

CALIFORNIA HIGH-SPEED TRAIN GRADING/DRAINAGE/RETAINING WALLS

RECORD PEPD DESIGN SUBMISSION

Bakersfield to Palmdale

Grading/Drainage/Retaining Walls

October 2017



GENERAL SHEETS

DRAWING No.	DRAWING DESCRIPTION
CV-G0001	ALTERNATIVE 1,2,3,5 - GENERAL - INDEX OF DRAWING - SHEET 1 OF 6
CV-G0002	ALTERNATIVE 1,2,3,5 - GENERAL - INDEX OF DRAWING - SHEET 2 OF 6
CV-G0003	ALTERNATIVE 1,2,3,5 - GENERAL - INDEX OF DRAWING - SHEET 3 OF 6
CV-G0004	ALTERNATIVE 1,2,3,5 - GENERAL - INDEX OF DRAWING - SHEET 4 OF 6
CV-G0005	ALTERNATIVE 1,2,3,5 - GENERAL - INDEX OF DRAWING - SHEET 5 OF 6
CV-G0006	ALTERNATIVE 1,2,3,5 - GENERAL - INDEX OF DRAWING - SHEET 6 OF 6
CV-G0007	ALTERNATIVE 1 - GENERAL - KEY MAP - SHEET 1 OF 2
CV-G0008	ALTERNATIVE 1 - GENERAL - KEY MAP - SHEET 2 OF 2
CV-G0009	ALTERNATIVE 2 - GENERAL - KEY MAP - SHEET 1 OF 2
CV-G0010	ALTERNATIVE 2 - GENERAL - KEY MAP - SHEET 2 OF 2
CV-G0011	ALTERNATIVE 3 - GENERAL - KEY MAP - SHEET 1 OF 2
CV-G0012	ALTERNATIVE 3 - GENERAL - KEY MAP - SHEET 2 OF 2
CV-G0013	ALTERNATIVE 5 - GENERAL - KEY MAP - SHEET 1 OF 2
CV-G0014	ALTERNATIVE 5 - GENERAL - KEY MAP - SHEET 2 OF 2
CV-G0015	ALTERNATIVE 1,2,3,5 - GENERAL - LEGEND, ABBREVIATIONS, AND GENERAL NOTES

GRADING AND DRAINAGE PLAN SHEETS

DRAWING No.	DRAWING DESCRIPTION
CV-G4001	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17285+00 TO 17310+00 - PLAN
CV-G4002	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17310+00 TO 17335+00 - PLAN
CV-G4003	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17335+00 TO 17360+00 - PLAN
CV-G4004	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17360+00 TO 17385+00 - PLAN
CV-G4005	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17385+00 TO 17410+00 - PLAN
CV-G4006	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17410+00 TO 17435+00 - PLAN
CV-G4007	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17435+00 TO 17460+00 - PLAN
CV-G4008	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17460+00 TO 17485+00 - PLAN
CV-G4009	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17485+00 TO 17510+00 - PLAN
CV-G4010	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17510+00 TO 17535+00 - PLAN
CV-G4011	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17535+00 TO 17560+00 - PLAN
CV-G4012	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17560+00 TO 17585+00 - PLAN
CV-G4013	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17585+00 TO 17610+00 - PLAN
CV-G4014	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17610+00 TO 17635+00 - PLAN
CV-G4015	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17635+00 TO 17660+00 - PLAN
CV-G4016	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17660+00 TO 17685+00 - PLAN
CV-G4017	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17685+00 TO 17710+00 - PLAN
CV-G4018	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17710+00 TO 17735+00 - PLAN
CV-G4019	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17735+00 TO 17760+00 - PLAN
CV-G4020	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17760+00 TO 17785+00 - PLAN
CV-G4021	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17785+00 TO 17810+00 - PLAN
CV-G4022	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17810+00 TO 17835+00 - PLAN
CV-G4023	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17835+00 TO 17860+00 - PLAN
CV-G4024	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17860+00 TO 17885+00 - PLAN
CV-G4025	ALTERNATIVE 1,3,5 - GRADING AND DRAINAGE - STA. 17885+00 TO 17910+00 - PLAN
CV-G4026	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 17910+00 TO 17935+00 - PLAN
CV-G4027	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 17935+00 TO 17960+00 - PLAN
CV-G4028	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 17960+00 TO 17985+00 - PLAN
CV-G4029	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 17985+00 TO 18010+00 - PLAN
CV-G4030	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18010+00 TO 18035+00 - PLAN
CV-G4031	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18035+00 TO 18060+00 - PLAN
CV-G4032	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18060+00 TO 18085+00 - PLAN
CV-G4033	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18085+00 TO 18110+00 - PLAN
CV-G4034	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18110+00 TO 18135+00 - PLAN
CV-G4035	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18135+00 TO 18160+00 - PLAN
CV-G4036	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18160+00 TO 18185+00 - PLAN
CV-G4037	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18185+00 TO 18210+00 - PLAN
CV-G4038	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18210+00 TO 18235+00 - PLAN
CV-G4039	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18235+00 TO 18260+00 - PLAN
CV-G4040	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18260+00 TO 18285+00 - PLAN
CV-G4041	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18285+00 TO 18310+00 - PLAN
CV-G4042	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18310+00 TO 18335+00 - PLAN
CV-G4043	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18335+00 TO 18360+00 - PLAN
CV-G4044	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18360+00 TO 18385+00 - PLAN
CV-G4045	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18385+00 TO 18410+00 - PLAN
CV-G4046	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18410+00 TO 18435+00 - PLAN
CV-G4047	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18435+00 TO 18460+00 - PLAN
CV-G4048	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18460+00 TO 18485+00 - PLAN
CV-G4049	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18485+00 TO 18510+00 - PLAN
CV-G4050	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18510+00 TO 18535+00 - PLAN
CV-G4051	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18535+00 TO 18560+00 - PLAN
CV-G4052	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18560+00 TO 18585+00 - PLAN
CV-G4053	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18585+00 TO 18610+00 - PLAN
CV-G4054	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18610+00 TO 18635+00 - PLAN
CV-G4055	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18635+00 TO 18660+00 - PLAN
CV-G4056	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18660+00 TO 18685+00 - PLAN
CV-G4057	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18685+00 TO 18710+00 - PLAN
CV-G4058	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18710+00 TO 18735+00 - PLAN
CV-G4059	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - STA. 18735+00 TO 18760+00 - PLAN

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0001.dgn

OIC..Adodge 11/7/2017 10:53:19 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT
DRAWN BY
A. CAROLINO
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G0001
SCALE
AS SHOWN
SHEET NO.

GRADING AND DRAINAGE PLAN SHEETS

DRAWING No.	DRAWING DESCRIPTION
CV-G4177	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 17907+00 - PLAN
CV-G4178	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 17907+00 - PLAN
CV-G4179	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 18154+00 - PLAN
CV-G4180	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 18457+00 - PLAN
CV-G4181	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 18516+00 - PLAN
CV-G4182	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 18516+00 - PLAN
CV-G4183	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 18516+00 - PLAN
CV-G4184	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 18908+00 - PLAN
CV-G4185	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 18908+00 - PLAN
CV-G4186	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 18908+00 - PLAN
CV-G4187	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 19284+00 - PLAN
CV-G4188	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 19284+00 - PLAN
CV-G4189	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 19755+00 - PLAN
CV-G4190	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 19755+00 - PLAN
CV-G4191	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 19945+00 - PLAN
CV-G4192	ALTERNATIVE 1,2,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 19945+00 - PLAN
CV-G4193	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 20084+00 - PLAN
CV-G4194	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 20084+00 - PLAN
CV-G4195	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 20342+00 - PLAN
CV-G4196	ALTERNATIVE 1,2,3,5 - GRADING AND DRAINAGE - ACCESS ROAD STA. 20342+00 - PLAN
CV-G4197	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20806+00 - PLAN
CV-G4198	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20806+00 - PLAN
CV-G4199	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20806+00 - PLAN
CV-G4201	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20861+00 - PLAN
CV-G4202	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20915+00 - PLAN
CV-G4203	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20942+00 - PLAN
CV-G4204	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20915+00 - PLAN
CV-G4205	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20942+00 - PLAN
CV-G4206	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20968+00 - PLAN
CV-G4207	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20968+00 - PLAN
CV-G4208	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - ROAD CROSSING STA. 21022+00 - PLAN
CV-G4209	ALTERNATIVE 1,2,3 - GRADING AND DRAINAGE - ROAD CROSSING STA. 21128+00 - PLAN
CV-G4301	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17285+00 TO 17310+00 - PLAN
CV-G4302	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17310+00 TO 17335+00 - PLAN
CV-G4303	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17335+00 TO 17360+00 - PLAN
CV-G4304	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17360+00 TO 17385+00 - PLAN
CV-G4305	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17385+00 TO 17410+00 - PLAN
CV-G4306	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17410+00 TO 17435+00 - PLAN
CV-G4307	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17435+00 TO 17460+00 - PLAN
CV-G4308	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17460+00 TO 17485+00 - PLAN
CV-G4309	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17485+00 TO 17510+00 - PLAN
CV-G4310	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17510+00 TO 17535+00 - PLAN
CV-G4311	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17535+00 TO 17560+00 - PLAN
CV-G4312	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17560+00 TO 17585+00 - PLAN
CV-G4313	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17585+00 TO 17610+00 - PLAN
CV-G4314	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17610+00 TO 17635+00 - PLAN
CV-G4315	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17635+00 TO 17660+00 - PLAN
CV-G4316	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17660+00 TO 17685+00 - PLAN
CV-G4317	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17685+00 TO 17710+00 - PLAN
CV-G4318	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17710+00 TO 17735+00 - PLAN
CV-G4319	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17735+00 TO 17760+00 - PLAN
CV-G4320	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17760+00 TO 17785+00 - PLAN
CV-G4321	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17785+00 TO 17810+00 - PLAN
CV-G4322	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17810+00 TO 17835+00 - PLAN
CV-G4323	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17835+00 TO 17860+00 - PLAN
CV-G4324	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17860+00 TO 17885+00 - PLAN
CV-G4325	ALTERNATIVE 2 - GRADING AND DRAINAGE - STA. 17885+00 TO 17910+00 - PLAN
CV-G4326	ALTERNATIVE 2 - GRADING AND DRAINAGE - ROAD CROSSING STA. 17397+00 - PLAN
CV-G4327	ALTERNATIVE 2 - GRADING AND DRAINAGE - ROAD CROSSING STA. 17397+00 - PLAN

GRADING AND DRAINAGE PLAN SHEETS

DRAWING No.	DRAWING DESCRIPTION
CV-G4328	ALTERNATIVE 2 - GRADING AND DRAINAGE - ACCESS ROAD STA. 17787+00 - PLAN
CV-G4401	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19295+00 TO 19320+00 - PLAN
CV-G4402	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19320+00 TO 19345+00 - PLAN
CV-G4403	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19345+00 TO 19370+00 - PLAN
CV-G4404	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19370+00 TO 19395+00 - PLAN
CV-G4405	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19395+00 TO 19420+00 - PLAN
CV-G4406	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19420+00 TO 19445+00 - PLAN
CV-G4407	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19445+00 TO 19470+00 - PLAN
CV-G4408	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19470+00 TO 19495+00 - PLAN
CV-G4409	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19495+00 TO 19520+00 - PLAN
CV-G4410	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19520+00 TO 19545+00 - PLAN
CV-G4411	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19545+00 TO 19570+00 - PLAN
CV-G4412	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19570+00 TO 19595+00 - PLAN
CV-G4413	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19595+00 TO 19620+00 - PLAN
CV-G4414	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19620+00 TO 19645+00 - PLAN
CV-G4415	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19645+00 TO 19670+00 - PLAN
CV-G4416	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19670+00 TO 19695+00 - PLAN
CV-G4417	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19695+00 TO 19720+00 - PLAN
CV-G4418	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19720+00 TO 19745+00 - PLAN
CV-G4419	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19745+00 TO 19770+00 - PLAN
CV-G4420	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19770+00 TO 19795+00 - PLAN
CV-G4421	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19795+00 TO 19820+00 - PLAN
CV-G4422	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19820+00 TO 19845+00 - PLAN
CV-G4423	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19845+00 TO 19870+00 - PLAN
CV-G4424	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19870+00 TO 19895+00 - PLAN
CV-G4425	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19895+00 TO 19920+00 - PLAN
CV-G4426	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19920+00 TO 19945+00 - PLAN
CV-G4427	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19945+00 TO 19970+00 - PLAN
CV-G4428	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19970+00 TO 19995+00 - PLAN
CV-G4429	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 19995+00 TO 20020+00 - PLAN
CV-G4430	ALTERNATIVE 3 - GRADING AND DRAINAGE - STA. 20020+00 TO 20045+00 - PLAN
CV-G4431	ALTERNATIVE 3 - GRADING AND DRAINAGE - ACCESS ROAD STA. 19640+00 - PLAN
CV-G4432	ALTERNATIVE 3 - GRADING AND DRAINAGE - ACCESS ROAD STA. 19727+00 - PLAN
CV-G4433	ALTERNATIVE 3 - GRADING AND DRAINAGE - ACCESS ROAD STA. 19727+00 - PLAN
CV-G4434	ALTERNATIVE 3 - GRADING AND DRAINAGE - ACCESS ROAD STA. 19727+00 - PLAN
CV-G4435	ALTERNATIVE 3 - GRADING AND DRAINAGE - ACCESS ROAD STA. 19941+00 - PLAN
CV-G4436	ALTERNATIVE 3 - GRADING AND DRAINAGE - ACCESS ROAD STA. 19941+00 - PLAN
CV-G4501	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20720+00 TO 20745+00 - PLAN
CV-G4502	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20745+00 TO 20770+00 - PLAN
CV-G4503	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20770+00 TO 20795+00 - PLAN
CV-G4504	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20795+00 TO 20820+00 - PLAN
CV-G4505	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20820+00 TO 20845+00 - PLAN
CV-G4506	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20845+00 TO 20870+00 - PLAN
CV-G4507	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20870+00 TO 20895+00 - PLAN
CV-G4508	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20895+00 TO 20920+00 - PLAN
CV-G4509	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20920+00 TO 20945+00 - PLAN
CV-G4510	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20945+00 TO 20970+00 - PLAN
CV-G4511	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20970+00 TO 20995+00 - PLAN
CV-G4512	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20995+00 TO 21020+00 - PLAN
CV-G4513	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21020+00 TO 21045+00 - PLAN
CV-G4514	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21045+00 TO 21070+00 - PLAN
CV-G4515	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21070+00 TO 21095+00 - PLAN
CV-G4516	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21095+00 TO 21120+00 - PLAN
CV-G4517	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21120+00 TO 21145+00 - PLAN
CV-G4518	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21145+00 TO 21170+00 - PLAN
CV-G4519	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21170+00 TO 21195+00 - PLAN
CV-G4520	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21195+00 TO 21220+00 - PLAN
CV-G4521	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21220+00 TO 21245+00 - PLAN
CV-G4522	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 20995+00 TO 21020+00 - PLAN

Projects\701206.00_CHSRBP_V00_CADD_Sheet_Files\CV\G\BP-CV-G0003.dgn

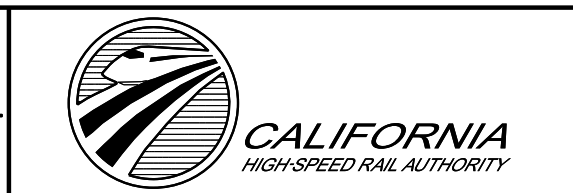
OIC..Adodge 11/7/2017 10:54:31 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT
DRAWN BY
A. CAROLINO
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G0003
SCALE
AS SHOWN
SHEET NO.

GRADING AND DRAINAGE PLAN SHEETS

DRAWING No.	DRAWING DESCRIPTION
CV-G4523	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21020+00 TO 21045+00 - PLAN
CV-G4524	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21045+00 TO 21070+00 - PLAN
CV-G4525	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21070+00 TO 21095+00 - PLAN
CV-G4526	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21095+00 TO 21120+00 - PLAN
CV-G4527	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21120+00 TO 21145+00 - PLAN
CV-G4528	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21145+00 TO 21170+00 - PLAN
CV-G4529	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21170+00 TO 21195+00 - PLAN
CV-G4530	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21195+00 TO 21220+00 - PLAN
CV-G4531	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21120+00 TO 21145+00 - PLAN
CV-G4532	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21145+00 TO 21170+00 - PLAN
CV-G4533	ALTERNATIVE 5 - GRADING AND DRAINAGE - STA. 21170+00 TO 21195+00 - PLAN
CV-G4534	ALTERNATIVE 5 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20805+00 - PLAN
CV-G4535	ALTERNATIVE 5 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20805+00 - PLAN
CV-G4536	ALTERNATIVE 5 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20805+00 - PLAN
CV-G4538	ALTERNATIVE 5 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20860+00 - PLAN
CV-G4539	ALTERNATIVE 5 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20915+00 - PLAN
CV-G4540	ALTERNATIVE 5 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20942+00 - PLAN
CV-G4541	ALTERNATIVE 5 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20915+00 - PLAN
CV-G4542	ALTERNATIVE 5 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20942+00 - PLAN
CV-G4543	ALTERNATIVE 5 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20968+00 - PLAN
CV-G4544	ALTERNATIVE 5 - GRADING AND DRAINAGE - ROAD CROSSING STA. 20968+00 - PLAN
CV-G4545	ALTERNATIVE 5 - GRADING AND DRAINAGE - ROAD CROSSING STA. 21021+00 - PLAN
CV-G4546	ALTERNATIVE 5 - GRADING AND DRAINAGE - ROAD CROSSING STA. 21128+00 - PLAN

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0004.dgn

OIC:Adodge 11/7/2017 10:58:26 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT

DRAWN BY
A. CAROLINO

CHECKED BY
G. CAMPBELL

IN CHARGE
S. SMITH

DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

TYLIN INTERNATIONAL



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

ALTERNATIVE 1,2,3,5
GENERAL
INDEX OF DRAWING
SHEET 4 OF 6

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0004

SCALE
AS SHOWN

SHEET NO.

RETAINING WALL PLAN AND PROFILE SHEETS

DRAWING No.	DRAWING DESCRIPTION
ST-G1001	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18168 - PLAN AND PROFILE
ST-G1003	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18335 - PLAN AND PROFILE
ST-G1004	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18430 - PLAN AND PROFILE
ST-G1005	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18473 - PLAN AND PROFILE
ST-G1007	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18700 - PLAN AND PROFILE
ST-G1008	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 19087 AND 19088 - PLAN AND PROFILE
ST-G1009	ALTERNATIVE 1,2,3 - RETAINING WALL - 20969 - PLAN AND PROFILE
ST-G1010	ALTERNATIVE 2 - RETAINING WALL - 17492 - PLAN AND PROFILE
ST-G1011	ALTERNATIVE 2 - RETAINING WALL - 17530 - PLAN AND PROFILE
ST-G1012	ALTERNATIVE 5 - RETAINING WALL - 21112 - PLAN AND PROFILE
ST-G1013	ALTERNATIVE 5 - RETAINING WALL - 21112 - PLAN AND PROFILE
ST-G1014	ALTERNATIVE 5 - RETAINING WALL - 21112 - PLAN AND PROFILE
ST-G1015	ALTERNATIVE 5 - RETAINING WALL - 21112 - PLAN AND PROFILE
ST-G1016	ALTERNATIVE 5 - RETAINING WALL - 21112 - PLAN AND PROFILE
ST-G1017	ALTERNATIVE 2 - RETAINING WALL - 17617 AND 17623 - PLAN AND PROFILE
ST-G1018	ALTERNATIVE 2 - RETAINING WALL - 17726 AND 17734 - PLAN AND PROFILE
ST-G1019	ALTERNATIVE 1,3,5 - RETAINING WALL - MORNING DRIVE - PLAN AND PROFILE
ST-G1020	ALTERNATIVE 1,3,5 - RETAINING WALL - EDISON ROAD - PLAN AND PROFILE
ST-G1021	ALTERNATIVE 1,3,5 - RETAINING WALL - EDISON MOIS - PLAN AND PROFILE
ST-G1022	ALTERNATIVE 1,3,5 - RETAINING WALL - EDISON MOIS - PLAN AND PROFILE
ST-G1023	ALTERNATIVE 1,2,3,5 - RETAINING WALL - ACCESS ROAD - PLAN AND PROFILE
ST-G1024	ALTERNATIVE 1,2,3,5 - RETAINING WALL - STATE ROUTE 58 - PLAN AND PROFILE
ST-G1025	ALTERNATIVE 1,2,3,5 - RETAINING WALL - STATE ROUTE 58 - PLAN AND PROFILE
ST-G1026	ALTERNATIVE 1,2,3,5 - RETAINING WALL - STATE ROUTE 58 - PLAN AND PROFILE
ST-G1027	ALTERNATIVE 1,2,3,5 - RETAINING WALL - STATE ROUTE 58 - PLAN AND PROFILE
ST-G1028	ALTERNATIVE 1,2,3,5 - RETAINING WALL - STATE ROUTE 58 - PLAN AND PROFILE
ST-G1029	ALTERNATIVE 1,2,3,5 - RETAINING WALL - 18875 - PLAN AND PROFILE
ST-G1030	ALTERNATIVE 1,2,5 - RETAINING WALL - TEHACHAPI WILLOW SPRINGS ROAD - PLAN AND PROFILE
ST-G1031	ALTERNATIVE 1,2,5 - RETAINING WALL - TEHACHAPI WILLOW SPRINGS ROAD - PLAN AND PROFILE
ST-G1032	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE G - PLAN AND PROFILE
ST-G1033	ALTERNATIVE 1,2,3 - RETAINING WALL - SIERRA HIGHWAY - PLAN AND PROFILE
ST-G1034	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE H - PLAN AND PROFILE
ST-G1036	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE I - PLAN AND PROFILE
ST-G1037	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE I - PLAN AND PROFILE
ST-G1038	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE I - PLAN AND PROFILE
ST-G1039	ALTERNATIVE 1,2,3 - RETAINING WALL - MILLING STREET - PLAN AND PROFILE
ST-G1040	ALTERNATIVE 1,2,3 - RETAINING WALL - MILLING STREET - PLAN AND PROFILE
ST-G1041	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
ST-G1042	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
ST-G1043	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
ST-G1044	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
ST-G1045	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE L - PLAN AND PROFILE
ST-G1047	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE M - PLAN AND PROFILE
ST-G1048	ALTERNATIVE 1,2,3,5 - RETAINING WALL - AVENUE N - PLAN AND PROFILE
ST-G1049	ALTERNATIVE 1,2,3 - RETAINING WALL - AVENUE N - PLAN AND PROFILE
ST-G1051	ALTERNATIVE 5 - RETAINING WALL - SIERRA HIGHWAY - PLAN AND PROFILE
ST-G1052	ALTERNATIVE 5 - RETAINING WALL - AVENUE G - PLAN AND PROFILE
ST-G1053	ALTERNATIVE 5 - RETAINING WALL - AVENUE H - PLAN AND PROFILE
ST-G1056	ALTERNATIVE 5 - RETAINING WALL - AVENUE I AND SIERRA HIGHWAY - PLAN AND PROFILE
ST-G1057	ALTERNATIVE 5 - RETAINING WALL - MILLING STREET - PLAN AND PROFILE
ST-G1058	ALTERNATIVE 5 - RETAINING WALL - MILLING STREET - PLAN AND PROFILE
ST-G1059	ALTERNATIVE 5 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
ST-G1060	ALTERNATIVE 5 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
ST-G1062	ALTERNATIVE 5 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
ST-G1063	ALTERNATIVE 5 - RETAINING WALL - AVENUE J - PLAN AND PROFILE
ST-G1065	ALTERNATIVE 5 - RETAINING WALL - AVENUE M - PLAN AND PROFILE

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

OIC:Adodge 11/7/2017 10:56:40 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY R. KRAFT
DRAWN BY A. CAROLINO
CHECKED BY G. CAMPBELL
IN CHARGE S. SMITH
DATE 10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

TYLIN INTERNATIONAL

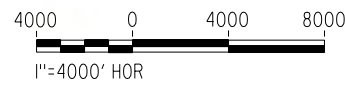
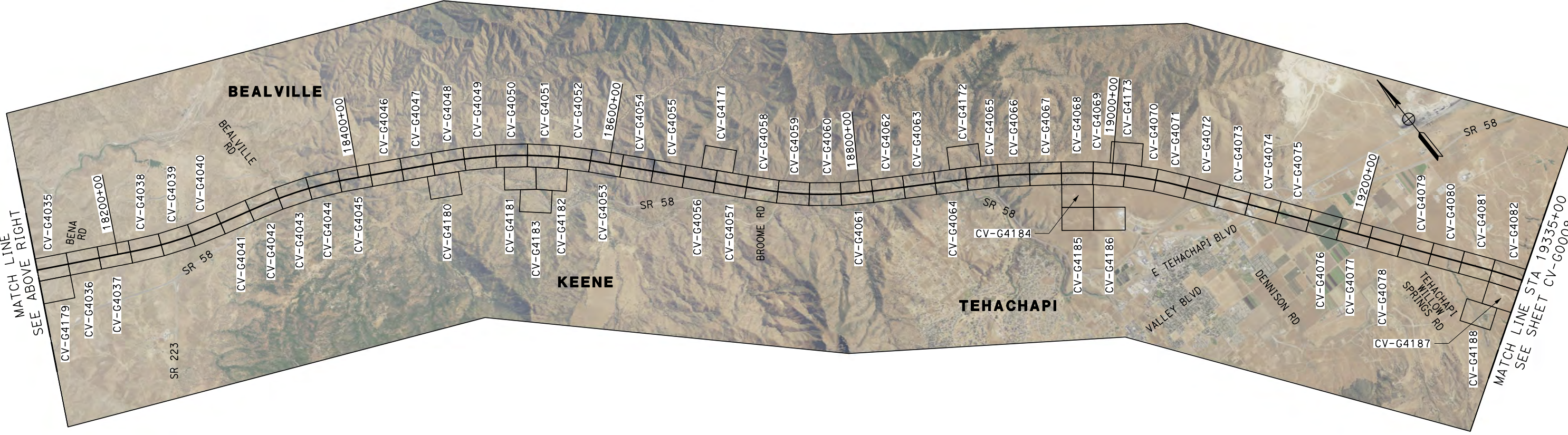
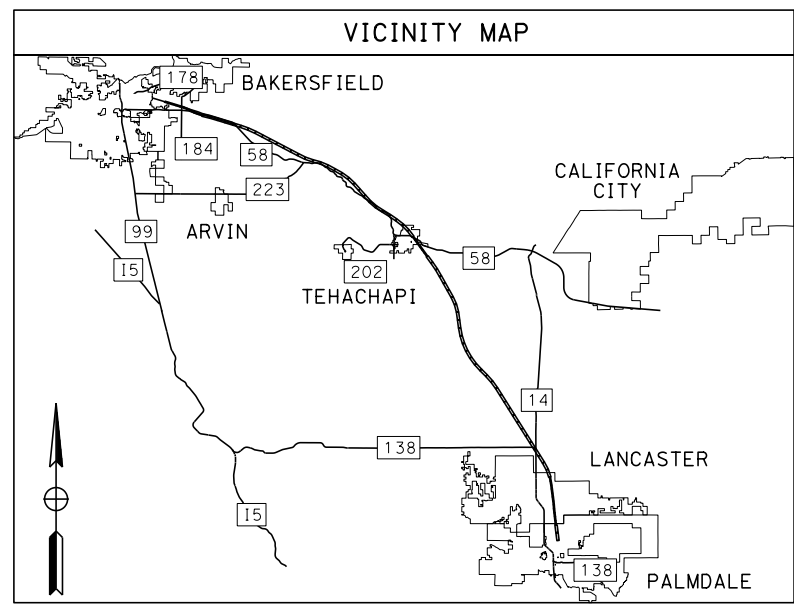
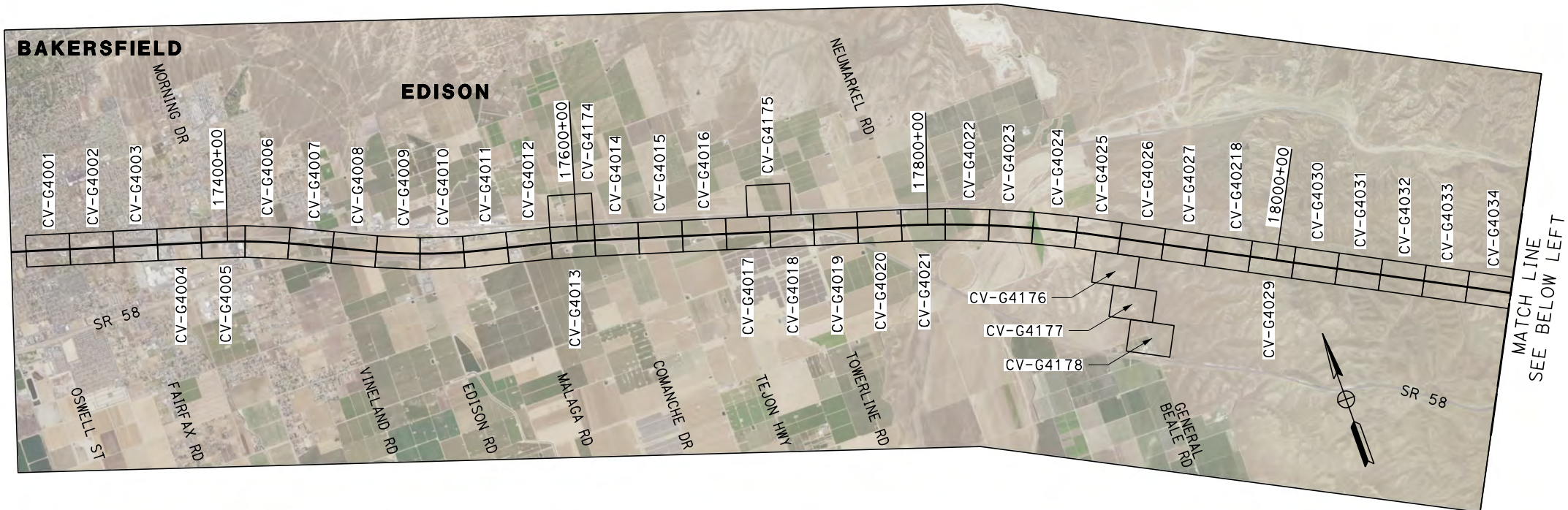


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

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

CONTRACT NO. HSR13-44
DRAWING NO. CV-G0006
SCALE AS SHOWN
SHEET NO.

ALTERNATIVE 1



Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0007.dgn

OIC:Adodge 11/7/2017 11:12:43 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT

DRAWN BY
A. CAROLINO

CHECKED BY
G. CAMPBELL

IN CHARGE
S. SMITH

DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

ALTERNATIVE 1
GENERAL
KEY MAP
SHEET 1 OF 2

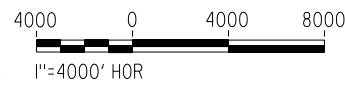
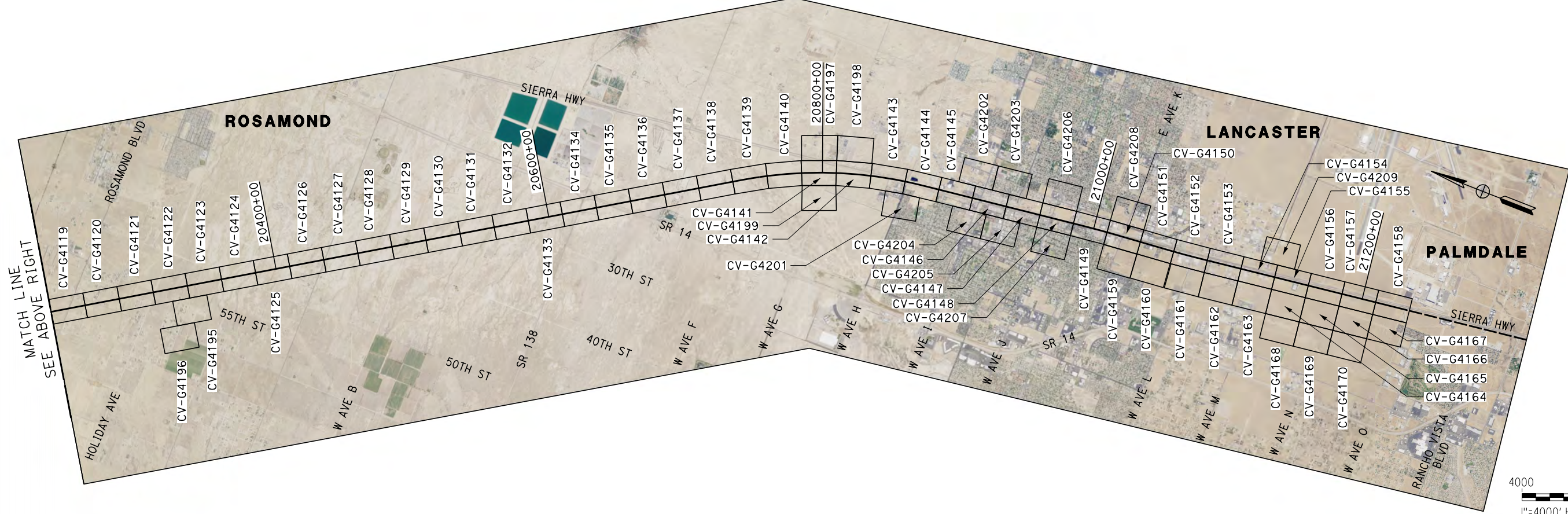
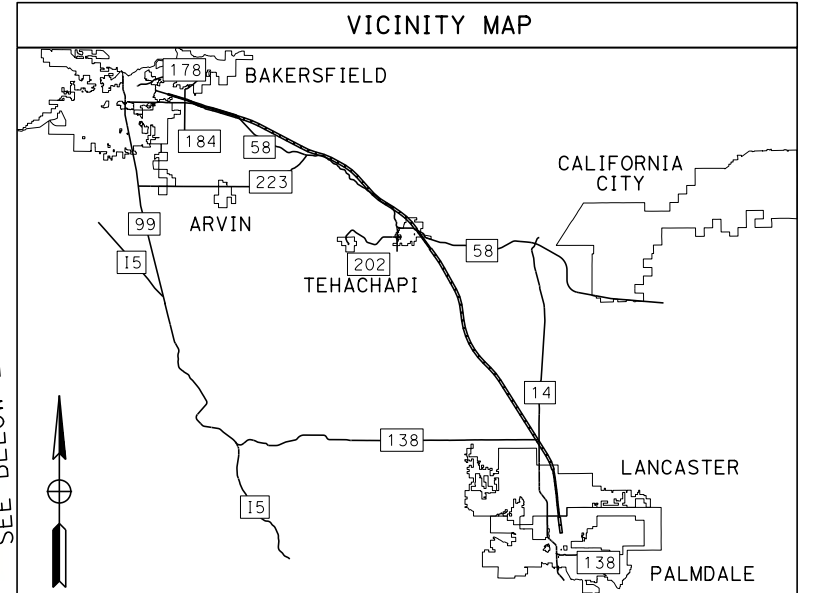
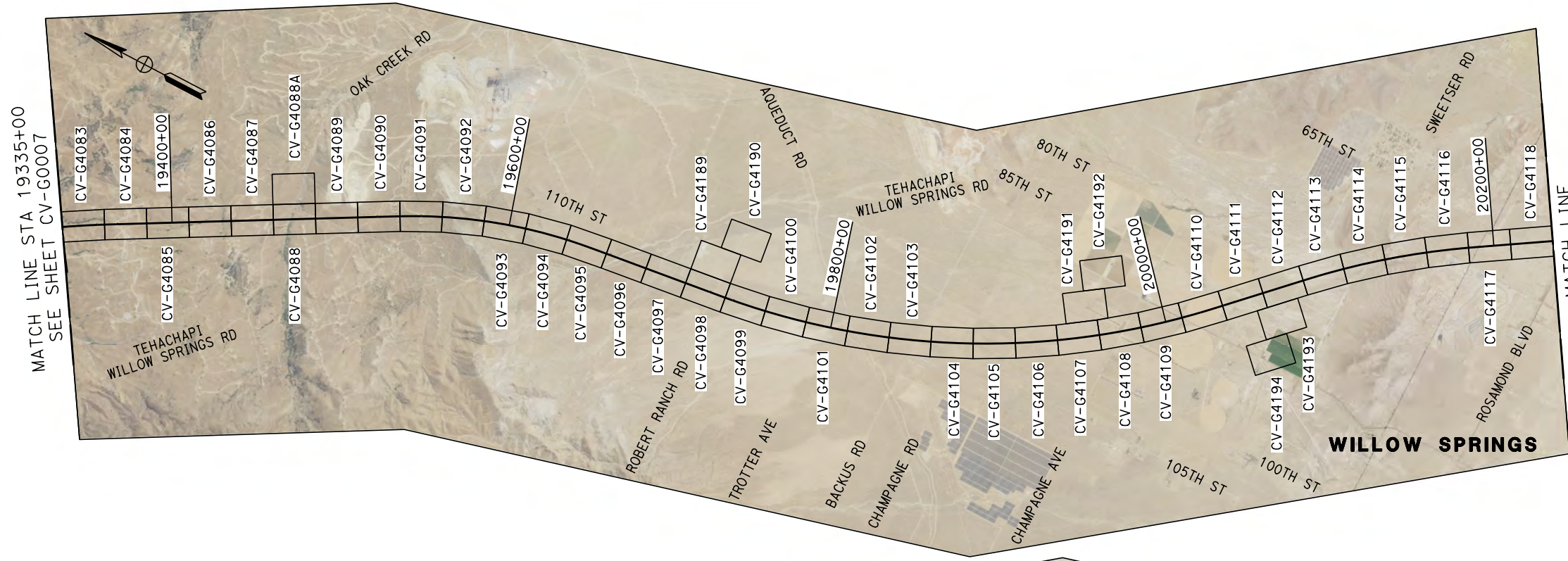
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0007

SCALE
AS SHOWN

SHEET NO.

