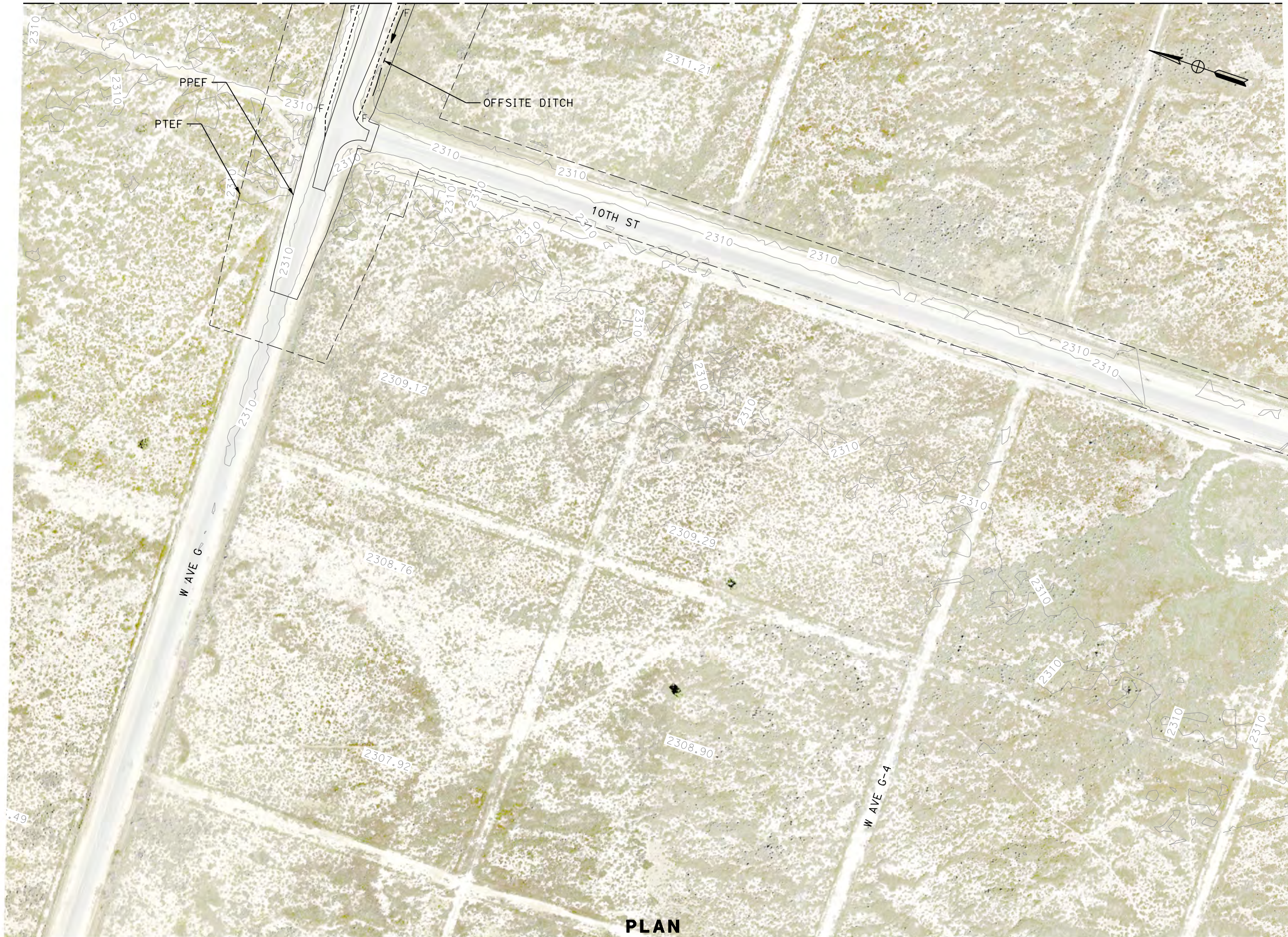
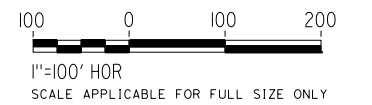


MATCH LINE (CV-G4504)



PLAN



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A. CAROLINO
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IN CHARGE
S. SMITH
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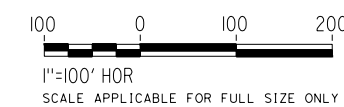
**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 5
GRADING AND DRAINAGE
ROAD CROSSING STA. 20805+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4536
SCALE
AS SHOWN
SHEET NO.



PLAN

Projects\T01206\00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4538.dgn

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

ALTERNATIVE 5
GRADING AND DRAINAGE
ROAD CROSSING STA. 20860+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4538
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G4539.dgn

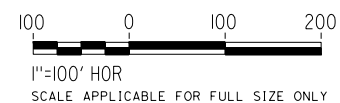
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PLAN

MATCH LINE (CV-G4508)

MATCH LINE (CV-G4540)

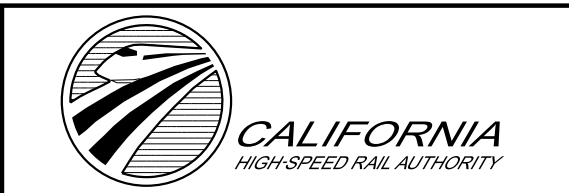


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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

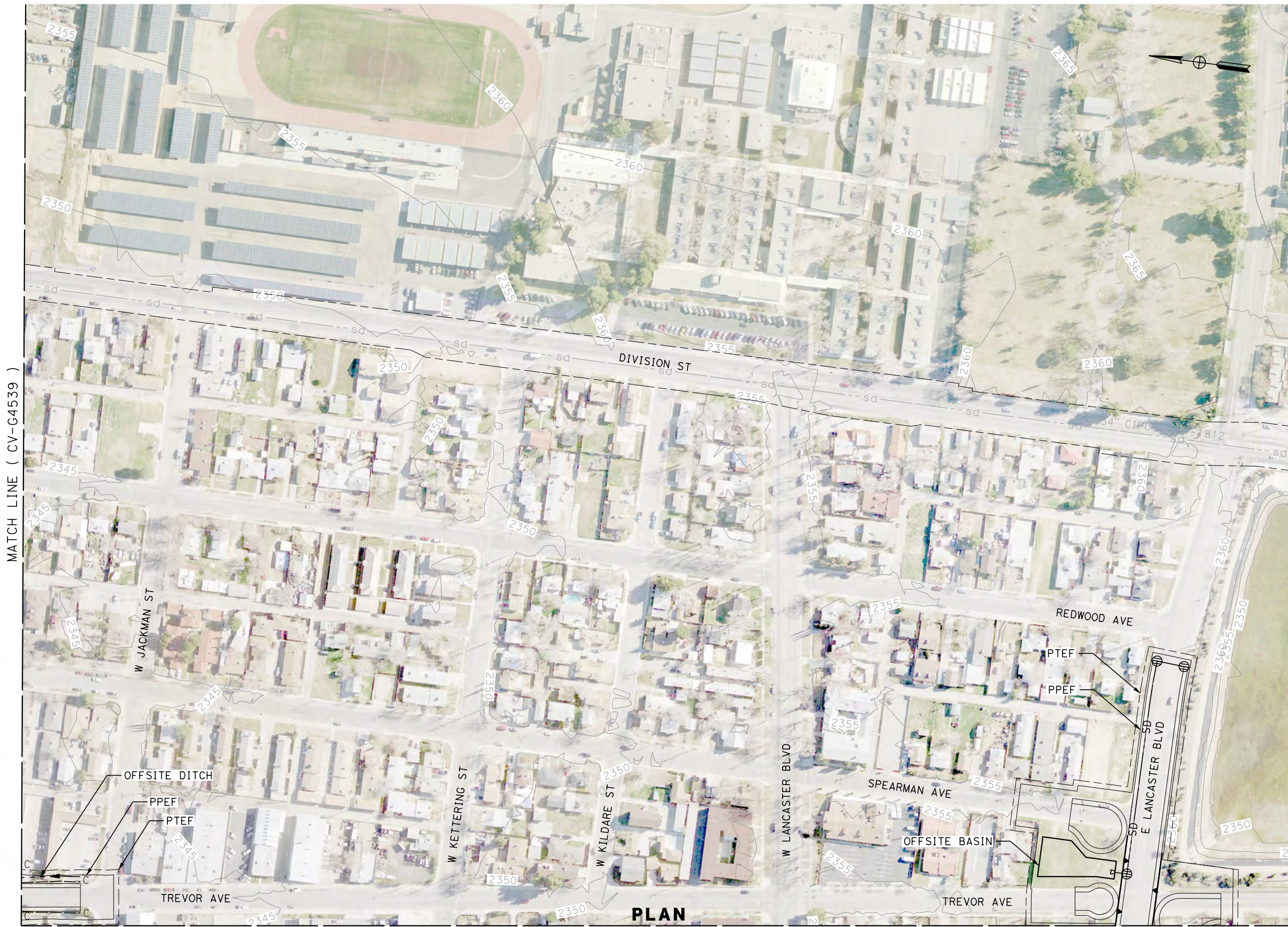
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GRADING AND DRAINAGE
ROAD CROSSING STA. 20915+00
PLAN

CONTRACT NO.
HSR13-44

DRAWING NO.
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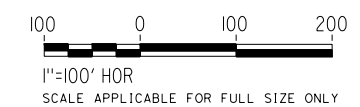
SCALE
AS SHOWN

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MATCH LINE (CV-G4539)

PLAN
MATCH LINE (CV-G4509)



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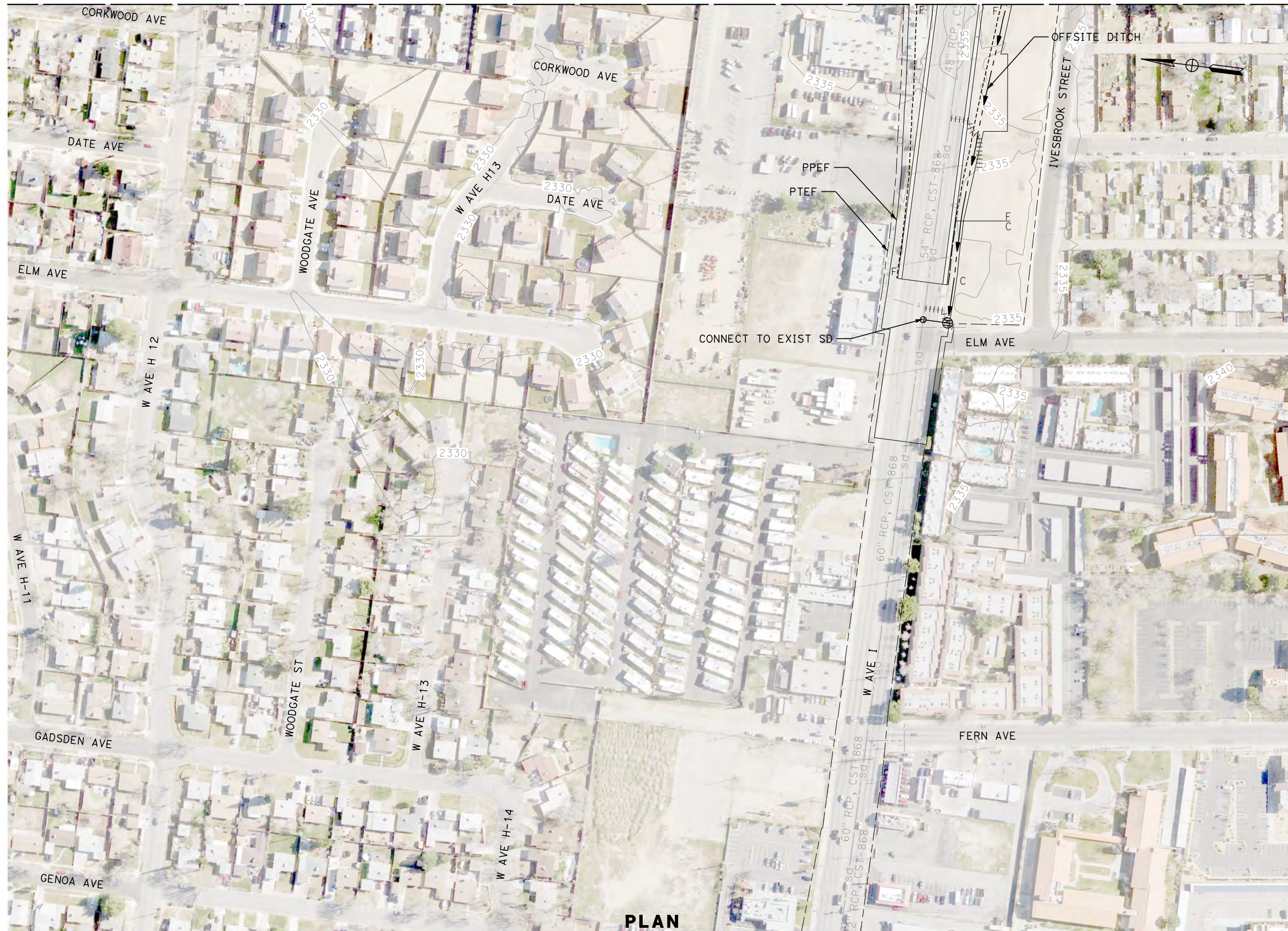


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5
GRADING AND DRAINAGE
ROAD CROSSING STA. 20942+00
PLAN

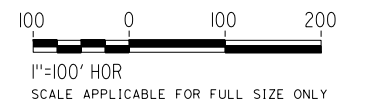
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4540
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (CV-G4508)



PLAN

MATCH LINE (CV-G4542)



Projects\T01206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G4541.dgn

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

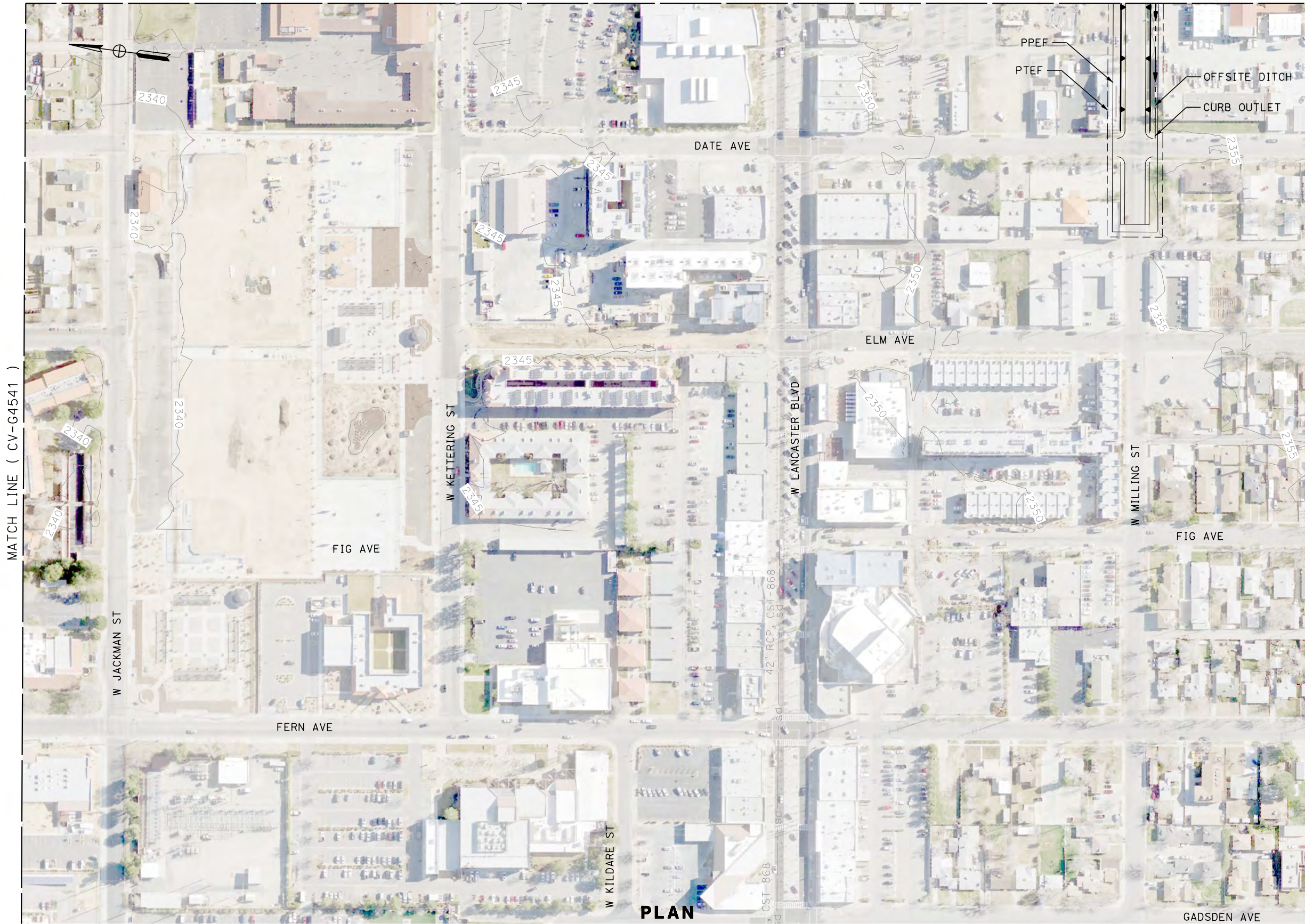
ALTERNATIVE 5
GRADING AND DRAINAGE
ROAD CROSSING STA. 20915+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4541
SCALE
AS SHOWN
SHEET NO.

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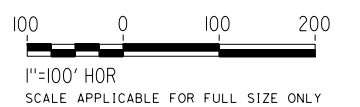
MATCH LINE (CV-G4509)



MATCH LINE (CV-G4541)

PPEF
PTEF
OFFSITE DITCH
CURB OUTLET

PLAN



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

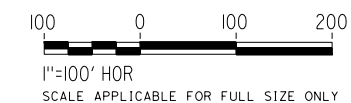
ALTERNATIVE 5
GRADING AND DRAINAGE
ROAD CROSSING STA. 20942+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4542
SCALE
AS SHOWN
SHEET NO.



MATCH LINE (CV-G4510)

MATCH LINE (CV-G4511)

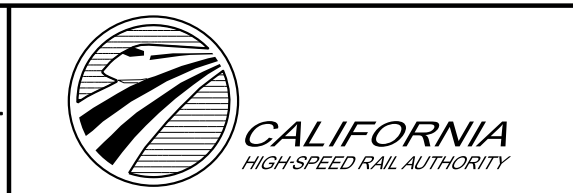


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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5
GRADING AND DRAINAGE
ROAD CROSSING STA. 20968+00
PLAN

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G4543

SCALE
AS SHOWN

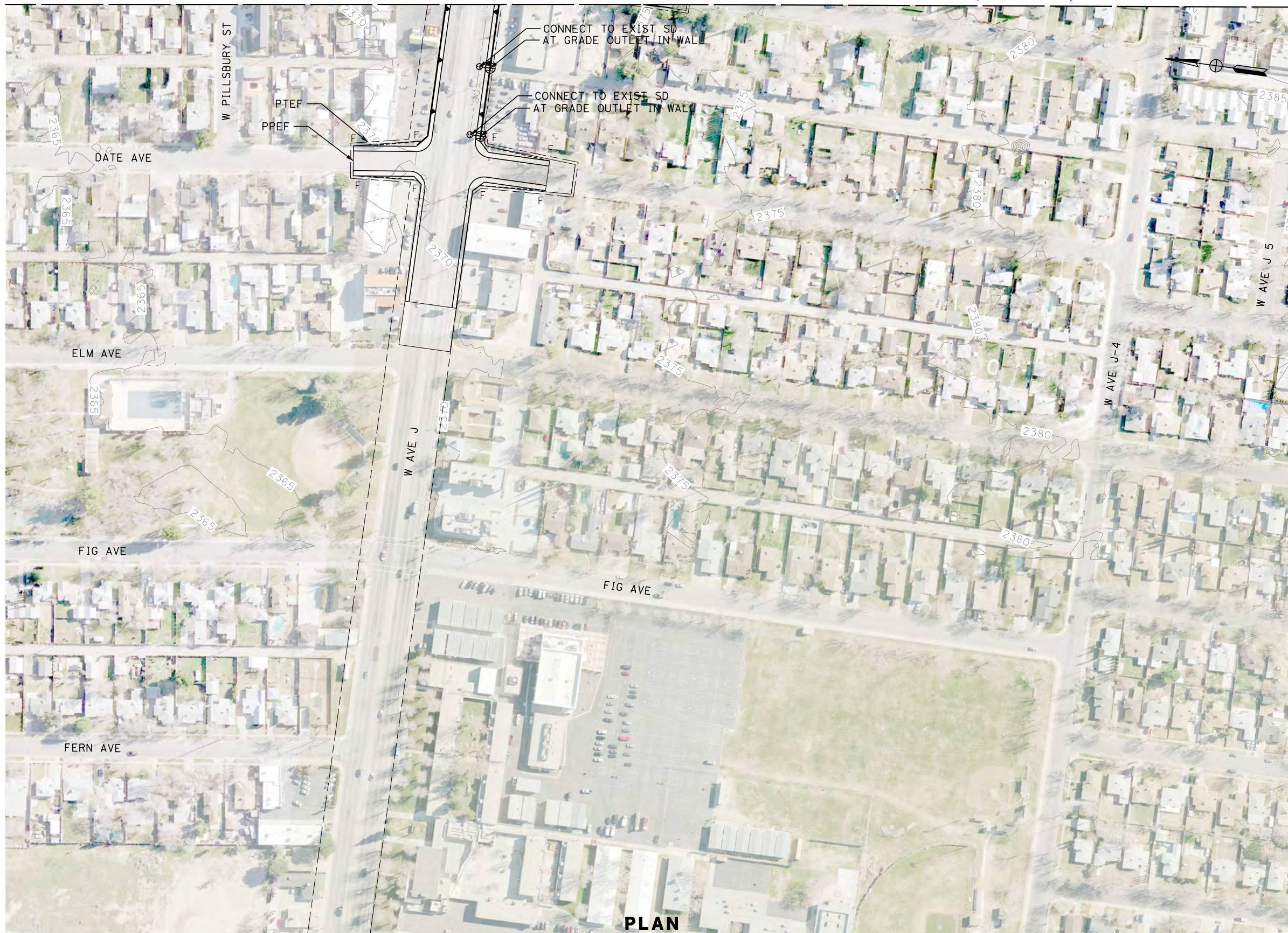
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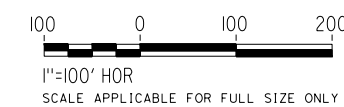
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MATCH LINE (CV-G4510)

MATCH LINE (CV-G4511)



PLAN



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

ALTERNATIVE 5
GRADING AND DRAINAGE
ROAD CROSSING STA. 20968+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G4544
SCALE
AS SHOWN
SHEET NO.

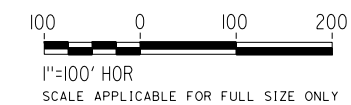
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MATCH LINE (CV-G4512)

MATCH LINE (CV-G4513)



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

ALTERNATIVE 5
GRADING AND DRAINAGE
ROAD CROSSING STA. 21021+00
PLAN

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-G4545

SCALE
AS SHOWN

SHEET NO.

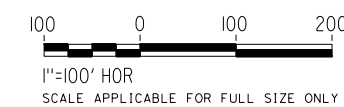
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PLAN

MATCH LINE (CV-G4517)



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

ALTERNATIVE 5
GRADING AND DRAINAGE
ROAD CROSSING STA. 21128+00
PLAN

CONTRACT NO.
HSR13-44

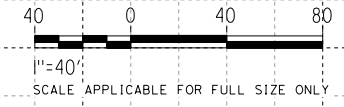
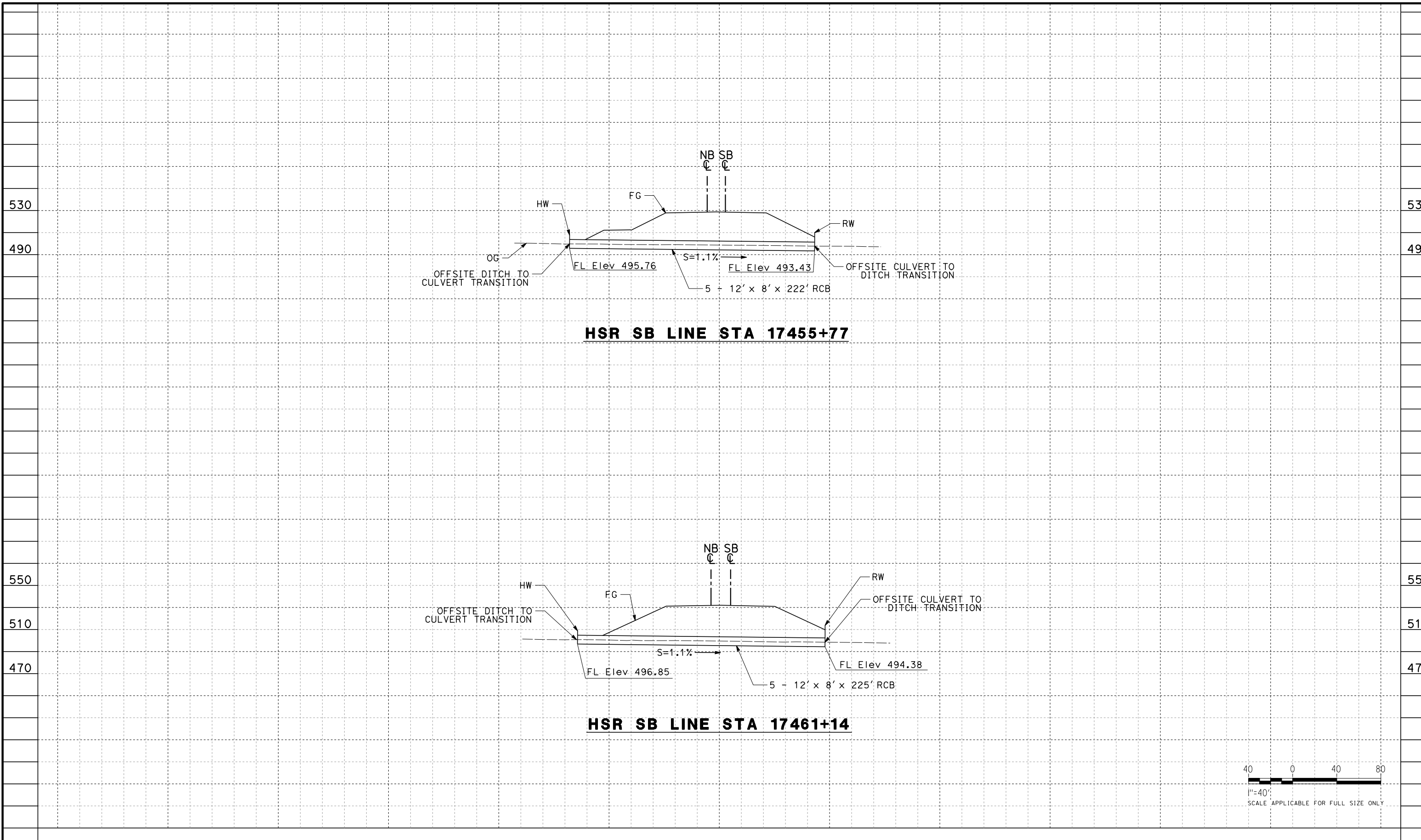
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SCALE
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J. ABRAMS

