
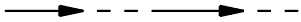

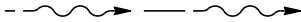
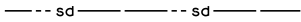
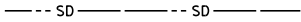


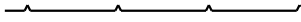

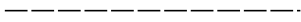
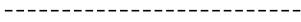










LEGEND

	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
	PROP CHSR R/W
	CUT GRADING LIMIT
	FILL GRADING LIMIT
	TUNNEL
	VIADUCT
	WILDLIFE CROSSING
	ACCESS ROAD CROSSING PANEL
	CUT
	FILL
	REMOVAL OR ABANDONMENT
	100-YEAR FLOODPLAIN BOUNDARY

GENERAL NOTES

NOTES:

- CULVERT STATION DESIGNATION IDENTIFIED AS CHSR 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 ENCROACHED INTO BY ACCESS ROAD OR TRACK FILL MAY NEED TO BE REALIGNED. THESE LOCATIONS WILL BE FINALIZED DURING FINAL ENGINEERING.
- TRACTION POWER AND TRAIN CONTROL FACILITY GRADING TO BE PROVIDED DURING FINAL ENGINEERING.
- ACCESS ROAD DITCH IMPROVEMENTS LABELED "COMBINED DITCH" TO BE FINALIZED DURING FINAL ENGINEERING.
- CULVERT DESIGN IS PRELIMINARY AND WILL BE COMPLETED DURING FINAL DESIGN.

PROFILE NOTES:

- PROFILE CUT ALONG CULVERT ALIGNMENT.
- CULVERT PROFILES, IN SOME CASES, DO NOT REFLECT THE FINAL GRADING LIMITS NEAR TUNNELS, BRIDGES, AND SOME ACCESS ROADS. PLAN GRADING AND CULVERT PROFILES TO BE COMPLETED DURING FINAL ENGINEERING.
- CULVERT PROFILES REFLECT PRELIMINARY ONSITE BASIN, RSP, AND/OR DITCH DESIGN. GRADING TO BE COMPLETED DURING FINAL ENGINEERING.
- WALLS REQUIRED AT THE UPSTREAM ENDS OF CULVERTS TO PREVENT OFFSITE DRAINAGE FROM ENTERING A CUT SECTION. WALL DESIGN TO BE COMPLETED DURING FINAL ENGINEERING.
- PIPES CROSSING UNDER HST TRACKWAY SHALL BE A MINIMUM OF 6 FEET BELOW TOP OF RAIL AND 3 FEET BELOW THE FLOW LINE OF DITCH ALONG THE TRACKWAY. PIPES NOT UNDER TRACKS SHALL HAVE 4 FT OF COVER WITHIN 45 FT OF THE TRACK CENTERLINE AND 3 FT MINIMUM ELSEWHERE. SEE TM 2.6.5 FOR MORE INFORMATION.

STORMWATER NOTES:

- TRACK AND ACCESS ROAD 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 BMP. SUPERELEVATE ACCESS ROAD AS NEEDED TO DIRECT STORMWATER TO BMP. BMP DESIGNS TO BE ADDRESSED DURING FINAL ENGINEERING.

UTILITY NOTES:

- IT IS ASSUMED THAT ALL EXISTING DRAINAGE UTILITIES THAT ARE LOCATED WITHIN THE HSR TRACK GRADING LIMITS WILL BE REMOVED AND ALL EXISTING DRAINAGE UTILITIES THAT ARE LOCATED WITHIN ROADWAY OR ACCESS ROAD GRADING LIMITS WILL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED ON PLANS.
- 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\CCNM Op\10n D\Sheets\CV\G\BP-CV-G0101 8:03:04 PM 1/24/2020 megan.blacet@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY G. YAMANAKA
DRAWN BY B. MOZAFFARIAN
CHECKED BY G. YAMANAKA
IN CHARGE G. CAMPBELL
DATE 01/24/2020

**RECORD
PEPD
SUBMITTAL**

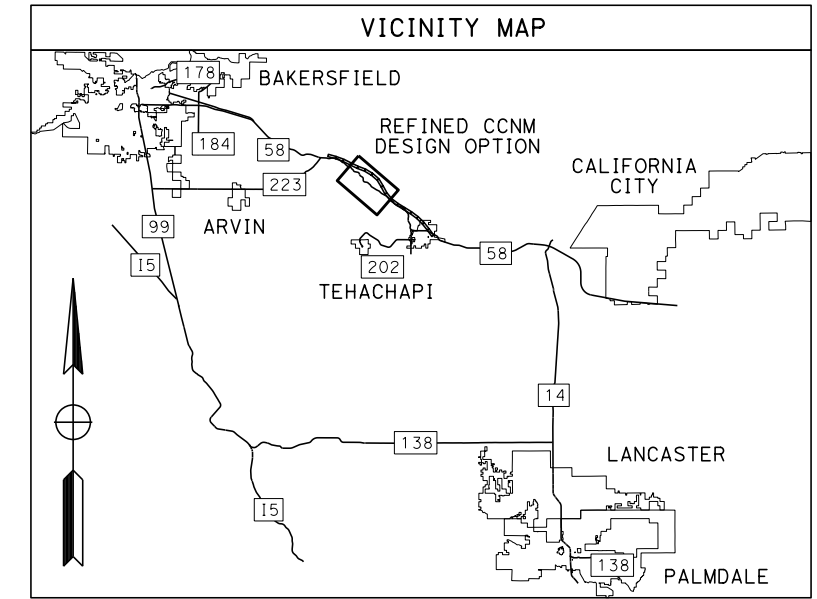
**NOT FOR
CONSTRUCTION**



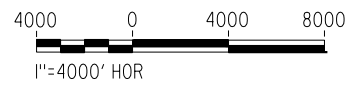
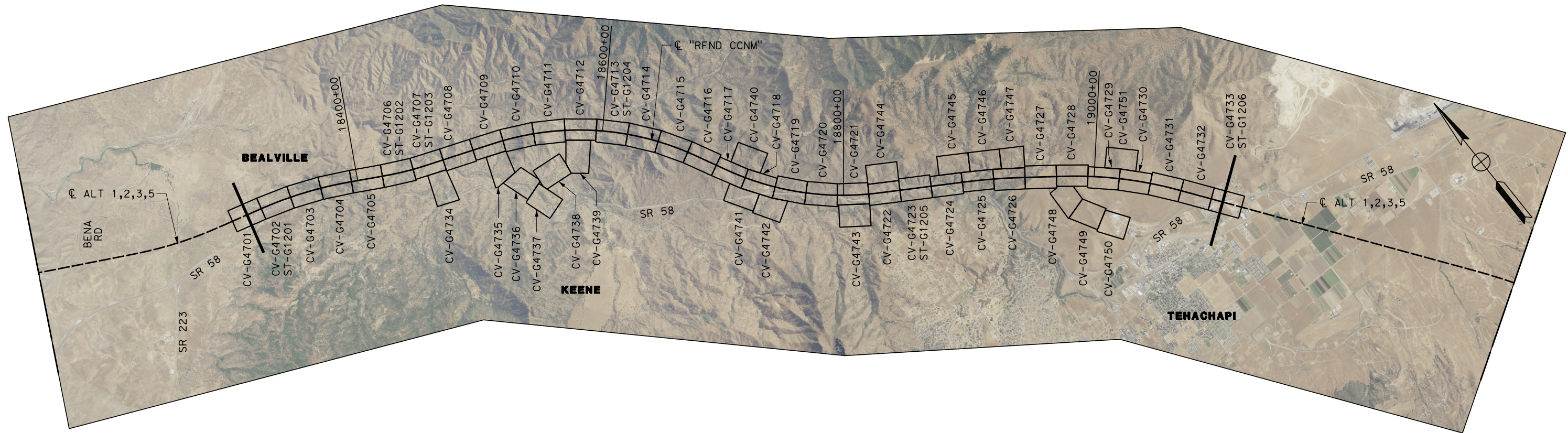
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

REFINED CCNM DESIGN OPTION
GRADING, DRAINAGE, AND RETAINING WALLS
GENERAL
LEGEND AND GENERAL NOTES

CONTRACT NO. HSR13-44
DRAWING NO. CV-G0101
SCALE NO SCALE
SHEET NO.



REFINED CCNM DESIGN OPTION



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
B. MOZAFFARIAN
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

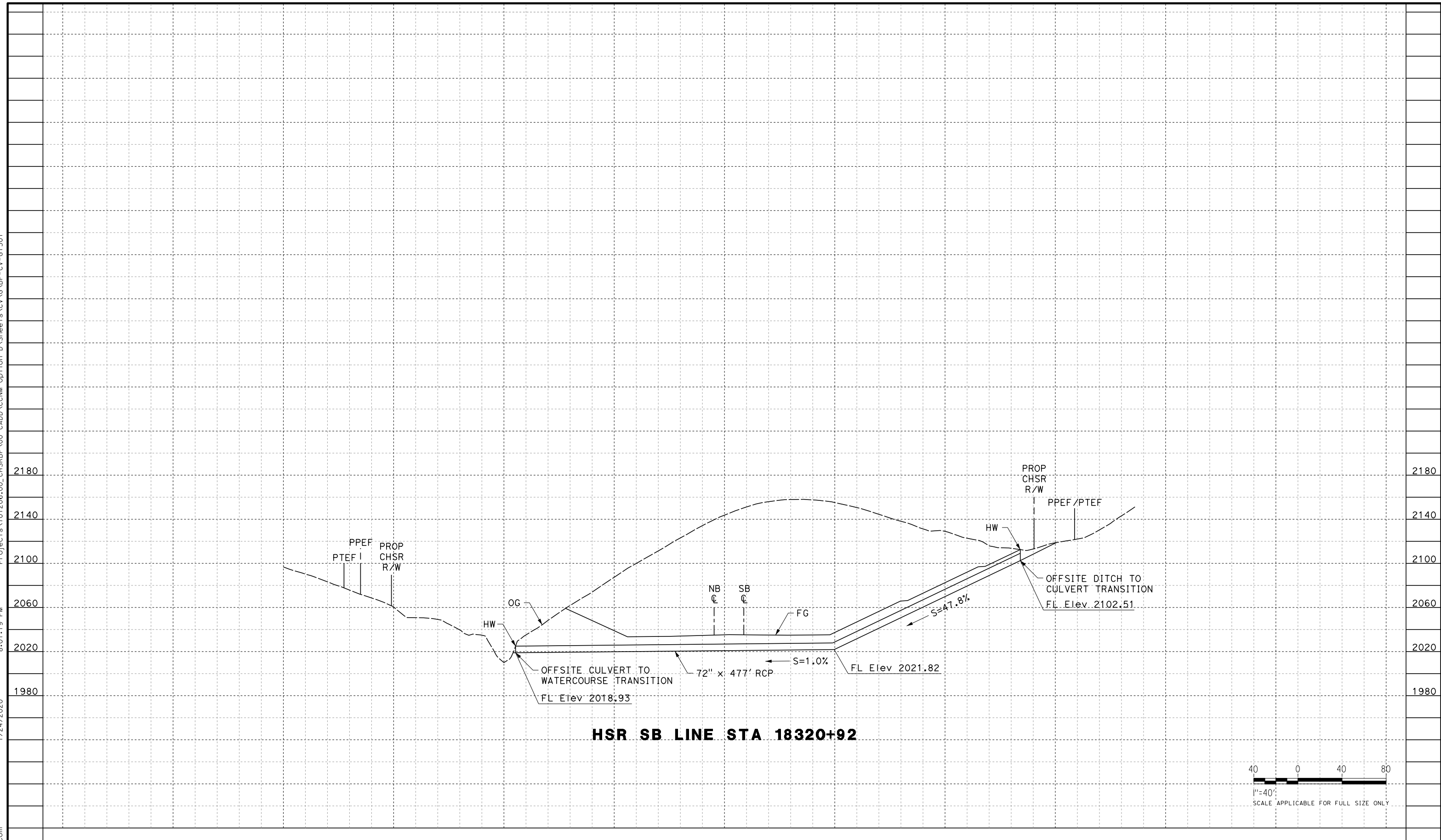


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
GRADING, DRAINAGE, AND RETAINING WALLS
GENERAL
KEY MAP

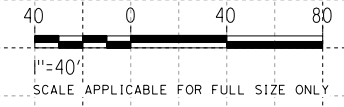
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G0102
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion_D\Sheets\CV\G\BP-CV-G1501
 8:01:19 PM
 1/24/2020

megan.blacett@tylin.com



HSR SB LINE STA 18320+92



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

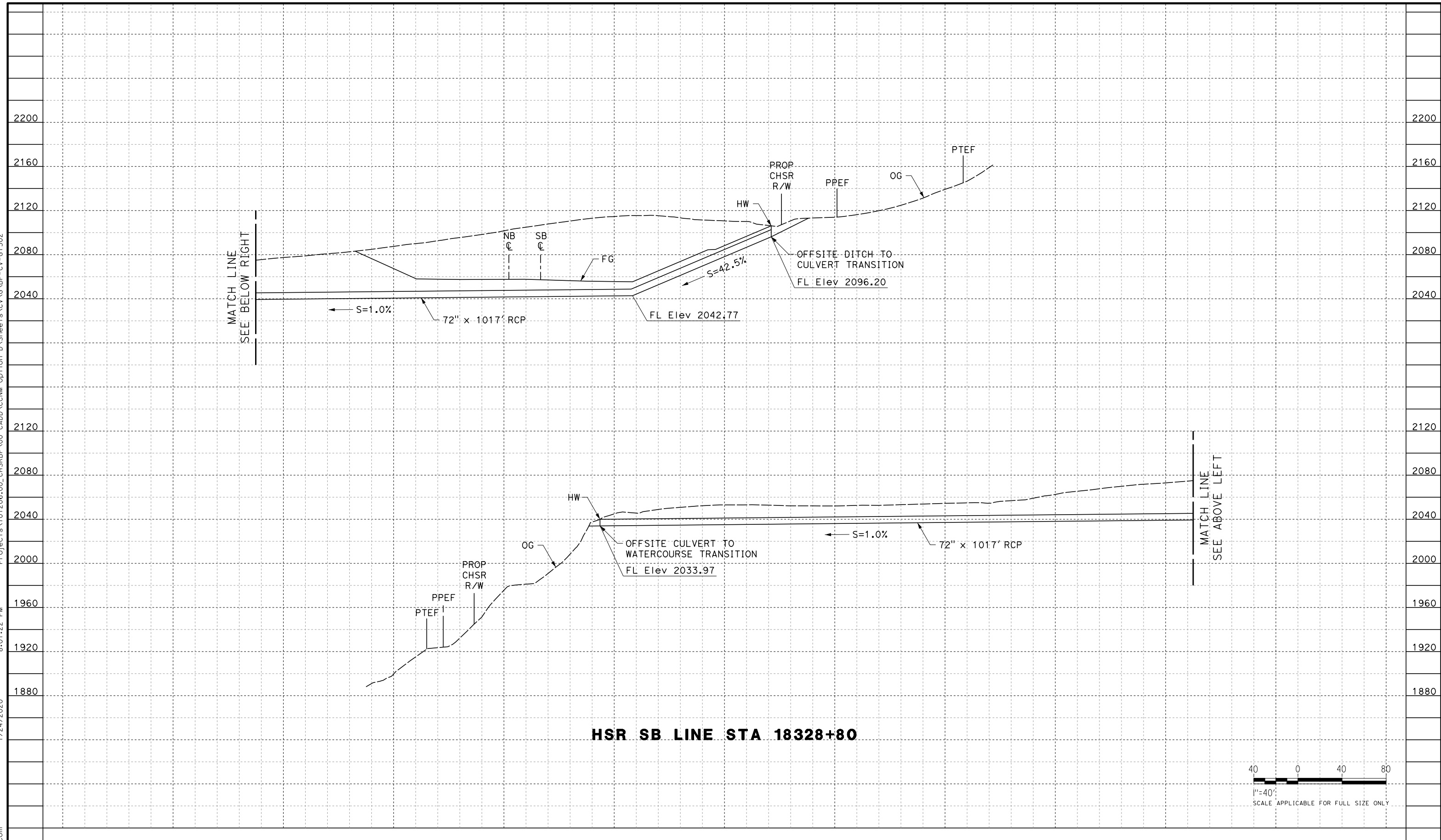


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18320+92

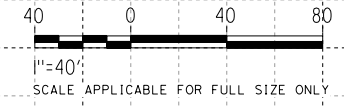
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1501
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\1ion D:\Sheets\CV\G\BP-CV-G1502
 8:01:22 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18328+80



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

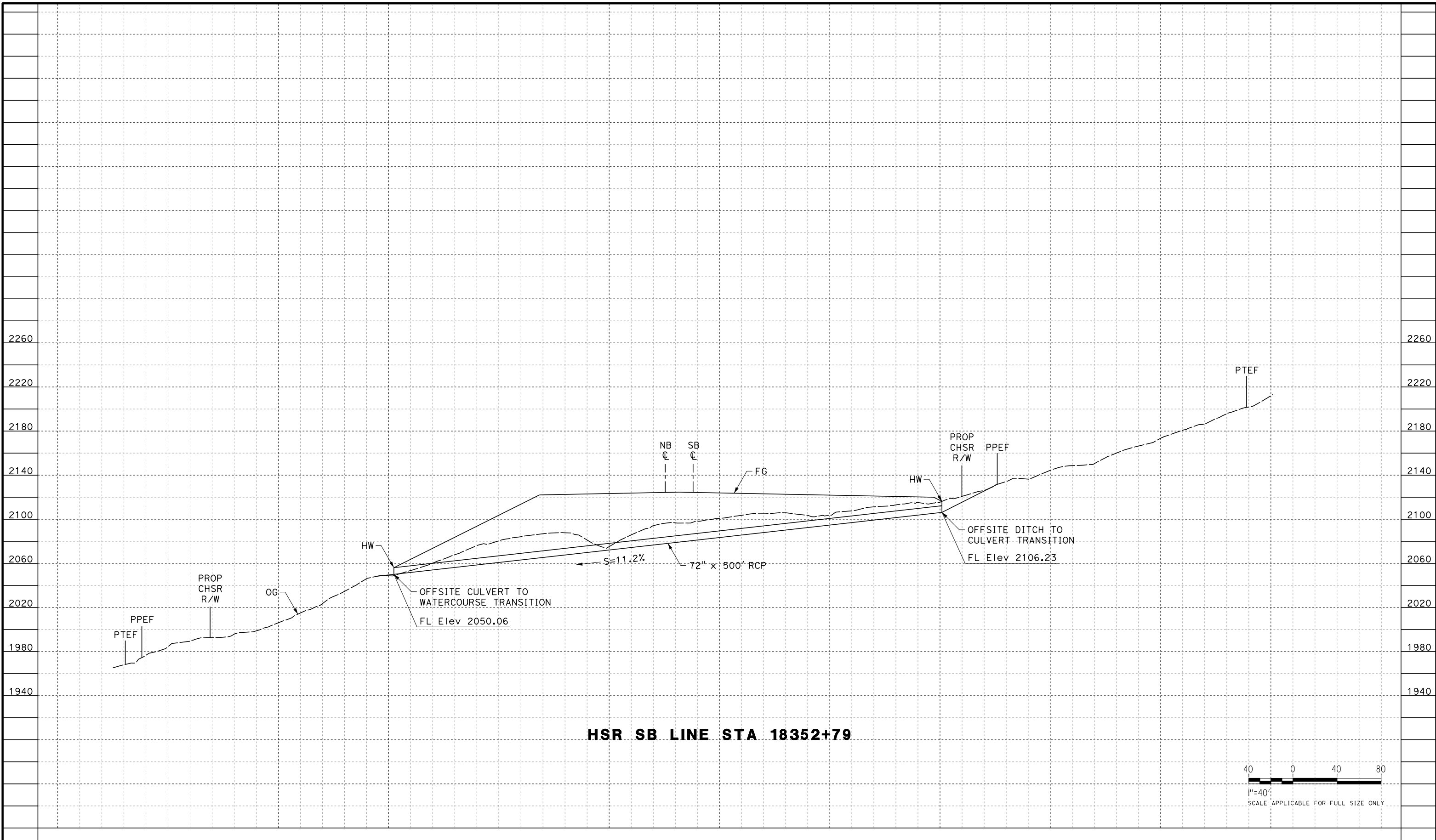
**NOT FOR
 CONSTRUCTION**



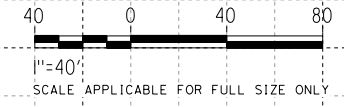
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18328+80

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1502
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion D\Sheets\CV\G\BP-CV-G1503
 8:01:20 PM
 1/24/2020
 megan.blacet@tylin.com



HSR SB LINE STA 18352+79



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

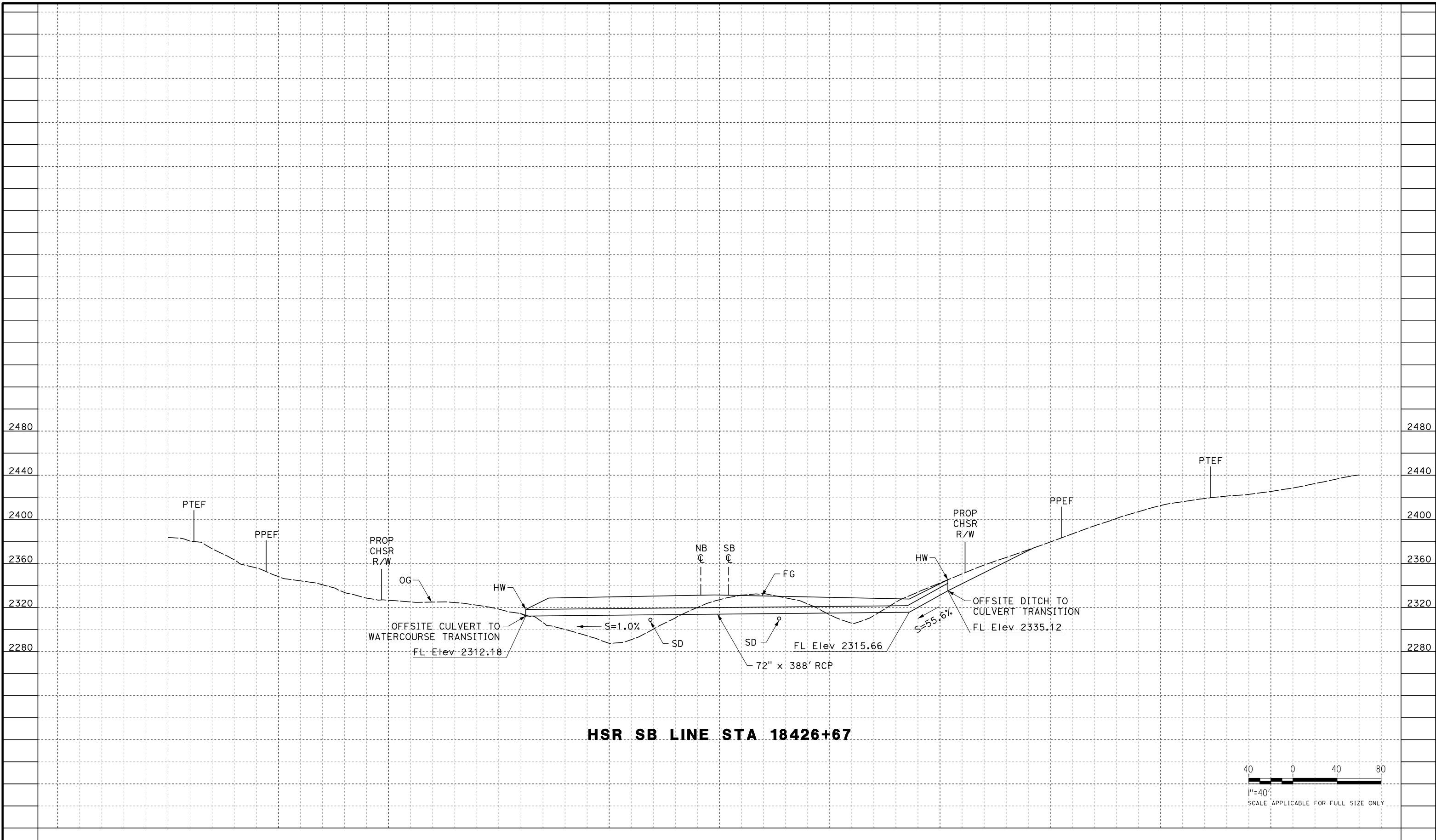


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18352+79

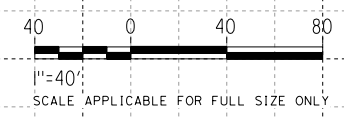
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1503
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\1ion D\Sheets\CV\G\BP-CV-G1504
 8:01:28 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18426+67



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

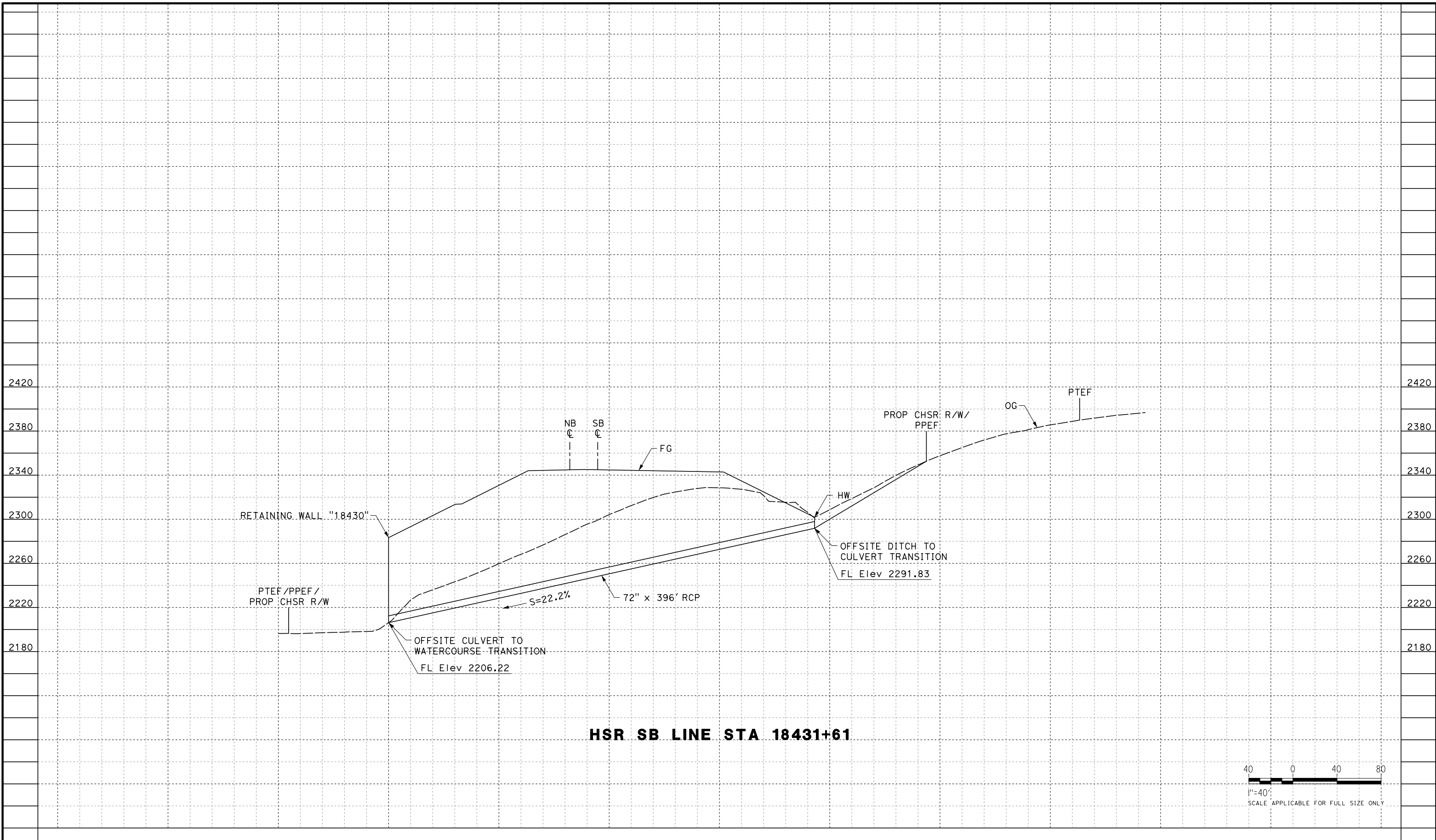


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18426+67

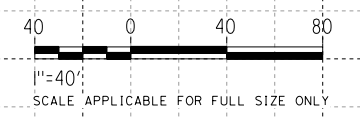
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1504
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Option_D\Sheets\CV\G\BP-CV-G1505
 8:01:21 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18431+61



