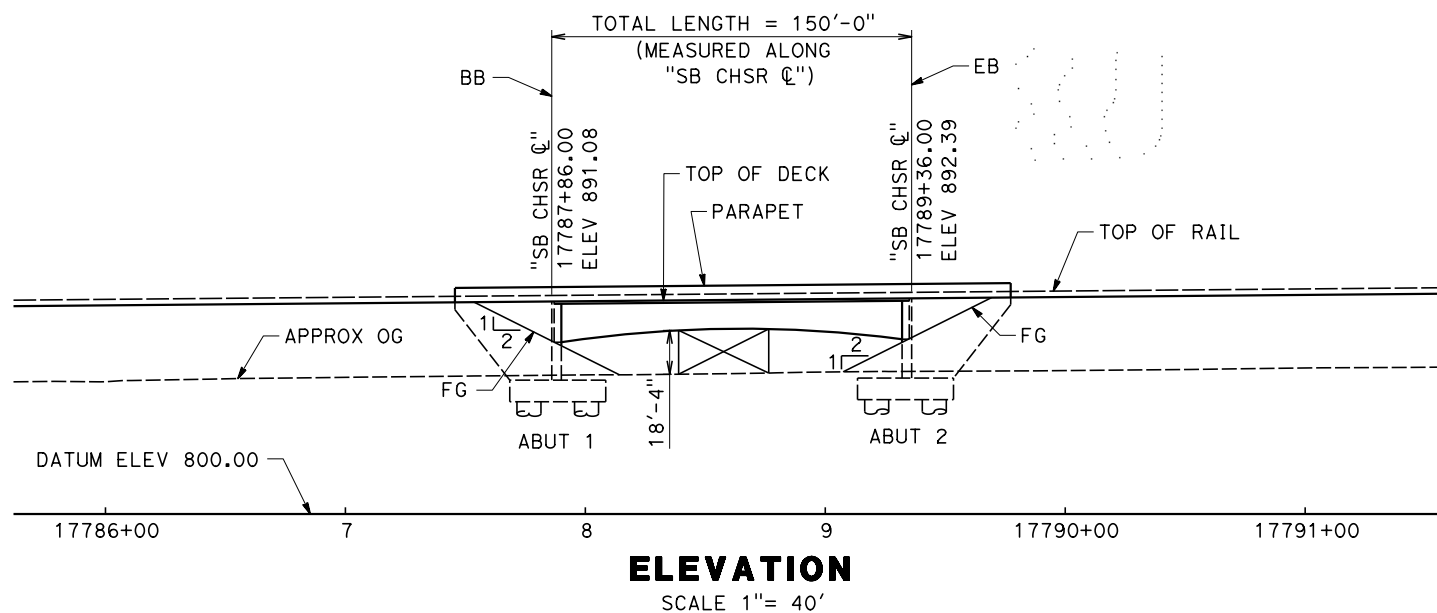


17744+78.38 EVC  
ELEV 853.59

0.87%

17832+24.31 BVC  
ELEV 929.71

**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE



Projects\701206\_00\_CHSRBP\_00\_CADD\Sheet\_Files\ST\BP-ST-J1131  
5:08:05 AM  
1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVE 2  
TRACK STRUCTURES  
NEUMARKEL ROAD UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1131

SCALE  
AS SHOWN

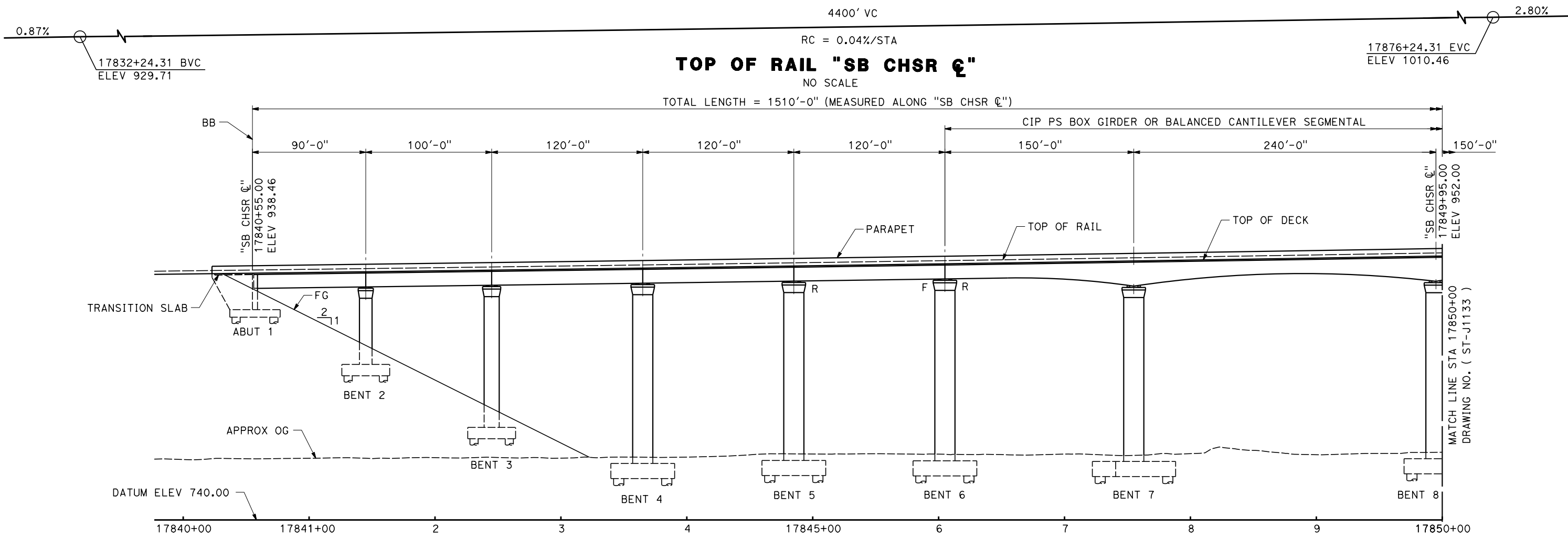
SHEET NO.  
147

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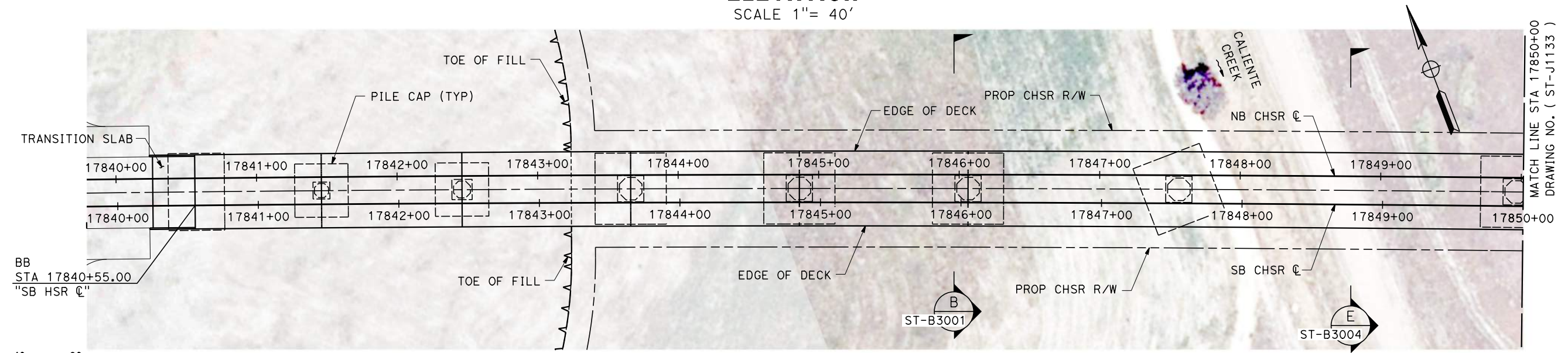
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1/20/2021

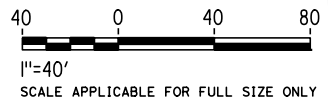
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

IN CHARGE  
**G. CAMPBELL**

DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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

ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17840+55 TO 17855+65  
PLAN AND ELEVATION

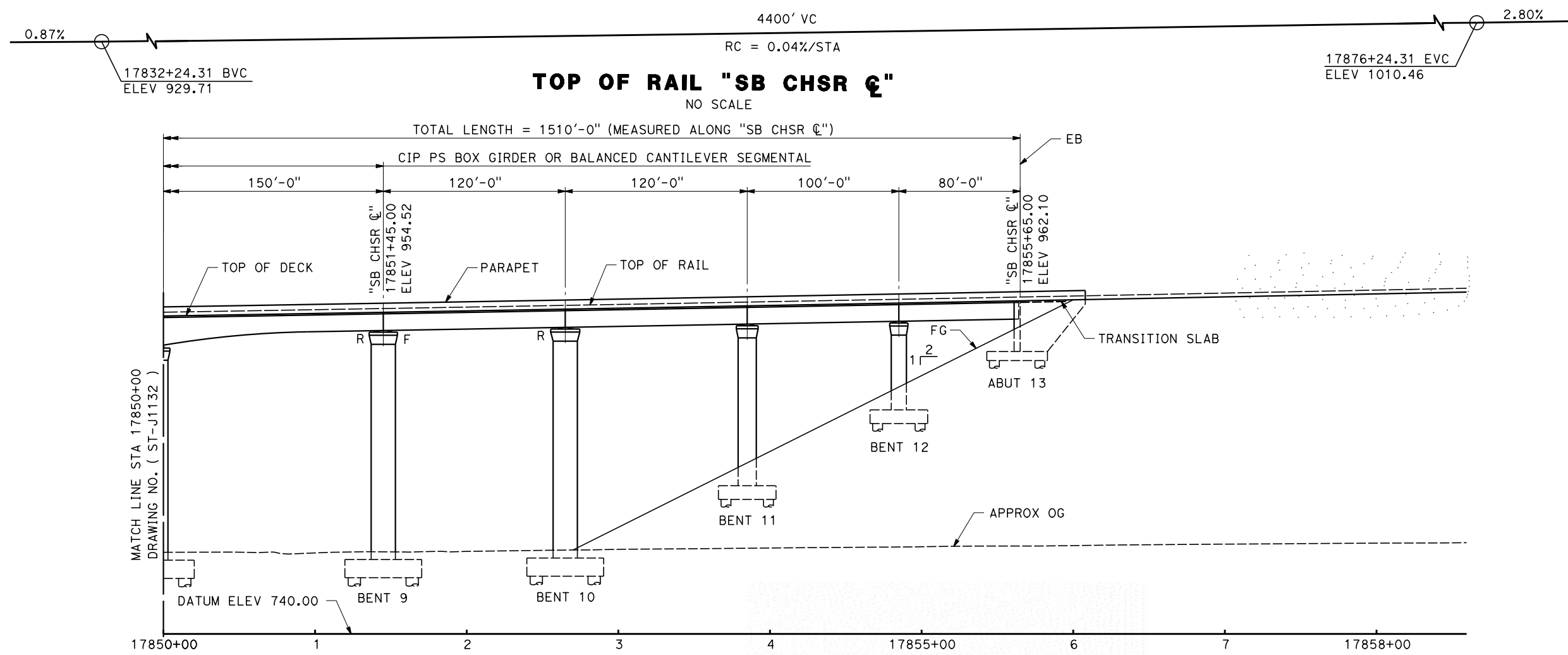
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ST-J1132

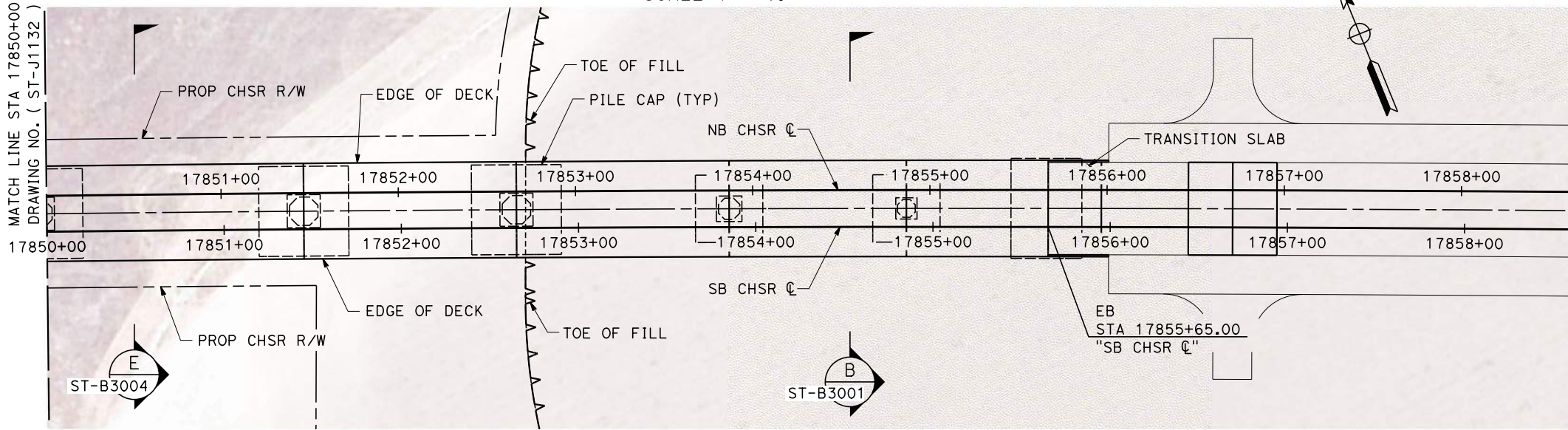
SCALE  
AS SHOWN

SHEET NO.  
148

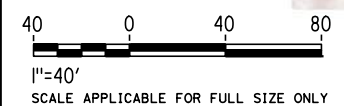




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1133  
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1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

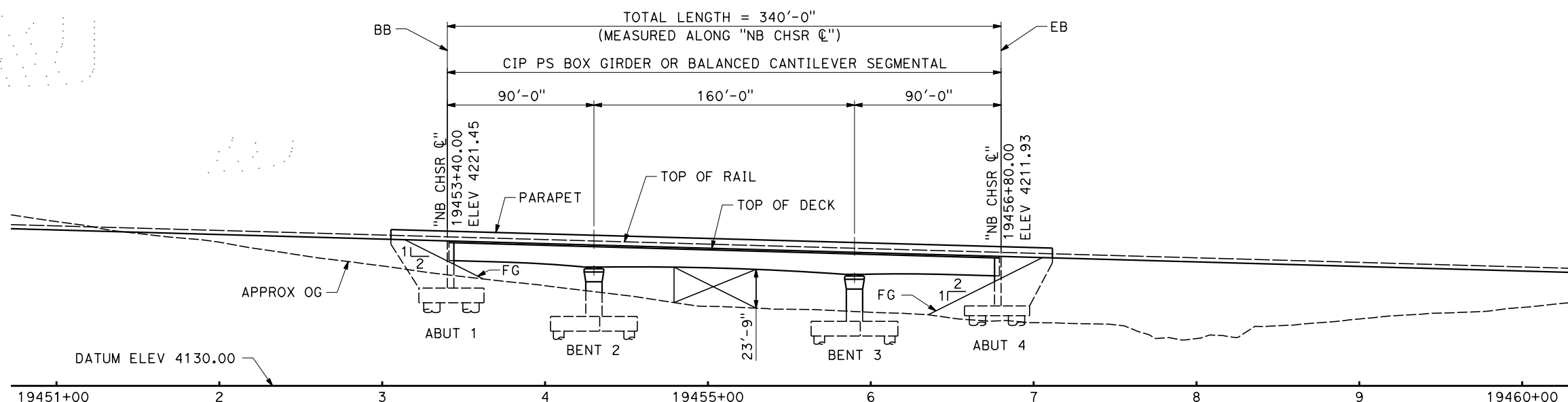
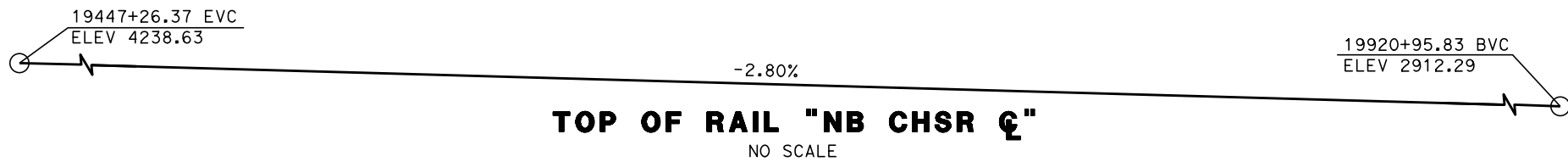
DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