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N. SANDERS

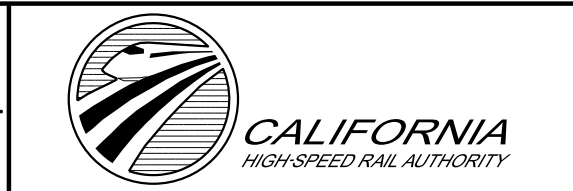
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17455, 17461
PROFILE

CONTRACT NO.
HSR13-44

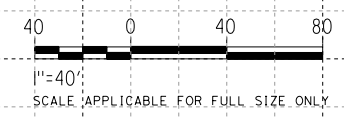
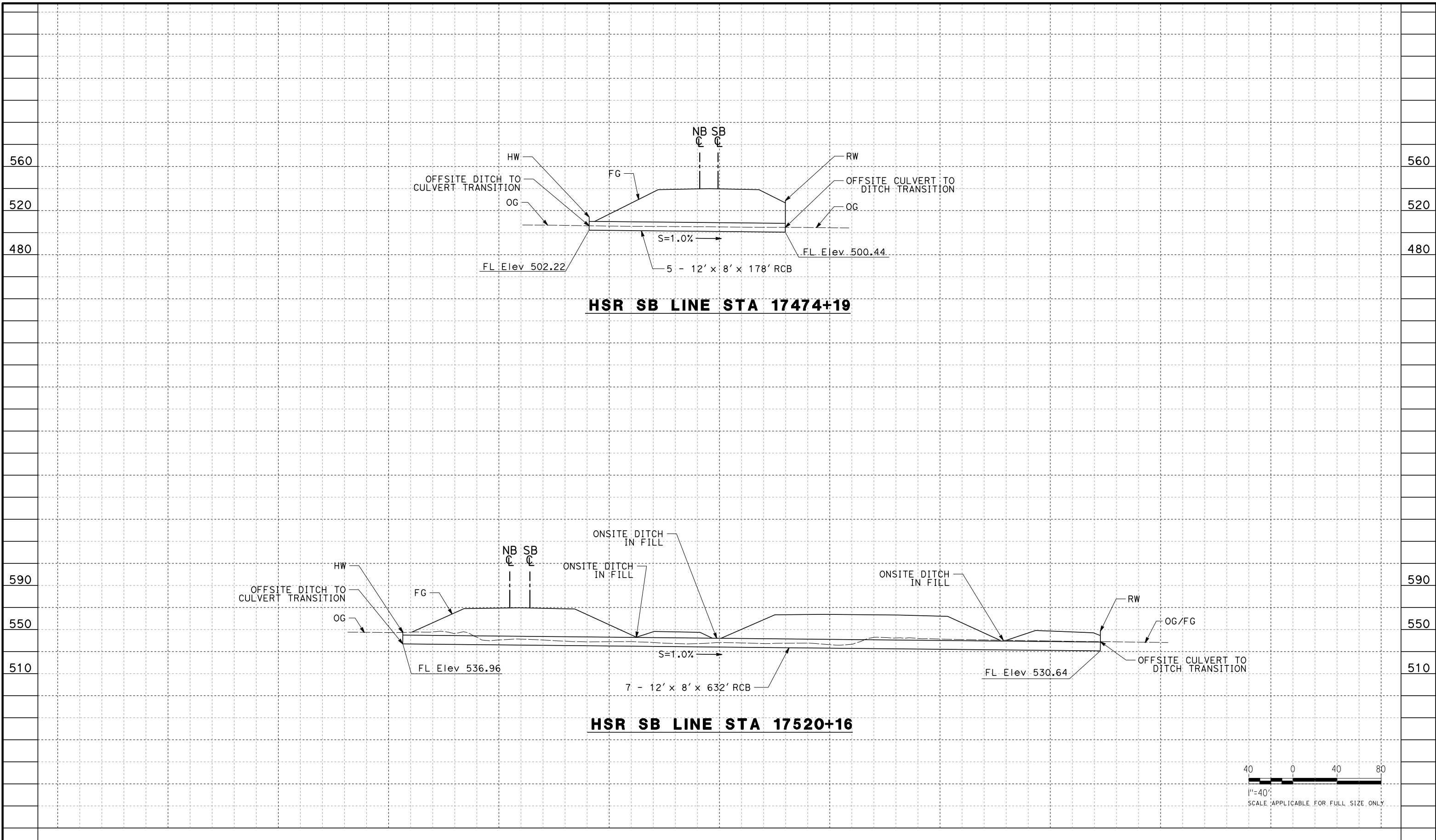
DRAWING NO.
CV-G1001

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\CV\G\BP-CV-G1002.dgn

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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17474, 17520
PROFILE

CONTRACT NO.
HSR13-44

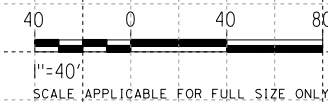
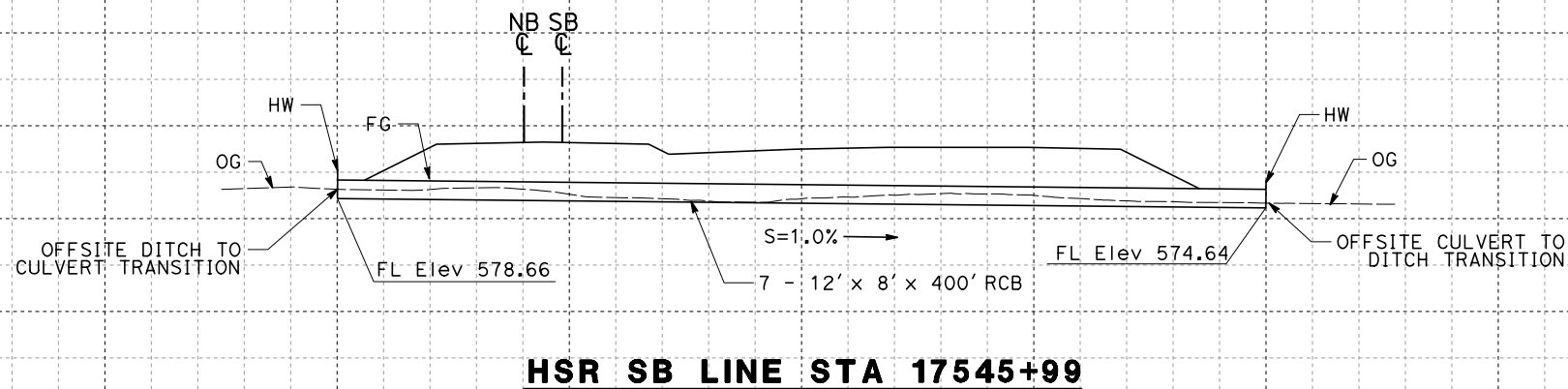
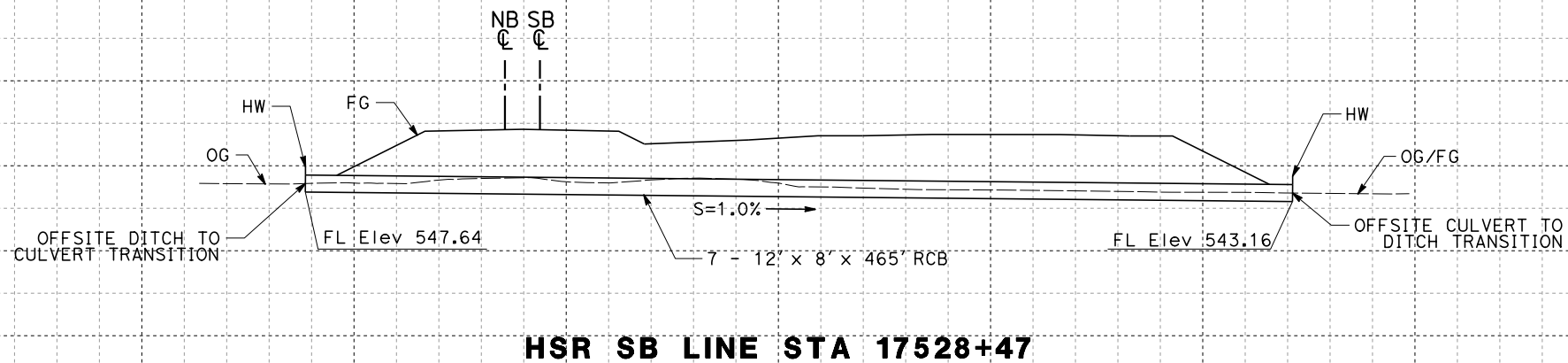
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SCALE
AS SHOWN

SHEET NO.

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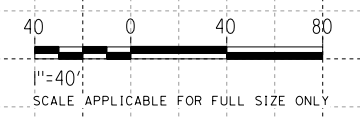
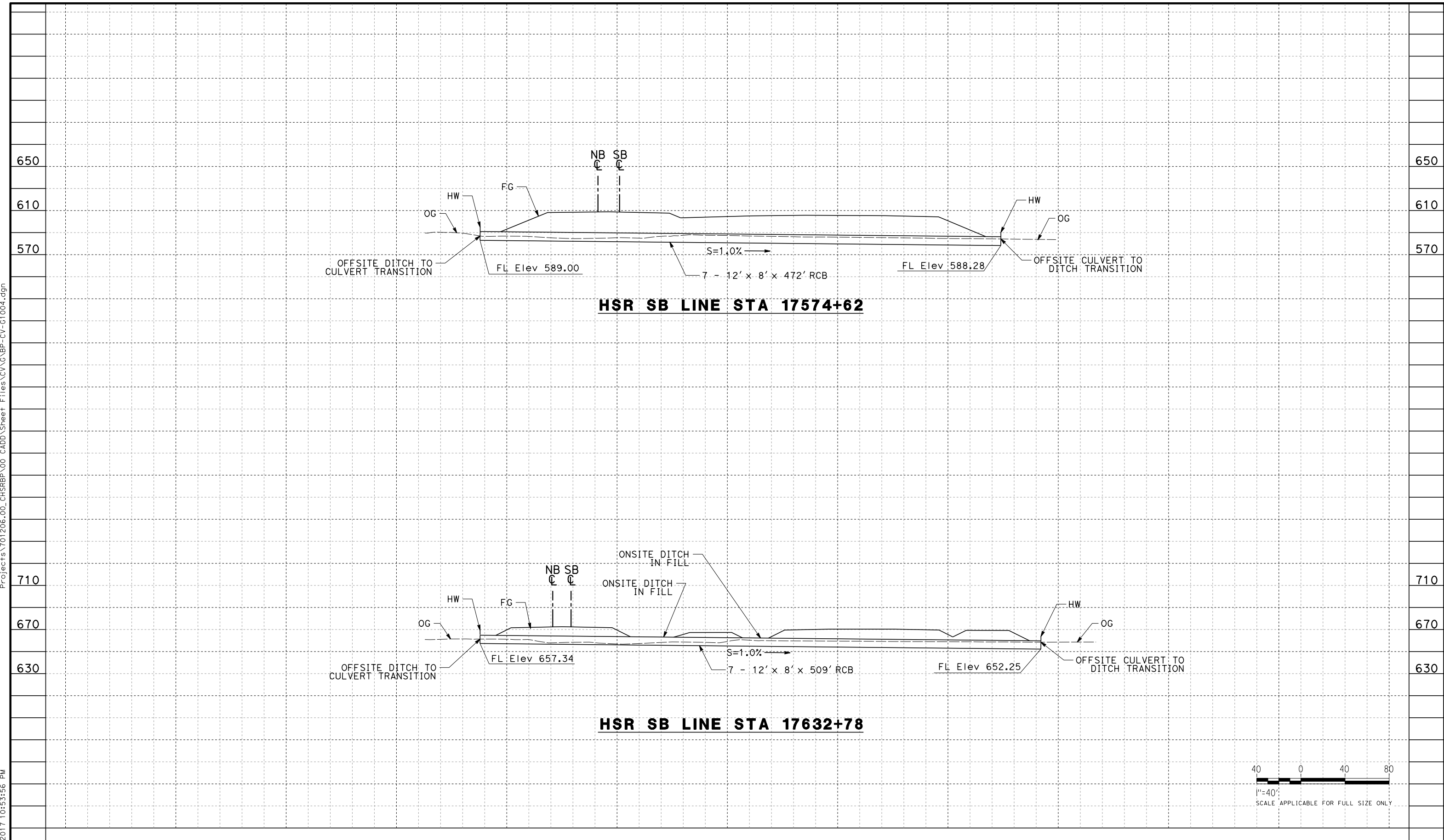
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17528, 17545
PROFILE

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

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1004.dgn

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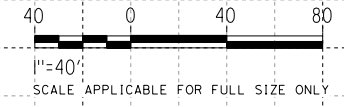
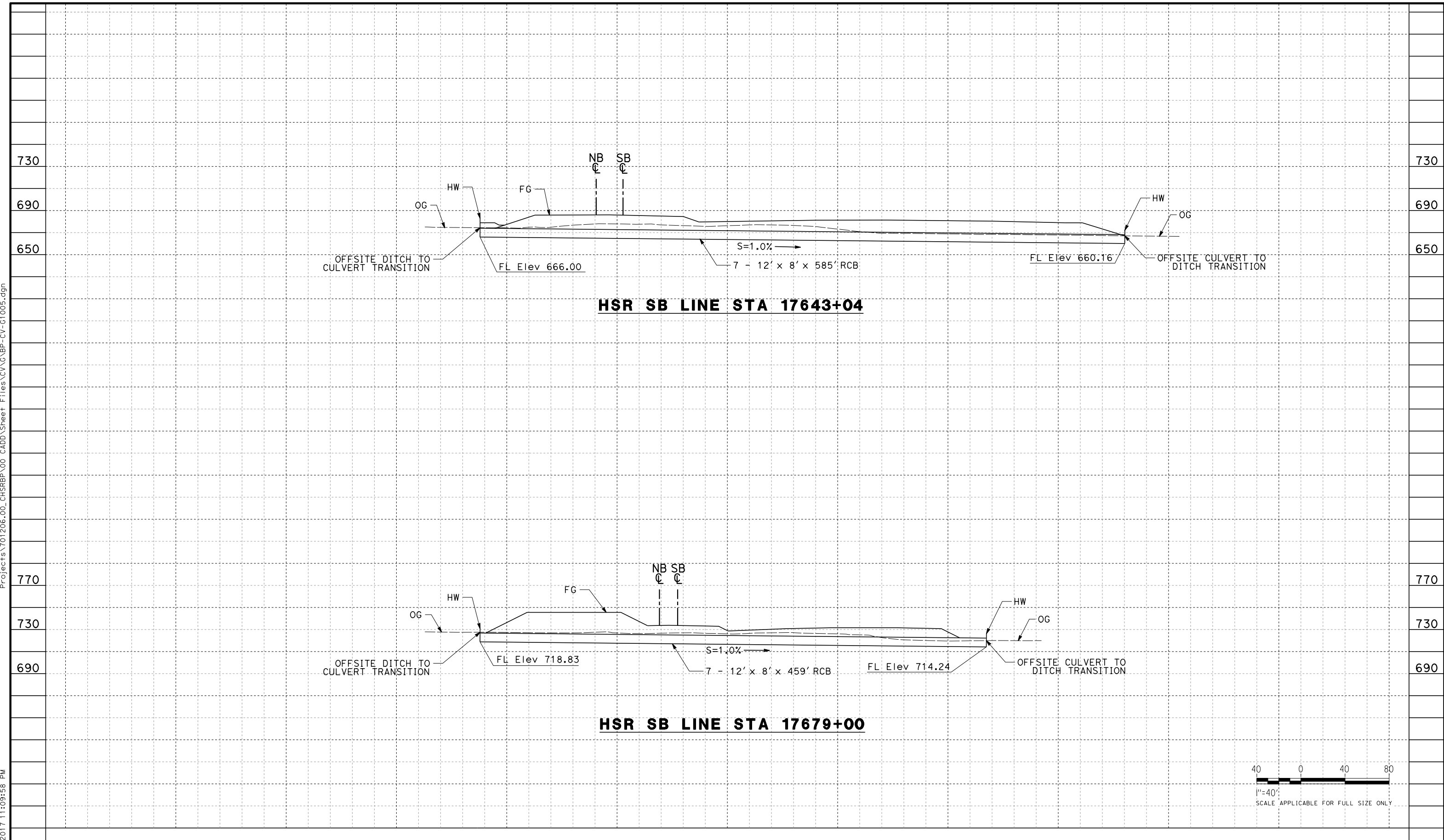
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17574, 17632
PROFILE

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

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1005.dgn

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

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17643, 17679
PROFILE

CONTRACT NO.
HSR13-44

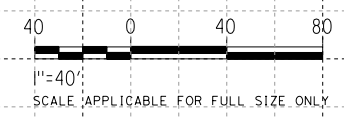
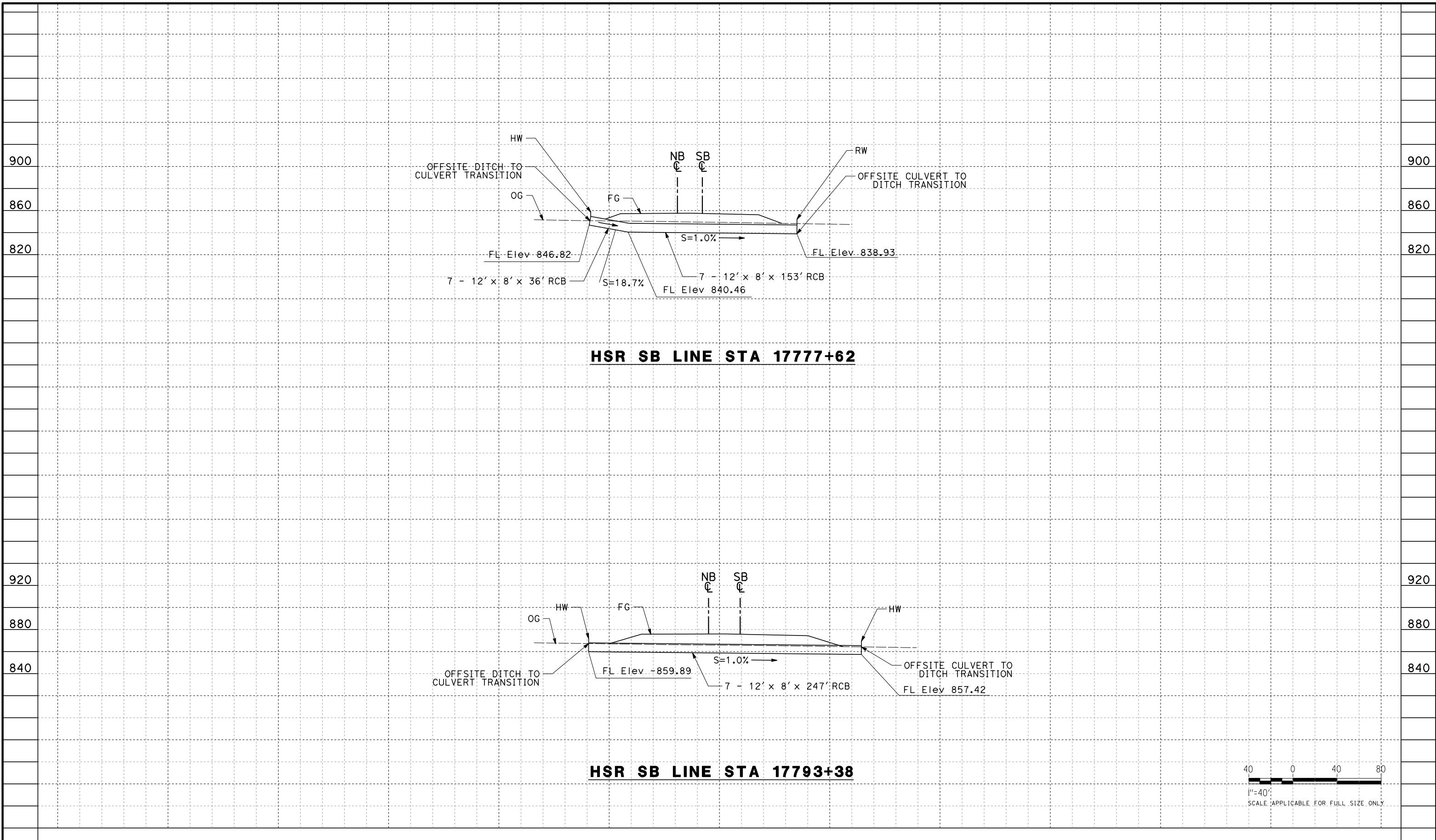
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SCALE
AS SHOWN

SHEET NO.

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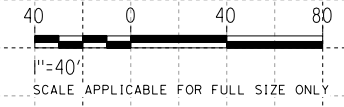
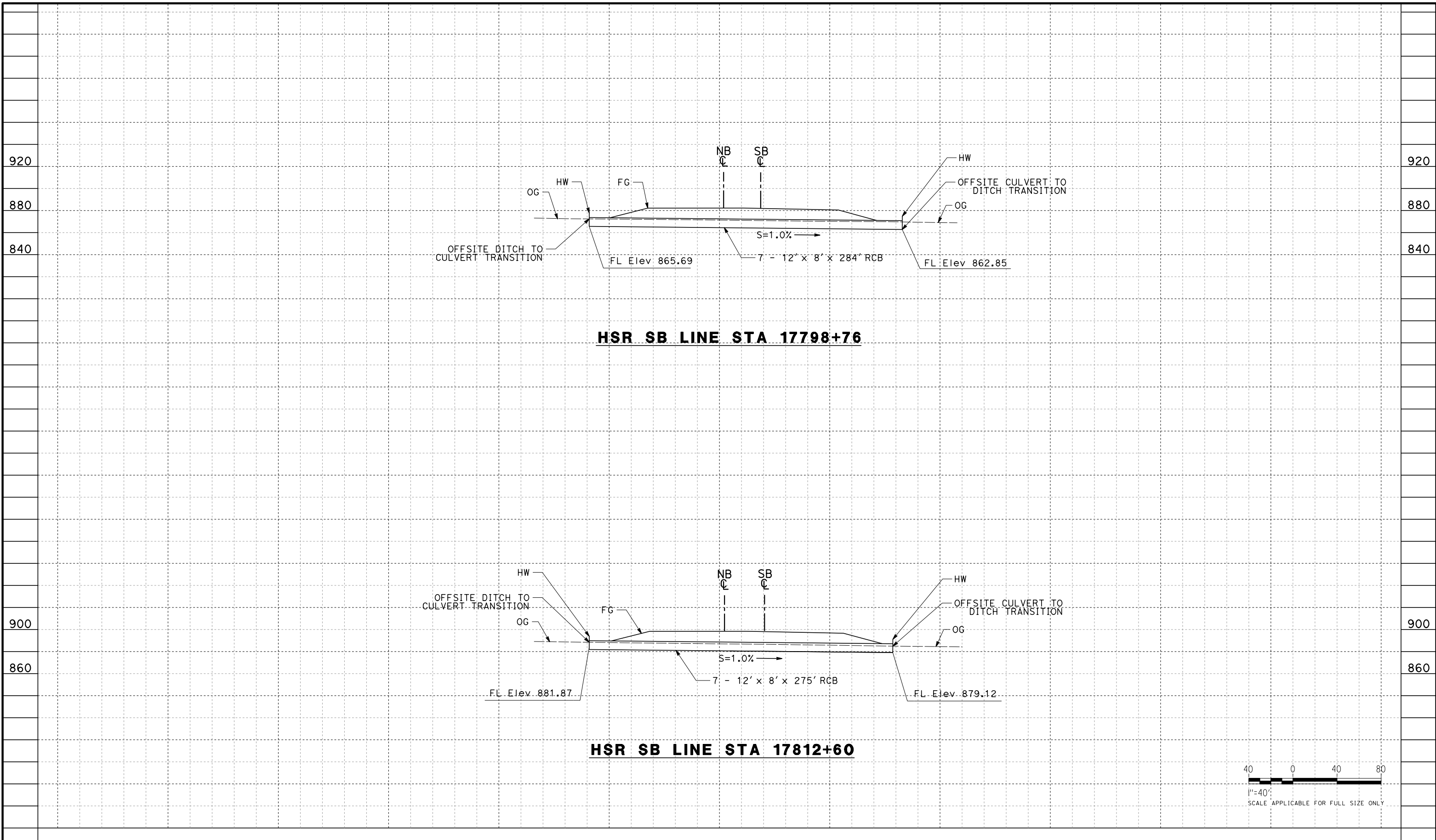
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17777, 17793
PROFILE

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

Projects\T01206\00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1007.dgn

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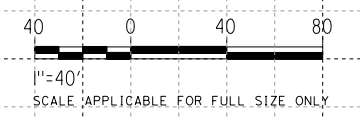
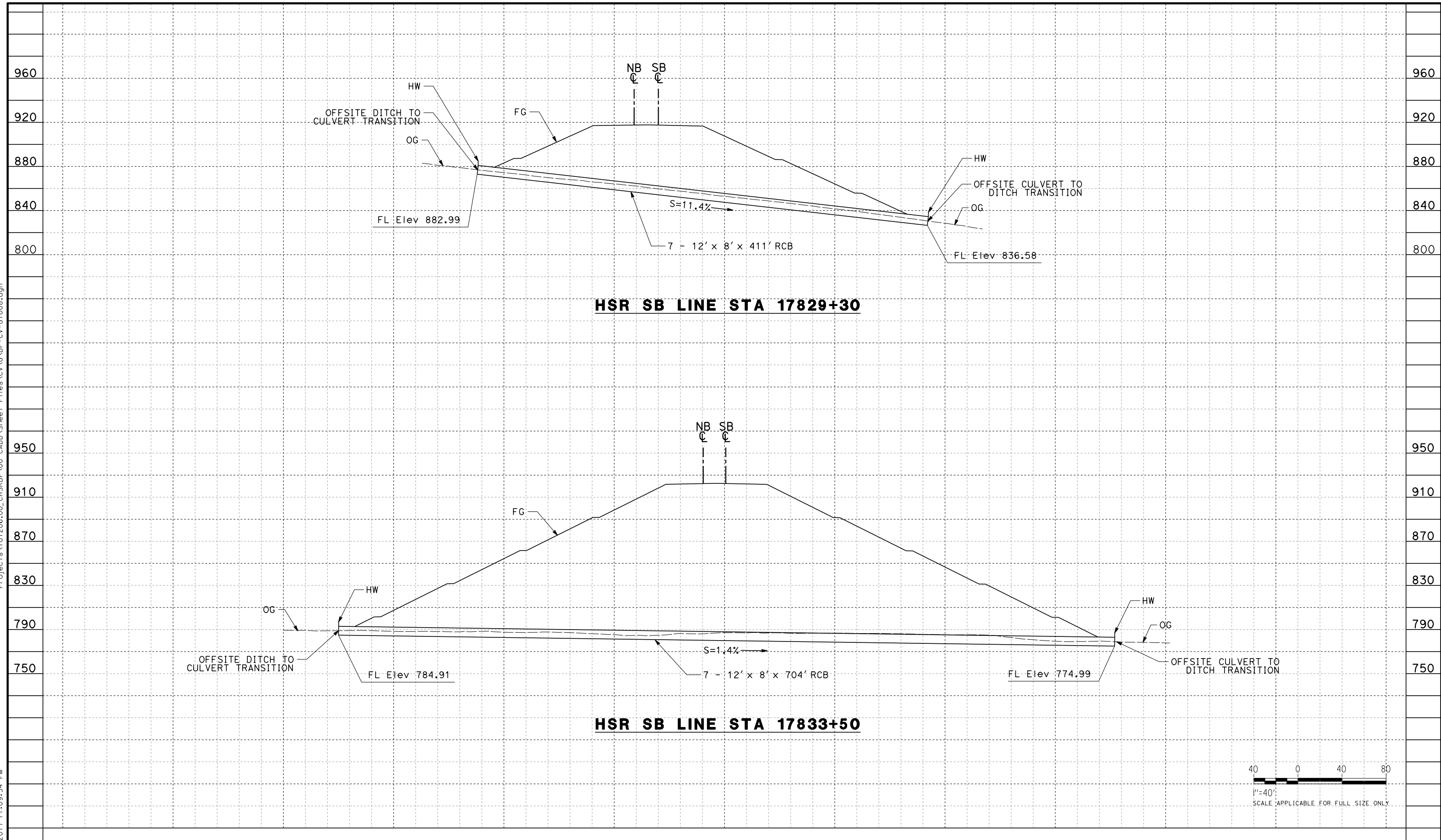
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
 GRADING AND DRAINAGE
 STA. 17798, 17812
 PROFILE