ALTERNATIVE 1



Projects\701206\00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0008.dgn 11/8/2017 1:19:39 PM OIC:Adodge

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT
DRAWN BY
A. CAROLINO
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

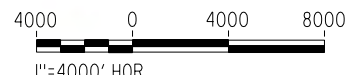
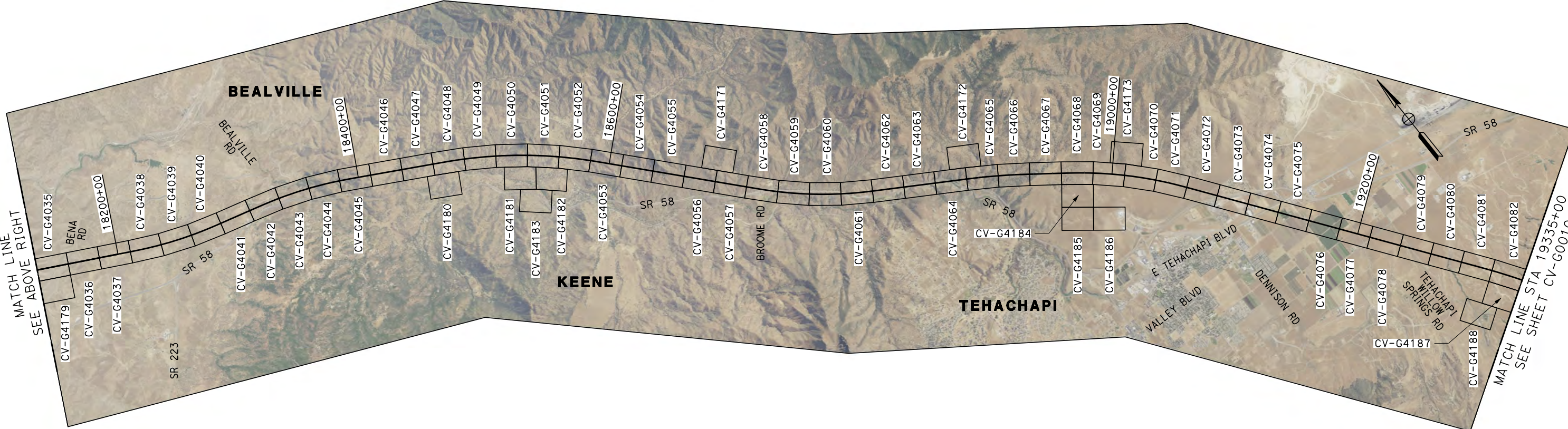
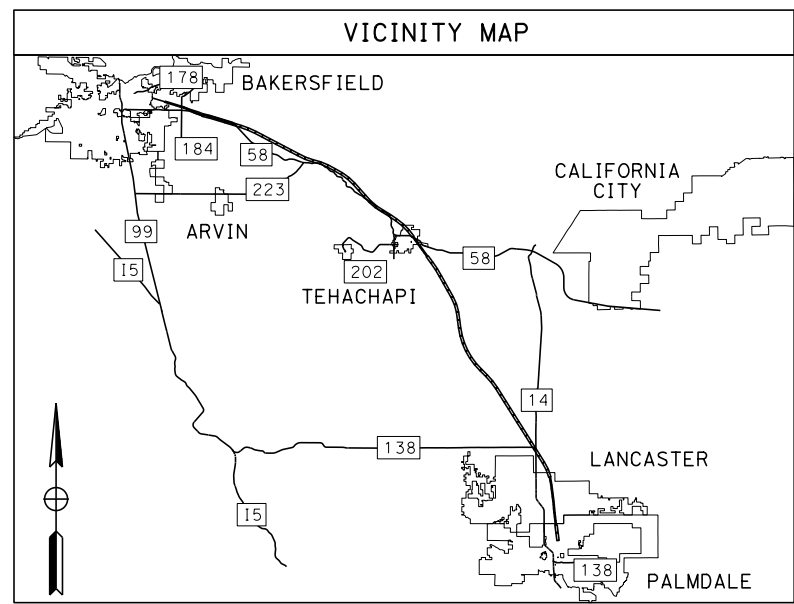
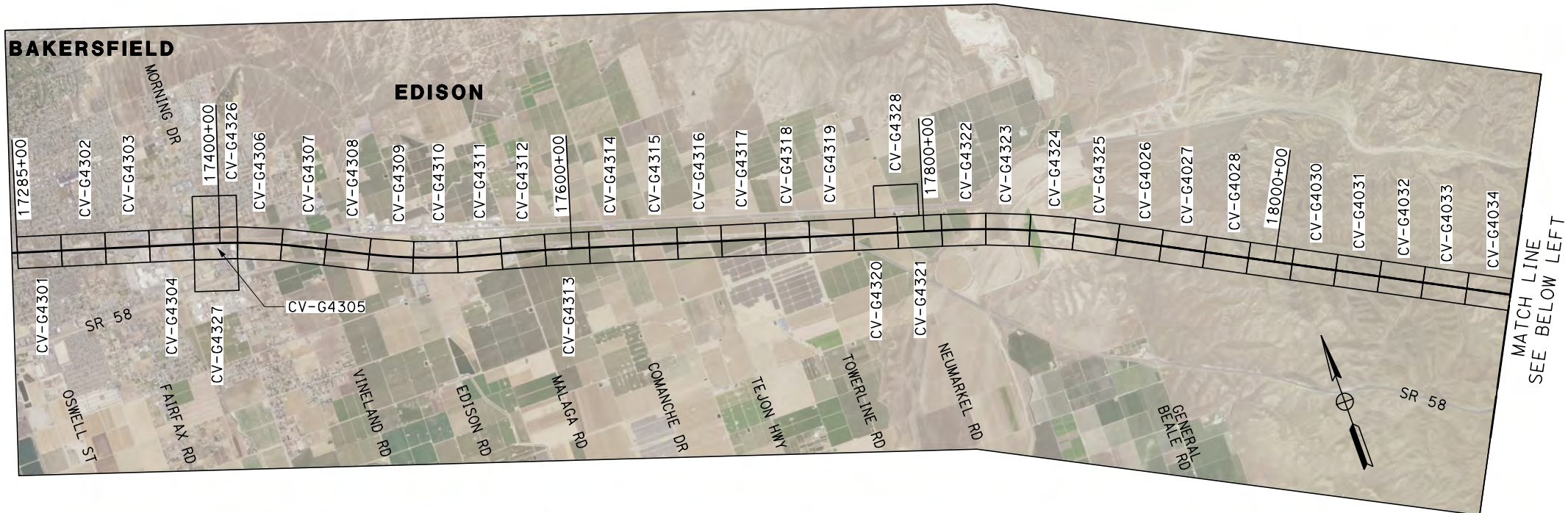


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1
GENERAL
KEY MAP
SHEET 2 OF 2

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G0008
SCALE
AS SHOWN
SHEET NO.

ALTERNATIVE 2



Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0009.dgn

OIC:Adodge 11/7/2017 11:01:42 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT

DRAWN BY
A. CAROLINO

CHECKED BY
G. CAMPBELL

IN CHARGE
S. SMITH

DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 2
GENERAL
KEY MAP
SHEET 1 OF 2

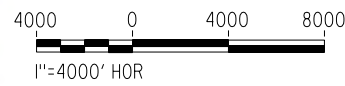
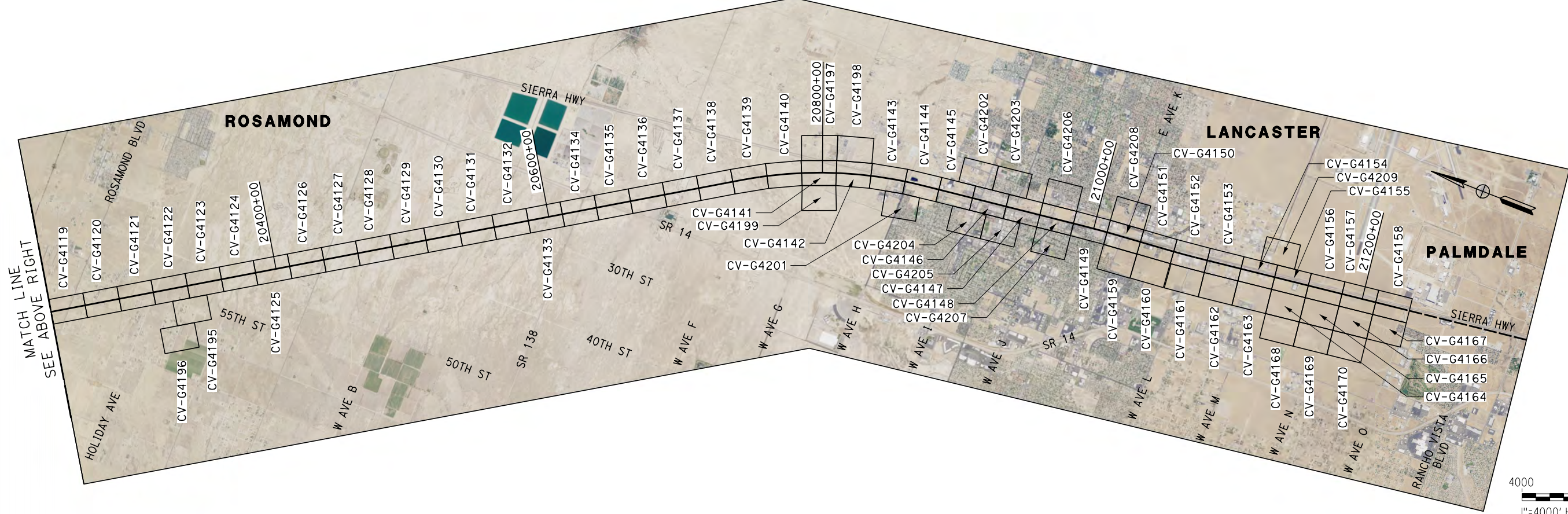
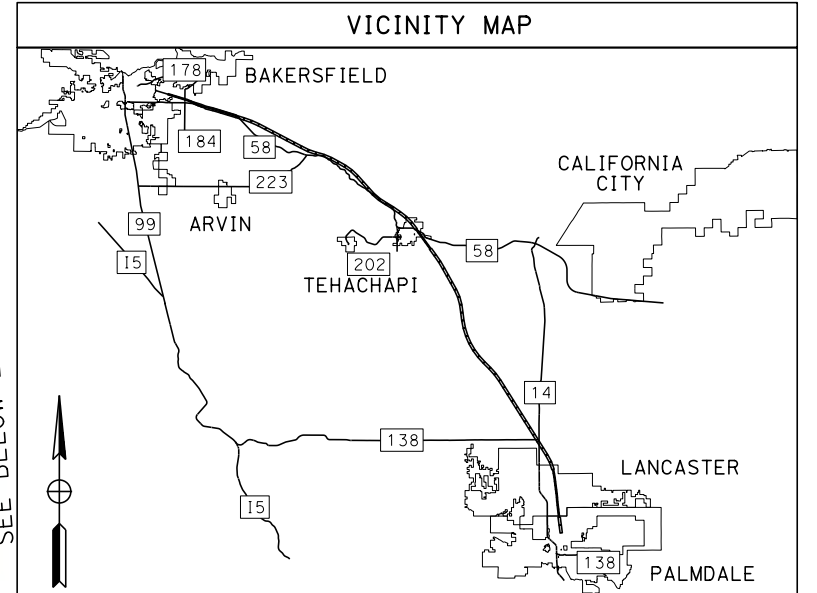
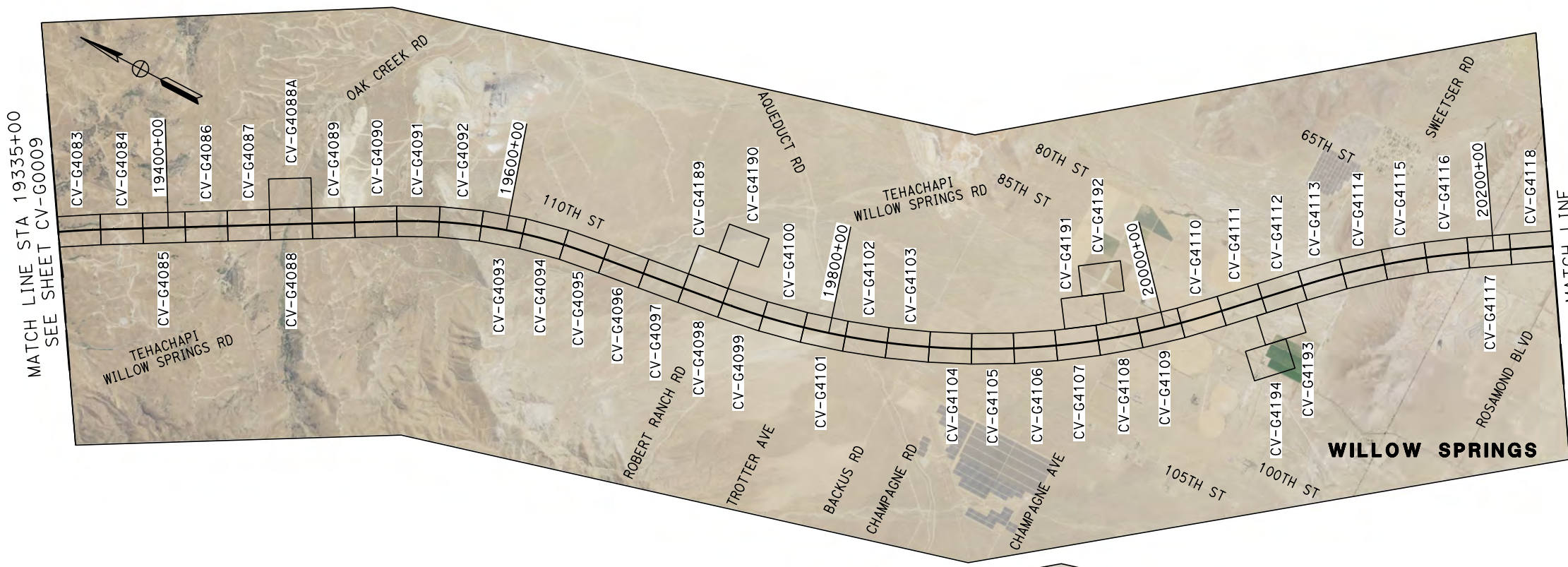
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0009

SCALE
AS SHOWN

SHEET NO.

ALTERNATIVE 2



Projects\701206\00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0010.dgn 11/7/2017 10:59:30 PM OIC:Adodge

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT
DRAWN BY
A. CAROLINO
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

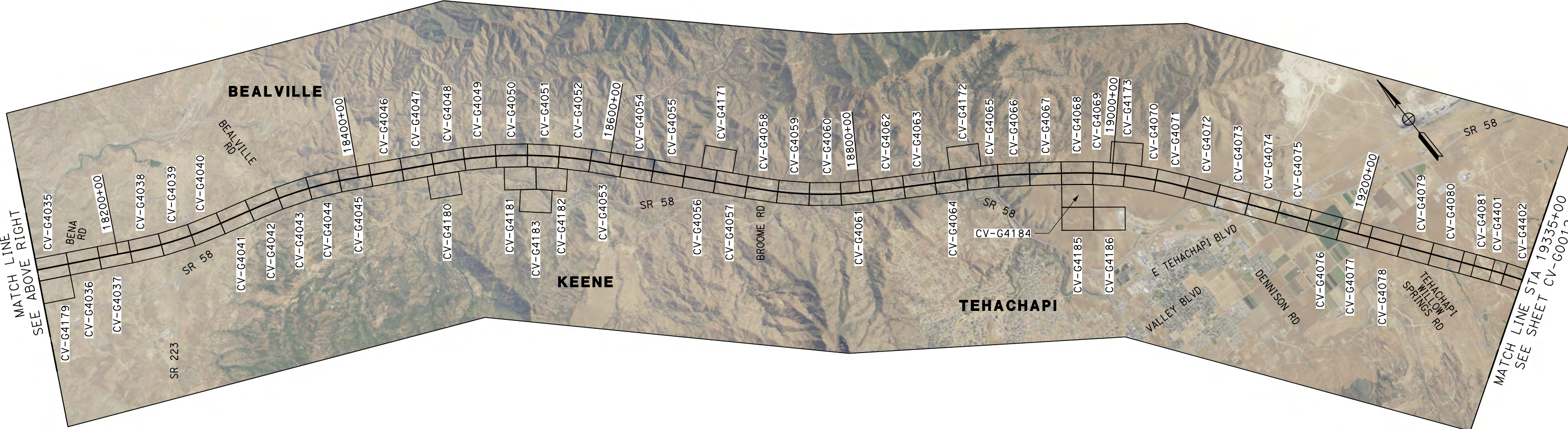
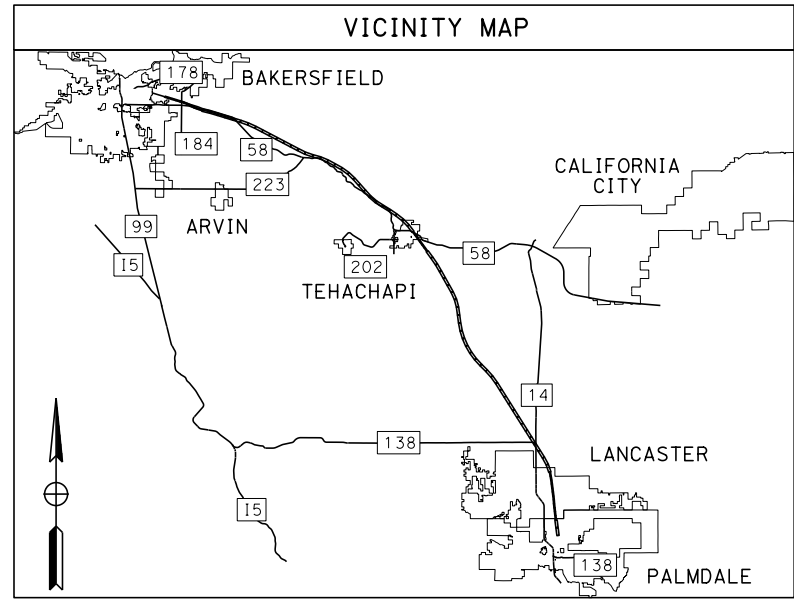
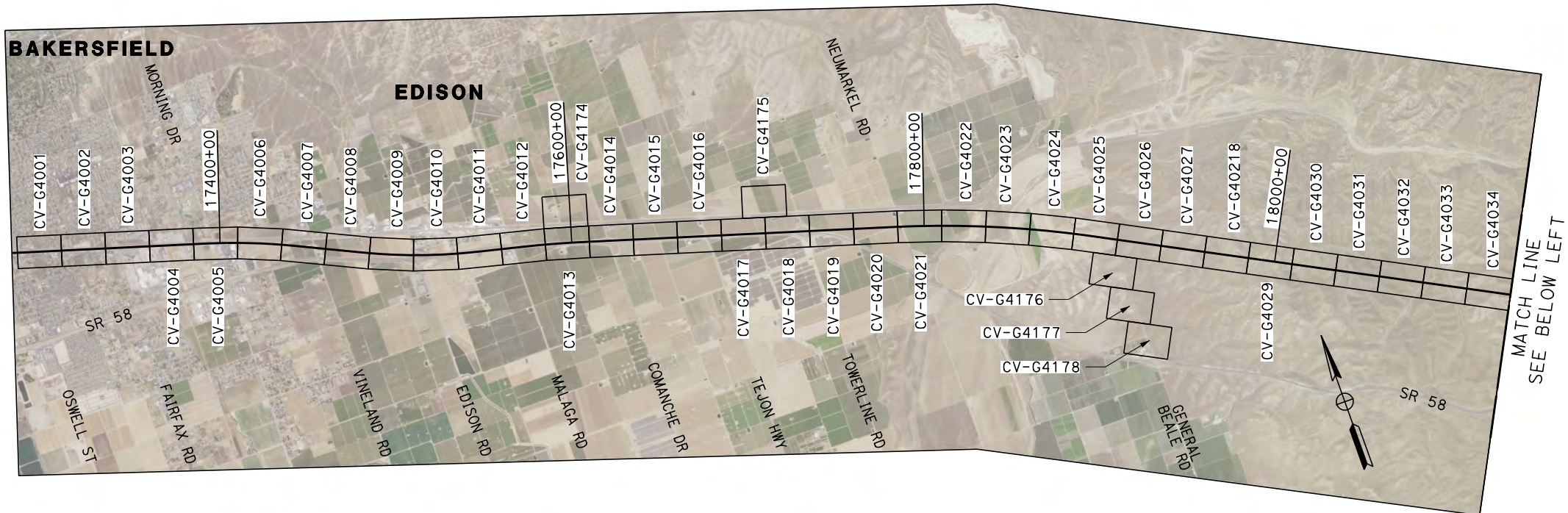


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
GENERAL
KEY MAP
SHEET 2 OF 2

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G0010
SCALE
AS SHOWN
SHEET NO.

ALTERNATIVE 3



Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0011.dgn

OIC:Adodge 11/7/2017 11:01:02 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT

DRAWN BY
A. CAROLINO

CHECKED BY
G. CAMPBELL

IN CHARGE
S. SMITH

DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 3
GENERAL
KEY MAP
SHEET 1 OF 2

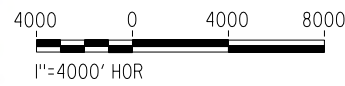
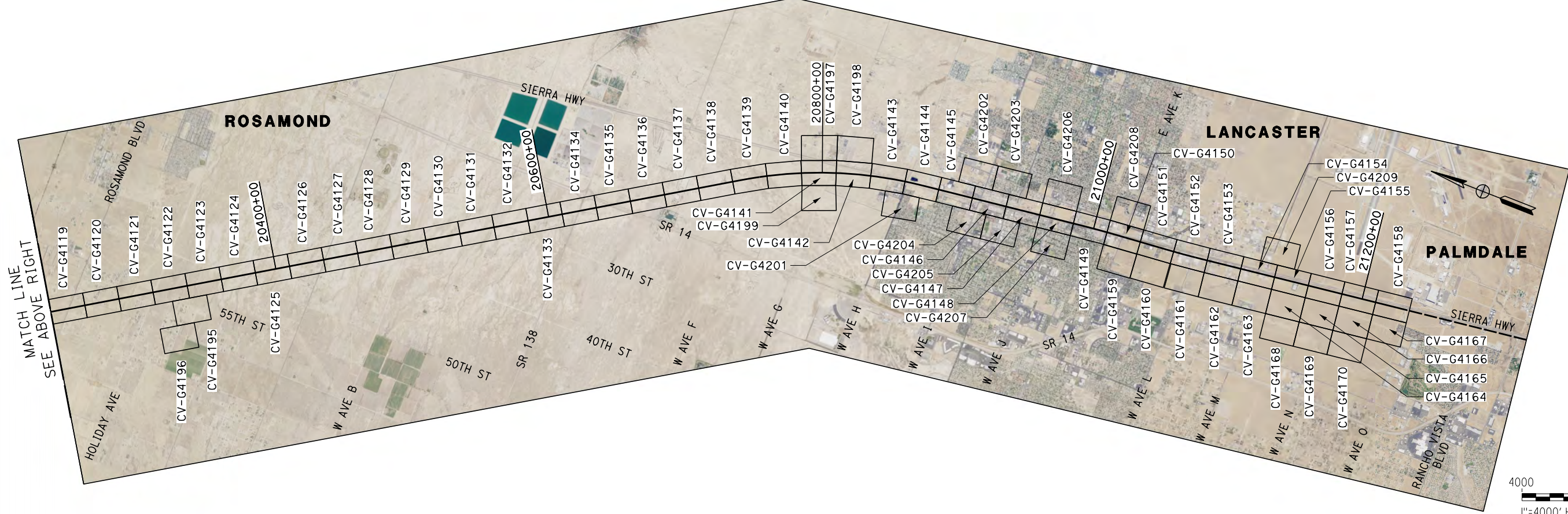
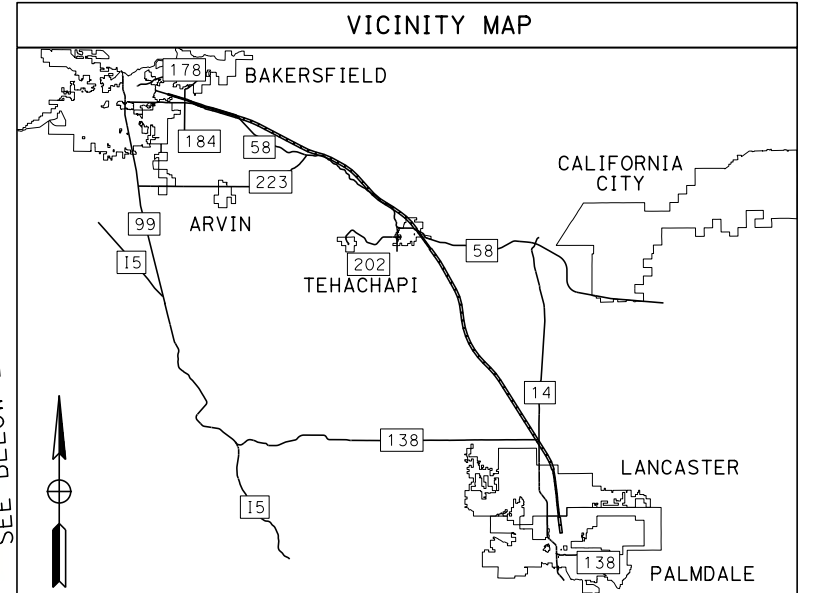
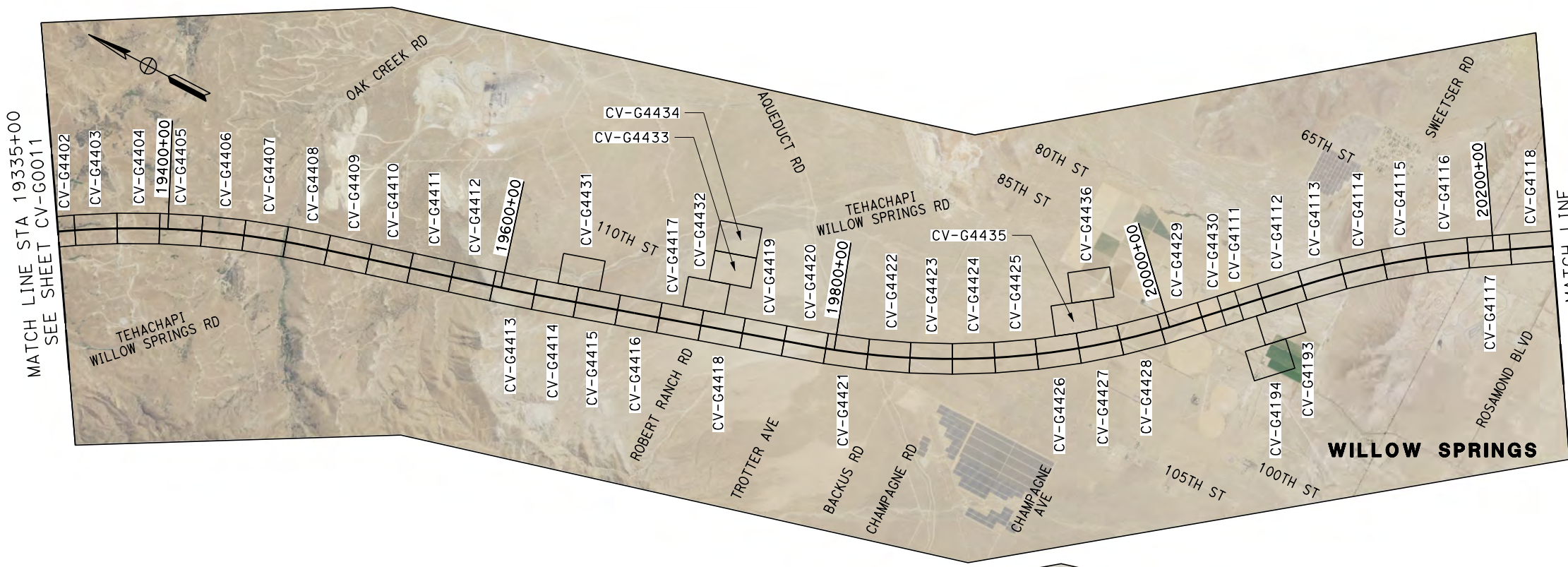
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0011

SCALE
AS SHOWN

SHEET NO.