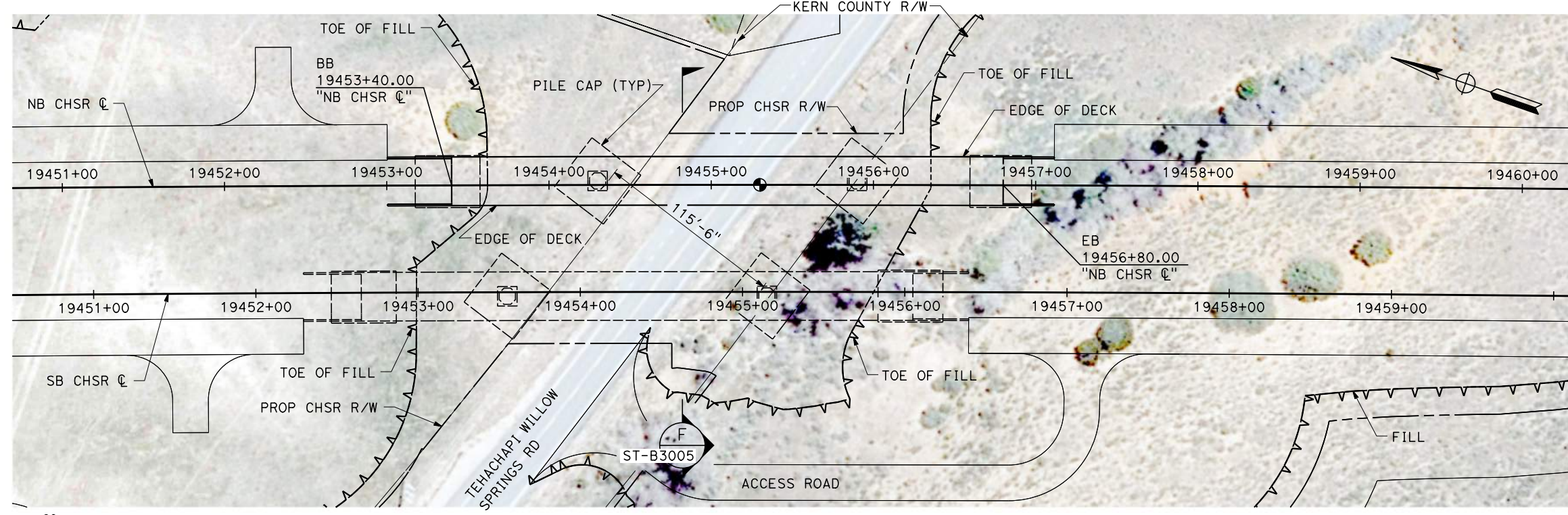


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 2  
TRACK STRUCTURES  
VIADUCT STATION 17840+55 TO 17855+65  
PLAN AND ELEVATION

CONTRACT NO.  
HSR 13-44  
DRAWING NO.  
ST-J1133  
SCALE  
AS SHOWN  
SHEET NO.  
149



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1134  
1/20/2021 5:12:31 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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  
TRACK STRUCTURES  
TEHACHAPI WILLOW SPRINGS ROAD NORTH UNDERPASS-4  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1134  
SCALE  
AS SHOWN  
SHEET NO.  
150

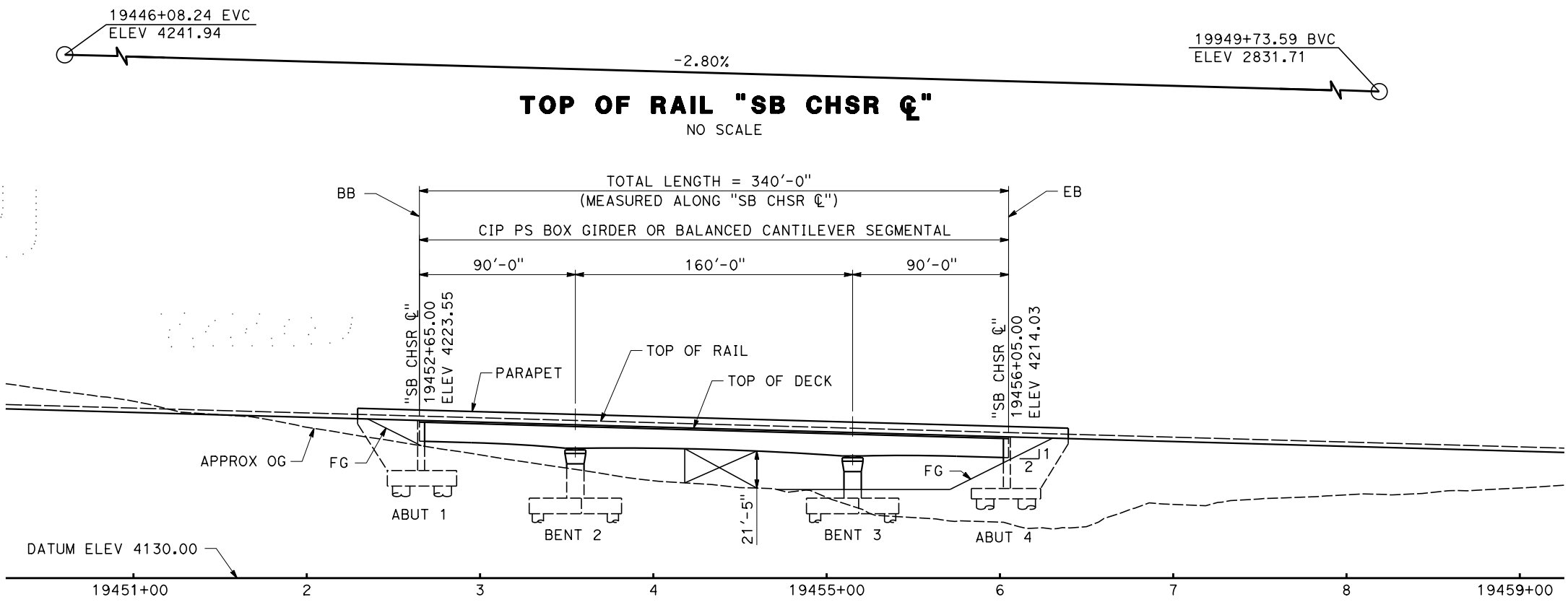


Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1135

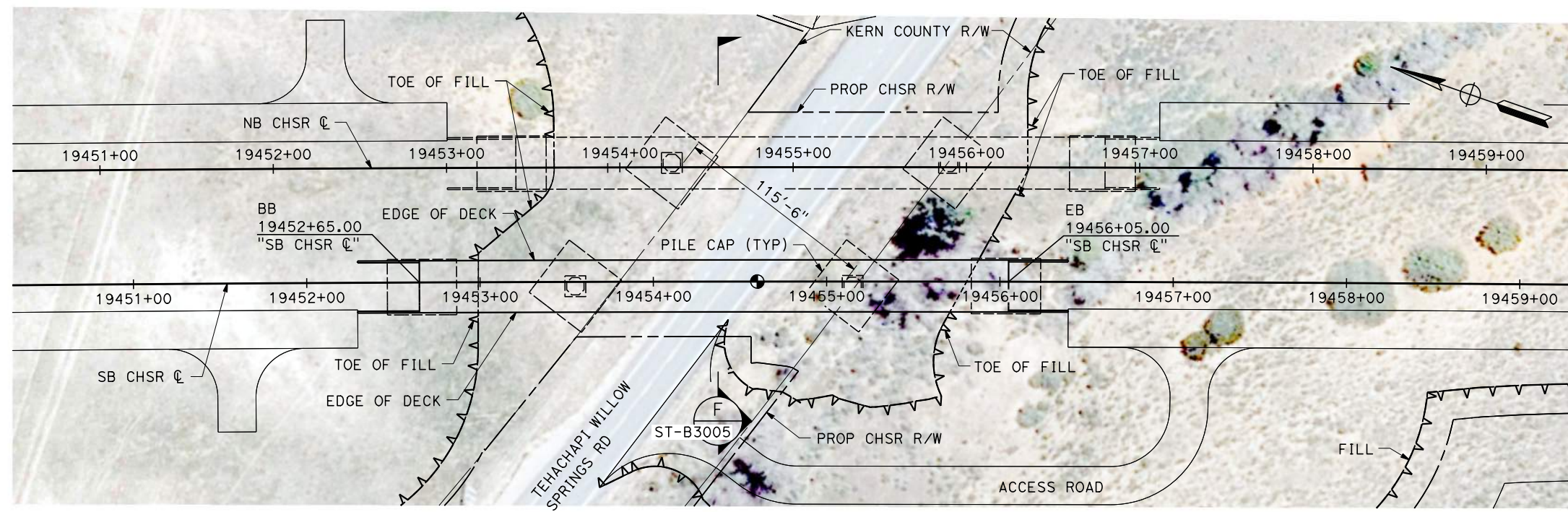
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1/20/2021

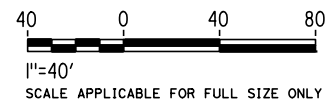
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

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  
TRACK STRUCTURES  
TEHACHAPI WILLOW SPRINGS ROAD SOUTH UNDERPASS-4  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1135

SCALE  
AS SHOWN

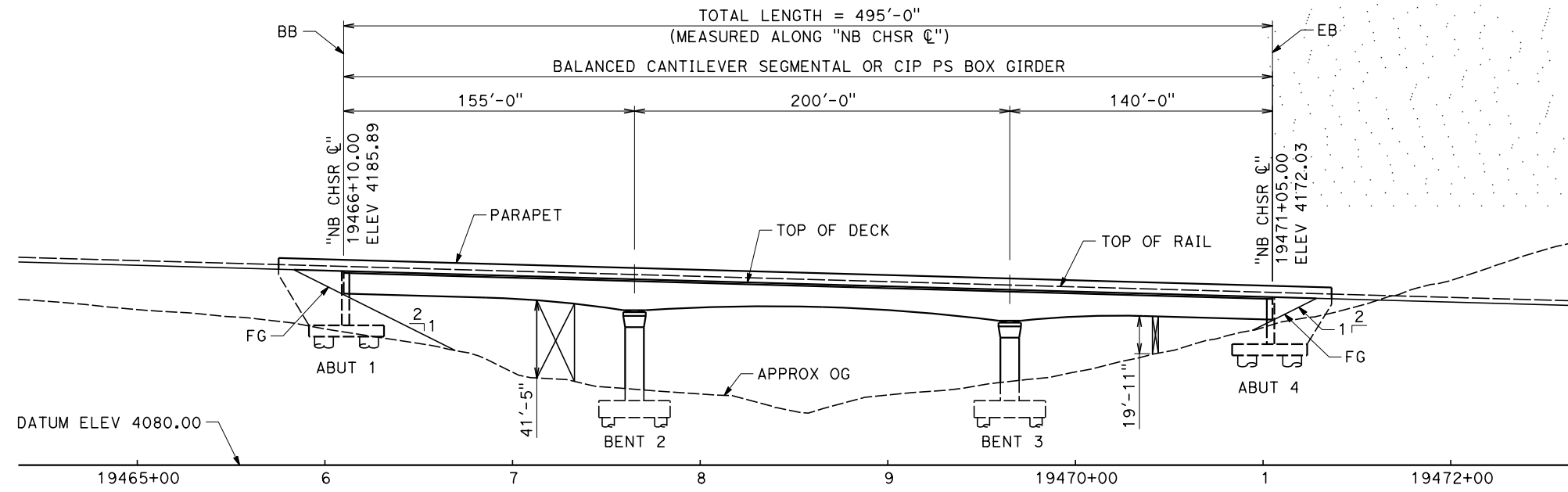
SHEET NO.  
151

19920+95.83 BVC  
Elev 2912.29

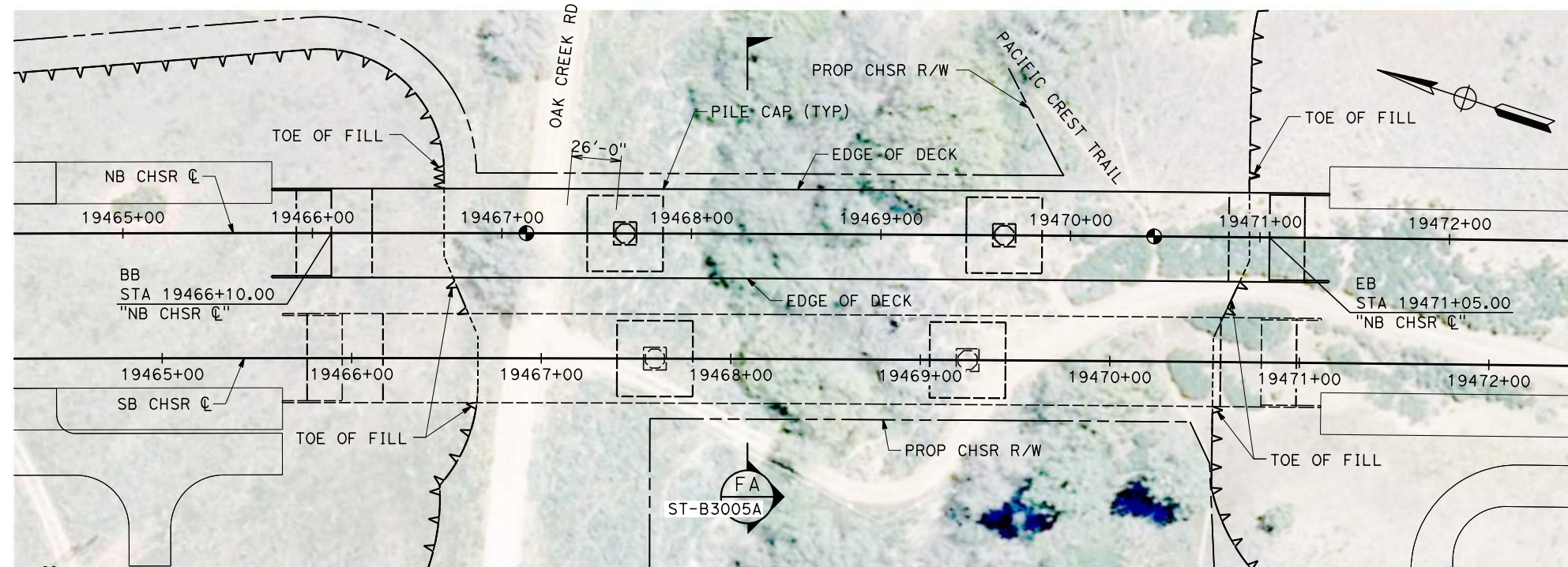
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19447+26.37 EVC  
Elev 4238.63

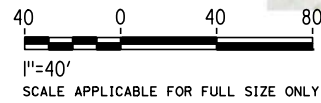
**TOP OF RAIL "NB CHSR ☐"**  
NO SCALE



**ELEVATION**  
SCALE 1"= 40'



**PLAN**  
SCALE 1"= 40'

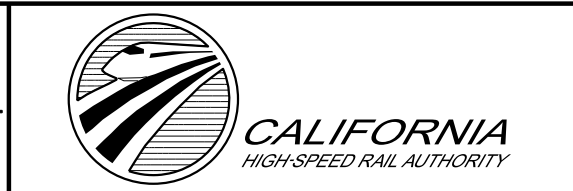


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1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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  
TRACK STRUCTURES  
PACIFIC CREST TRAIL NORTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1136  
SCALE  
AS SHOWN  
SHEET NO.  
152

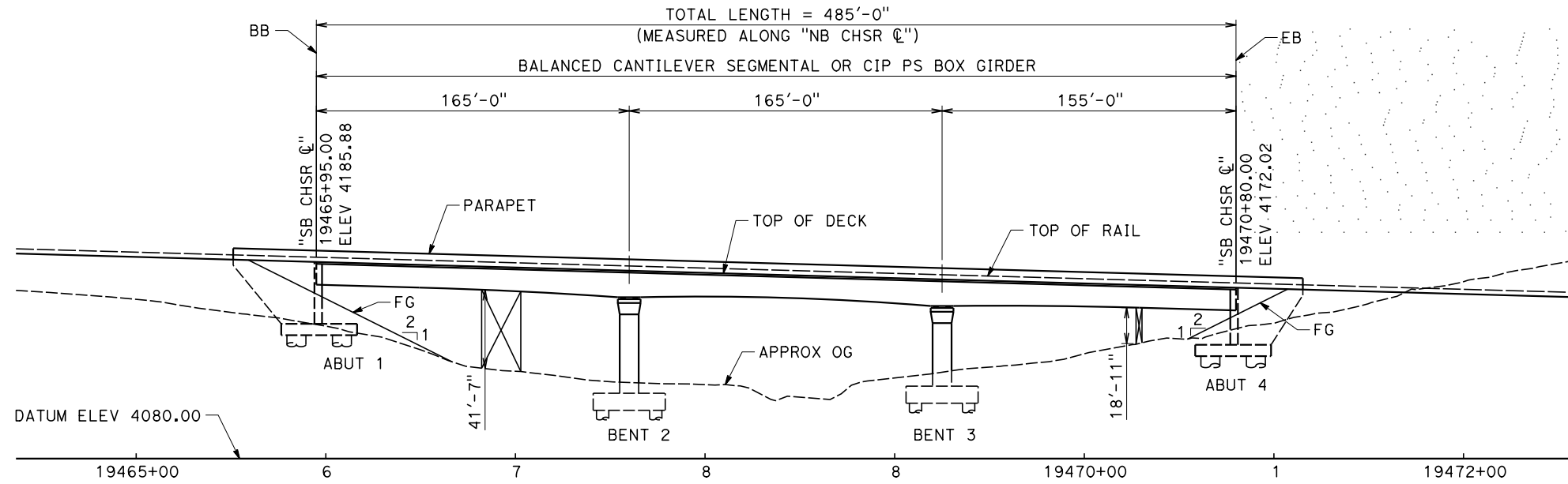


19949+73.59 BVC  
ELEV 2831.71

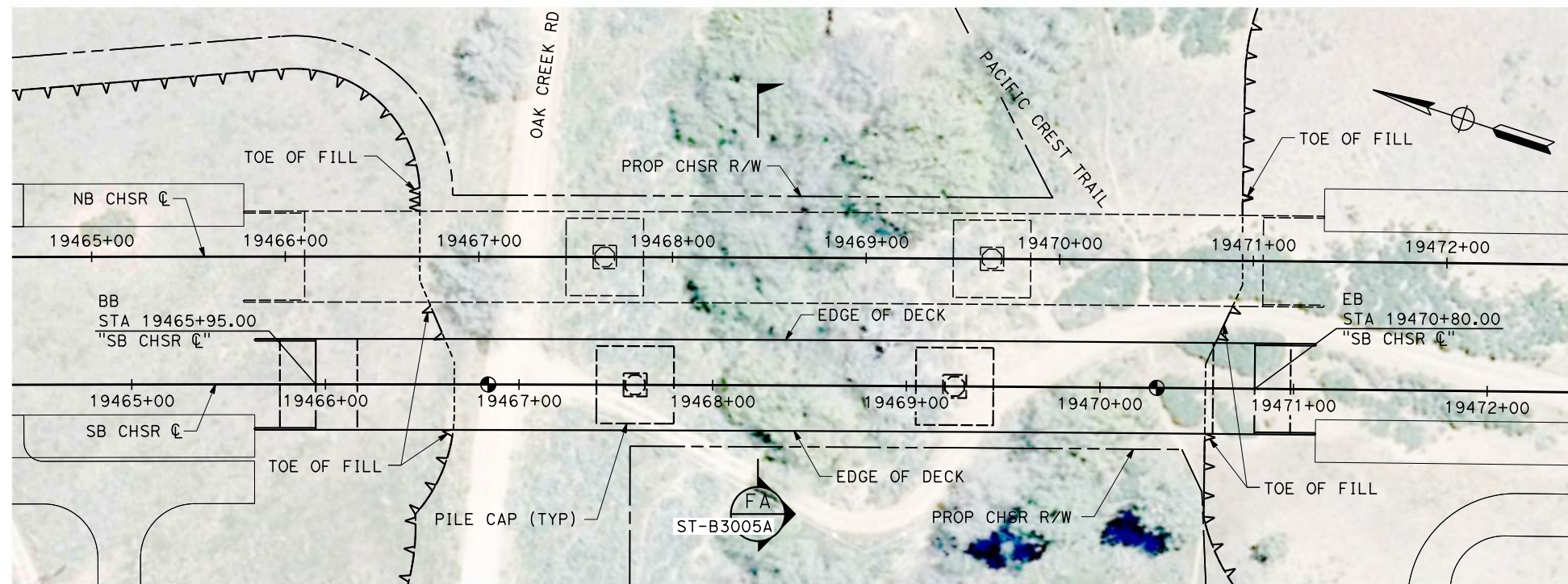
-2.80%

19446+08.24 EVC  
ELEV 4241.94

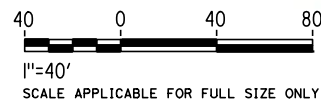
**TOP OF RAIL "SB CHSR ☐"**  
NO SCALE



**ELEVATION**  
SCALE 1"= 40'



**PLAN**  
SCALE 1"= 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1137

1/20/2021 5:11:57 AM

ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

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  
TRACK STRUCTURES  
PACIFIC CREST TRAIL SOUTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1137