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

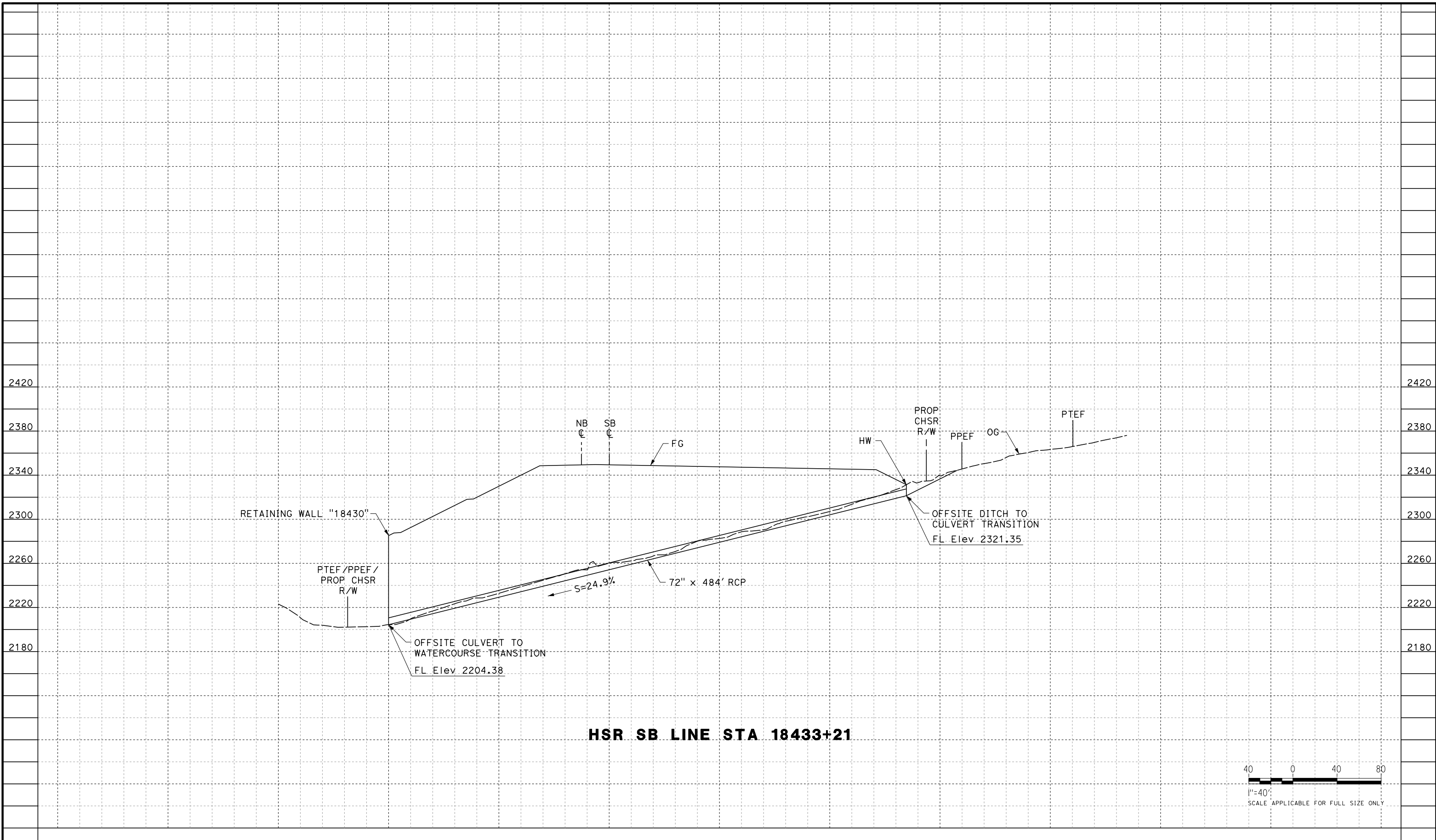


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18431+61

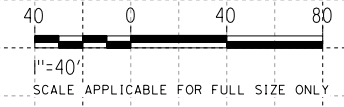
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1505
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CADD\CCNM_Option D\Sheets\CV\G\BP-CV-G1506
 8:01:31 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18433+21



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

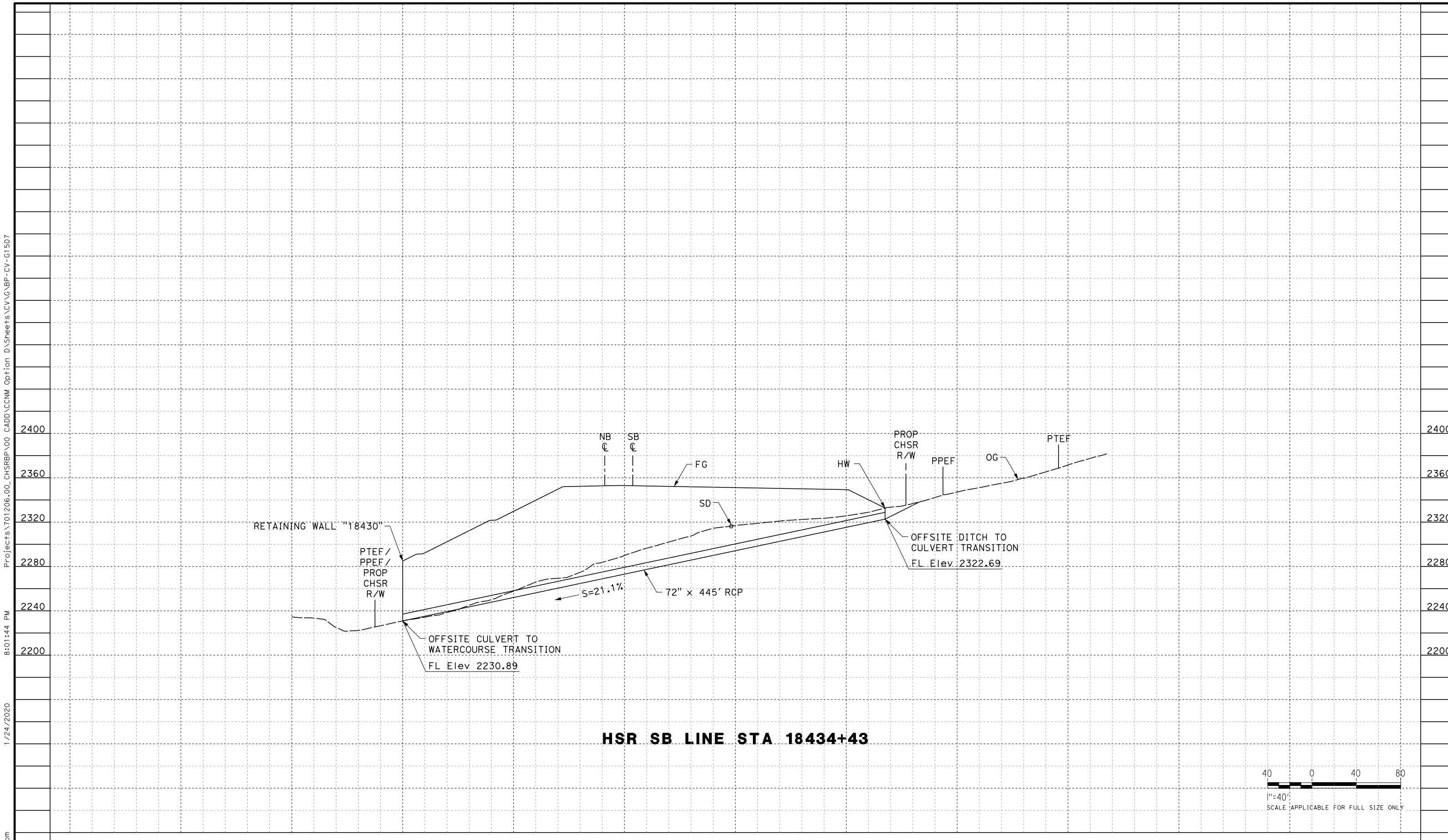


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18433+21

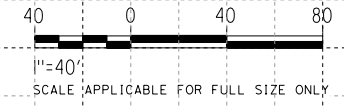
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1506
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion_D\Sheets\CV\GABP-CV-G1507
 8:01:44 PM
 1/24/2020

megan.blace@tylin.com



HSR SB LINE STA 18434+43



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

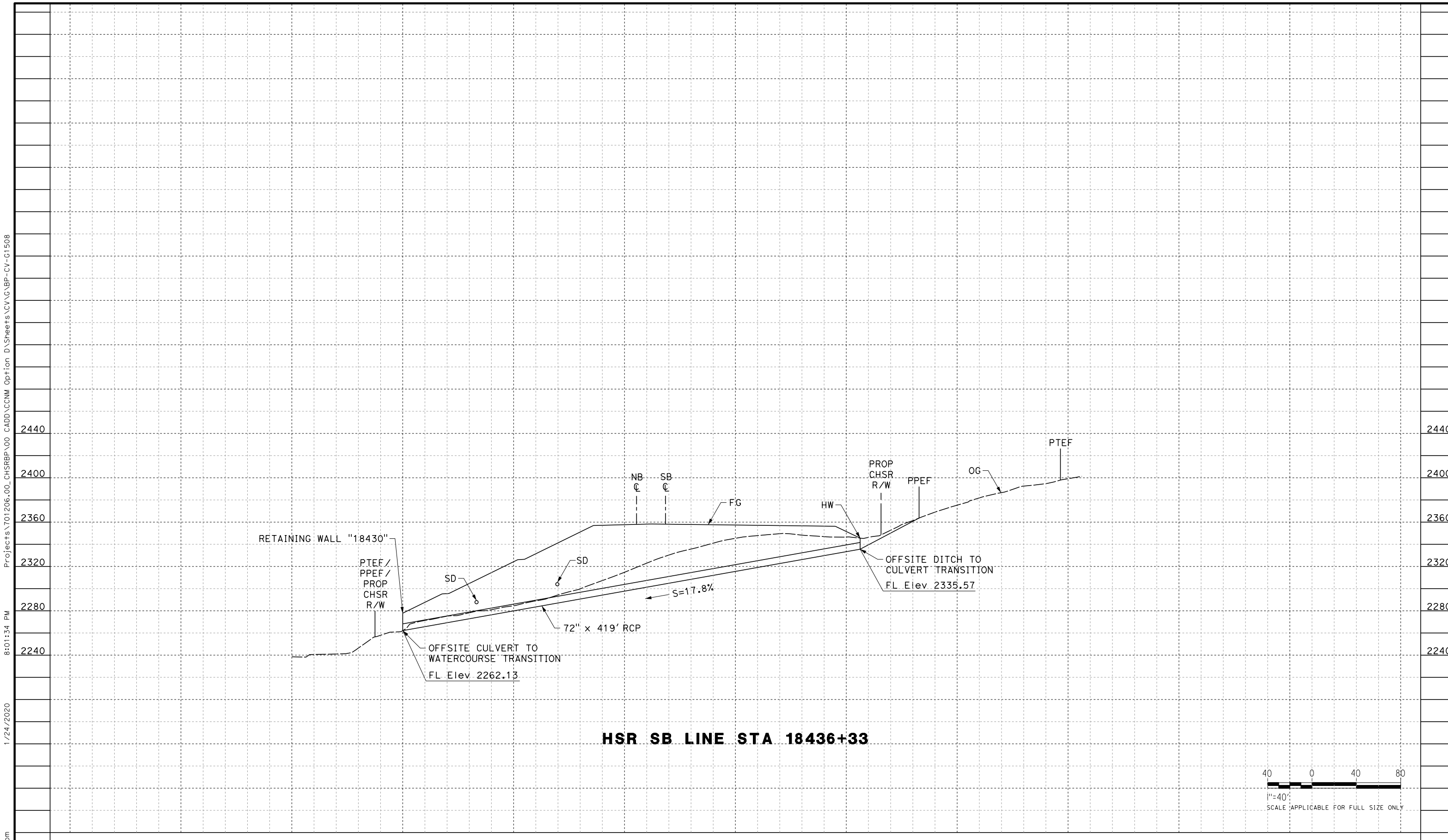


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18434+43

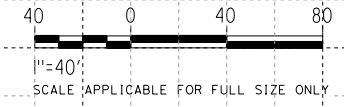
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1507
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion_D\Sheets\CV\G\BP-CV-G1508
 8:01:34 PM
 1/24/2020

megan.blacett@tylin.com



HSR SB LINE STA 18436+33



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

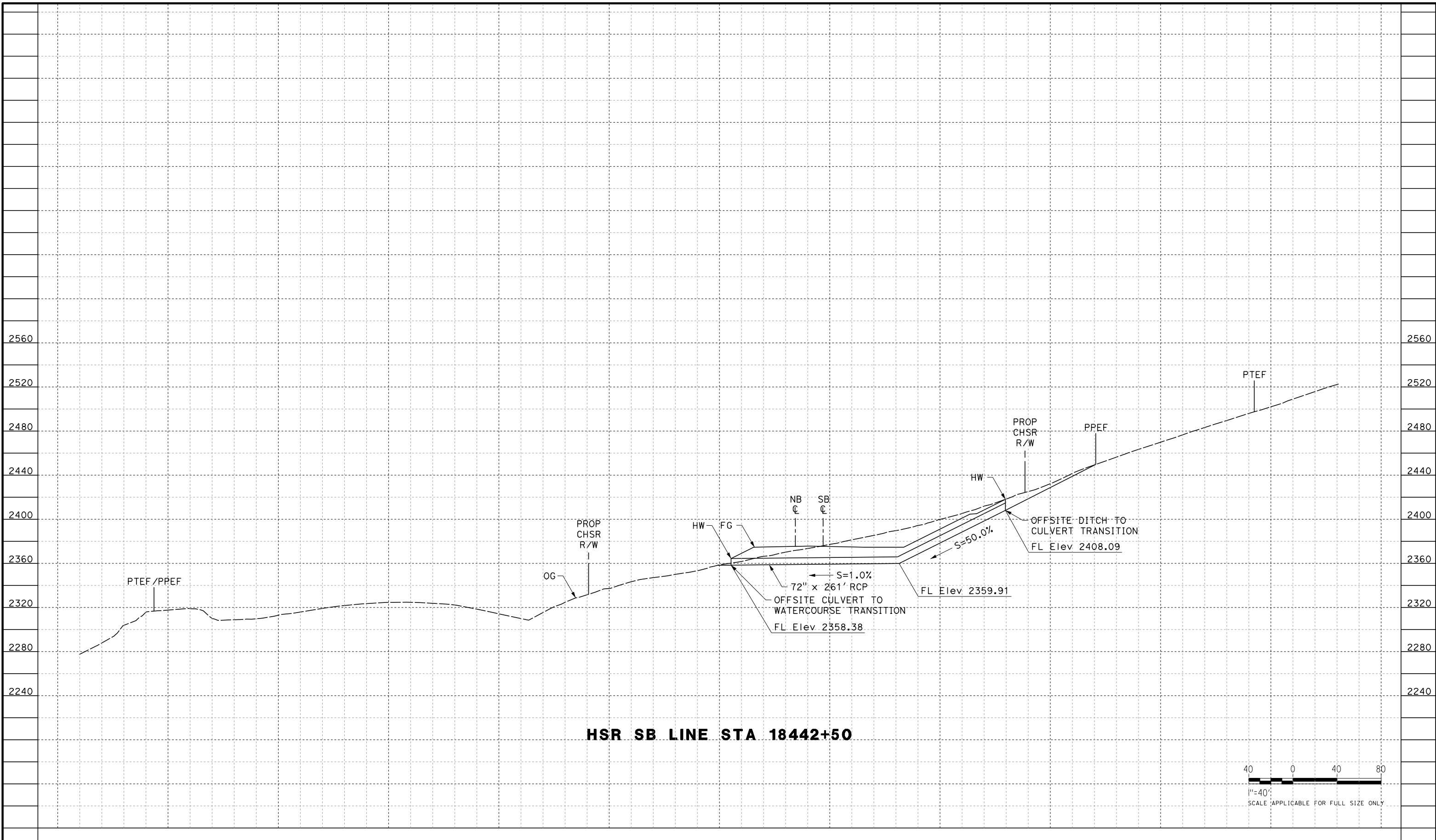


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18436+33

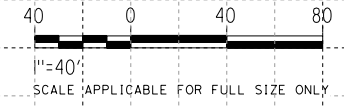
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1508
 SCALE
AS SHOWN
 SHEET NO.

1/24/2020 8:01:54 PM Projects\701206.00_CHSRBP\00_CADD\CCNM_Option_D\Sheets\CV\G\BP-CV-G1509

megan.blace@tylin.com



HSR SB LINE STA 18442+50



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

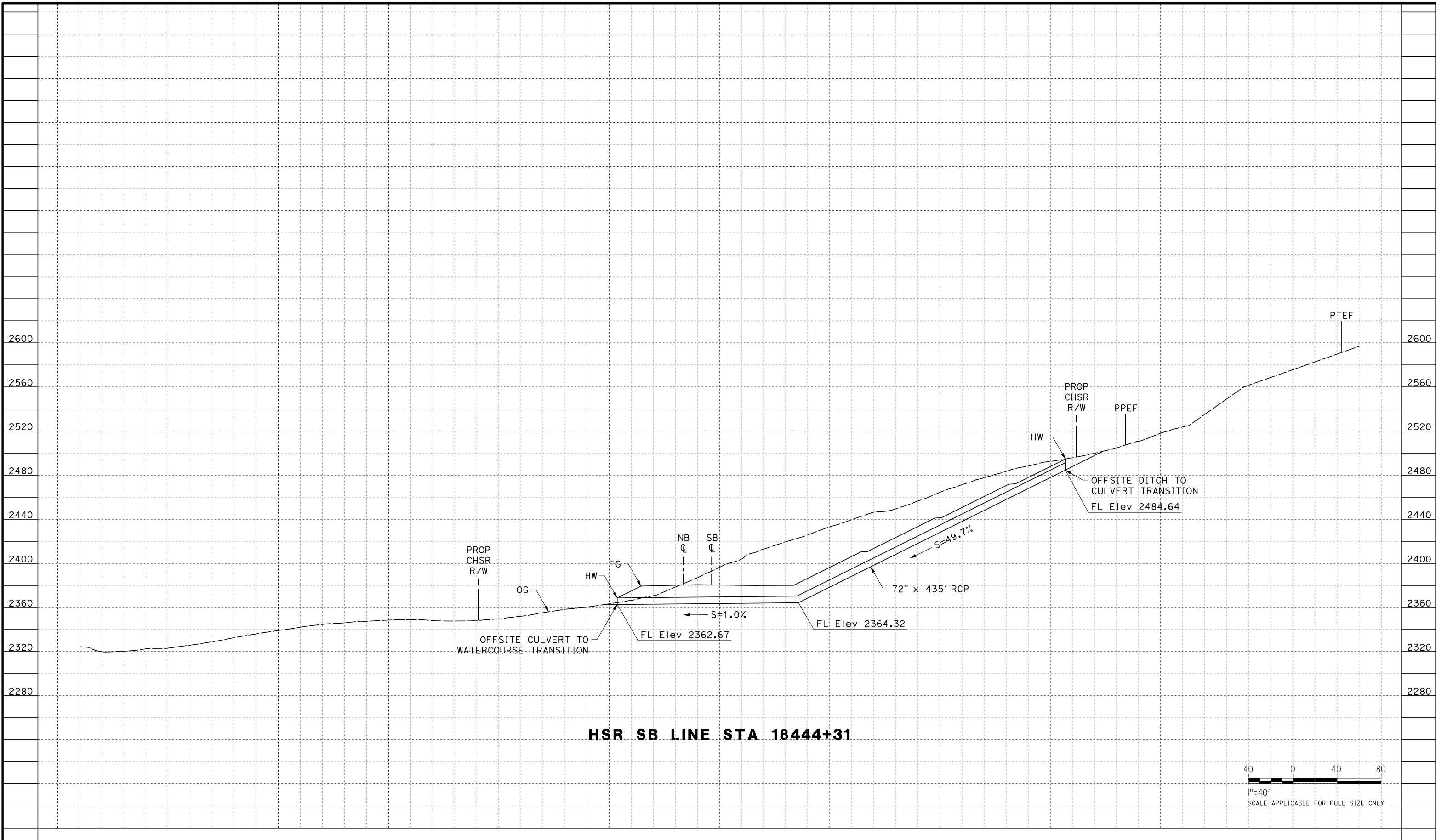


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18442+50

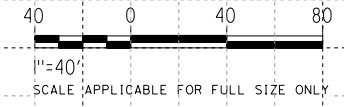
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1509
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Option D\Sheets\CV\G\BP-CV-G1510
 8:01:36 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18444+31



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

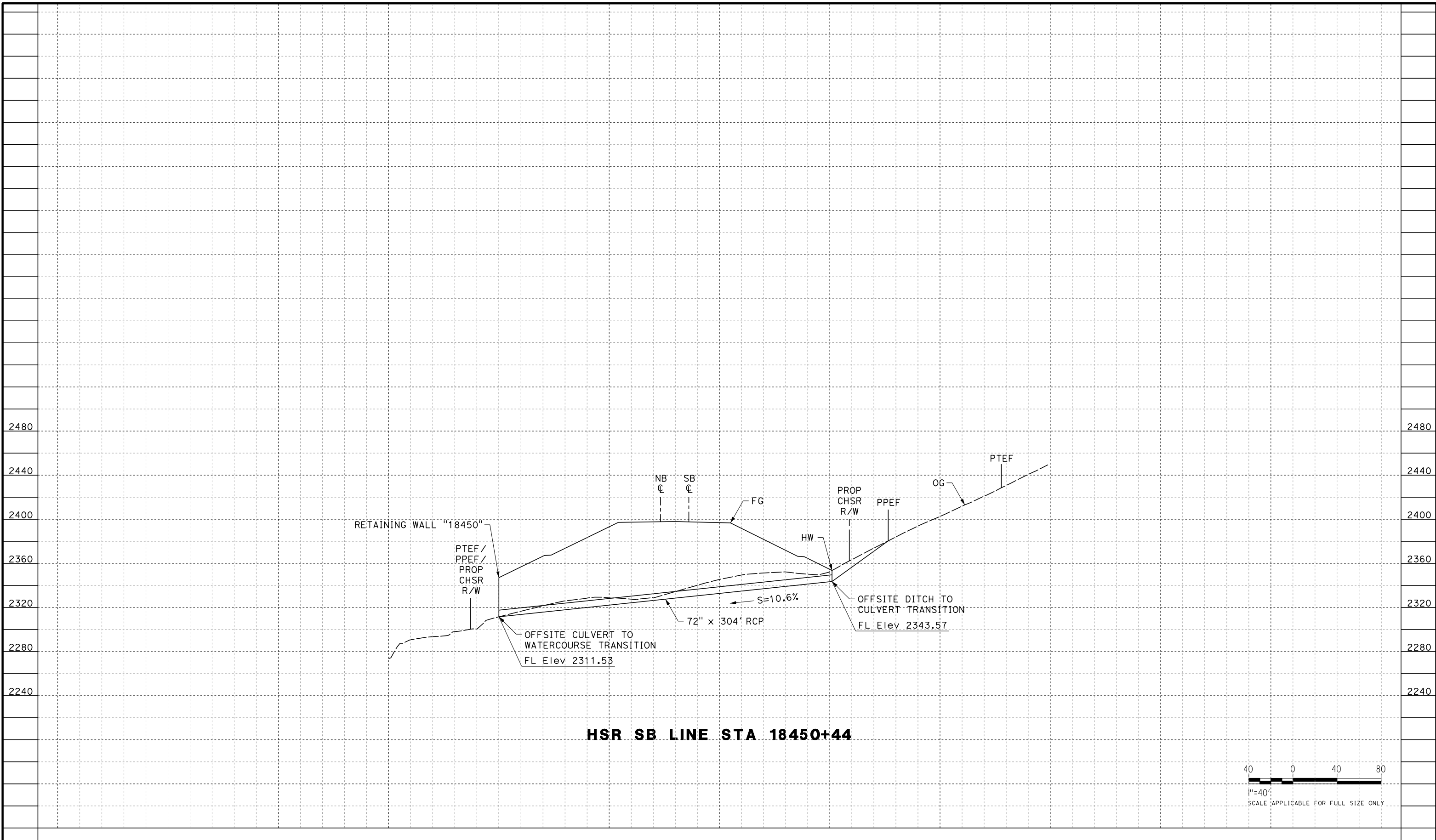
**NOT FOR
 CONSTRUCTION**



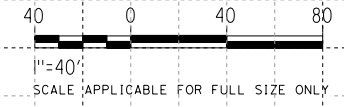
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18444+31

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1510
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Option_D\Sheets\CV\GABP-CV-G1511
 8:01:58 PM
 1/24/2020
 megan.blace@tylin.com



HSR SB LINE STA 18450+44



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

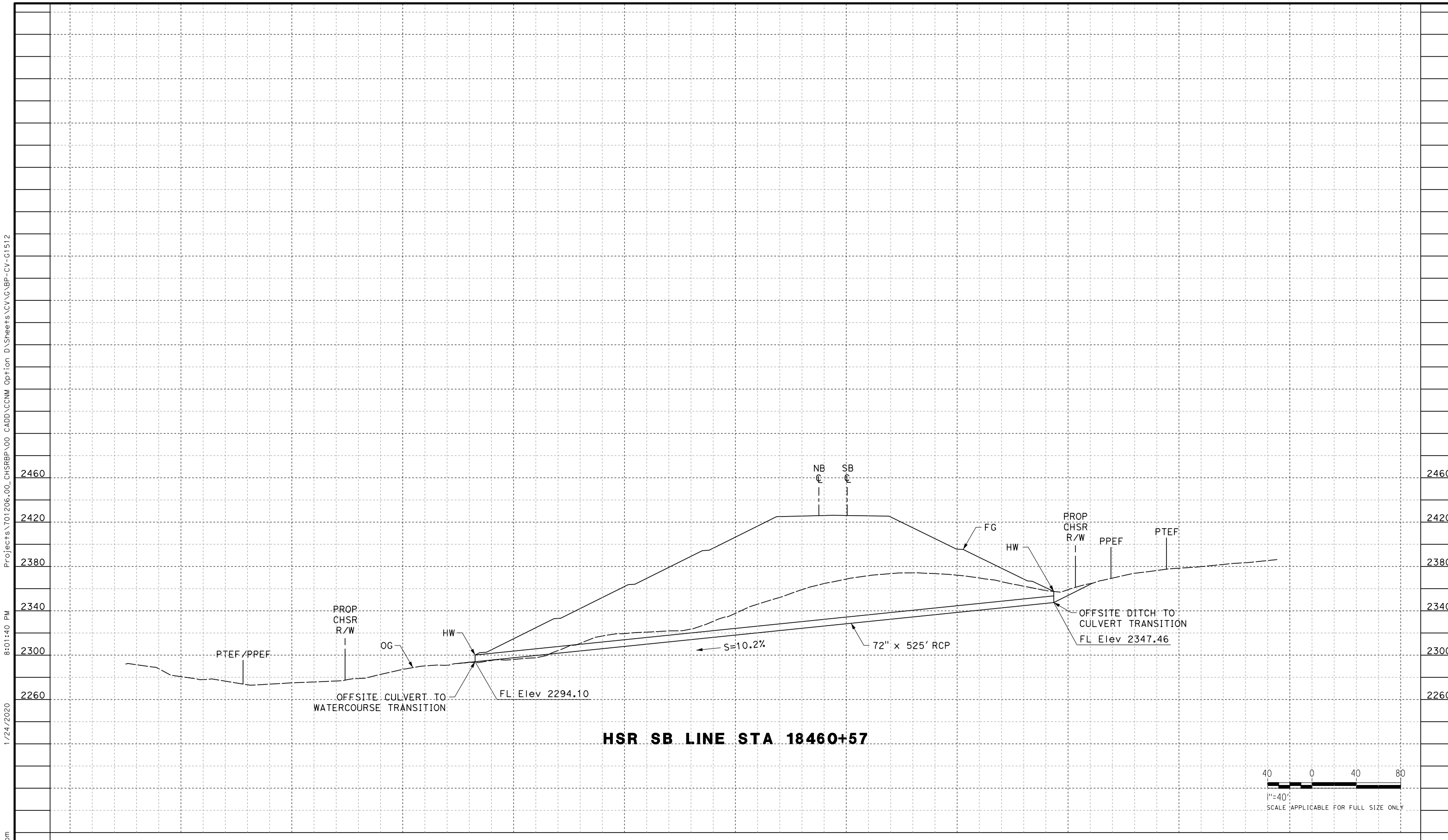


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18450+44

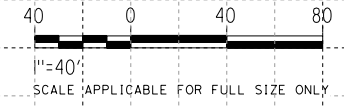
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1511
 SCALE
AS SHOWN
 SHEET NO.