ALTERNATIVE 3



OIC: Adodge 11/7/2017 10:55:40 PM
 Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0012.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT
 DRAWN BY
A. CAROLINO
 CHECKED BY
G. CAMPBELL
 IN CHARGE
S. SMITH
 DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

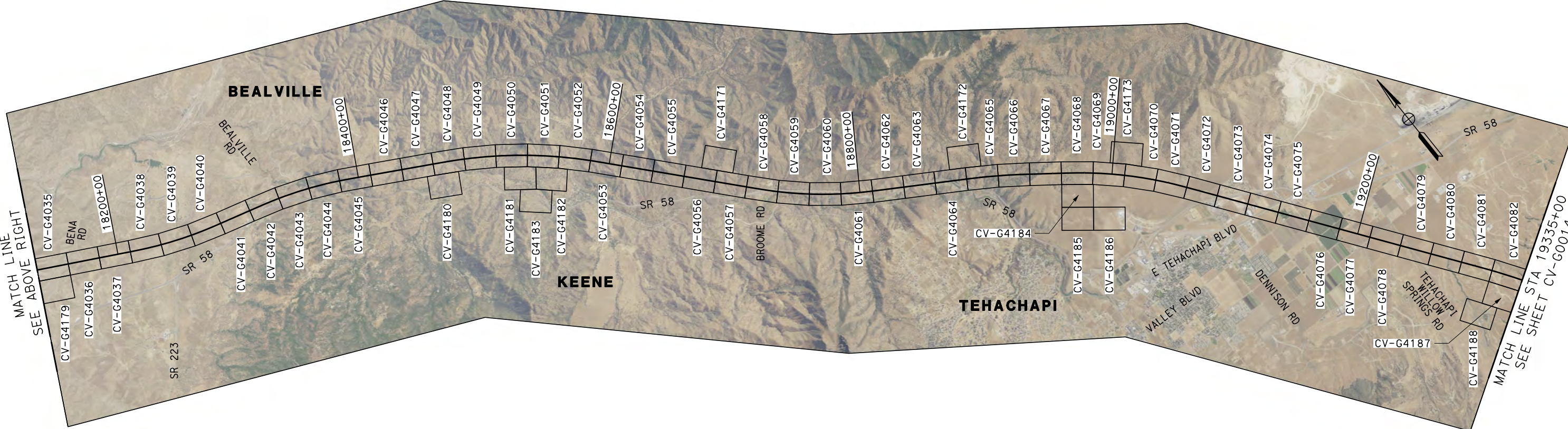
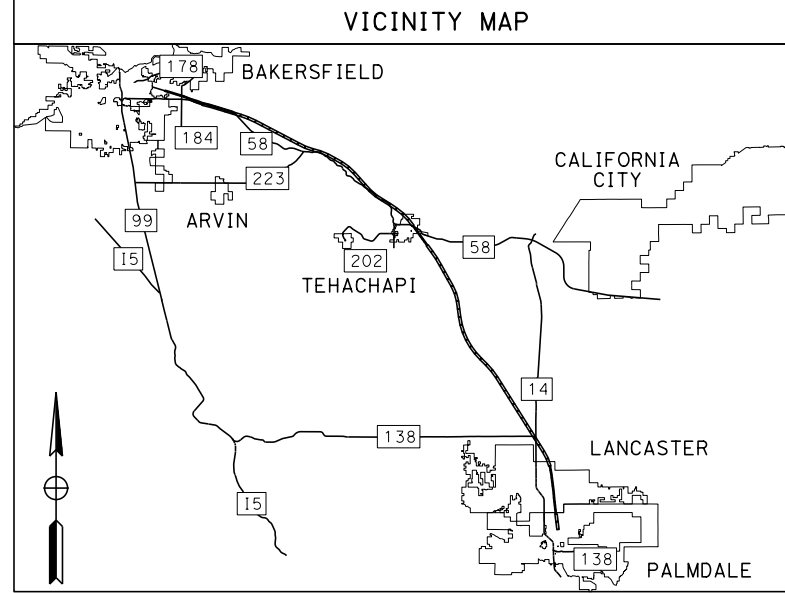
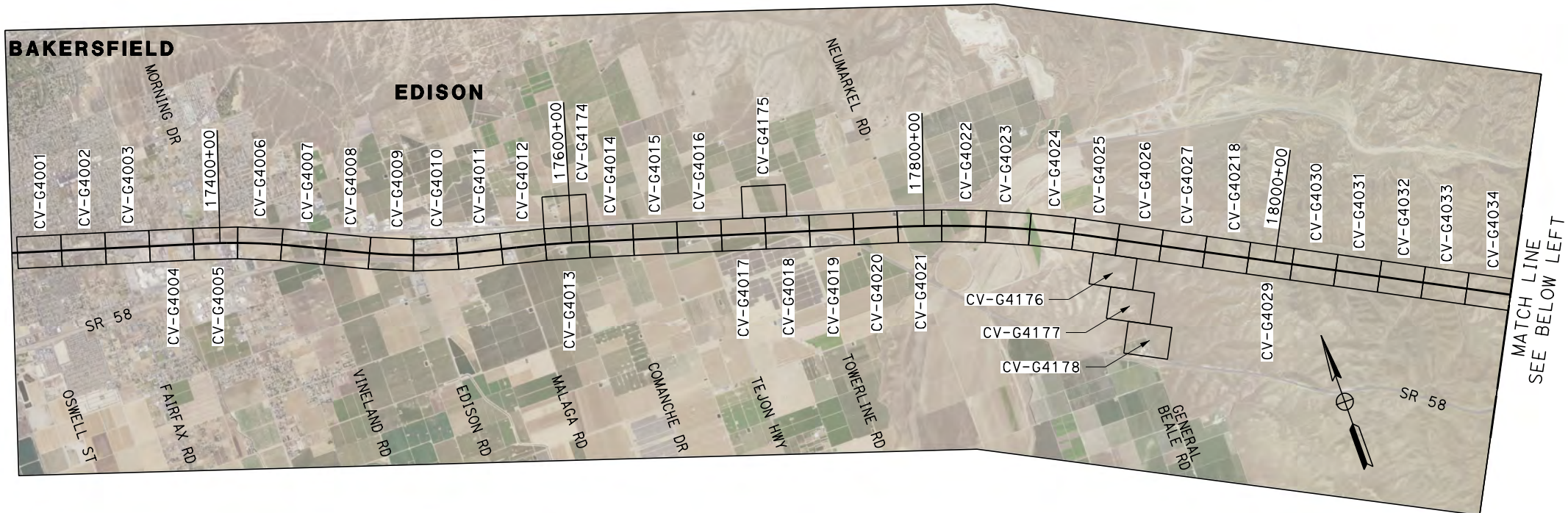
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 3
 GENERAL
 KEY MAP
 SHEET 2 OF 2

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G0012
 SCALE
AS SHOWN
 SHEET NO.

ALTERNATIVE 5



Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0013.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT

DRAWN BY
A. CAROLINO

CHECKED BY
G. CAMPBELL

IN CHARGE
S. SMITH

DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 5
GENERAL
KEY MAP
SHEET 1 OF 2

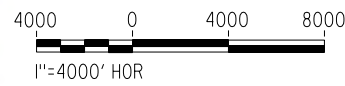
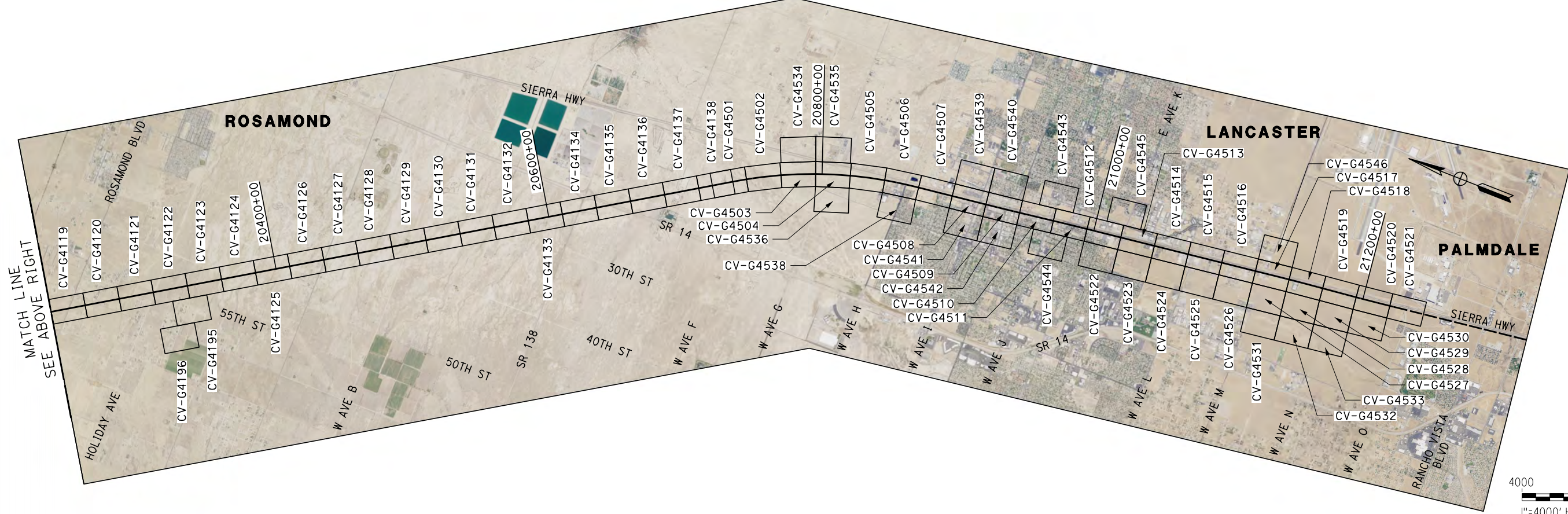
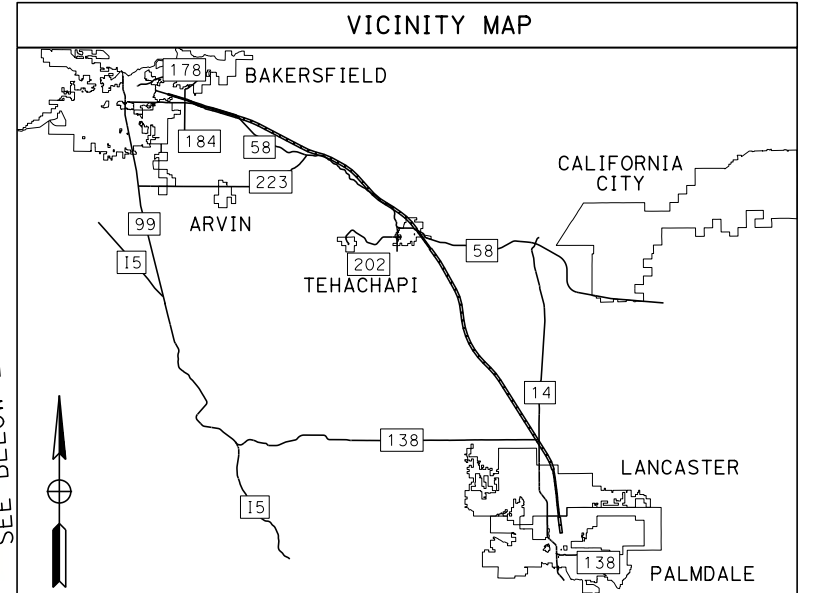
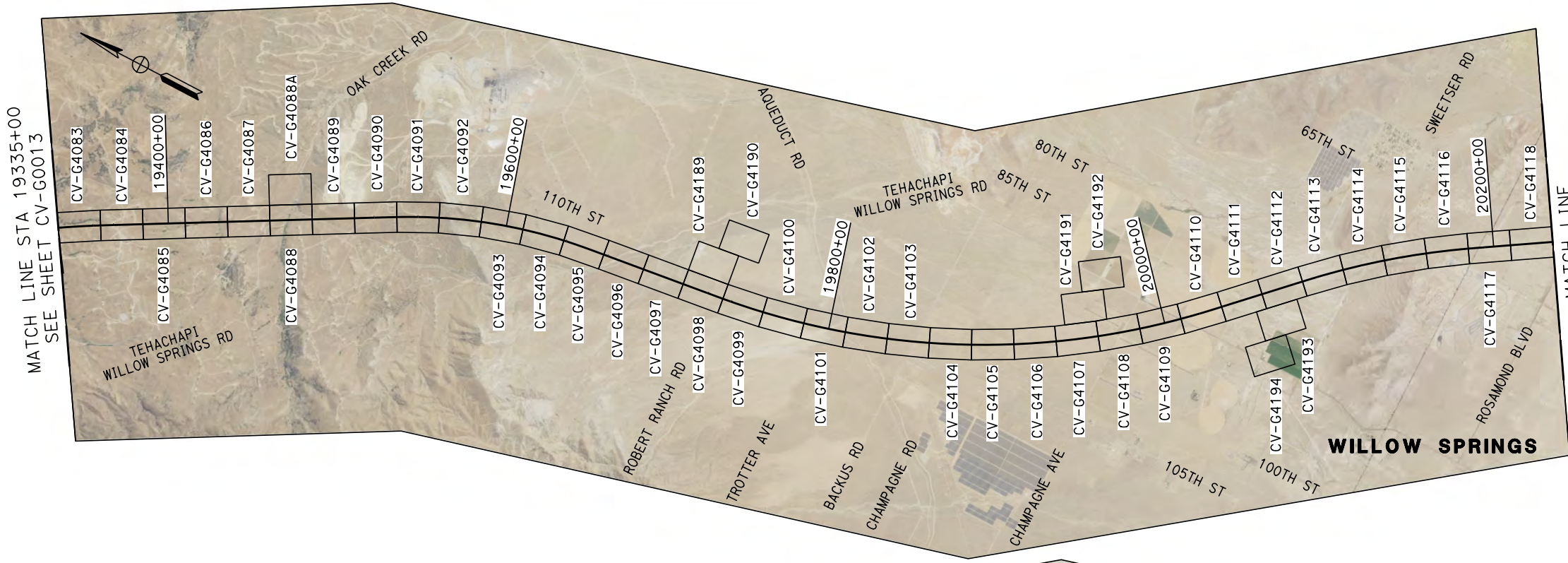
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0013

SCALE
AS SHOWN

SHEET NO.

ALTERNATIVE 5



Projects\701206\00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0014.dgn 11/7/2017 11:05:45 PM OIC:Adodge

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT

DRAWN BY
A. CAROLINO

CHECKED BY
G. CAMPBELL

IN CHARGE
S. SMITH

DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 5
GENERAL
KEY MAP
SHEET 2 OF 2




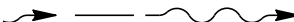






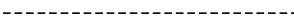
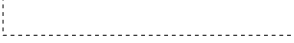
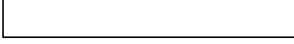
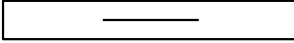



CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G0014

SCALE
AS SHOWN

SHEET NO.

LEGEND

	NORTH ARROW
	OFFSITE DRAINAGE DITCH
	ONSITE DRAINAGE DITCH
	COMBINED DRAINAGE DITCH
	EXISTING STORM DRAIN
	PROPOSED STORM DRAIN
	PROPOSED DRAINAGE BASIN
	DRAINAGE INLETS/OUTLETS
	RETAINING WALL
	CUT GRADING LIMIT
	FILL GRADING LIMIT
	TUNNEL
	VIADUCT
	WILDLIFE CROSSING
	ACCESS ROAD CROSSING PANEL
C	CUT
F	FILL
	REMOVAL OR ABANDONMENT
	100-YEAR FLOODPLAIN BOUNDARY

ABBREVIATIONS

APC	ALTERNATIVE PIPE CULVERT
CIP, C-I-P	CAST-IN-PLACE, CAST IRON PIPE
CIPCP	CAST-IN-PLACE CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
FES	FLARED END SECTION
FG	FINISHED GRADE
FL	FLOW LINE
HSR NB ☉	HIGH SPEED RAIL NORTH BOUND CENTERLINE
HSR SB ☉	HIGH SPEED RAIL SOUTH BOUND CENTERLINE
HW	HEADWALL
LID BMP	LOW IMPACT DEVELOPMENT BEST MANAGEMENT PRACTICE
MH	MANHOLE
MOIF	MAINTENANCE OF INFRASTRUCTURE FACILITY
MOIS	MAINTENANCE OF INFRASTRUCTURE SIDING
PPEF	PROPOSED PERMANENT ENVIRONMENTAL FOOTPRINT
PTEF	PROPOSED TEMPORARY ENVIRONMENTAL FOOTPRINT
OG	ORIGINAL GRADE
OSD	ONSITE STORMWATER DETENTION
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RW	RETAINING WALL
RSP	ROCK SLOPE PROTECTION
S	SLOPE
SD	STORM DRAIN
STA	STATION
LMF	LIGHT MAINTENANCE FACILITY

GENERAL NOTES

NOTES

- CULVERT STATION DESIGNATION IDENTIFIED AS HSR SB CONTROL LINE STATION AT CULVERT INTERSECTION.
- ONSITE BASIN LOCATIONS ARE SCHEMATIC. GRADING TO BE COMPLETED DURING FINAL ENGINEERING.
- PROPOSED FINISHED GRADING IS NOT REFLECTED NEAR TUNNELS, BRIDGE CONES, AND SOME MAINTENANCE FACILITIES/ROADS. GRADED PADS WILL BE PROVIDED DURING FINAL ENGINEERING.
- SLOPE FILL WILL BE USED, AS NEEDED, TO ALLOW FOR POSITIVE ONSITE DITCH DRAINAGE ABOVE THE OFFSITE PROPOSED DRAINAGE CULVERTS. THESE LOCATIONS ARE LABELED "ONSITE DITCH IN FILL."
- SUBSTANTIAL NATURAL WATERCOURSES THAT HAVE BEEN ENCLOSED INTO BY ACCESS ROAD OR TRACK FILL MAY NEED TO BE REALIGNED. THE LATTER ARE LABELED "WATERCOURSE IMPROVEMENTS REQUIRED." THESE LOCATIONS WILL BE FINALIZED DURING FINAL ENGINEERING.
- TRACTION POWER FACILITY GRADING TO BE PROVIDED DURING FINAL ENGINEERING.
- ACCESS ROAD DITCH IMPROVEMENTS TO BE DURING FINAL ENGINEERING.

PROFILE NOTES

- PROFILE CUT ALONG CULVERT ALIGNMENT.
- CULVERT PROFILES, IN SOME CASES, DO NOT REFLECT THE PROPOSED GRADING NEAR A TUNNEL, BRIDGE, AND SOME ACCESS ROADS. PLAN GRADING AND PROFILE TO BE COMPLETED DURING FINAL ENGINEERING.
- CULVERT PROFILES REFLECT PRELIMINARY ONSITE BASIN, DITCH AND/OR LID BMP GRADING TO BE COMPLETED DURING FINAL ENGINEERING.
- WALLS REQUIRED AT THE UPSTREAM ENDS OF CULVERTS TO PREVENT OFFSITE DRAINAGE FROM ENTERING A CUT SECTION OR OVERTOPPING A LOW FILL SECTION ARE NOTED AS WALL. WALL DESIGN TO BE COMPLETED DURING FINAL ENGINEERING.

STORMWATER NOTES

- TRACK AND ACCESS ROAD LID BMP DESIGNS SHALL BE COMPLETED AFTER CONSULTATION WITH THE APPROPRIATE REGULATORY AGENCIES DURING FINAL ENGINEERING.
- ACCESS ROAD CURB(S) SHALL DIRECT STORMWATER TO STORM DRAIN (SD), SLOPE DOWN DRAIN, AND/OR LID BMP. SUPERELEVATE ACCESS ROAD, AS NEEDED TO DIRECT STORMWATER TO LID BMP. BMP DESIGNS TO BE ADDRESSED DURING FINAL ENGINEERING.
- THE ONSITE DITCHES WITHIN TRACK CUT SLOPE SEGMENTS ARE LABELED WITH THE FOLLOWING GLOBAL CALL OUT - "LID BMP."

ROADWAY UNDERCROSSING PUMP STATION NOTES

- ROADWAY UNDERCROSSING PUMP STATION LOCATIONS ARE SCHEMATIC. DESIGNS TO BE COMPLETED DURING FINAL ENGINEERING.
- ROADWAY UNDERCROSSING LID BMP MAY BE USED TO TREAT STORMWATER PRIOR TO DISCHARGING INTO WET-WELL. DESIGNED TO BE COMPLETED DURING FINAL ENGINEERING.

UTILITY NOTES

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

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G0015.dgn

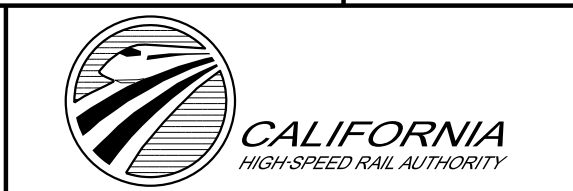
OIC:Adodge 11/7/2017 10:58:36 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY R. KRAFT
DRAWN BY A. CAROLINO
CHECKED BY G. CAMPBELL
IN CHARGE S. SMITH
DATE 10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

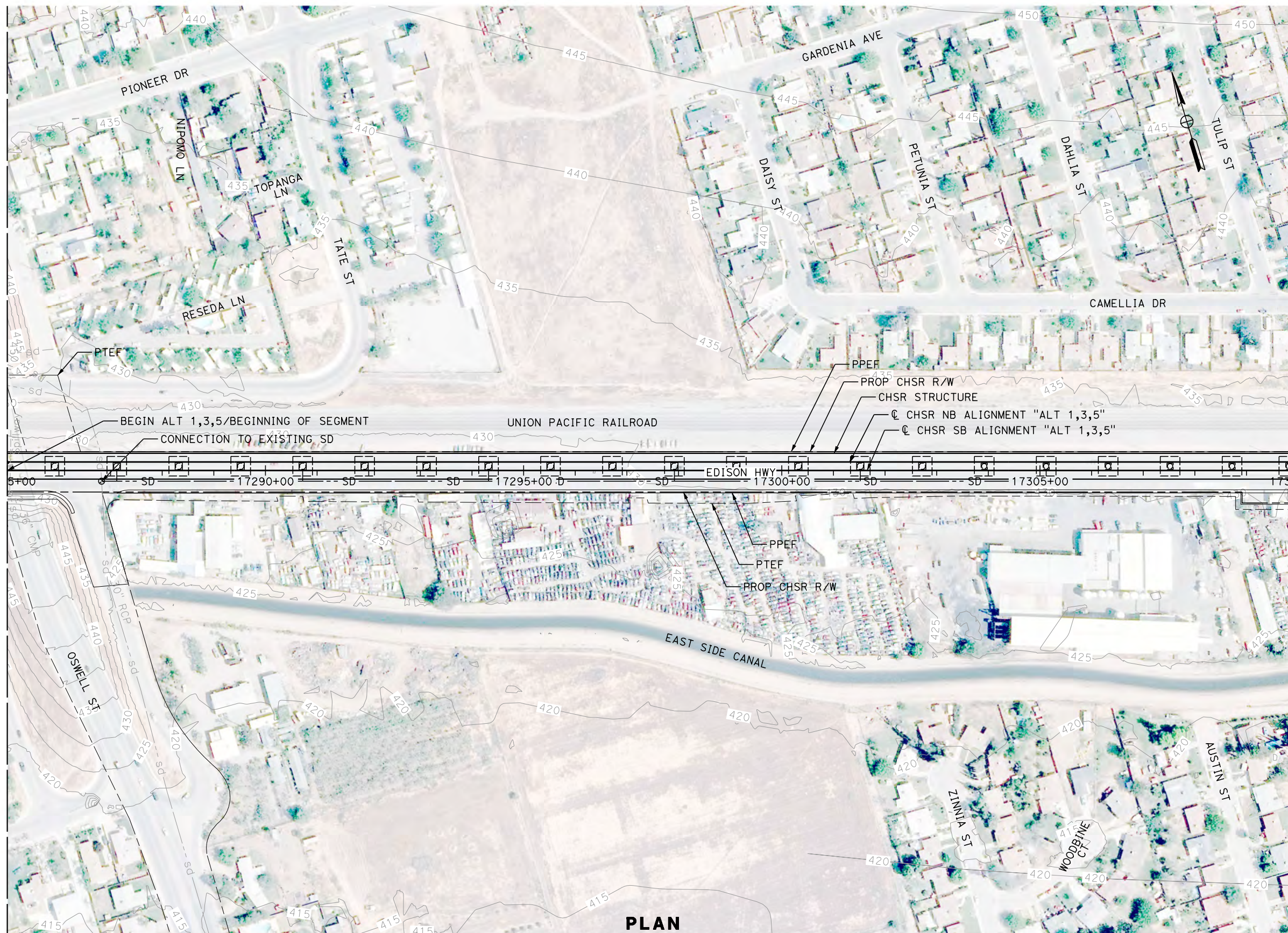


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1,2,3,5
 GENERAL
 LEGEND, ABBREVIATIONS, AND GENERAL NOTES

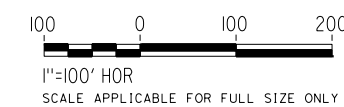
CONTRACT NO. HSR13-44
DRAWING NO. CV-G0015
SCALE AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4001.dgn

OIC:Adodge 11/7/2017 10:59:32 PM



MATCH LINE (CV-G4002)



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

CONTRACT NO.
HSR13-44

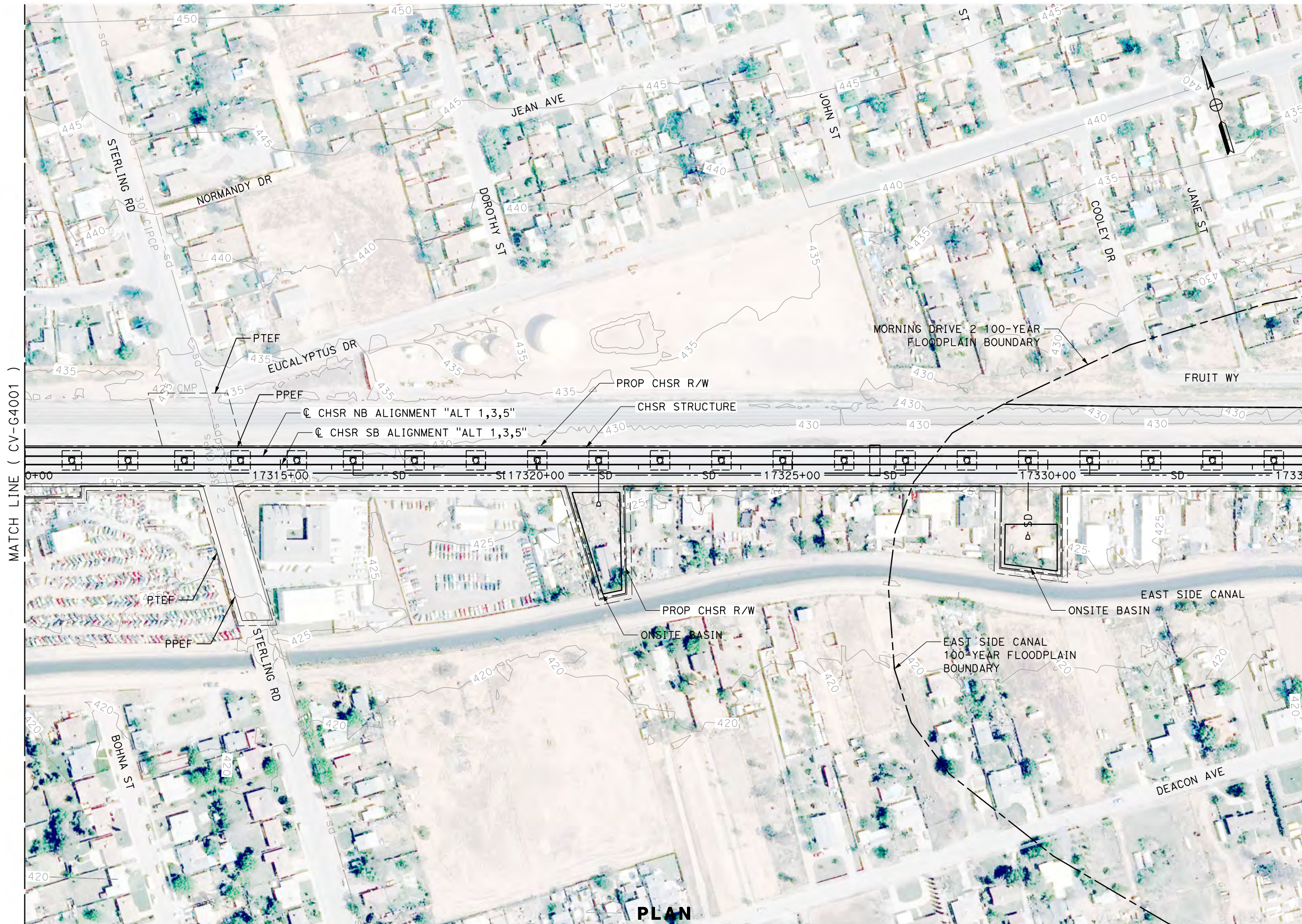
DRAWING NO.
CV-G4001

SCALE
AS SHOWN

SHEET NO.

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4002.dgn

OIC:Adodge 11/8/2017 12:39:19 PM



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

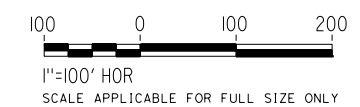
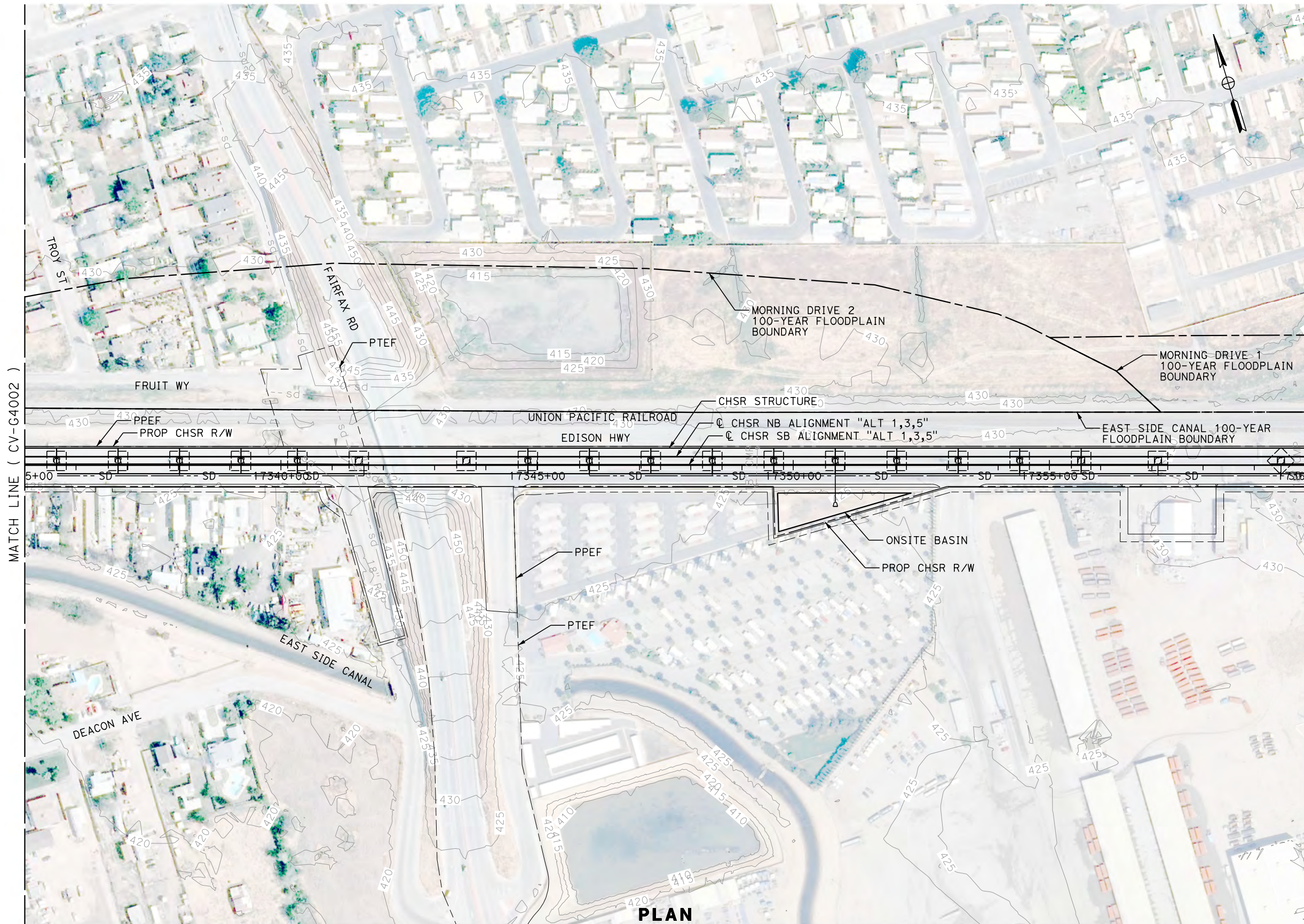


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17310+00 TO 17335+00
PLAN

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

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4003.dgn

OIC:Adodge 11/7/2017 10:54:48 PM



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

CONTRACT NO.
HSR13-44

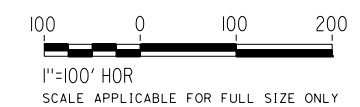
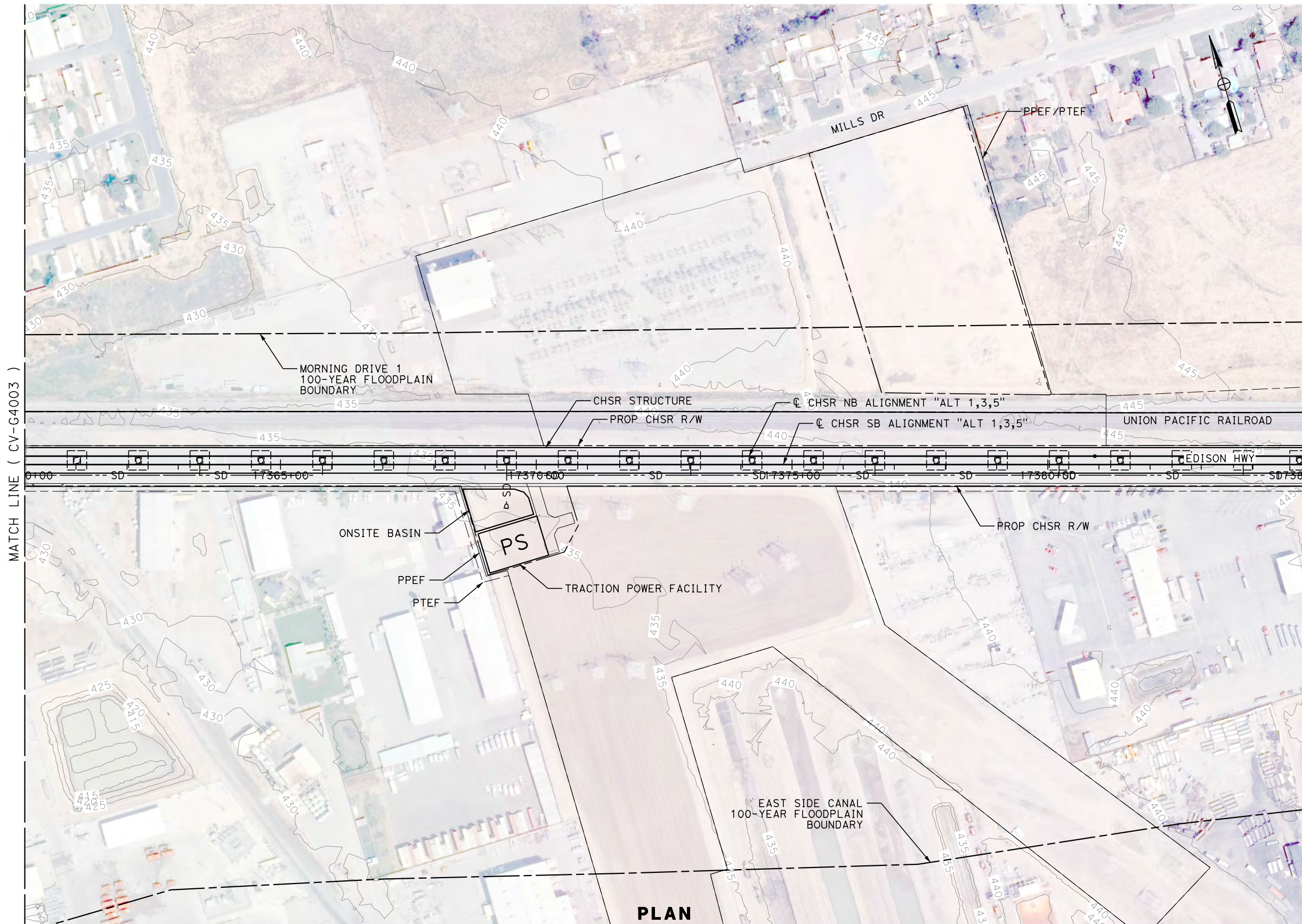
DRAWING NO.
CV-G4003