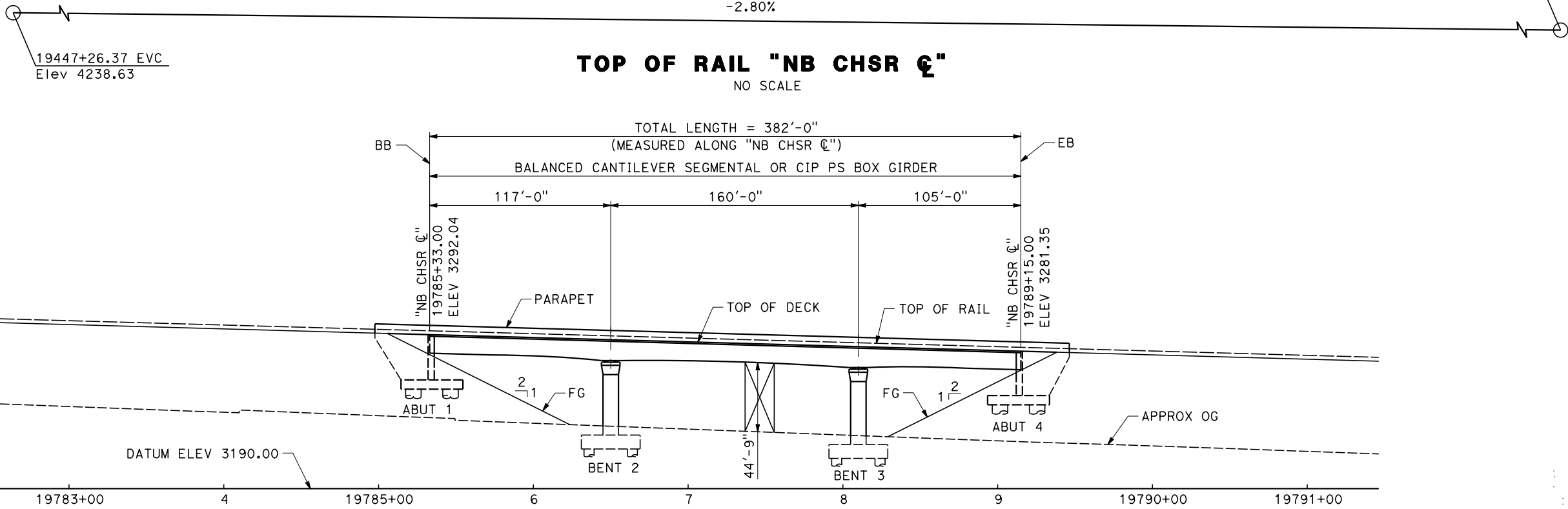
SCALE  
AS SHOWN

SHEET NO.  
153



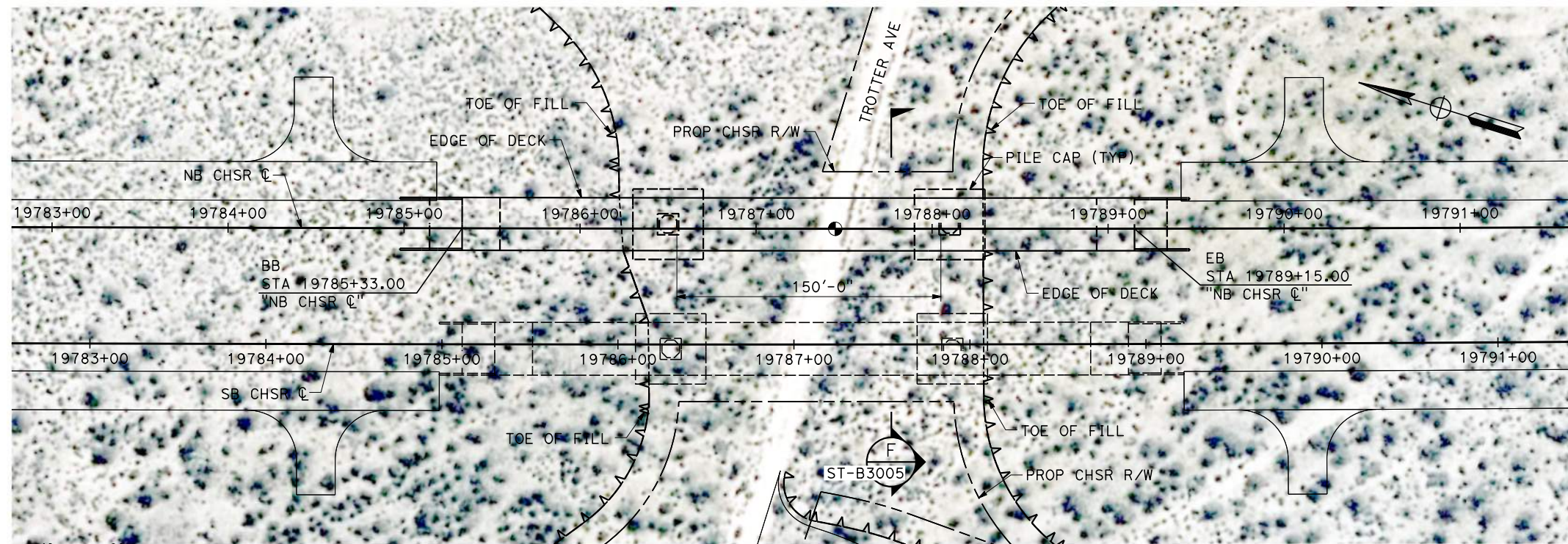
19901+50.00 BVC  
ELEV 2958.85

-2.80%



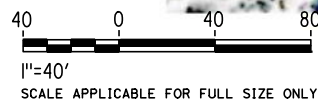
**ELEVATION**

SCALE 1"= 40'



**PLAN**

SCALE 1"= 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1138  
5:12:46 AM  
1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

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  
TROTTER AVENUE NORTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

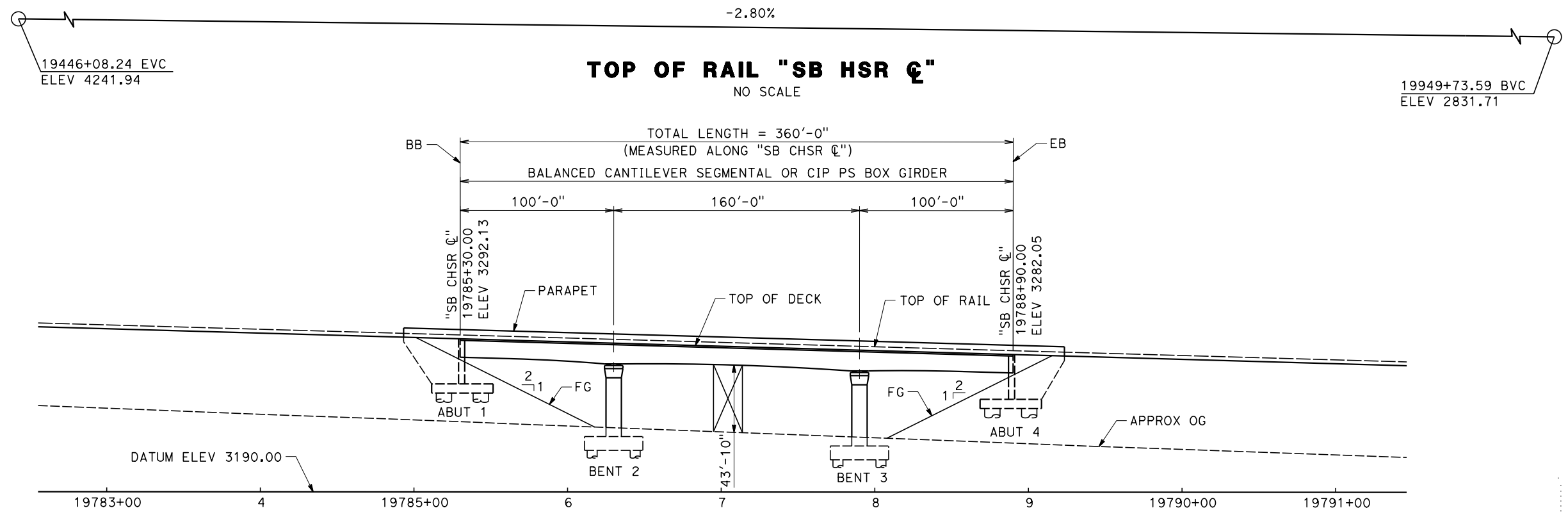
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ST-J1138

SCALE  
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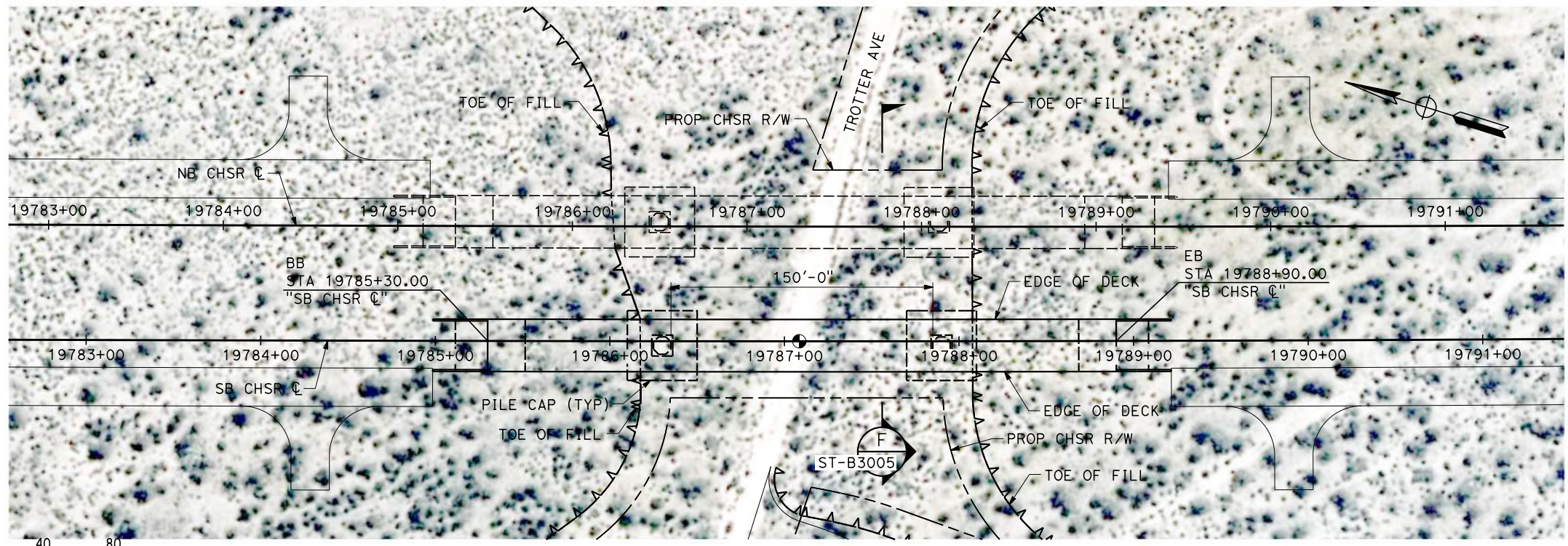
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154



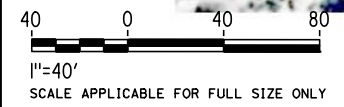
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1/20/2021  
ics\_user\_17609



**ELEVATION**  
SCALE 1"= 40'



**PLAN**  
SCALE 1"= 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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  
TROTTER AVENUE SOUTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1139  
SCALE  
AS SHOWN  
SHEET NO.  
155



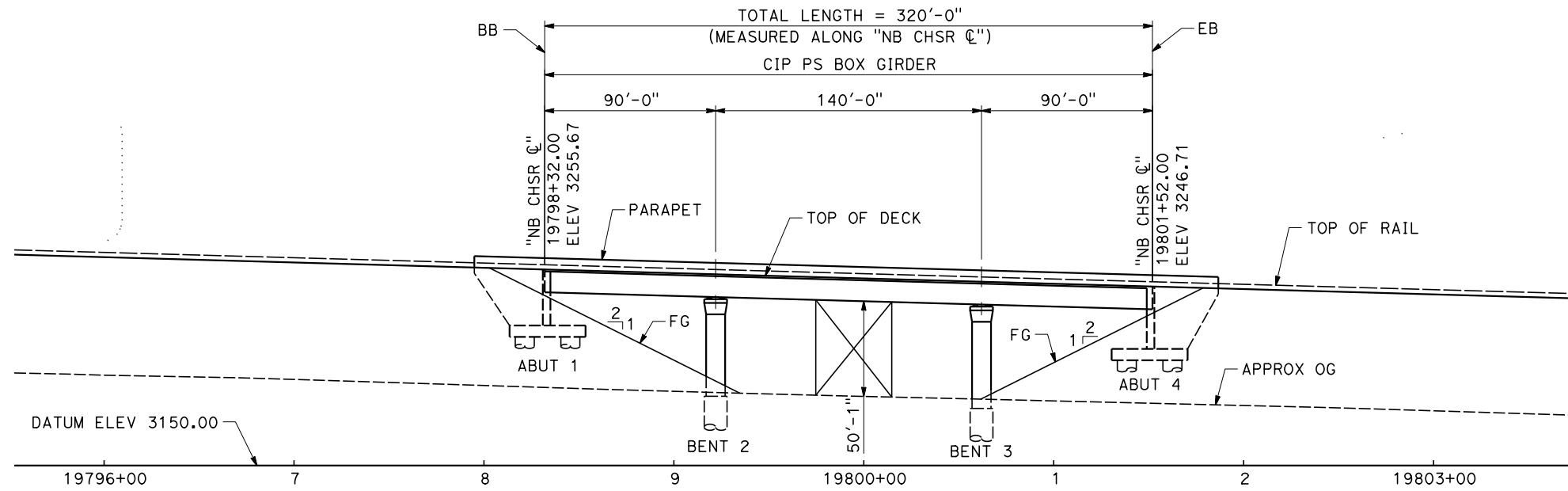
19920+92.83 BVC  
Elev 2912.29

-2.80%

19447+26.37 EVC  
Elev 4238.63

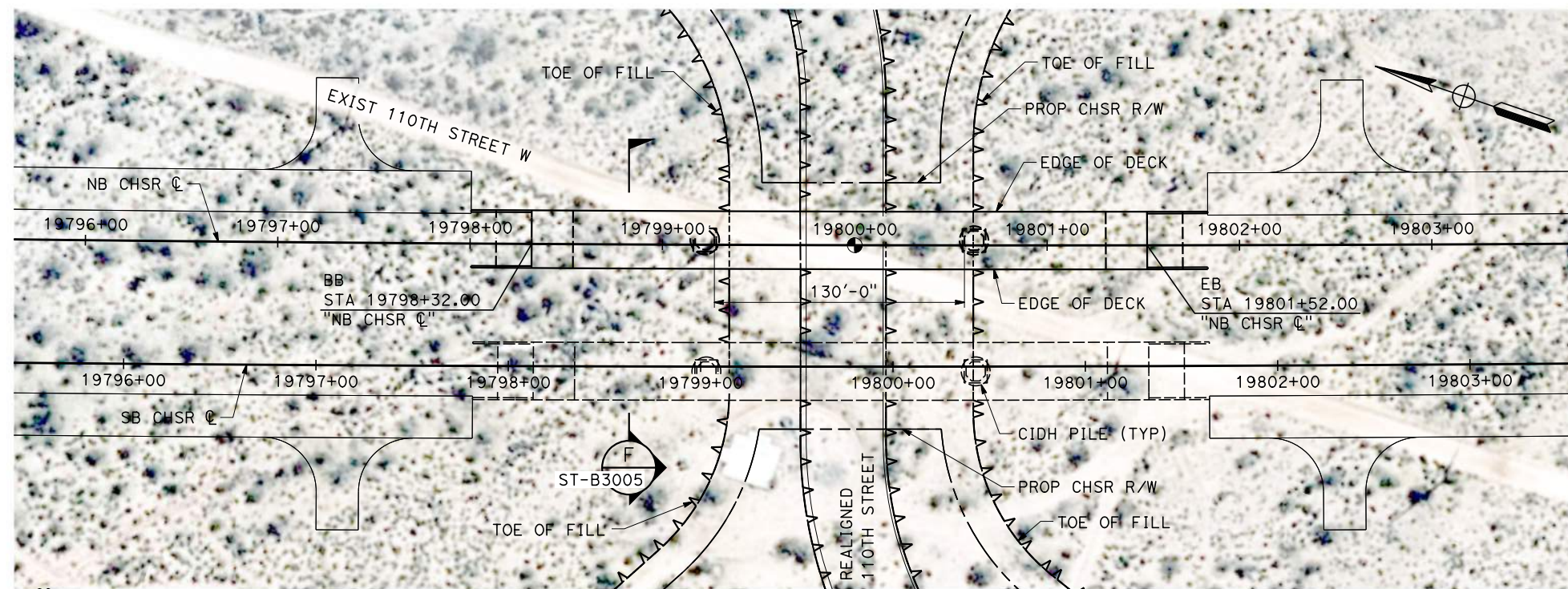
**TOP OF RAIL "NB CHSR ☉"**

NO SCALE



**ELEVATION**

SCALE 1"= 40'