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

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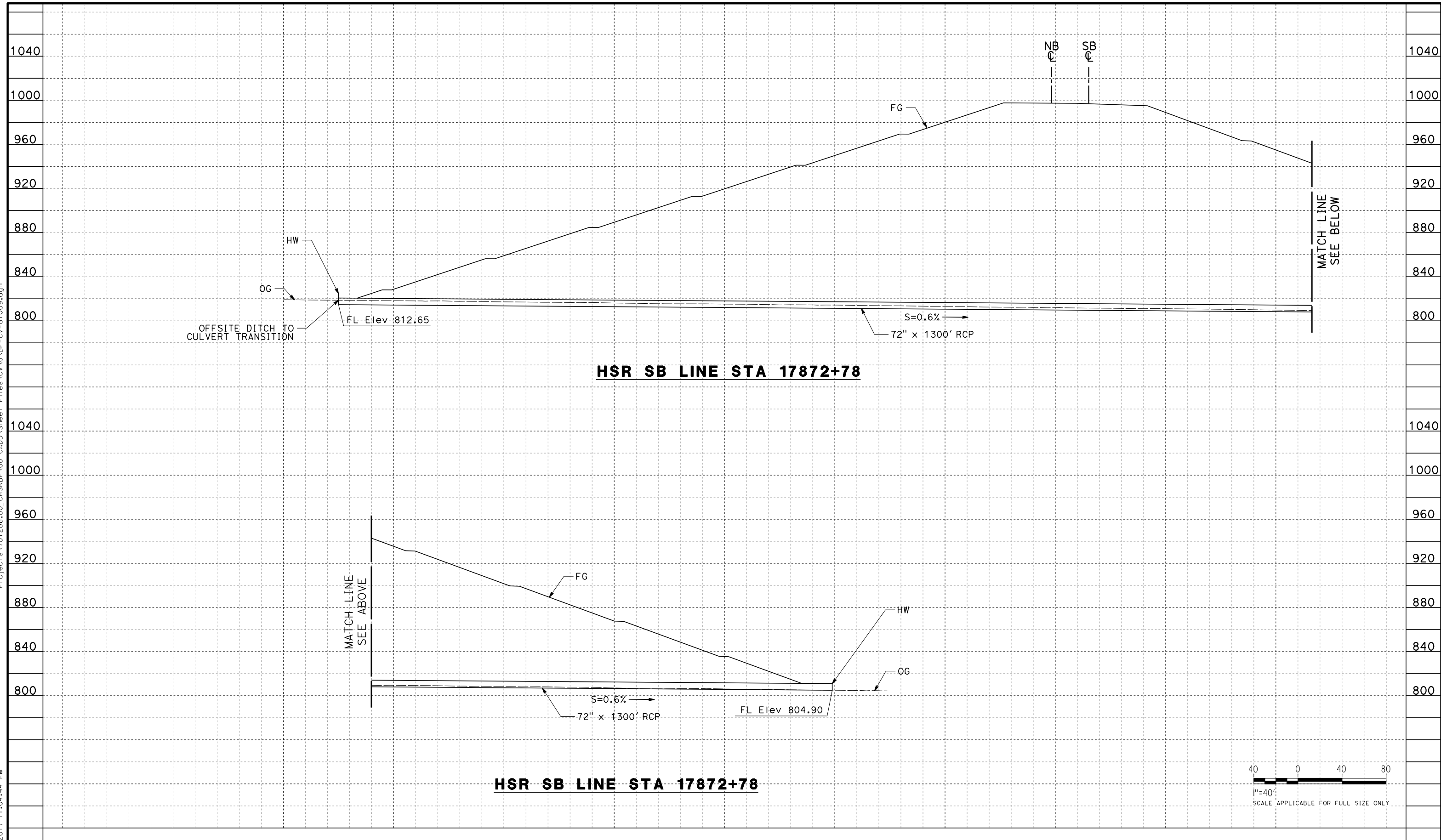
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

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

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

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1009.dgn

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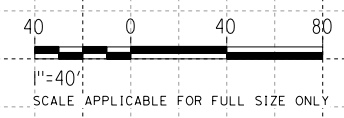
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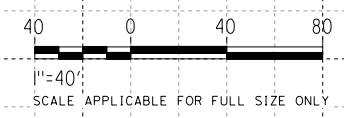
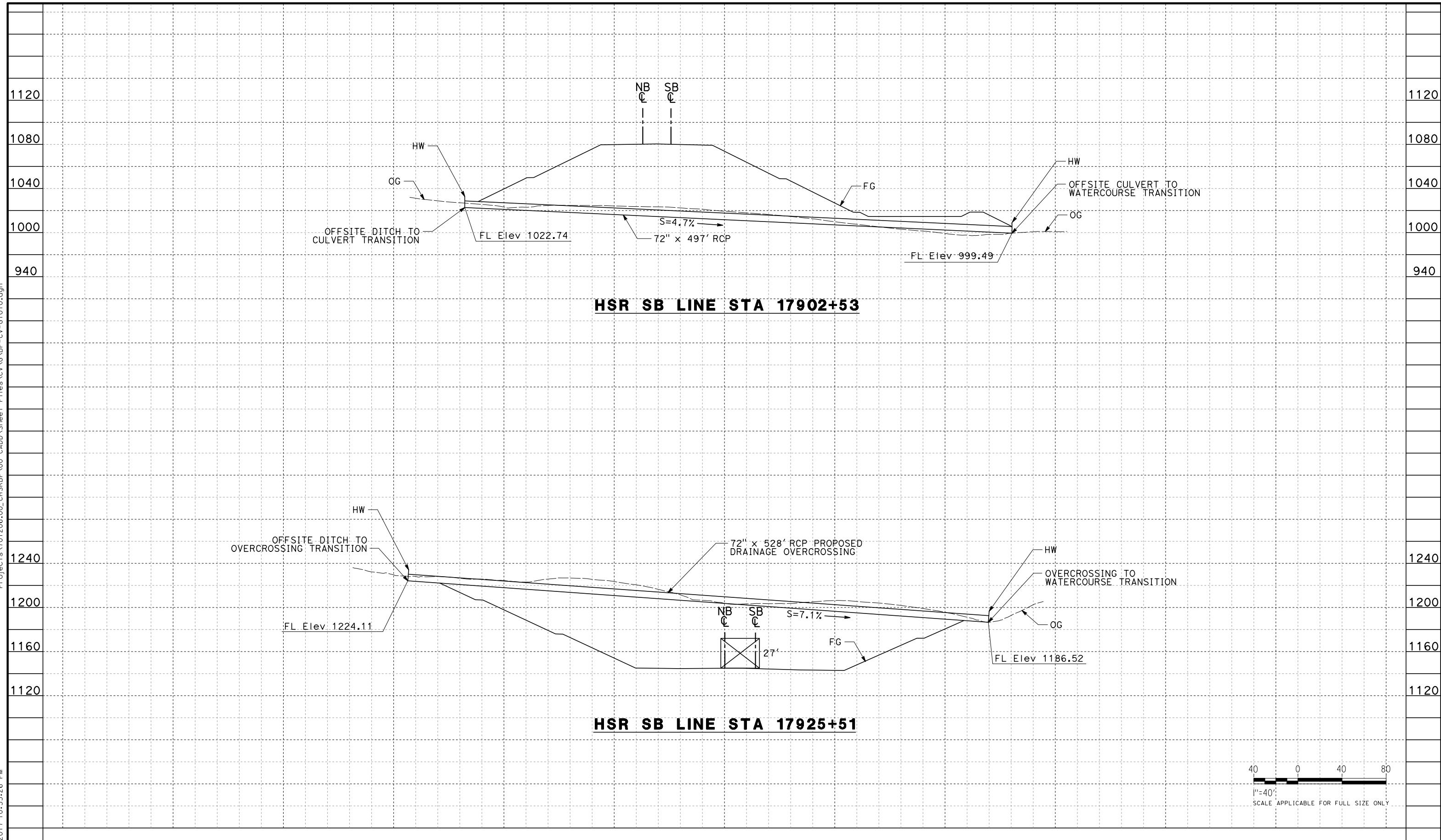
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BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17872
PROFILE

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



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

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S. SMITH
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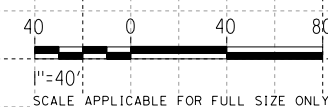
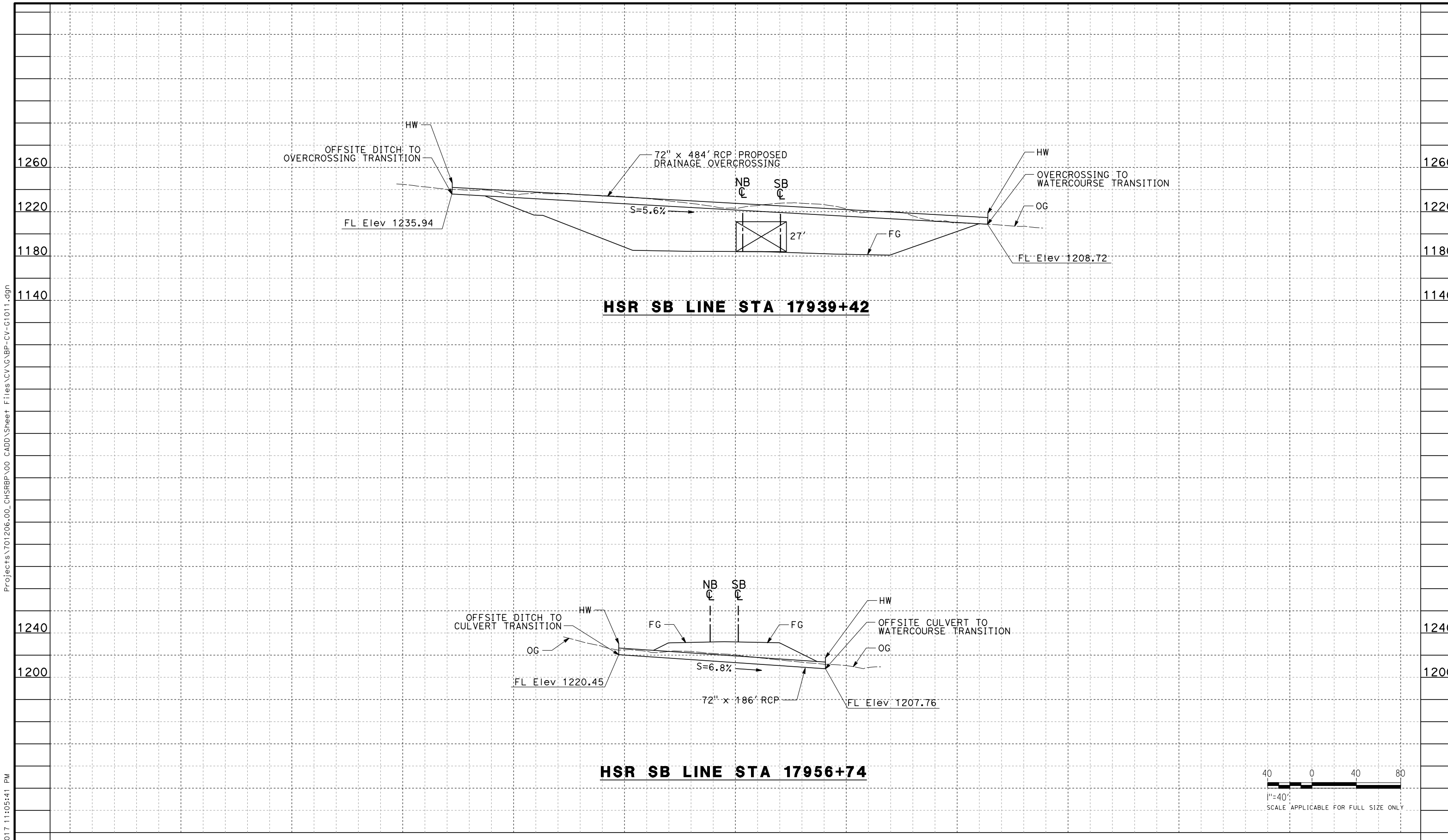
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
GRADING AND DRAINAGE
STA. 17902, 17925
PROFILE

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

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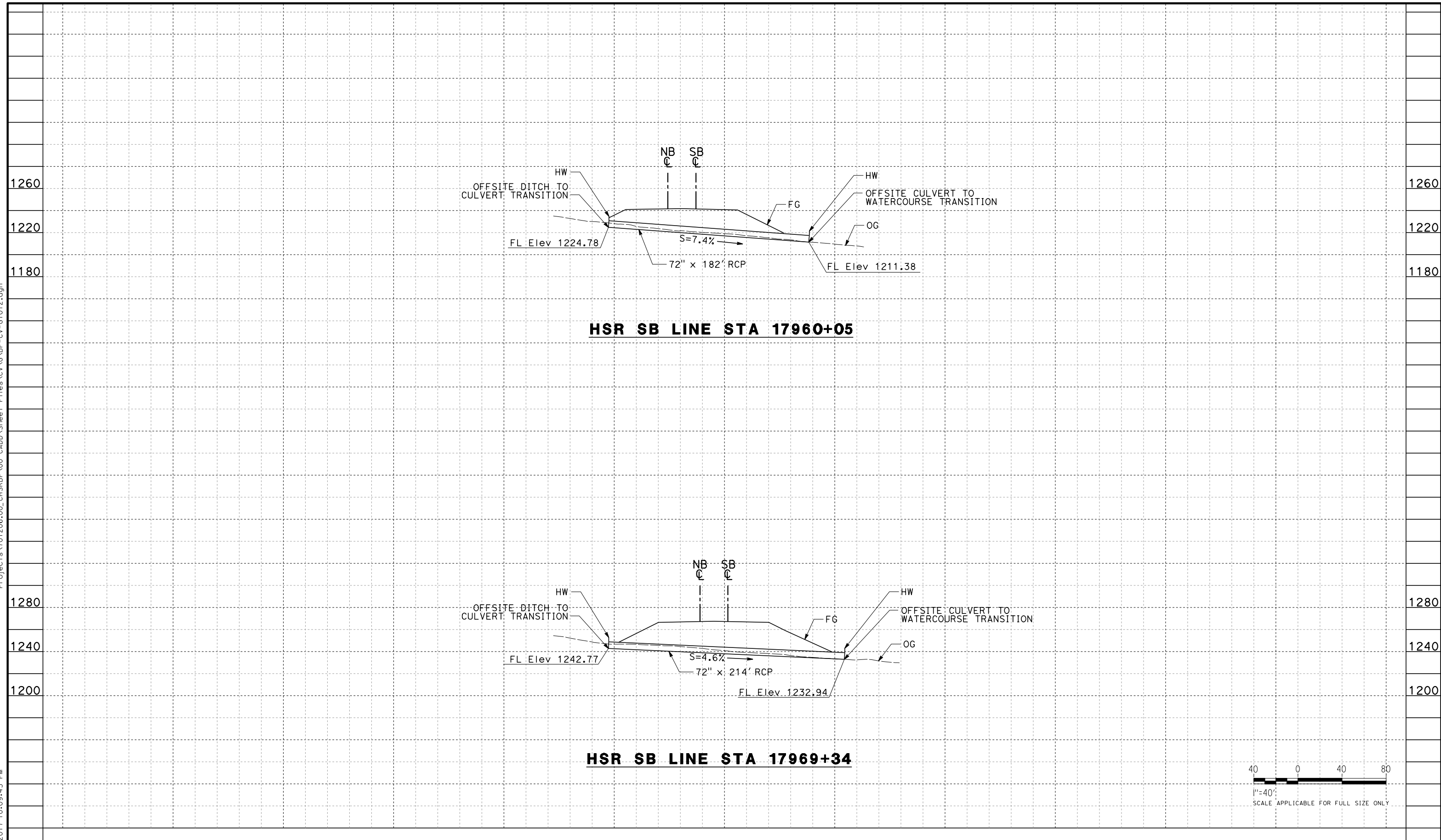
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 17939, 17956
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1011
SCALE
AS SHOWN
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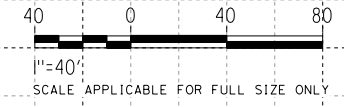
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HSR SB LINE STA 17960+05

HSR SB LINE STA 17969+34

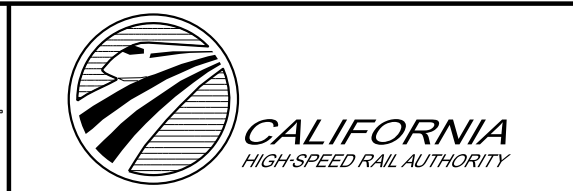


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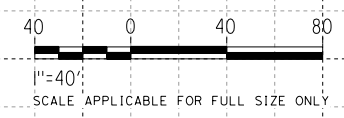
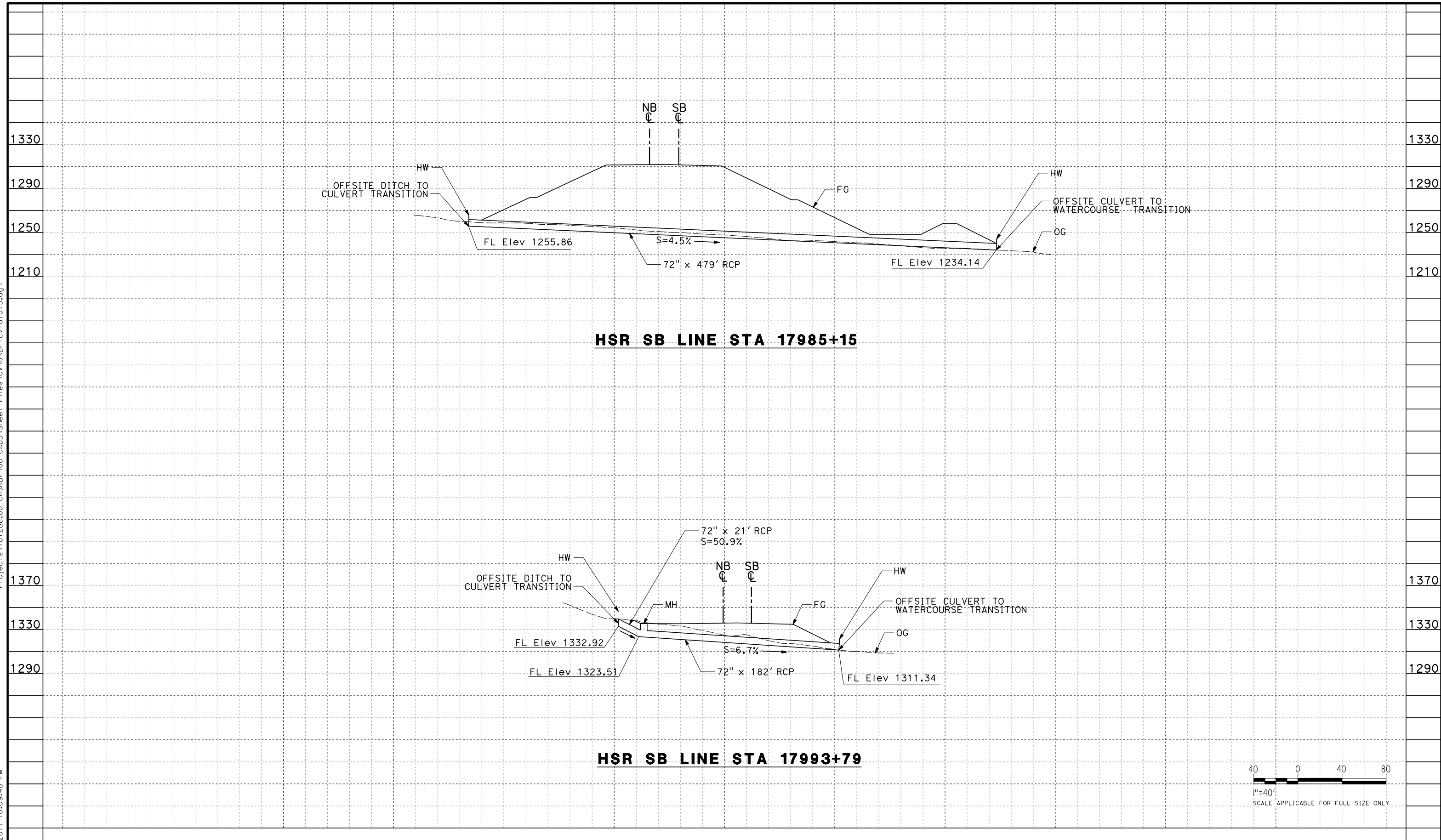
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 17960, 17969
PROFILE

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

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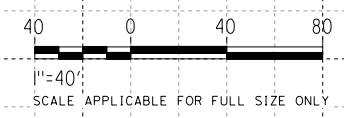
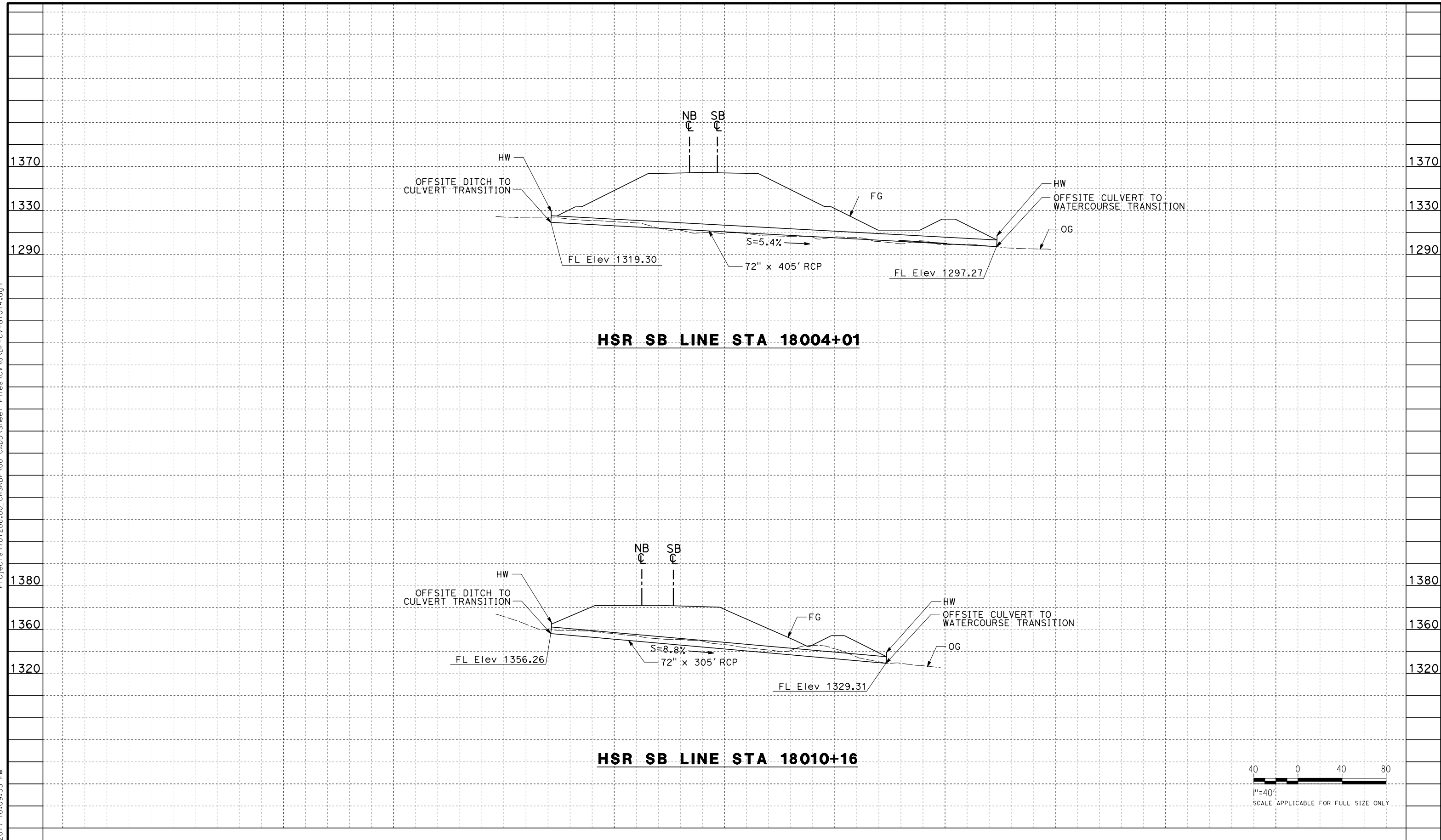
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 17985, 17993
PROFILE

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

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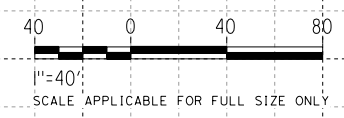
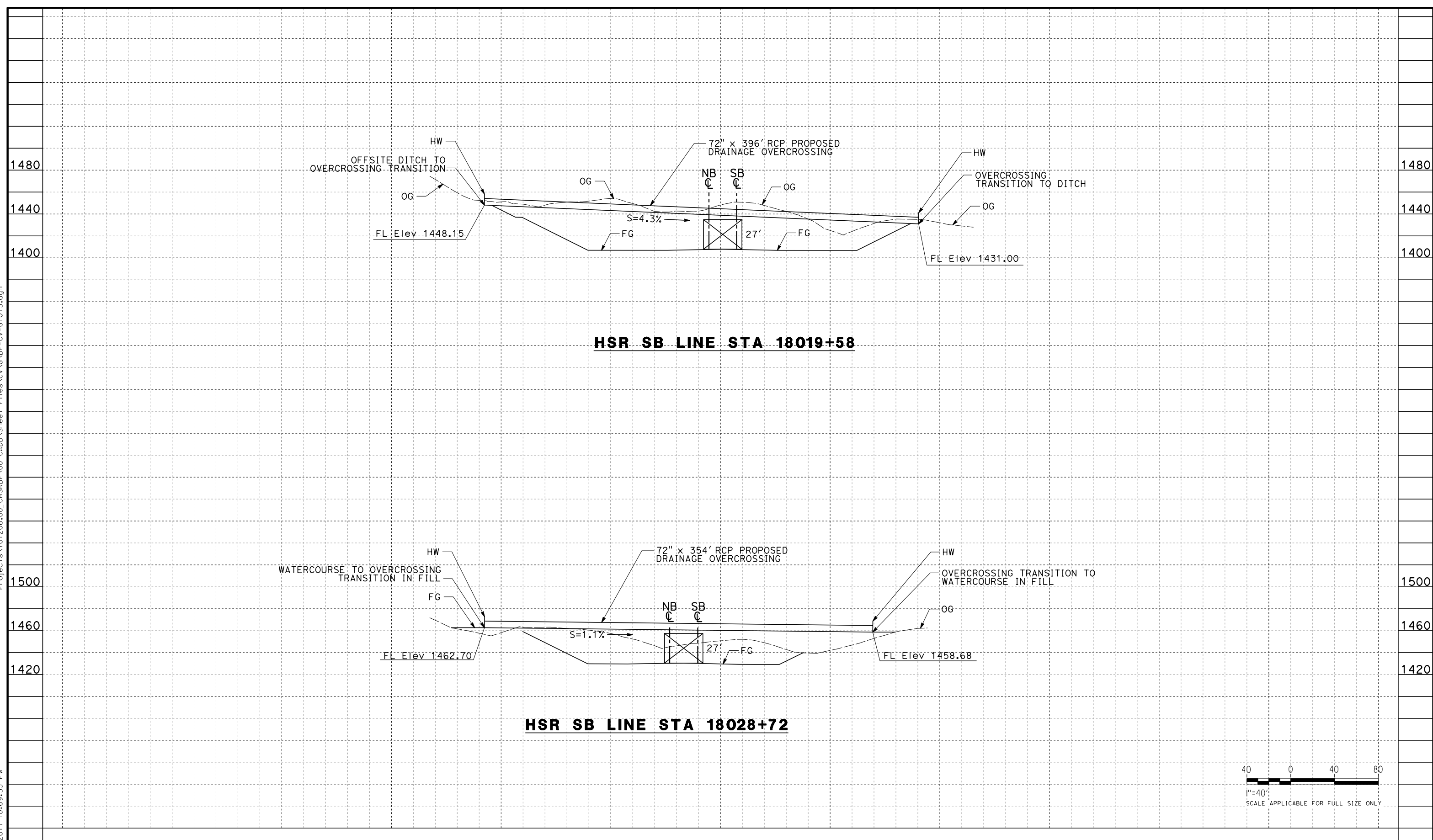
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18004, 18010
PROFILE