1/24/2020 8:01:40 PM Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion D\Sheets\CV\G\BP-CV-G1512

megan.b.lace@tylin.com



HSR SB LINE STA 18460+57



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

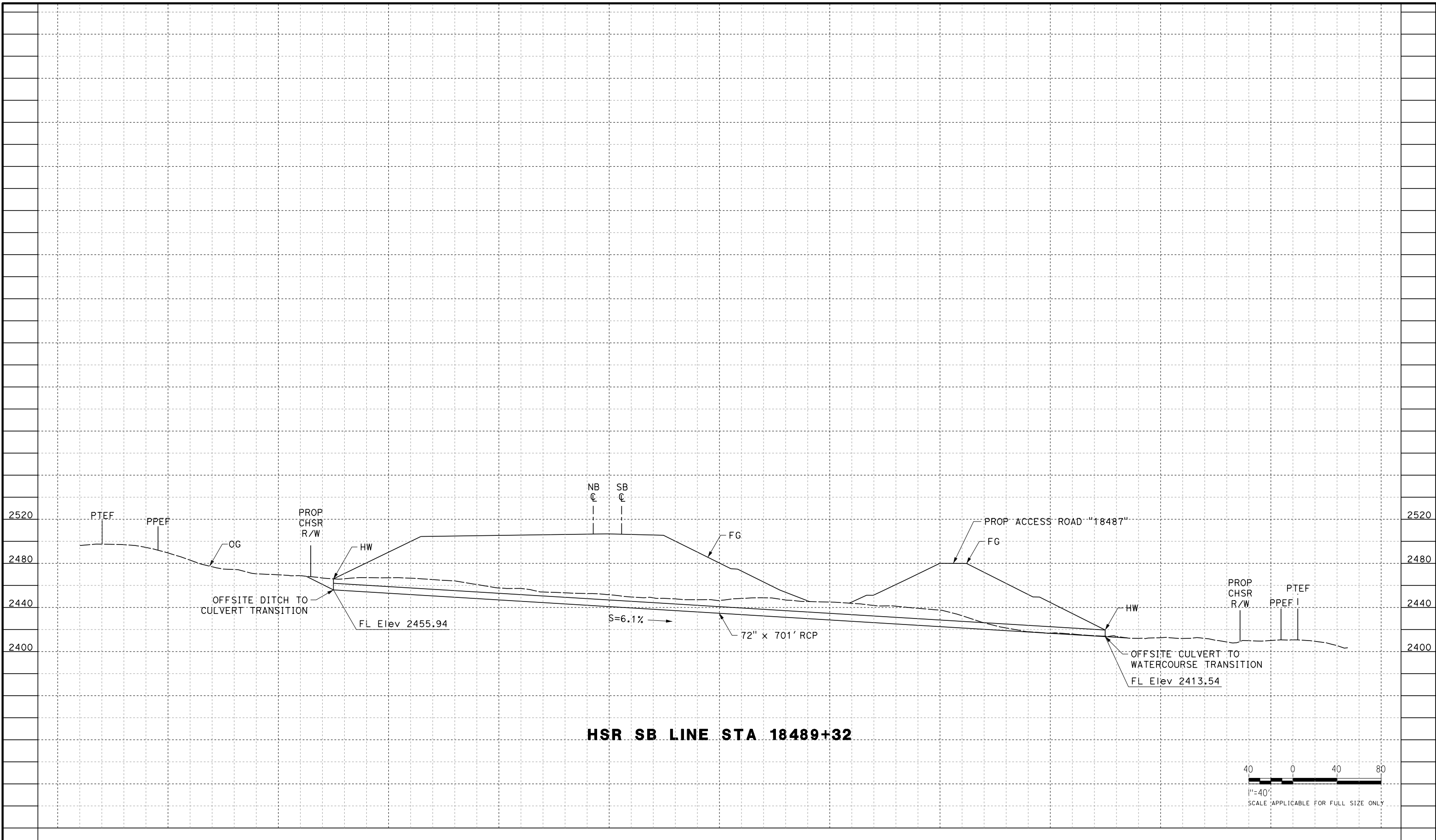


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18460+57

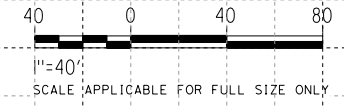
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1512
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion_D\Sheets\CV\G\BP-CV-G1513
 8:02:04 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18489+32



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

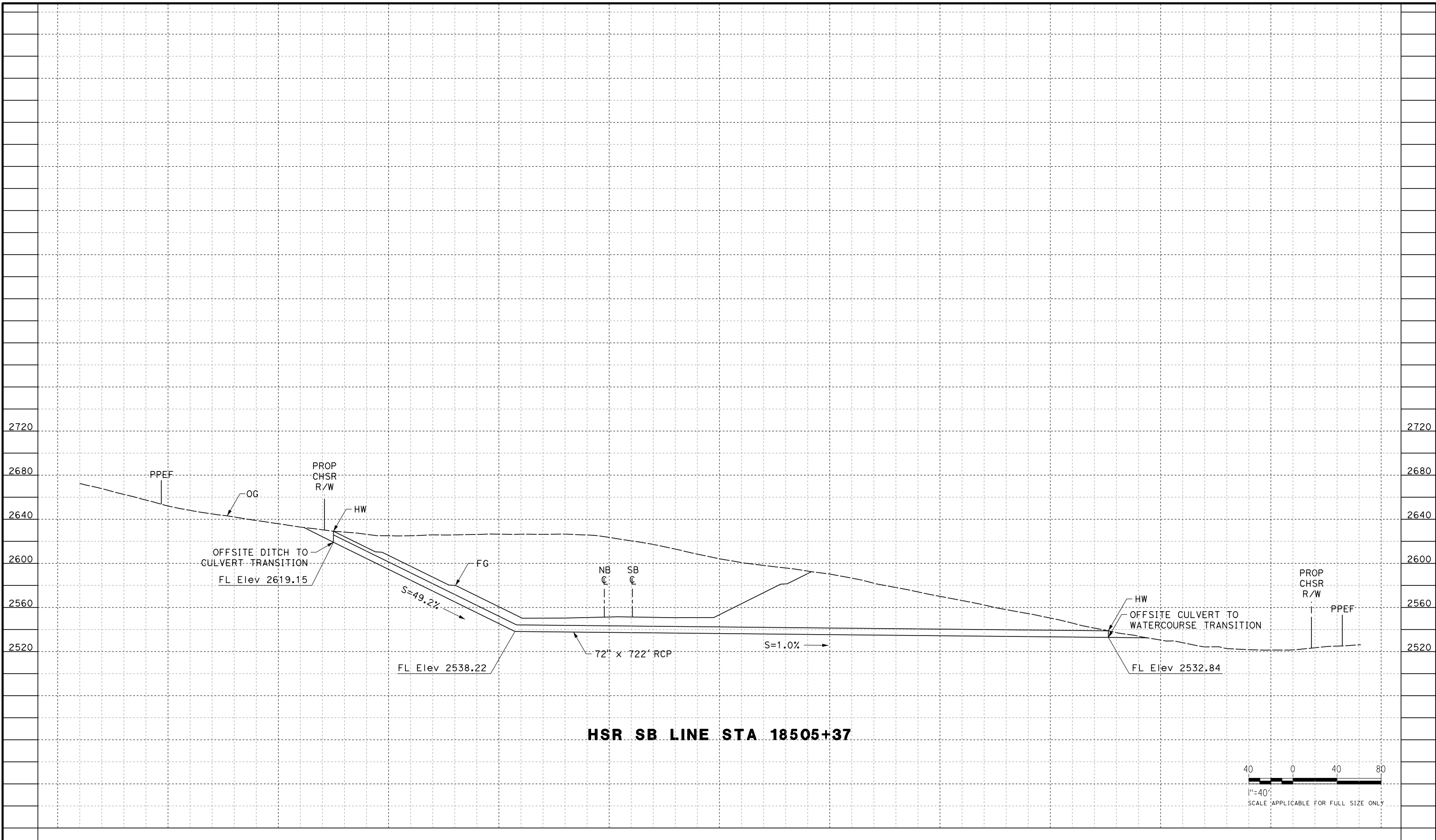


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18489+32

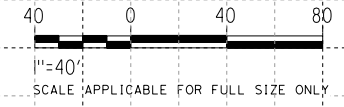
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1513
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion_D\Sheets\CV\G\BP-CV-G1514
 8:01:50 PM
 1/24/2020

megan.blace@tylin.com



HSR SB LINE STA 18505+37



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

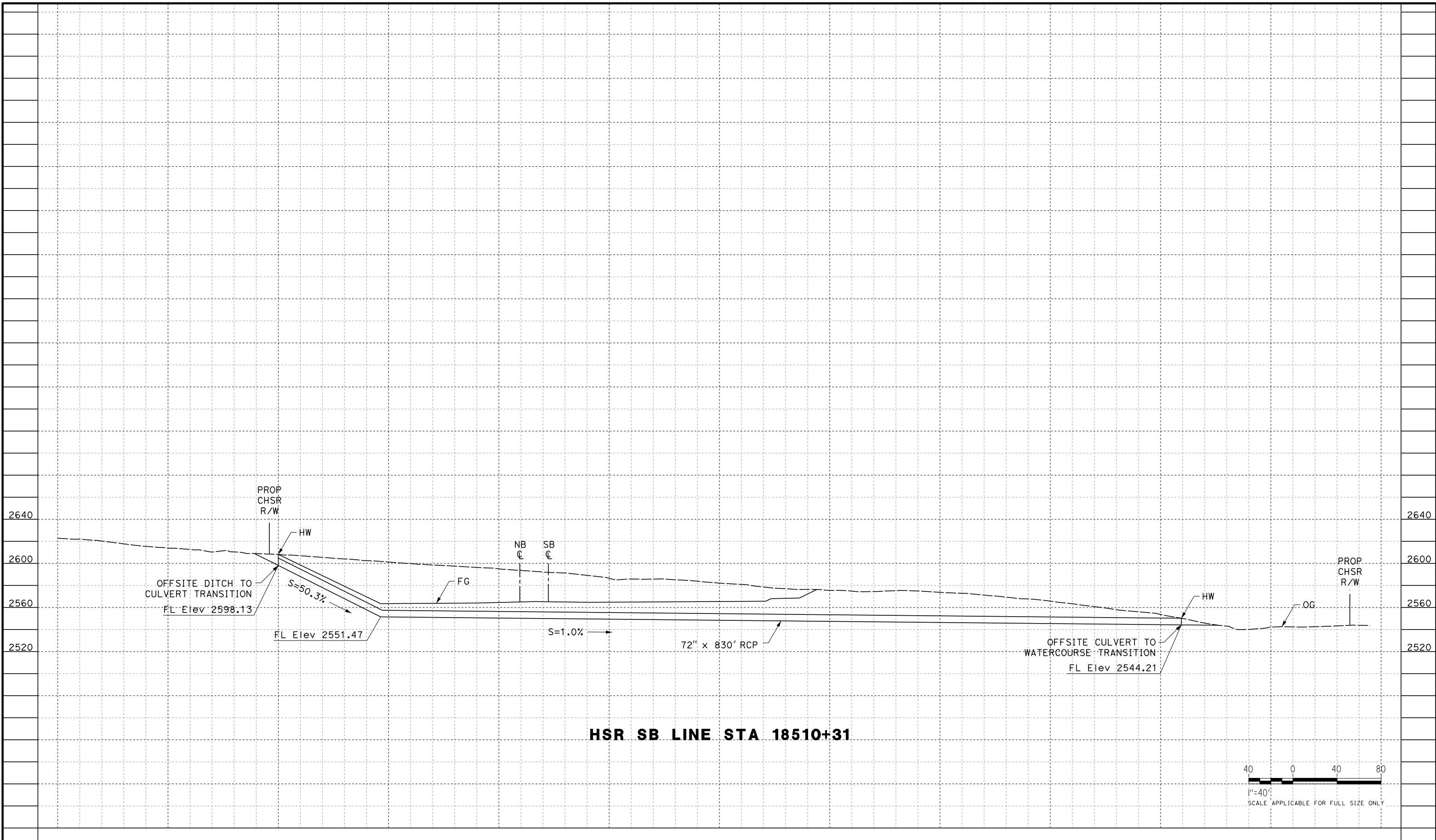


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18505+37

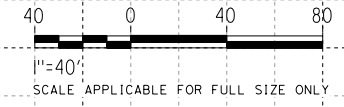
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1514
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\1ion D\Sheets\CV\G\BP-CV-G1515
 8:02:08 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18510+31



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

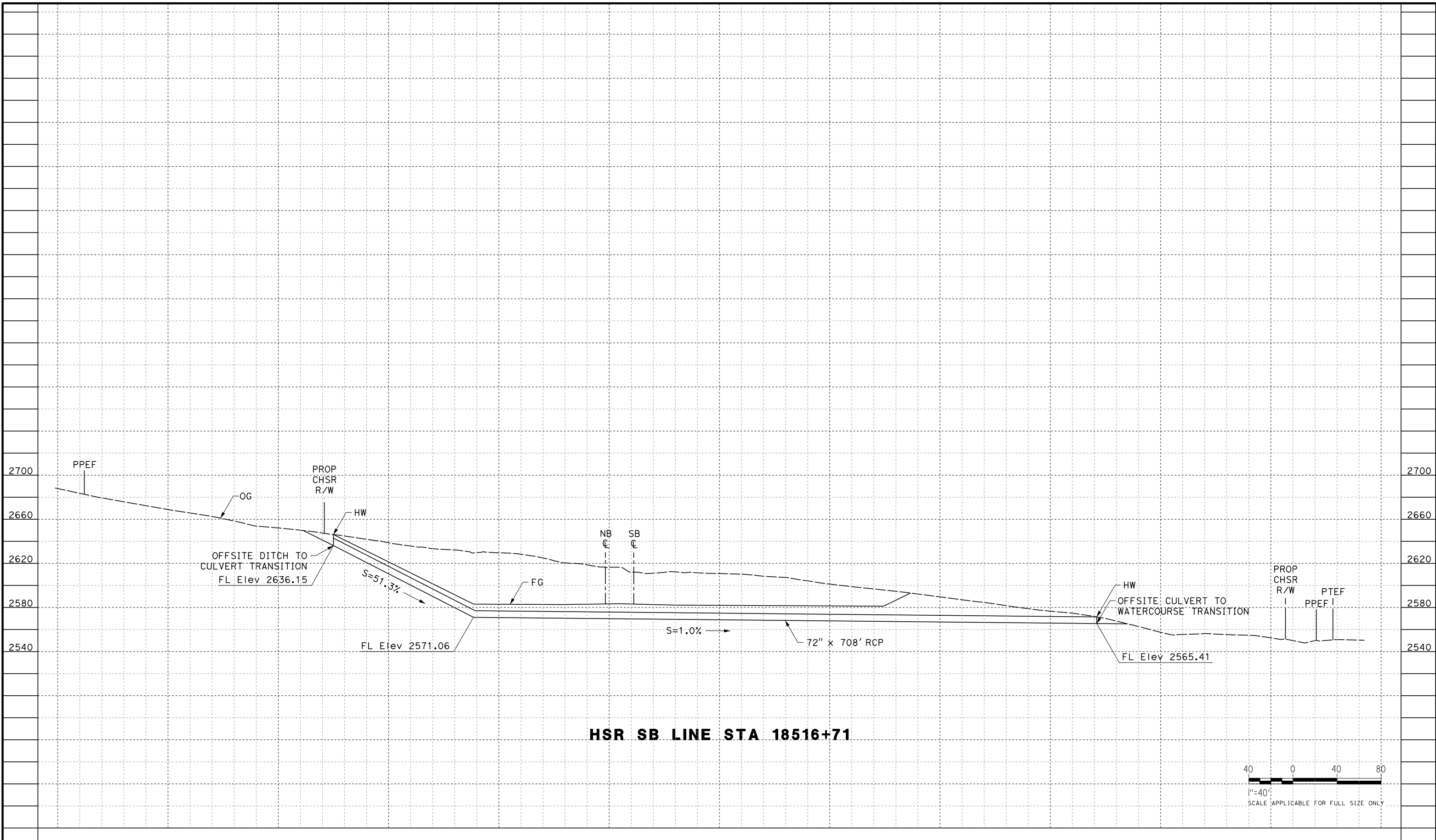


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18510+31

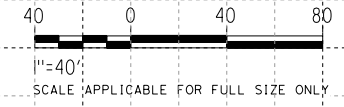
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1515
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion_D\Sheets\CV\G\BP-CV-G1516
 8:01:51 PM
 1/24/2020

megan.blace@tylin.com



HSR SB LINE STA 18516+71



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

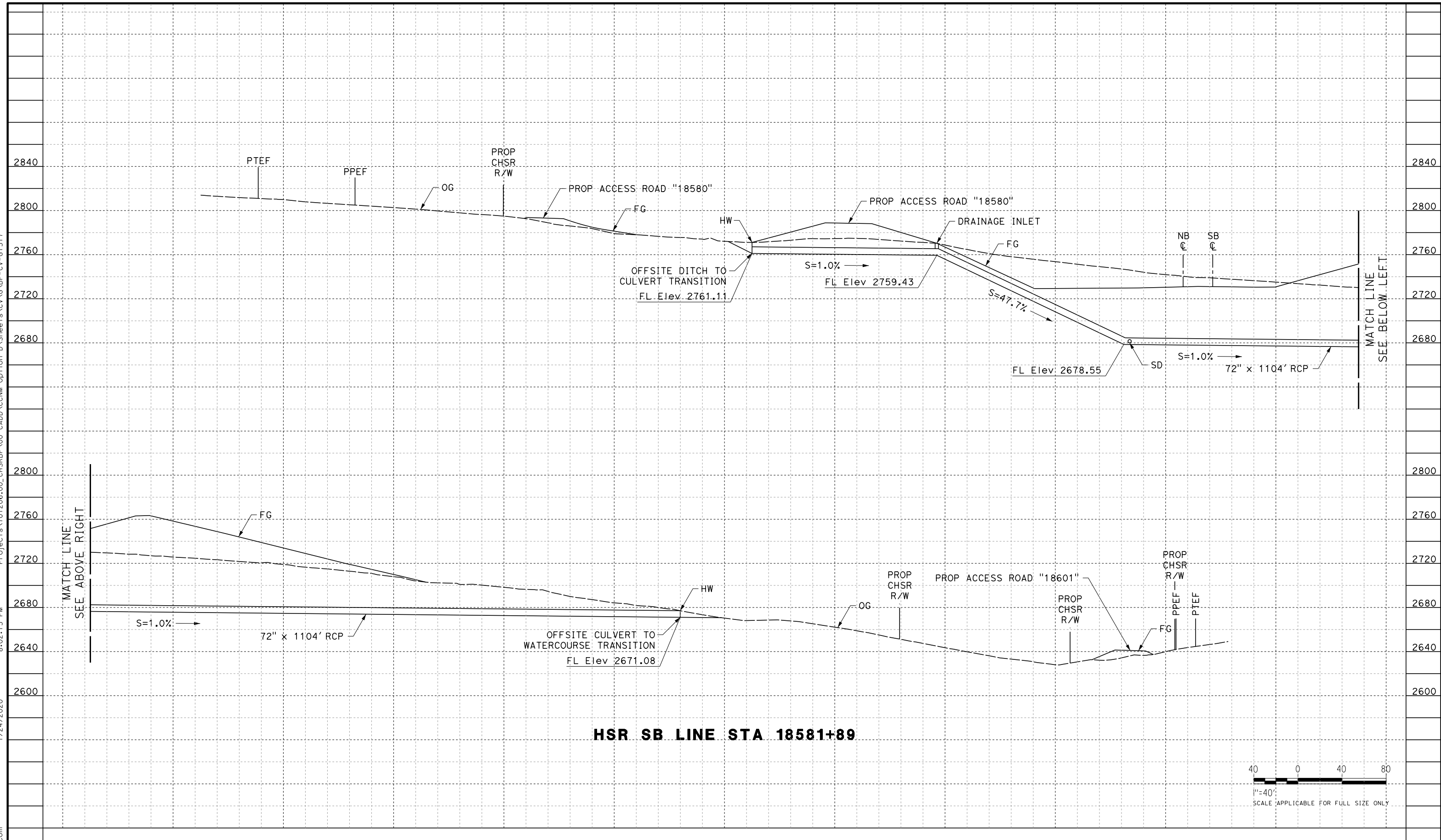
**NOT FOR
 CONSTRUCTION**



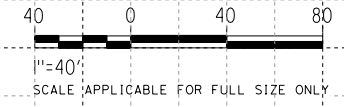
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18516+71

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1516
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\11on D:\Sheets\CV\G\BP-CV-G1517
 8:02:15 PM
 1/24/2020
 megan.blacett@tylin.com



HSR SB LINE STA 18581+89



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

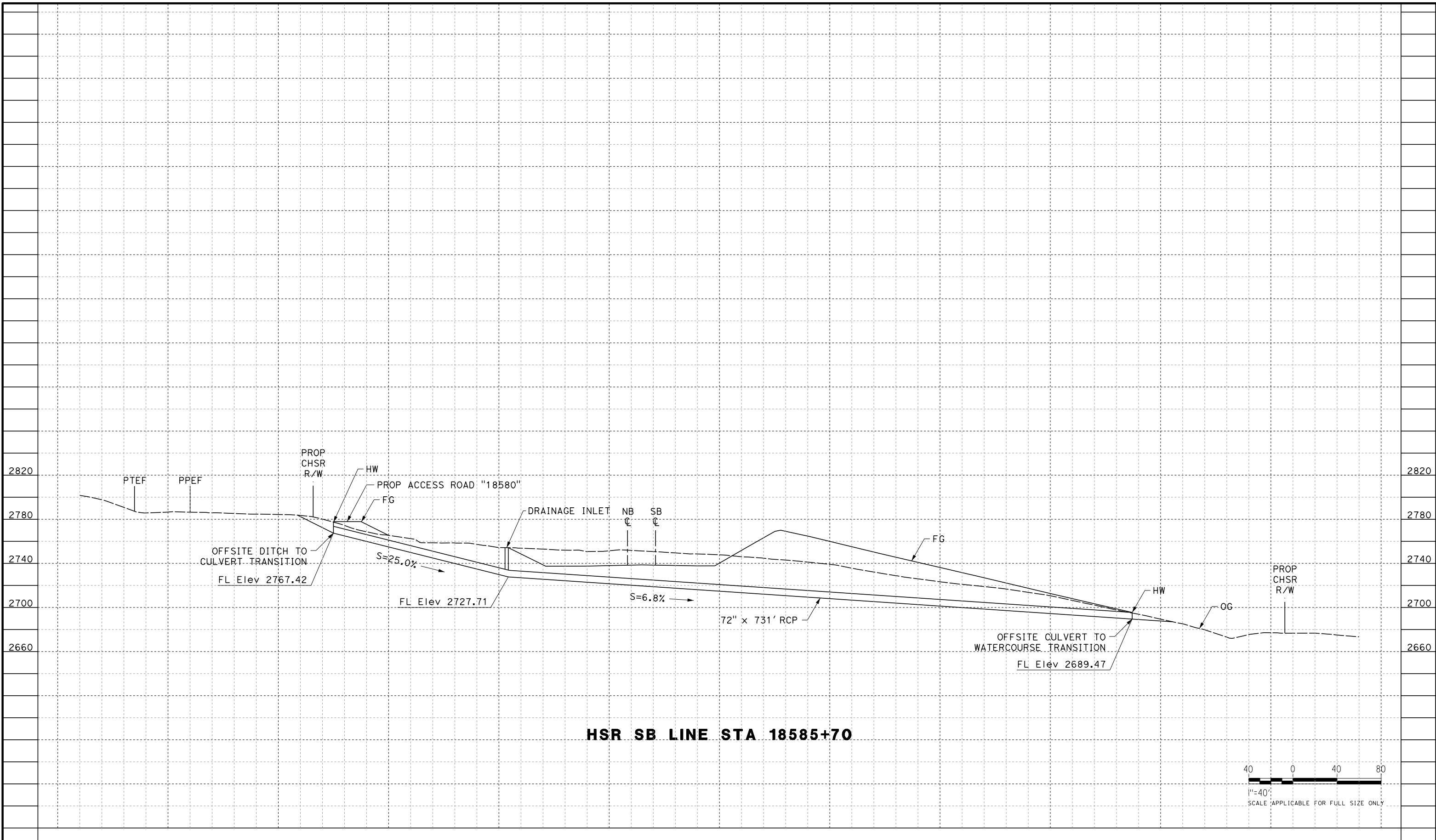


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18581+89

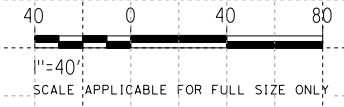
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1517
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion_D\Sheets\CV\G\BP-CV-G1518
 8:02:00 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18585+70