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4004.dgn

OIC:Adodge 11/7/2017 11:07:36 PM



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



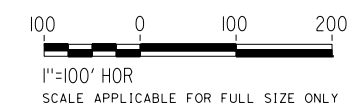
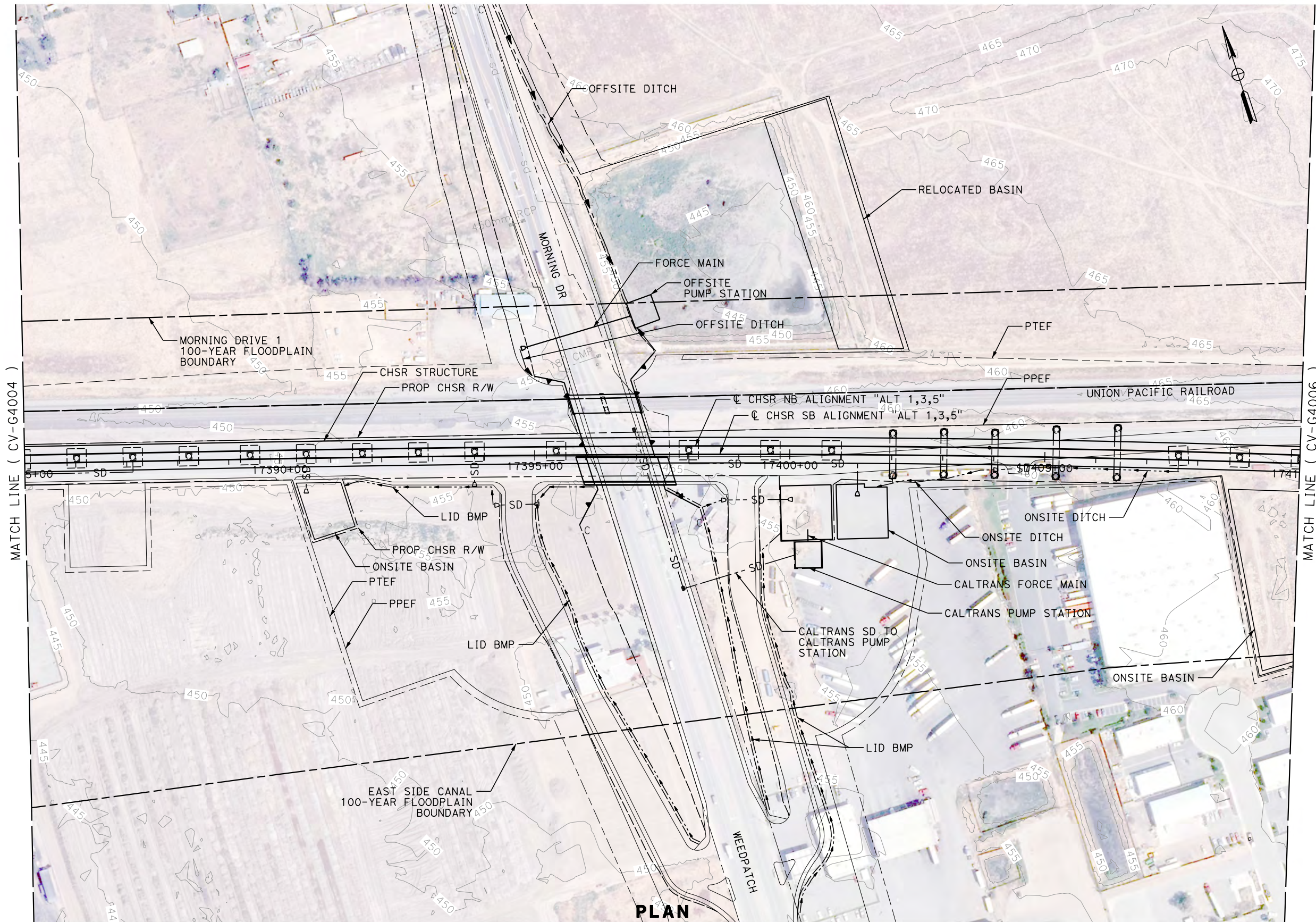
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

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

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

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4005.dgn

OIC:Adodge 11/7/2017 10:58:24 PM



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

CONTRACT NO.
HSR13-44

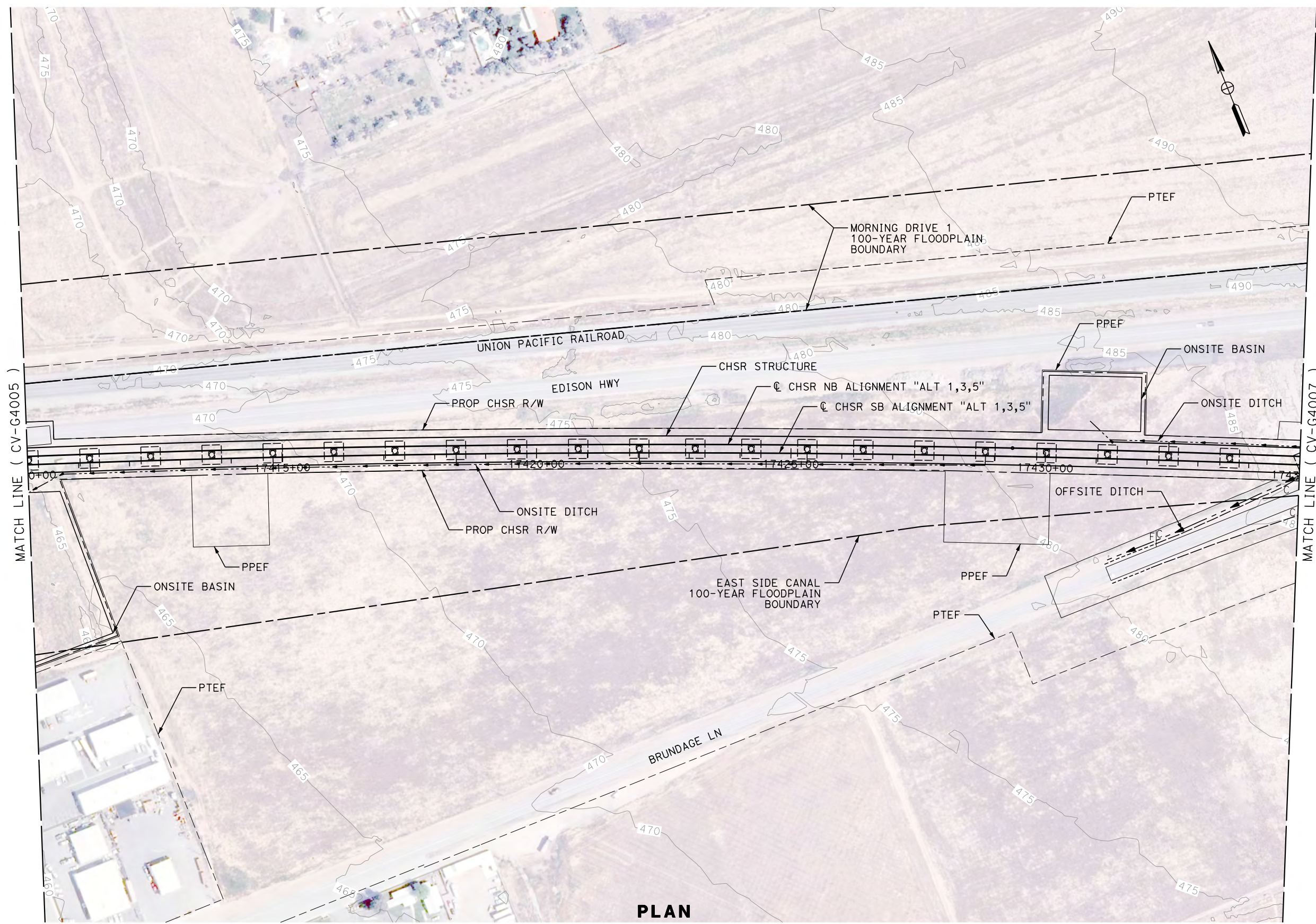
DRAWING NO.
CV-G4005

SCALE
AS SHOWN

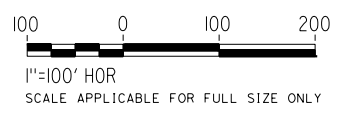
SHEET NO.

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

OIC:Adodge 11/7/2017 10:55:25 PM



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
 DRAWN BY
N. SANDERS
 CHECKED BY
G. CAMPBELL
 IN CHARGE
S. SMITH
 DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

CONTRACT NO.
HSR13-44

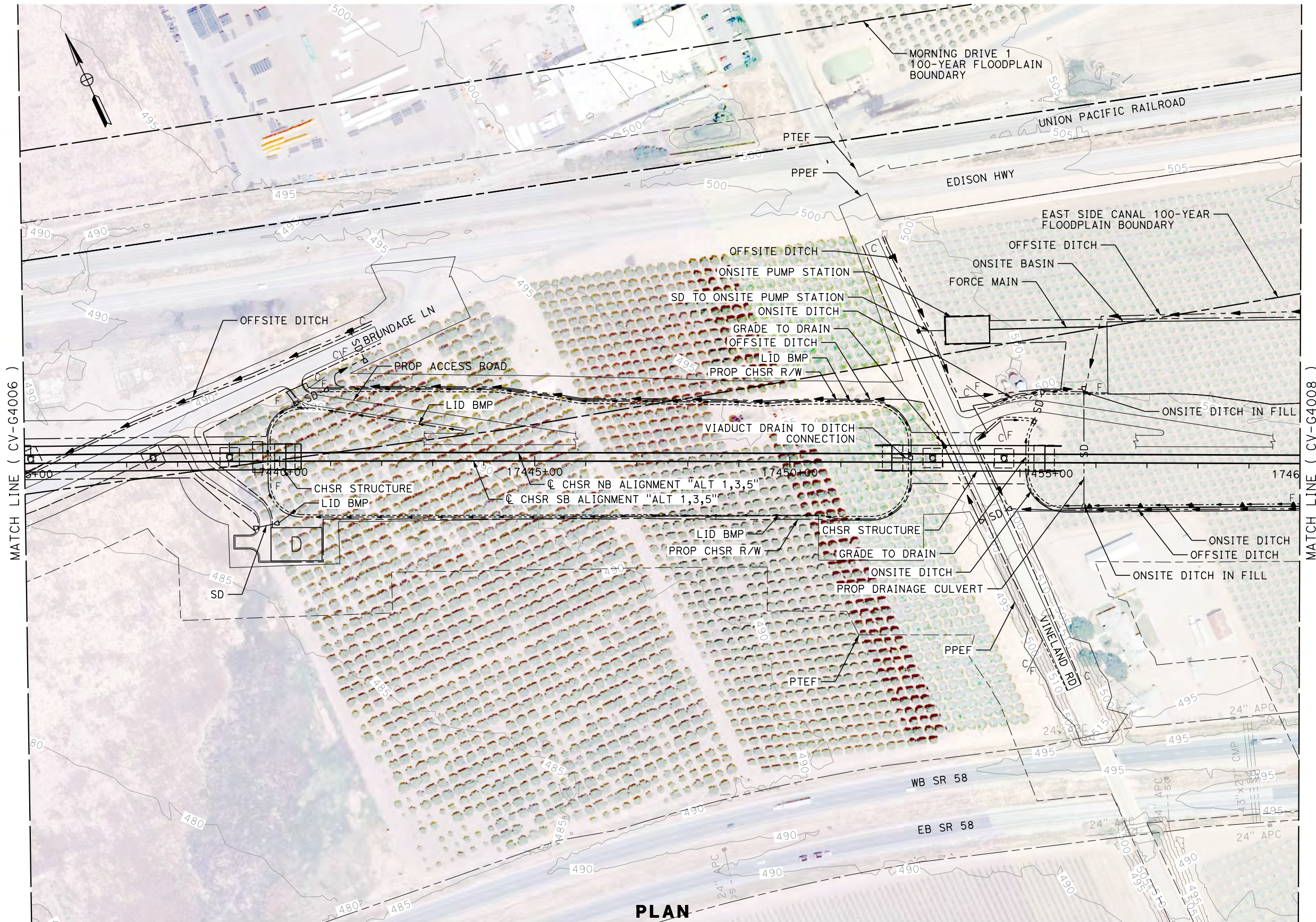
DRAWING NO.
CV-G4006

SCALE
AS SHOWN

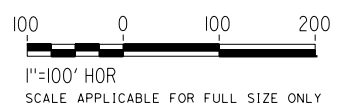
SHEET NO.

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

OIC:Adodge 11/7/2017 11:07:30 PM



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

CONTRACT NO.
HSR13-44

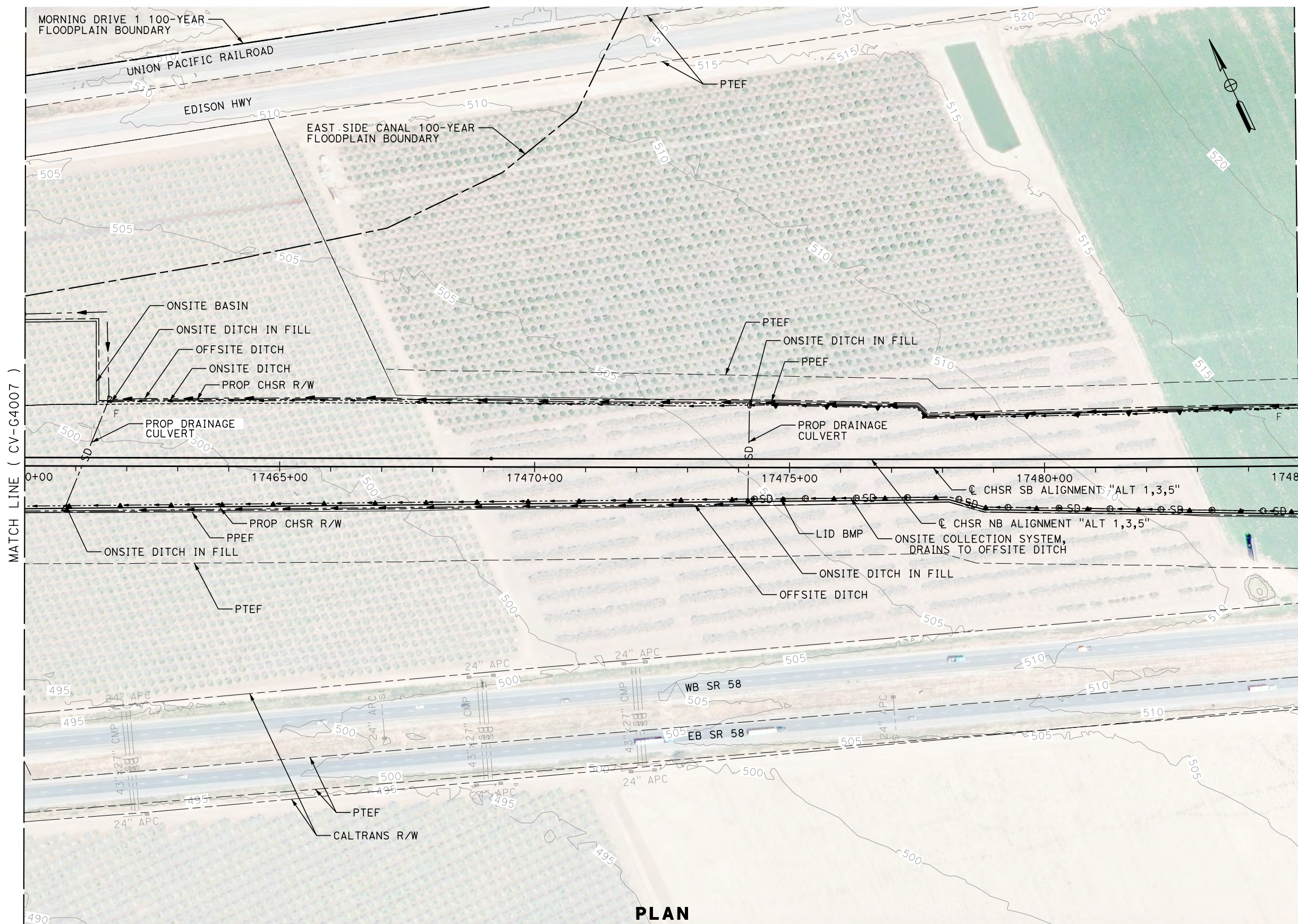
DRAWING NO.
CV-G4007

SCALE
AS SHOWN

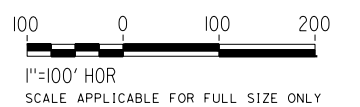
SHEET NO.

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

OIC:Adodge 11/7/2017 11:01:26 PM



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



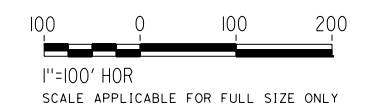
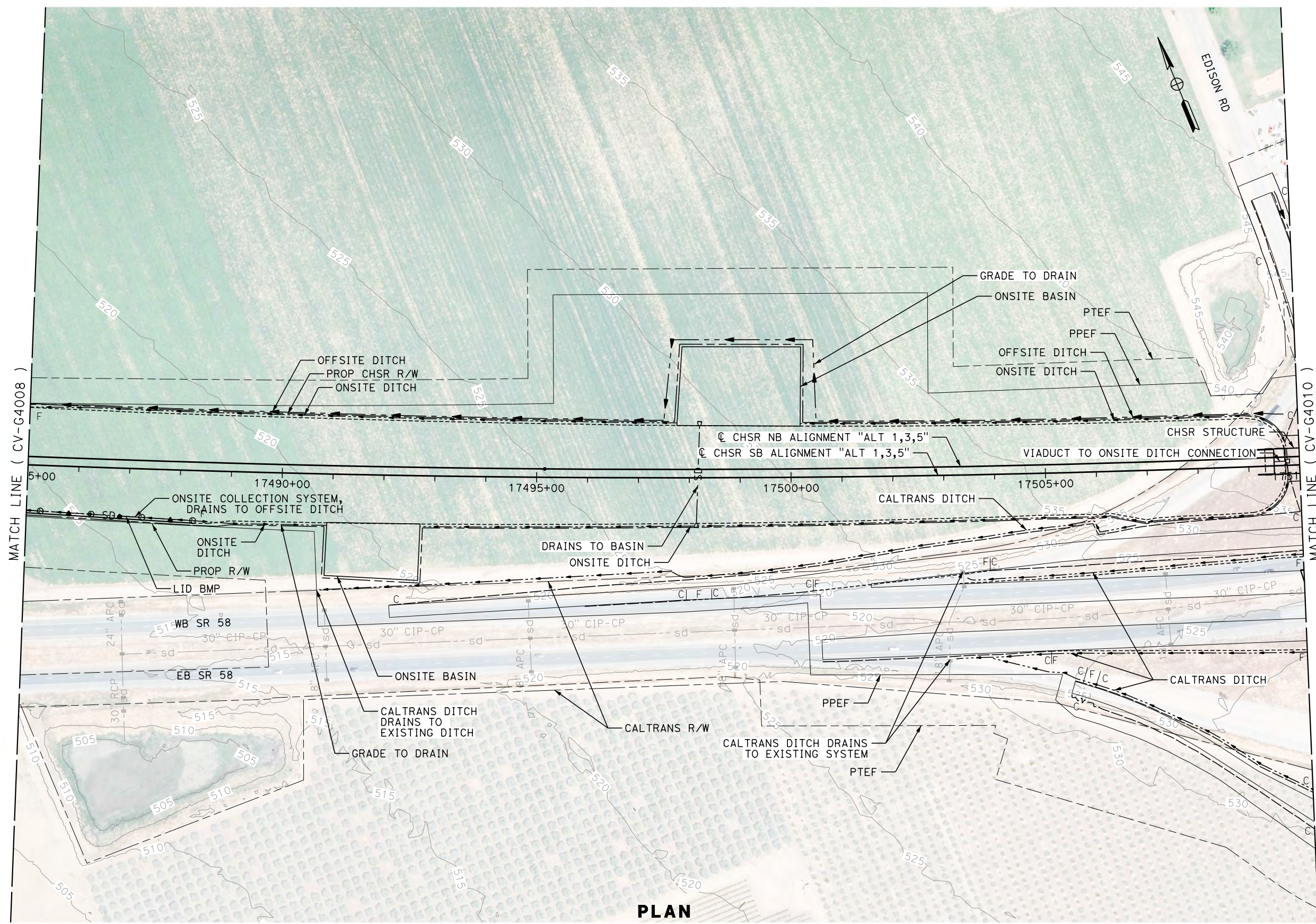
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17460+00 TO 17485+00
PLAN

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

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4009.dgn

OIC:Adodge 11/7/2017 11:00:16 PM



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

CONTRACT NO.
HSR13-44

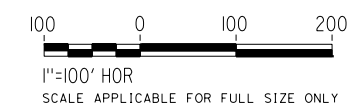
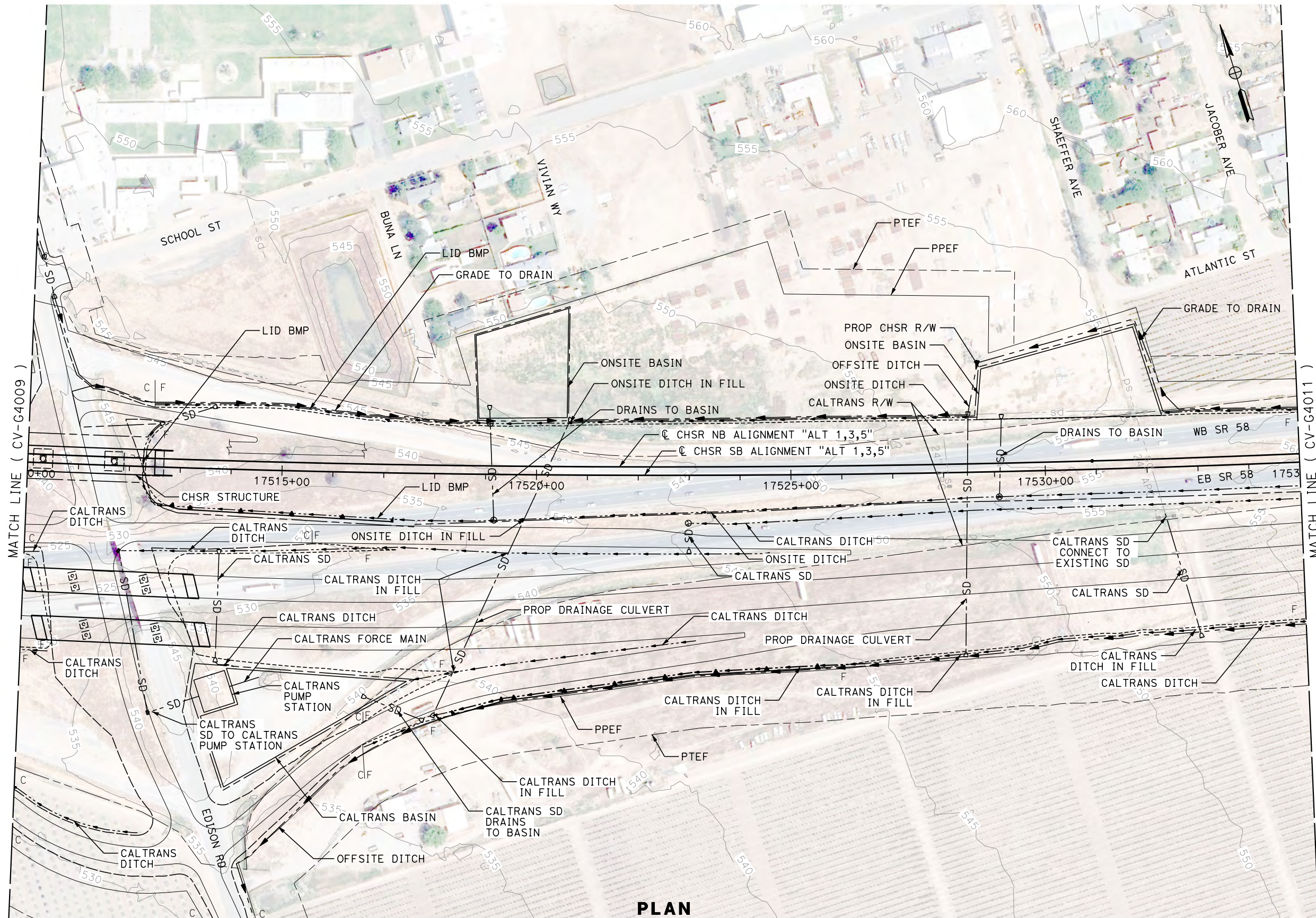
DRAWING NO.
CV-G4009

SCALE
AS SHOWN

SHEET NO.

Projects\701206_00_CHSRBP\00_CADD_Sheet_Files\CV\G\BP-CV-G4010.dgn

OIC:Adodge 11/7/2017 11:11:01 PM



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

CONTRACT NO.
HSR13-44

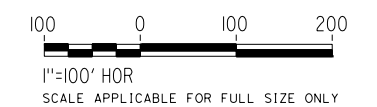
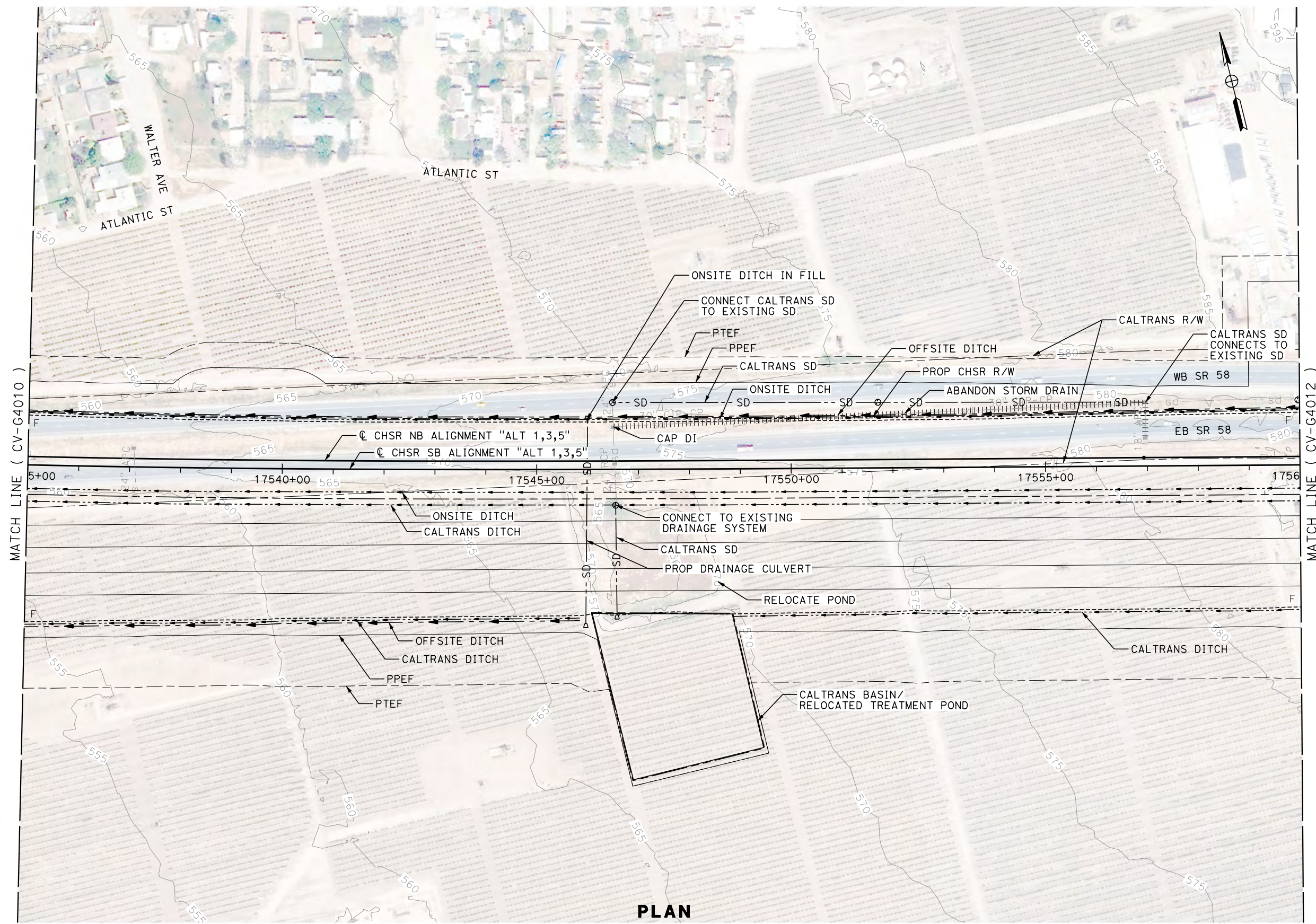
DRAWING NO.
CV-G4010

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4011.dgn

OIC:Adodge 11/7/2017 10:58:27 PM



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

CONTRACT NO.
HSR13-44

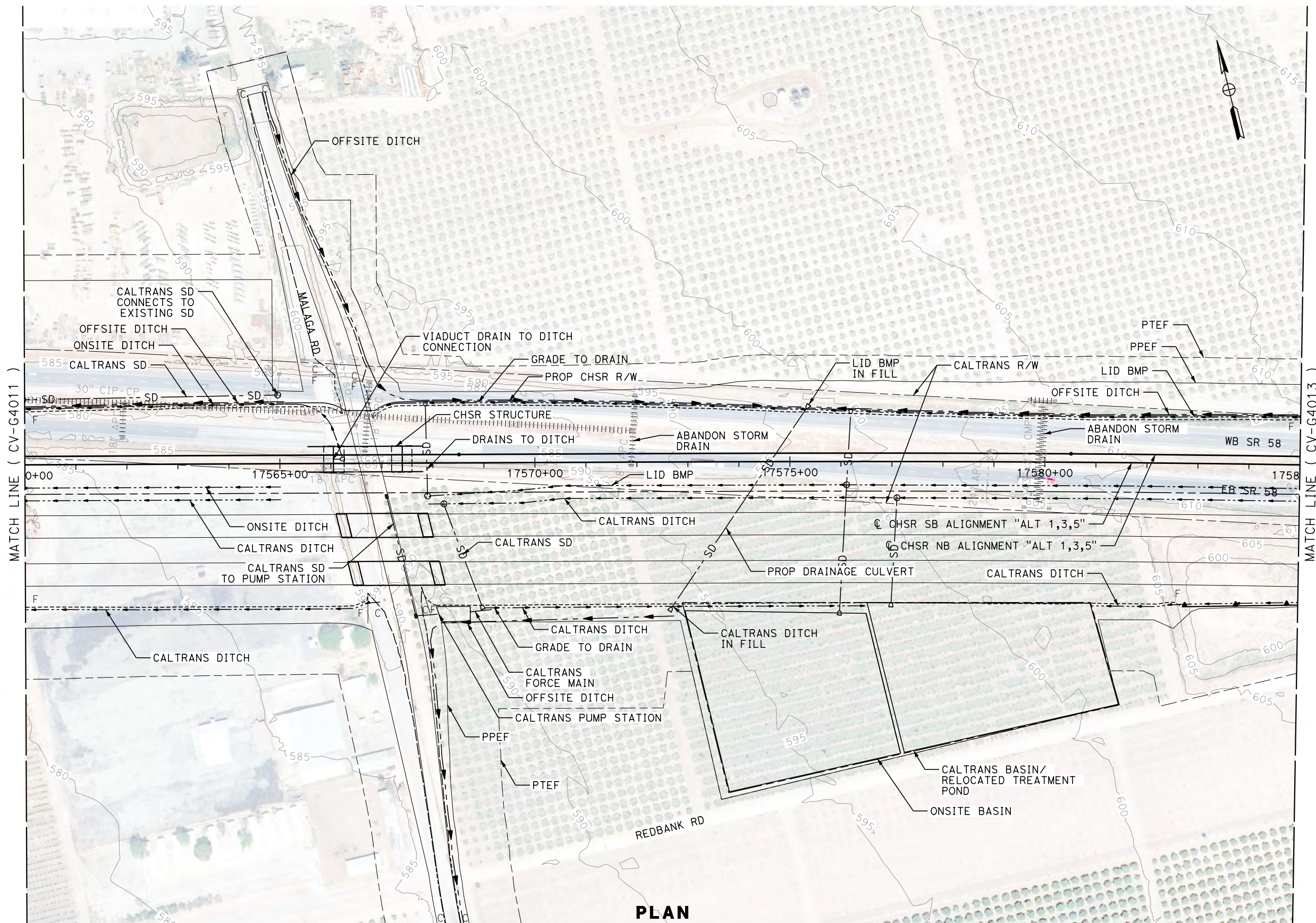
DRAWING NO.
CV-G4011

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4012.dgn

11/8/2017 12:39:18 PM
OIC:Adodge



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G4012

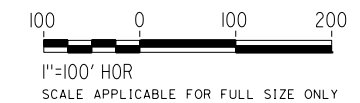
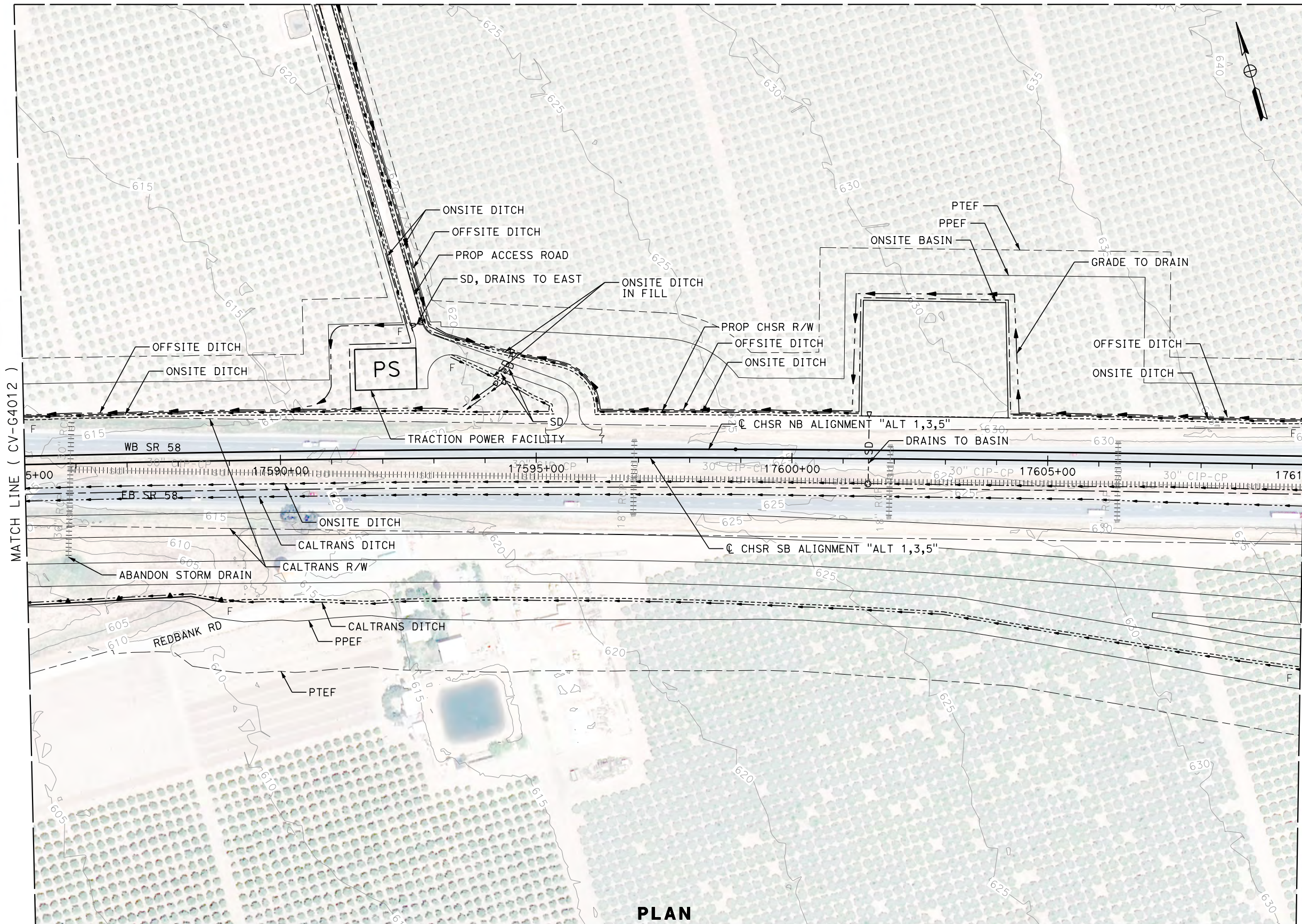
SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\NG\BP-CV-G4013.dgn