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

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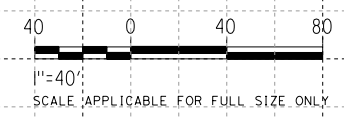
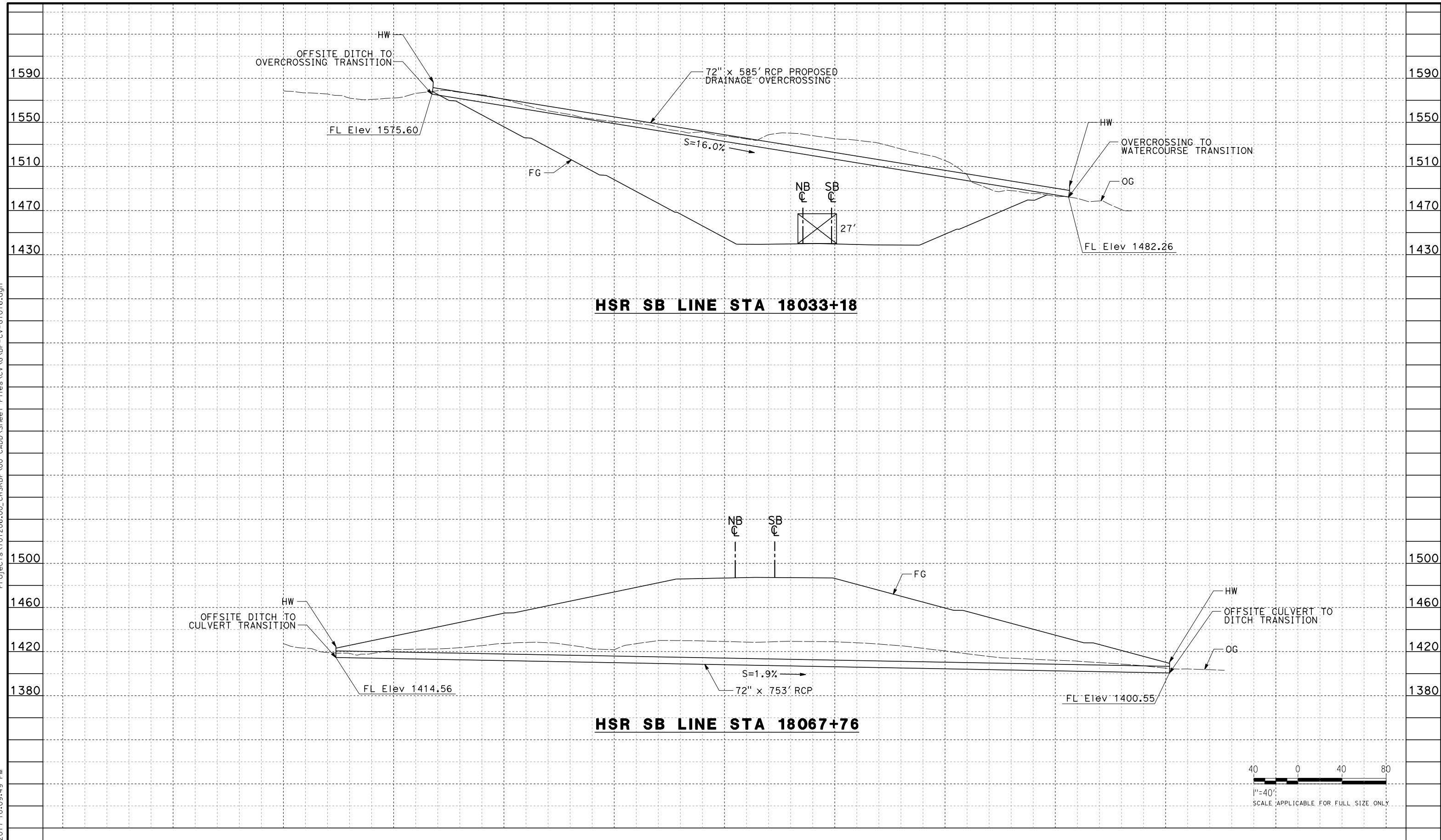
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18019, 18028
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
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SCALE
AS SHOWN
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18033, 18067
PROFILE

CONTRACT NO.
HSR13-44

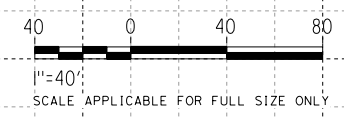
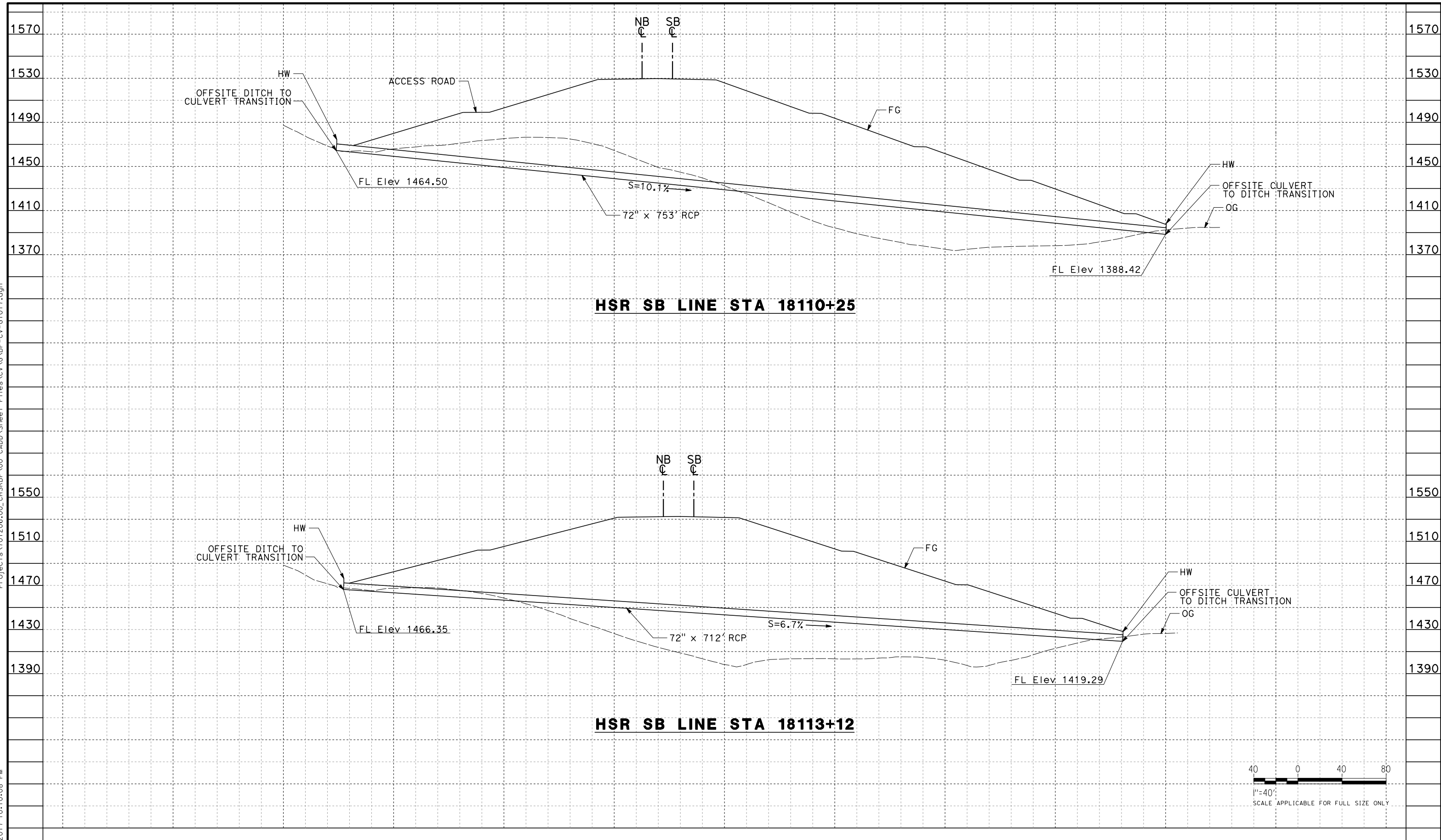
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

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

CONTRACT NO.
HSR13-44

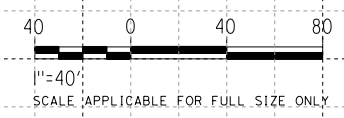
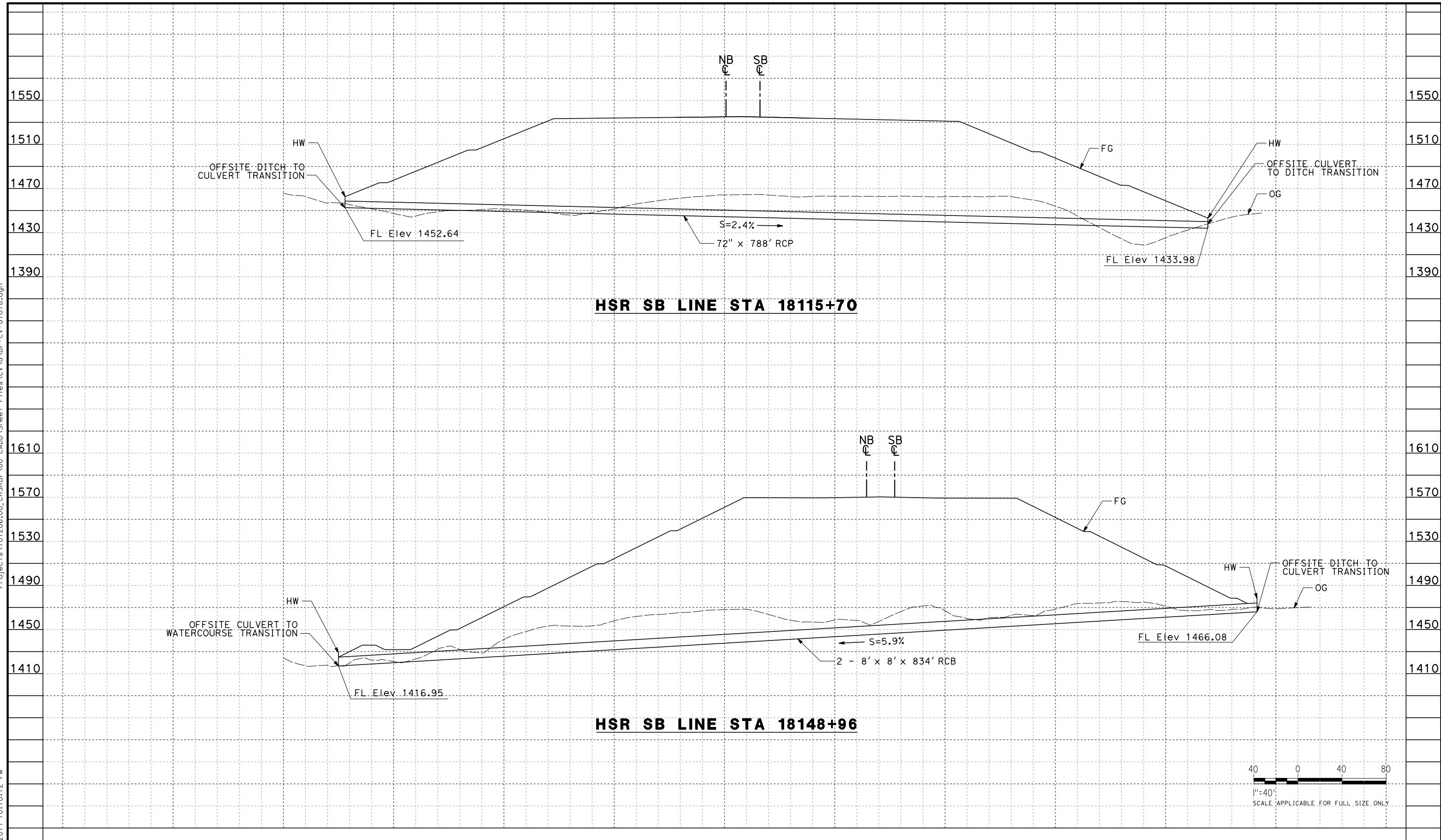
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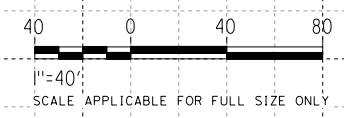
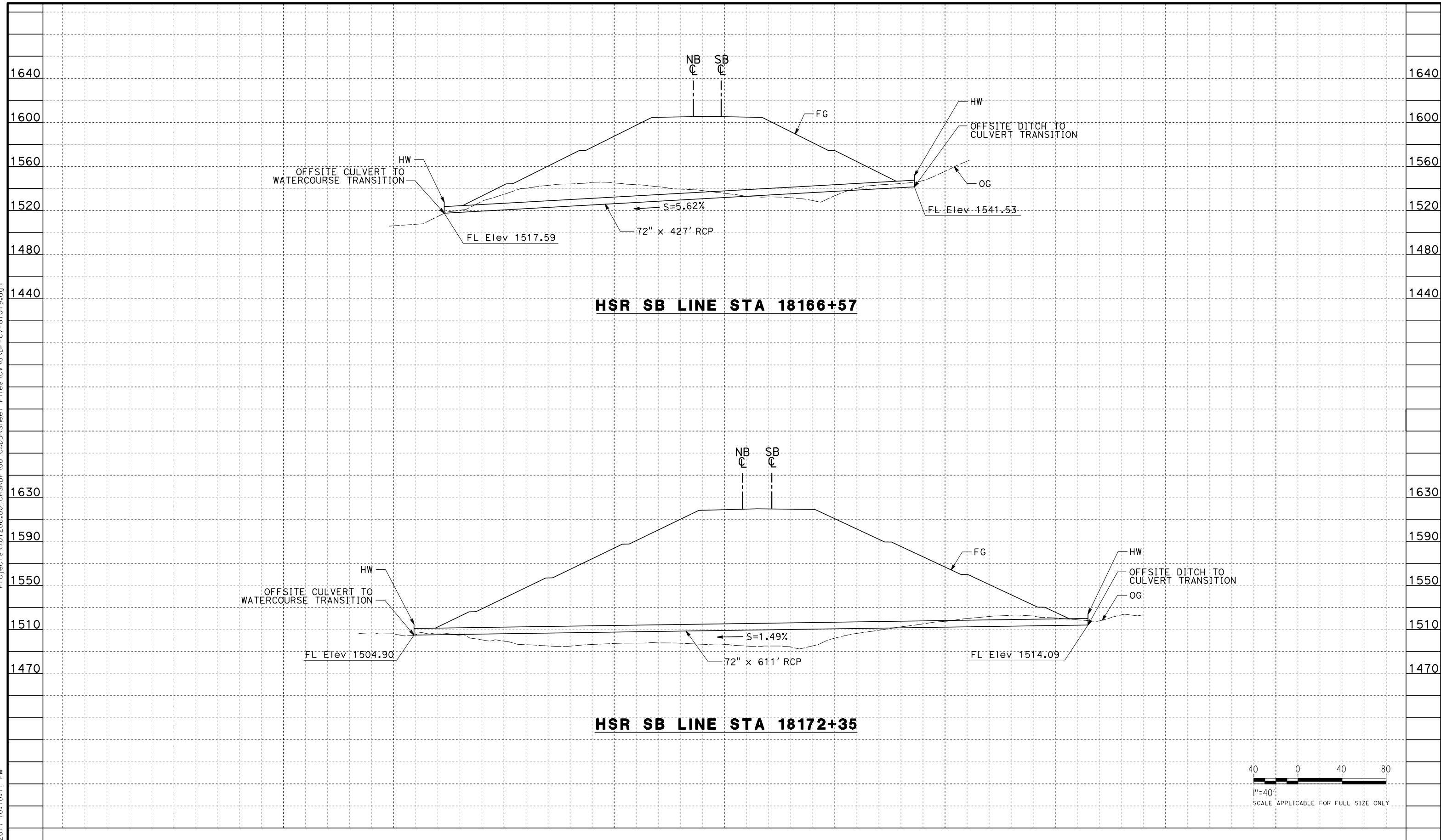
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18115, 18148
PROFILE

CONTRACT NO.
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SCALE
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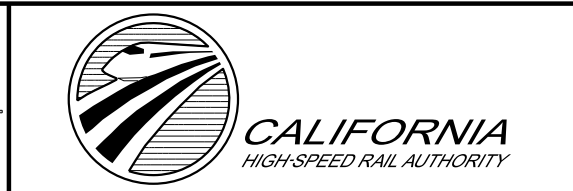
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S. SMITH

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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18166, 18172
PROFILE

CONTRACT NO.
HSR13-44

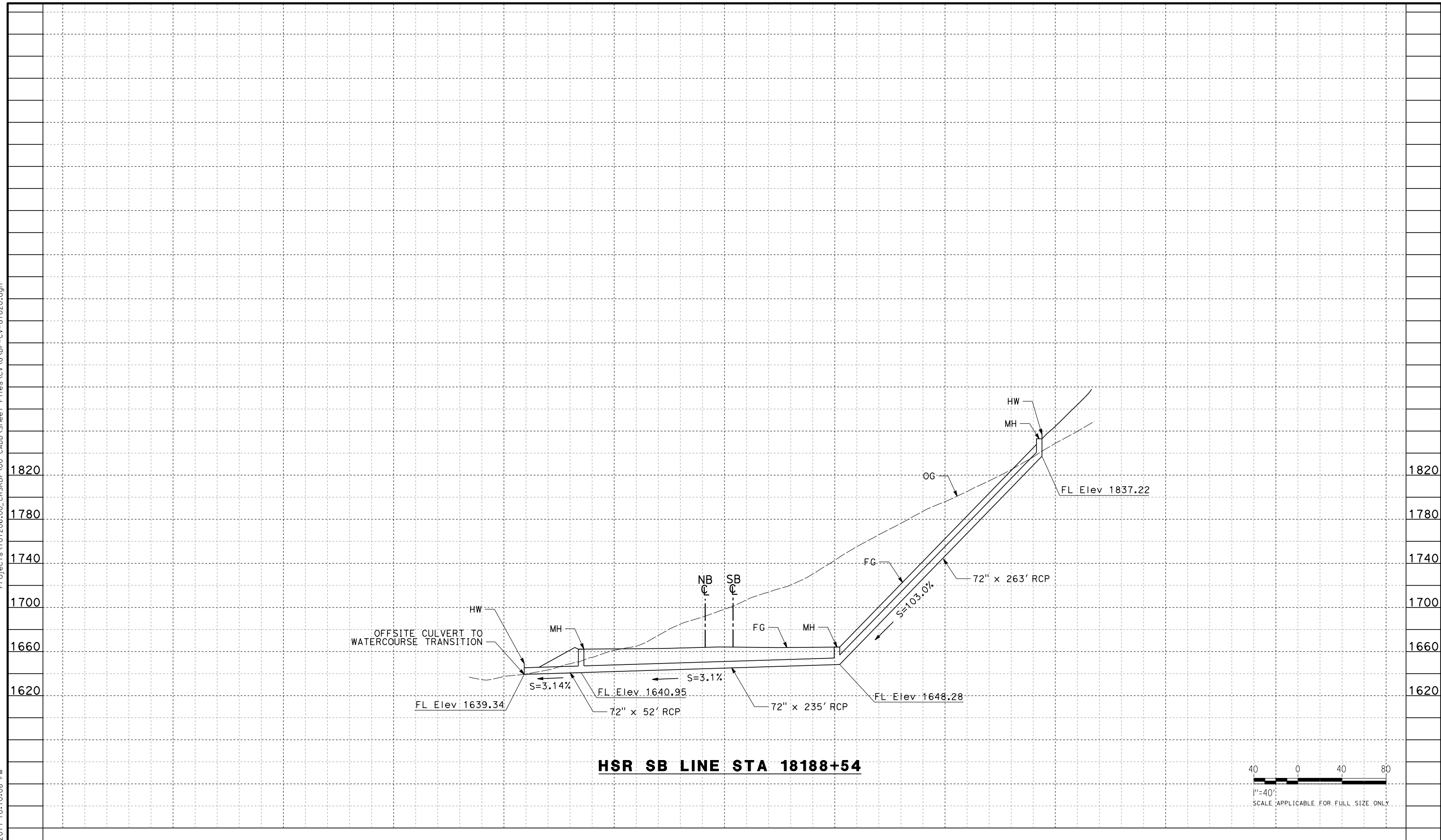
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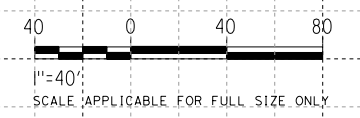
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HSR SB LINE STA 18188+54



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18188
PROFILE

CONTRACT NO.
HSR13-44

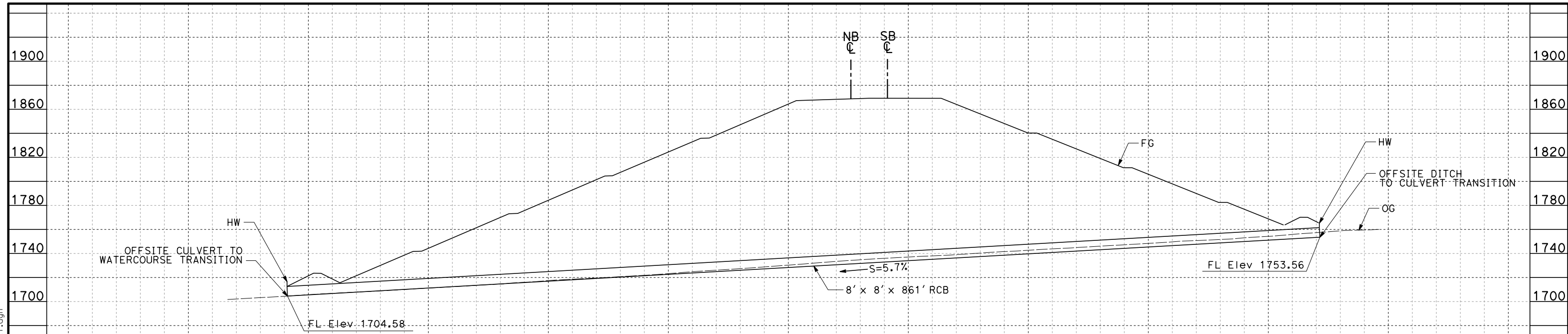
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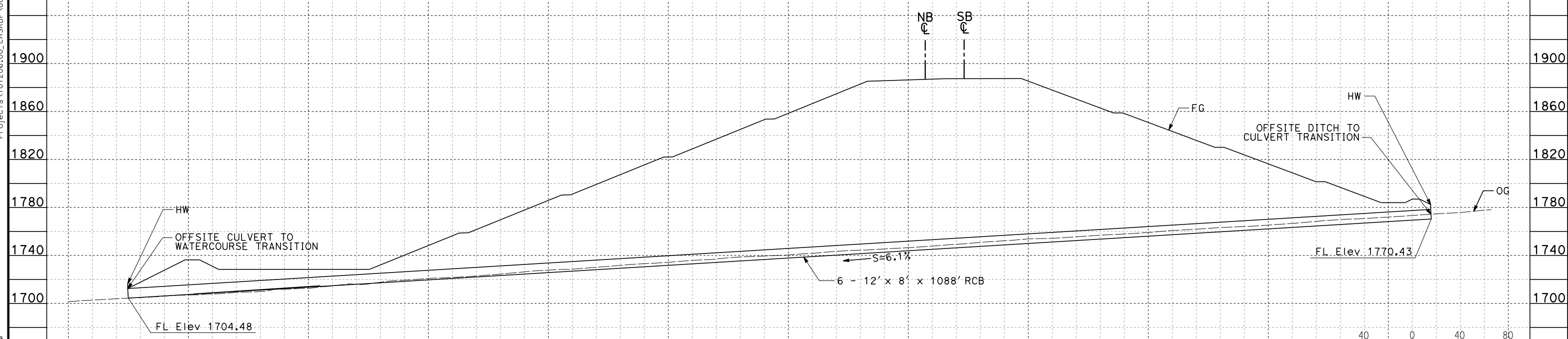
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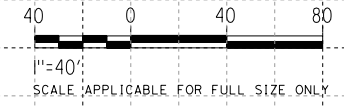
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HSR SB LINE STA 18261+85