**PLAN**

SCALE 1"= 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1140  
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1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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  
TRACK STRUCTURES  
110TH STREET NORTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1140  
SCALE  
AS SHOWN  
SHEET NO.  
156



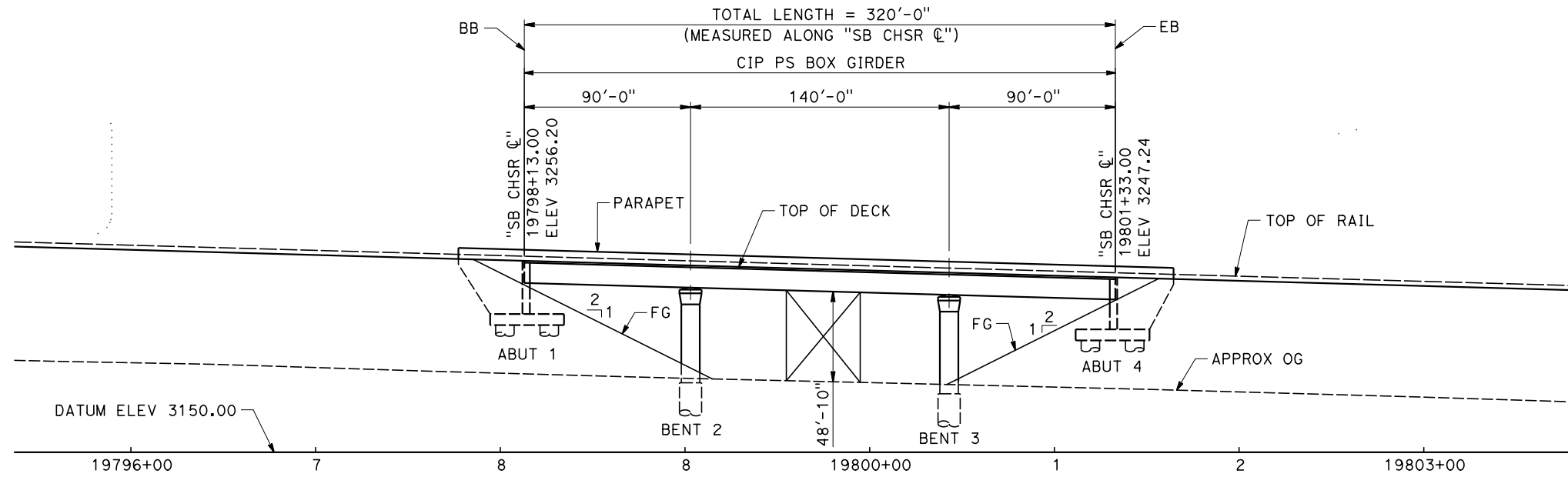
19949+73.59 BVC  
ELEV 2831.71

-2.80%

19446+08.24 EVC  
ELEV 4241.94

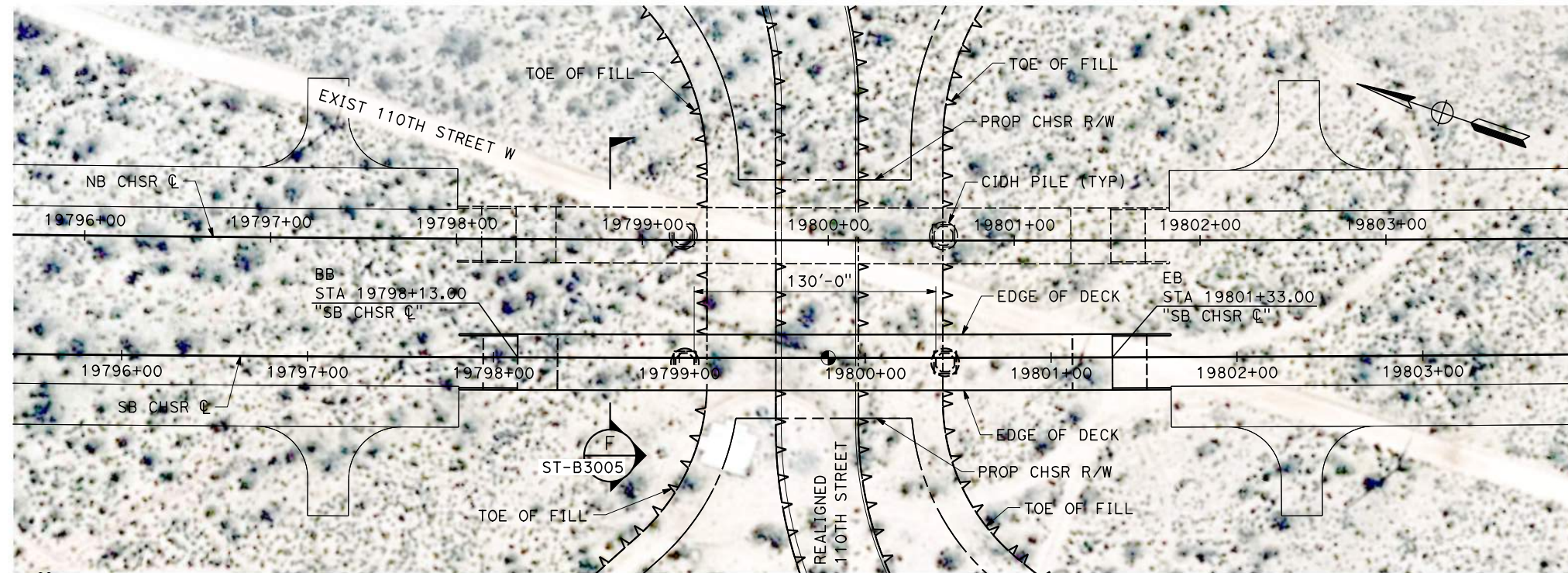
**TOP OF RAIL "SB CHSR ☉"**

NO SCALE



**ELEVATION**

SCALE 1"= 40'



**PLAN**

SCALE 1"= 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1141  
5:22:37 AM  
1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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  
TRACK STRUCTURES  
110TH STREET SOUTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1141  
SCALE  
AS SHOWN  
SHEET NO.  
157



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1142

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1/20/2021

jcs\_user\_17609

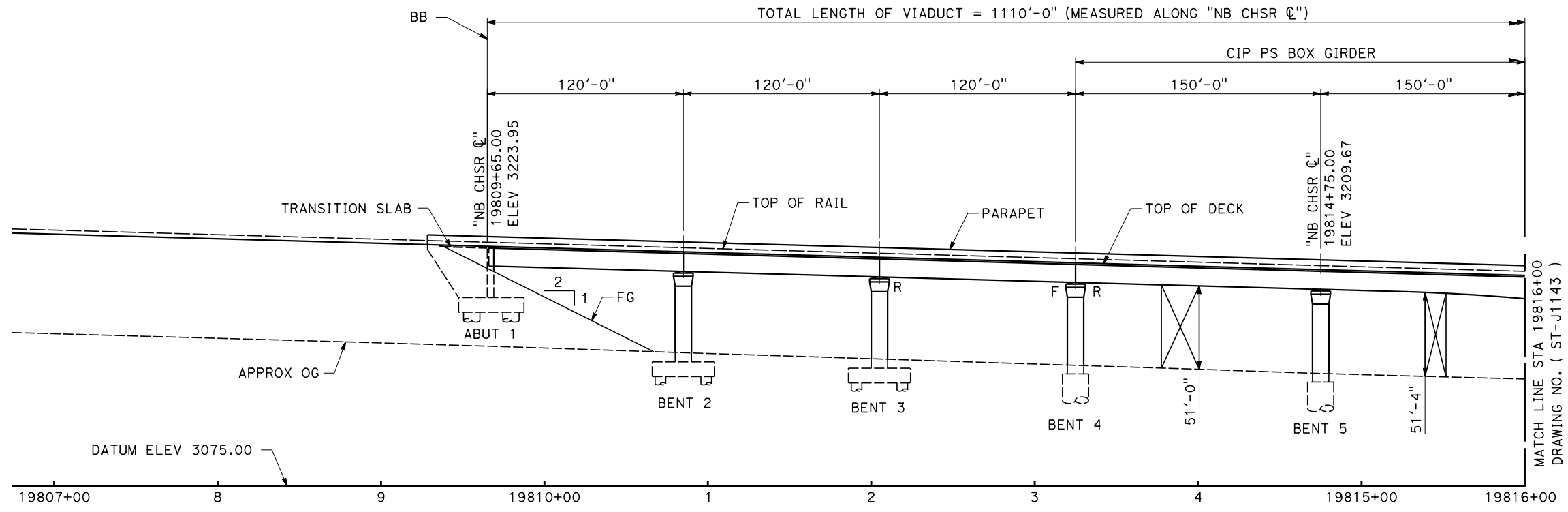
19447+26.37 EVC  
ELEV 4238.63

19920+95.83 BVC  
ELEV 2912.29

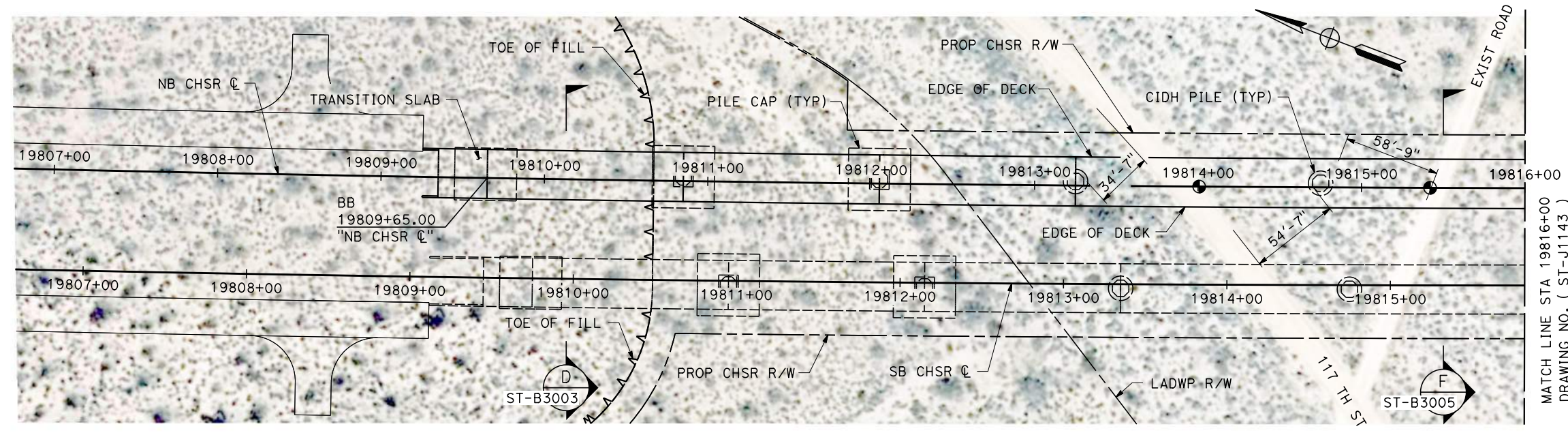
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### TOP OF RAIL "NB CHSR C"

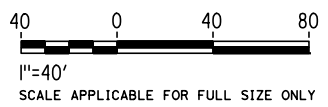
NO SCALE



MATCH LINE STA 19816+00  
DRAWING NO. ( ST-J1143 )



MATCH LINE STA 19816+00  
DRAWING NO. ( ST-J1143 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

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  
TRACK STRUCTURES  
AQUEDUCT ROAD NORTH VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1142

SCALE  
AS SHOWN

SHEET NO.  
158

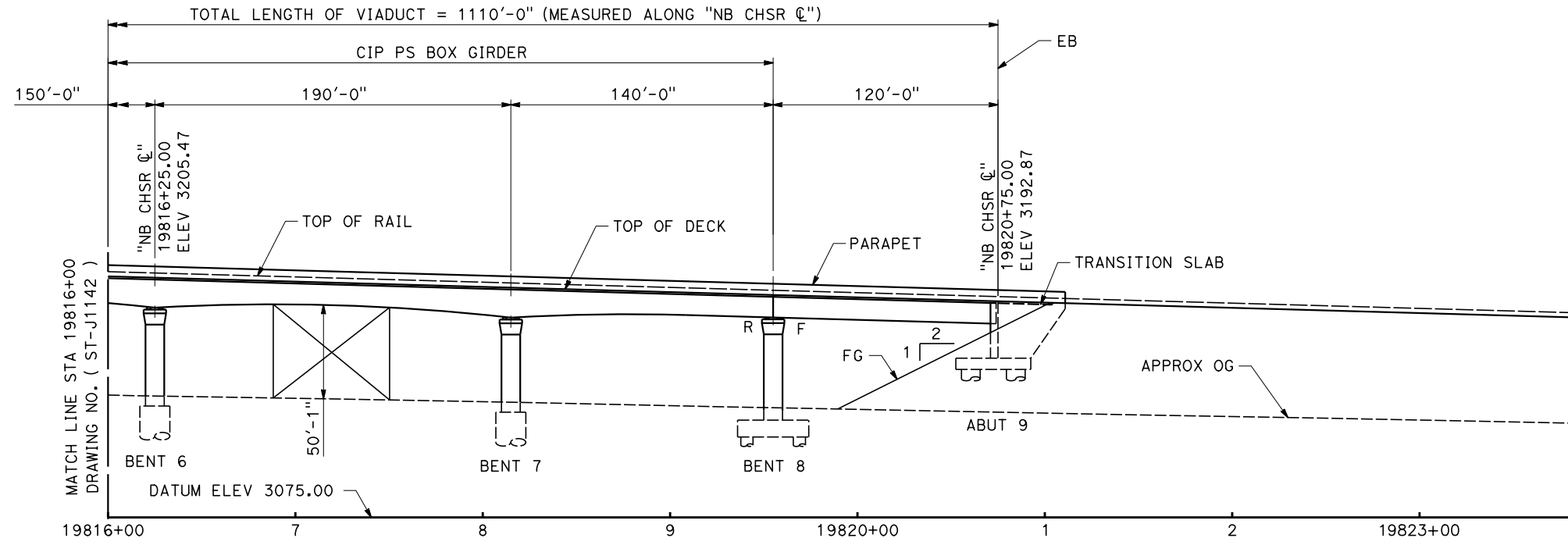
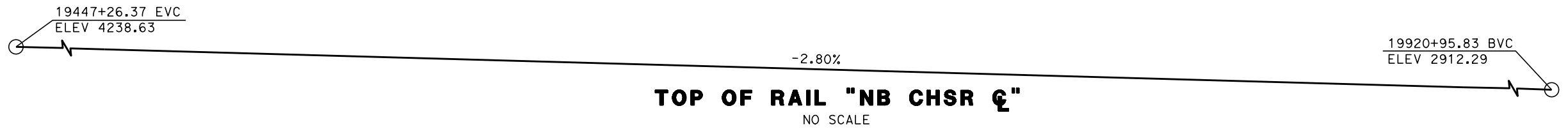


Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1143

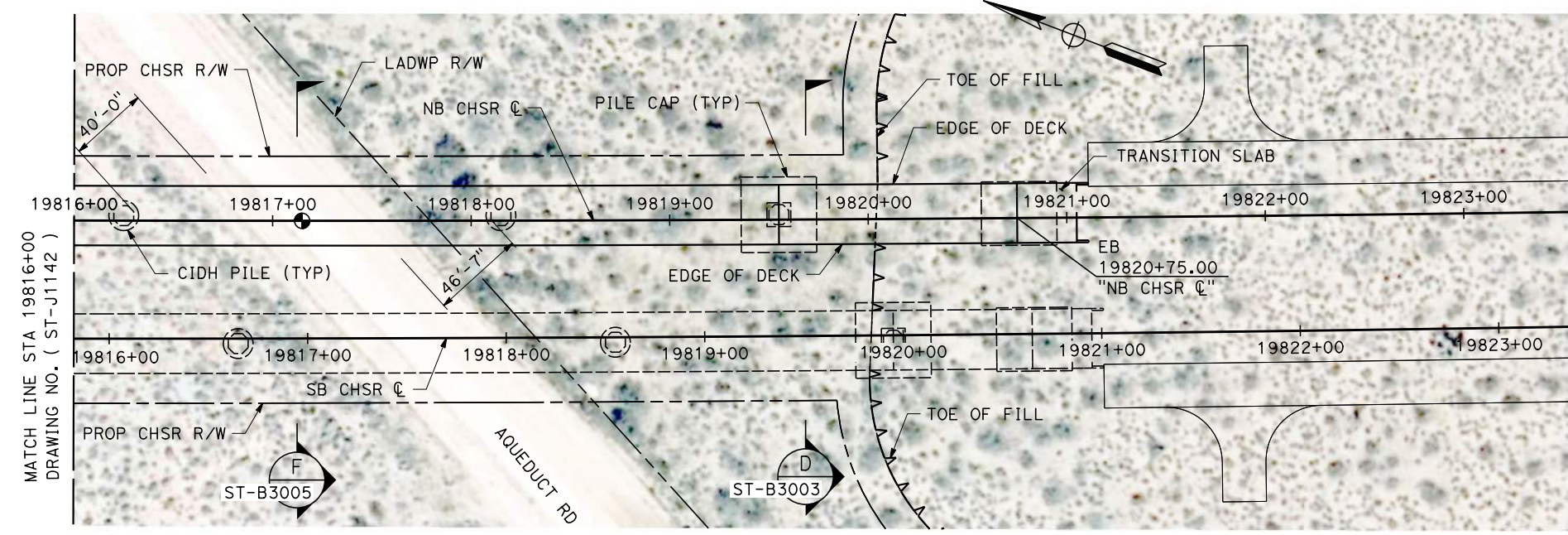
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1/20/2021