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

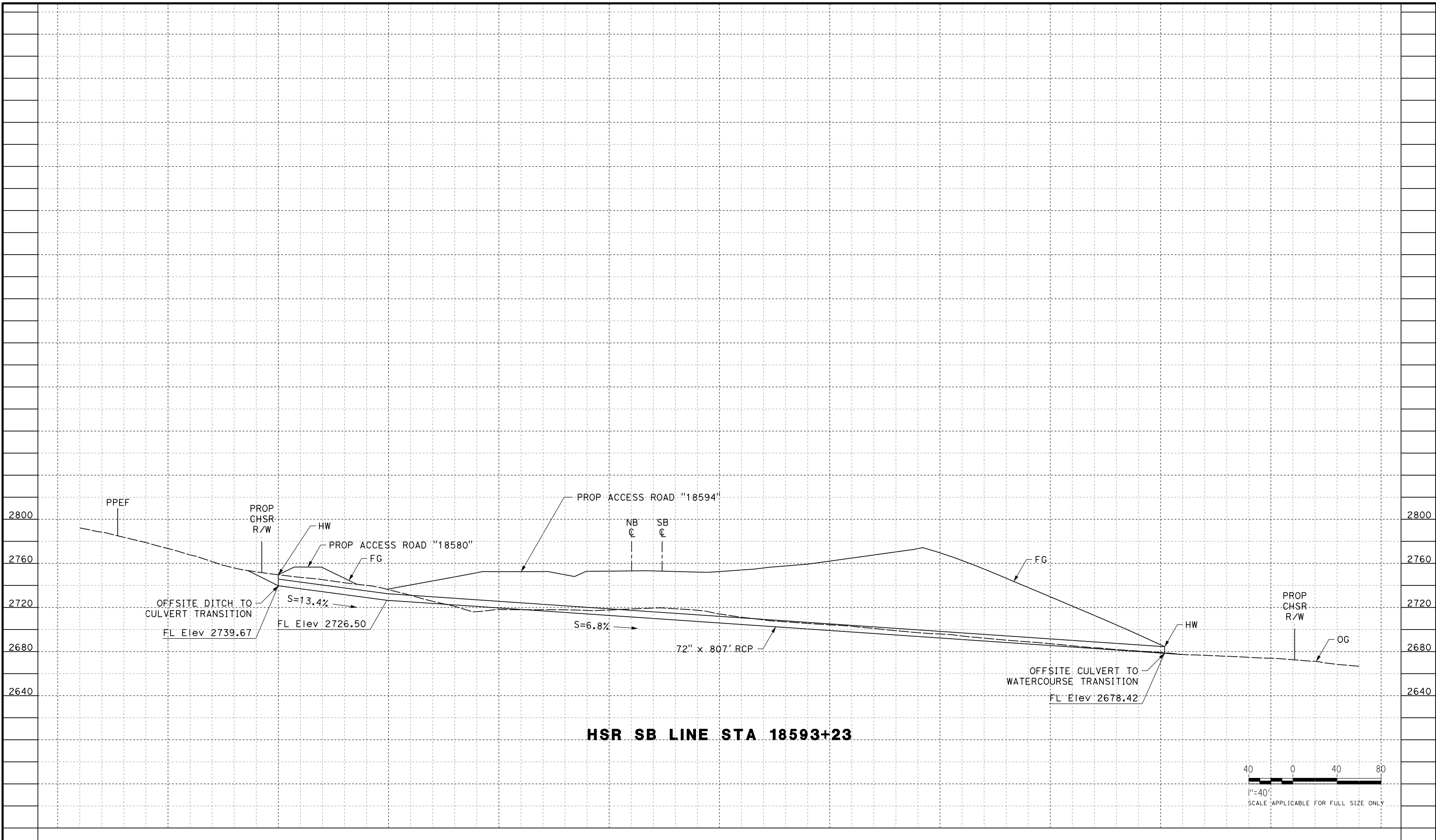


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18585+70

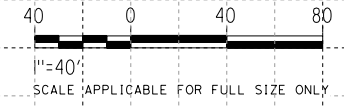
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1518
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\1ion D\Sheets\CV\G\BP-CV-G1519
 8:02:33 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18593+23



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

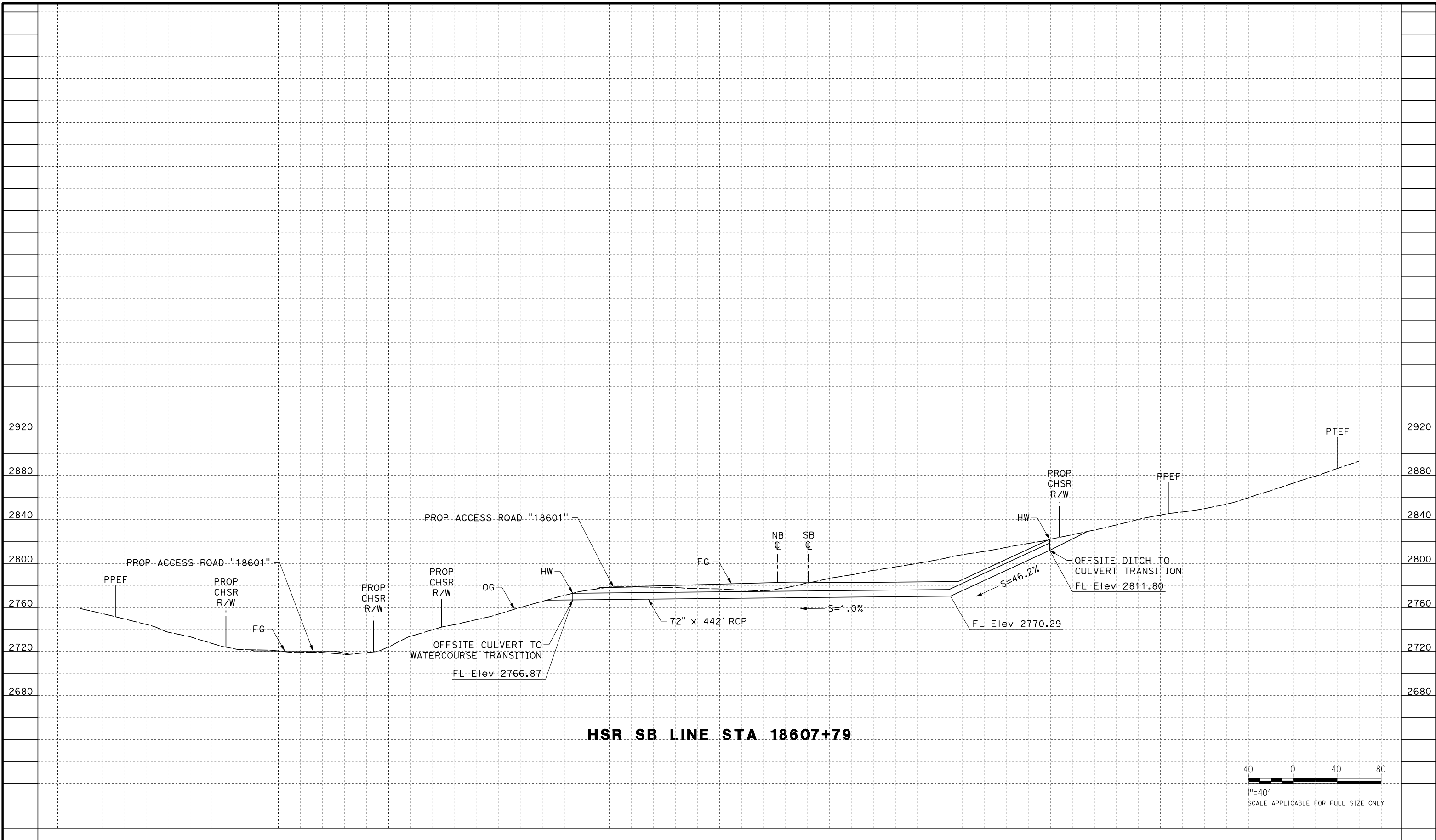
**NOT FOR
 CONSTRUCTION**



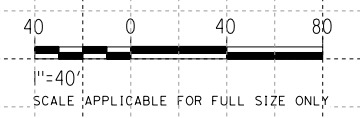
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18593+23

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1519
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Option_D\Sheets\CV\G\BP-CV-G1520
 8:02:03 PM
 1/24/2020
 megan.blacet@tylin.com



HSR SB LINE STA 18607+79



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

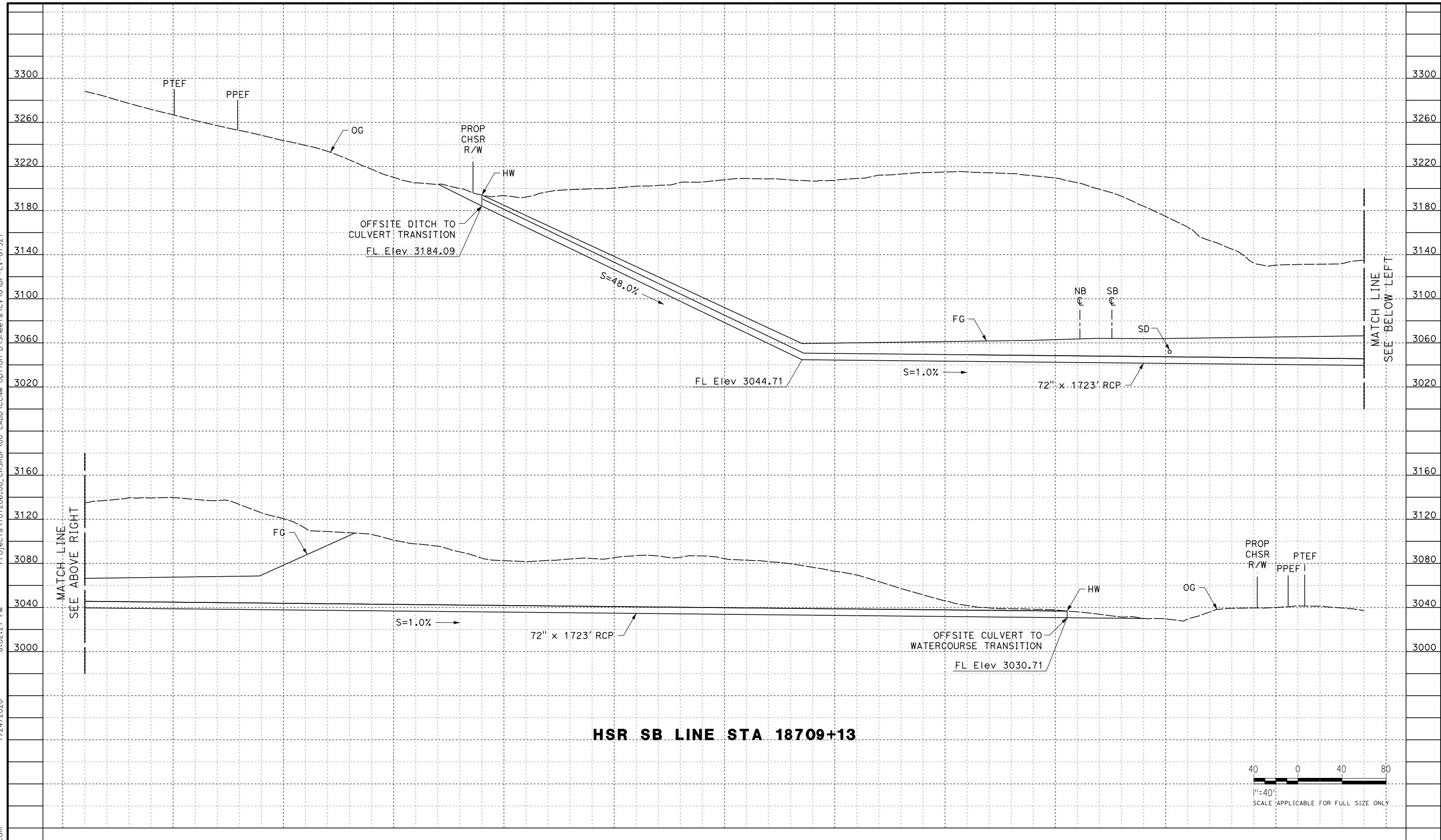


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18607+79

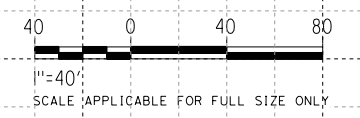
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1520
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion D:\Sheets\CV\G\BP-CV-G1521
 8:02:27 PM
 1/24/2020

megan.blacett@tylin.com



HSR SB LINE STA 18709+13



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

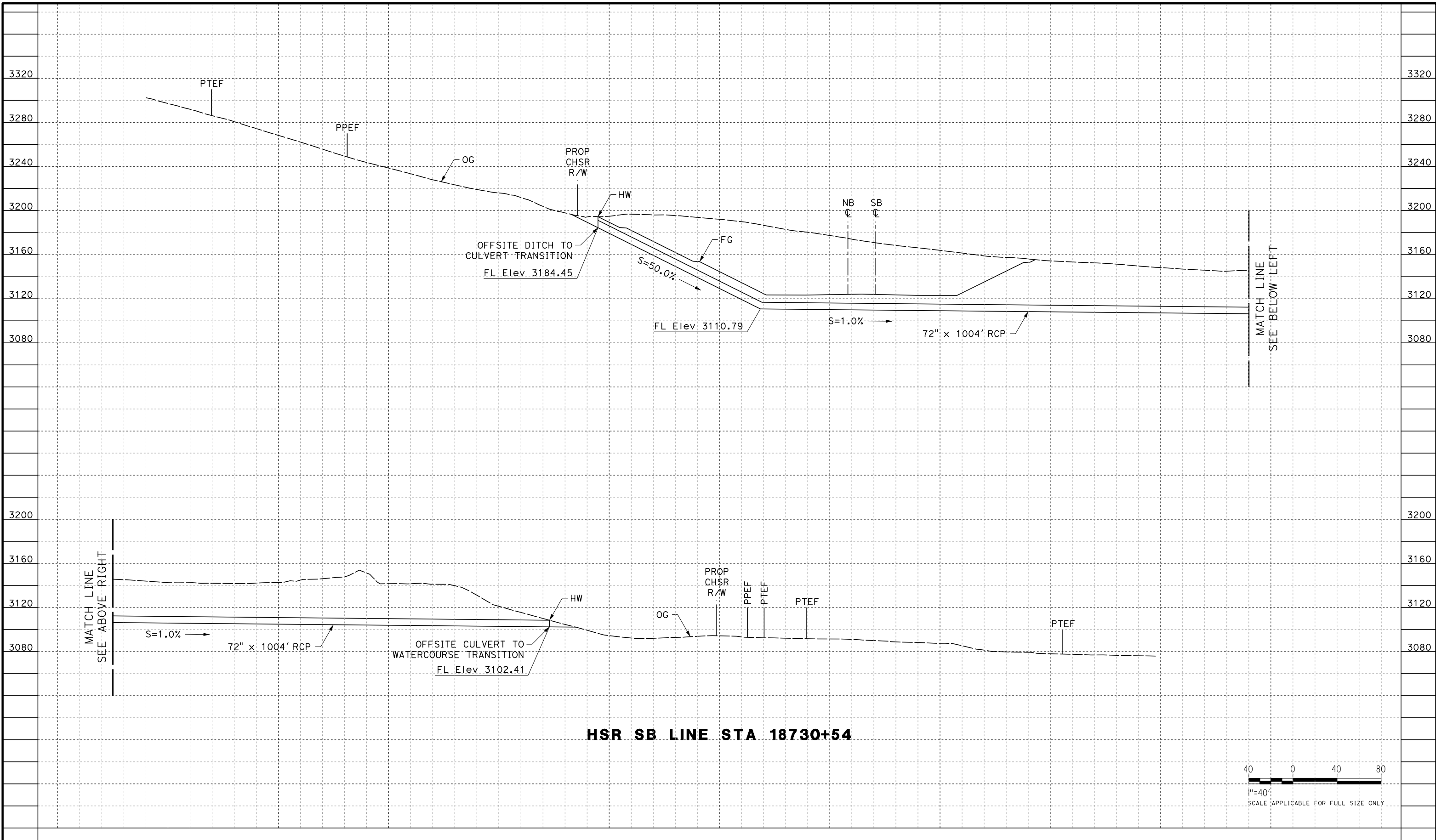


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18709+13

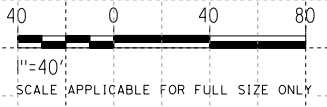
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1521
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\1ion D\Sheets\CV\G\BP-CV-G1522

1/24/2020 8:02:10 PM megan.blacet@tylin.com



HSR SB LINE STA 18730+54



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
S. LUMBRERAS
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

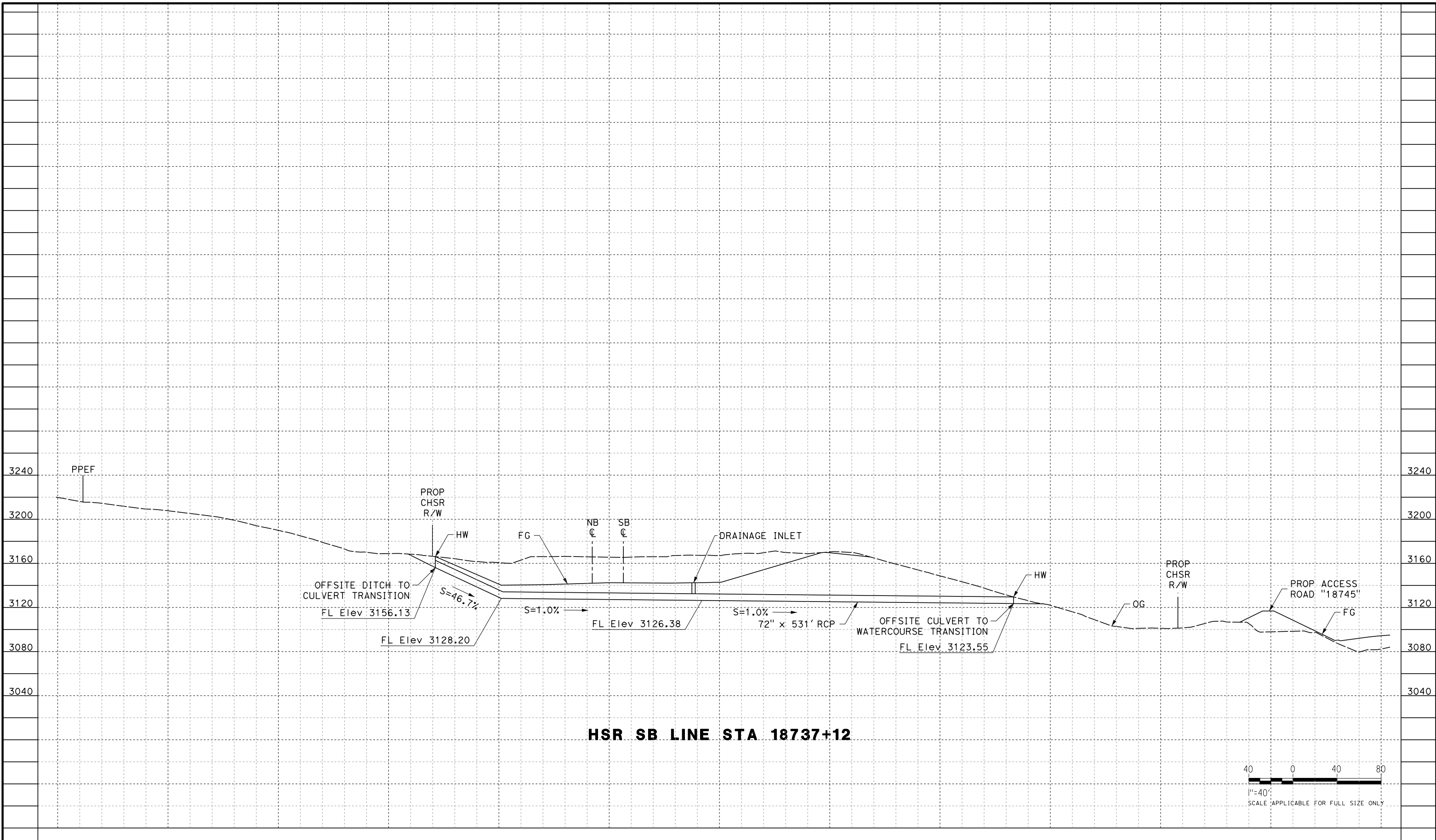


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18730+54

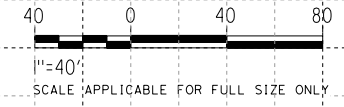
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1522
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\1ion D\Sheets\CV\G\BP-CV-G1523
 8:02:25 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18737+12



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

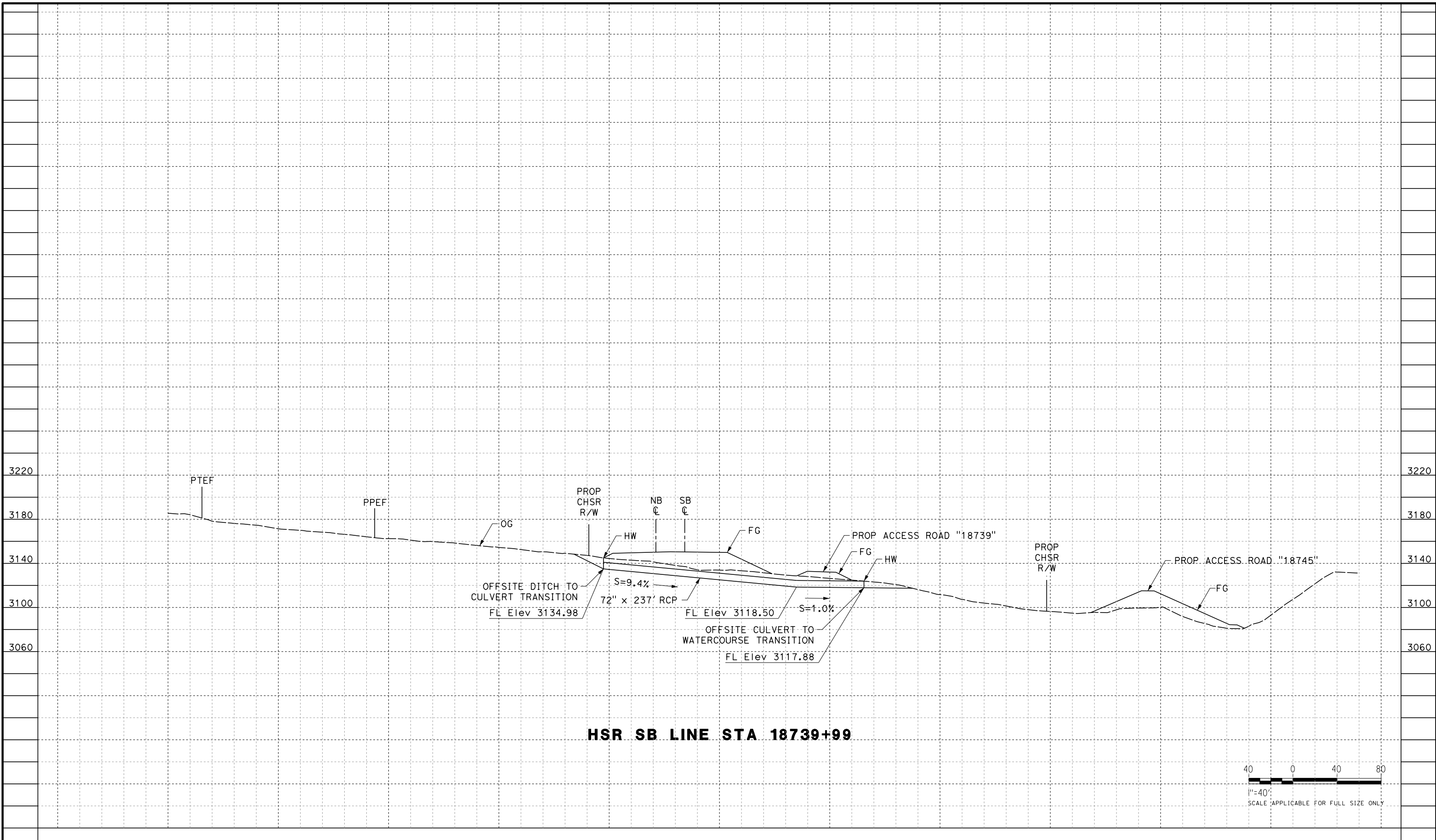


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18737+12

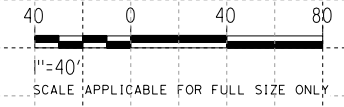
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1523
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\1ion D\Sheets\CV\G\BP-CV-G1524
 8:02:13 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18739+99



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

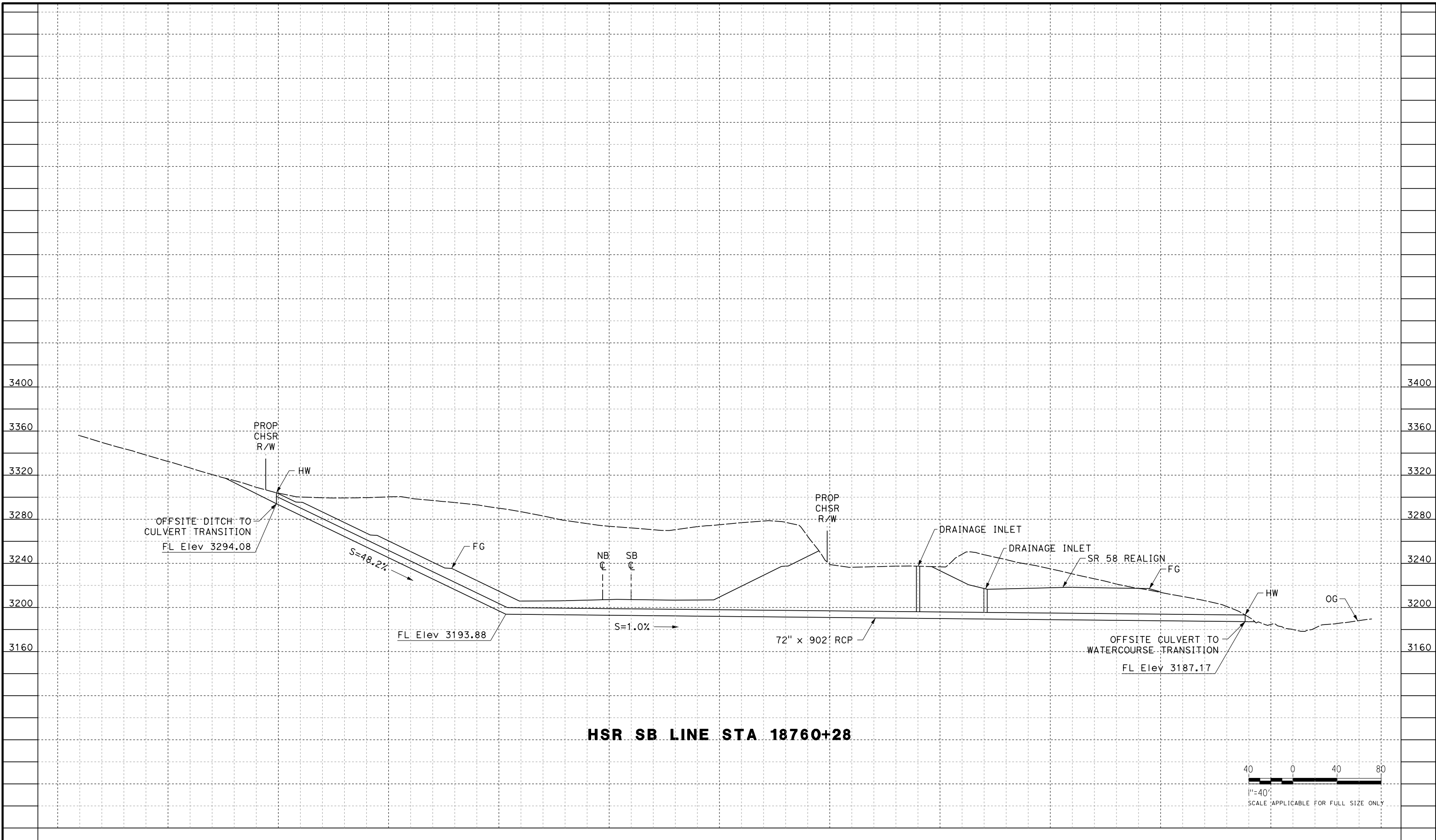


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18739+99

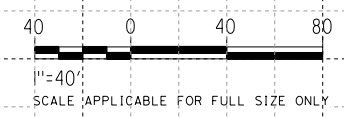
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1524
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion_D\Sheets\CV\GNBP-CV-G1525
 8:02:45 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18760+28