HSR SB LINE STA 18268+36



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18261, 18268
PROFILE

CONTRACT NO.
HSR13-44

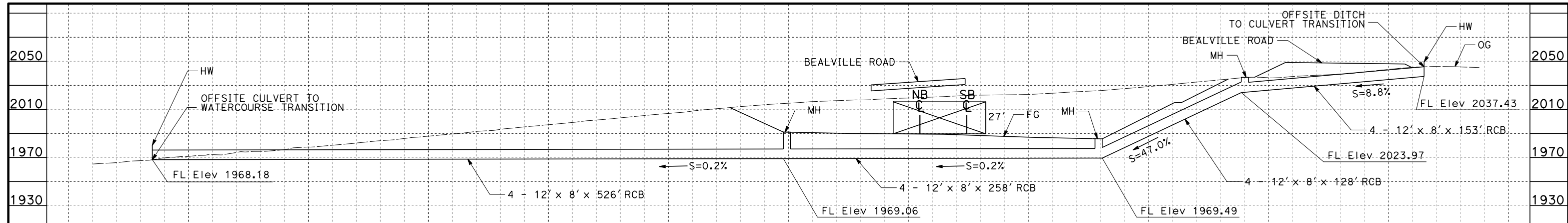
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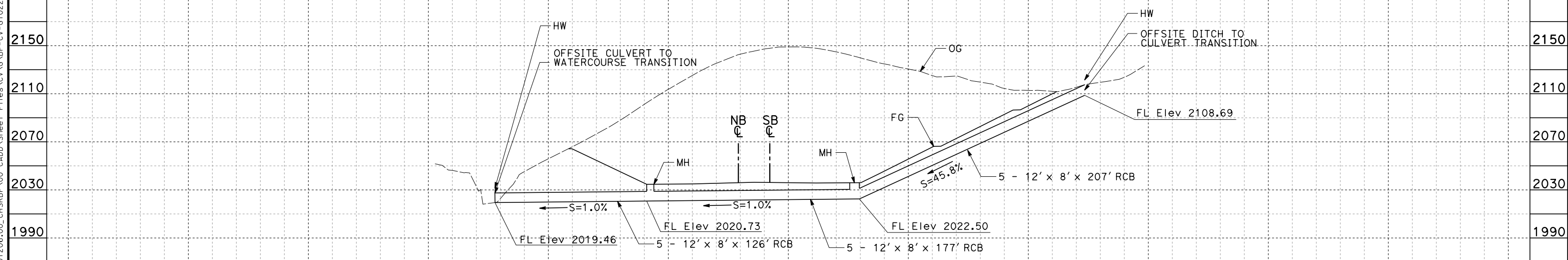
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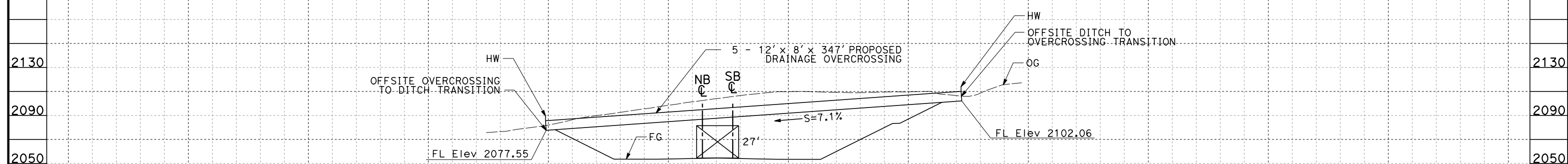
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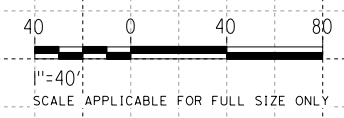
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HSR SB LINE STA 18321+52



HSR SB LINE STA 18327+95

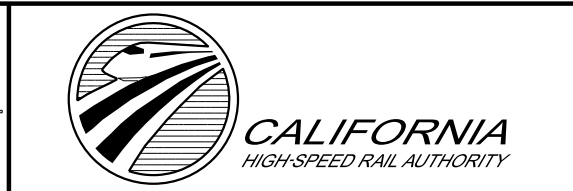


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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18304, 18321, 18327
PROFILE

CONTRACT NO.
HSR13-44

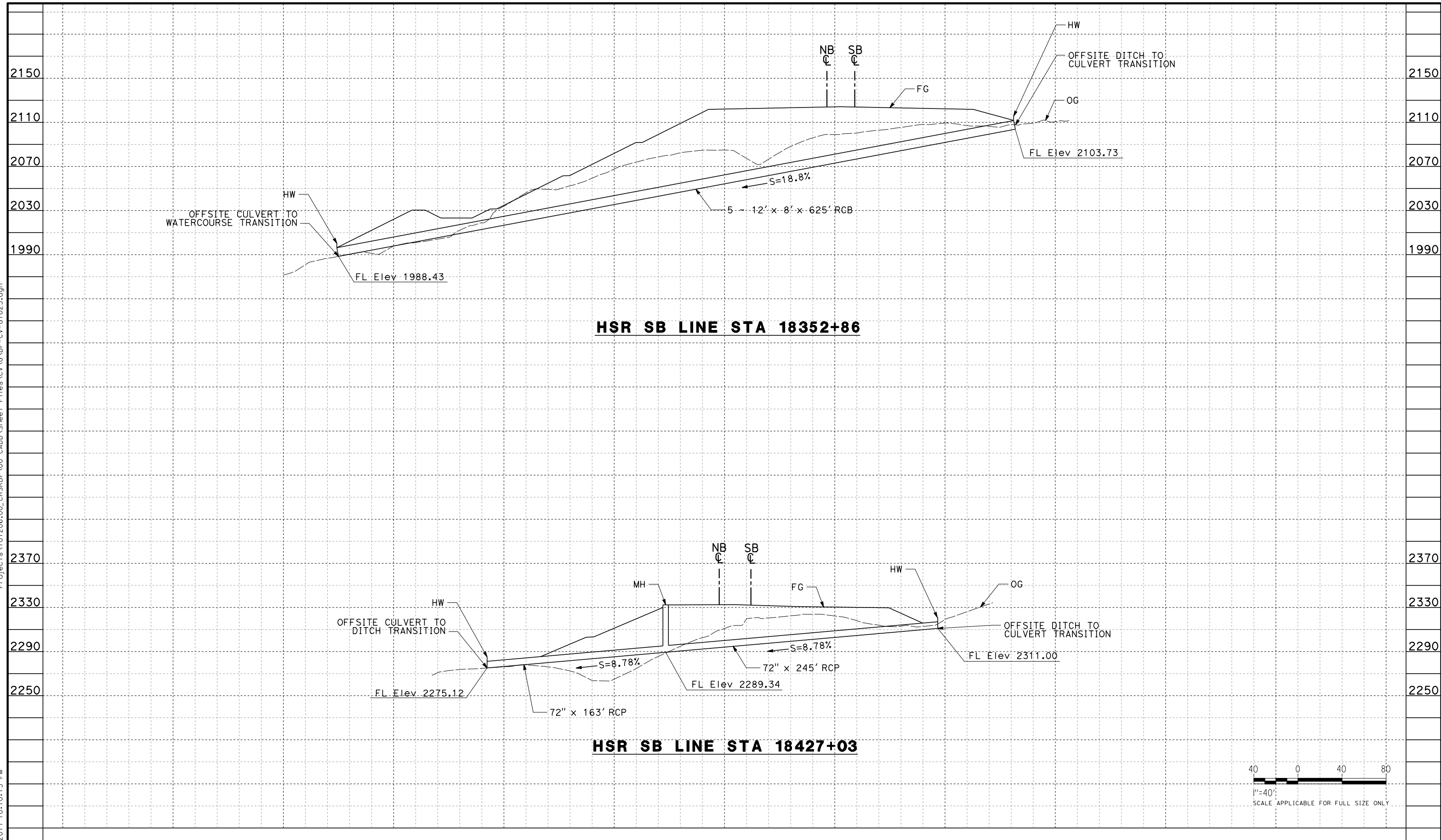
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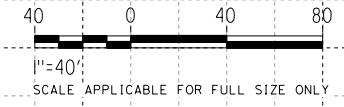
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HSR SB LINE STA 18352+86

HSR SB LINE STA 18427+03



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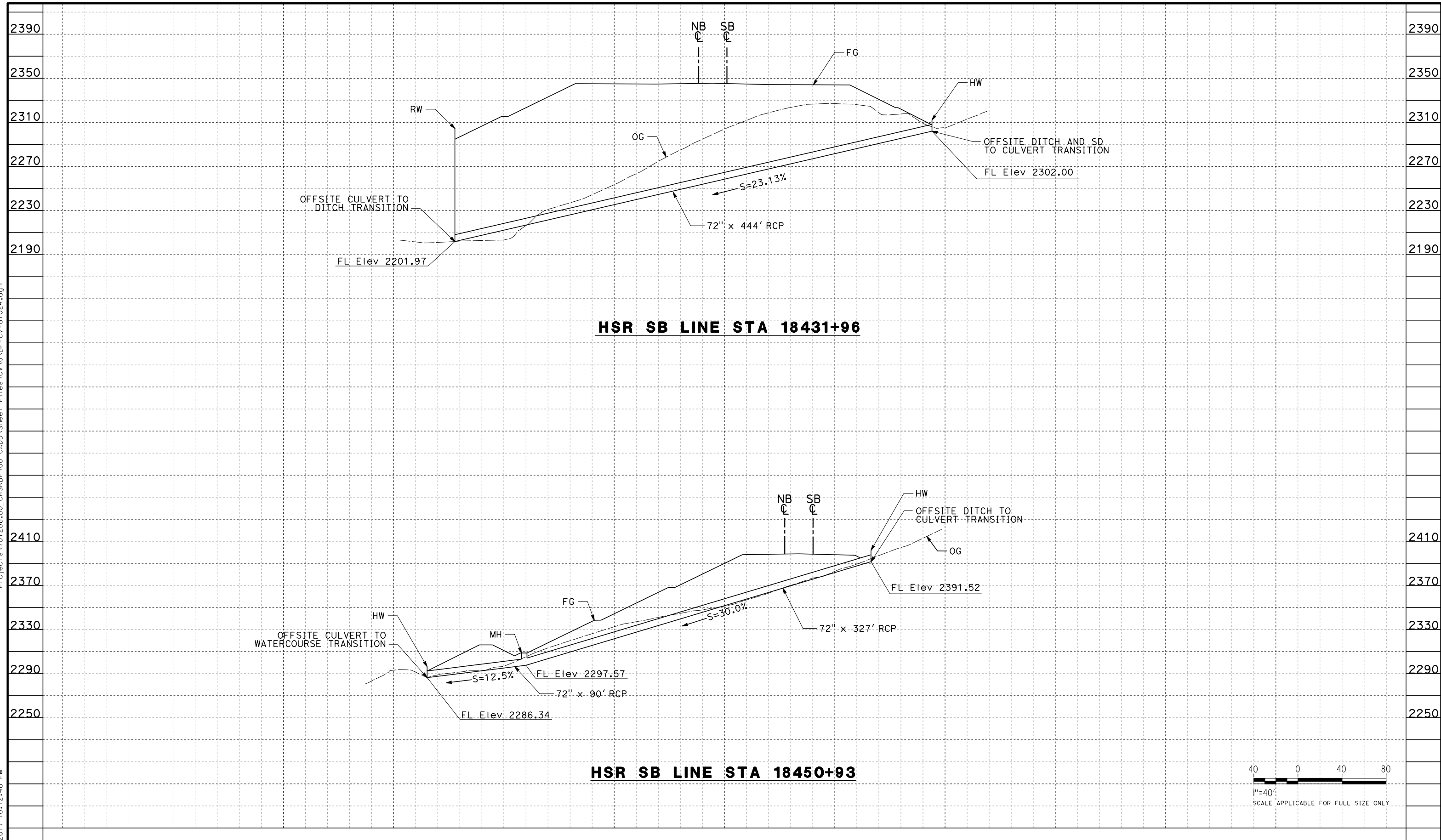
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18352, 18427
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1023
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SHEET NO.

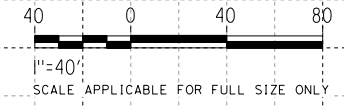
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HSR SB LINE STA 18431+96

HSR SB LINE STA 18450+93

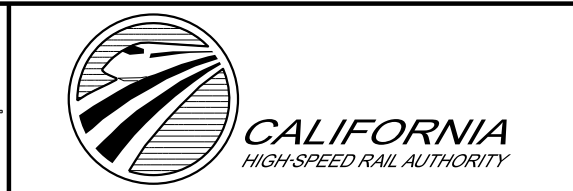


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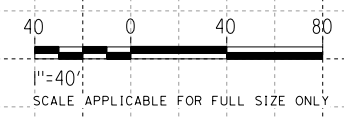
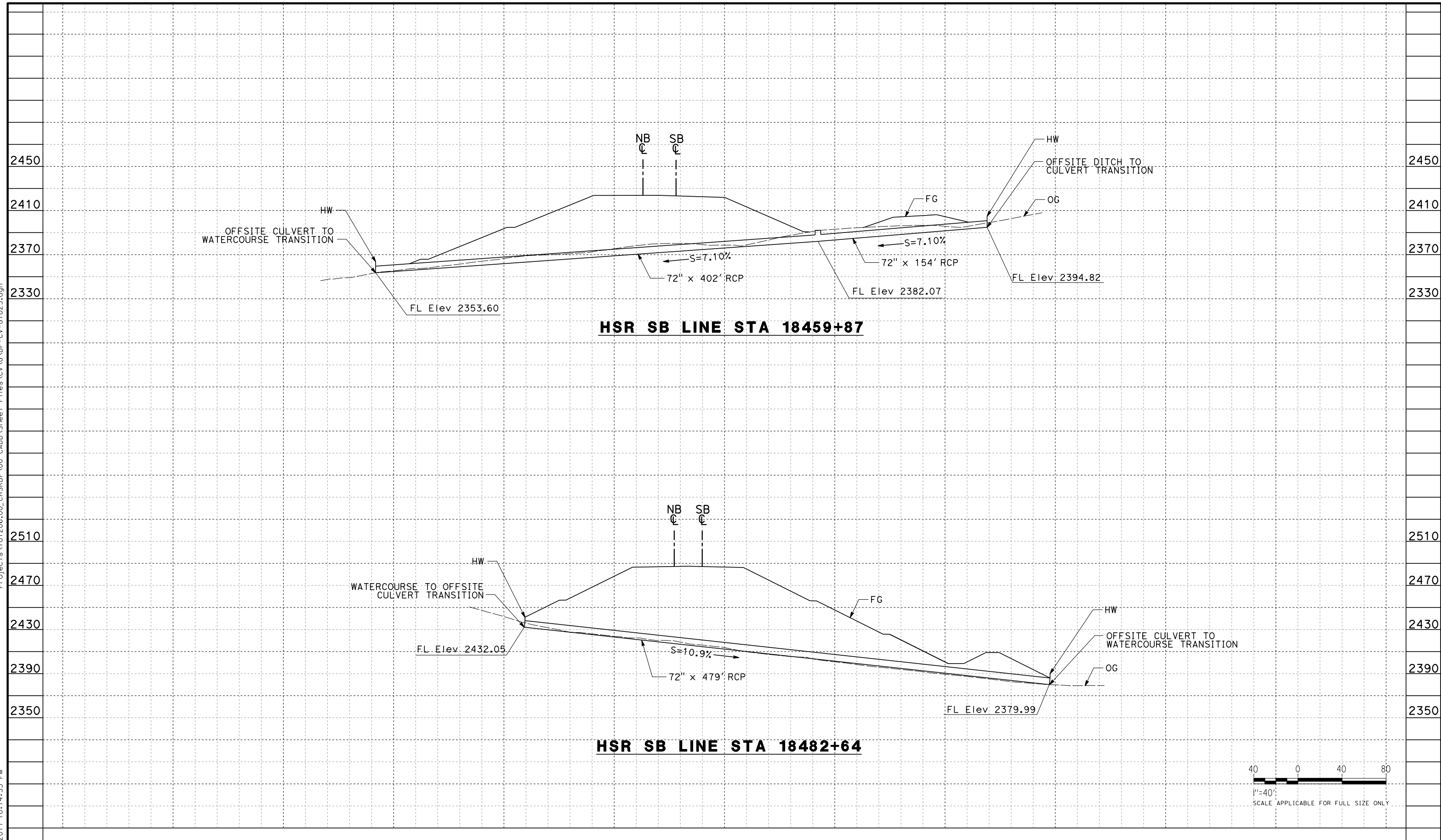
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18431, 18450
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1024
SCALE
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SHEET NO.

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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18459, 18482
PROFILE

CONTRACT NO.
HSR13-44

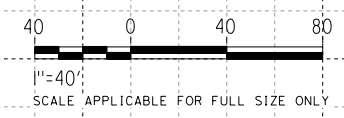
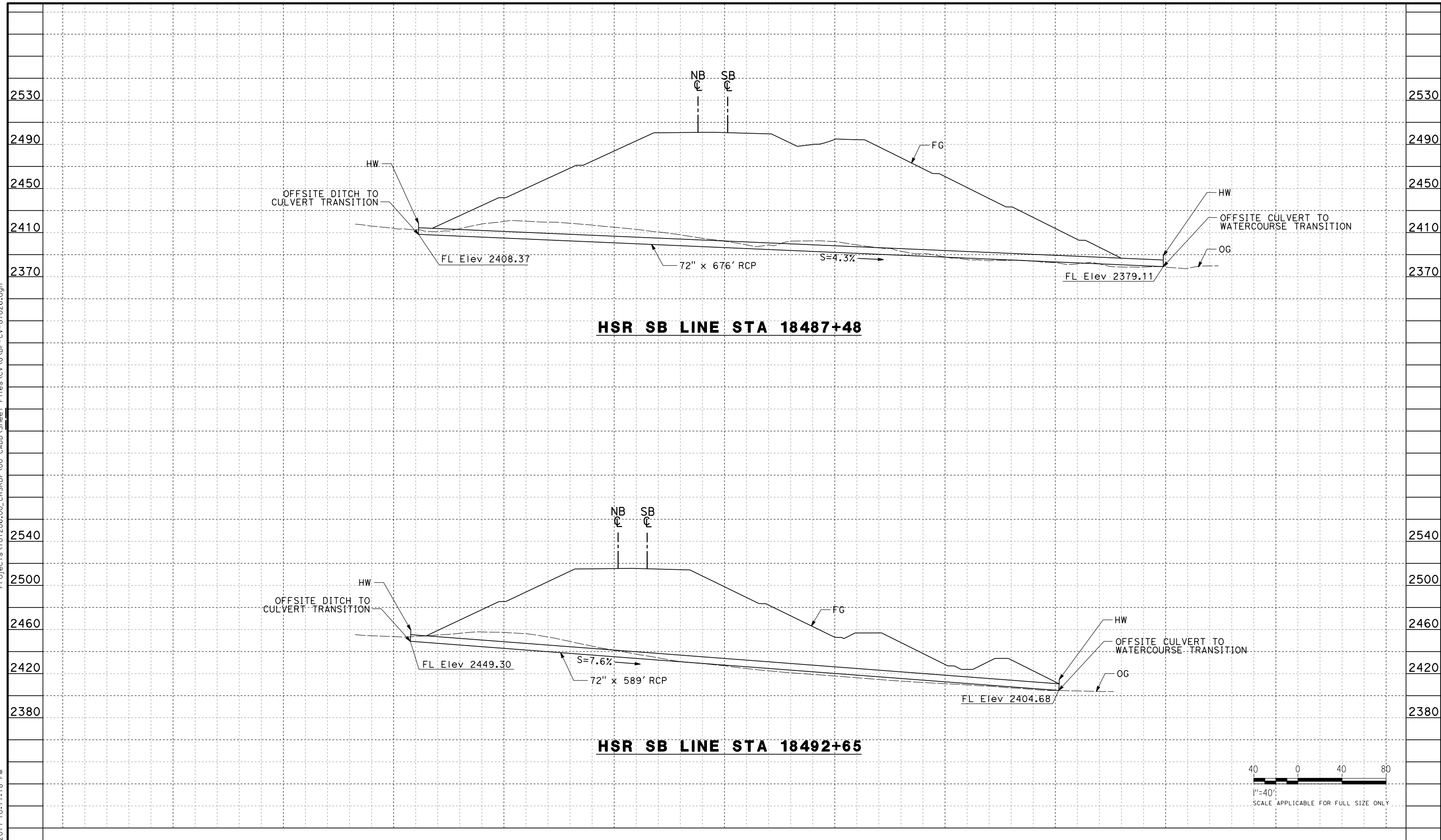
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CONSTRUCTION**



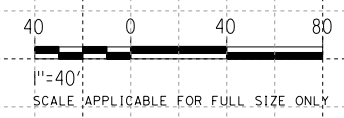
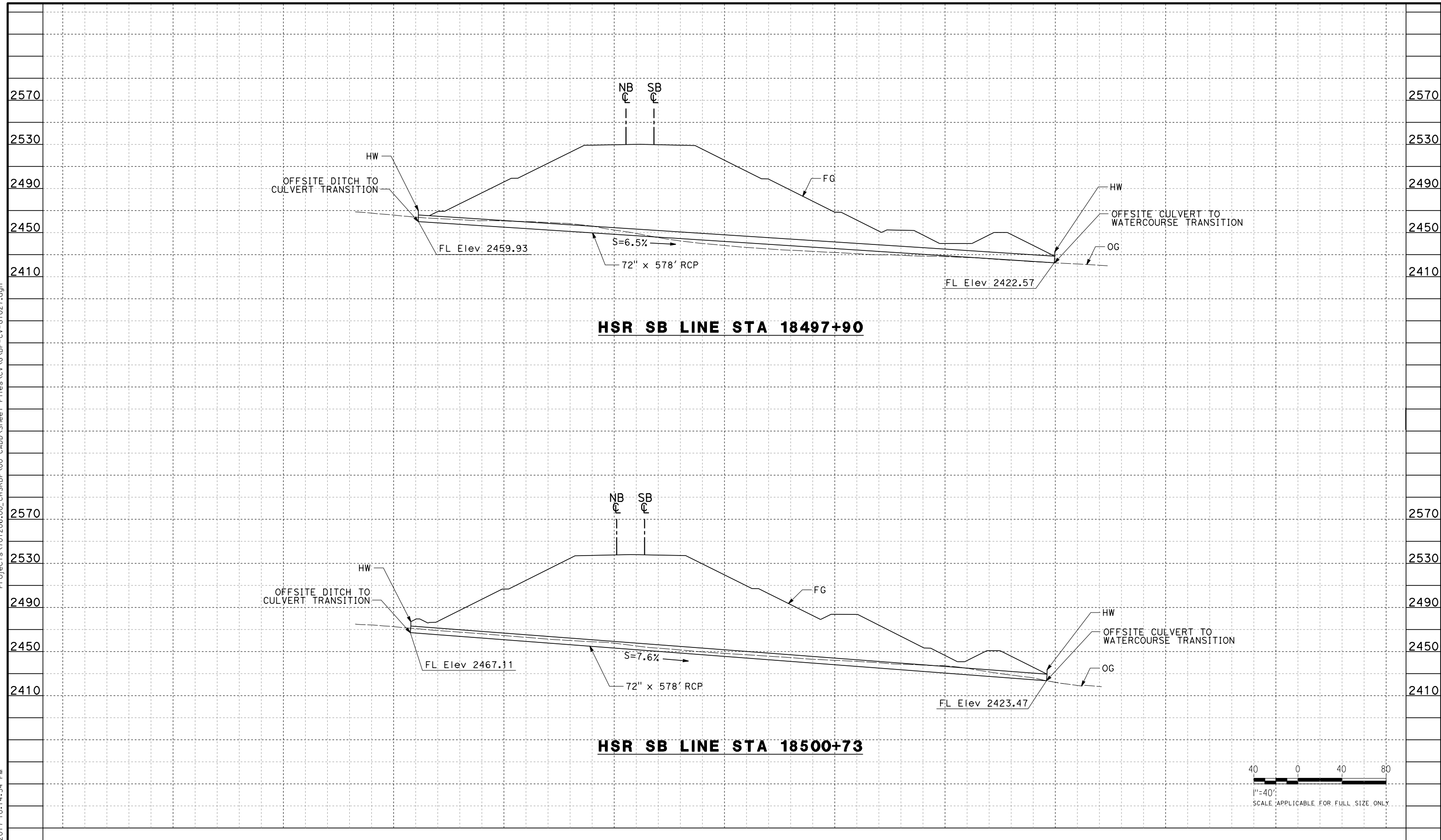
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18487, 18492
PROFILE

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

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

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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18497, 18500
PROFILE

CONTRACT NO.
HSR13-44

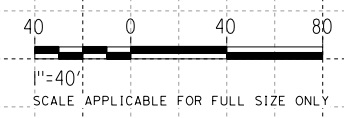
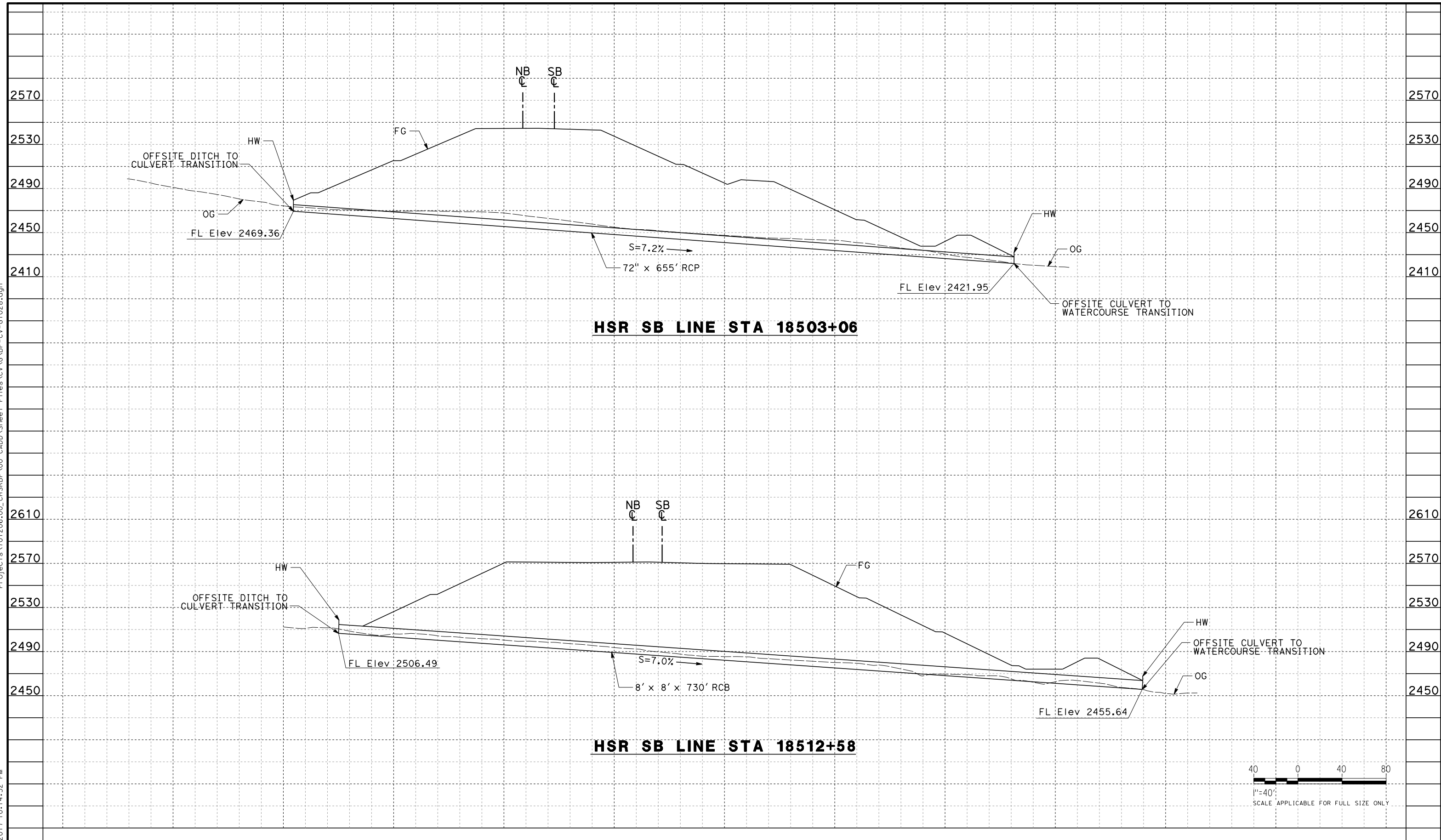
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SCALE
AS SHOWN

SHEET NO.