OIC:Adodge 11/7/2017 11:08:58 PM

MATCH LINE (CV-G4174)



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

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

CONTRACT NO.
HSR13-44

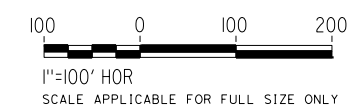
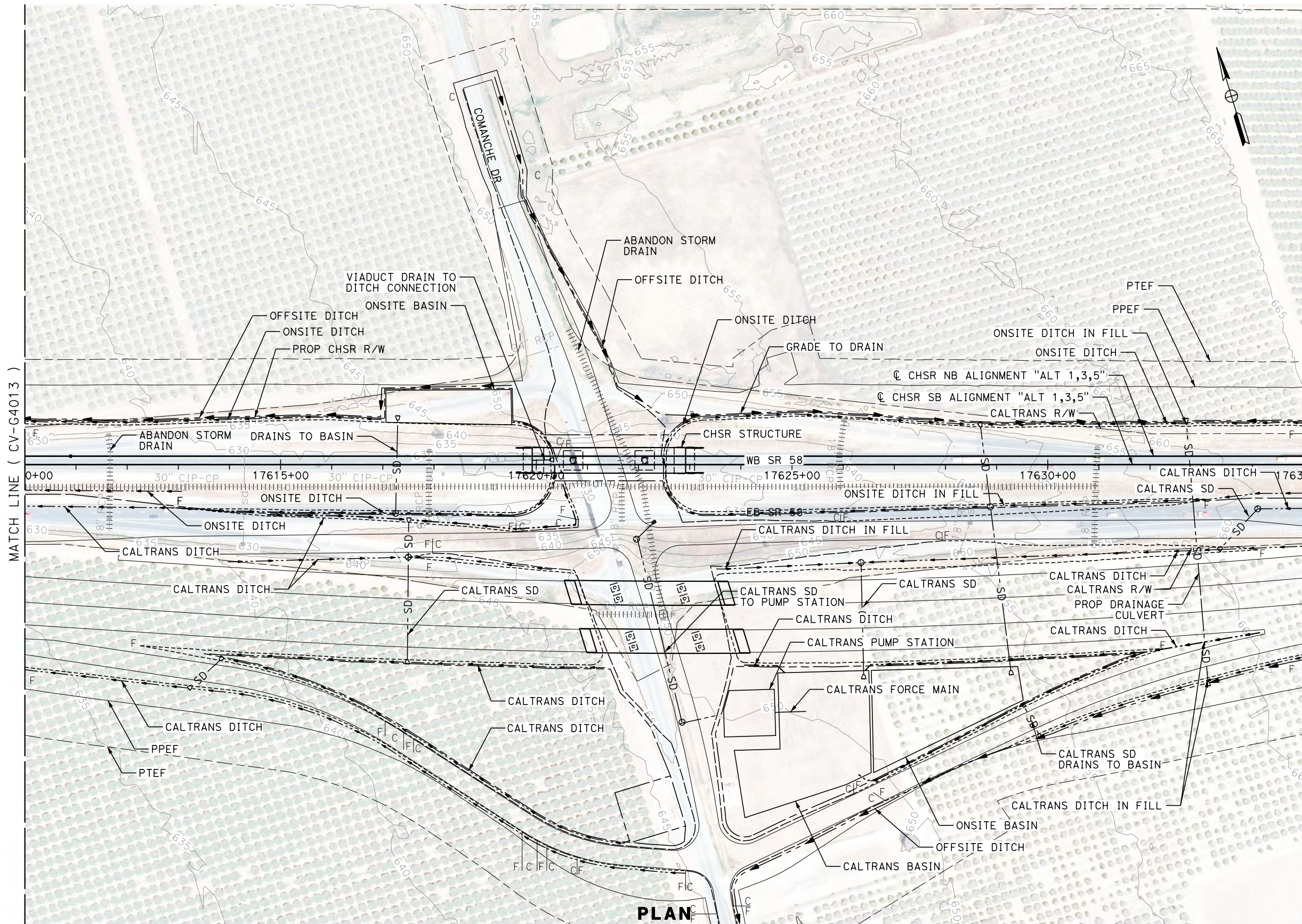
DRAWING NO.
CV-G4013

SCALE
AS SHOWN

SHEET NO.

Projects\701206_00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4014.dgn

OIC:Adodge 11/7/2017 11:02:22 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



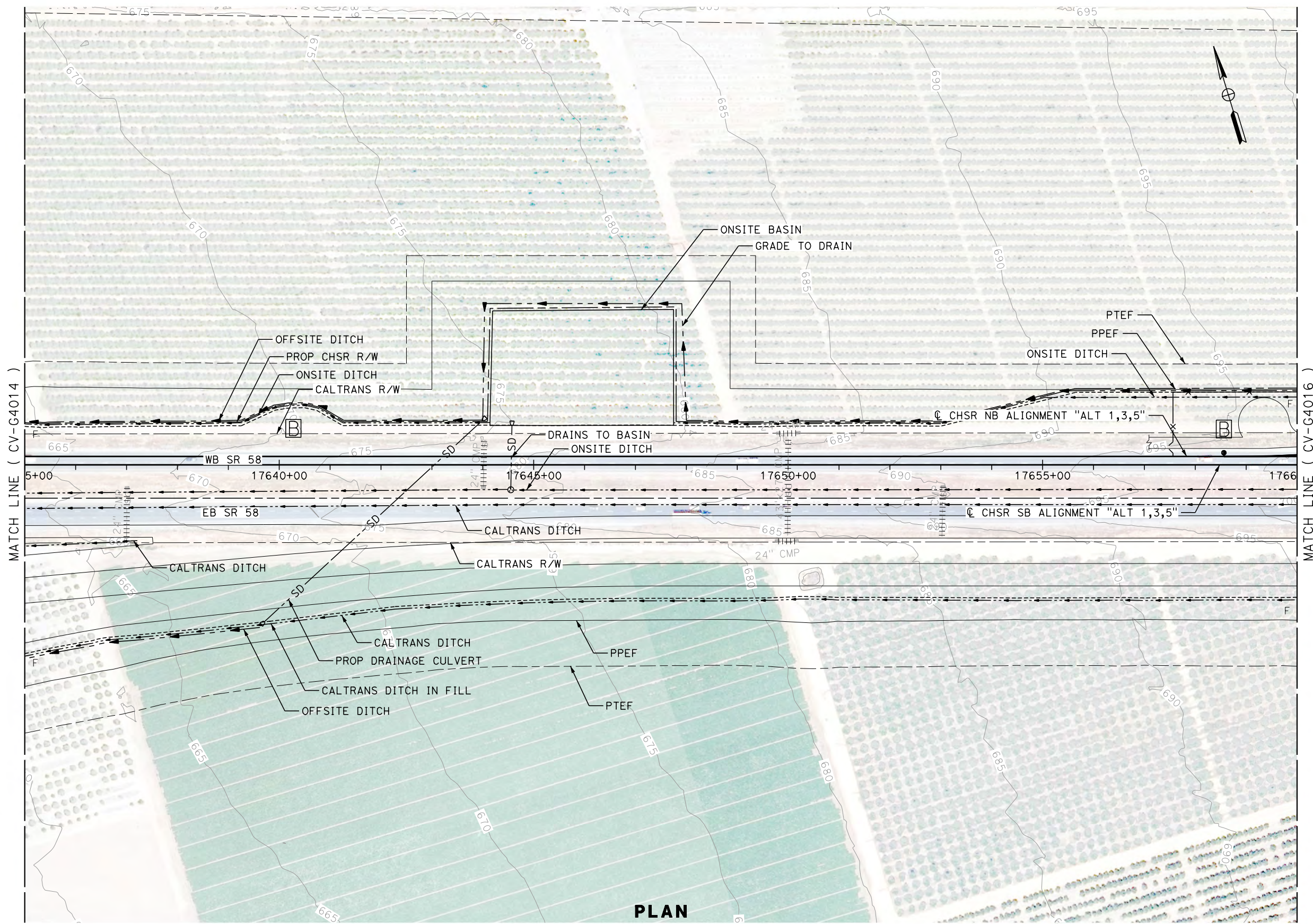
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17610+00 TO 17635+00
PLAN

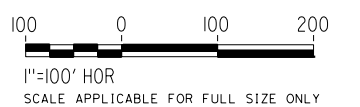
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4014
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4015.dgn

OIC:Adodge 11/7/2017 11:11:11 PM



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



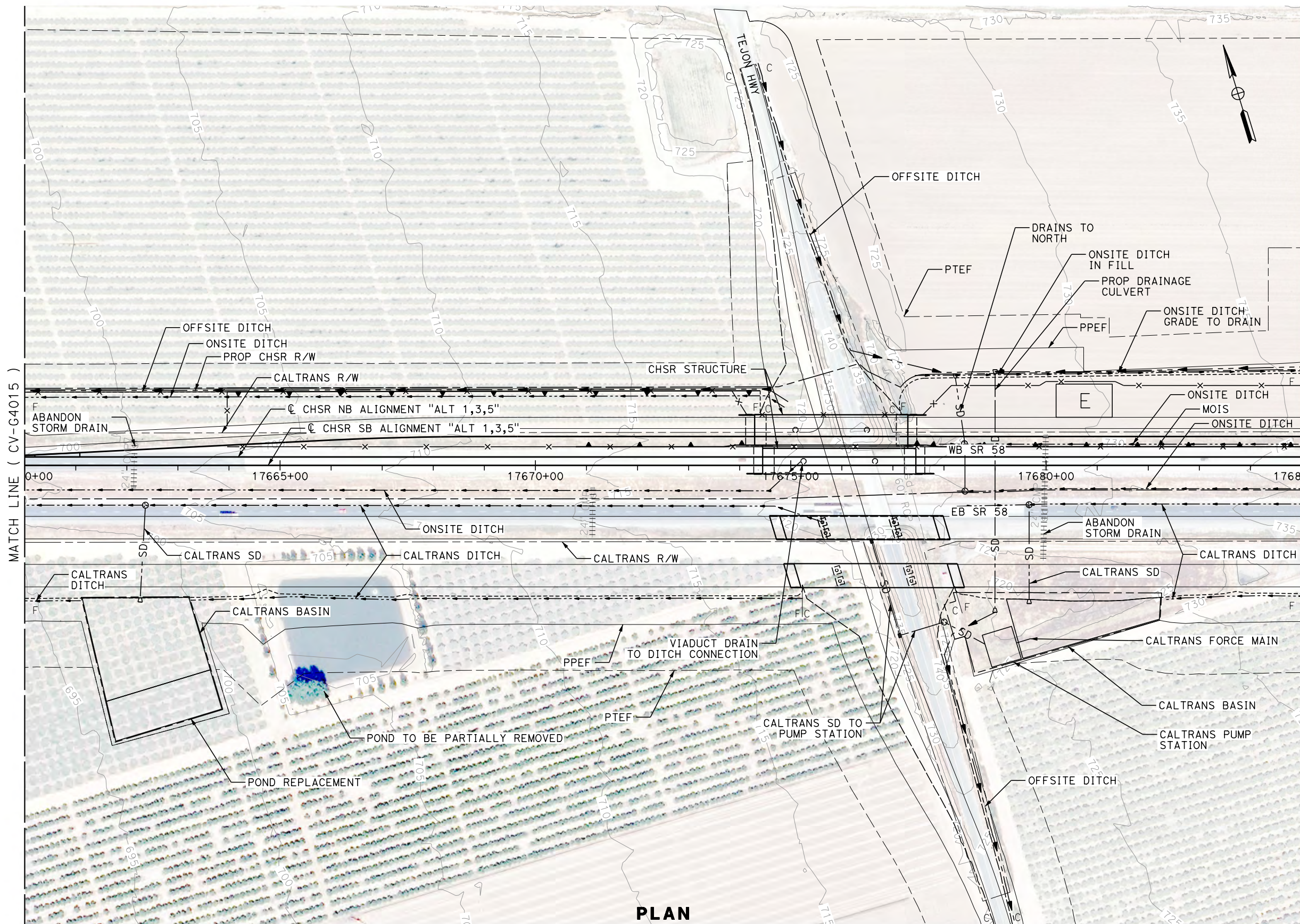
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

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

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

Projects\701206_00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4016.dgn

11/7/2017 10:32:09 PM



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



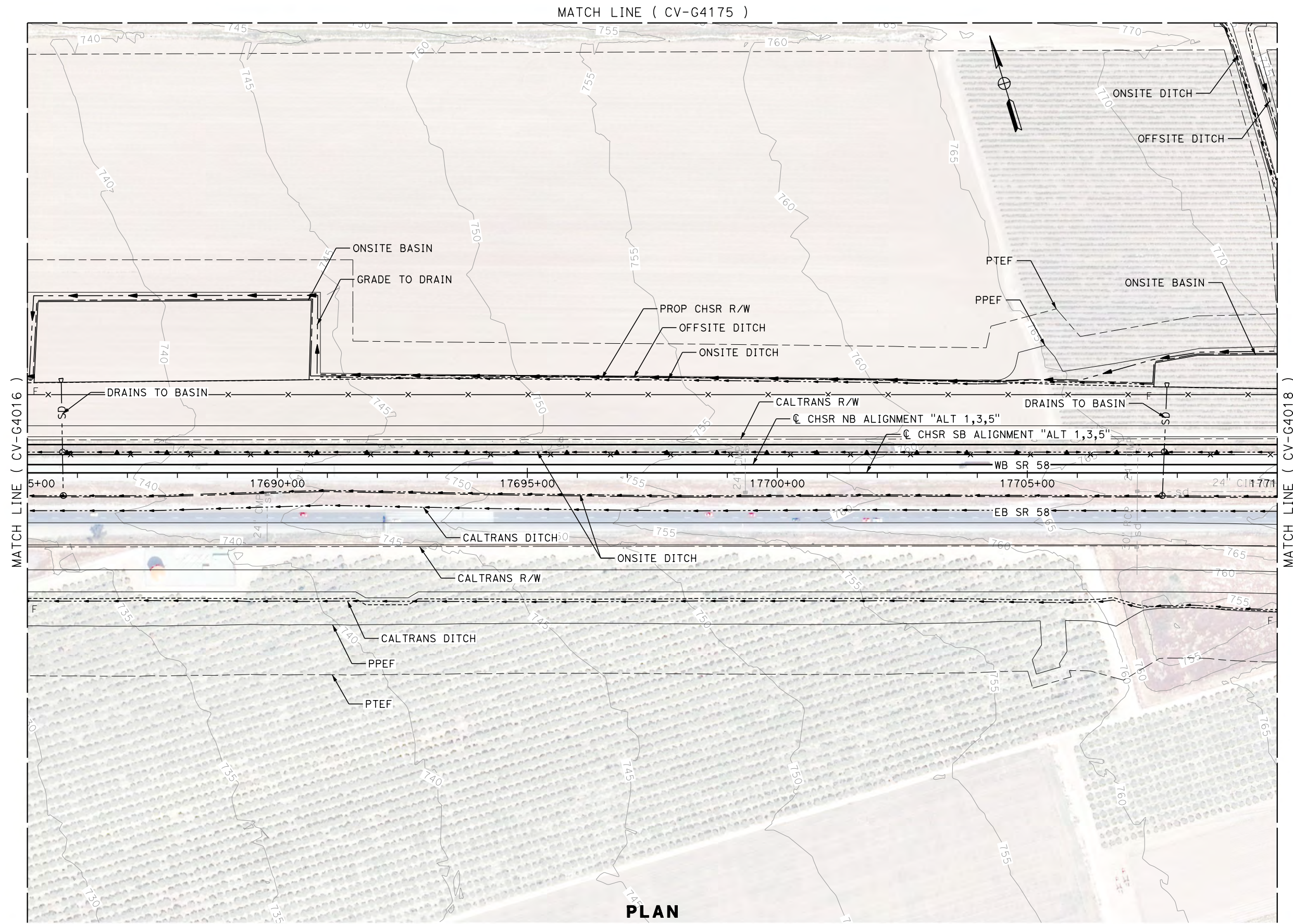
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

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

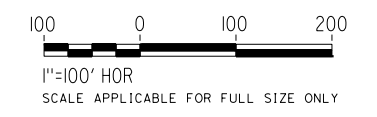
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4016
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\G_BP-CV-G4017.dgn

OIC:Adodge 11/7/2017 10:34:54 PM



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

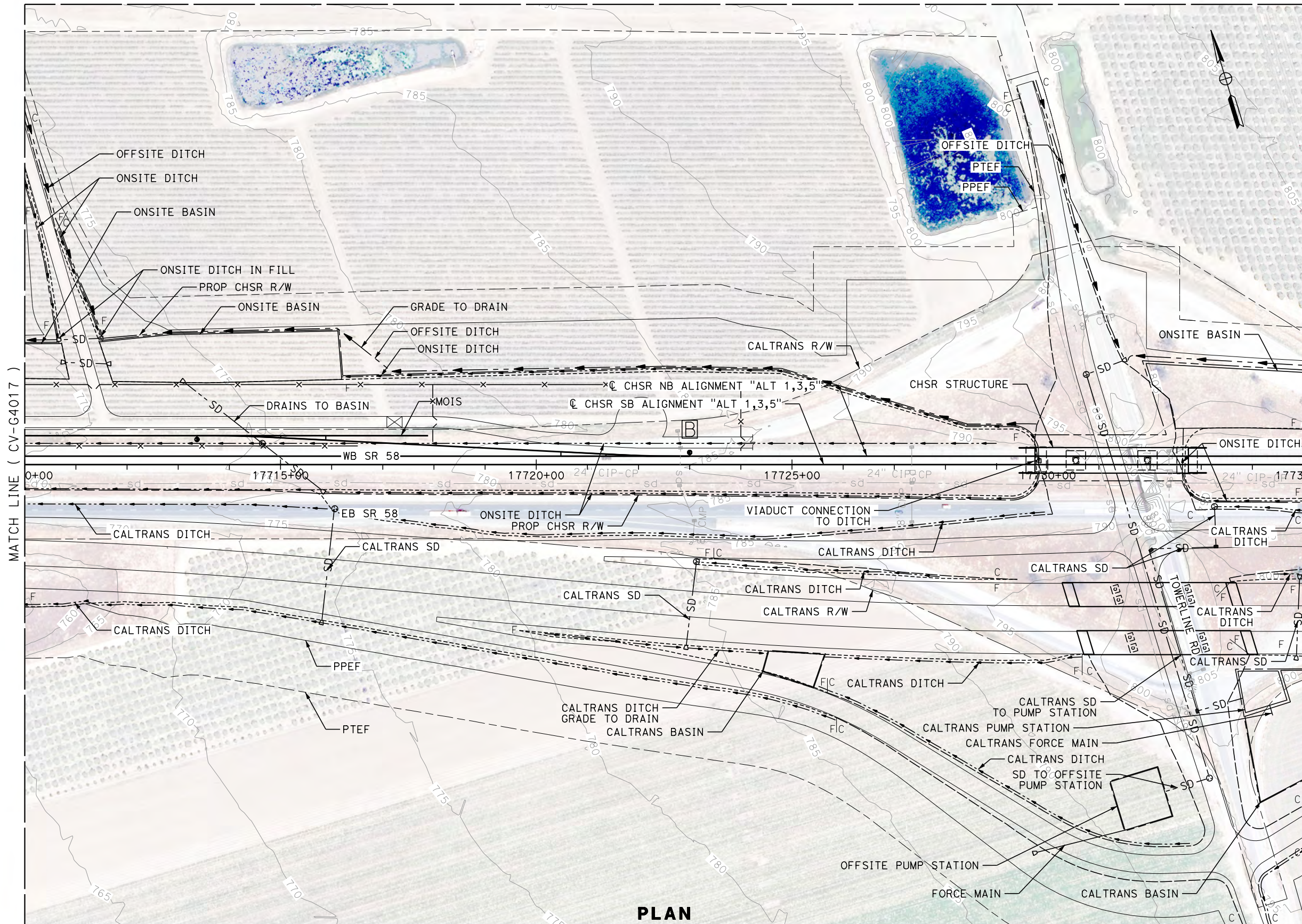


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

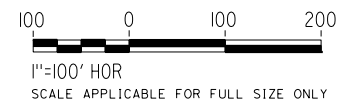
ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17685+00 TO 17710+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4017
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (CV-G4175)



PLAN



Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\NG\BP-CV-G4018.dgn

OIC:Adodge 11/7/2017 10:35:00 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

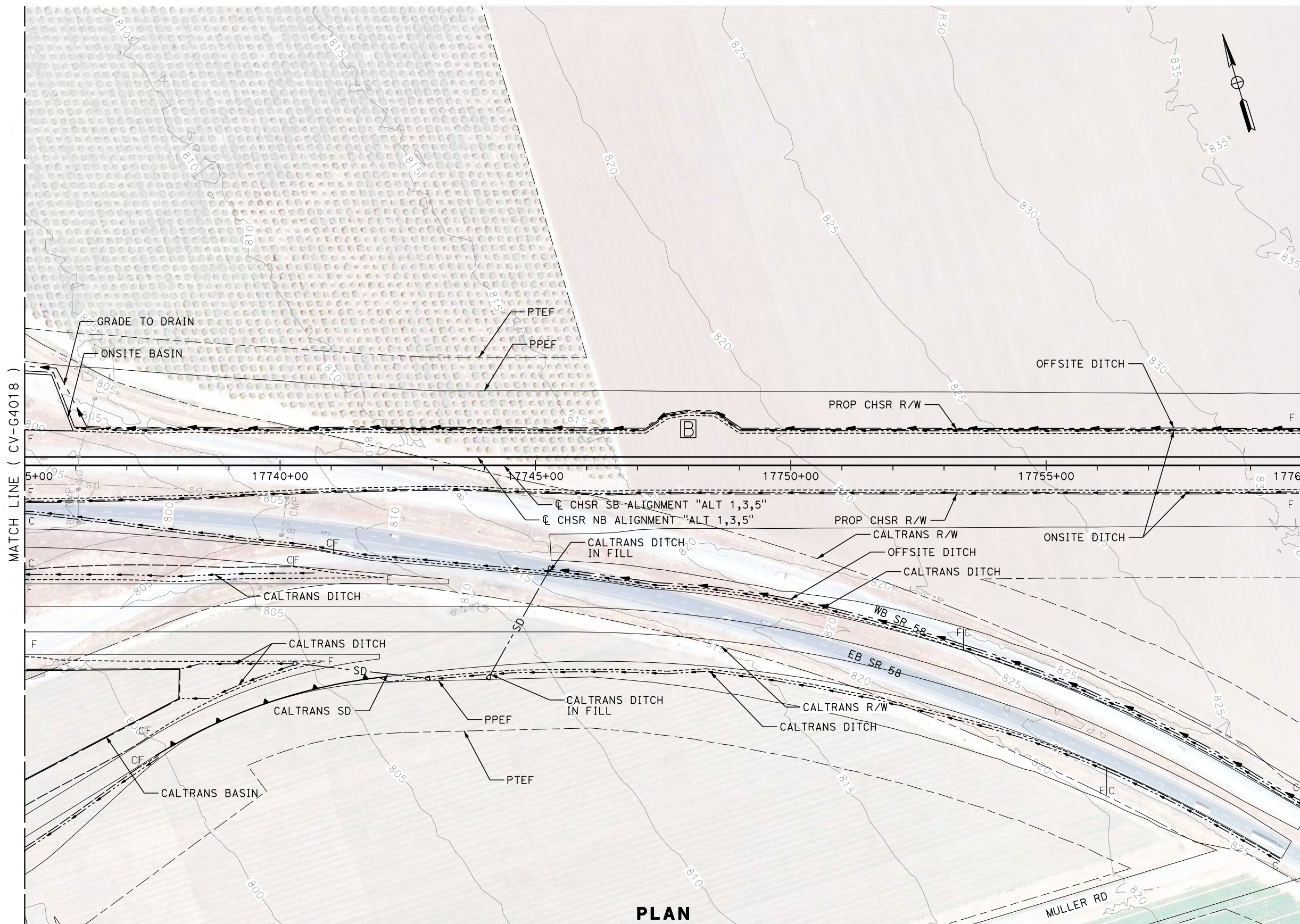


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17710+00 TO 17735+00
PLAN

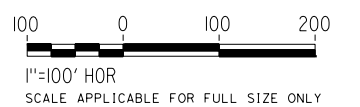
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4018
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\G\BP-CV-G4019.dgn

OIC:Adodge 11/7/2017 10:35:56 PM



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

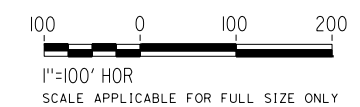
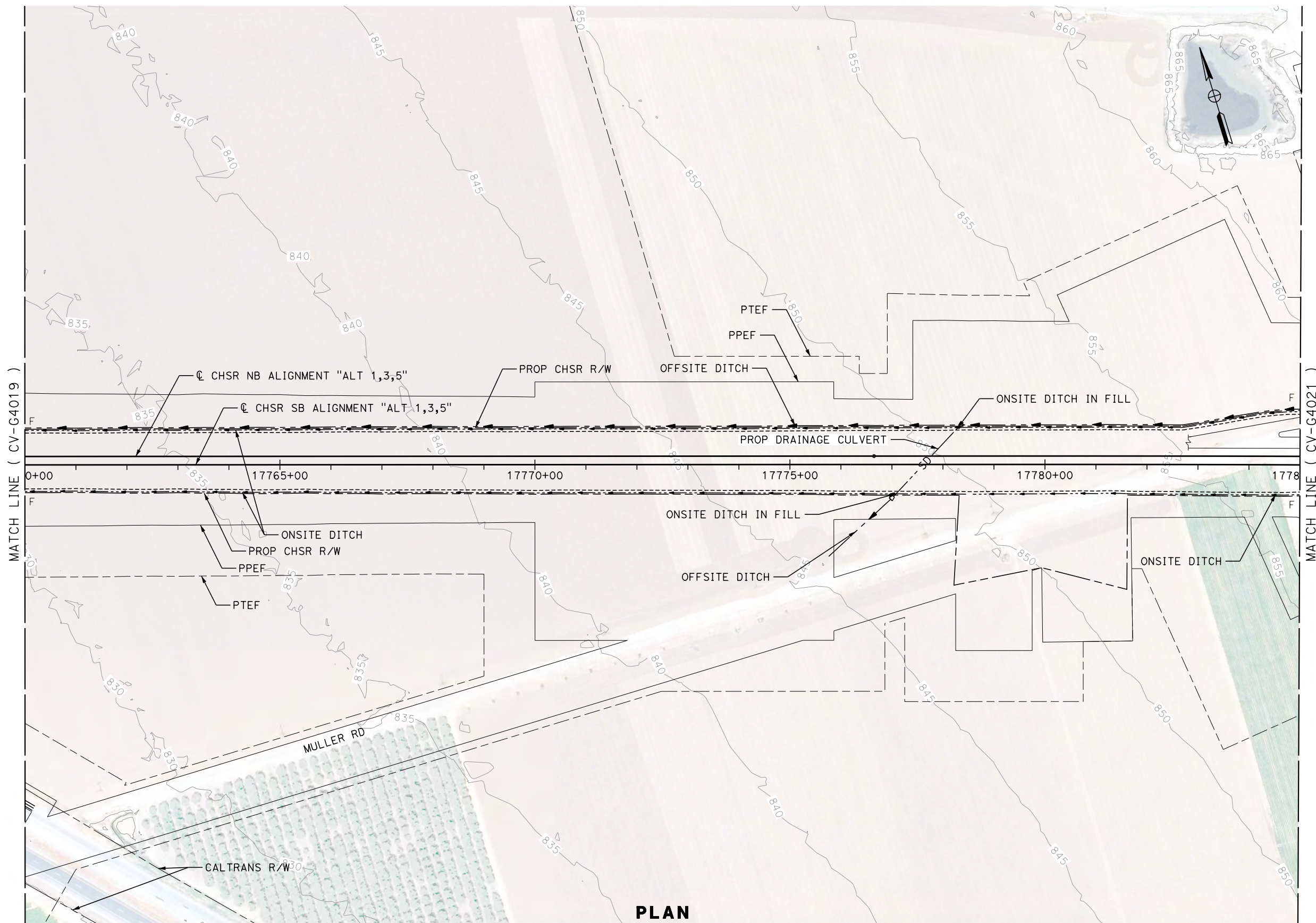


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17735+00 TO 17760+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4019
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4020.dgn

OIC: Adodge 11/7/2017 10:32:04 PM



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

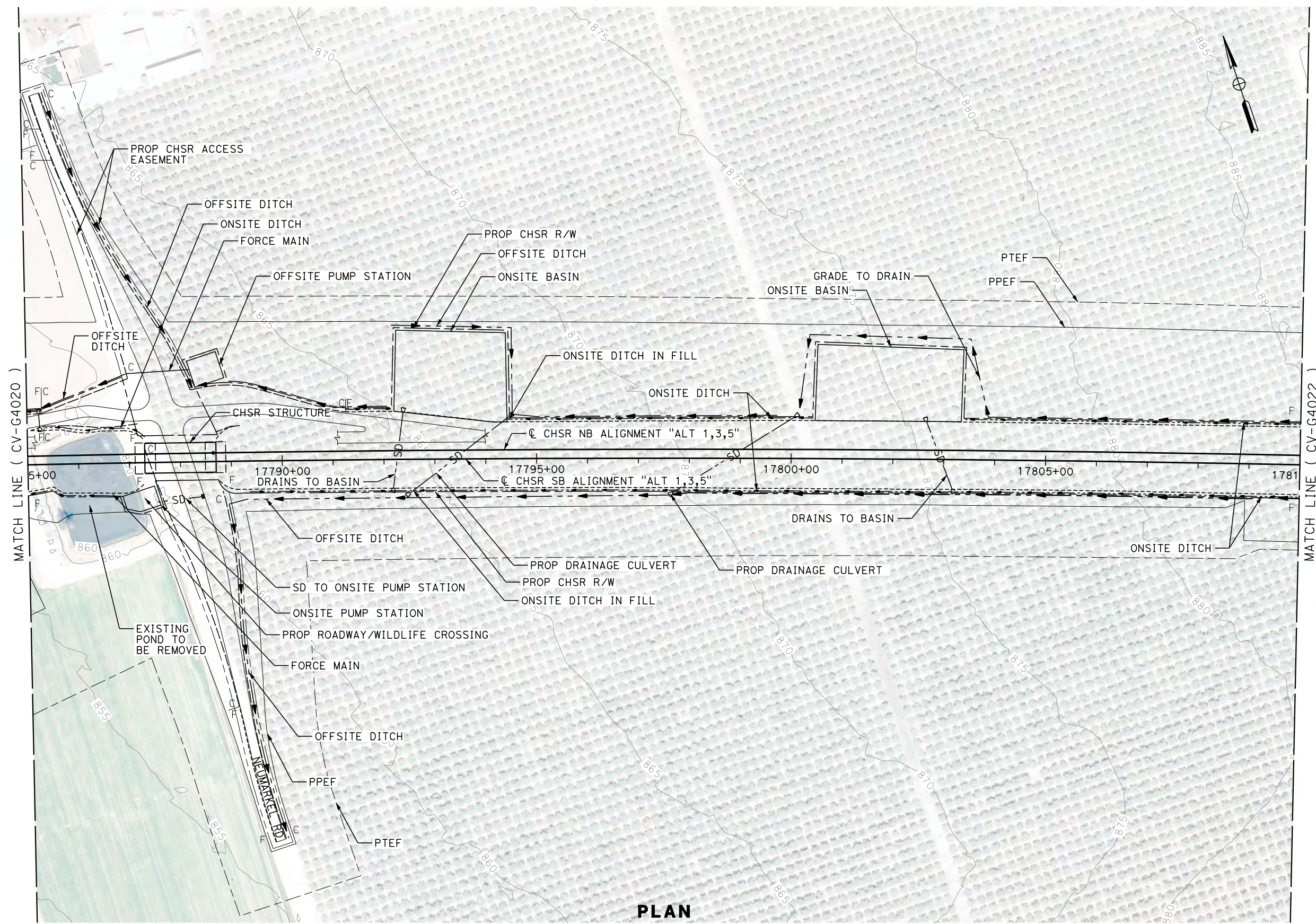


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17760+00 TO 17785+00
PLAN

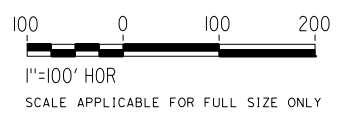
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4020
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\CV\G\G\BP-CV-G4021.dgn