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

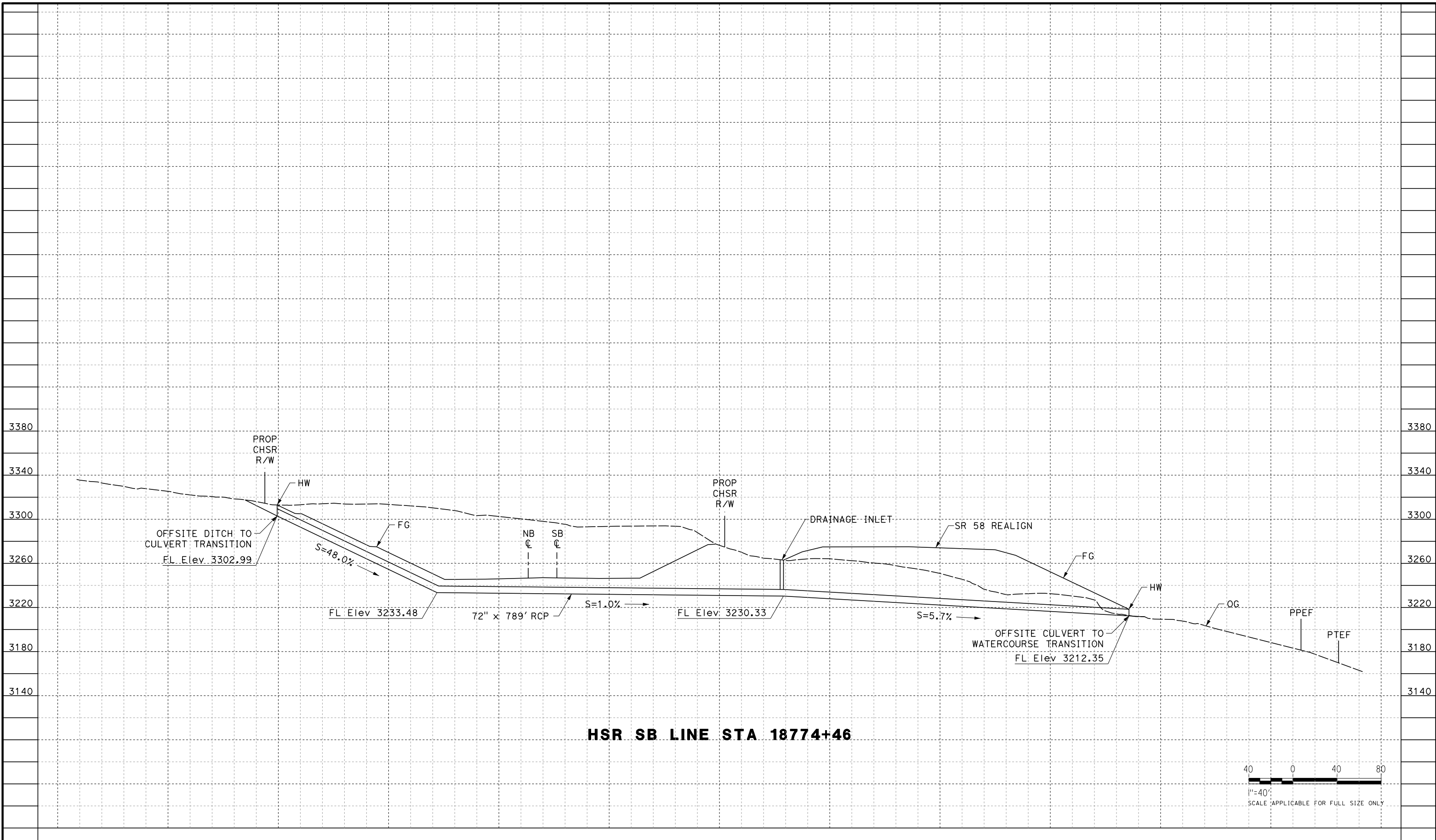


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18760+28

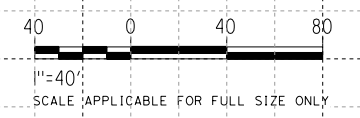
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1525
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion_D\Sheets\CV\G\BP-CV-G1526
 8:02:18 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18774+46



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

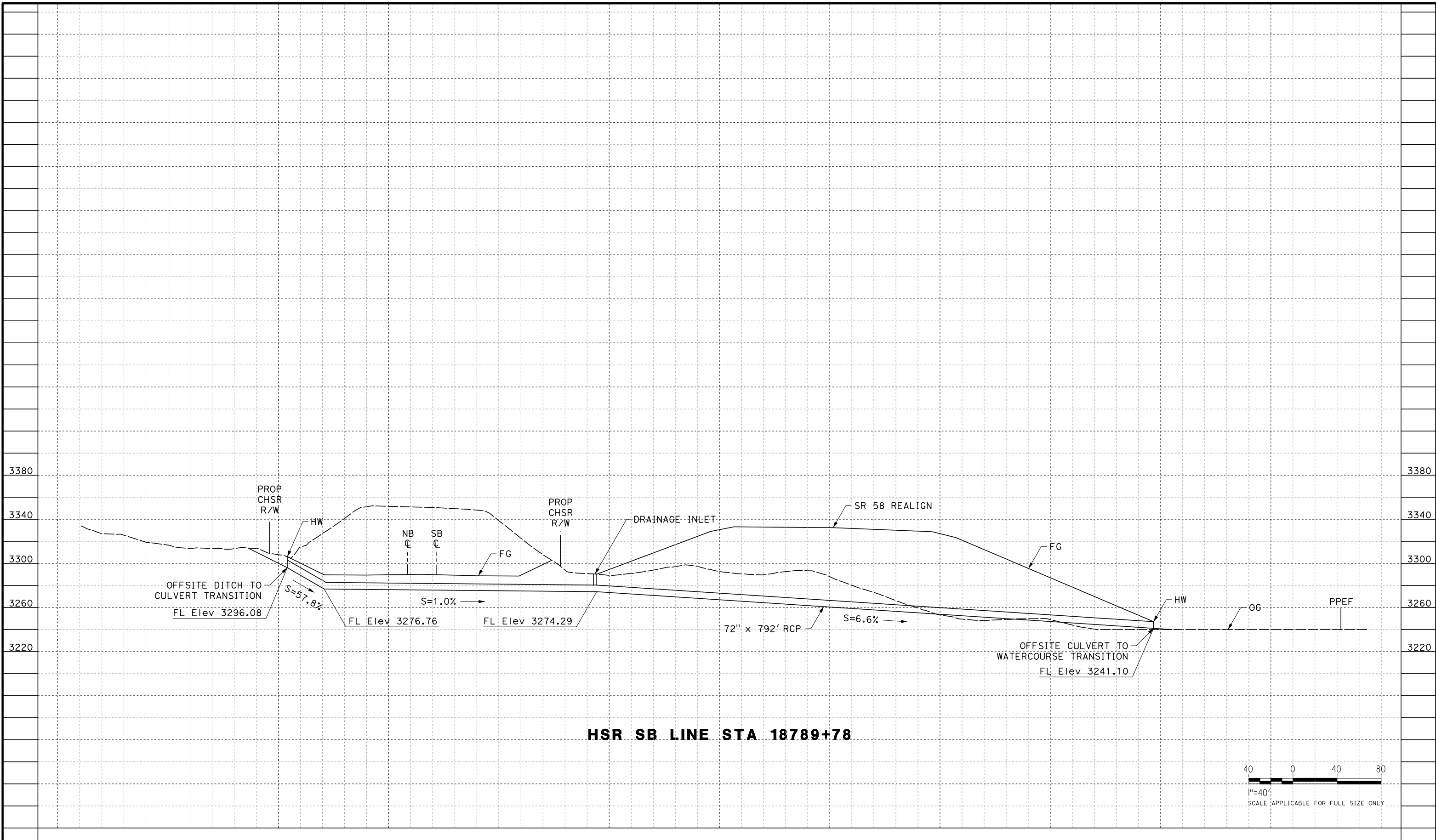


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18774+46

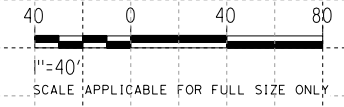
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1526
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\1ion D\Sheets\CV\G\BP-CV-G1527
 8:02:58 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18789+78



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

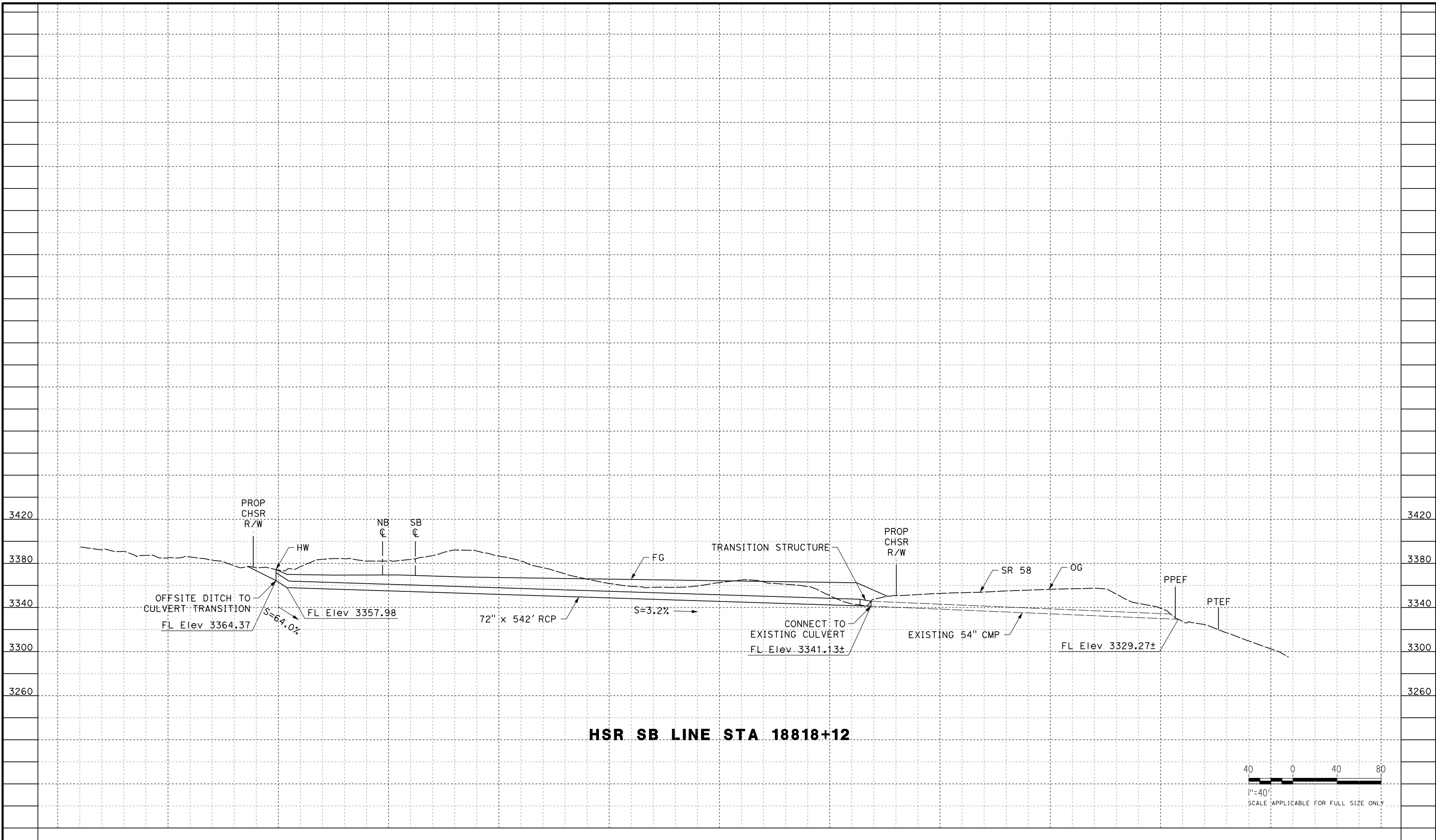
**NOT FOR
 CONSTRUCTION**



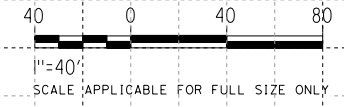
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18789+78

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1527
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion_D\Sheets\CV\G\BP-CV-G1528
 8:02:20 PM
 1/24/2020
 megan.blacet@tylin.com



HSR SB LINE STA 18818+12



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

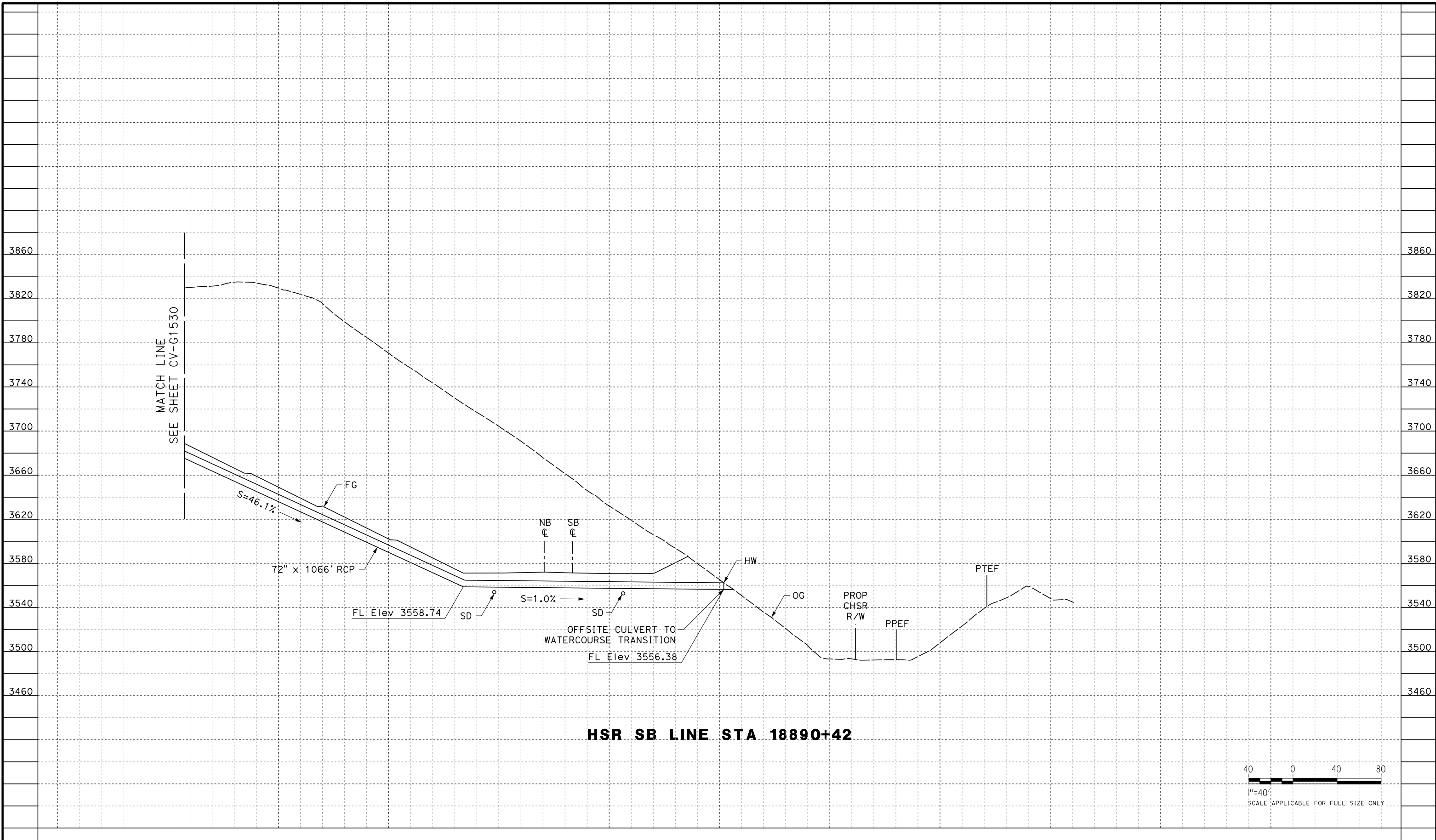


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18818+12

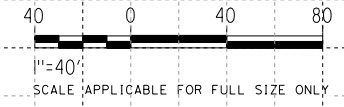
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1528
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Option D\Sheets\CV\G\BP-CV-G1529
 8:02:57 PM
 1/24/2020

megan.blacet@tylin.com



HSR SB LINE STA 18890+42



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

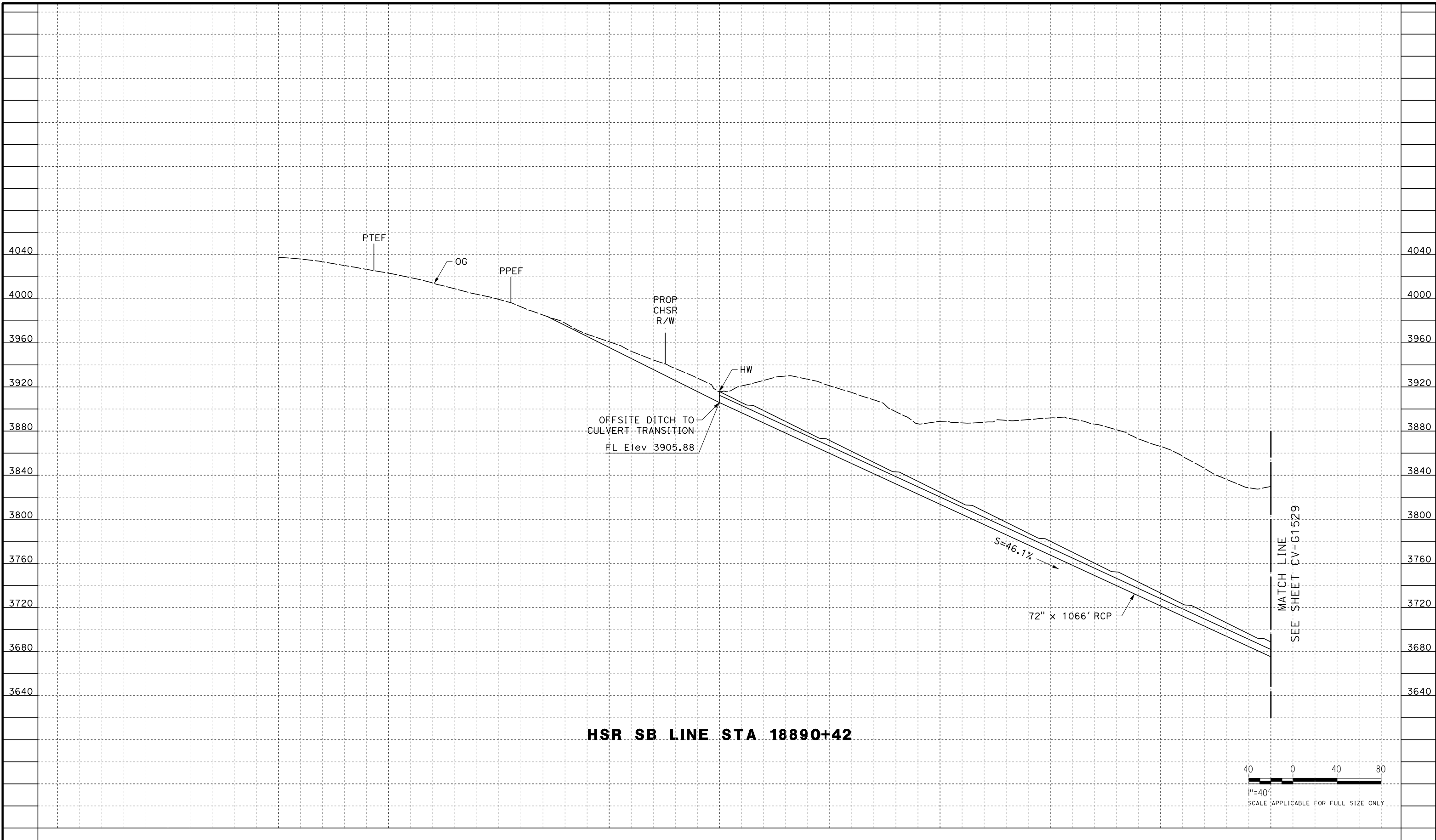


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18890+42

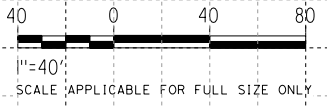
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1529
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\10n D\Sheets\CV\G\BP-CV-G1530
 8:02:48 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18890+42



MATCH LINE
 SEE SHEET CV-G1529

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

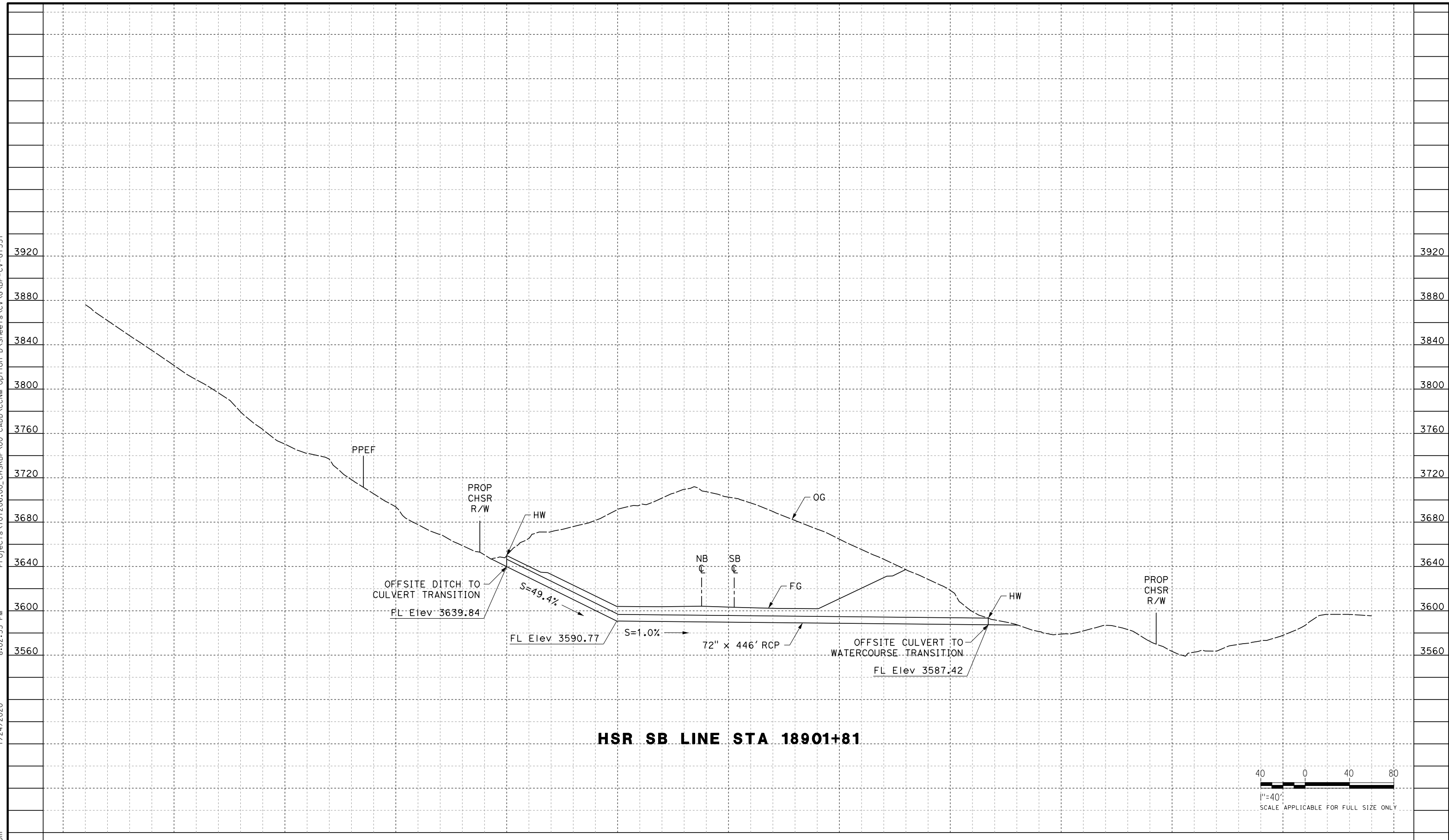


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18890+42

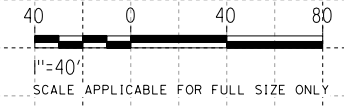
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1530
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Option_D\Sheets\CV\GABP-CV-G1531
 8:02:53 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18901+81



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

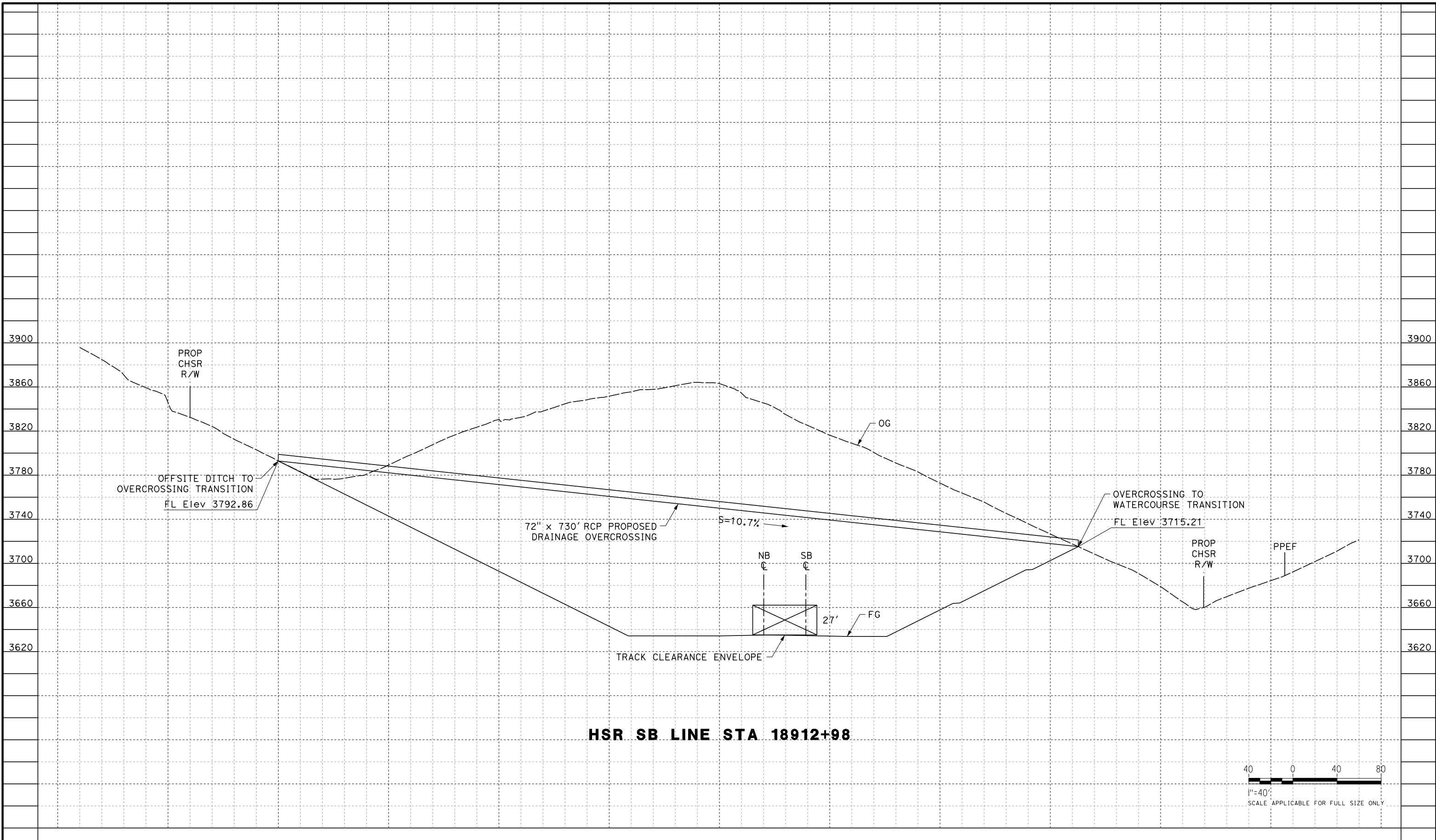


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18901+81

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1531
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion D\Sheets\CV\G\BP-CV-G1532
 8:02:36 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18912+98