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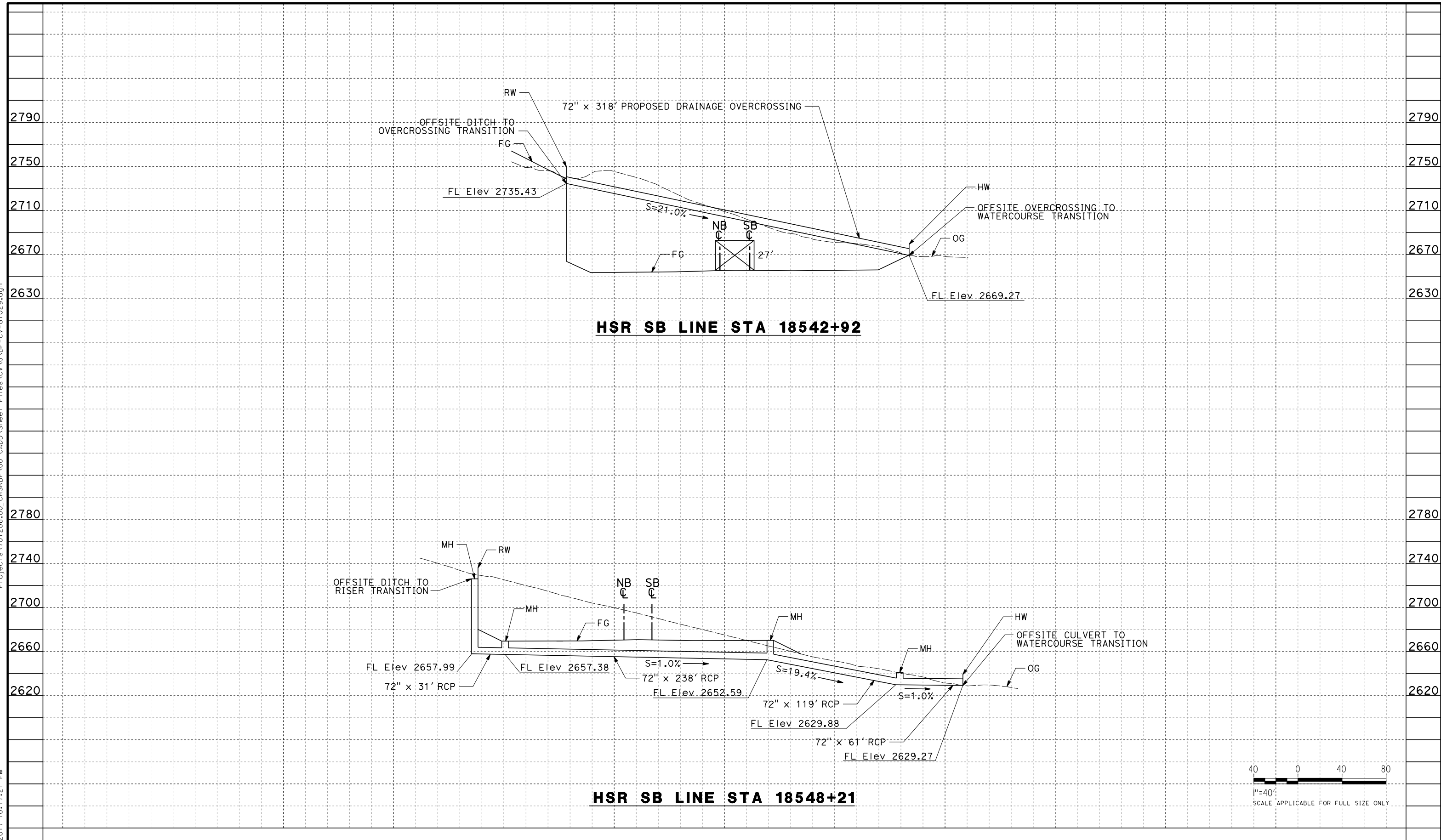
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18503, 18512
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1028
SCALE
AS SHOWN
SHEET NO.

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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18542, 18548
PROFILE

CONTRACT NO.
HSR13-44

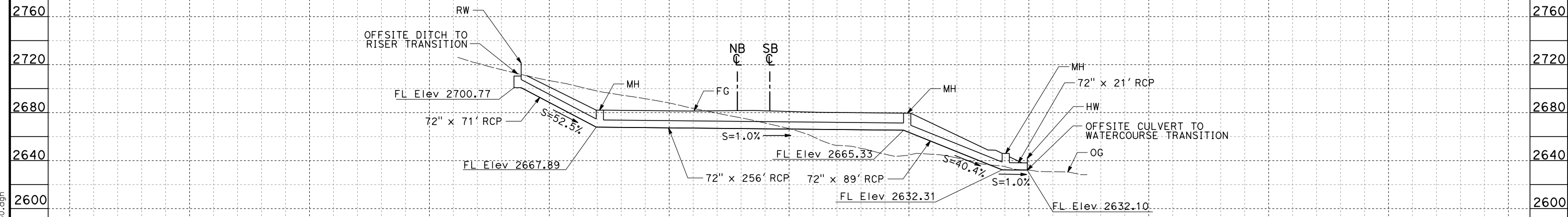
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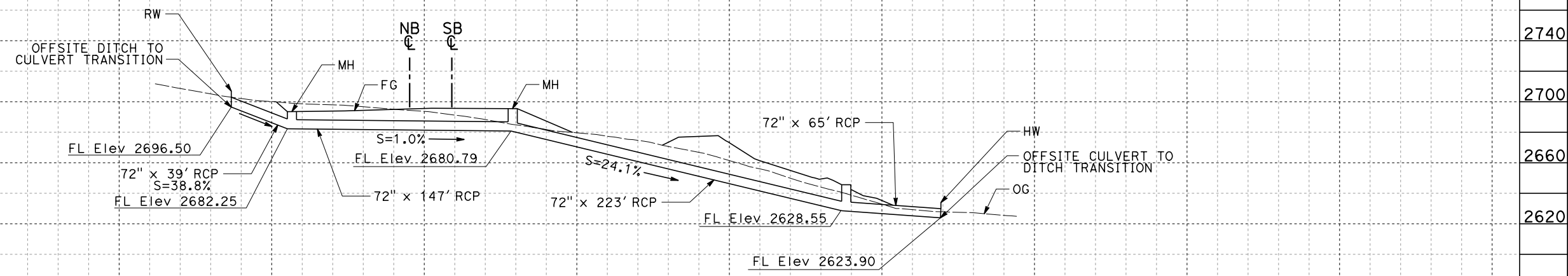
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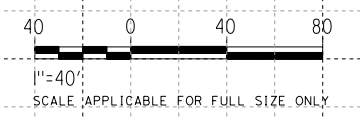
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HSR SB LINE STA 18552+10



HSR SB LINE STA 18557+18



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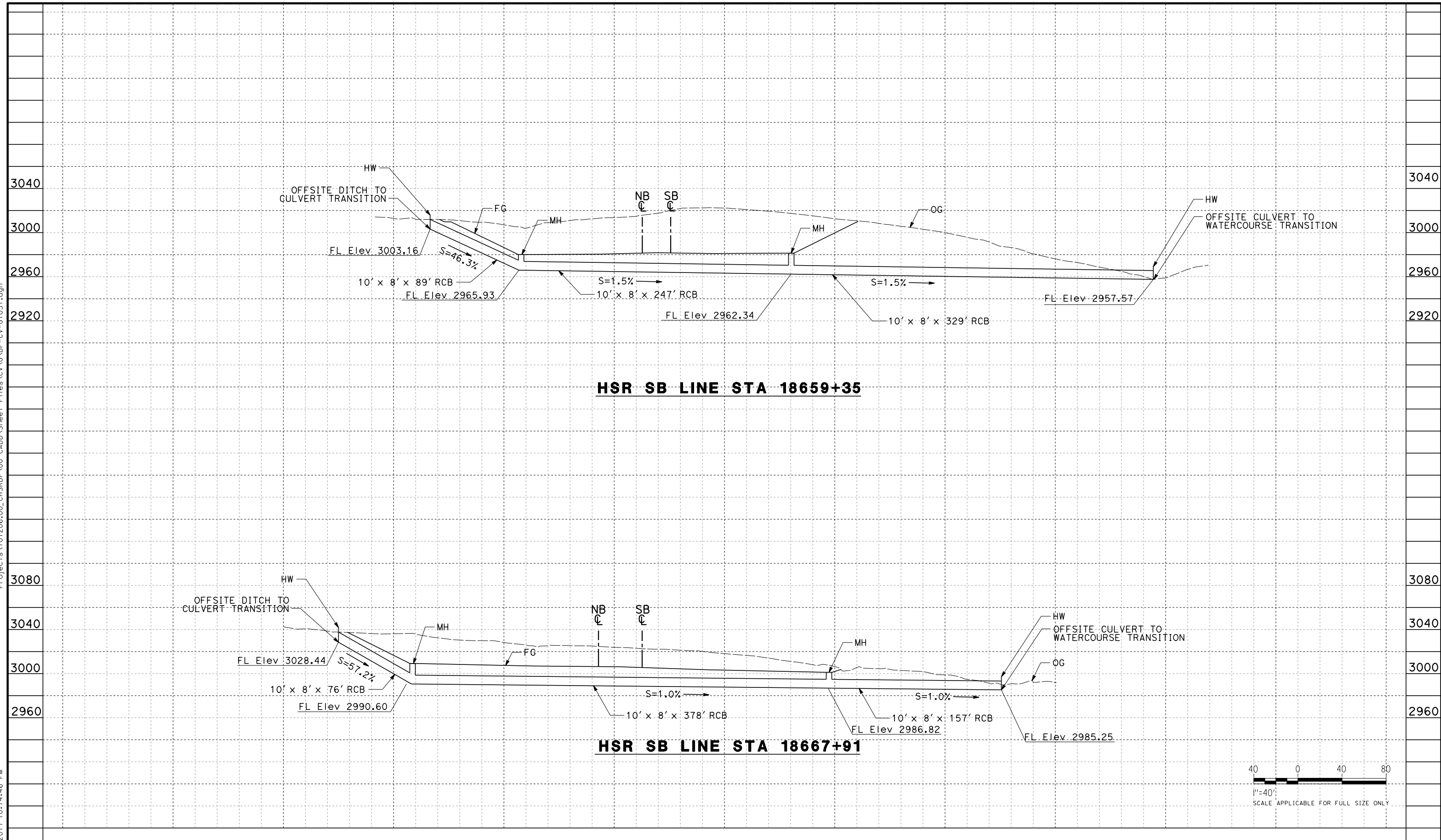
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18552, 18557
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1030
SCALE
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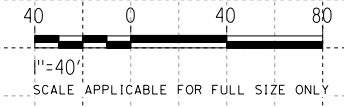
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HSR SB LINE STA 18659+35

HSR SB LINE STA 18667+91



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18659, 18667
PROFILE

CONTRACT NO.
HSR13-44

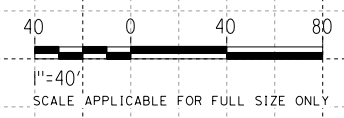
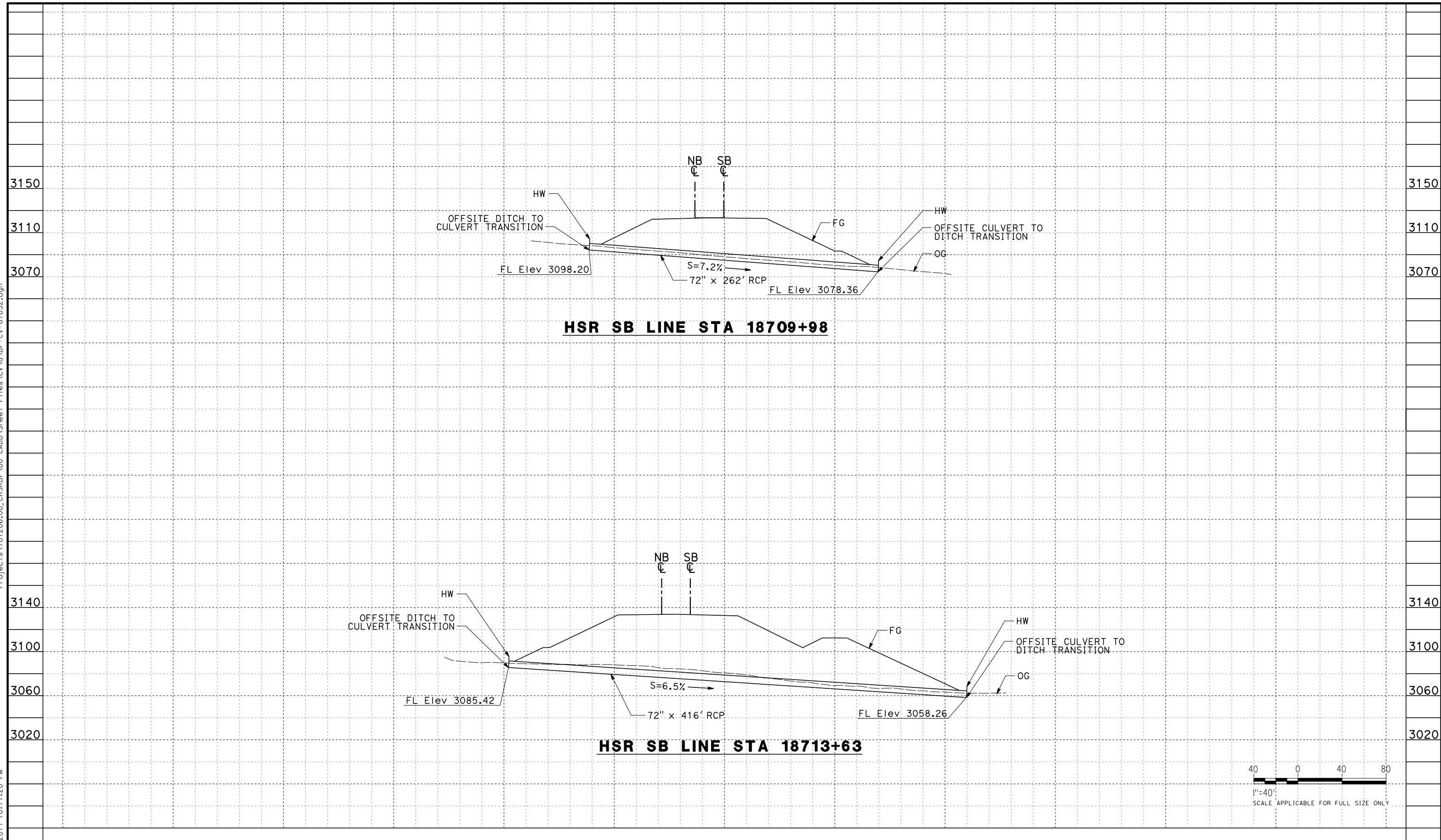
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SCALE
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SHEET NO.

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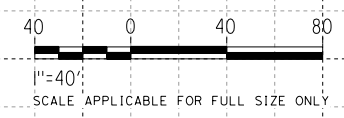
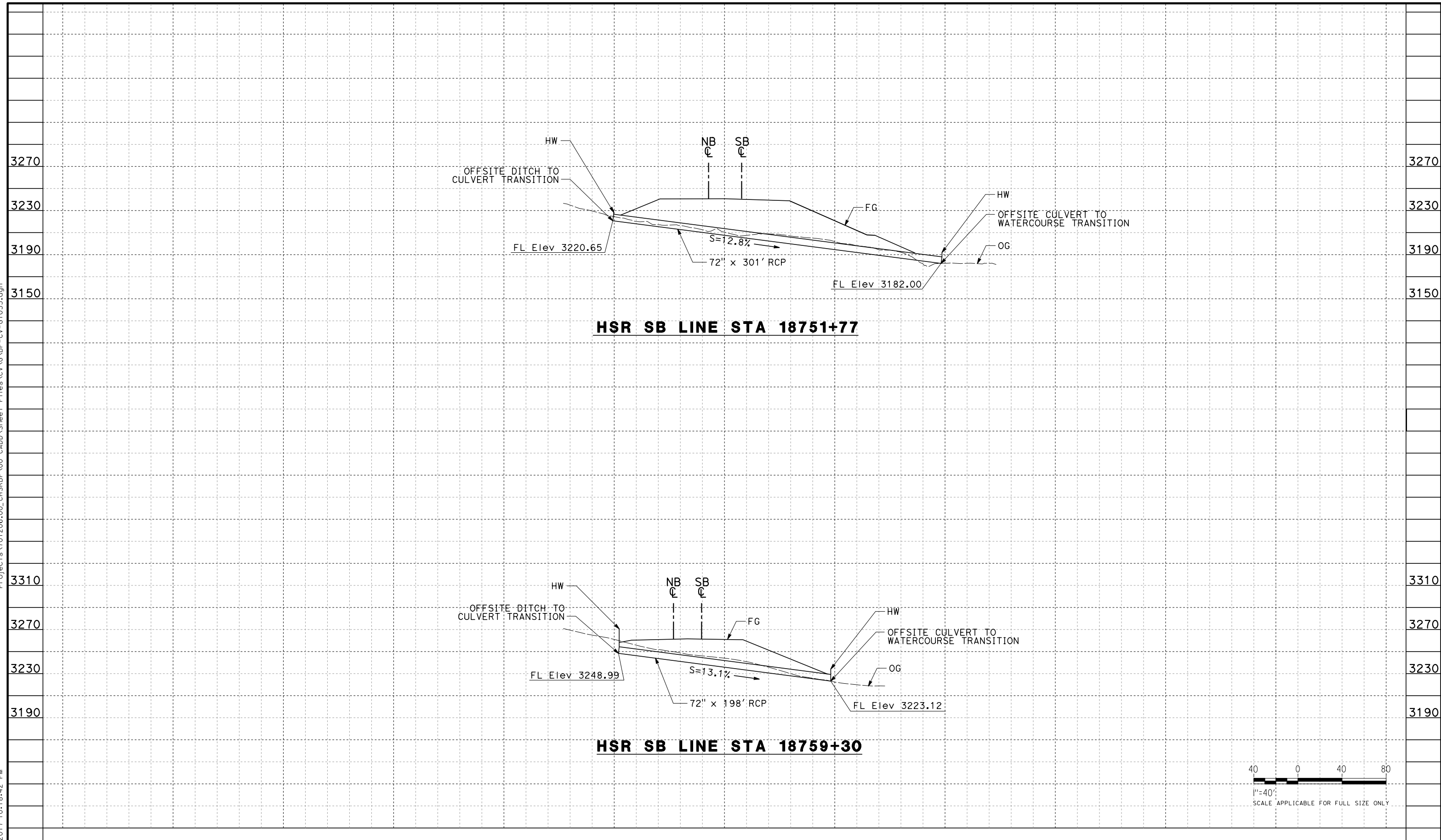
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18709, 18713
PROFILE

CONTRACT NO.
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SCALE
AS SHOWN
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18751, 18759
PROFILE

CONTRACT NO.
HSR13-44

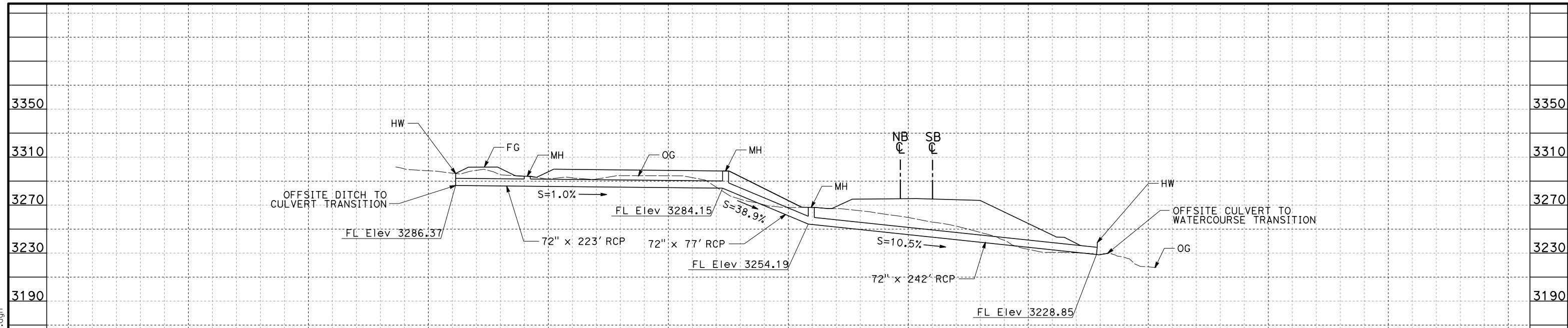
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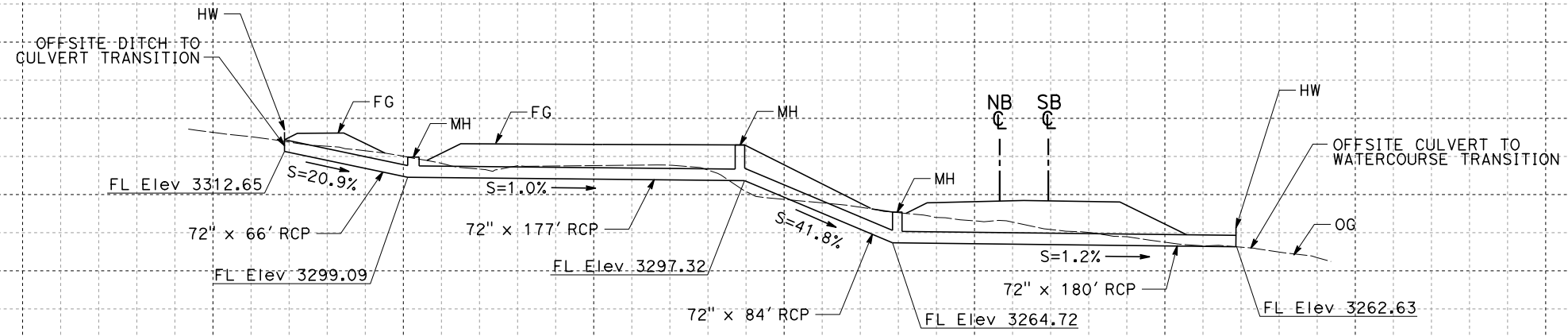
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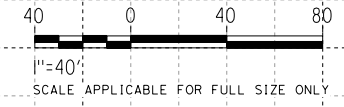
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HSR SB LINE STA 18764+24



HSR SB LINE STA 18768+42



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18764, 18768
PROFILE

CONTRACT NO.
HSR13-44

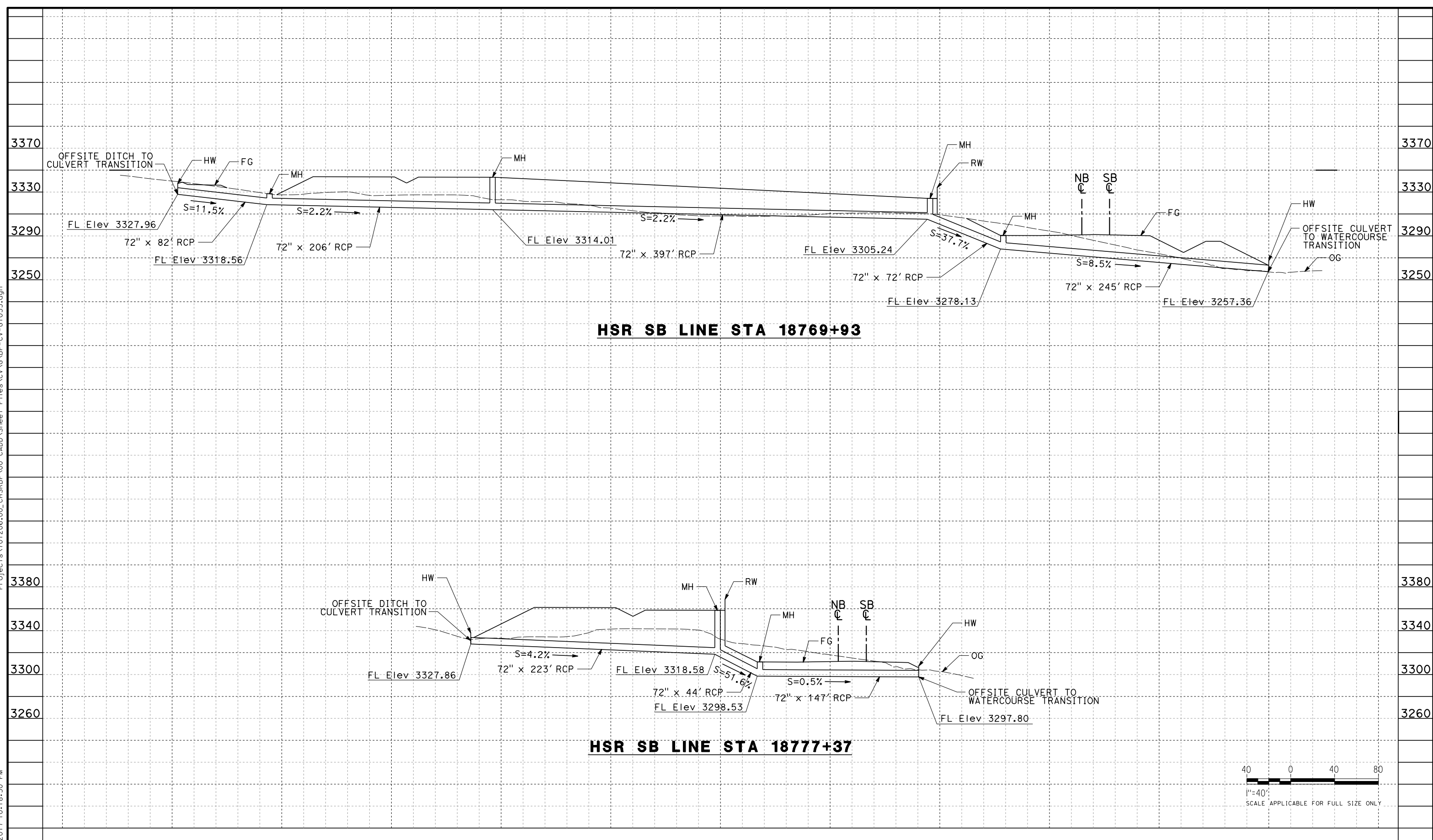
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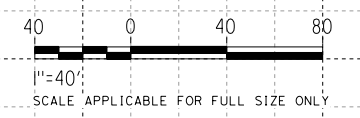
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HSR SB LINE STA 18769+93

HSR SB LINE STA 18777+37



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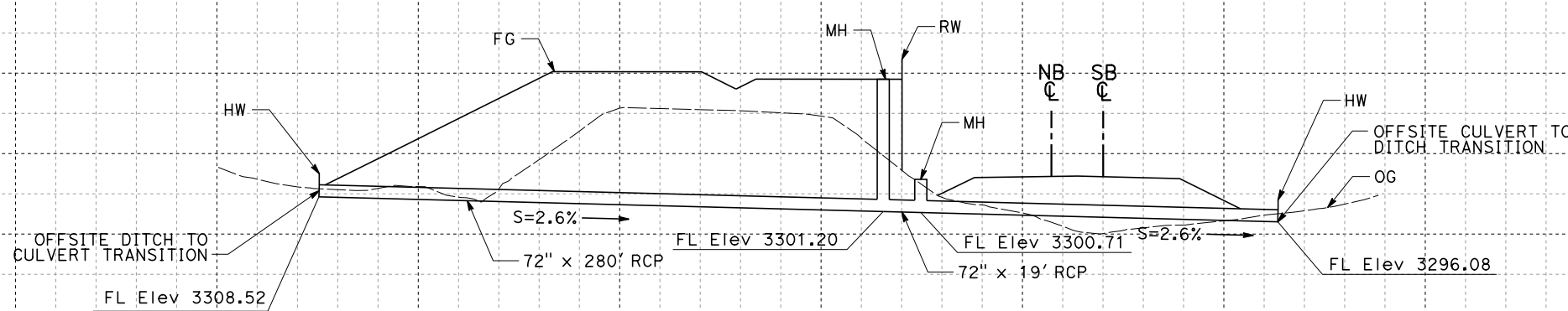
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18769, 18777
PROFILE