OIC:Adodge 11/7/2017 10:35:01 PM



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17785+00 TO 17810+00
PLAN

CONTRACT NO.
HSR13-44

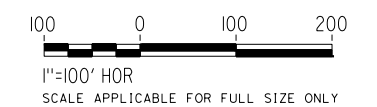
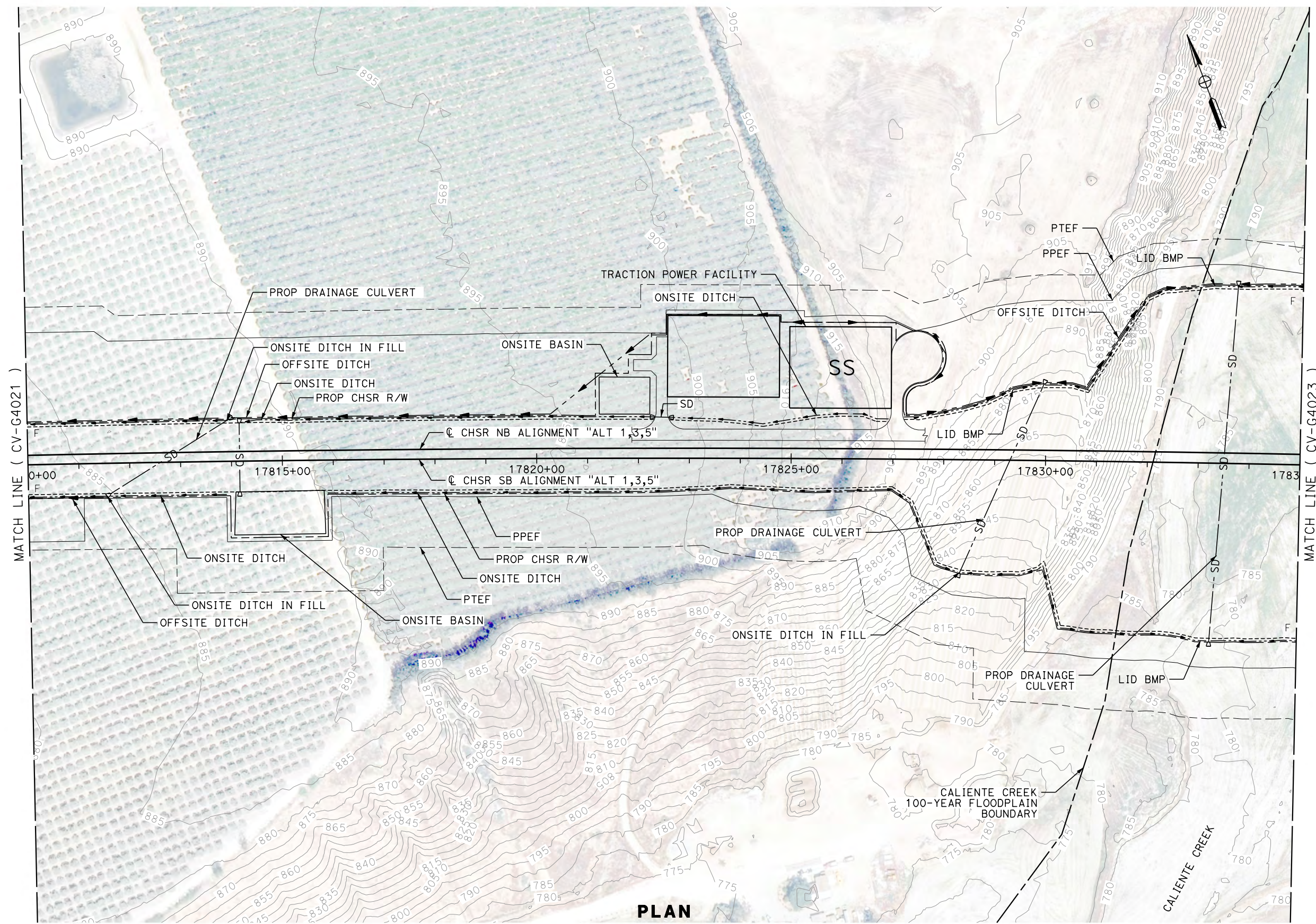
DRAWING NO.
CV-G4021

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\G_BP-CV-G4022.dgn

OIC:Adodge 11/7/2017 10:35:57 PM



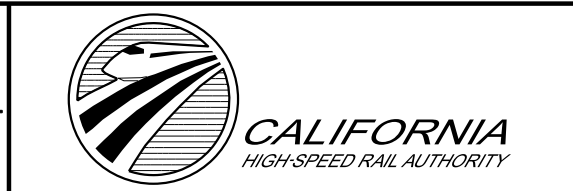
PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



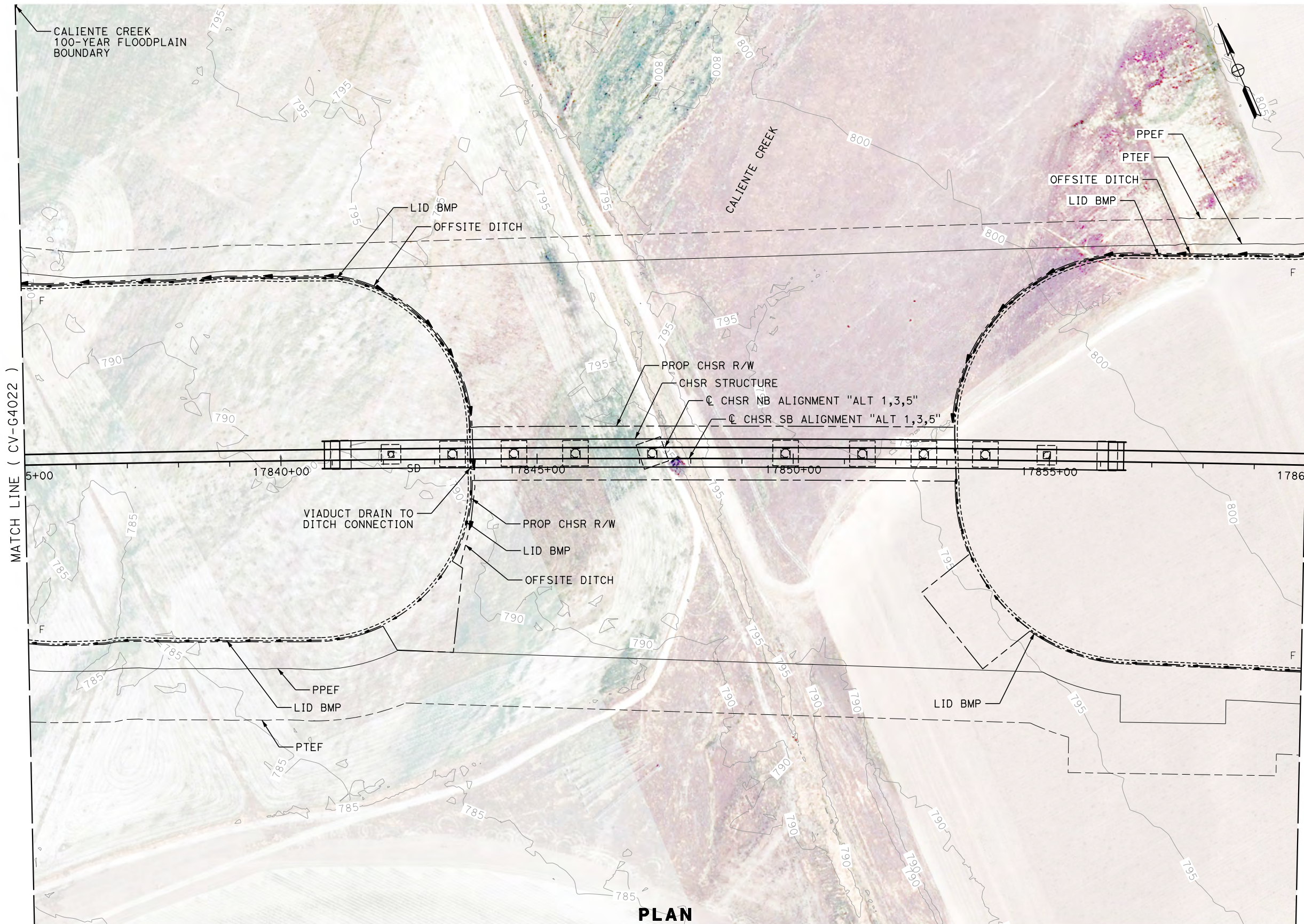
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17810+00 TO 17835+00
PLAN

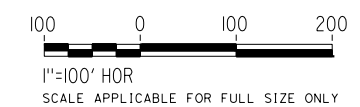
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4022
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4023.dgn

OIC:Adodge 11/7/2017 10:35:52 PM



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



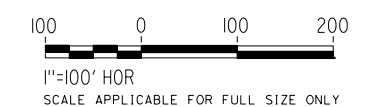
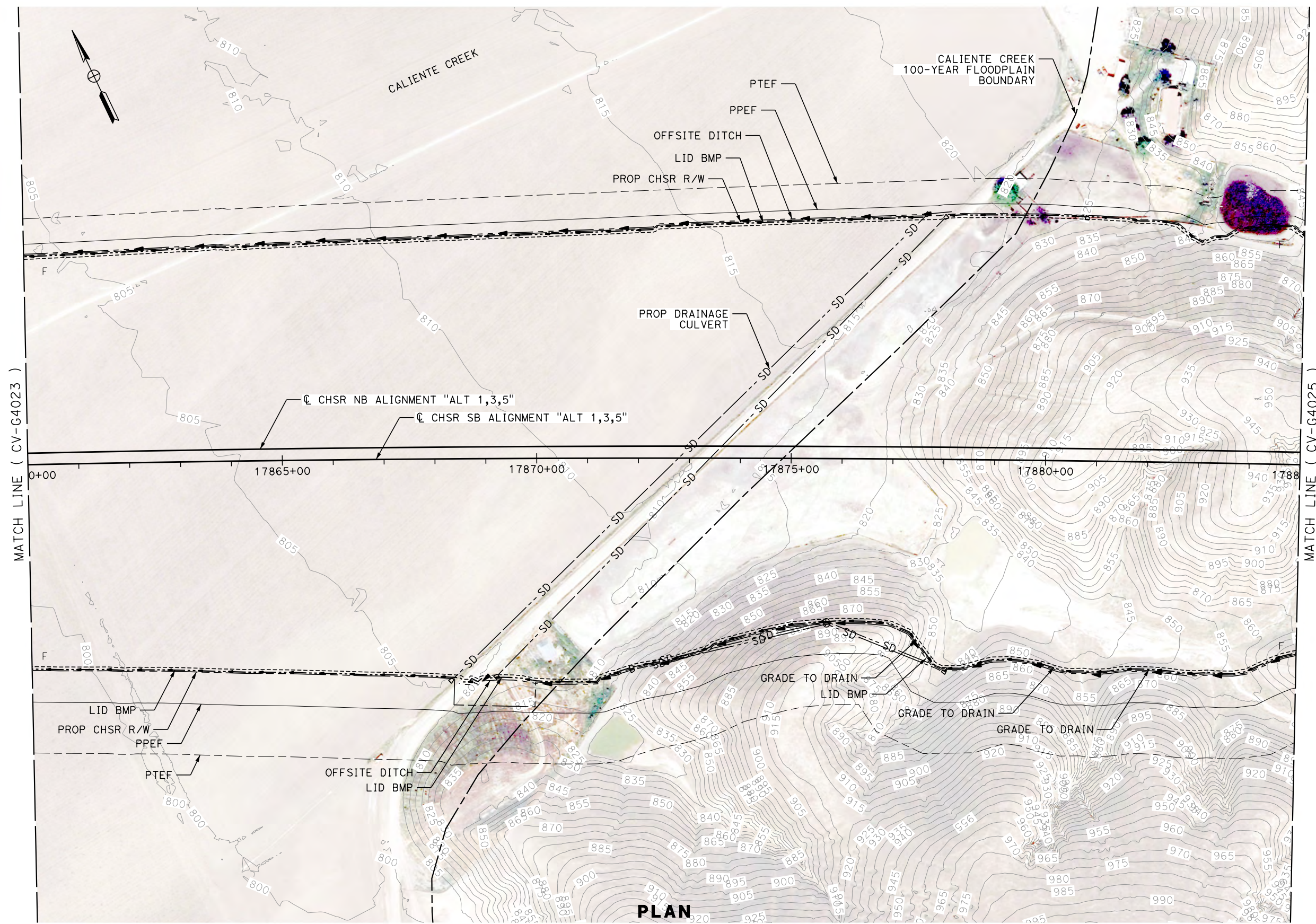
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17835+00 TO 17860+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4023
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4024.dgn

11/7/2017 10:38:13 PM
OIC:Adodge



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

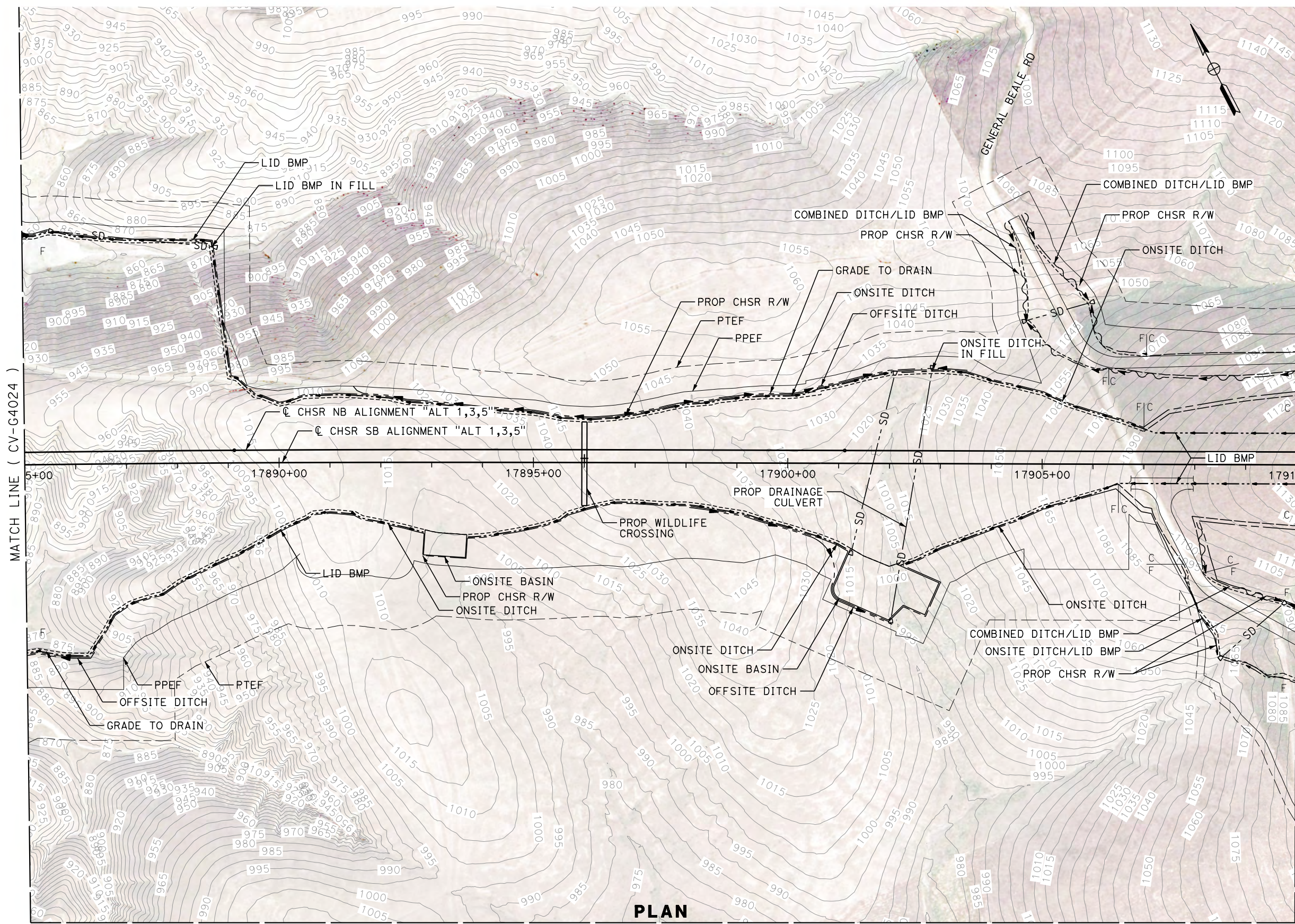


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17860+00 TO 17885+00
PLAN

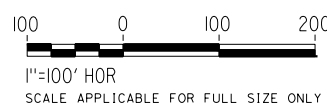
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4024
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4025.dgn

OIC: Adodge 11/7/2017 10:39:07 PM



PLAN

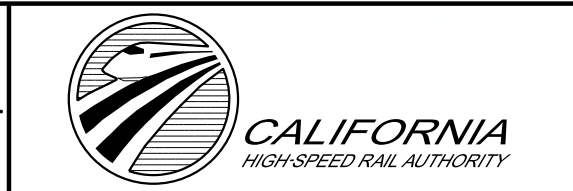


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17885+00 TO 17910+00
PLAN

CONTRACT NO.
HSR13-44

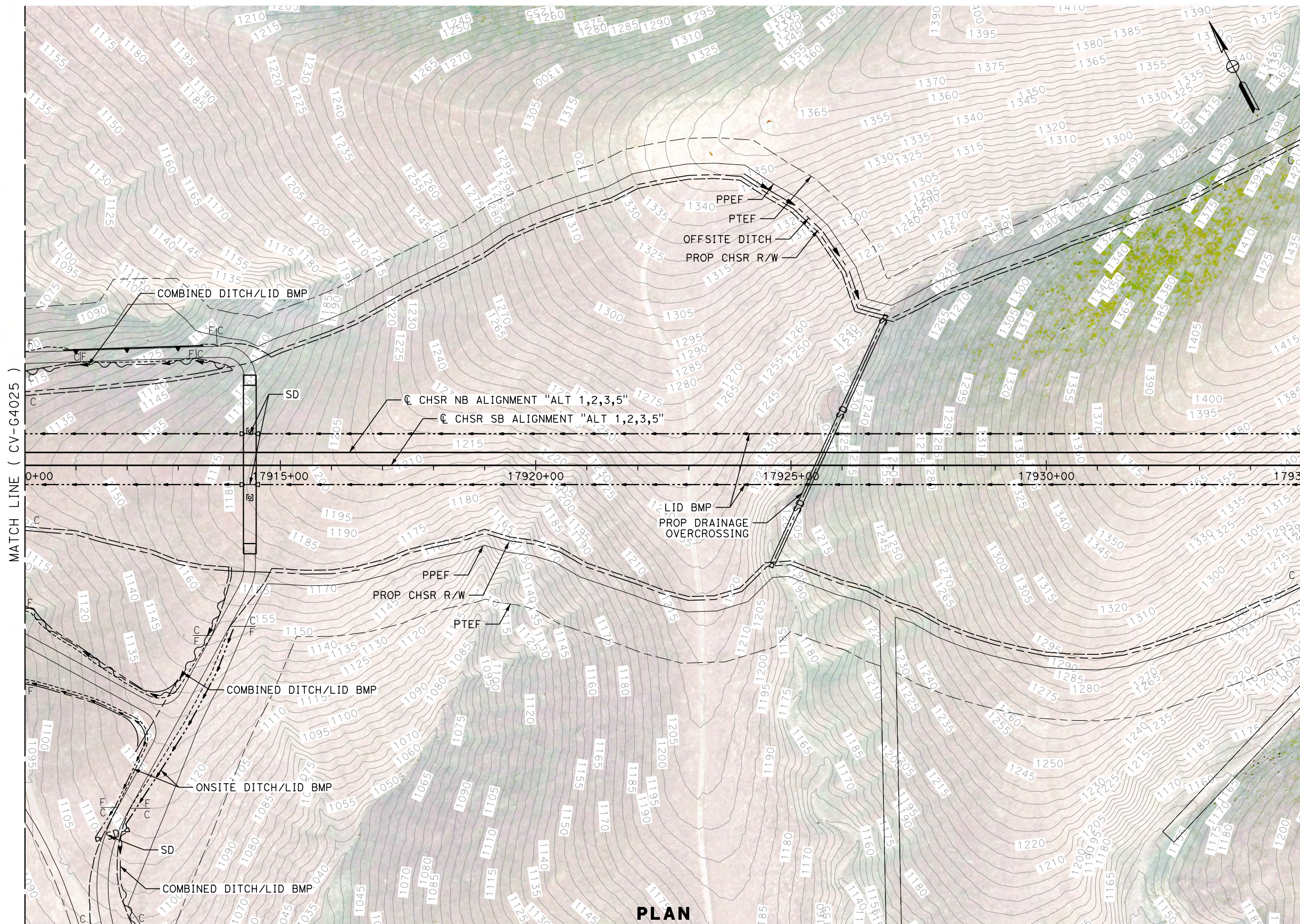
DRAWING NO.
CV-G4025

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4026.dgn

11/7/2017 10:38:02 PM OIC_A Dodge

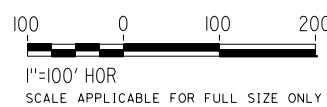


MATCH LINE (CV-G4025)

MATCH LINE (CV-G4027)

PLAN

MATCH LINE (CV-G4176)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 17910+00 TO 17935+00
PLAN

CONTRACT NO.
HSR13-44

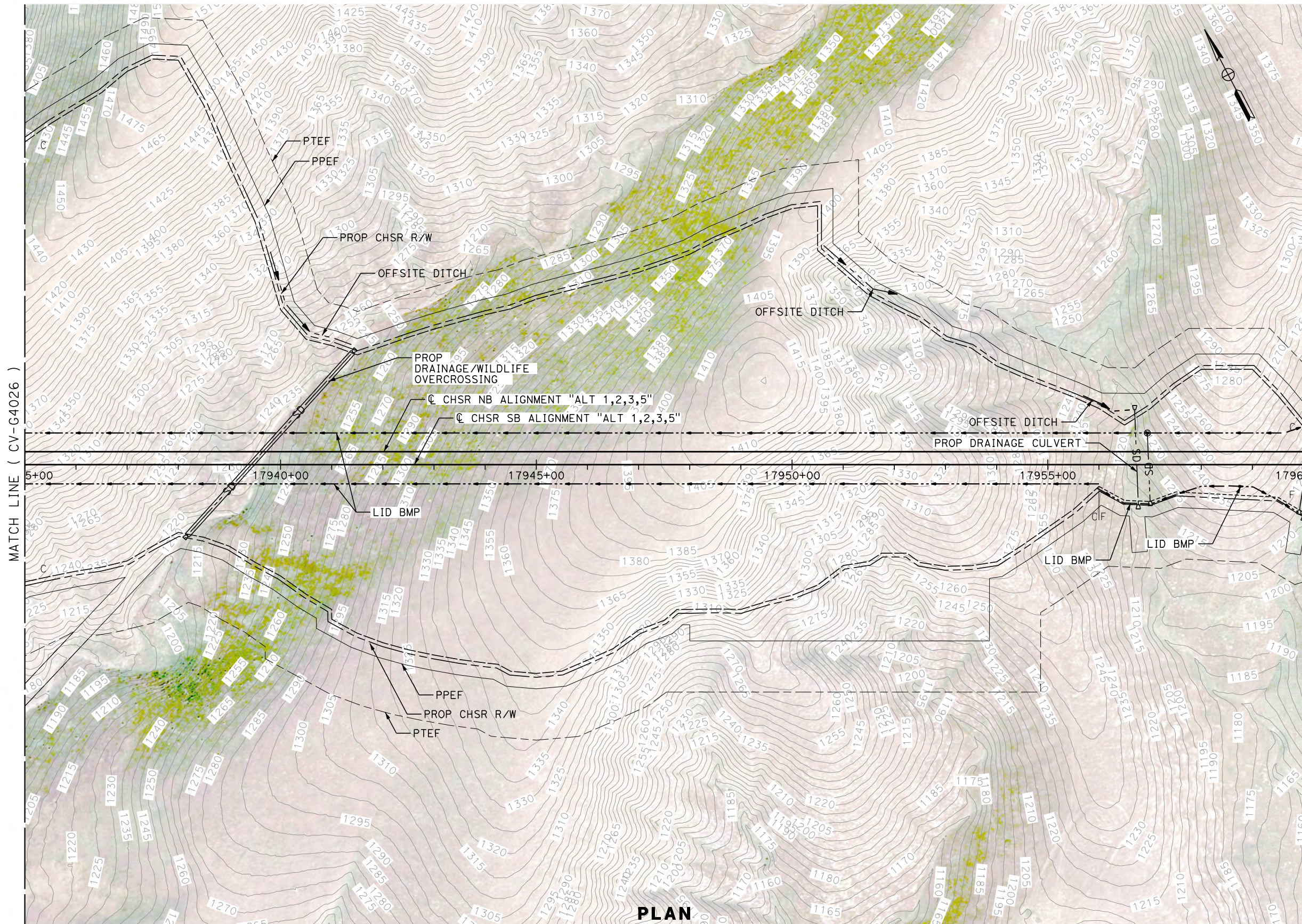
DRAWING NO.
CV-G4026

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4027.dgn

11/7/2017 10:35:50 PM
OIC:Adodge



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 17935+00 TO 17960+00
PLAN

CONTRACT NO.
HSR13-44

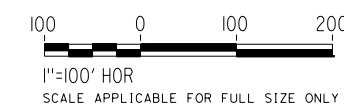
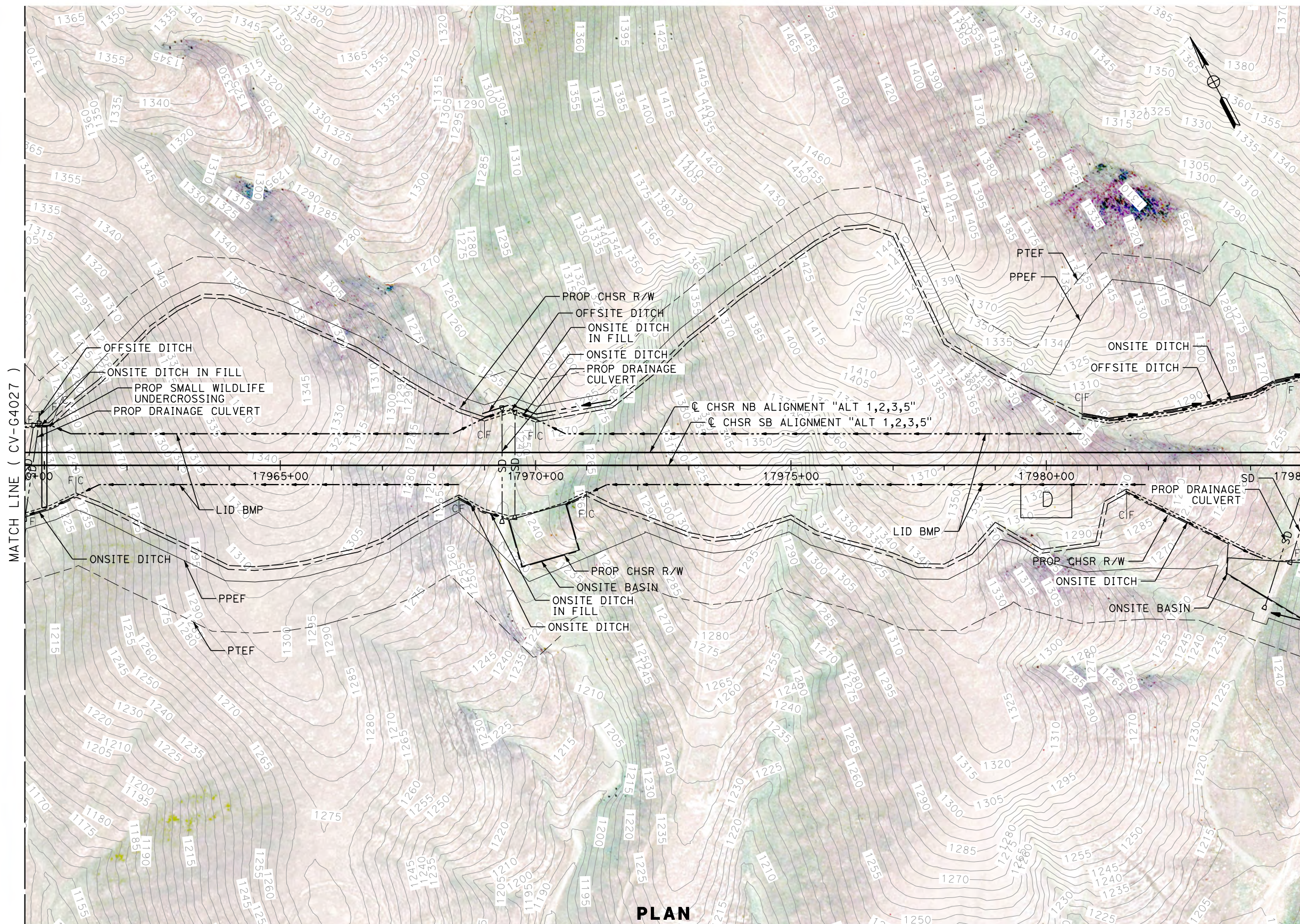
DRAWING NO.
CV-G4027

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4028.dgn

11/7/2017 10:37:16 PM
OIC: Adodge



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 17960+00 TO 17985+00
PLAN

CONTRACT NO.
HSR13-44

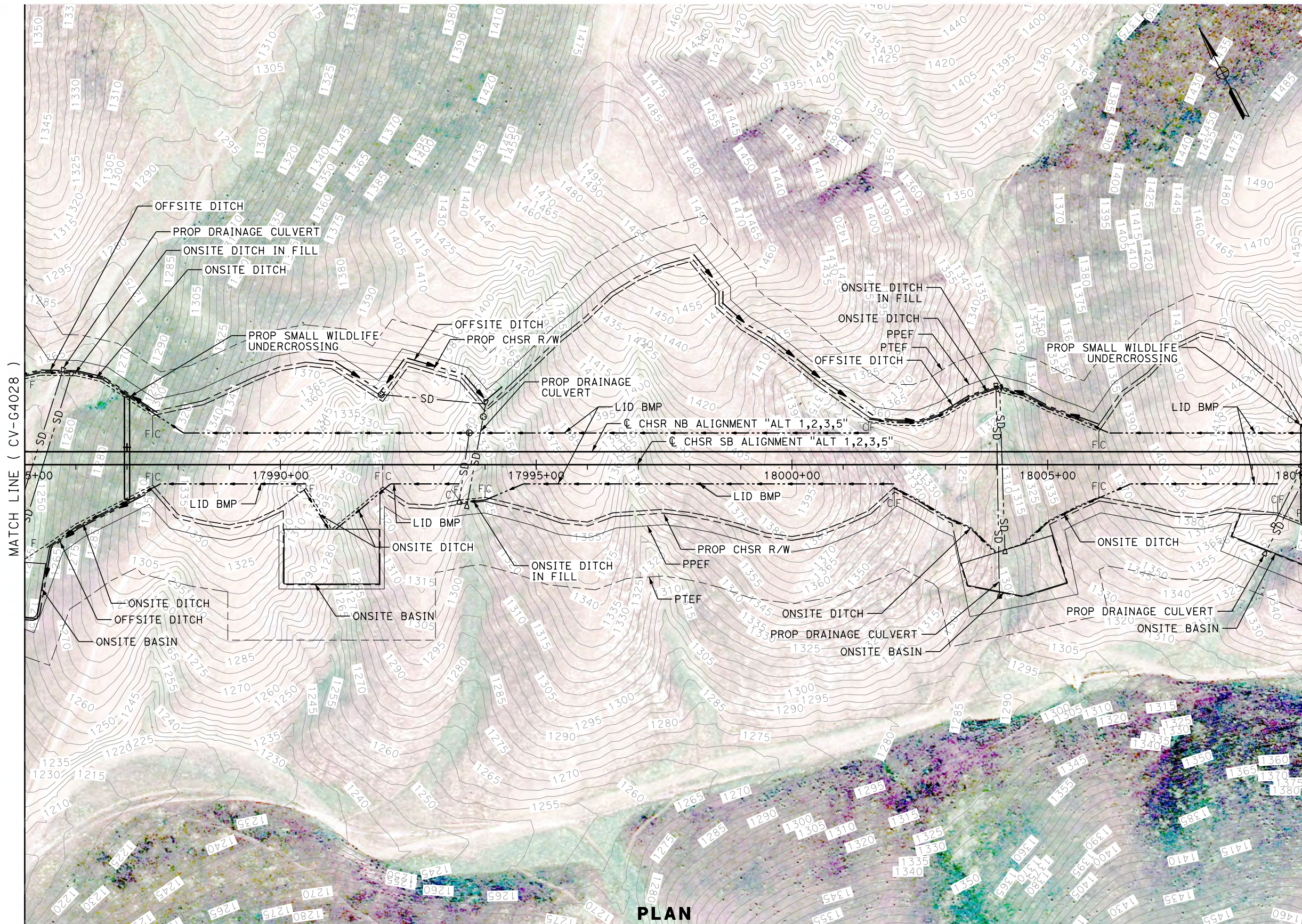
DRAWING NO.
CV-G4028

SCALE
AS SHOWN

SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4029.dgn

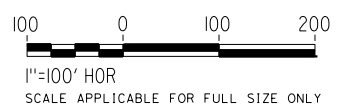
OIC:Adodge 11/7/2017 10:40:53 PM



MATCH LINE (CV-G4028)

MATCH LINE (CV-G4030)