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

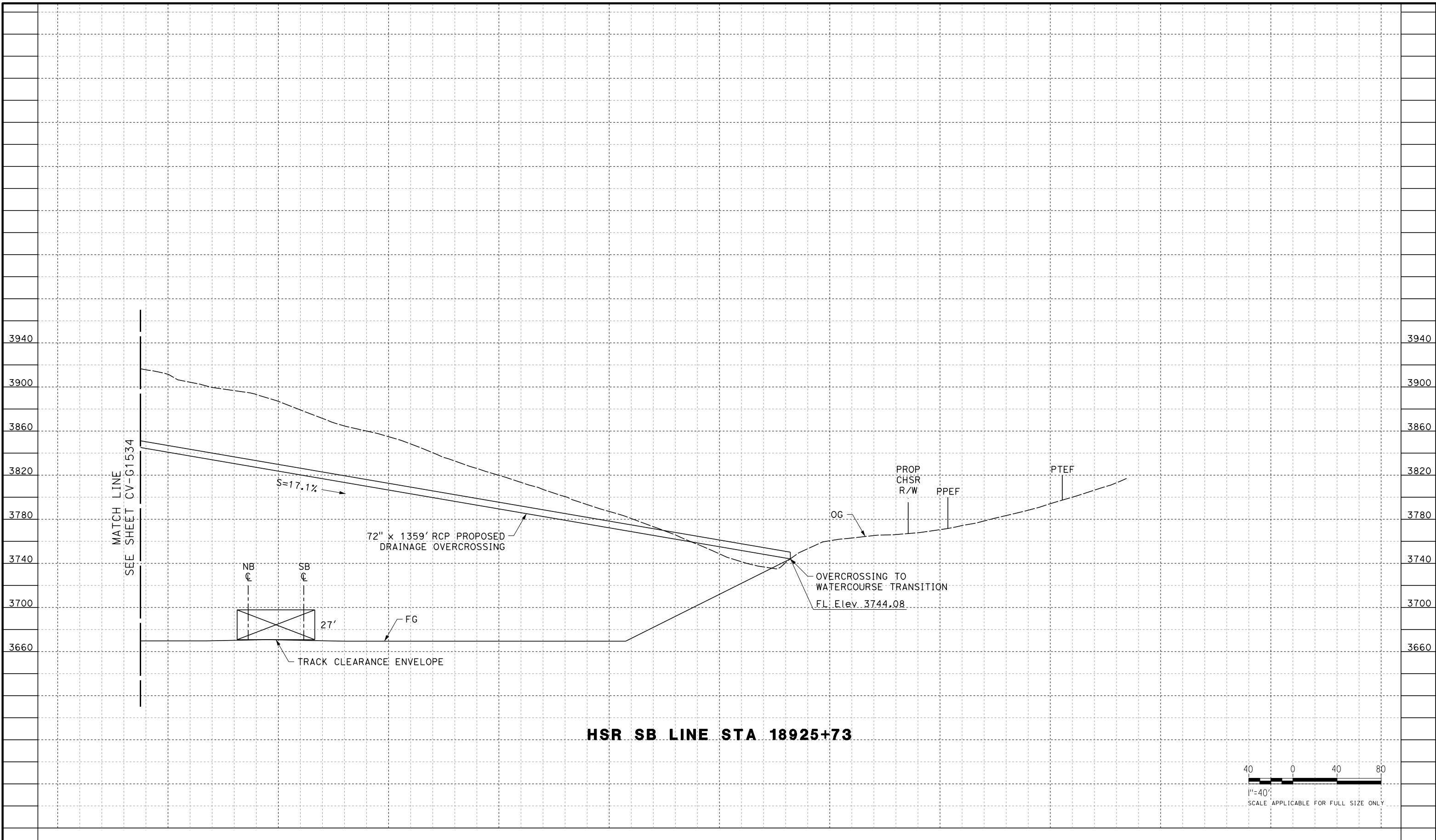


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18912+98

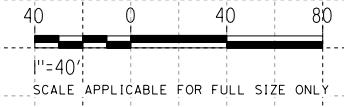
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1532
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Option_D\Sheets\CV\G\BP-CV-G1533
 8:03:10 PM
 1/24/2020

megan.b.lace@tylin.com



HSR SB LINE STA 18925+73



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**

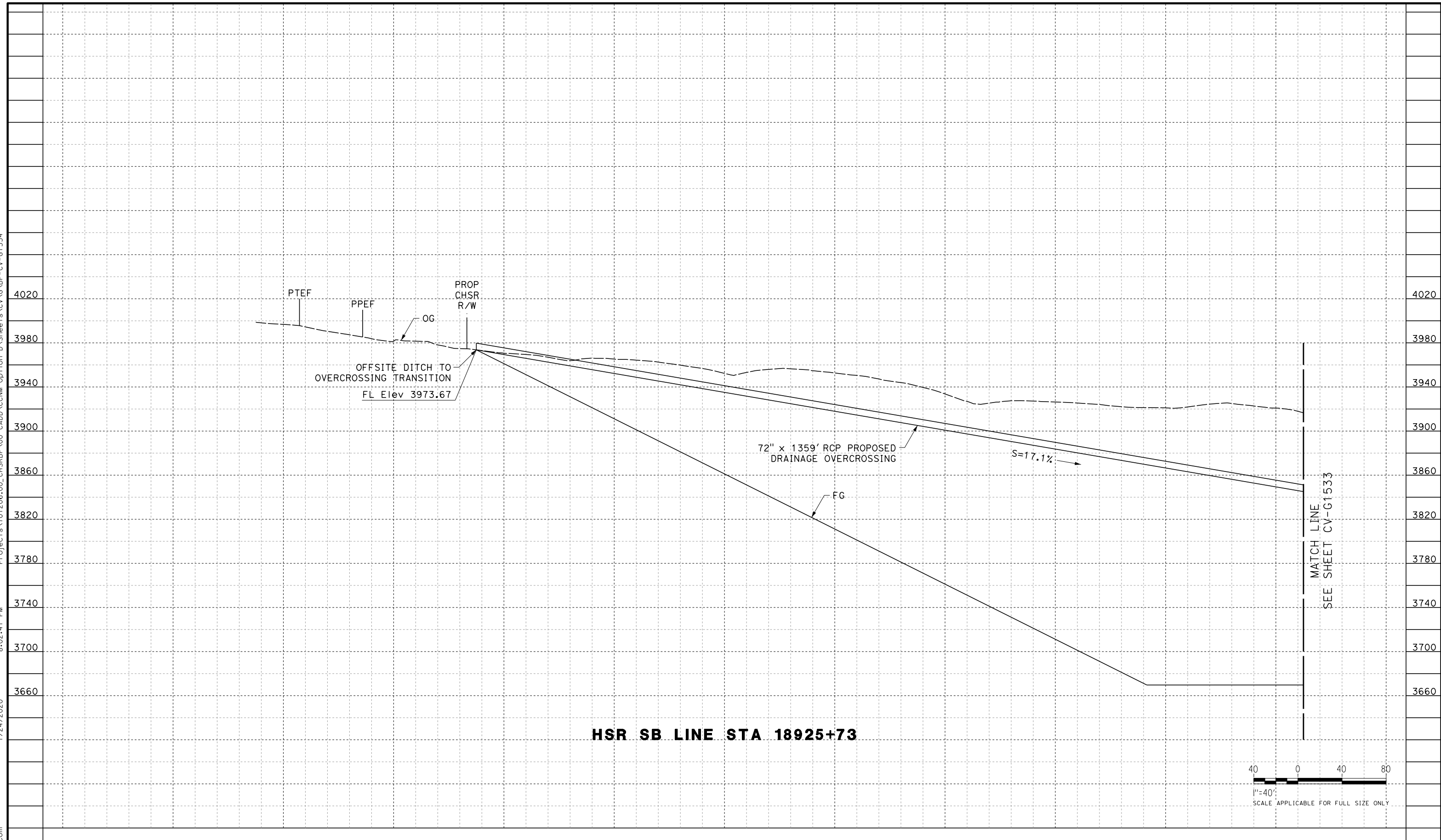


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18925+73

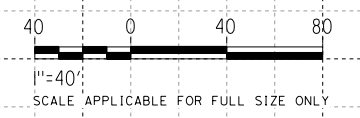
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1533
 SCALE
AS SHOWN
 SHEET NO.

1/24/2020 8:02:41 PM Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion D\Sheets\CV\G\BP-CV-G1534

megan.blacet@tylin.com



HSR SB LINE STA 18925+73



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
S. LUMBRERAS
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

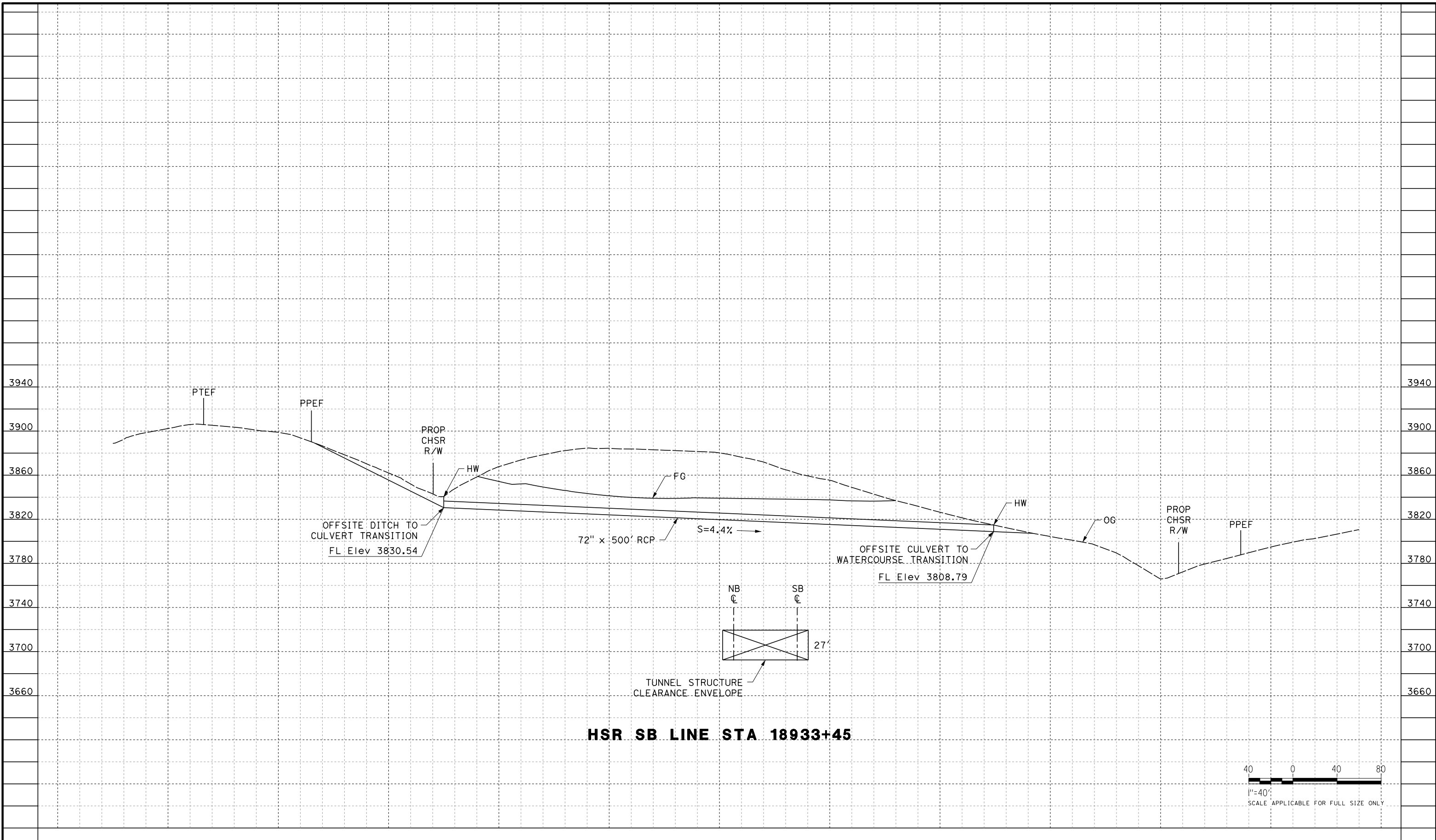


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
OFFSITE CULVERT PROFILE
STA 18925+73

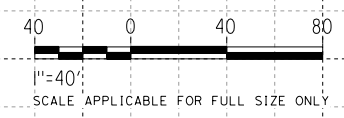
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1534
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_OpHion_D\Sheets\CV\G\BP-CV-G1535
 8:03:02 PM
 1/24/2020

megan.blace@tylin.com



HSR SB LINE STA 18933+45

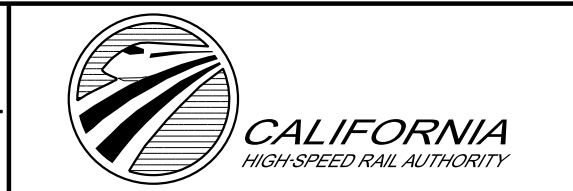


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

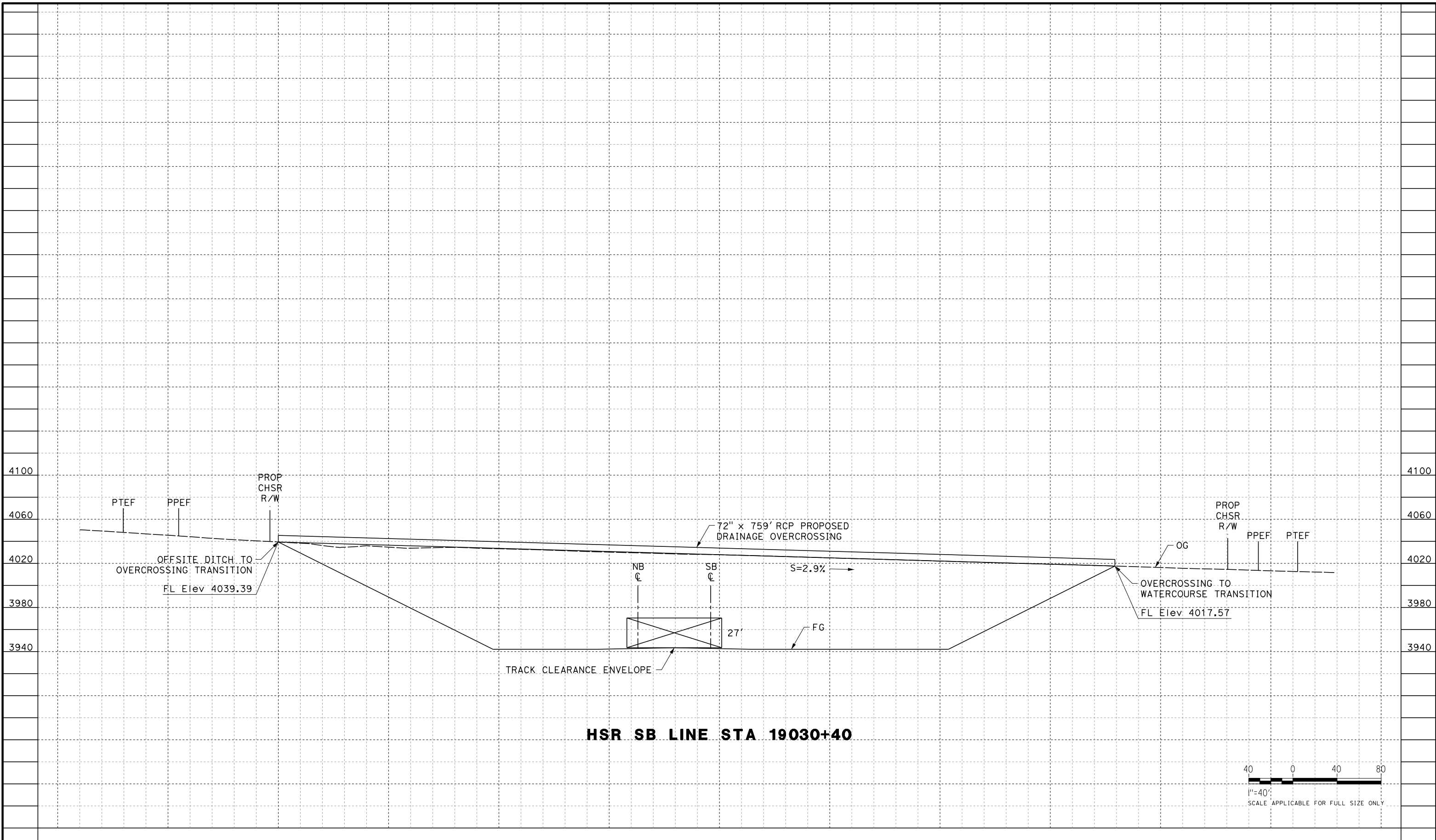
**NOT FOR
 CONSTRUCTION**



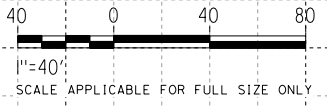
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 18933+45

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1535
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\10n D\Sheets\CV\ABP-CV-G1536
 8:02:51 PM
 1/24/2020



HSR SB LINE STA 19030+40



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

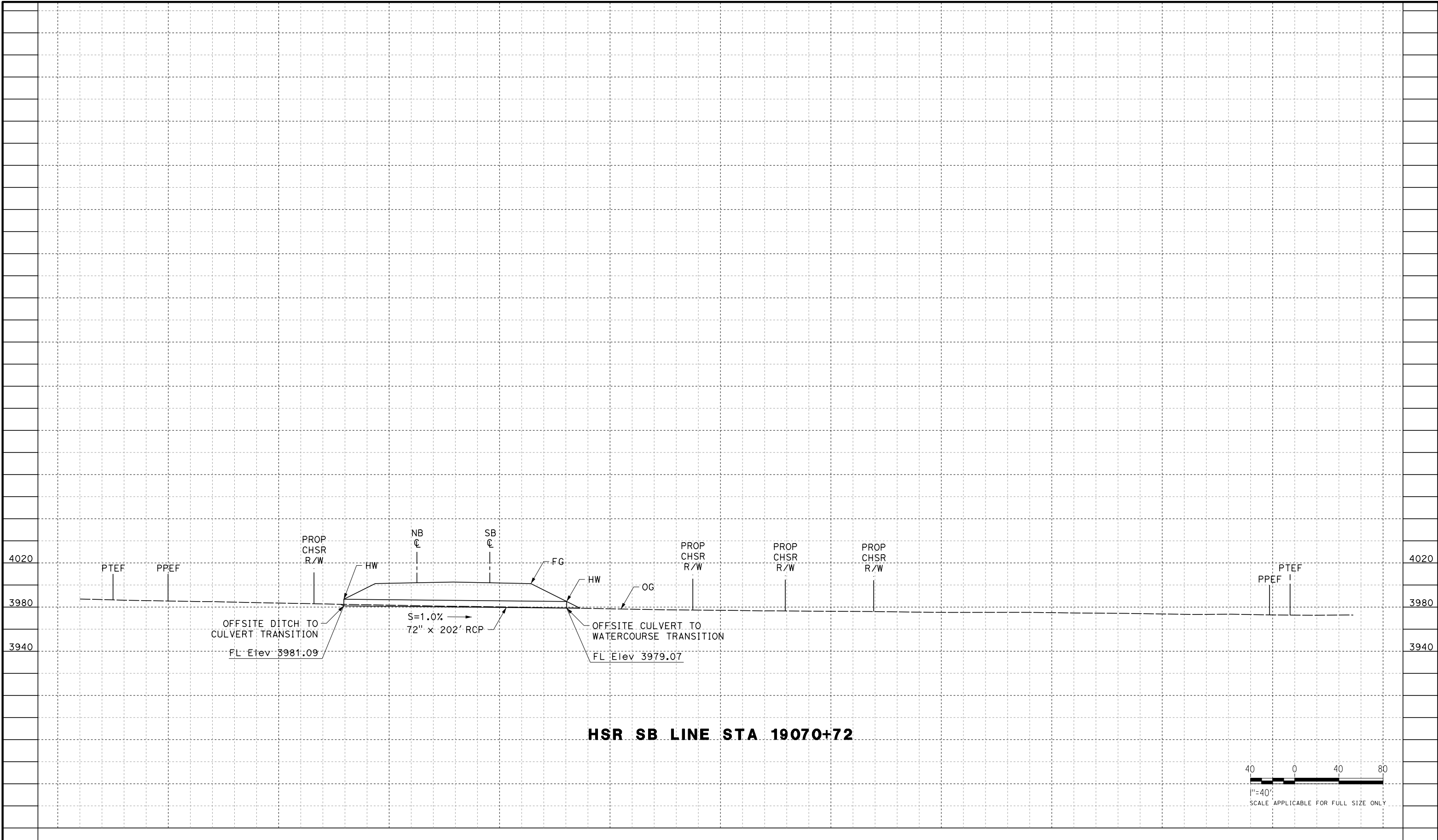
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 19030+40

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1536
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\1ion D\Sheets\CV\GABP-CV-G1537
 8:03:08 PM
 1/24/2020



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
S. LUMBRERAS
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PECD
 SUBMITTAL**

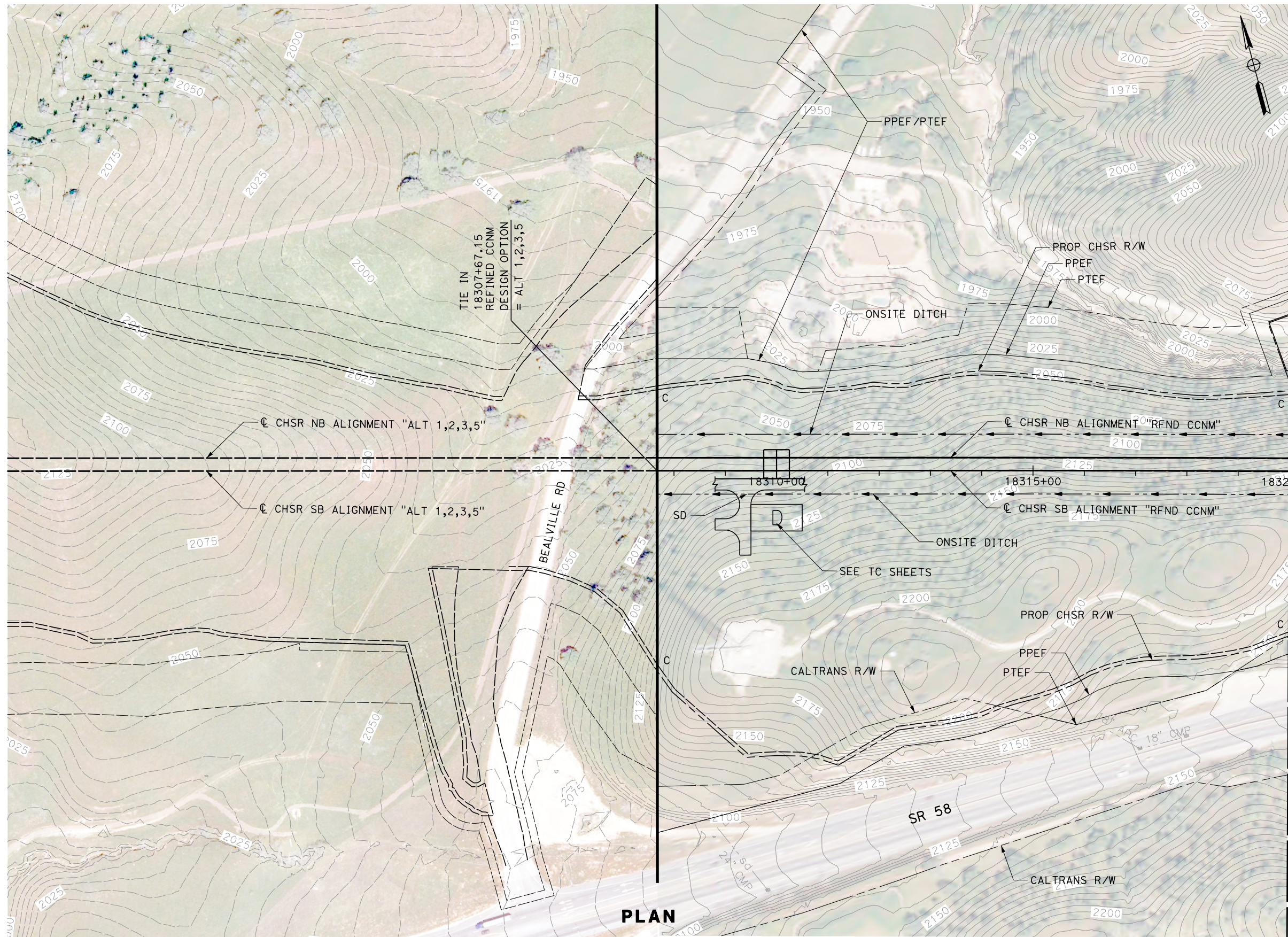
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 OFFSITE CULVERT PROFILE
 STA 19070+72

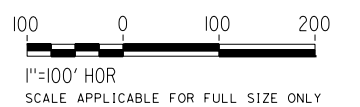
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1537
 SCALE
AS SHOWN
 SHEET NO.

megan.blacett@tylin.com



PLAN

MATCH LINE STA 18320+00
SEE SHEET CV-G4702



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18295+00 to 18320+00

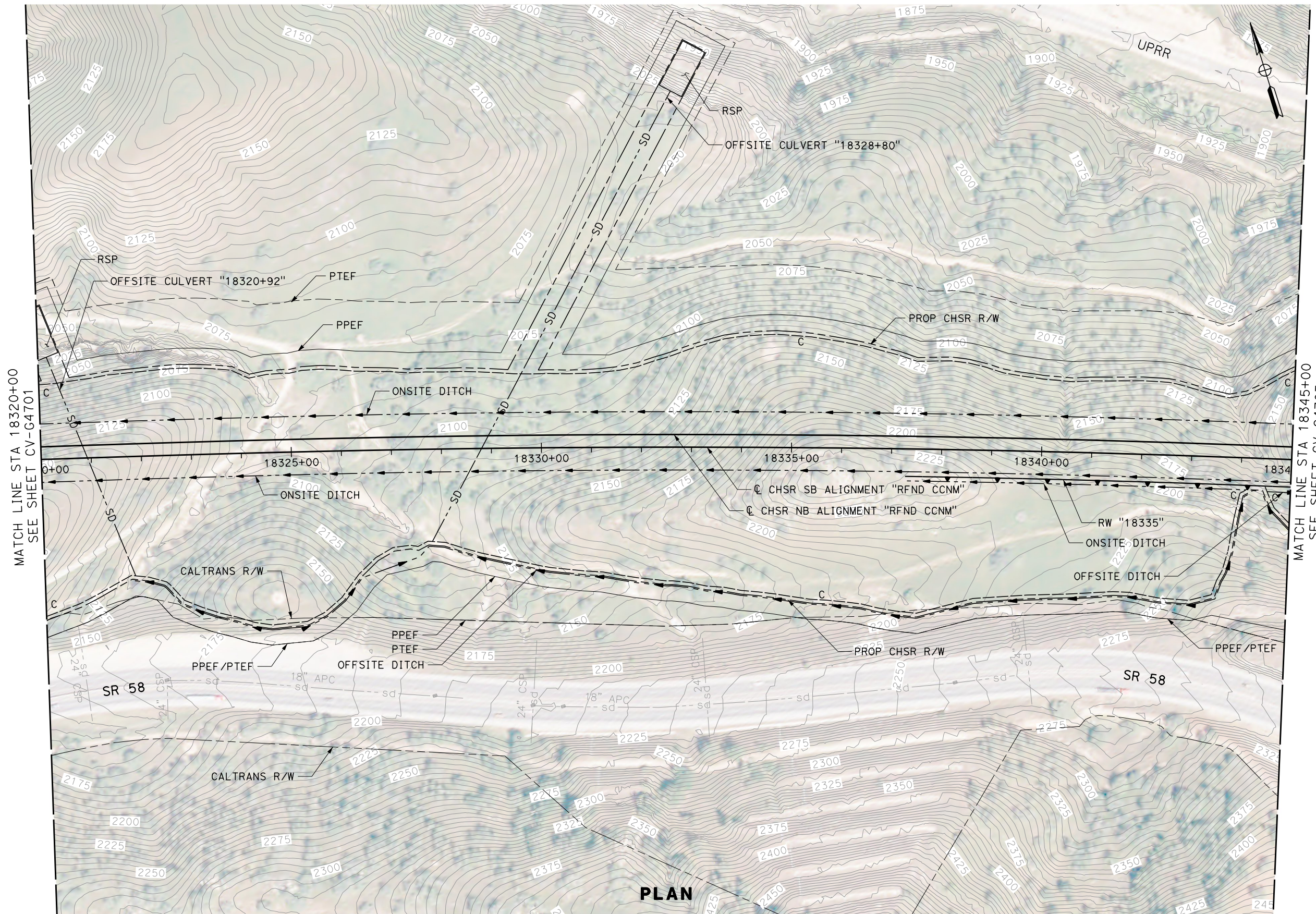
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4701
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Option D\Sheets\CV\G\BP-CV-G4702