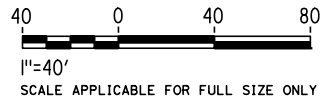
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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  
TRACK STRUCTURES  
AQUEDUCT ROAD NORTH VIADUCT  
PLAN AND ELEVATION

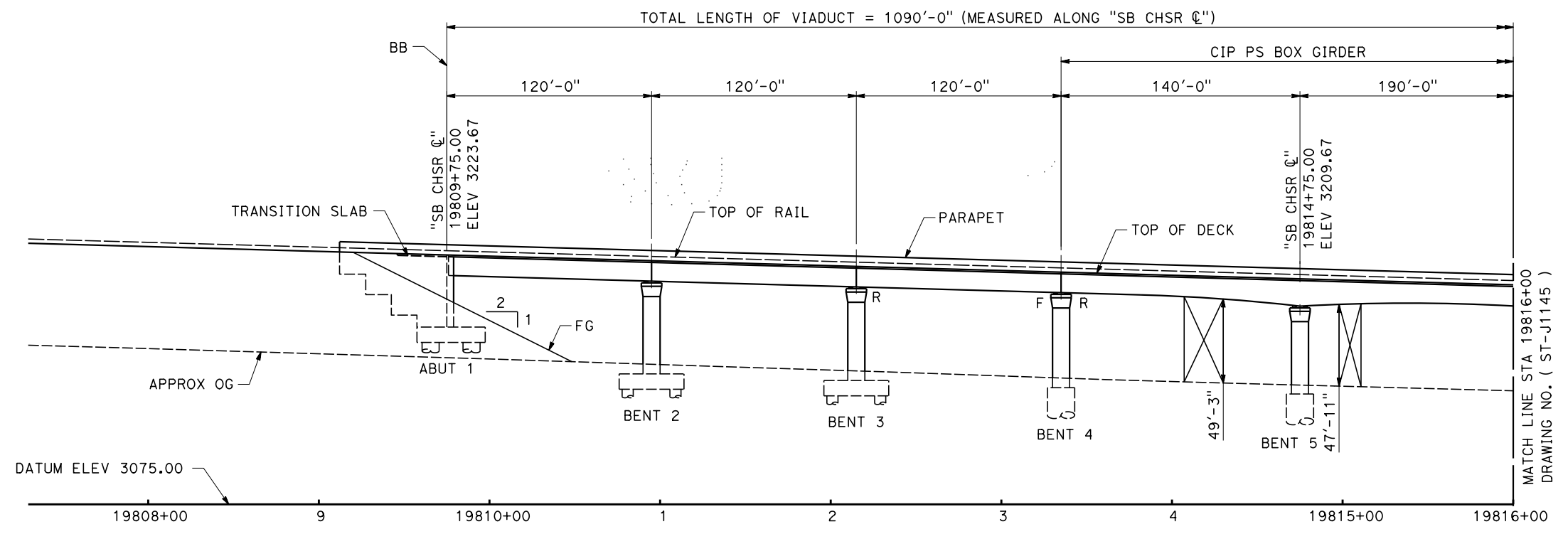
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DRAWING NO.  
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AS SHOWN  
SHEET NO.  
159

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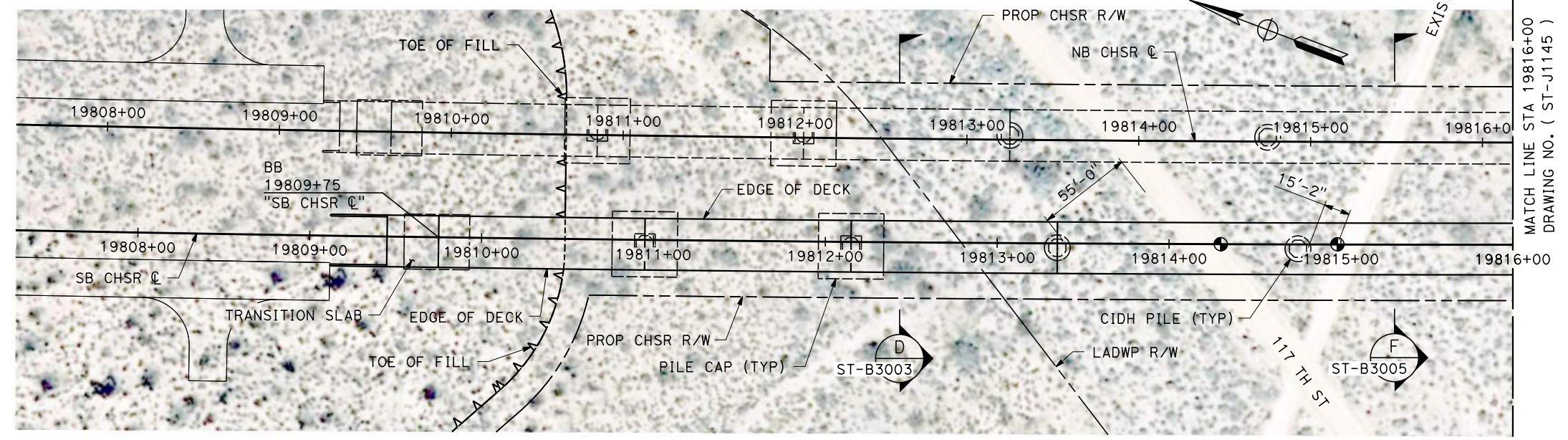
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1/20/2021

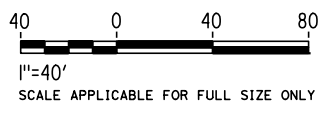
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

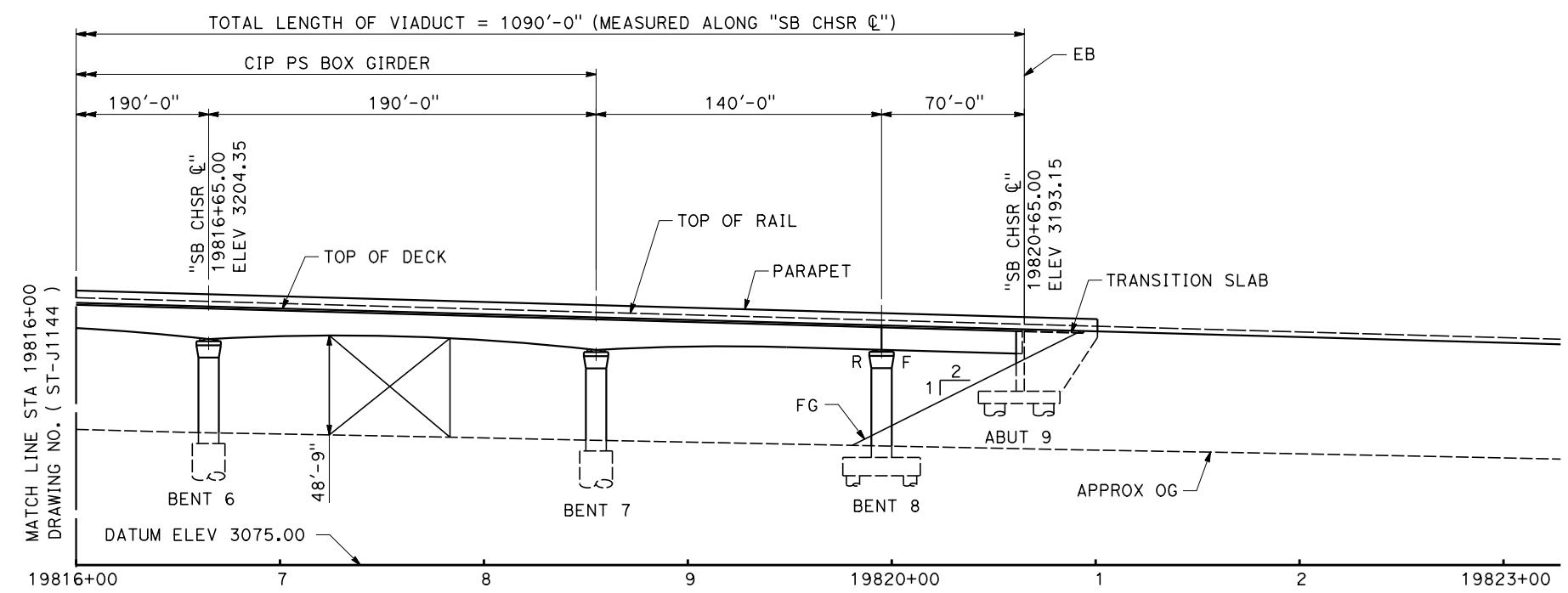
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**CONSTRUCTION**



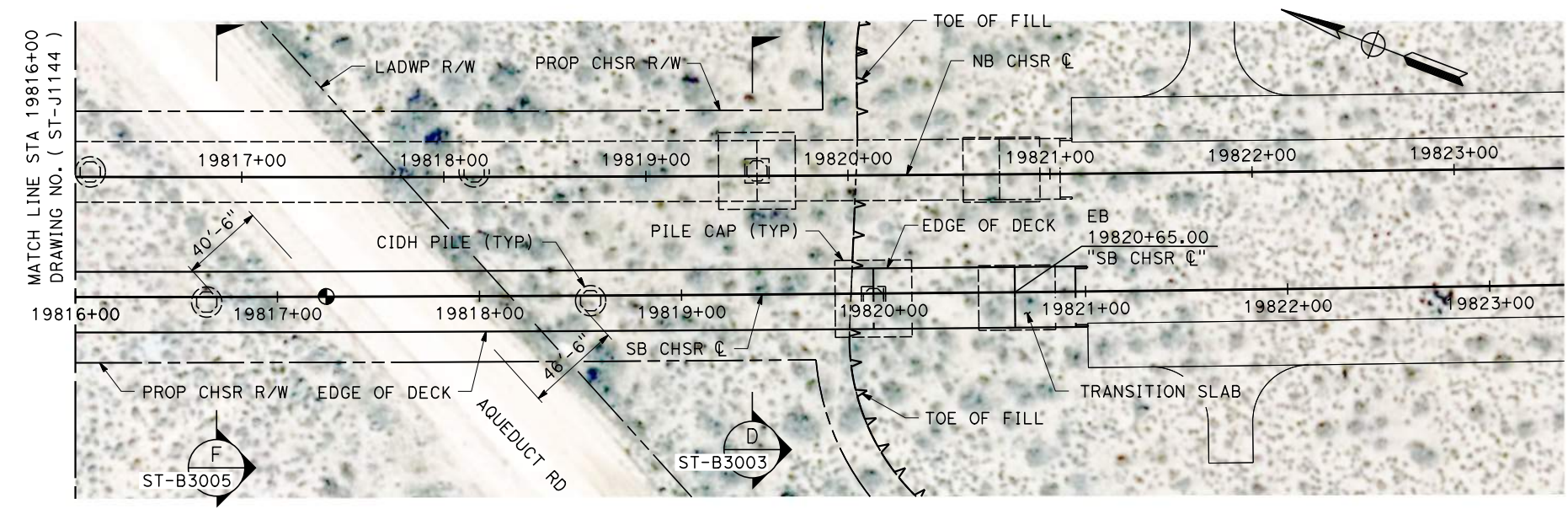
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 3  
TRACK STRUCTURES  
AQUEDUCT ROAD SOUTH VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1144  
SCALE  
AS SHOWN  
SHEET NO.  
160

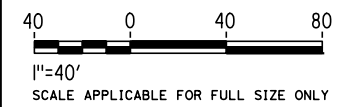




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1145

5:08:42 AM

1/20/2021

ics\_user\_17609

REV	DATE	BY	CHK	APP.	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

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  
TRACK STRUCTURES  
AQUEDUCT ROAD SOUTH VIADUCT  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1145

SCALE  
AS SHOWN

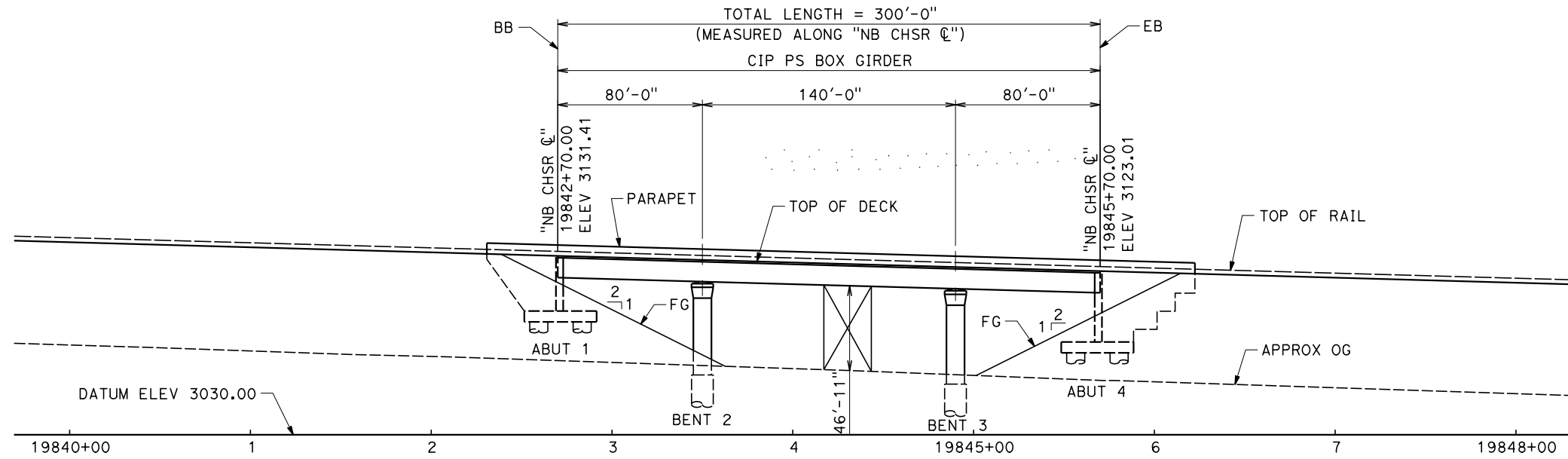
SHEET NO.  
161

19920+95.83 BVC  
Elev 2912.29

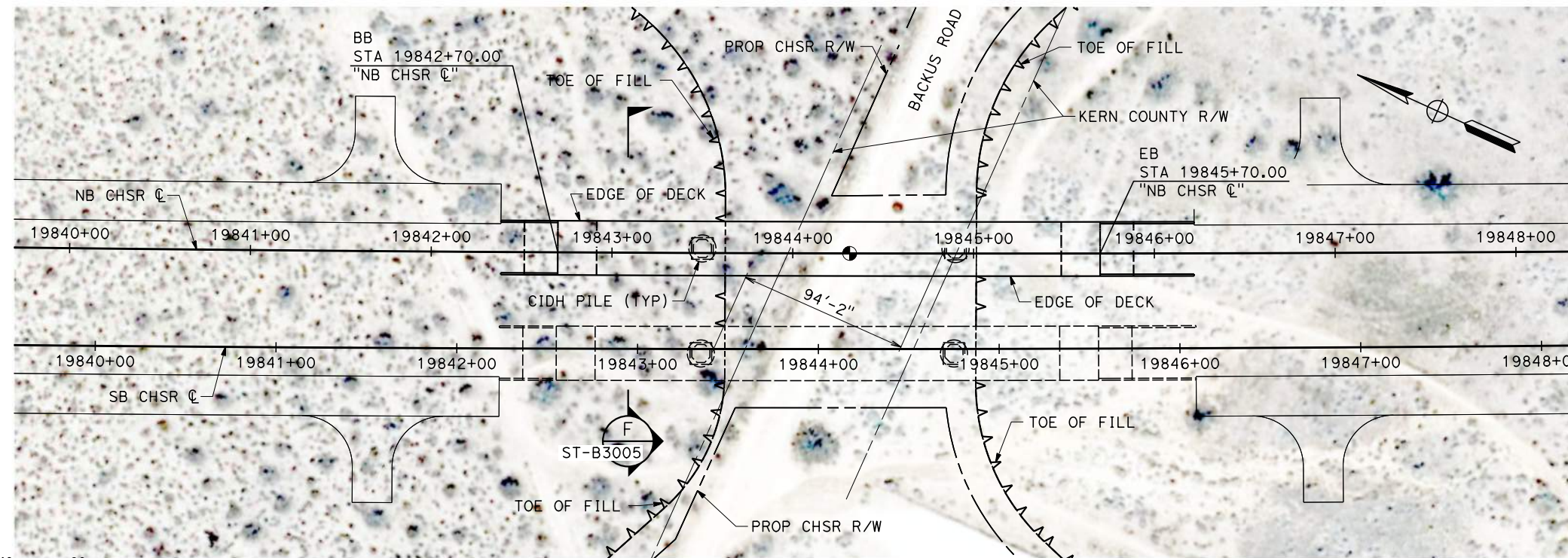
-2.80%

19447+26.37 EVC  
Elev 4238.63

**TOP OF RAIL "NB CHSR ☉"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

40 0 40 80  
1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1146  
1/20/2021 5:31:17 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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  
TRACK STRUCTURES  
BACKUS ROAD NORTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1146  
SCALE  
AS SHOWN  
SHEET NO.  
162