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

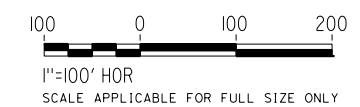
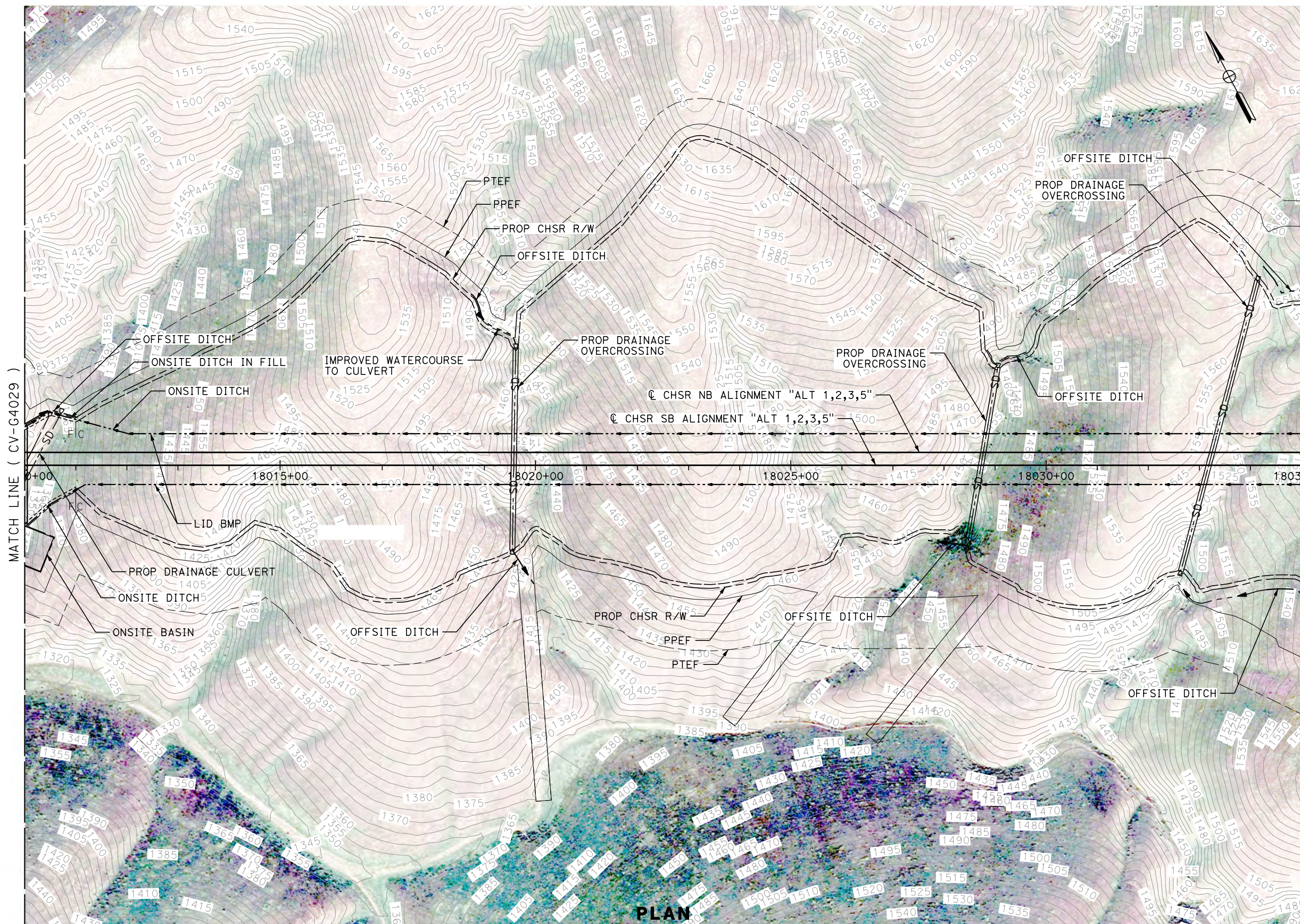


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 17985+00 TO 18010+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4029
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4030.dgn

OIC:Adodge 11/7/2017 10:51:20 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

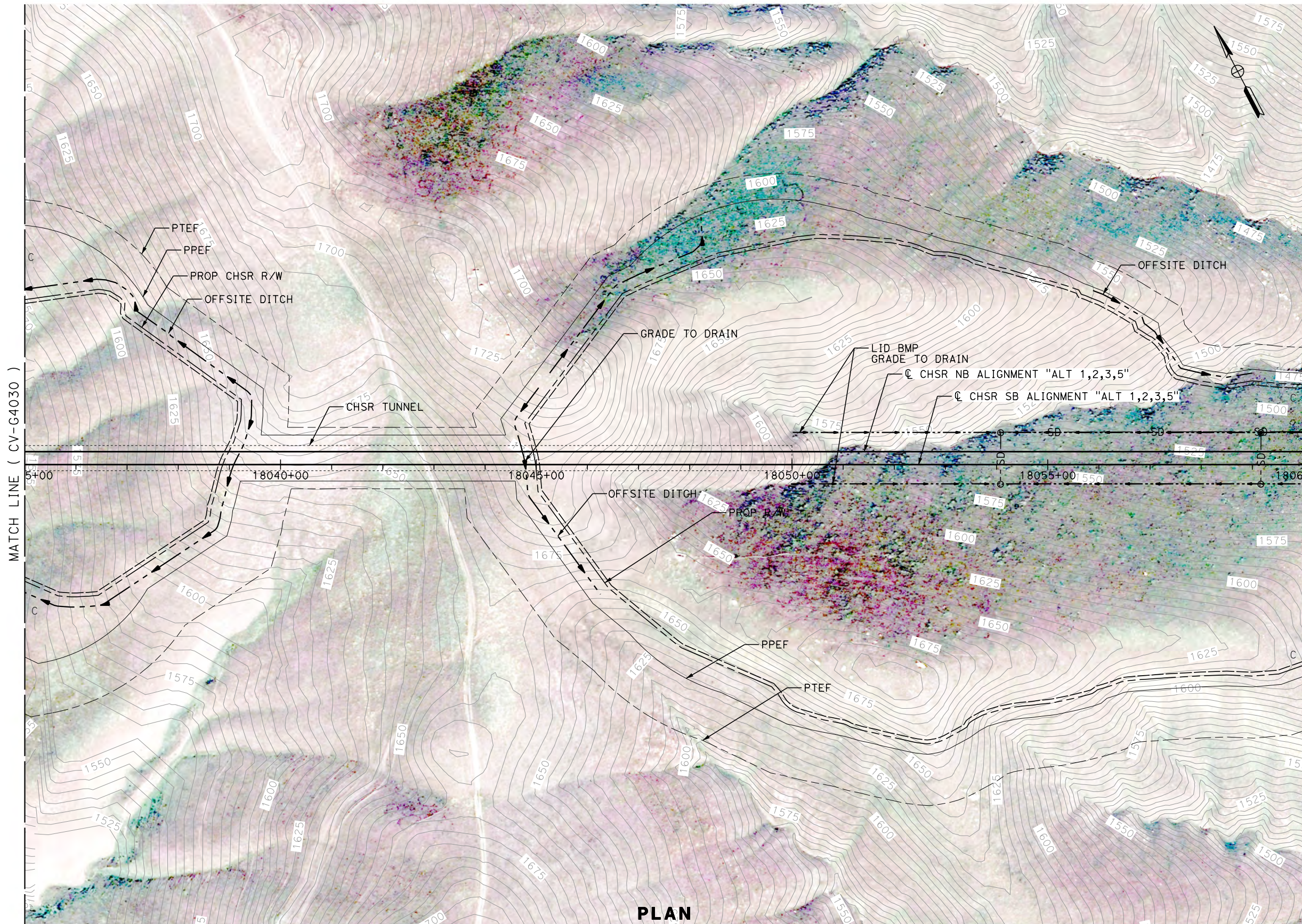


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18010+00 TO 18035+00
PLAN

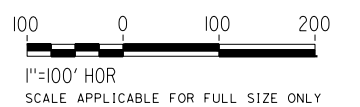
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4030
SCALE
AS SHOWN
SHEET NO.

Projects\T01206\00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4031.dgn

OIC:Adodge 11/7/2017 10:42:41 PM



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



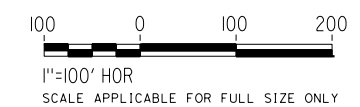
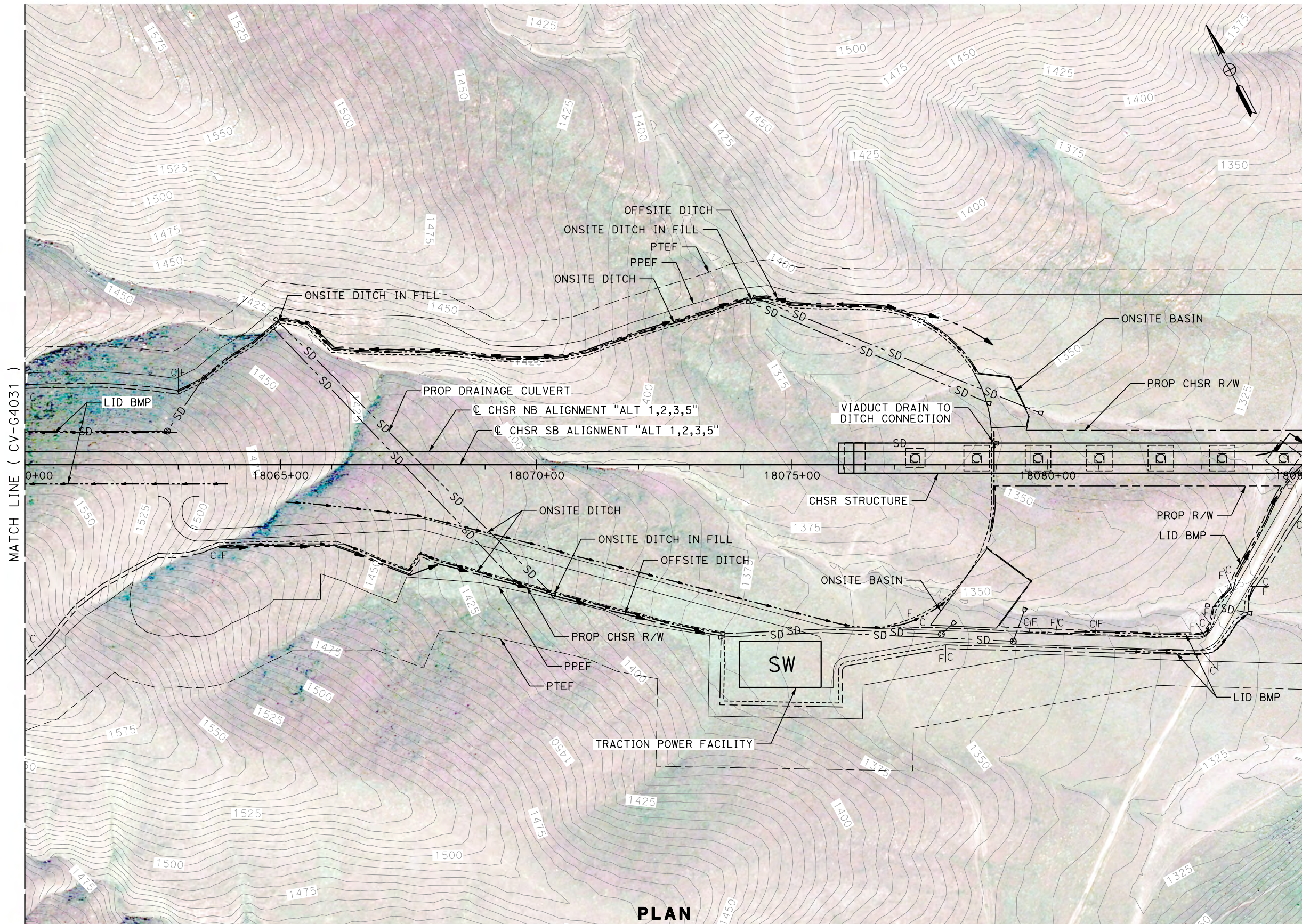
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18035+00 TO 18060+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4031
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4032.dgn

11/7/2017 10:43:17 PM
OIC:Adodge



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

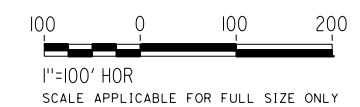
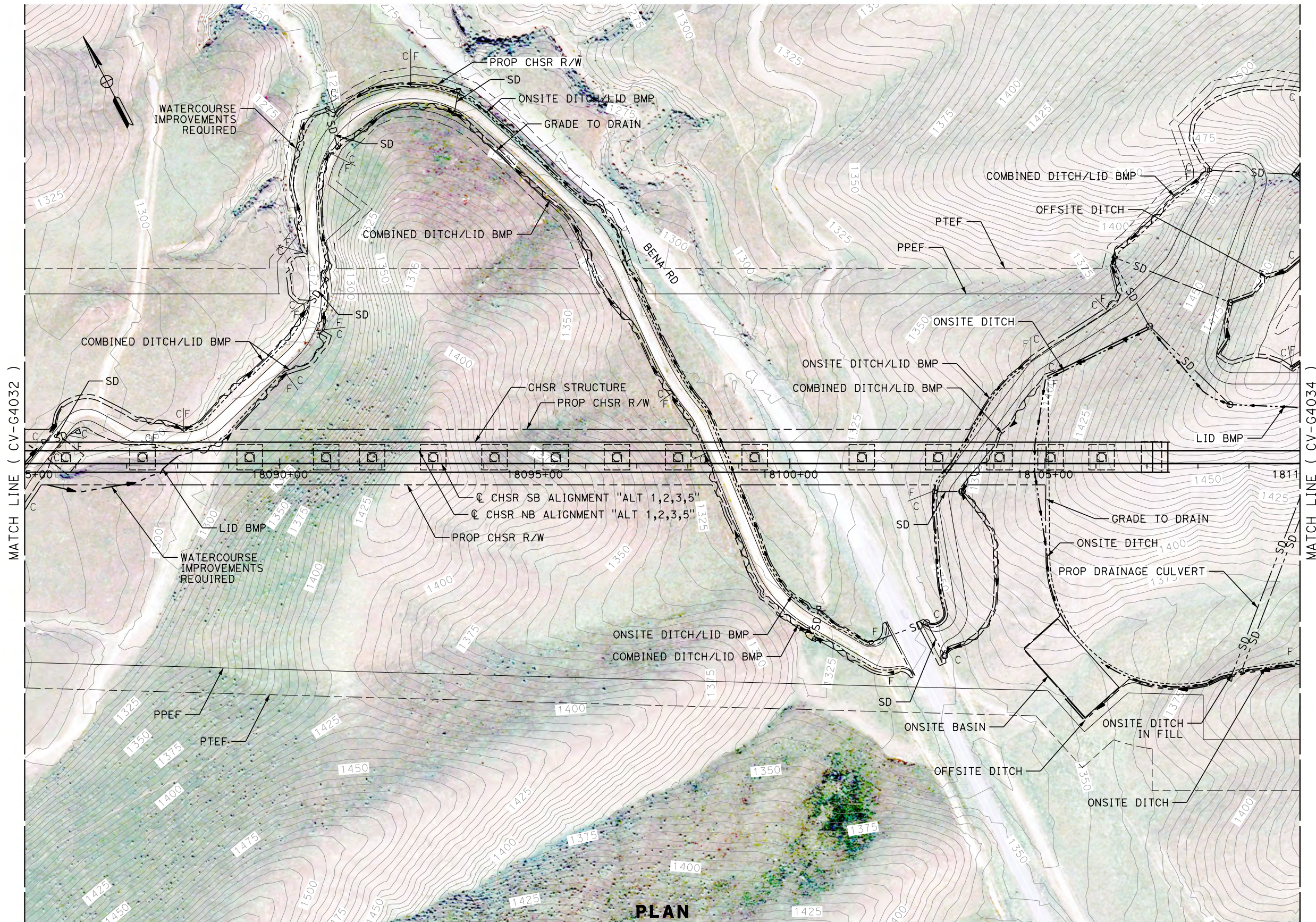


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18060+00 TO 18085+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4032
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4033.dgn

OIC:Adodge 11/7/2017 10:43:59 PM



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



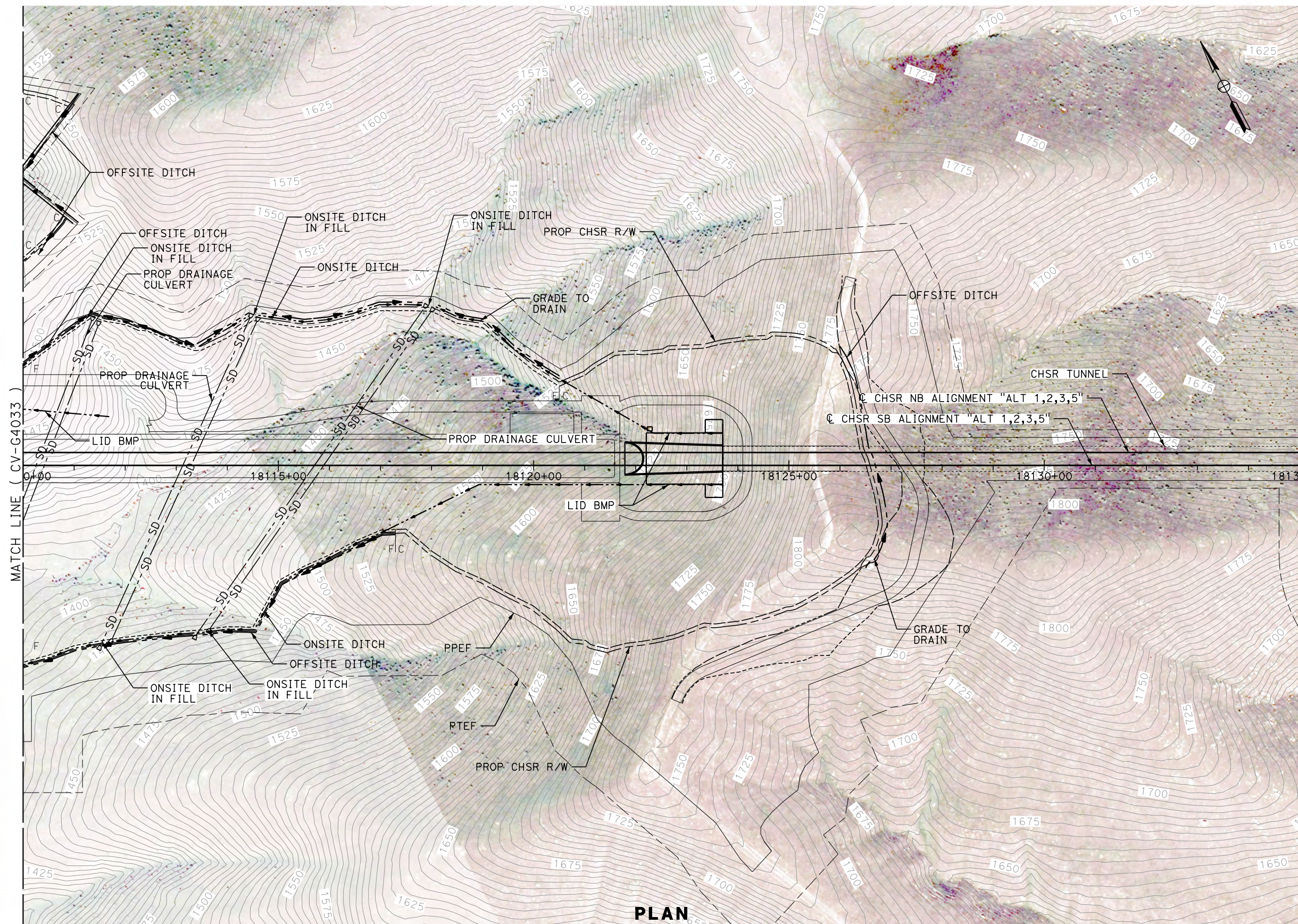
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18085+00 TO 18110+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4033
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD_Sheet_Files\CV\G\G_BP-CV-G4034.dgn

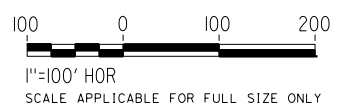
11/7/2017 10:43:55 PM
OIC:Adodge



MATCH LINE (CV-G4033)

MATCH LINE (CV-G4035)

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



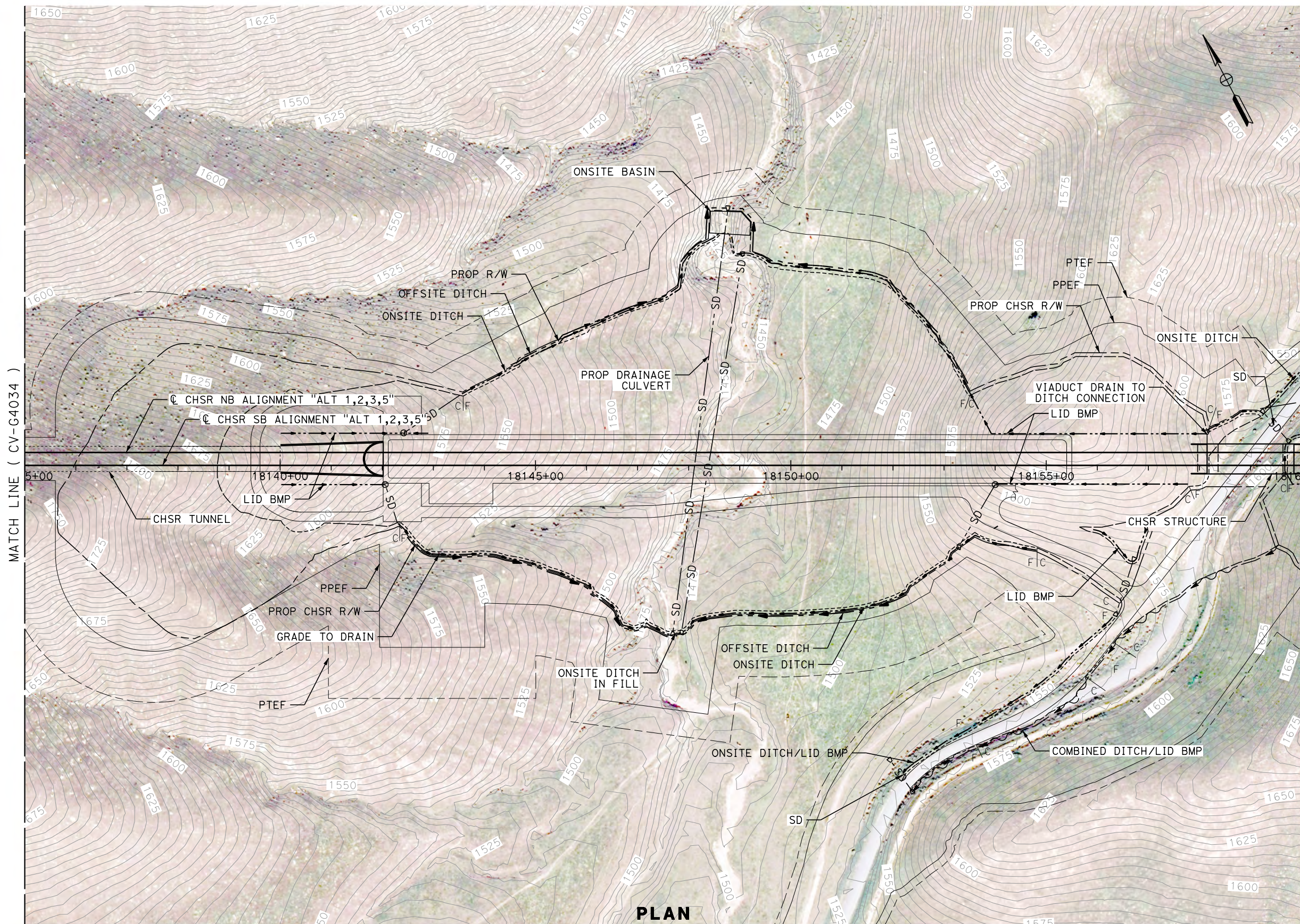
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18110+00 TO 18135+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4034
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4035.dgn

OIC:Adodge 11/7/2017 10:48:33 PM

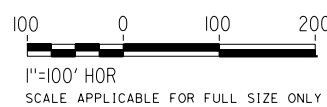


MATCH LINE (CV-G4034)

MATCH LINE (CV-G4036)

MATCH LINE (CV-G4179)

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

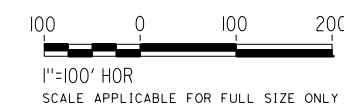
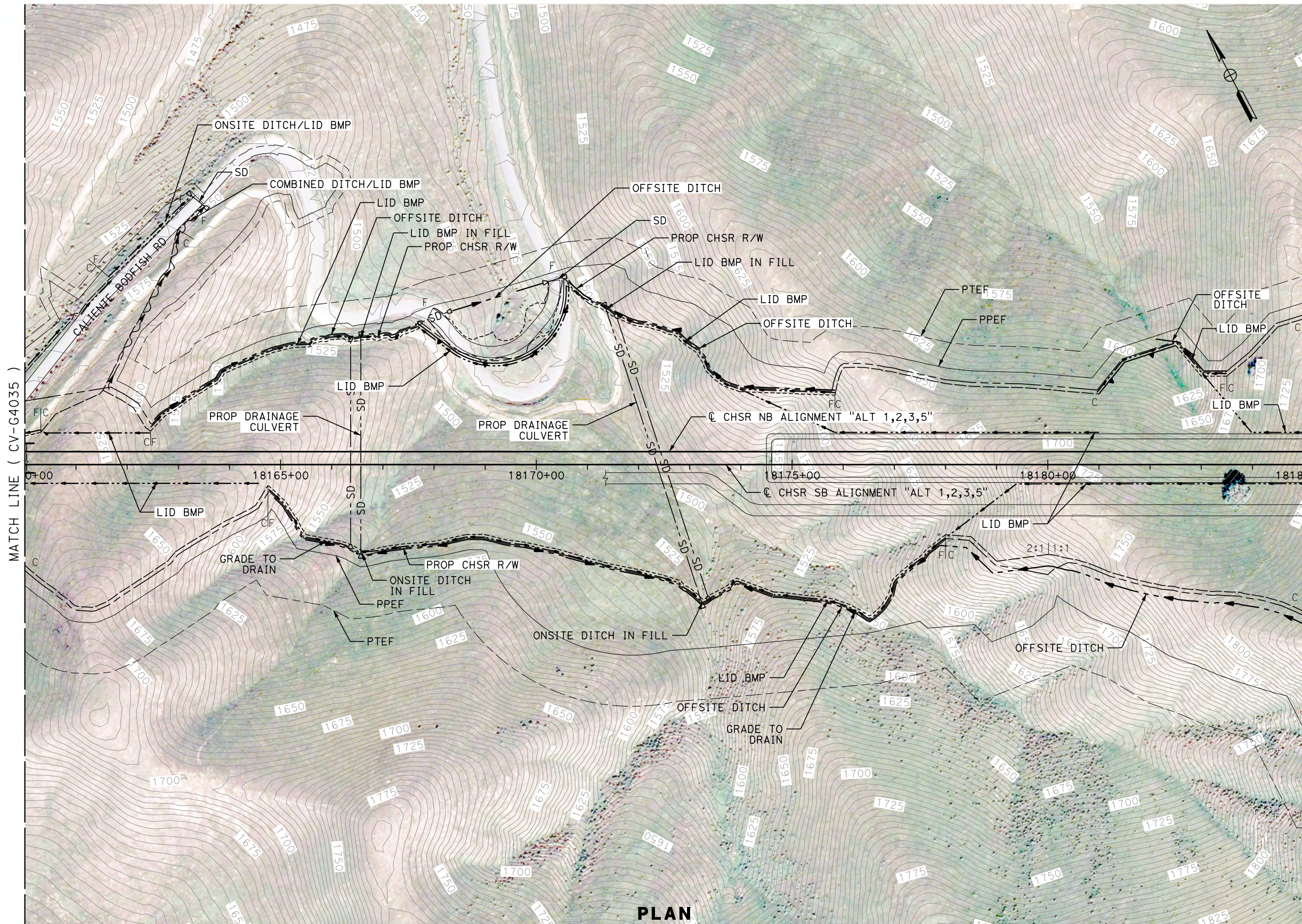


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18135+00 TO 18160+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4035
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4036.dgn

11/7/2017 10:42:19 PM
OIC: Adodge



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

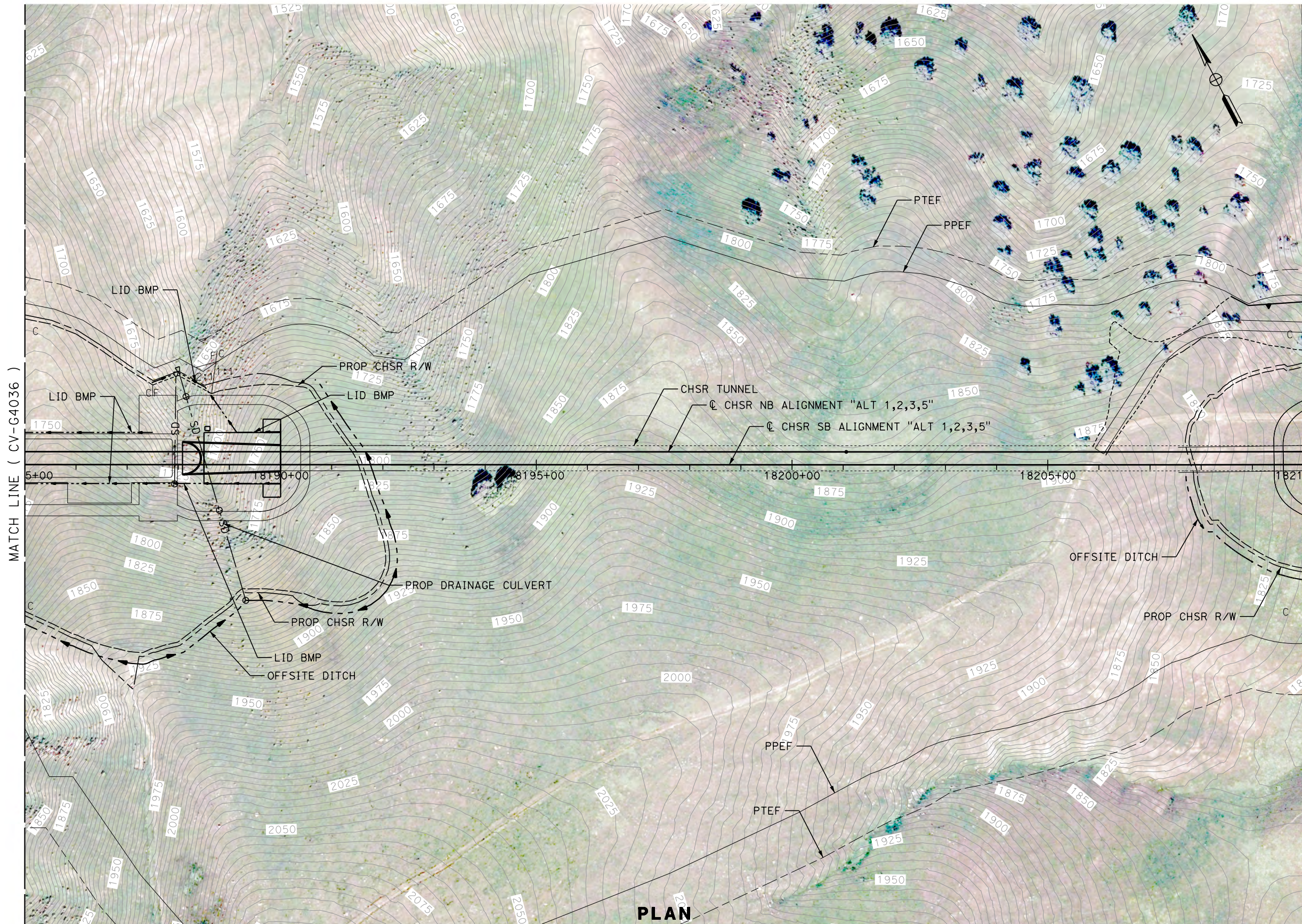


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18160+00 TO 18185+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4036
SCALE
AS SHOWN
SHEET NO.