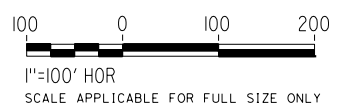
7:27:21 PM

1/24/2020

megan.blacet@tylin.com



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18320+00 to 18345+00

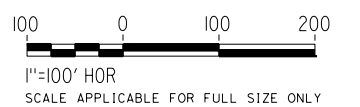
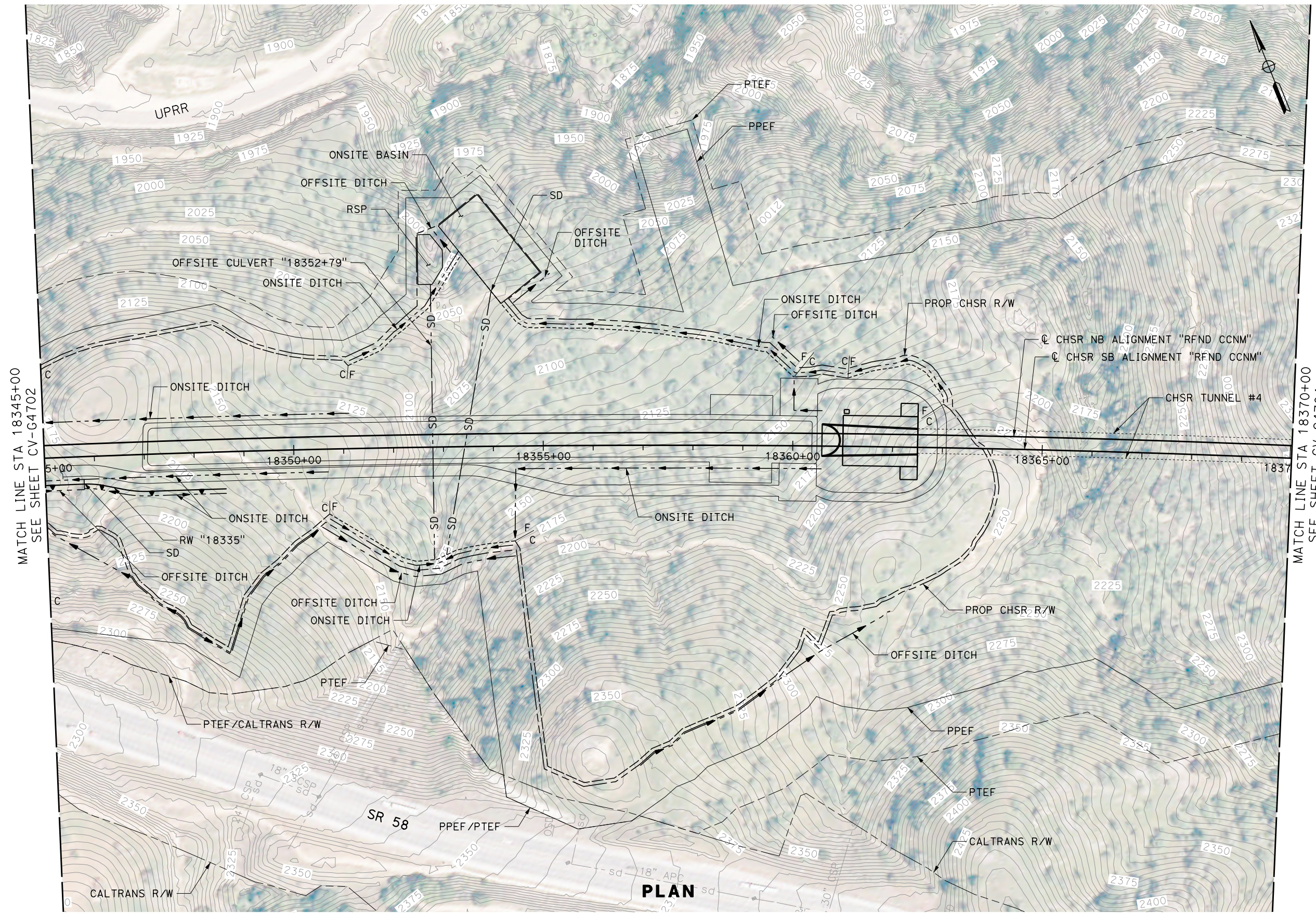
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4702
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM_Op\10n D:\Sheets\CV\G\BP-CV-G4703

7:50:40 PM

1/24/2020

megan.blacet@tylin.com



MATCH LINE STA 18345+00
SEE SHEET CV-G4702

MATCH LINE STA 18370+00
SEE SHEET CV-G4704

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

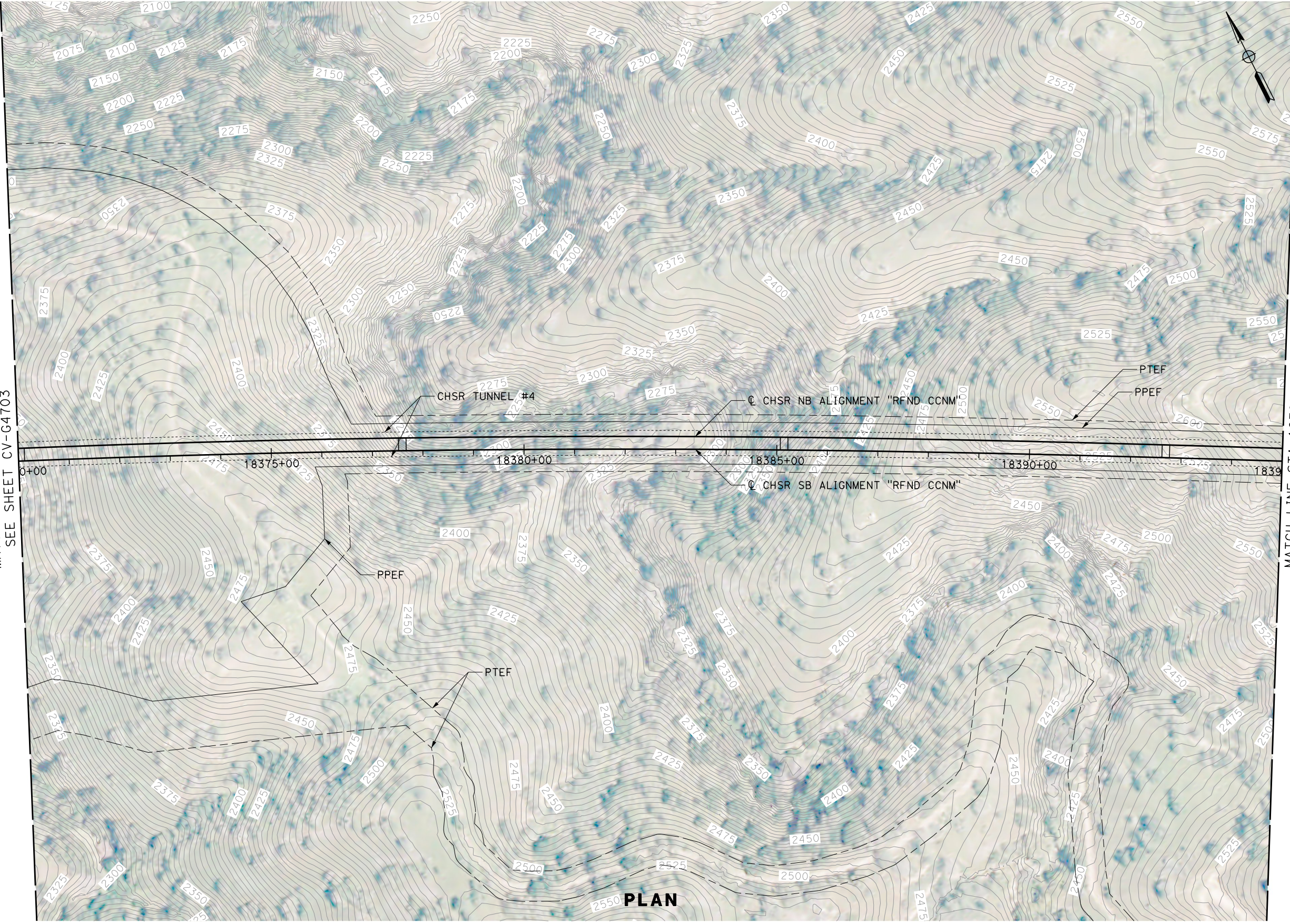


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18345+00 to 18370+00

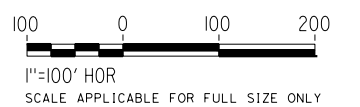
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4703
SCALE
AS SHOWN
SHEET NO.

MATCH LINE STA 18370+00
SEE SHEET CV-G4703

MATCH LINE STA 18395+00
SEE SHEET CV-G4705



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

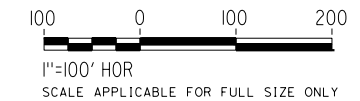
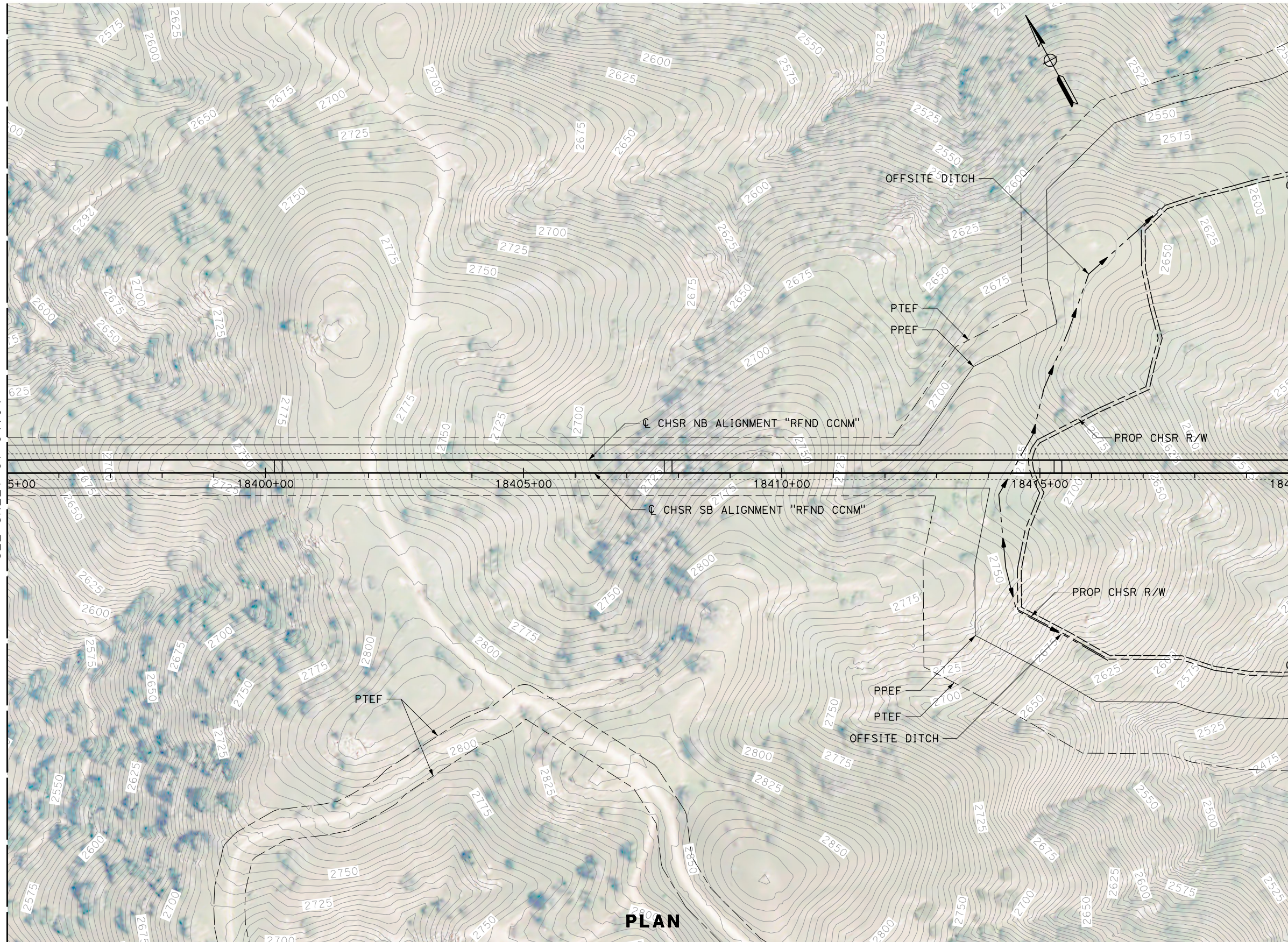


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18370+00 to 18395+00

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4704
SCALE
AS SHOWN
SHEET NO.

MATCH LINE STA 18395+00
SEE SHEET CV-G4704

MATCH LINE STA 18420+00
SEE SHEET CV-G4706



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

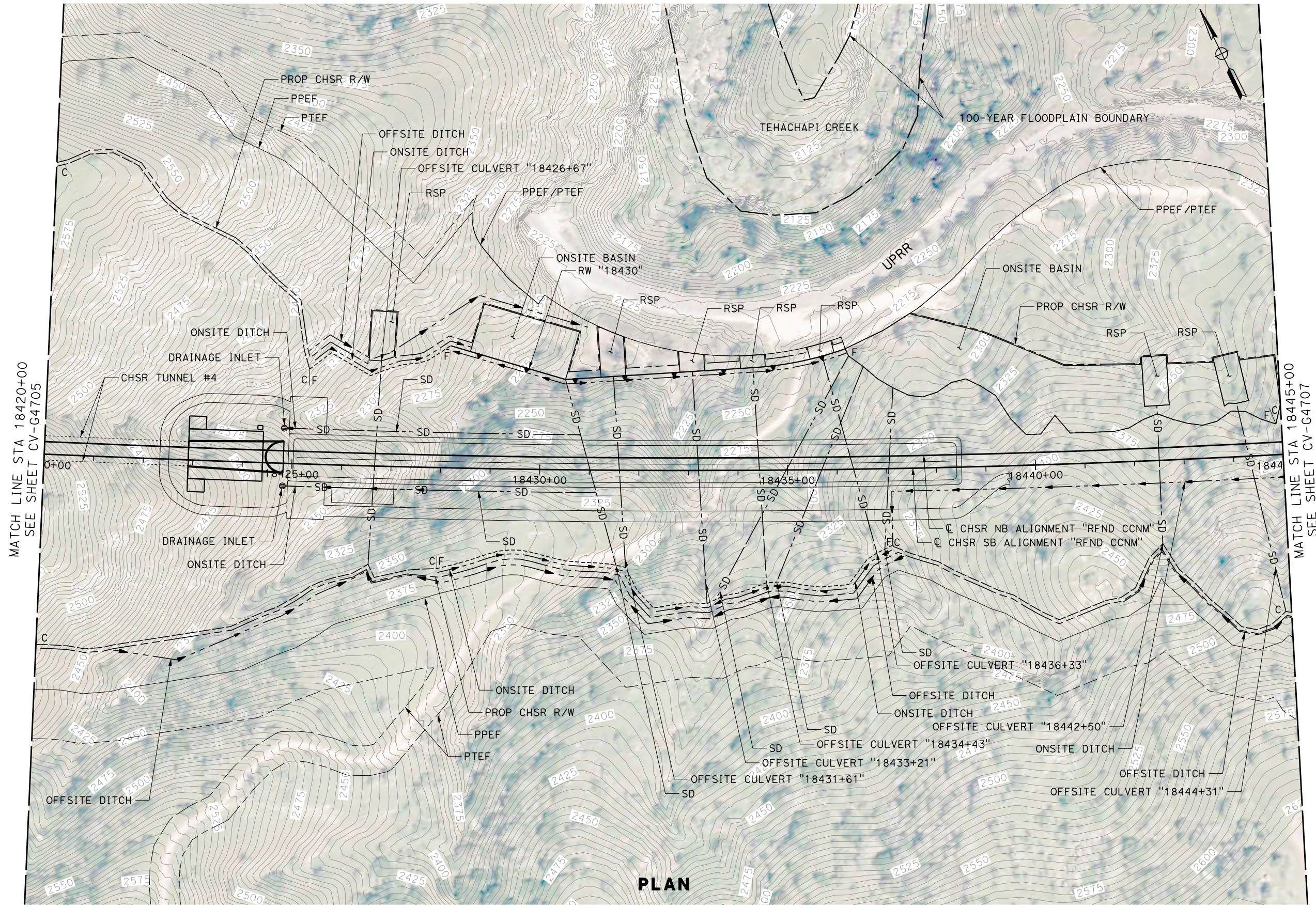


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18395+00 to 18420+00

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4705
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM Option D\Sheets\CV\G\BP-CV-G4706
 1/24/2020 7:27:40 PM

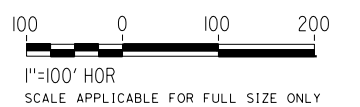
megan.blacet@tylin.com



PLAN

MATCH LINE STA 18420+00
 SEE SHEET CV-G4705

MATCH LINE STA 18445+00
 SEE SHEET CV-G4707



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
 DRAWN BY
M. BLACET
 CHECKED BY
G. YAMANAKA
 IN CHARGE
G. CAMPBELL
 DATE
01/24/2020

**RECORD
 PEPD
 SUBMITTAL**

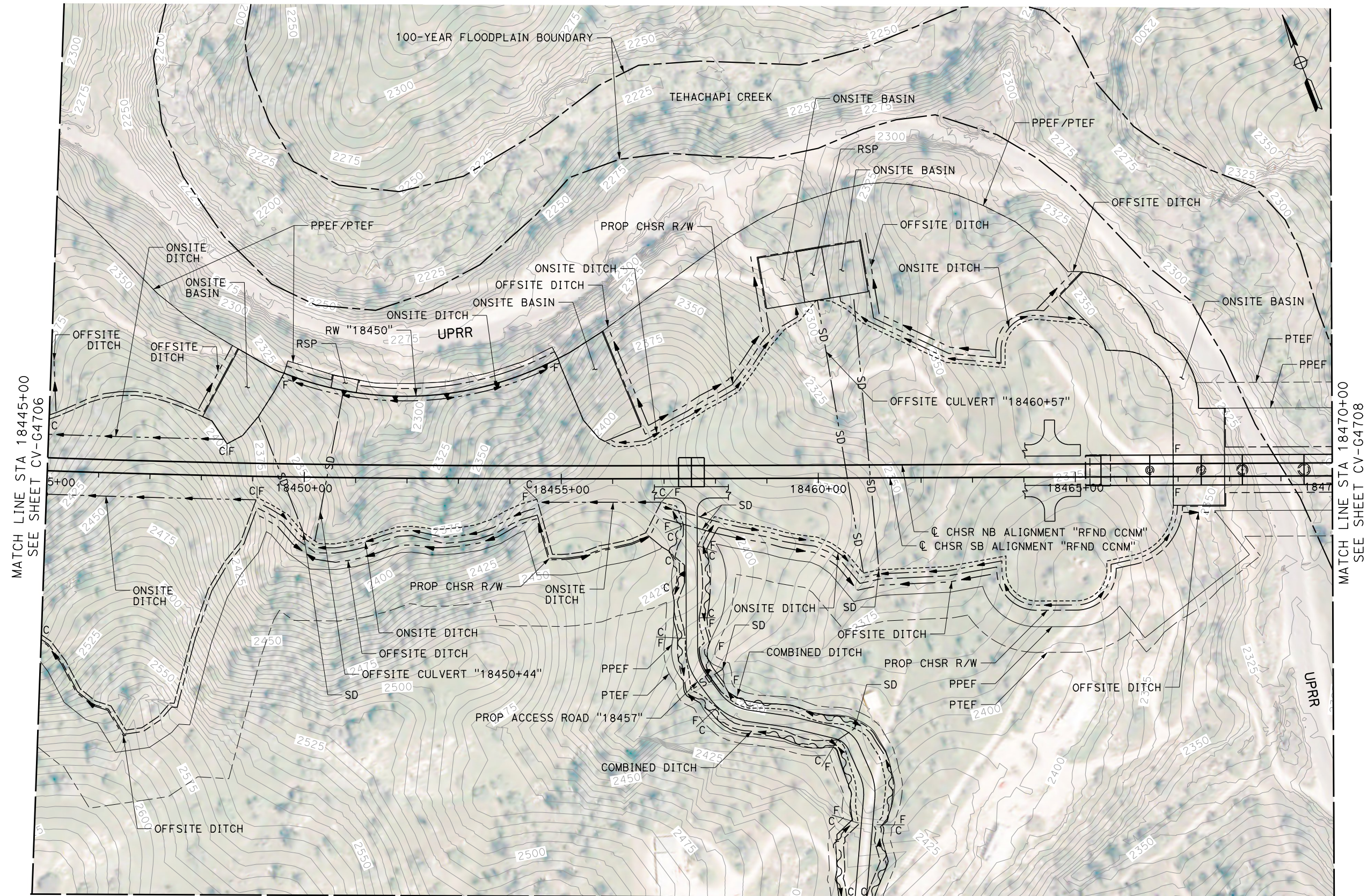
**NOT FOR
 CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 PLAN
 STA 18420+00 to 18445+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G4706
 SCALE
AS SHOWN
 SHEET NO.

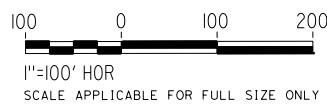
Projects\701206.00_CHSRBP_V00_CADD\CCNM_Option_D\Sheets\CV\G4707-CV-G4707 7:50:53 PM 1/24/2020 megan.blacet@tylin.com



MATCH LINE STA 18445+00
SEE SHEET CV-G4706

MATCH LINE STA 18470+00
SEE SHEET CV-G4708

PLAN MATCH LINE
SEE SHEET CV-G4734



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

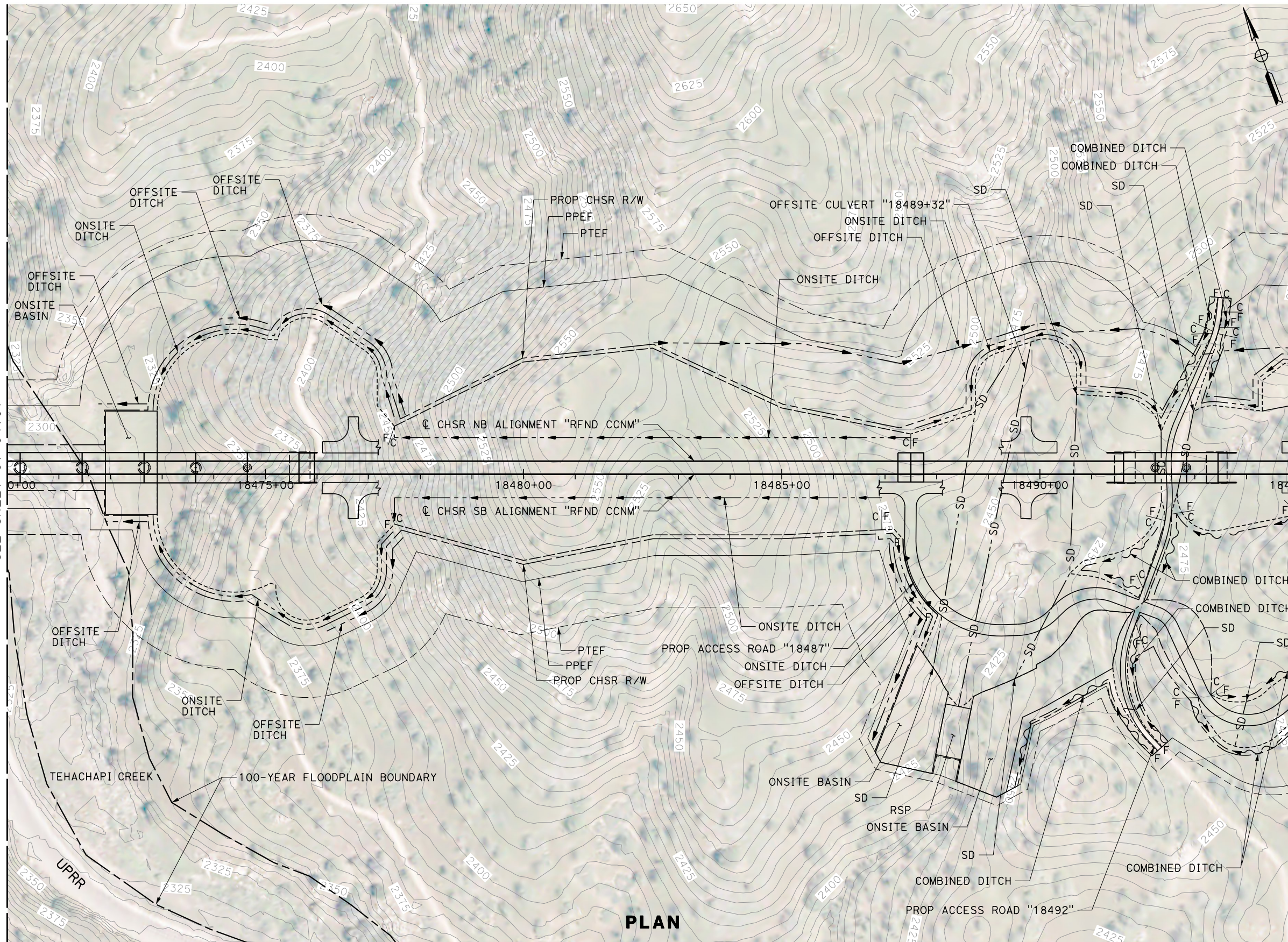


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18445+00 to 18470+00

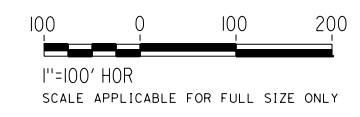
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4707
SCALE
AS SHOWN
SHEET NO.