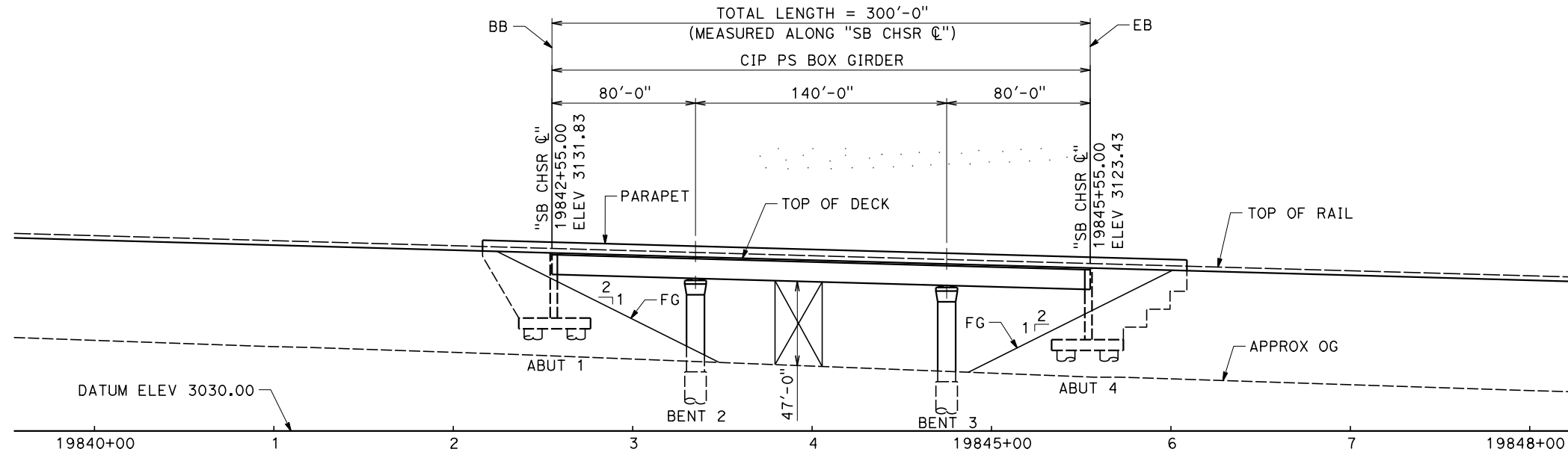
19949+73.59 BVC  
ELEV 2831.71

-2.80%

19446+08.24 EVC  
ELEV 4241.94

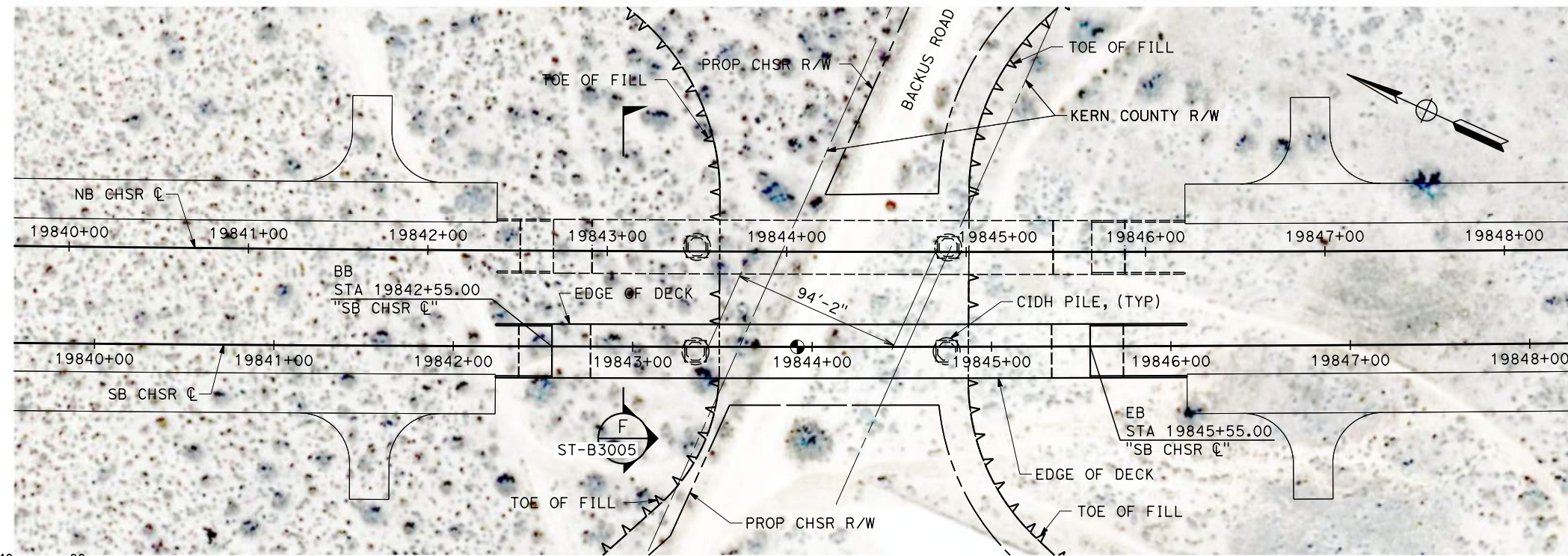
**TOP OF RAIL "SB CHSR ☉"**

NO SCALE



**ELEVATION**

SCALE 1"= 40'



**PLAN**

SCALE 1"= 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1147  
1/20/2021 5:13:36 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

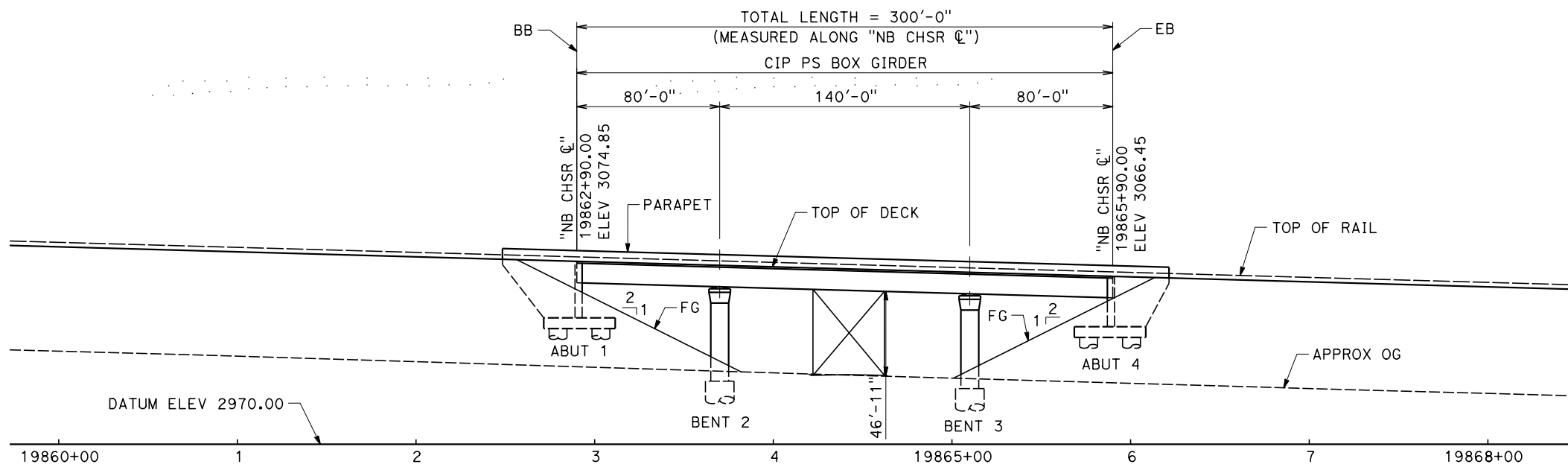
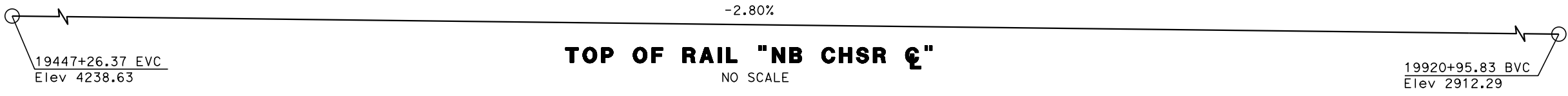
DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET**  
**PEPD**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

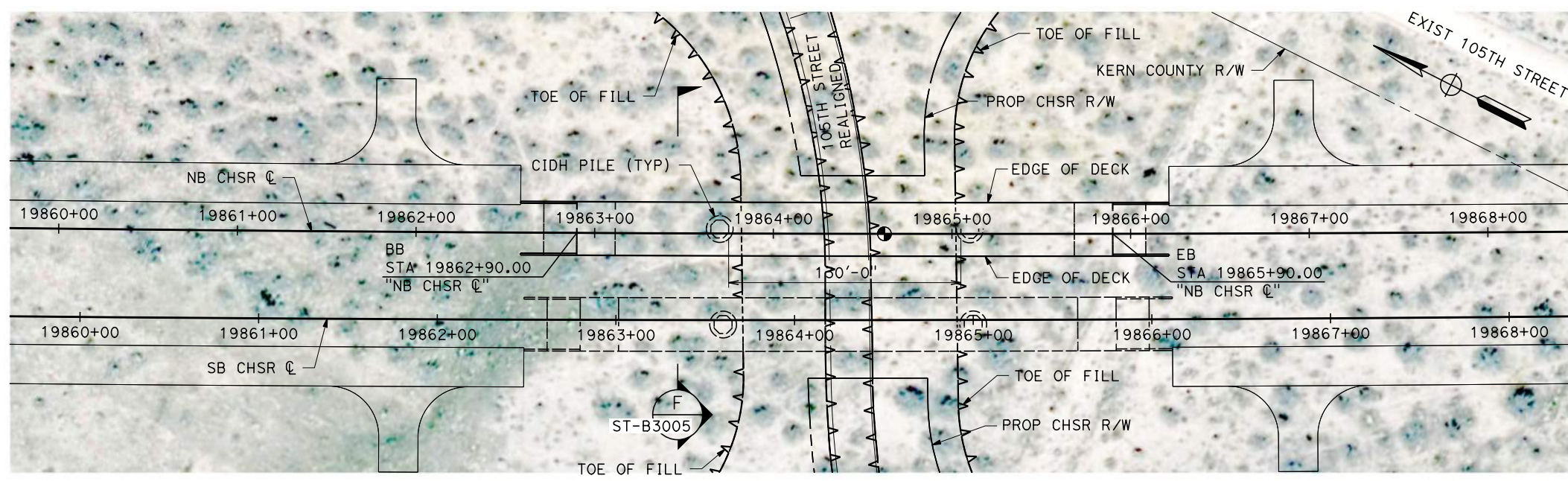


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
ALTERNATIVE 3  
TRACK STRUCTURES  
BACKUS ROAD SOUTH UNDERPASS  
PLAN AND ELEVATION

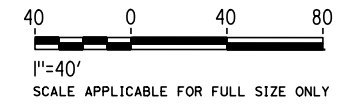
CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1147  
SCALE  
AS SHOWN  
SHEET NO.  
163



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1148  
5:23:50 AM  
1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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  
TRACK STRUCTURES  
105TH STREET NORTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1148  
SCALE  
AS SHOWN  
SHEET NO.  
164



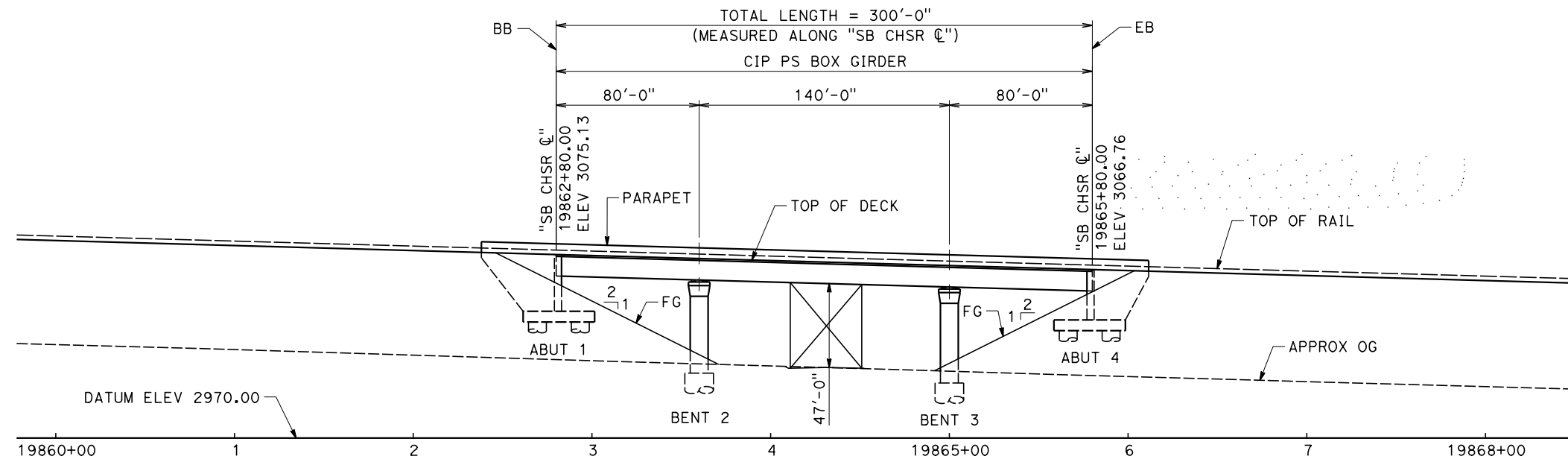
19446+08.24 EVC  
ELEV 4241.94

-2.80%

19949+73.59 BVC  
ELEV 2831.71

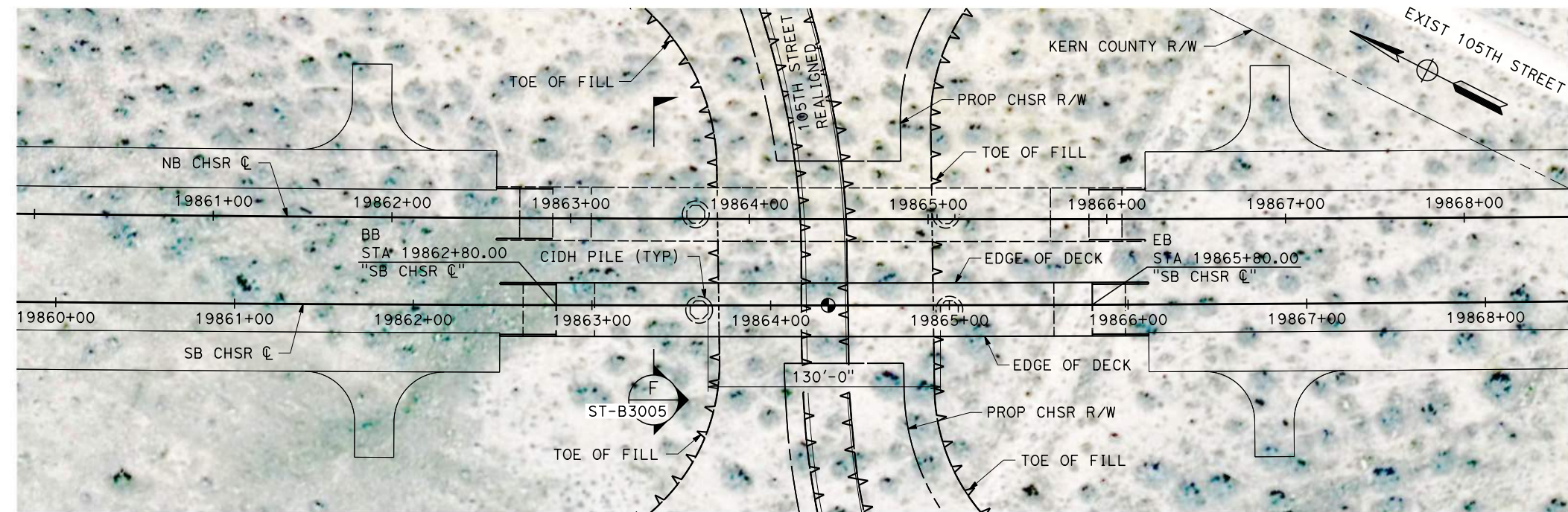
**TOP OF RAIL "SB CHSR ☐"**

NO SCALE



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet Files\ST\BP-ST-J1149  
5:29:51 AM  
1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