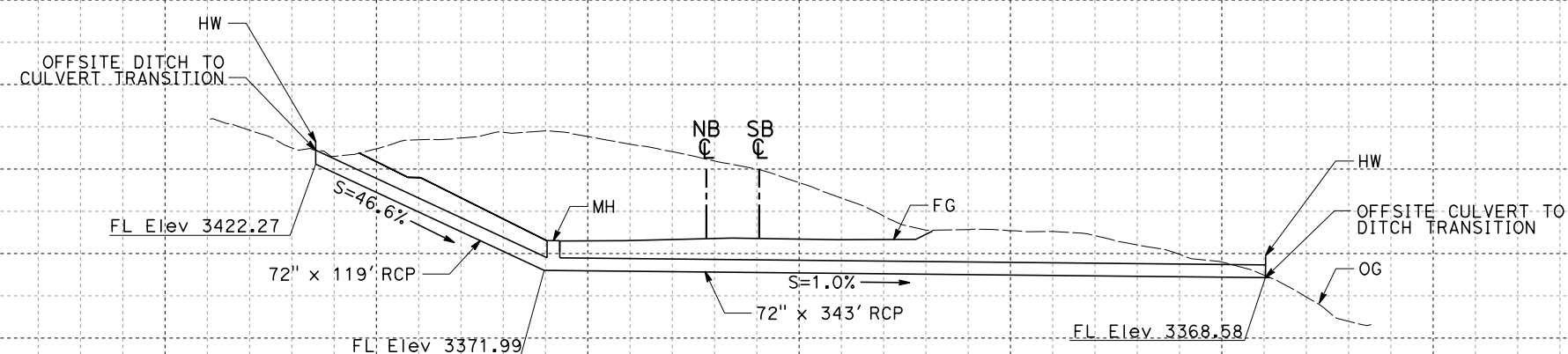
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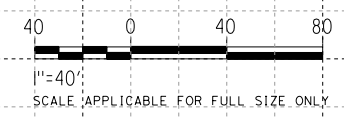
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HSR SB LINE STA 18779+76



HSR SB LINE STA 18804+27



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S. SMITH
DATE
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18779, 18804
PROFILE

CONTRACT NO.
HSR13-44

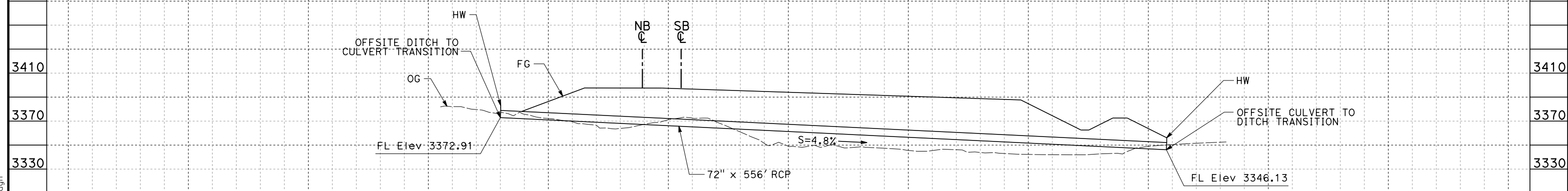
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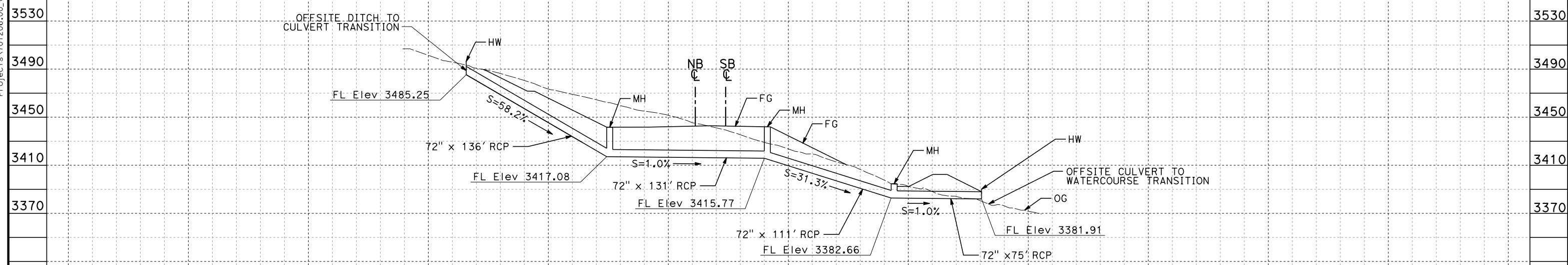
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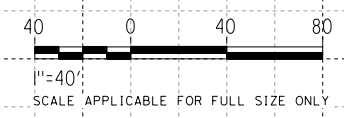
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HSR SB LINE STA 18807+79



HSR SB LINE STA 18824+11



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18807, 18824
PROFILE

CONTRACT NO.
HSR13-44

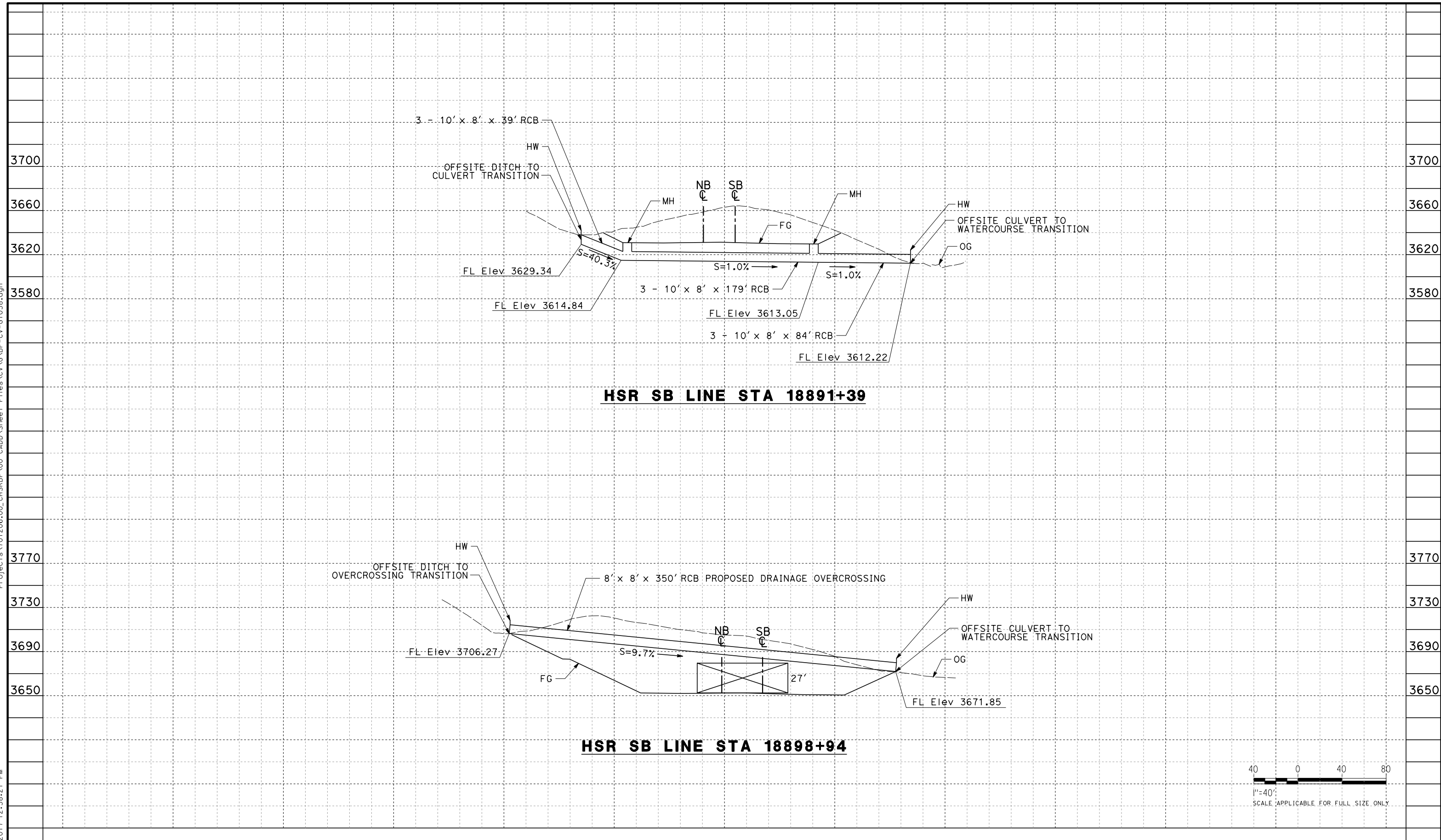
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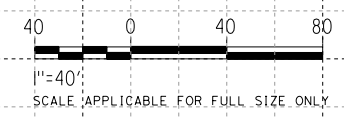
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HSR SB LINE STA 18891+39

HSR SB LINE STA 18898+94



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18891, 18898
PROFILE

CONTRACT NO.
HSR13-44

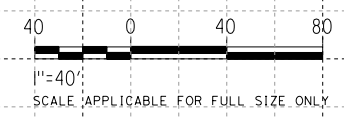
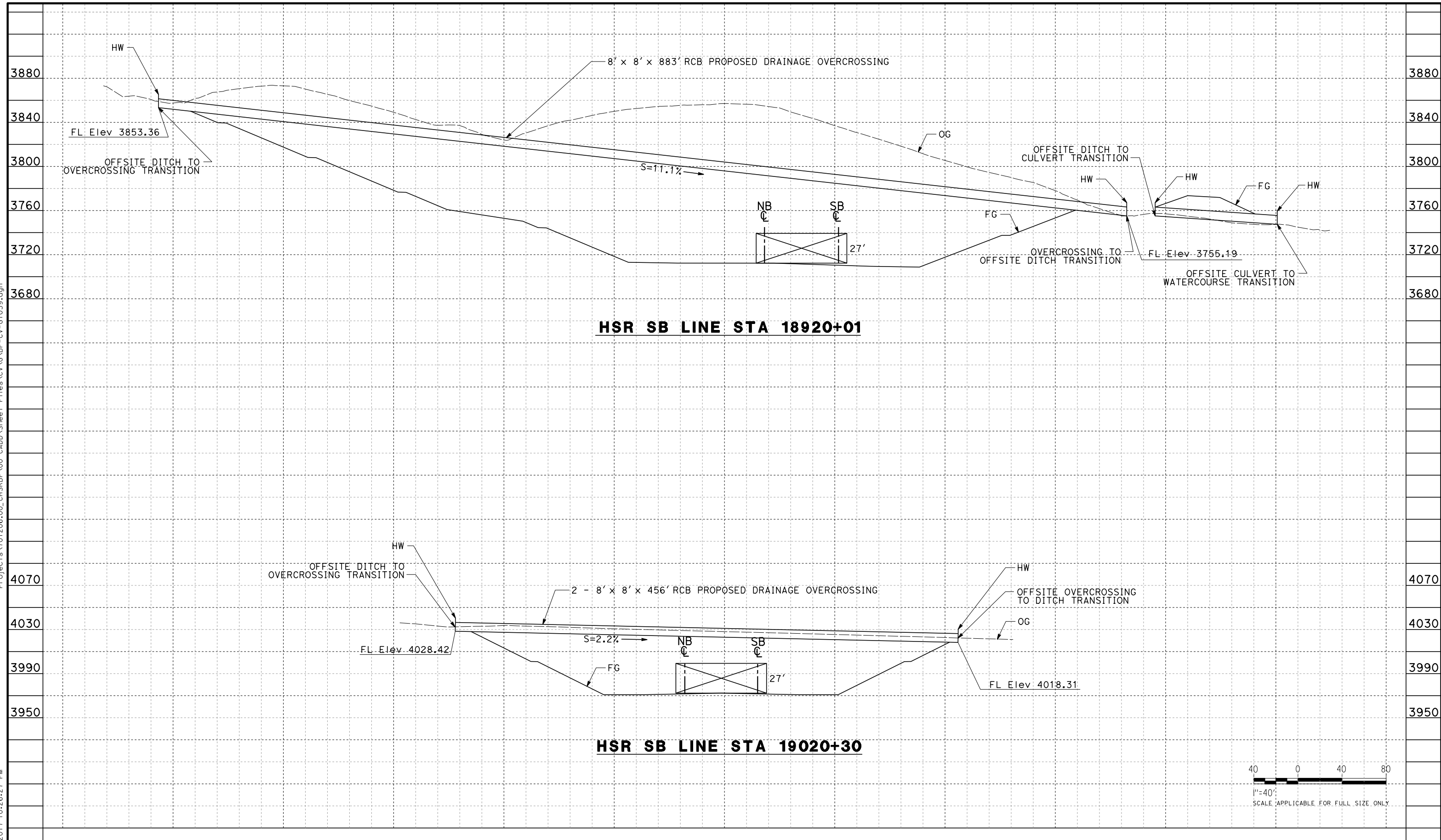
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 18920, 19020
PROFILE

CONTRACT NO.
HSR13-44

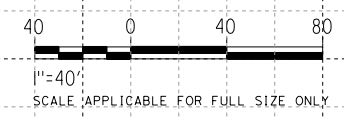
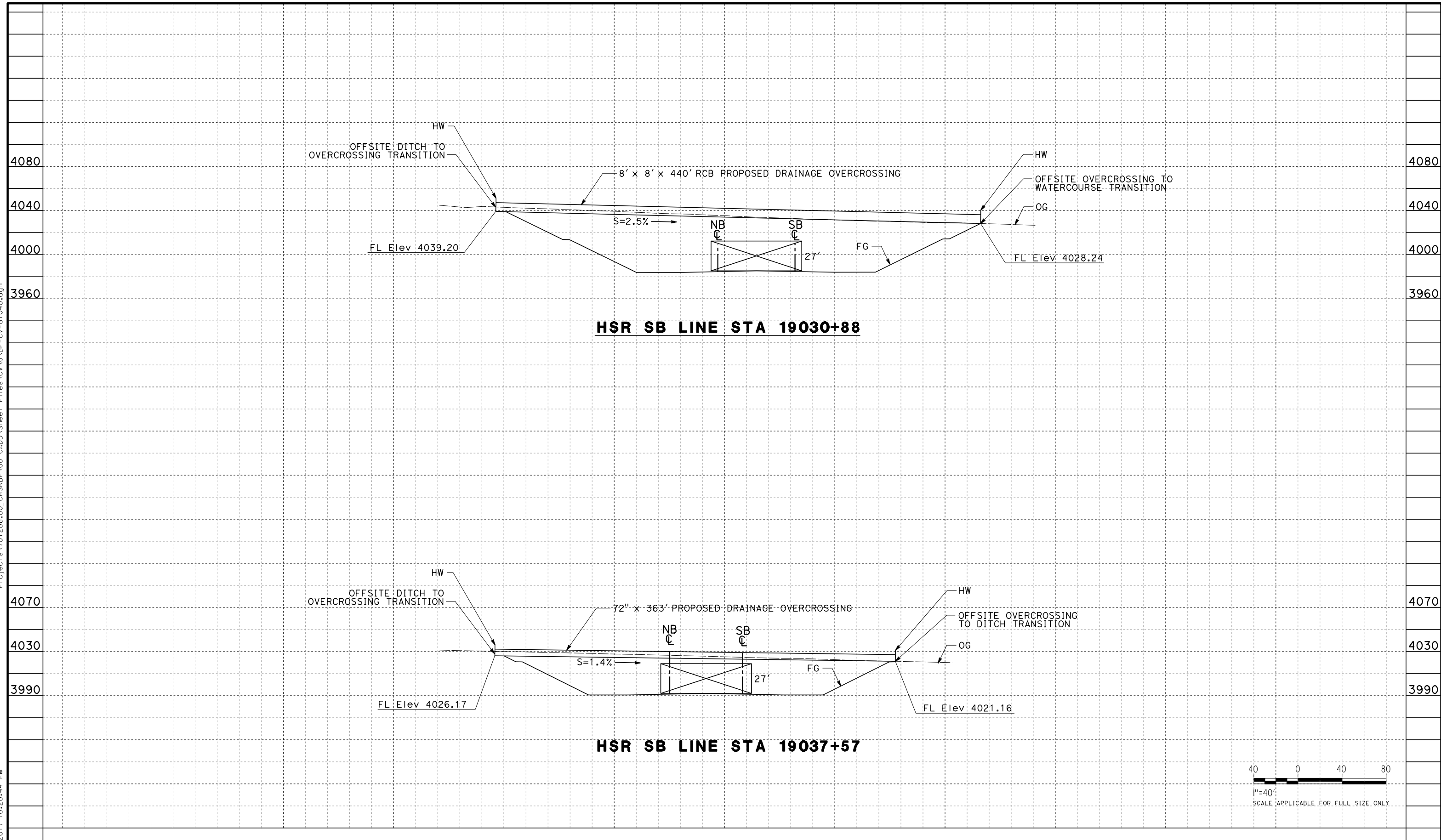
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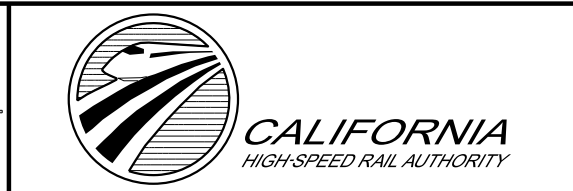


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IN CHARGE
S. SMITH
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 19030, 19037
PROFILE

CONTRACT NO.
HSR13-44

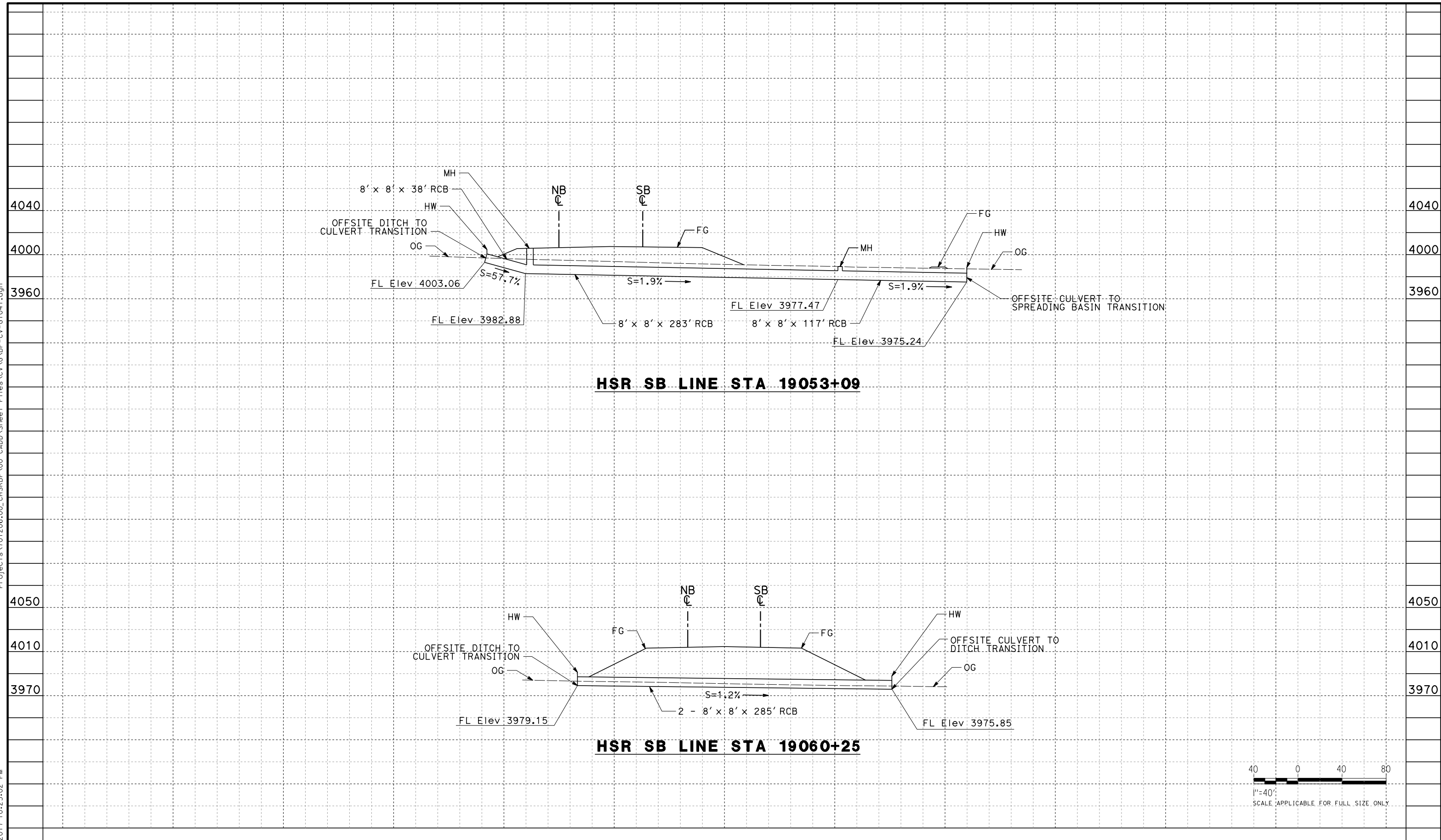
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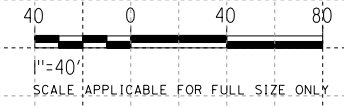
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HSR SB LINE STA 19053+09

HSR SB LINE STA 19060+25



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 19053, 19060
PROFILE

CONTRACT NO.
HSR13-44

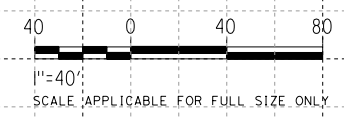
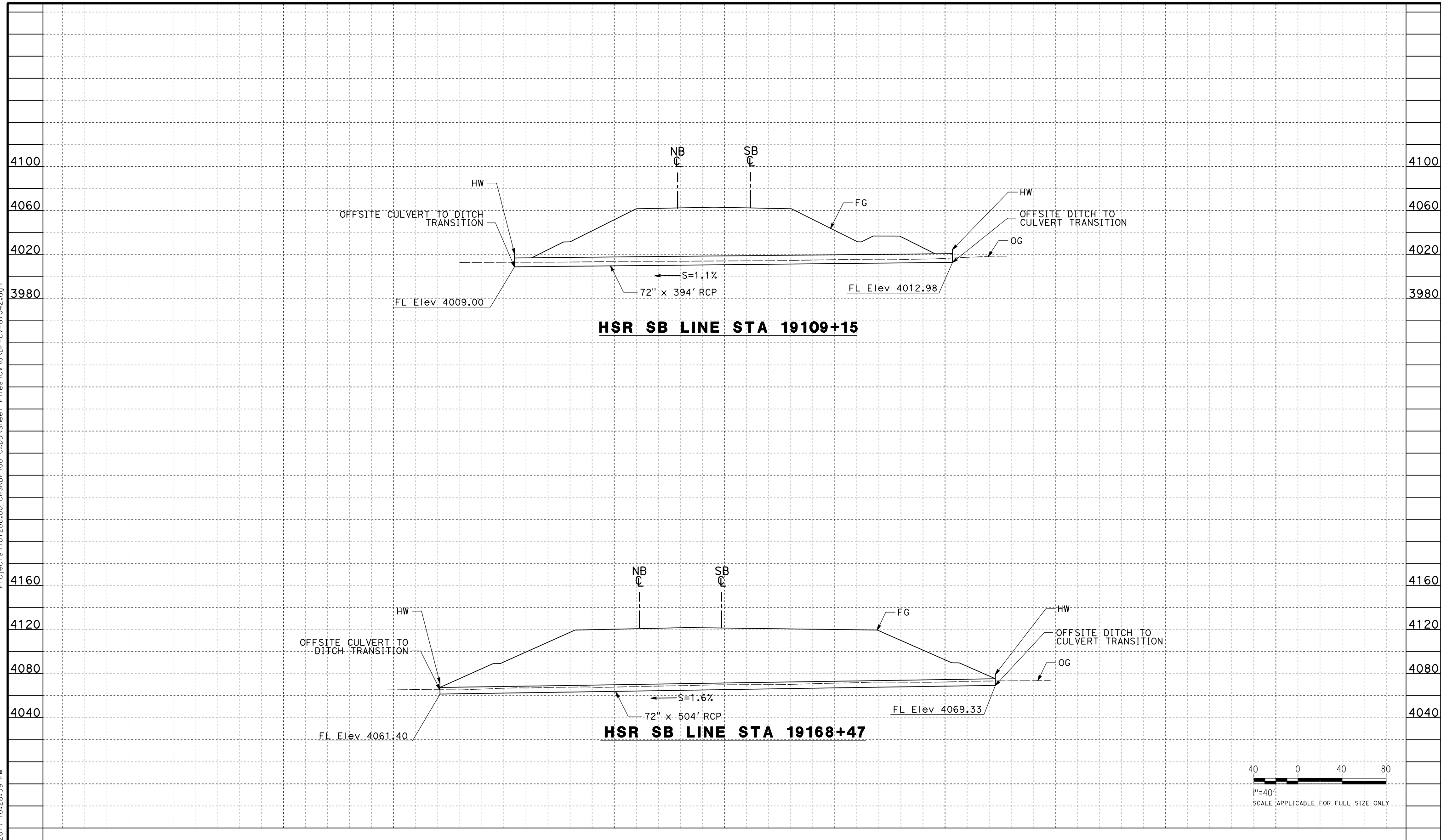
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SHEET NO.