MATCH LINE STA 18470+00
SEE SHEET CV-G4707

MATCH LINE STA 18495+00
SEE SHEET CV-G4709



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18470+00 to 18495+00

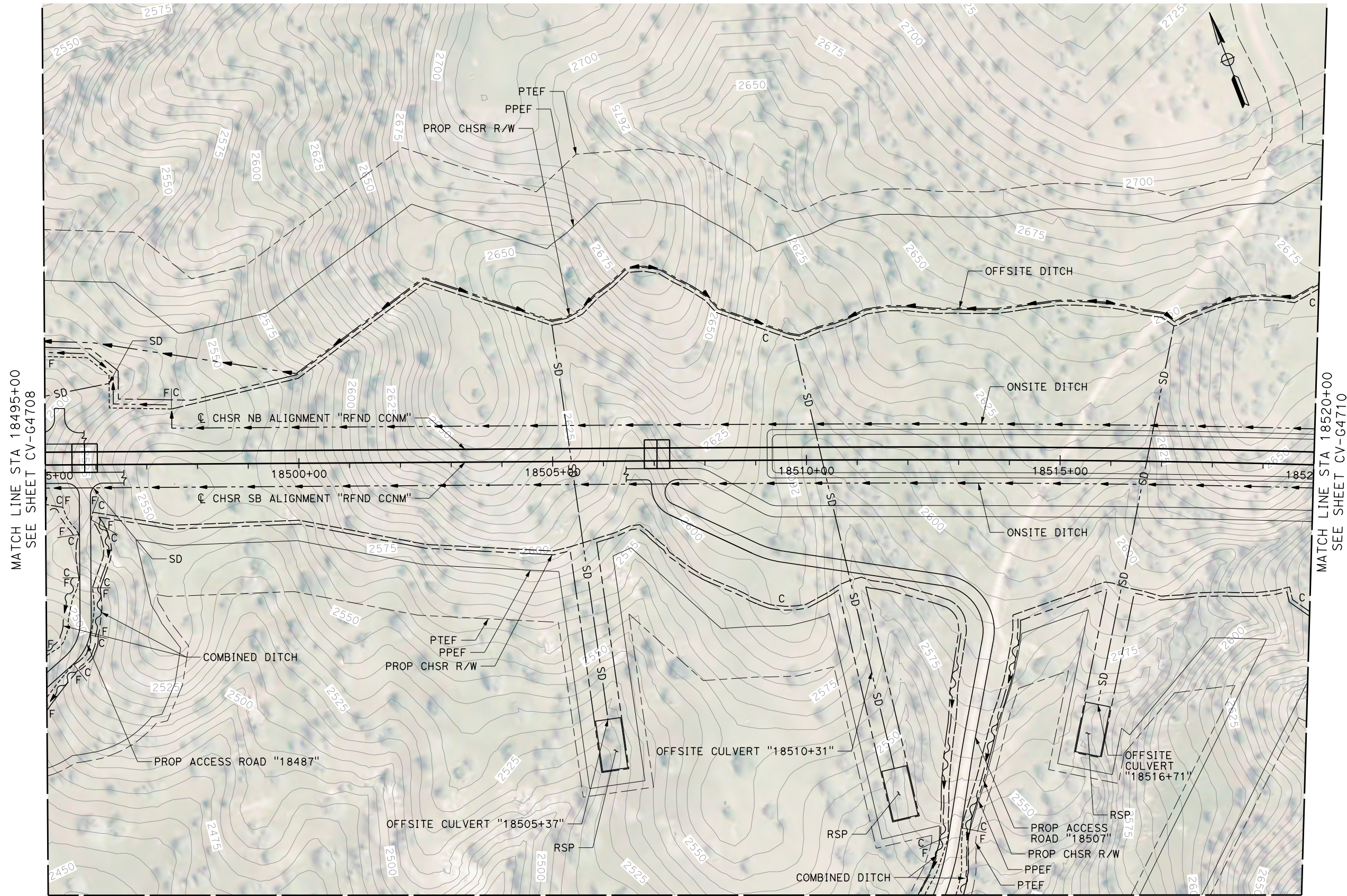
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4708
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\CCNM Op\1ion D\Sheets\CV\G\BP-CV-G4709

7:51:23 PM

1/24/2020

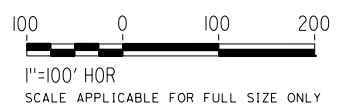
megan.blacet@tylin.com



MATCH LINE STA 18495+00
SEE SHEET CV-G4708

MATCH LINE STA 18520+00
SEE SHEET CV-G4710

MATCH LINE
SEE SHEET CV-G4735
PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA

DRAWN BY
M. BLACET

CHECKED BY
G. YAMANAKA

IN CHARGE
G. CAMPBELL

DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 REFINED CCNM DESIGN OPTION
 GRADING AND DRAINAGE
 PLAN
 STA 18495+00 to 18520+00

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G4709

SCALE
AS SHOWN

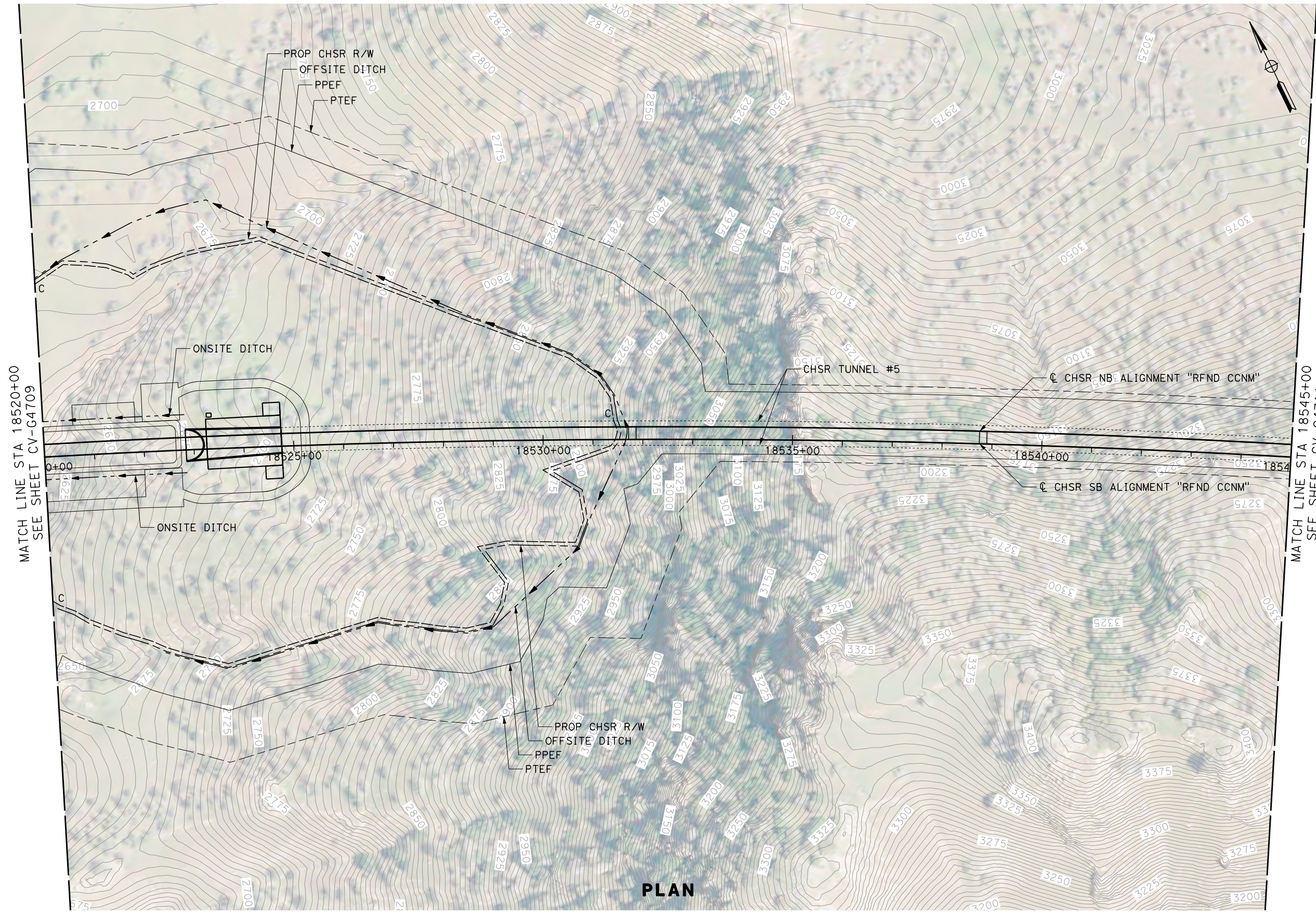
SHEET NO.

Projects\701206.00_CHSR\BP_V00_CADD\CCNM Option D\Sheets\CV\G\BP-CV-G4710

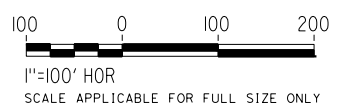
7:27:58 PM

1/24/2020

megan.blacet@tylin.com



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

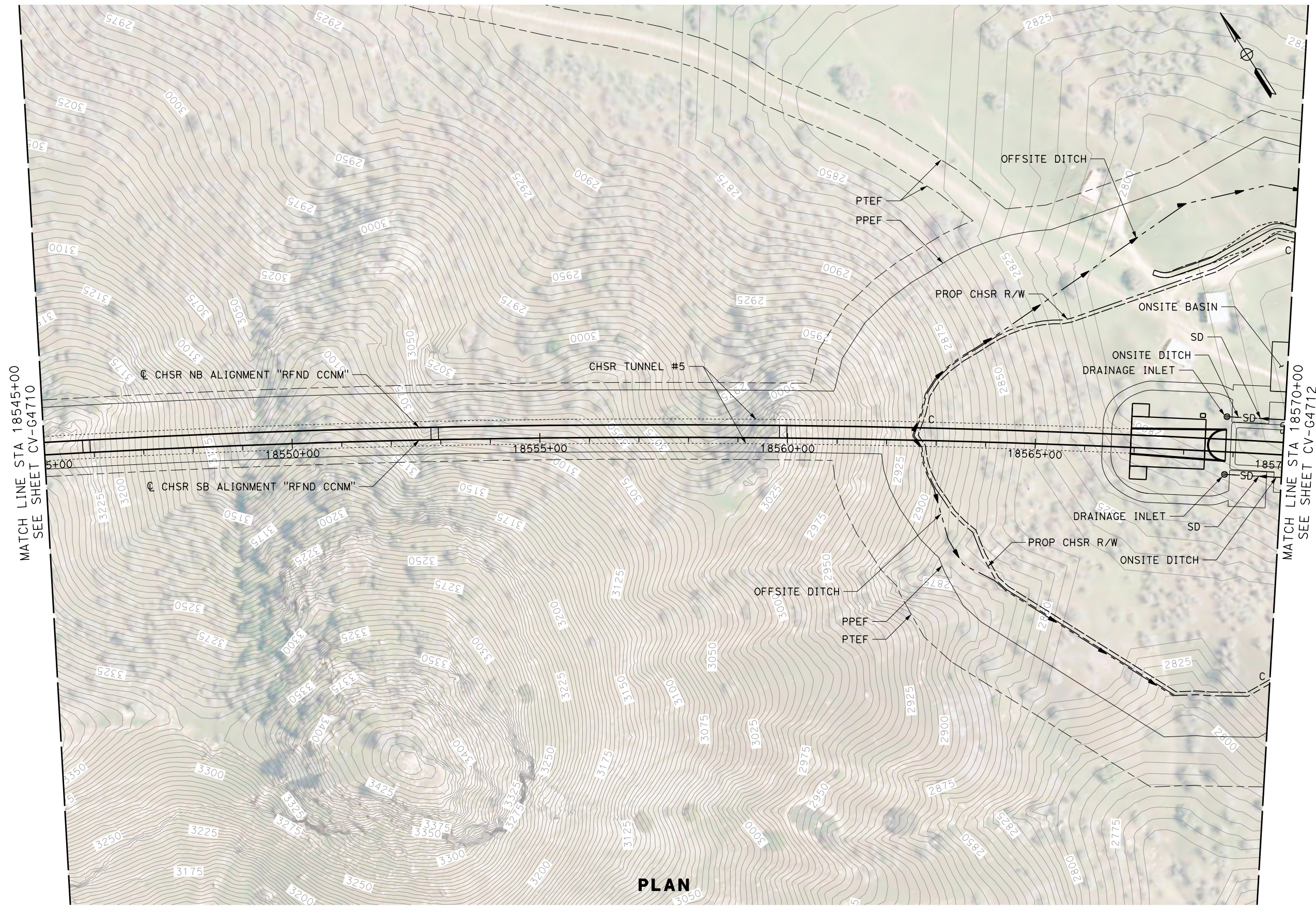
**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18520+00 to 18545+00

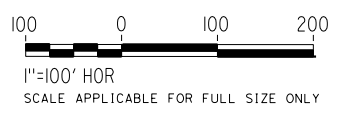
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4710
SCALE
AS SHOWN
SHEET NO.



MATCH LINE STA 18545+00
SEE SHEET CV-G4710

MATCH LINE STA 18570+00
SEE SHEET CV-G4712

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

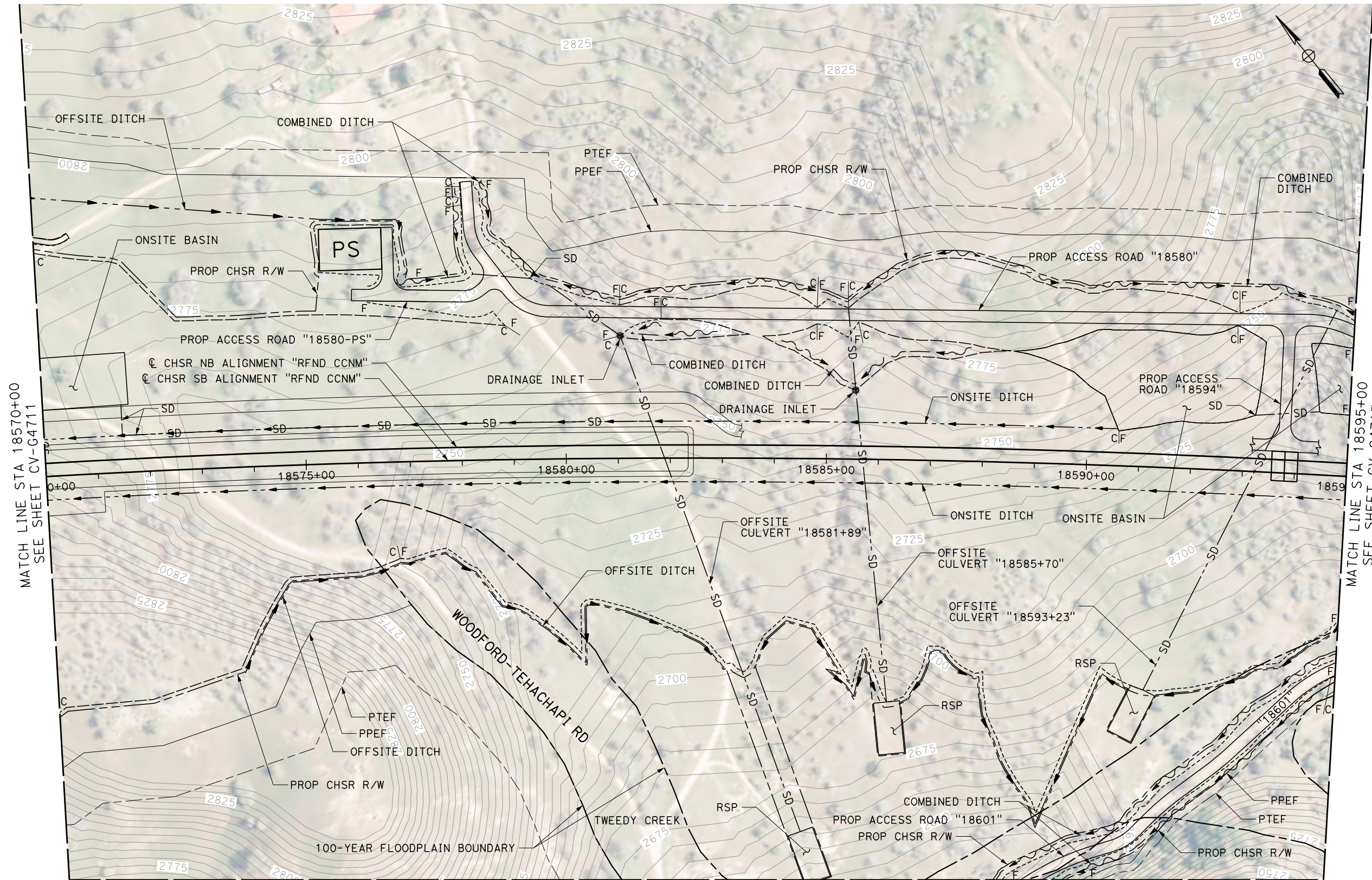


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18545+00 to 18570+00

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4711
SCALE
AS SHOWN
SHEET NO.

1/24/2020 7:28:06 PM Projects\701206.00_CHSRBP\00_CADD\CCNM Op\Plan D\Sheets\CV\G\BP-CV-G4712

megan.blacet@tylin.com

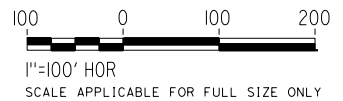


MATCH LINE STA 18570+00
SEE SHEET CV-G4711

MATCH LINE STA 18595+00
SEE SHEET CV-G4713

MATCH LINE
SEE SHEET CV-G4739

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

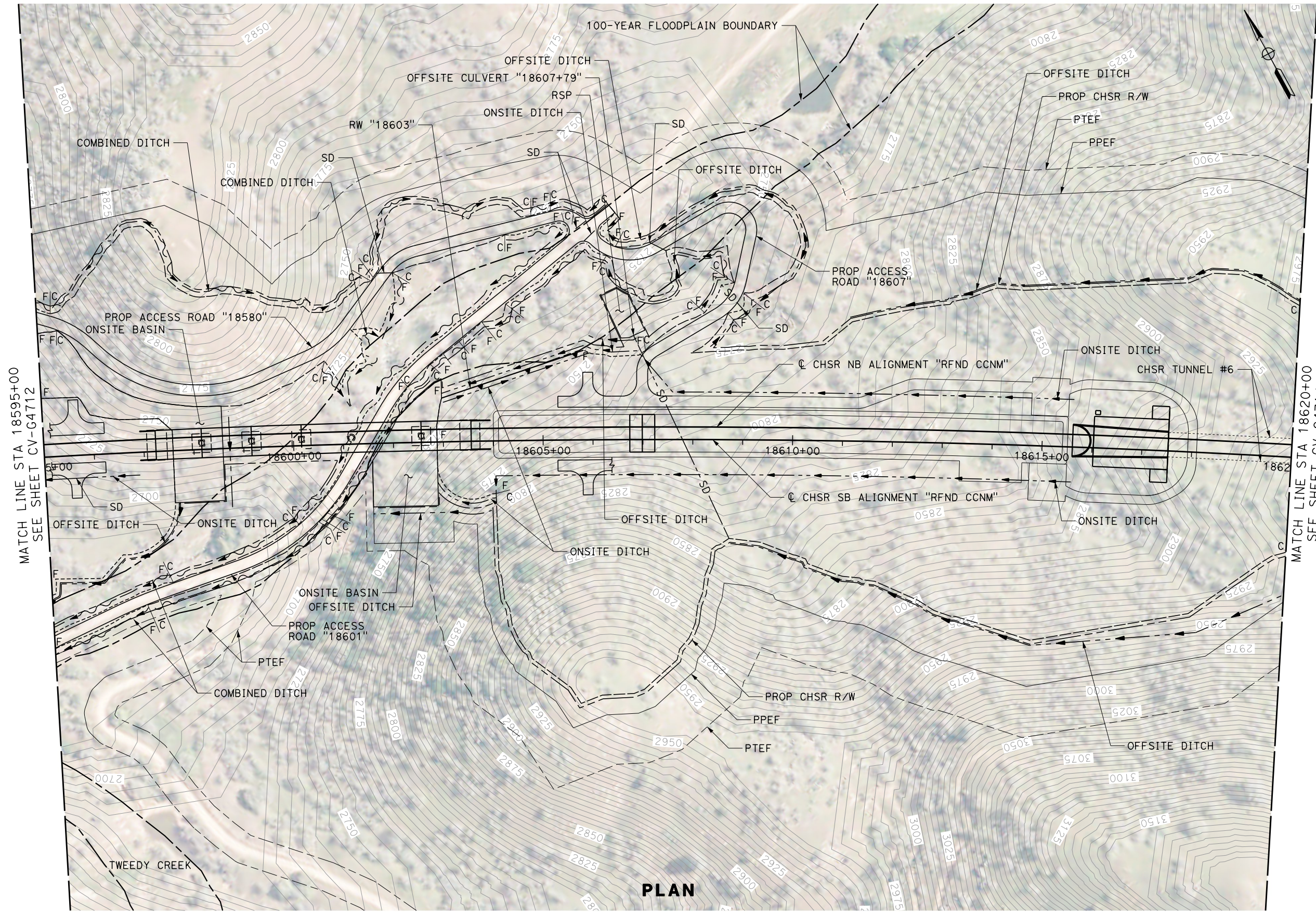
**NOT FOR
CONSTRUCTION**

TYLIN INTERNATIONAL

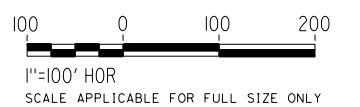


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18570+00 to 18595+00

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4712
SCALE
AS SHOWN
SHEET NO.



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

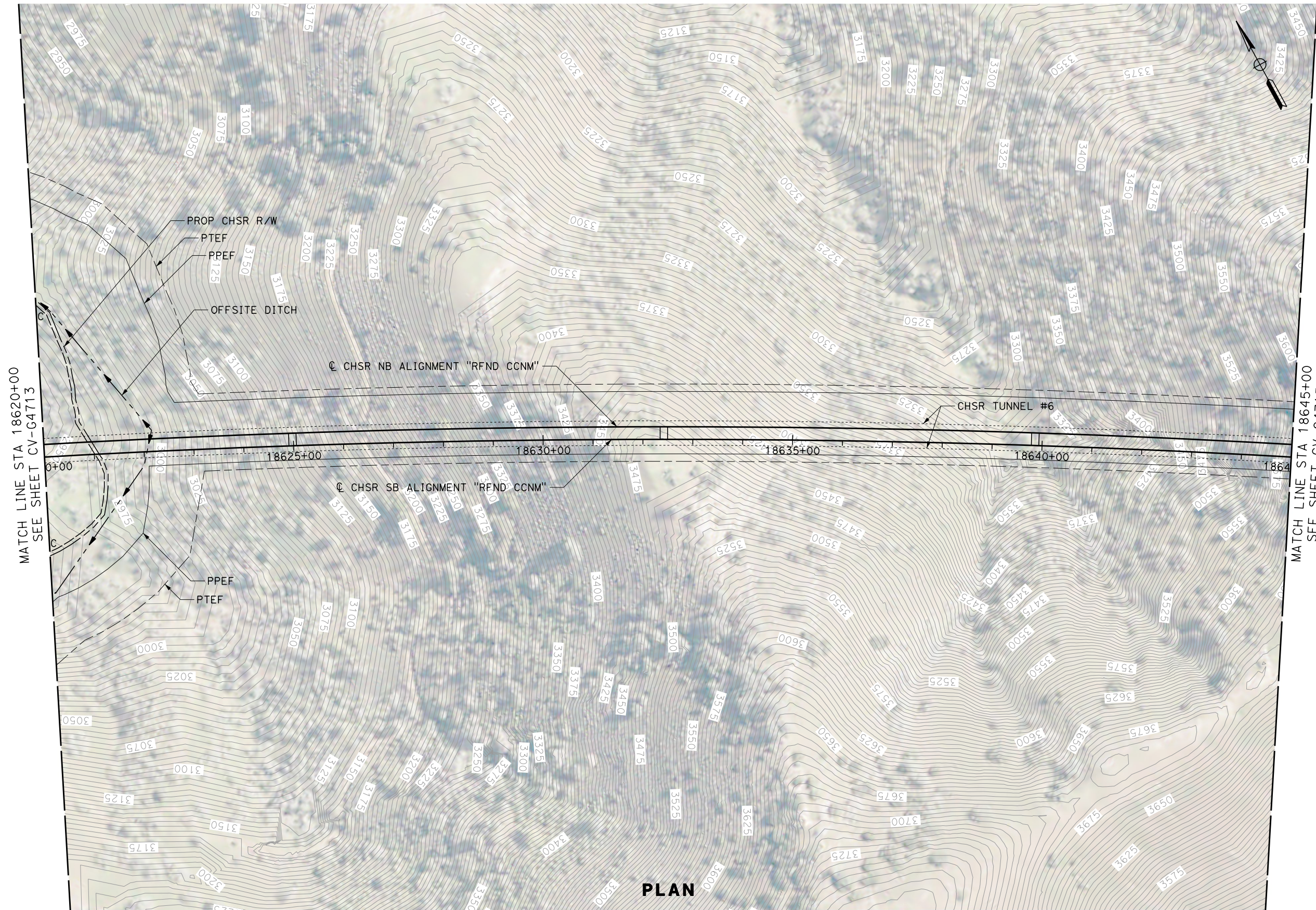
**NOT FOR
CONSTRUCTION**



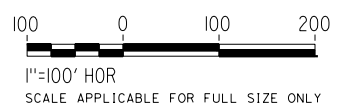
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18595+00 to 18620+00

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4713
SCALE
AS SHOWN
SHEET NO.



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

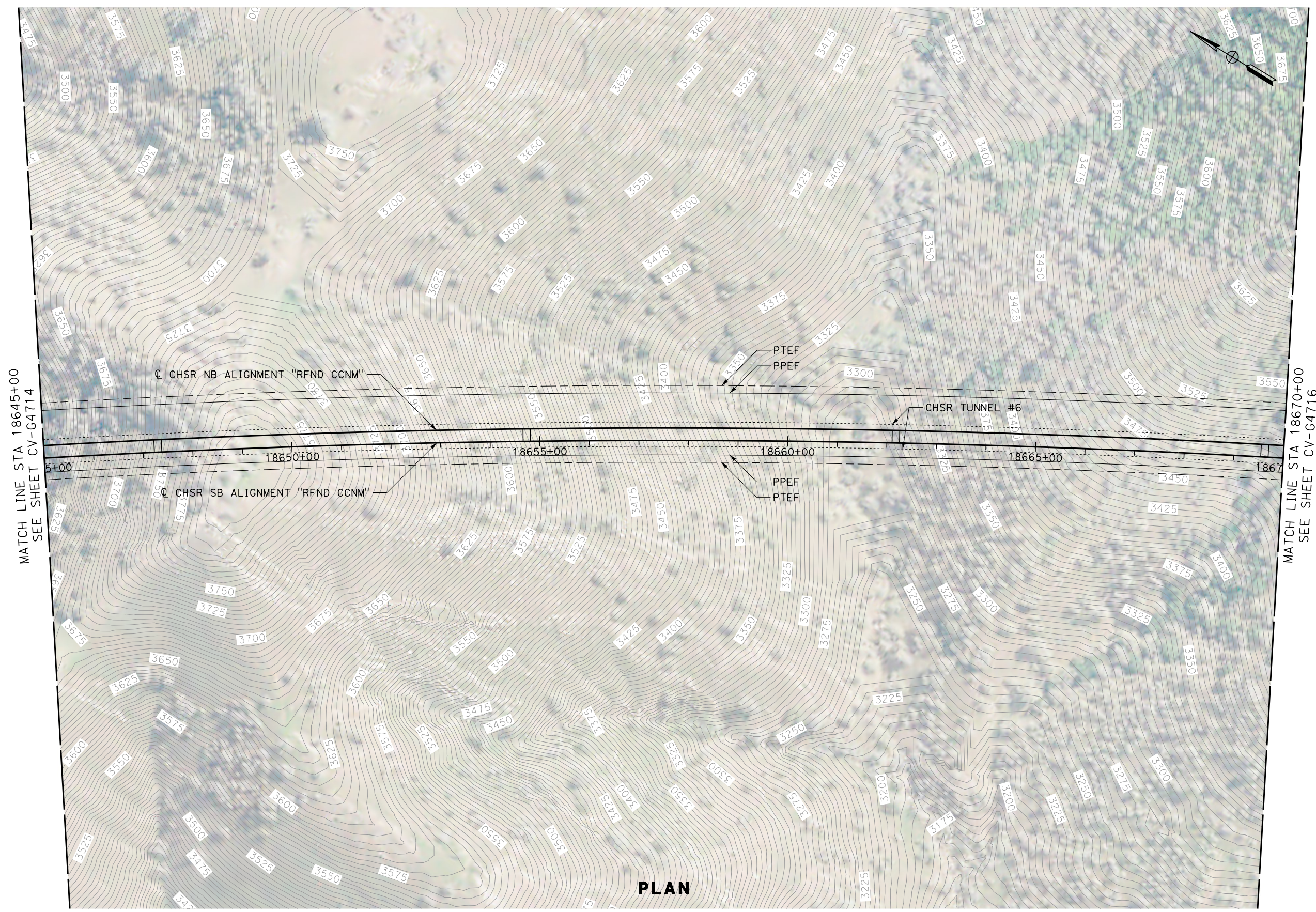
**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18620+00 to 18645+00

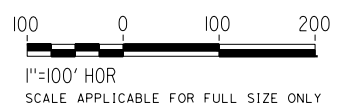
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4714
SCALE
AS SHOWN
SHEET NO.



MATCH LINE STA 18645+00
SEE SHEET CV-G4714

MATCH LINE STA 18670+00
SEE SHEET CV-G4716

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
G. YAMANAKA
DRAWN BY
M. BLACET
CHECKED BY
G. YAMANAKA
IN CHARGE
G. CAMPBELL
DATE
01/24/2020

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
GRADING AND DRAINAGE
PLAN
STA 18645+00 to 18670+00

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4715
SCALE
AS SHOWN
SHEET NO.