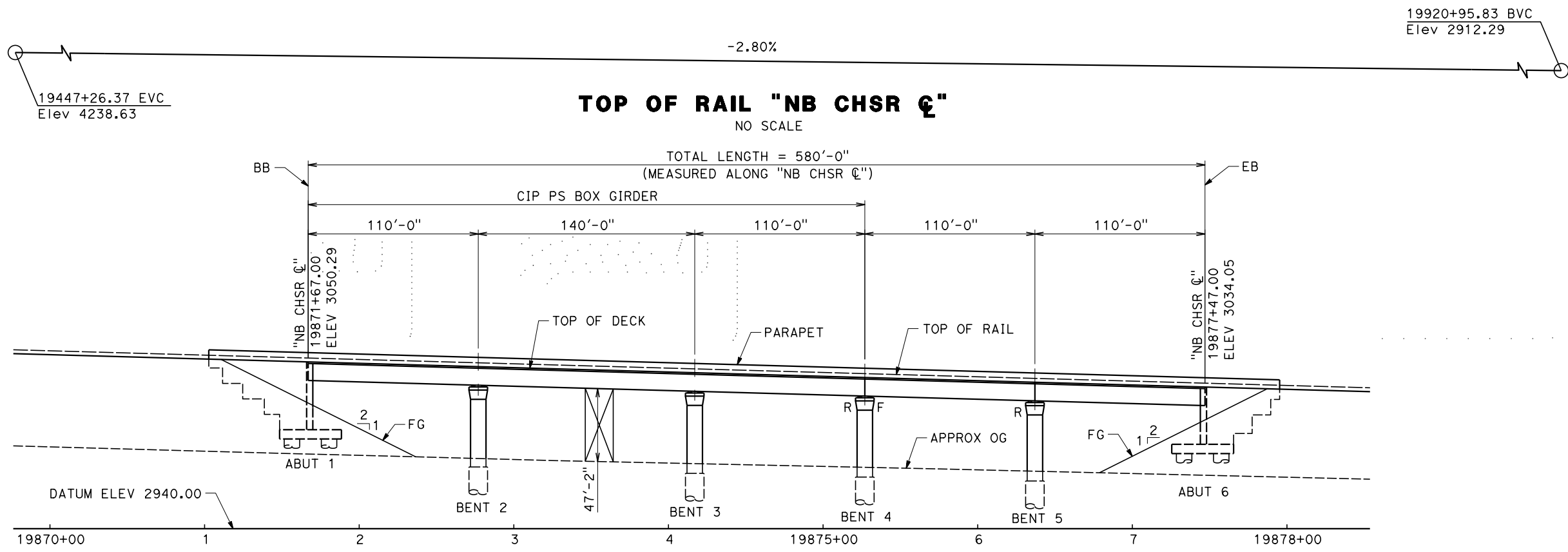


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

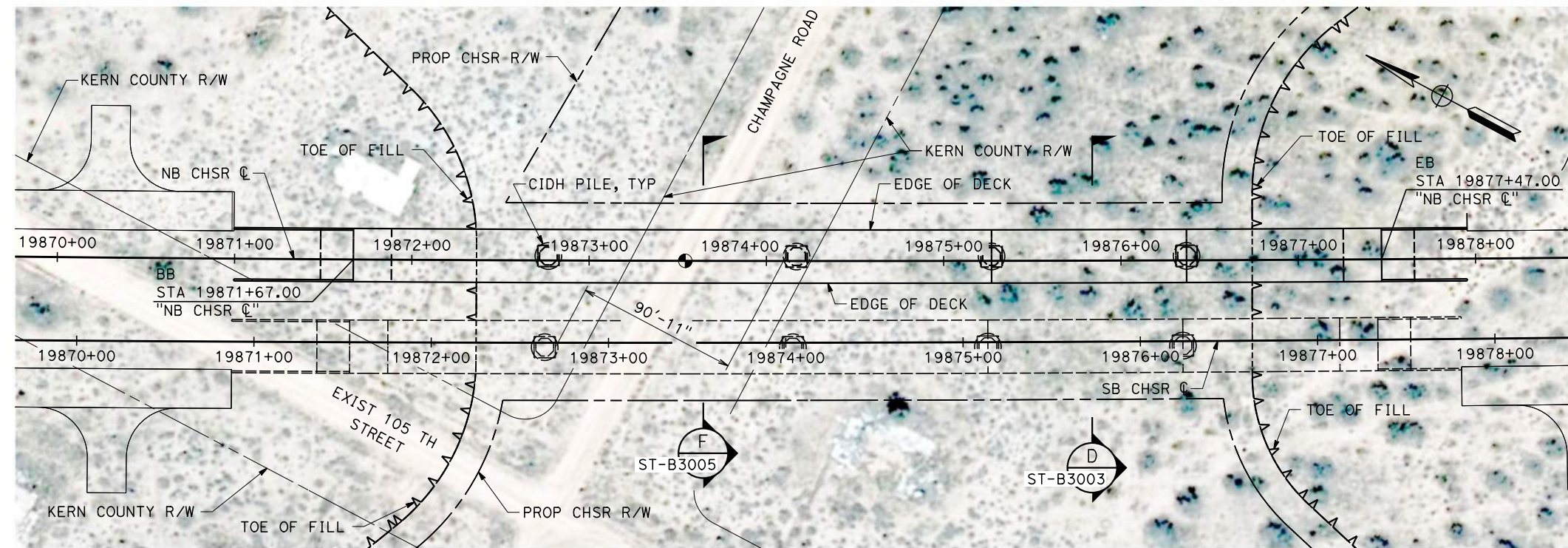
ALTERNATIVE 3  
TRACK STRUCTURES  
105TH STREET SOUTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1149  
SCALE  
AS SHOWN  
SHEET NO.  
165

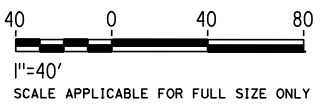
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5:13:41 AM  
1/20/2021  
ics\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

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  
TRACK STRUCTURES  
CHAMPAGNE ROAD NORTH UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

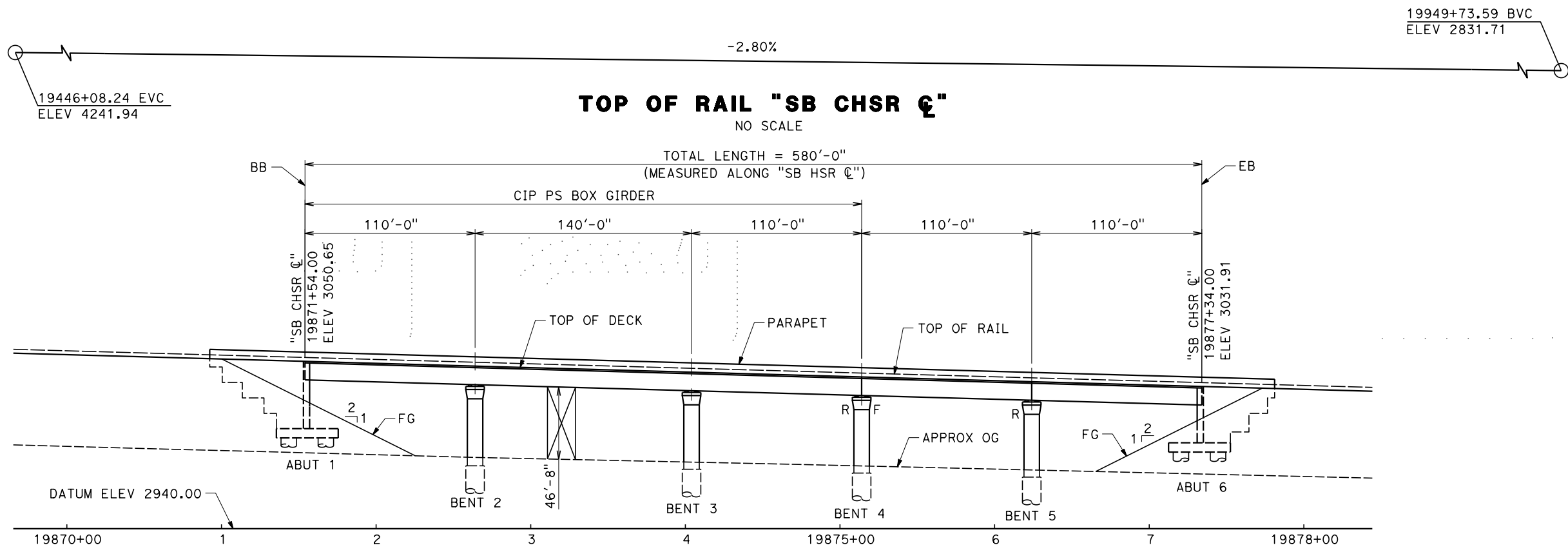
DRAWING NO.  
ST-J1150

SCALE  
AS SHOWN

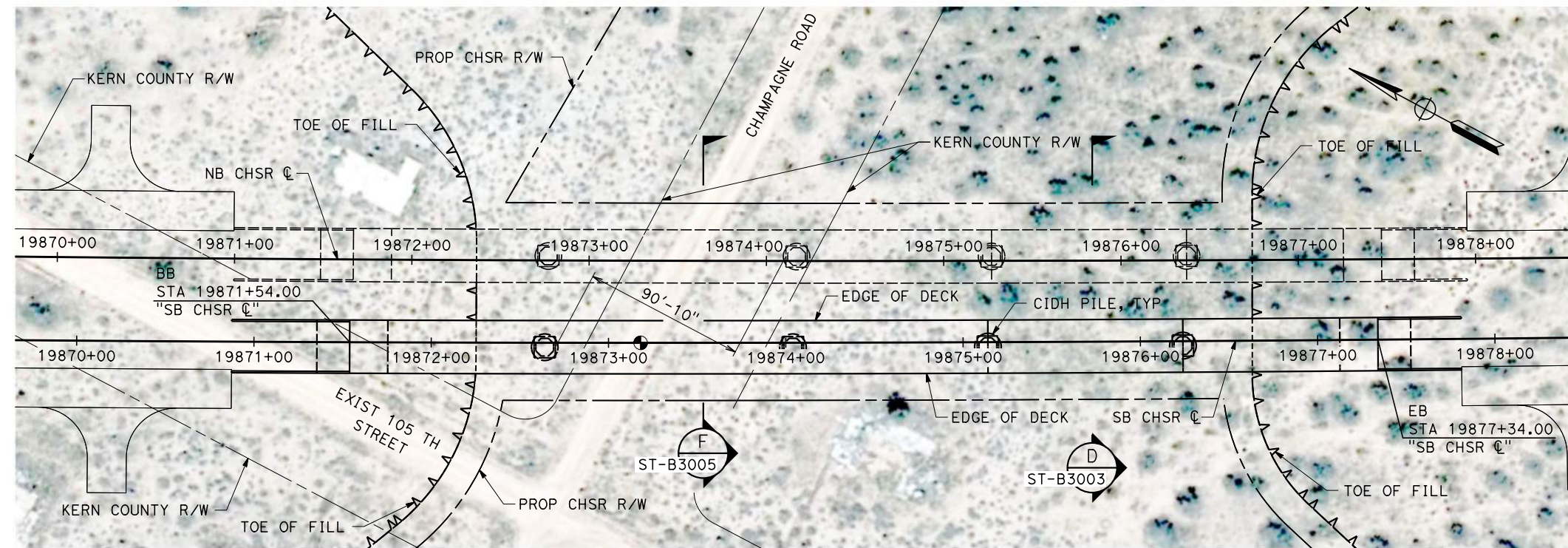
SHEET NO.  
166



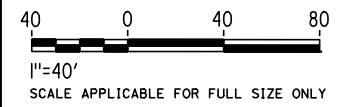
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1/20/2021 5:23:11 AM jcs\_user\_17609



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**

DRAWN BY  
**Y. WANG**

CHECKED BY  
**R. BARTON**

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  
TRACK STRUCTURES  
CHAMPAGNE ROAD SOUTH UNDERPASS  
PLAN AND ELEVATION

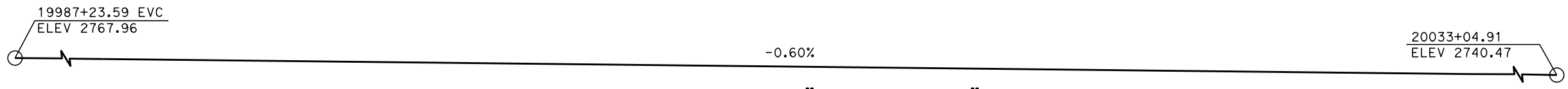
CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1151

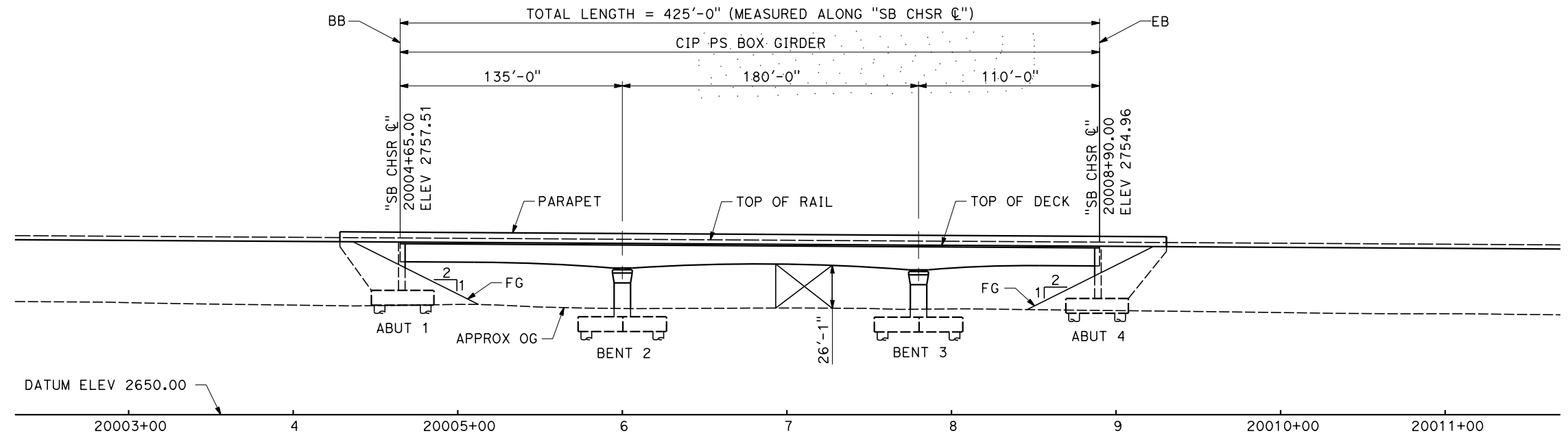
SCALE  
AS SHOWN

SHEET NO.  
167

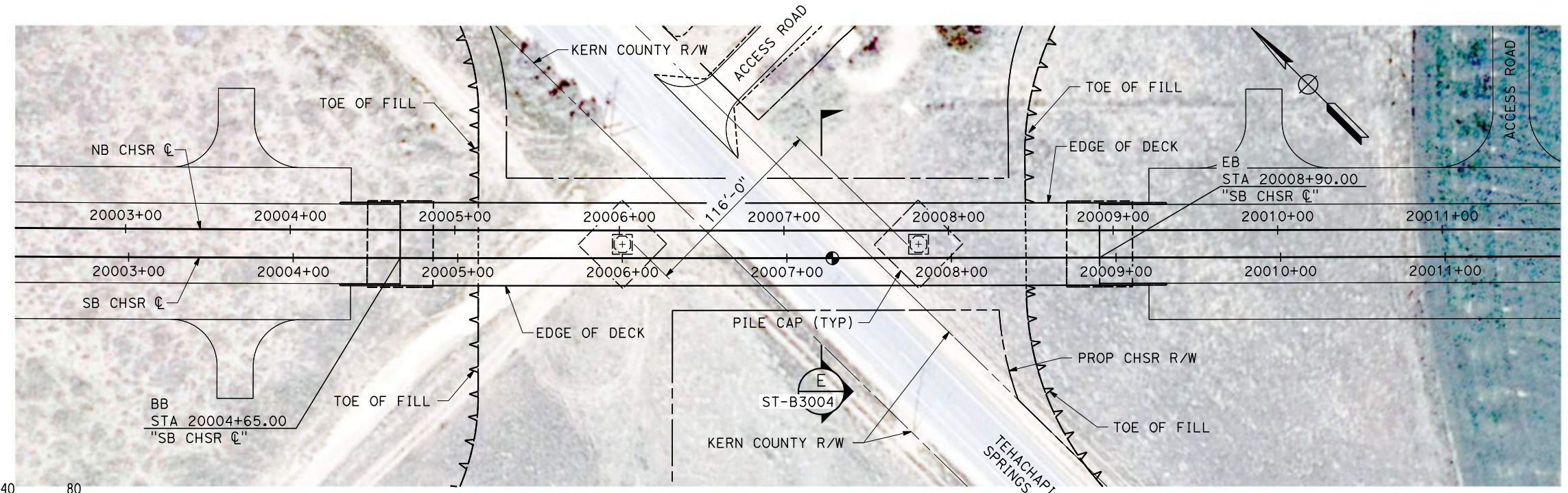
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1/20/2021  
ics\_user\_17609



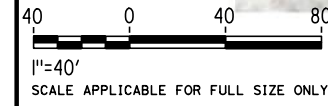
**TOP OF RAIL "SB CHSR C"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'

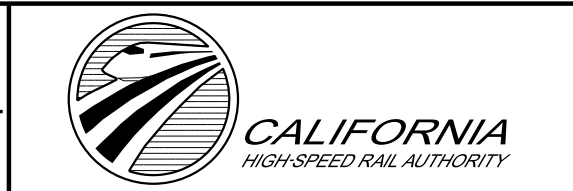


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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  
TRACK STRUCTURES  
TEHACHAPI WILLOW SPRINGS ROAD UNDERPASS - 5  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1157  
SCALE  
AS SHOWN  
SHEET NO.  
168