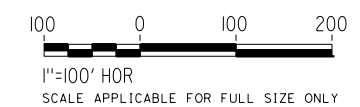
Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4037.dgn

OIC:Adodge 11/7/2017 10:52:41 PM



MATCH LINE (CV-G4036)

MATCH LINE (CV-G4038)



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



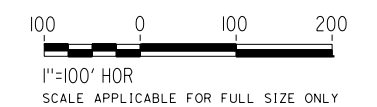
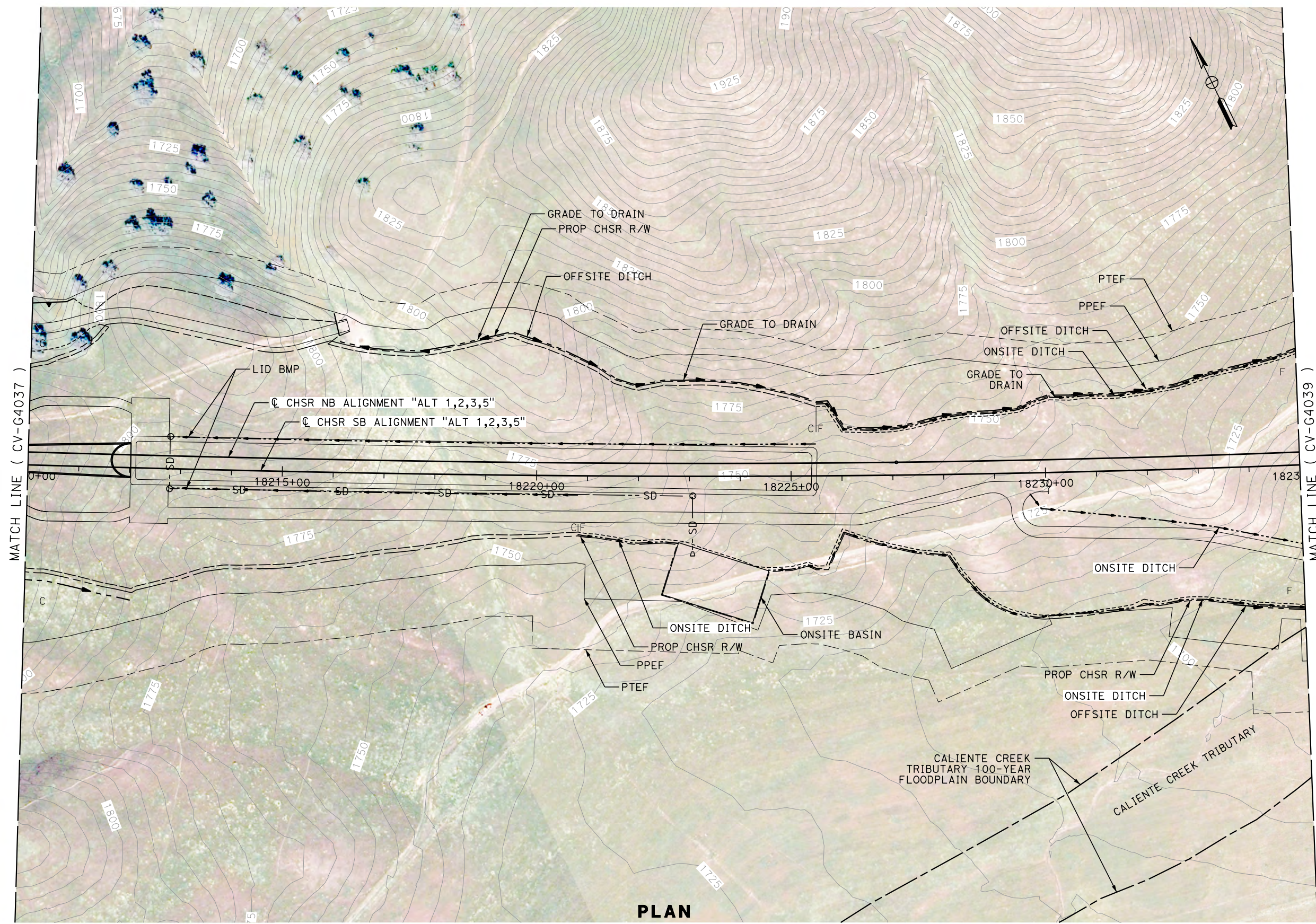
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18185+00 TO 18210+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4037
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4038.dgn

OIC:Adodge 11/7/2017 10:47:41 PM



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
 DRAWN BY
N. SANDERS
 CHECKED BY
G. CAMPBELL
 IN CHARGE
S. SMITH
 DATE
10/31/2017

**RECORD
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

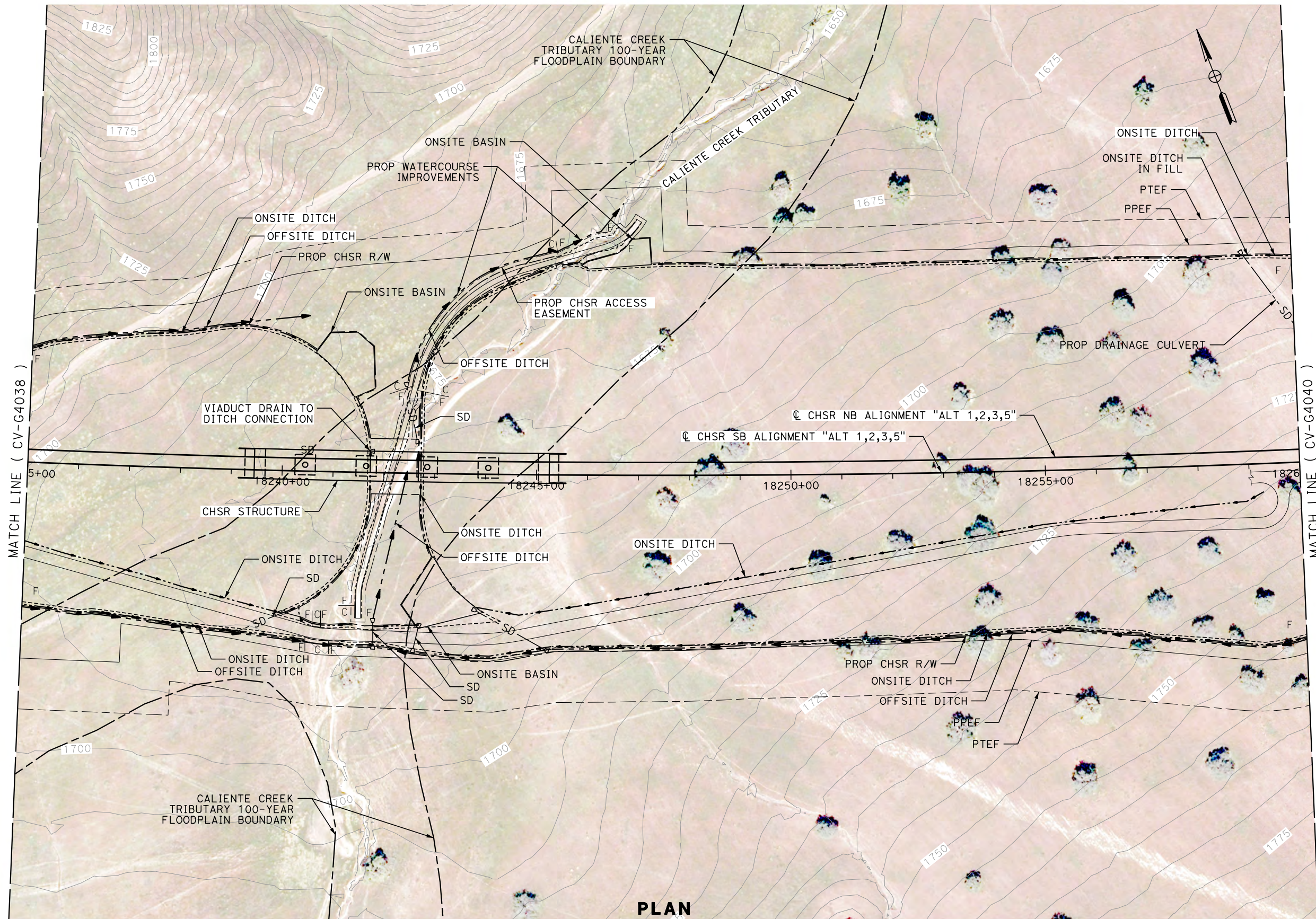


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 ALTERNATIVE 1,2,3,5
 GRADING AND DRAINAGE
 STA. 18210+00 TO 18235+00
 PLAN

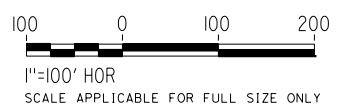
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G4038
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4039.dgn

OIC:Adodge 11/7/2017 10:44:32 PM



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18235+00 TO 18260+00
PLAN

CONTRACT NO.
HSR13-44

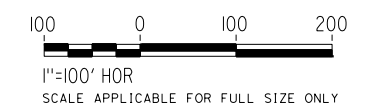
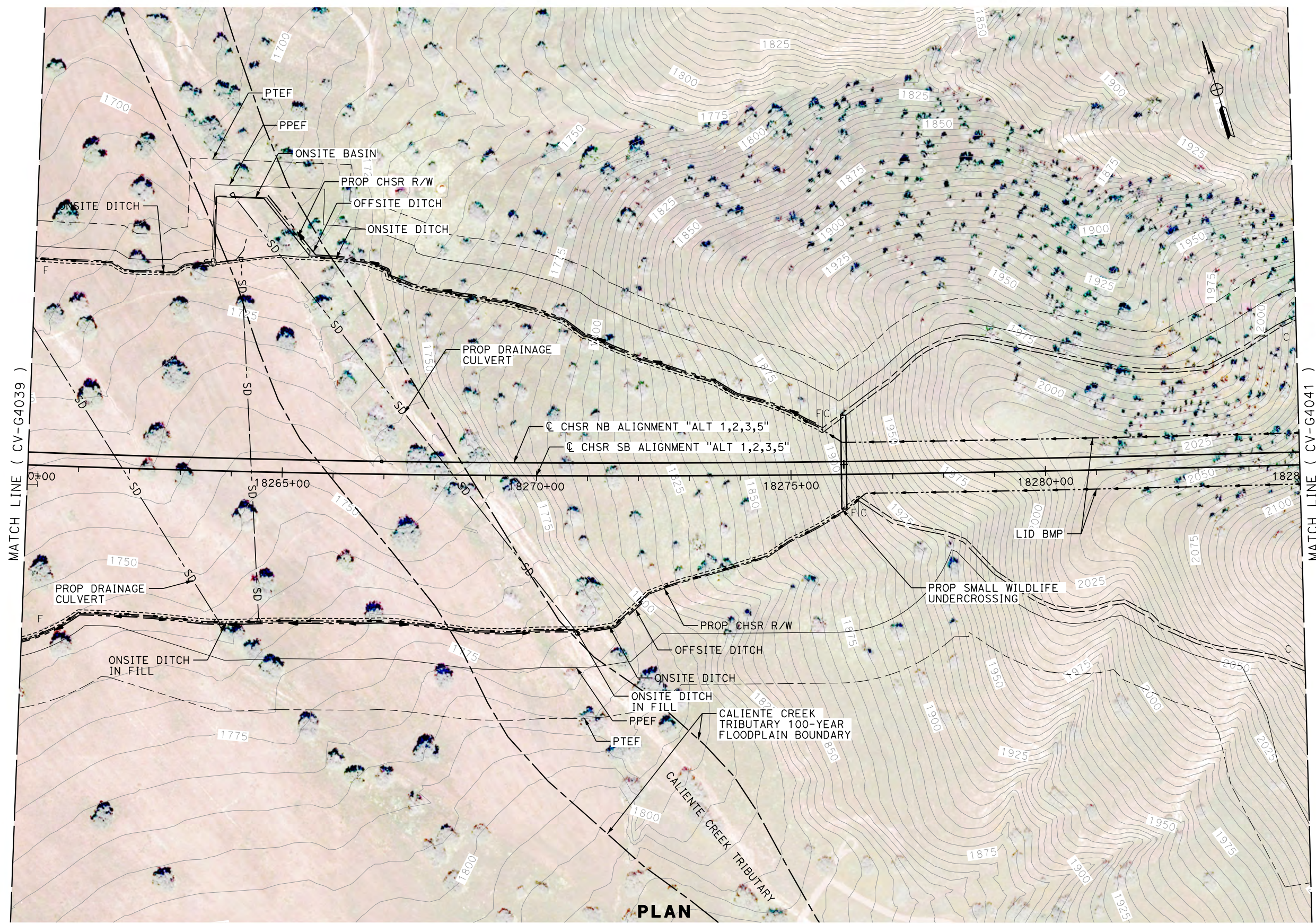
DRAWING NO.
CV-G4039

SCALE
AS SHOWN

SHEET NO.

Projects\701206\00_CHSRBP\00_CADD\Sheet_Files\CV\G\G_BP-CV-G4040.dgn

11/7/2017 10:45:46 PM OIC:Adodge



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

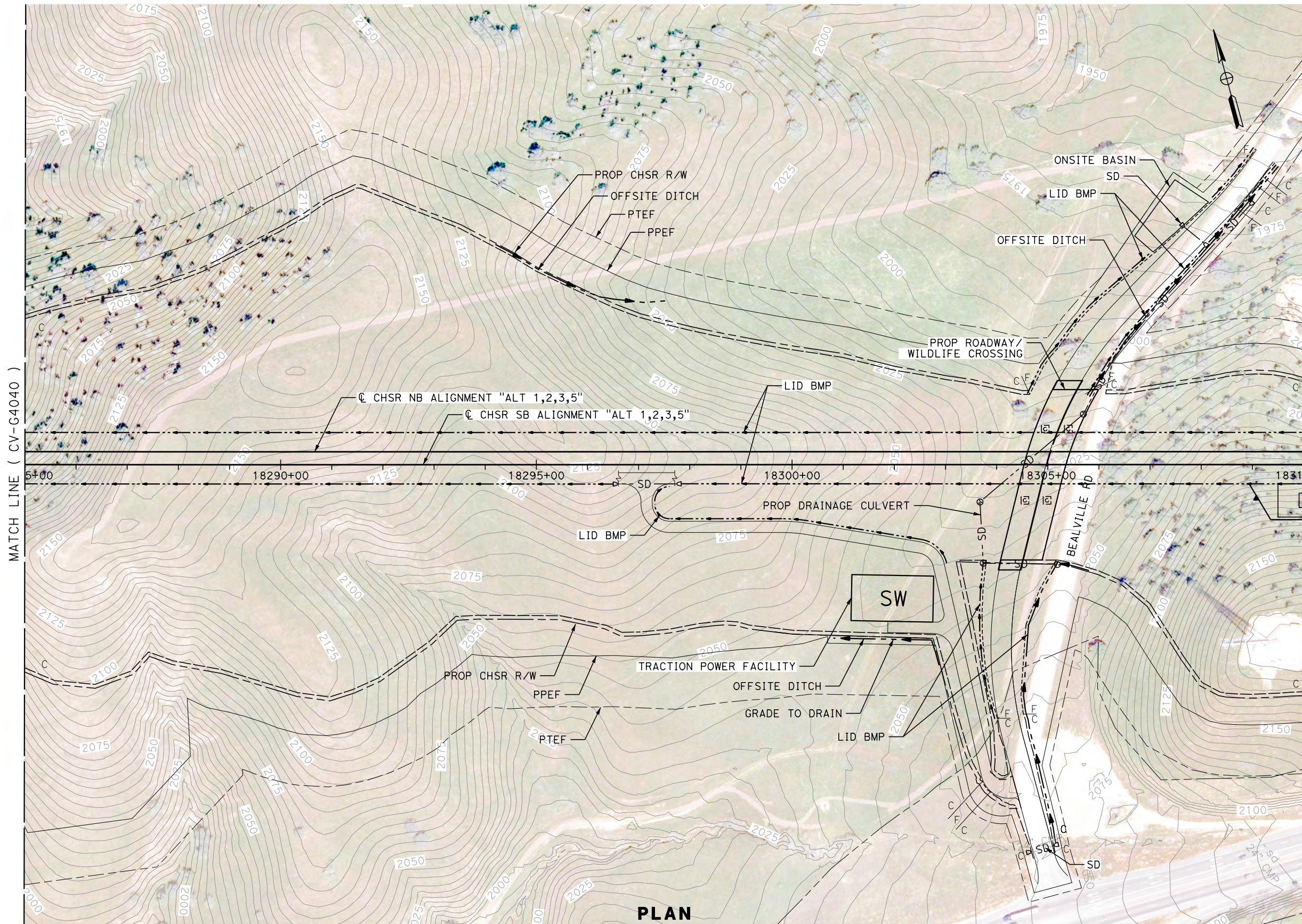


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18260+00 TO 18285+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4040
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4041.dgn

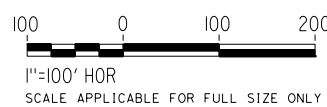
11/7/2017 10:45:13 PM



MATCH LINE (CV-G4040)

MATCH LINE (CV-G4042)

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

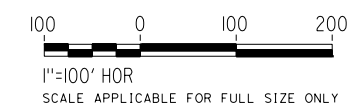
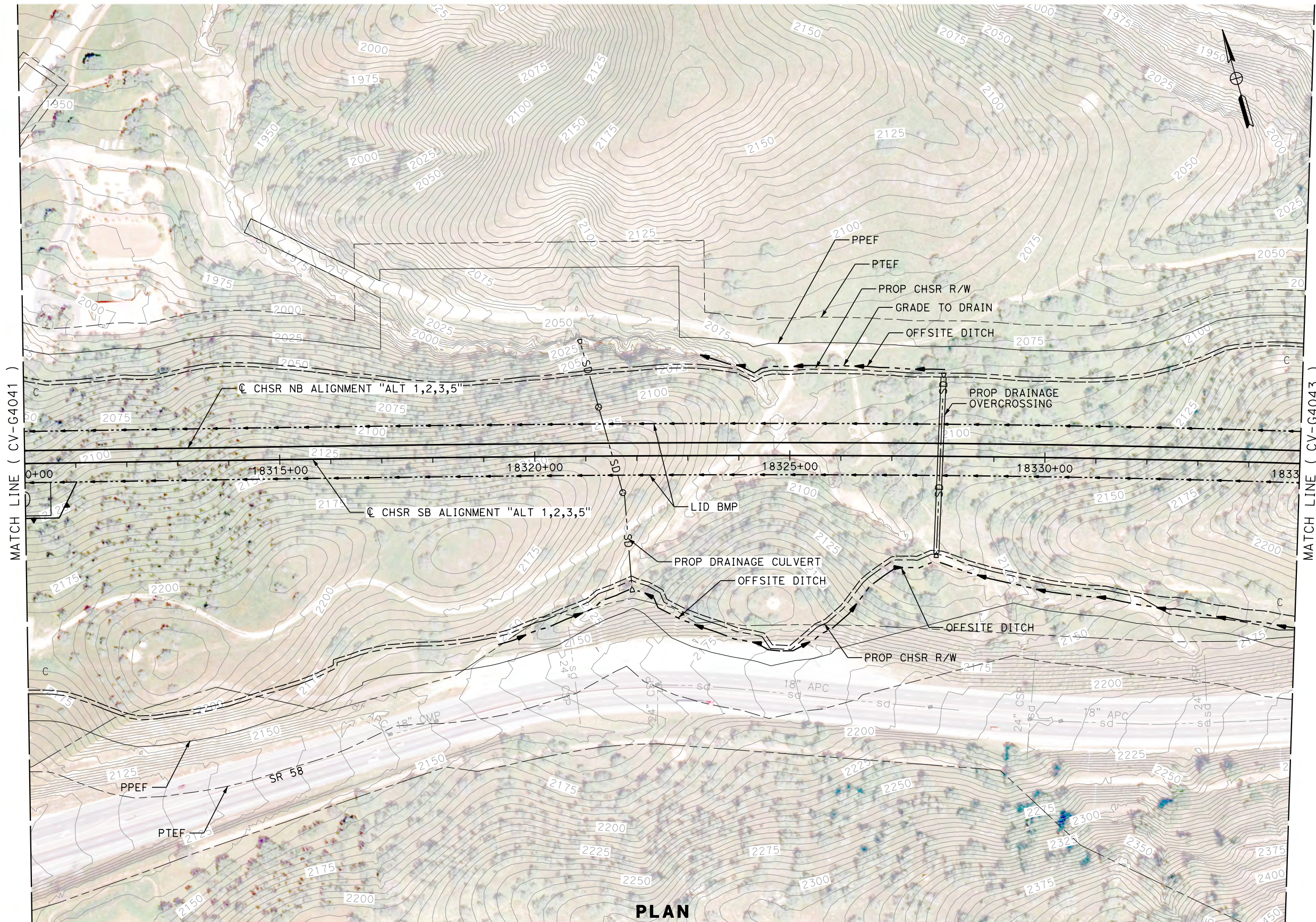


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18285+00 TO 18310+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4041
SCALE
AS SHOWN
SHEET NO.

Projects\701206\00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4042.dgn

11/7/2017 10:58:30 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

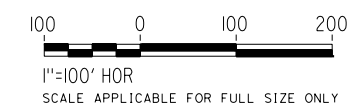
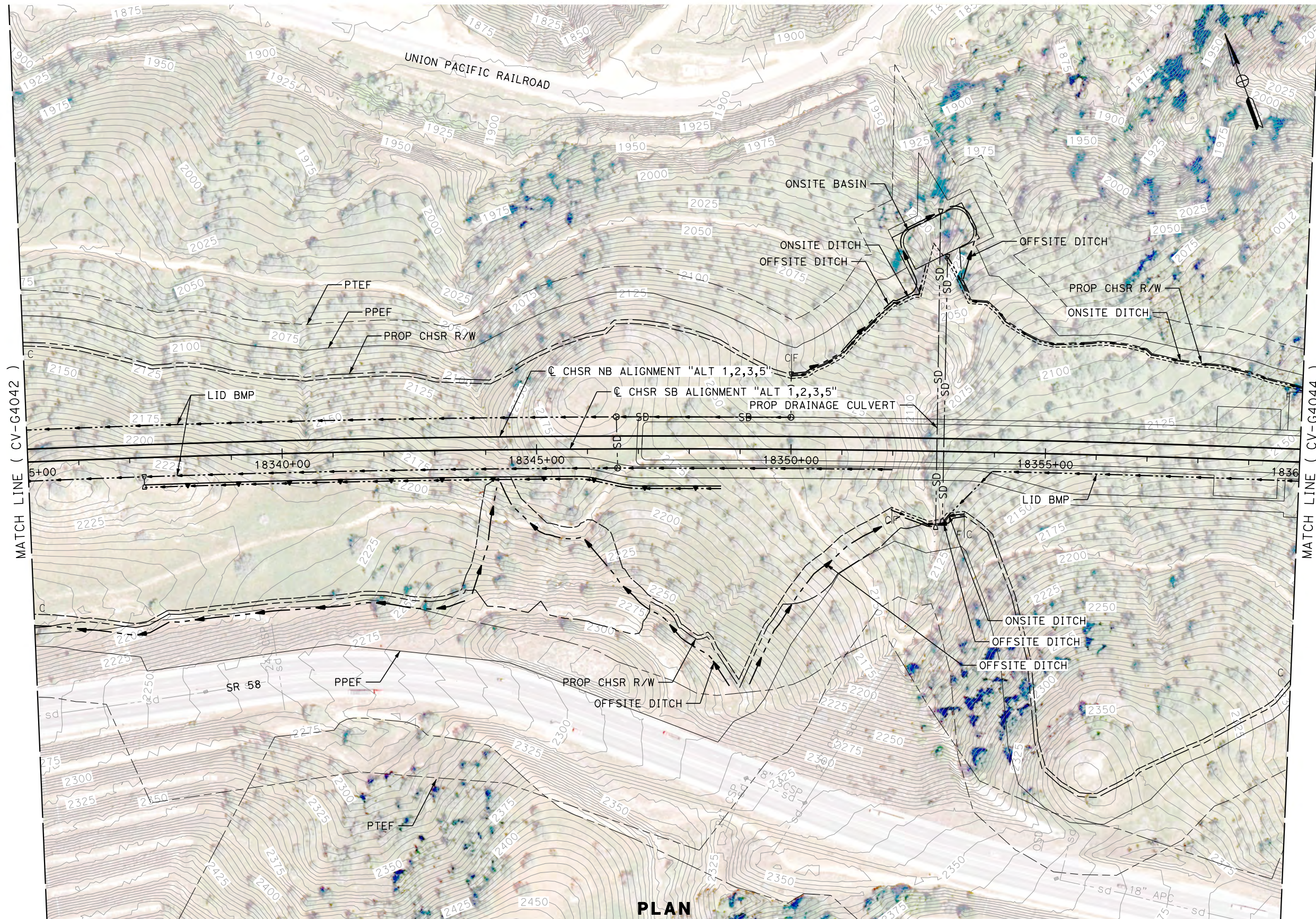


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18310+00 TO 18335+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4042
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4043.dgn

11/8/2017 12:40:42 PM
OIC:Adodge



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



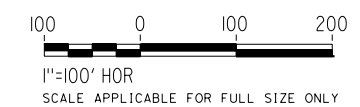
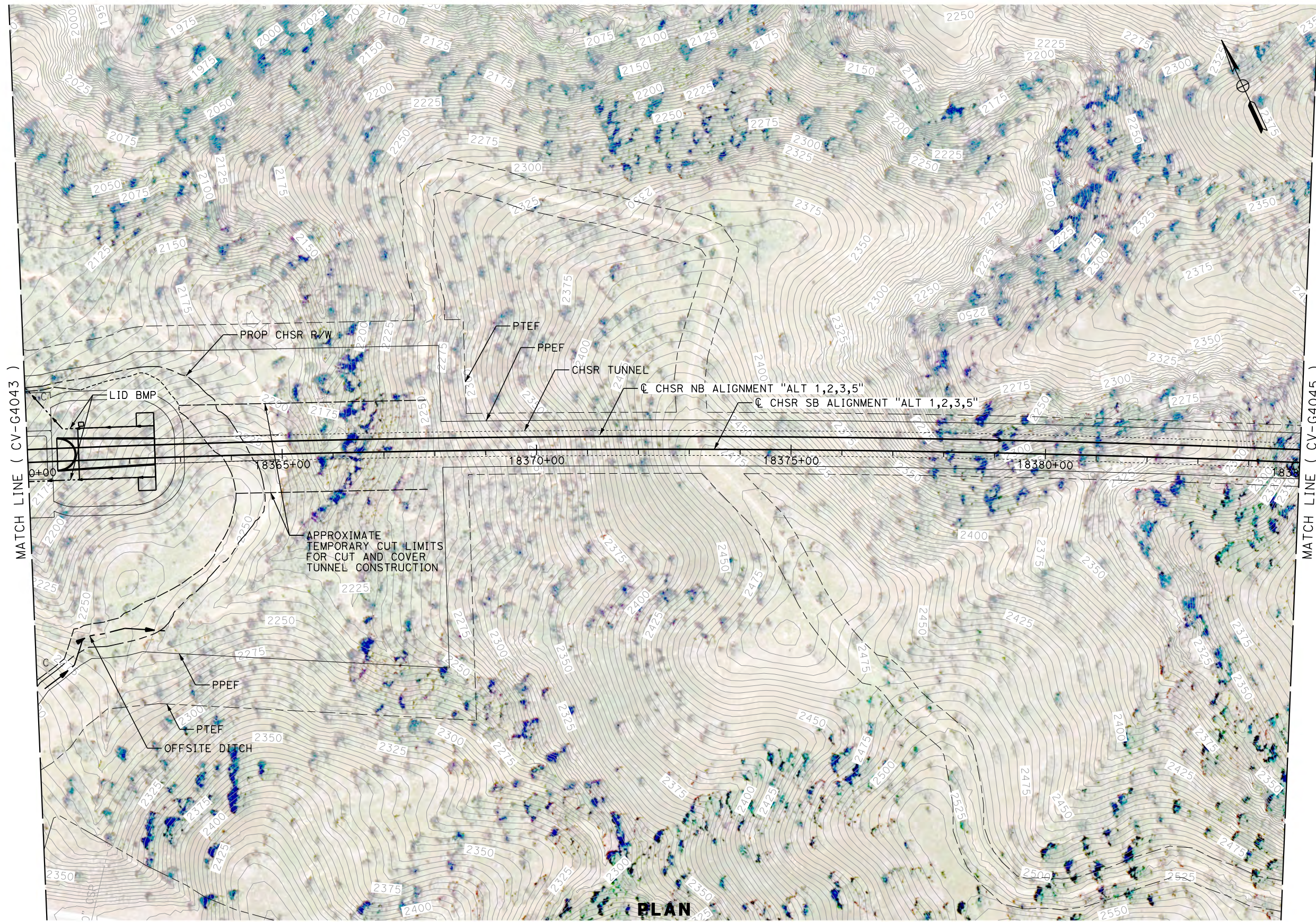
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18335+00 TO 18360+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4043
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\G_BP-CV-G4044.dgn

OIC:Adodge 11/7/2017 11:15:59 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



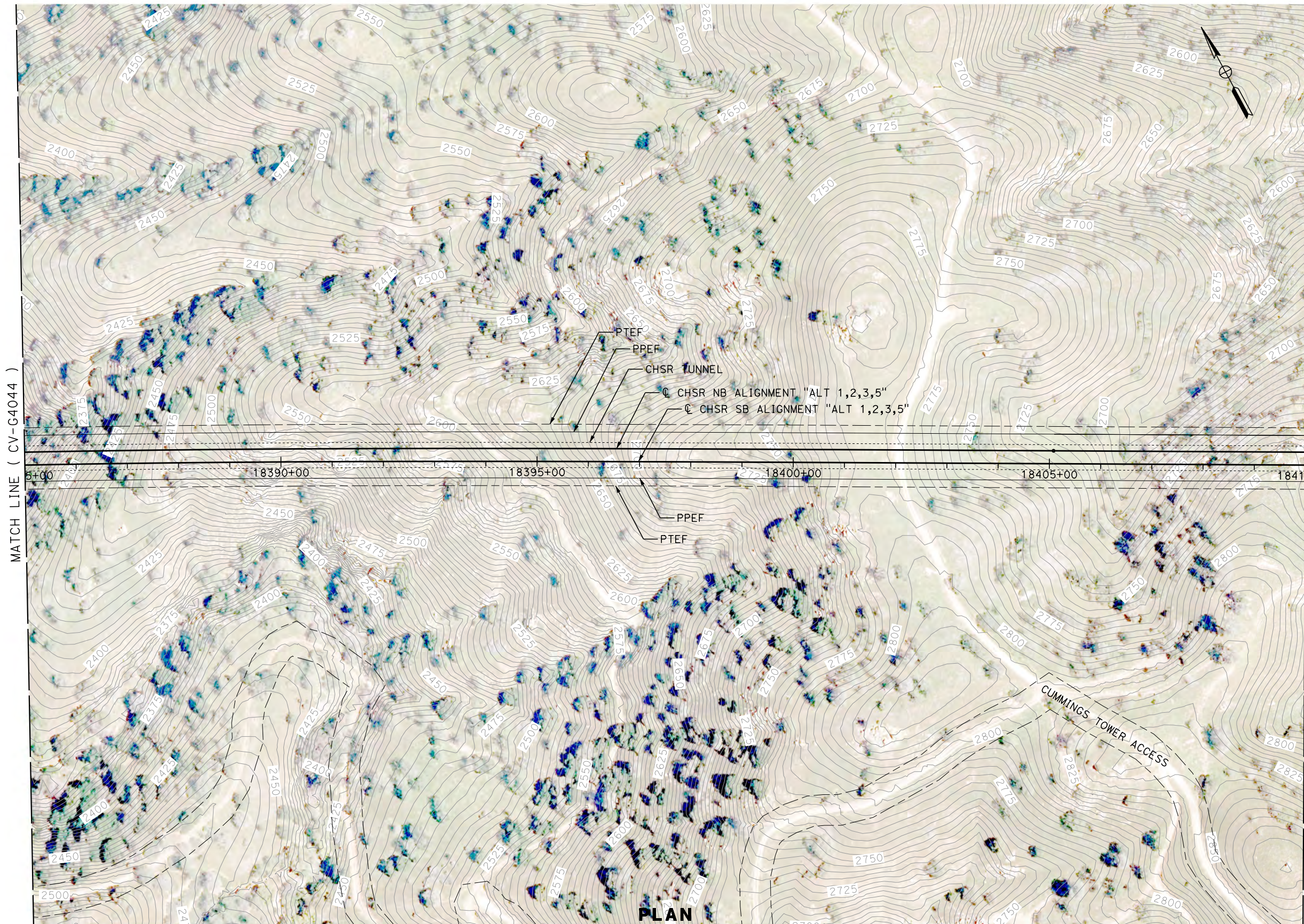
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18360+00 TO 18385+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4044
SCALE
AS SHOWN
SHEET NO.

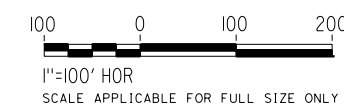
Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4045.dgn

OIC:Adodge 11/7/2017 11:02:25 PM



MATCH LINE (CV-G4044)

MATCH LINE (CV-G4046)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



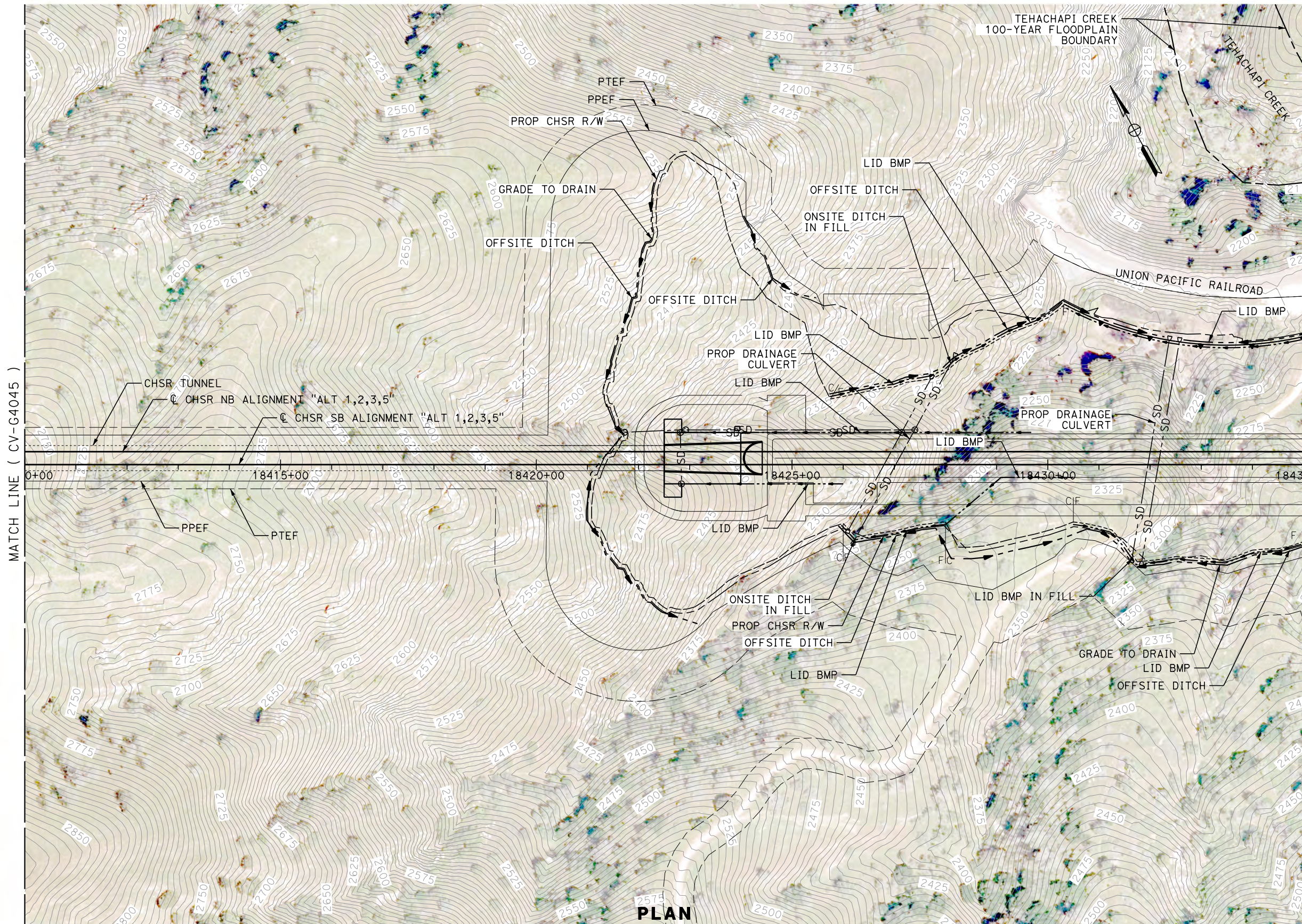
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18385+00 TO 18410+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4045
SCALE
AS SHOWN
SHEET NO.

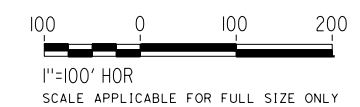
Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4046.dgn

OIC:Adodge 11/7/2017 11:07:41 PM



MATCH LINE (CV-G4045)

MATCH LINE (CV-G4047)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18410+00 TO 18435+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4046
SCALE
AS SHOWN
SHEET NO.