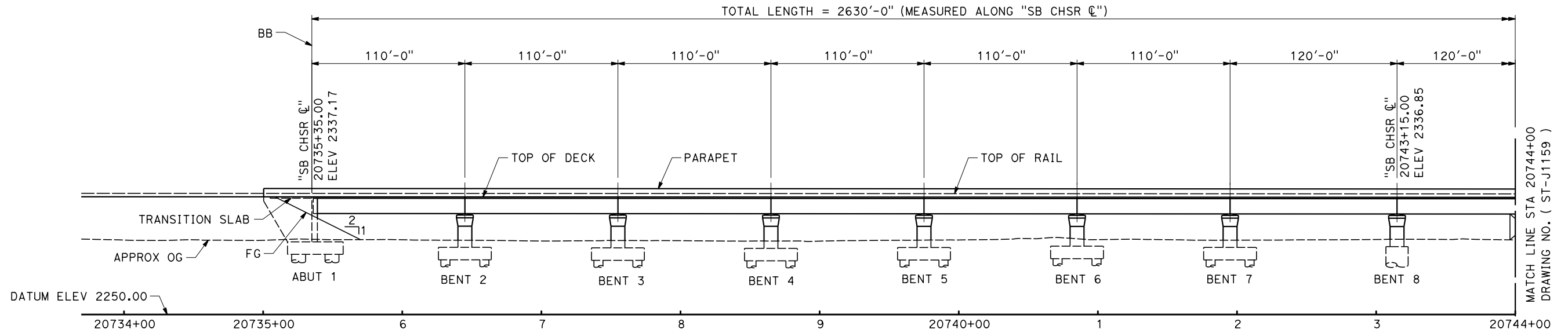
20720+00.00  
ELEV 2337.80

20760+81.81 BVC  
ELEV 2336.13

-0.04%

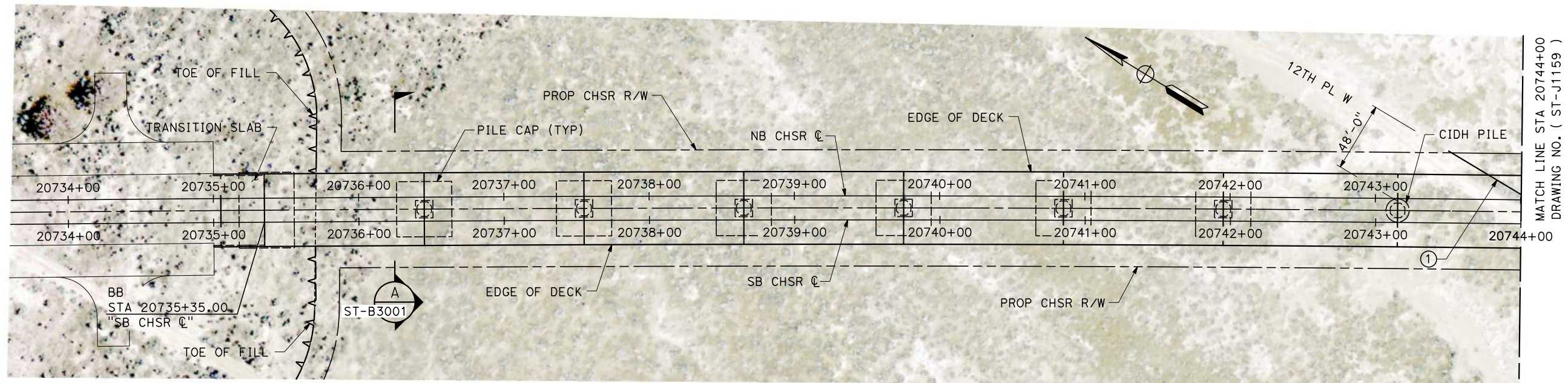
**TOP OF RAIL "SB CHSR ☐"**

NO SCALE



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
IN CHARGE  
**G. CAMPBELL**  
DATE  
**01/29/2021**

**RECORD SET  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**TYLIN INTERNATIONAL**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

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

ALTERNATIVE 5  
TRACK STRUCTURES  
AVENUE F UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44

DRAWING NO.  
ST-J1158

SCALE  
AS SHOWN

SHEET NO.  
169

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1158

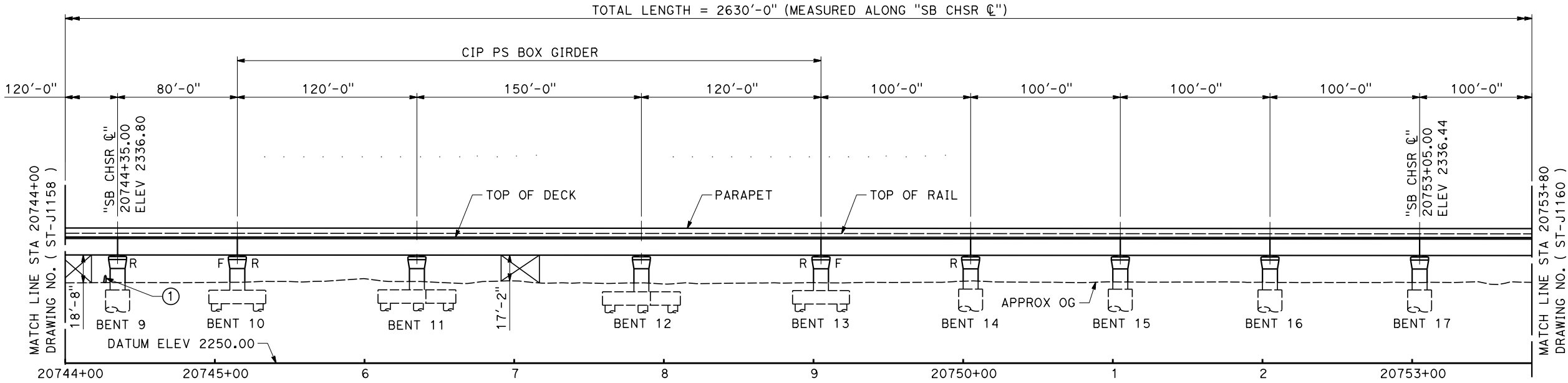
5:13:01 AM

1/20/2021

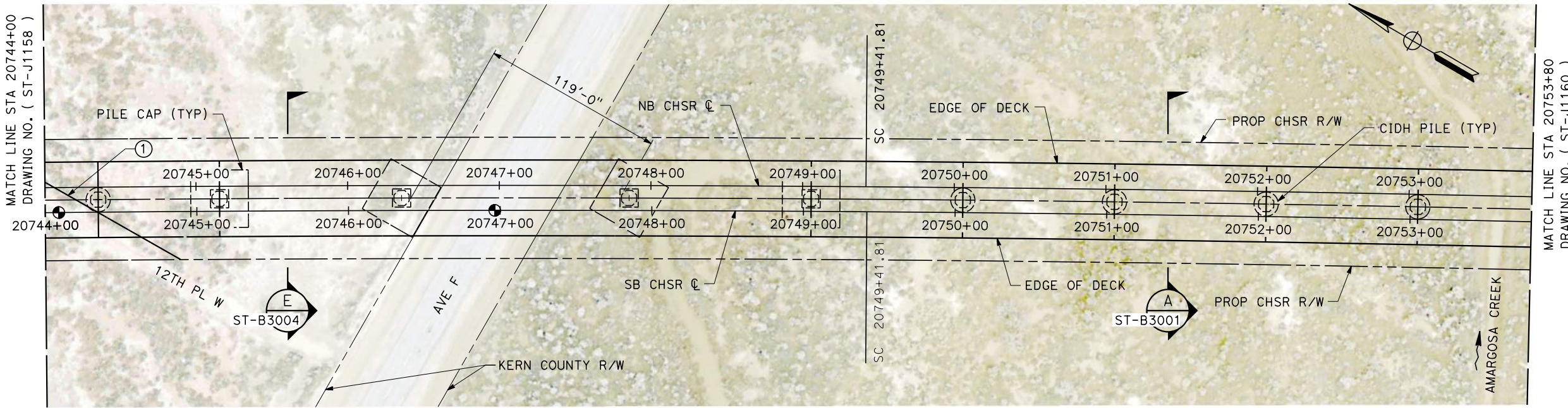
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

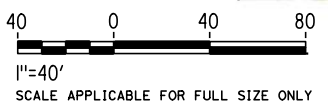




**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1159  
1/20/2021 5:24:06 AM  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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  
TRACK STRUCTURES  
AVENUE F UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1159  
SCALE  
AS SHOWN  
SHEET NO.  
170



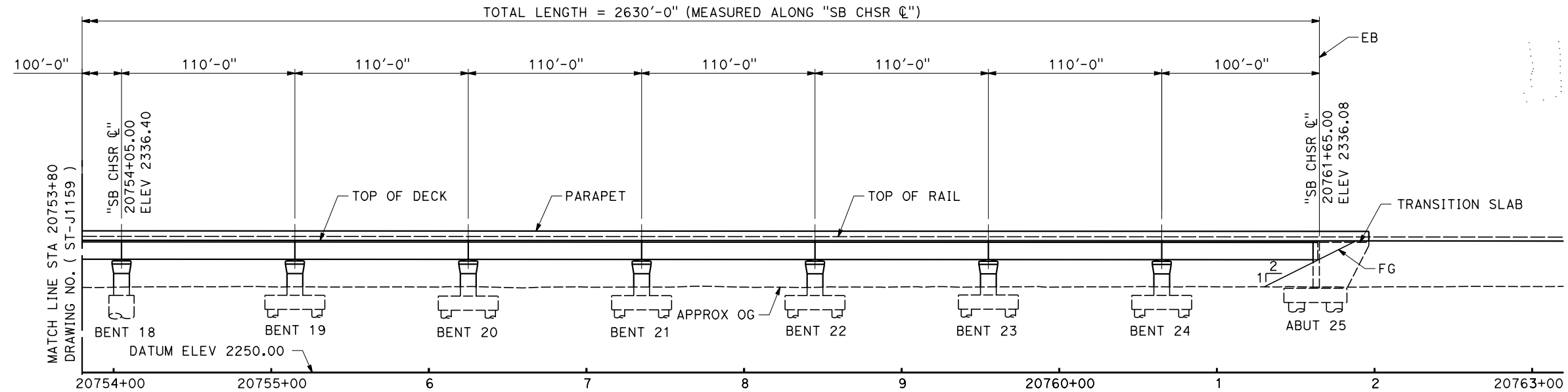
20720+00.00  
ELEV 2337.80

20760+81.81 BVC  
ELEV 2336.13

-0.04%

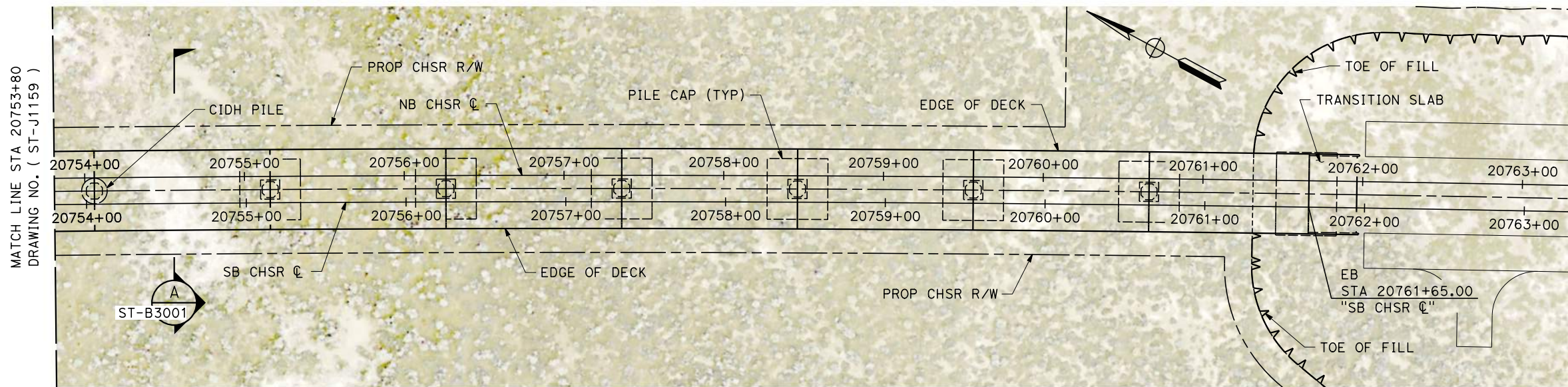
**TOP OF RAIL "SB CHSR C"**

NO SCALE



**ELEVATION**

SCALE 1" = 40'



**PLAN**

SCALE 1" = 40'



1"=40'  
SCALE APPLICABLE FOR FULL SIZE ONLY

Projects\701206\_00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1160  
5:31:02 AM  
1/20/2021  
ics\_user\_17609

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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  
TRACK STRUCTURES  
AVENUE F UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1160  
SCALE  
AS SHOWN  
SHEET NO.  
171

Projects\701206.00\_CHSRBP\00\_CADD\Sheet\_Files\ST\BP-ST-J1160A

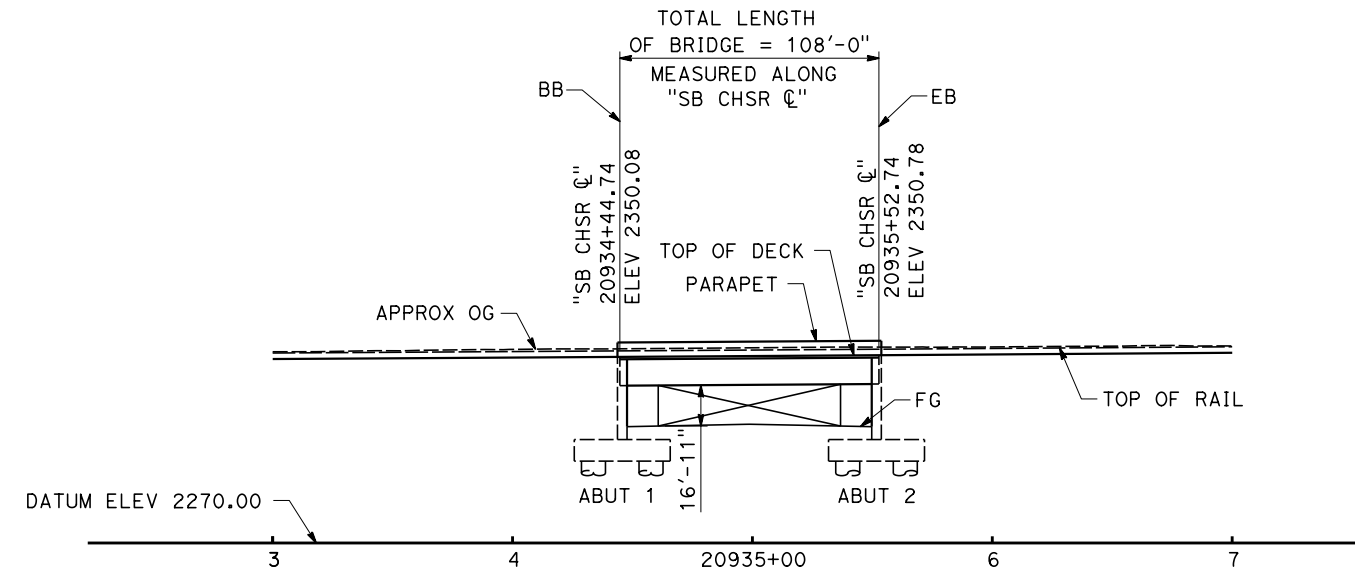
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1/20/2021

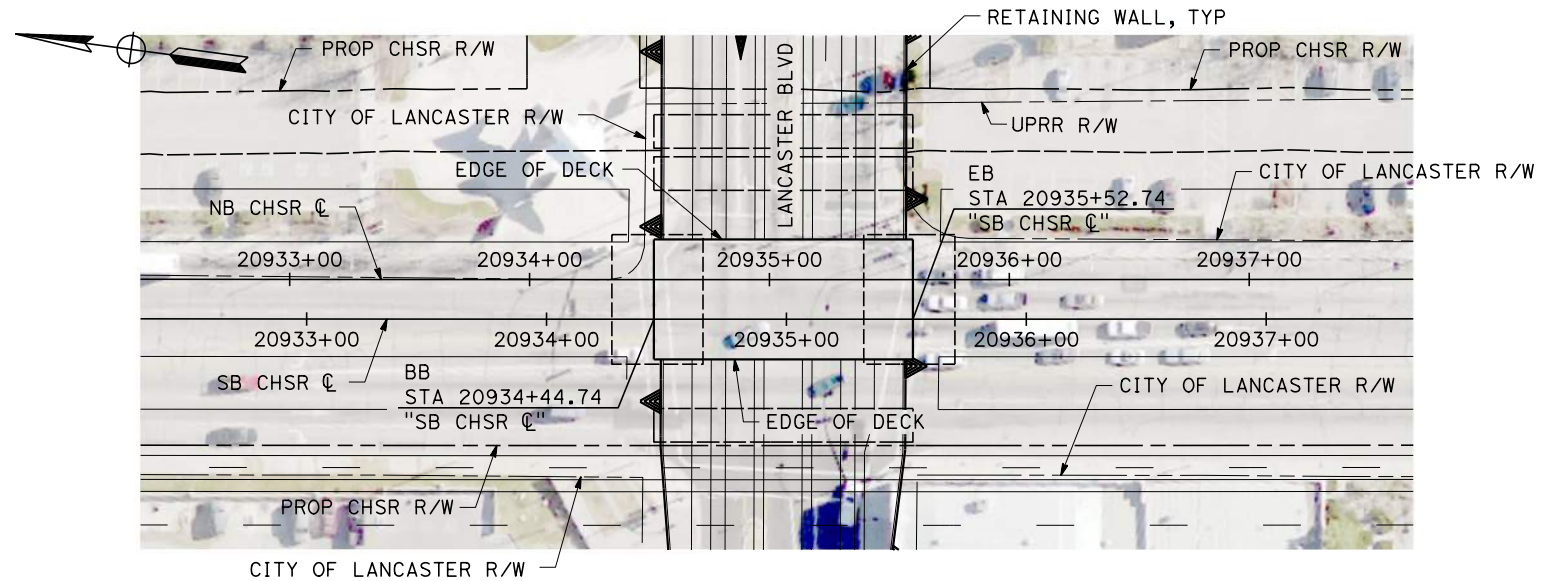
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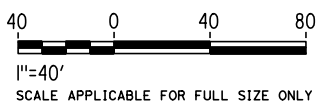
**TOP OF RAIL "SB CHSR ☉"**  
NO SCALE



**ELEVATION**  
SCALE 1" = 40'



**PLAN**  
SCALE 1" = 40'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. GOLCHOBIAN**  
DRAWN BY  
**Y. WANG**  
CHECKED BY  
**R. BARTON**  
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  
TRACK STRUCTURES  
LANCASTER BOULEVARD UNDERPASS  
PLAN AND ELEVATION

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
ST-J1160A  
SCALE  
AS SHOWN  
SHEET NO.  
172