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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 19109, 19168
PROFILE

CONTRACT NO.
HSR13-44

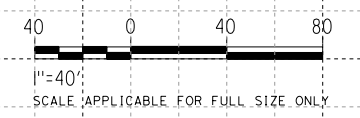
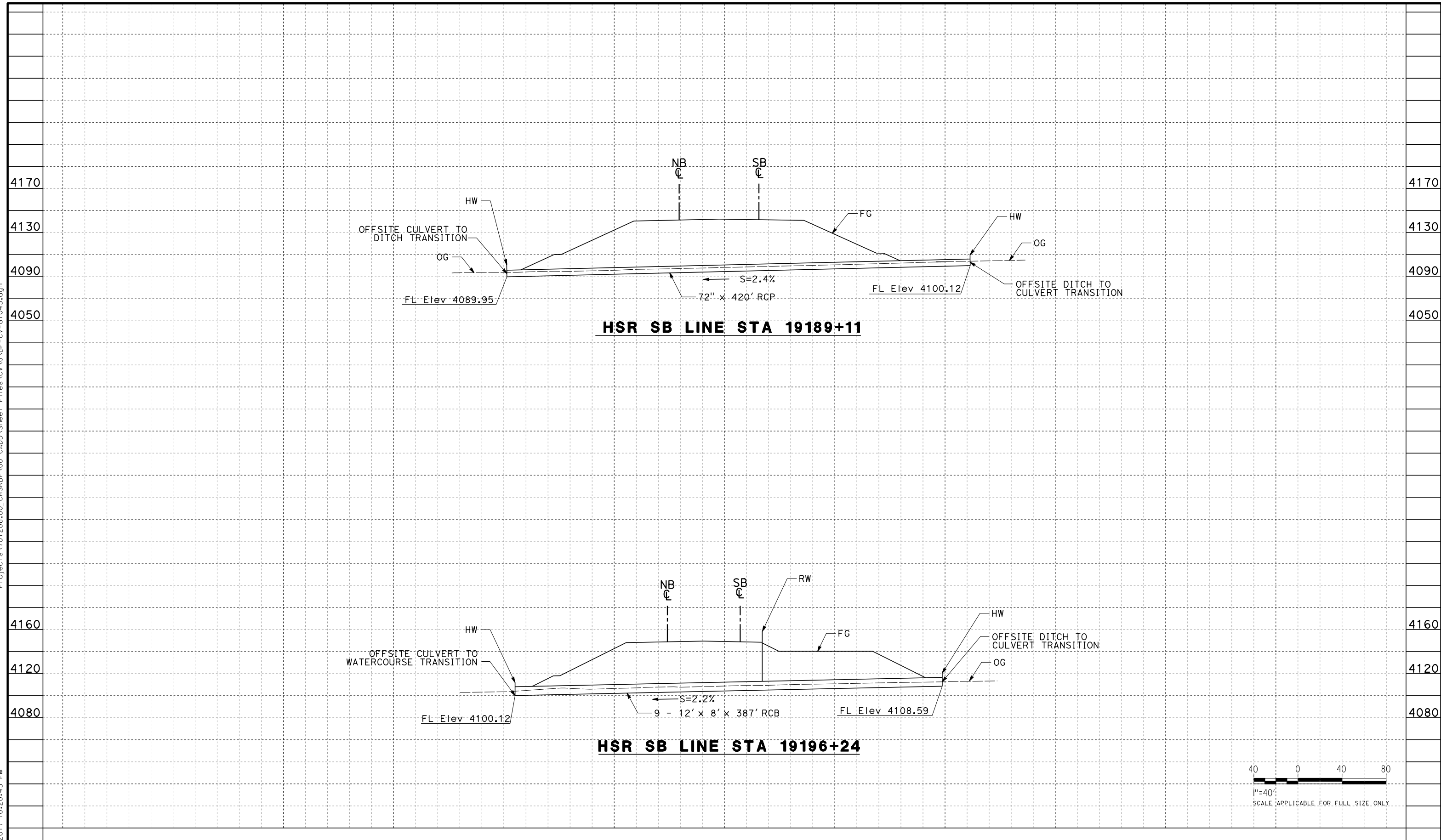
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SCALE
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SHEET NO.

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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 19189, 19196
PROFILE

CONTRACT NO.
HSR13-44

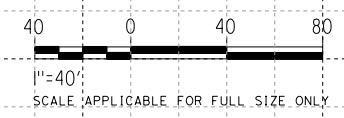
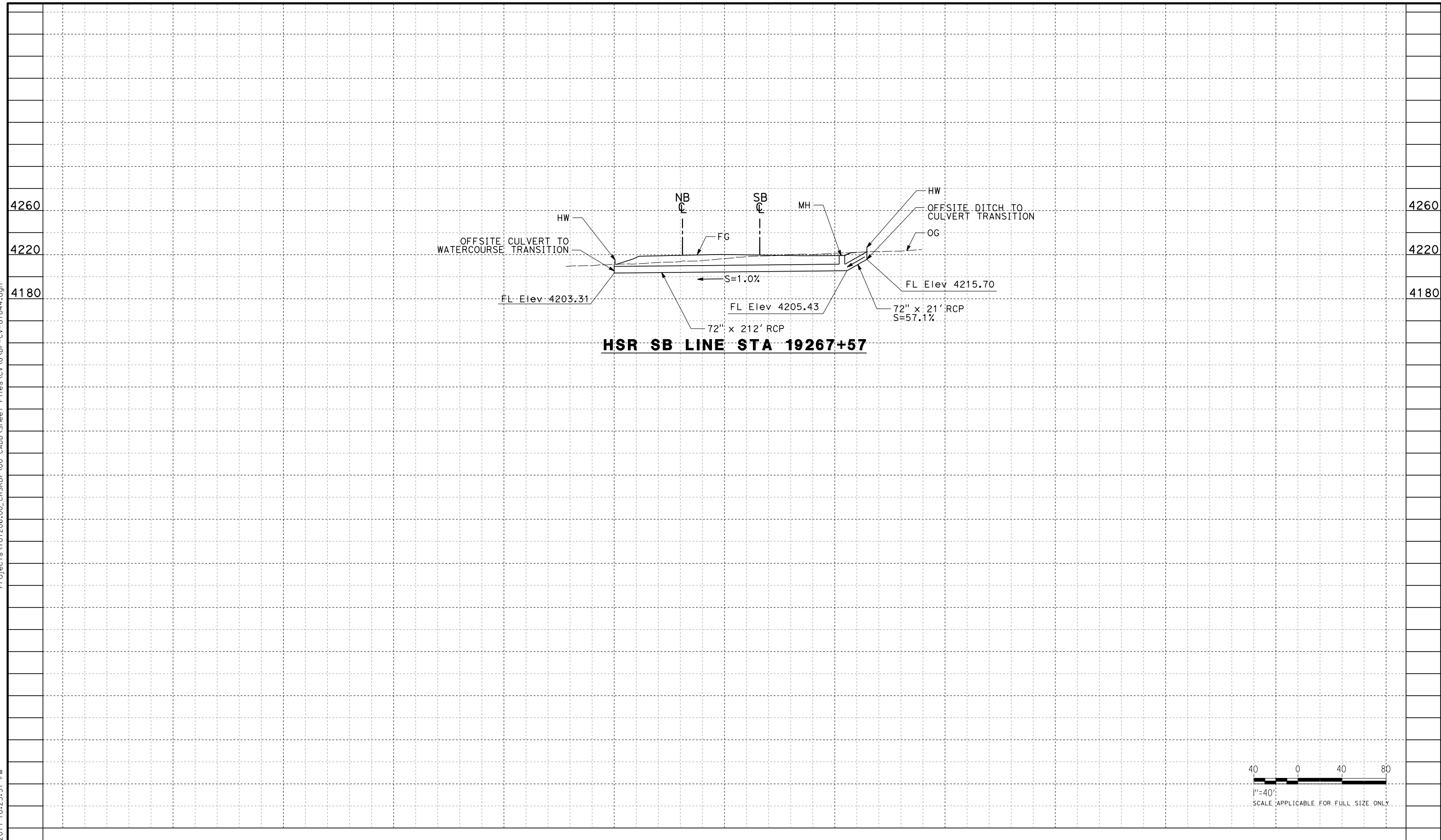
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11/7/2017 10:25:51 PM
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J. ABRAMS
DRAWN BY
N. SANDERS
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

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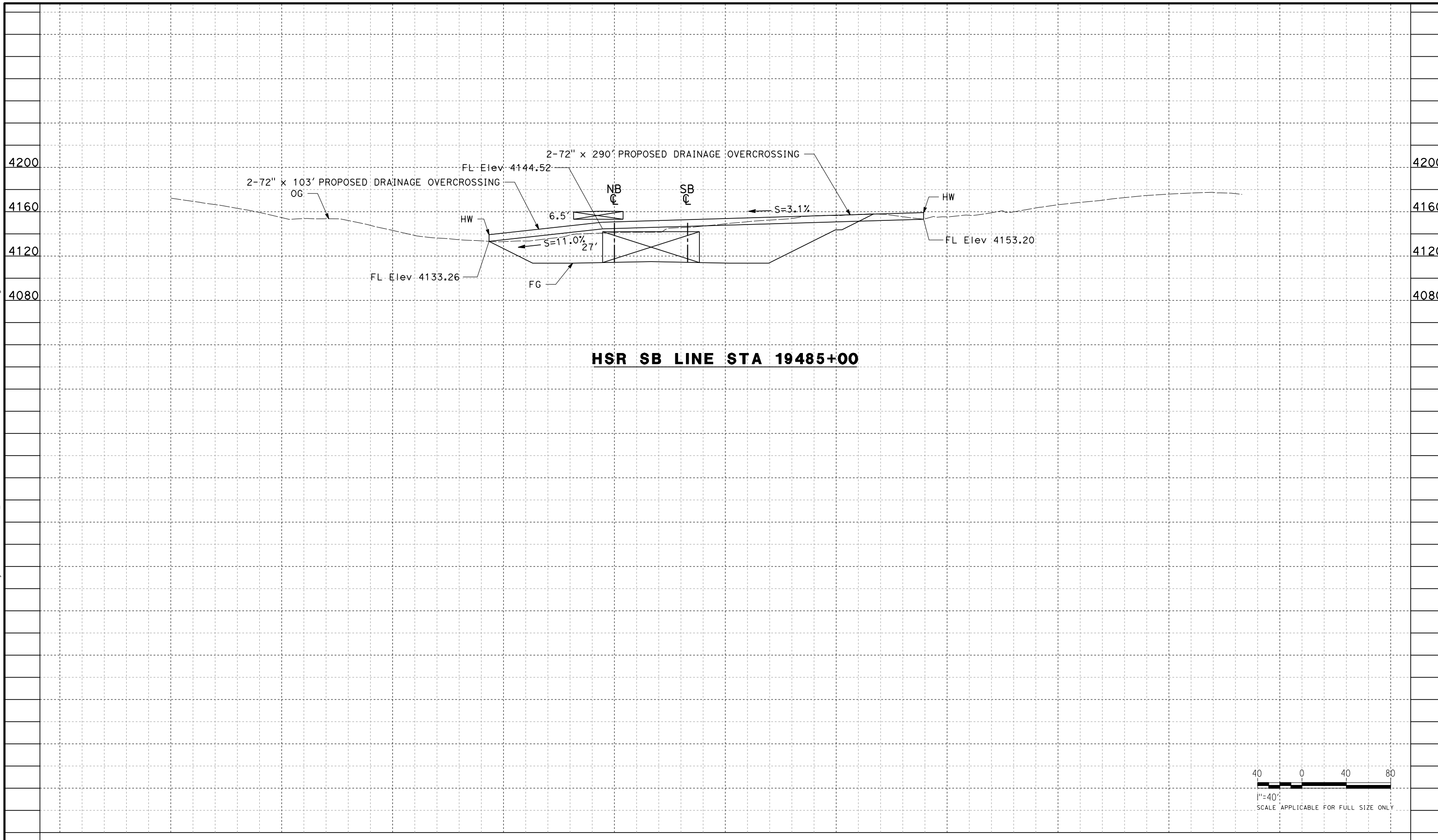
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 19267
PROFILE

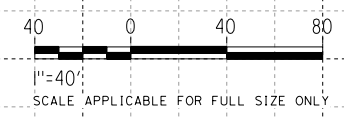
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DRAWING NO.
CV-G1044
SCALE
AS SHOWN
SHEET NO.

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11/7/2017 10:26:14 PM



HSR SB LINE STA 19485+00



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

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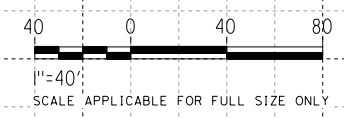
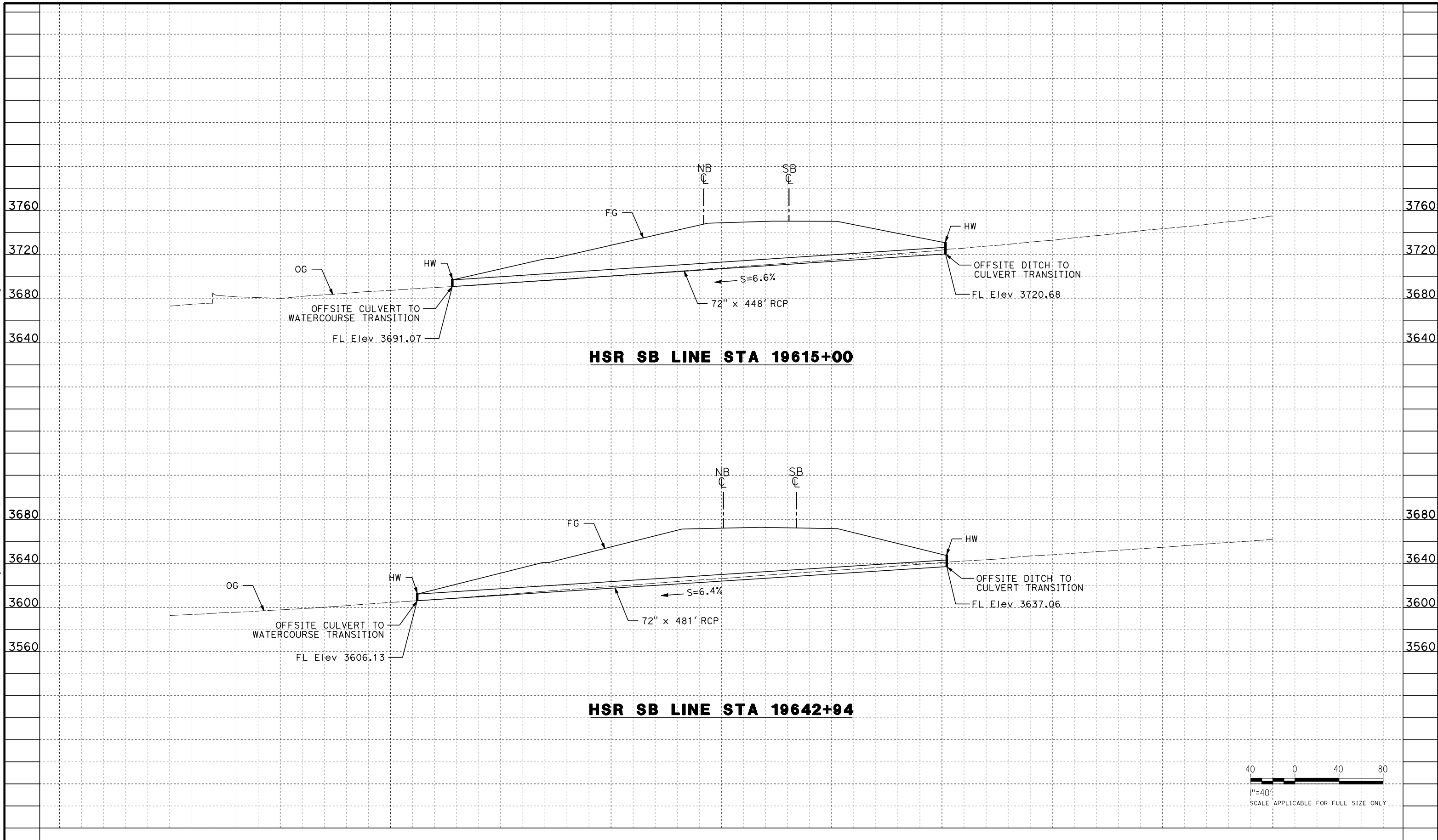
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
STA. 19485
PROFILE

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

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

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G. CAMPBELL

IN CHARGE
S. SMITH

DATE
10/31/2017

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

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
STA. 19615, 19642
PROFILE

CONTRACT NO.
HSR13-44

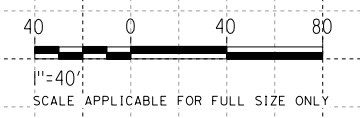
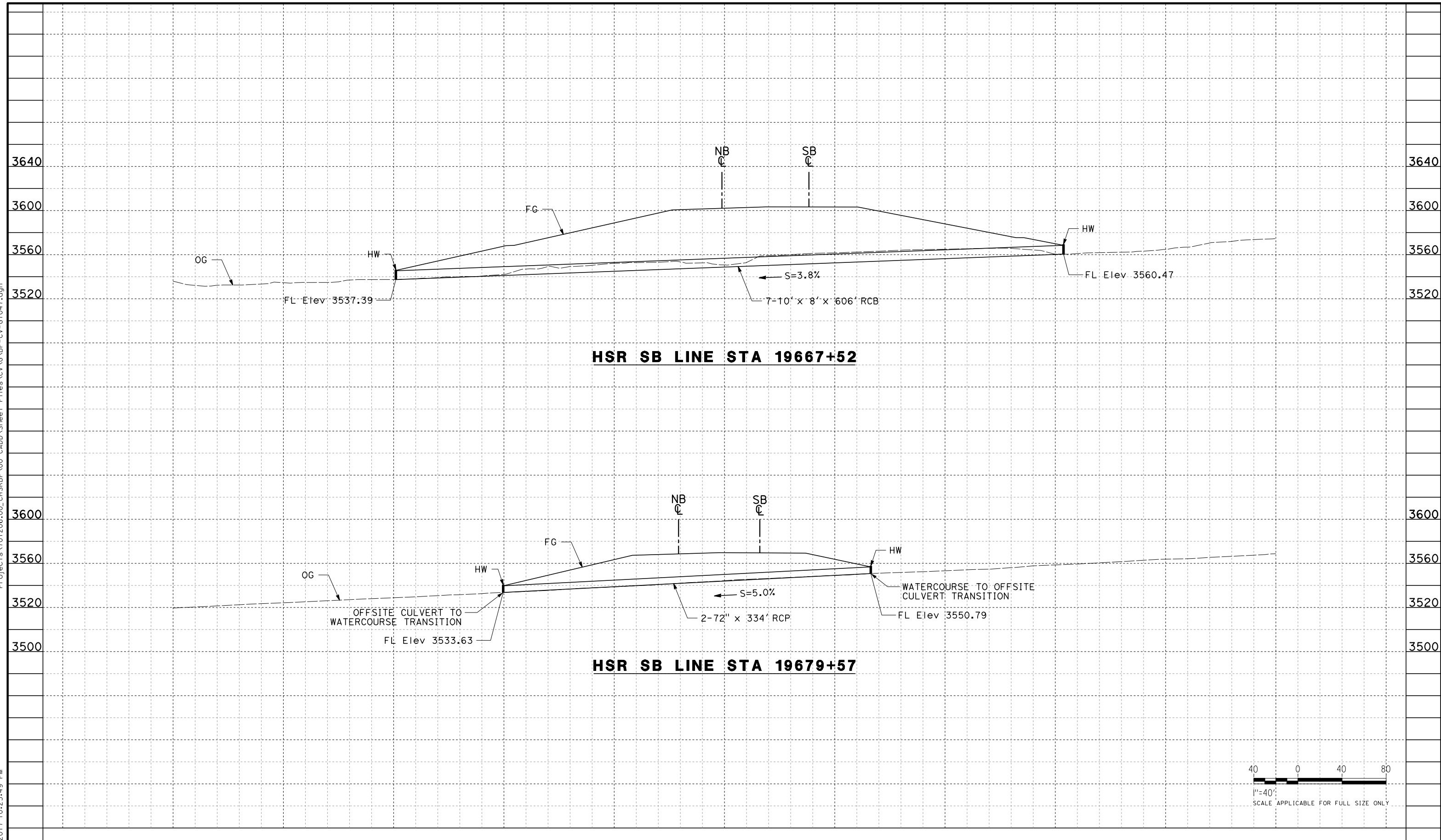
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SCALE
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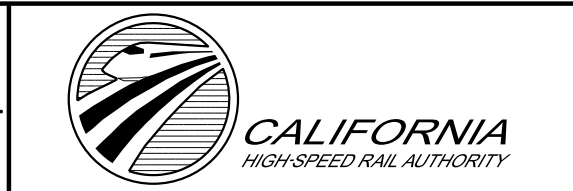


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DESIGNED BY
R. KRAFT
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A. CAROLINO
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

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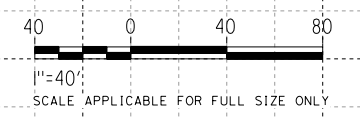
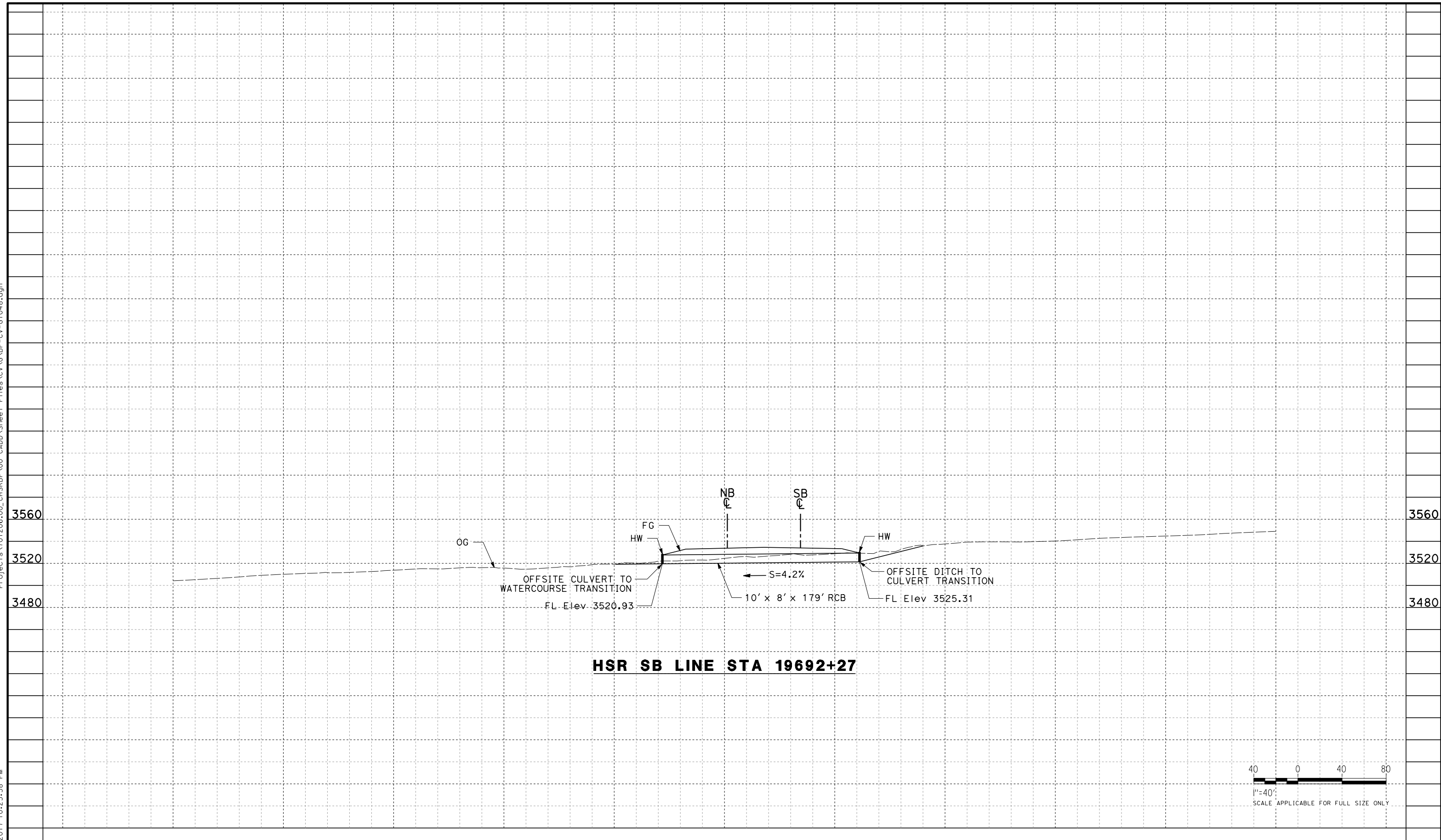
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
STA. 19667, 19679
PROFILE

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

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G. CAMPBELL
IN CHARGE
S. SMITH
DATE
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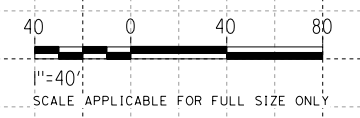
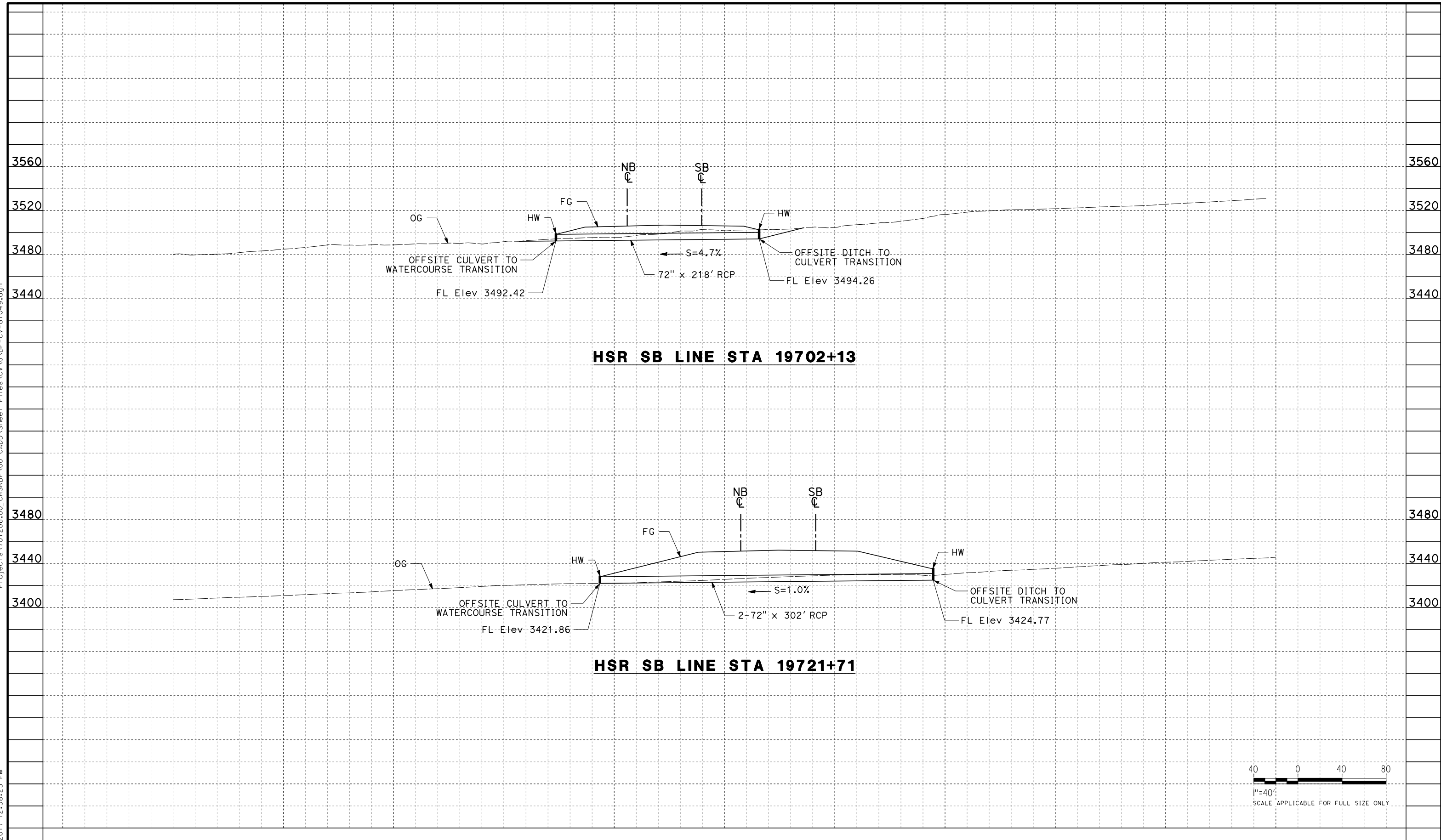
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
STA. 19692
PROFILE

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

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

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A. CAROLINO
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G. CAMPBELL
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S. SMITH
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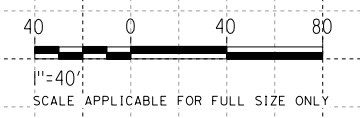
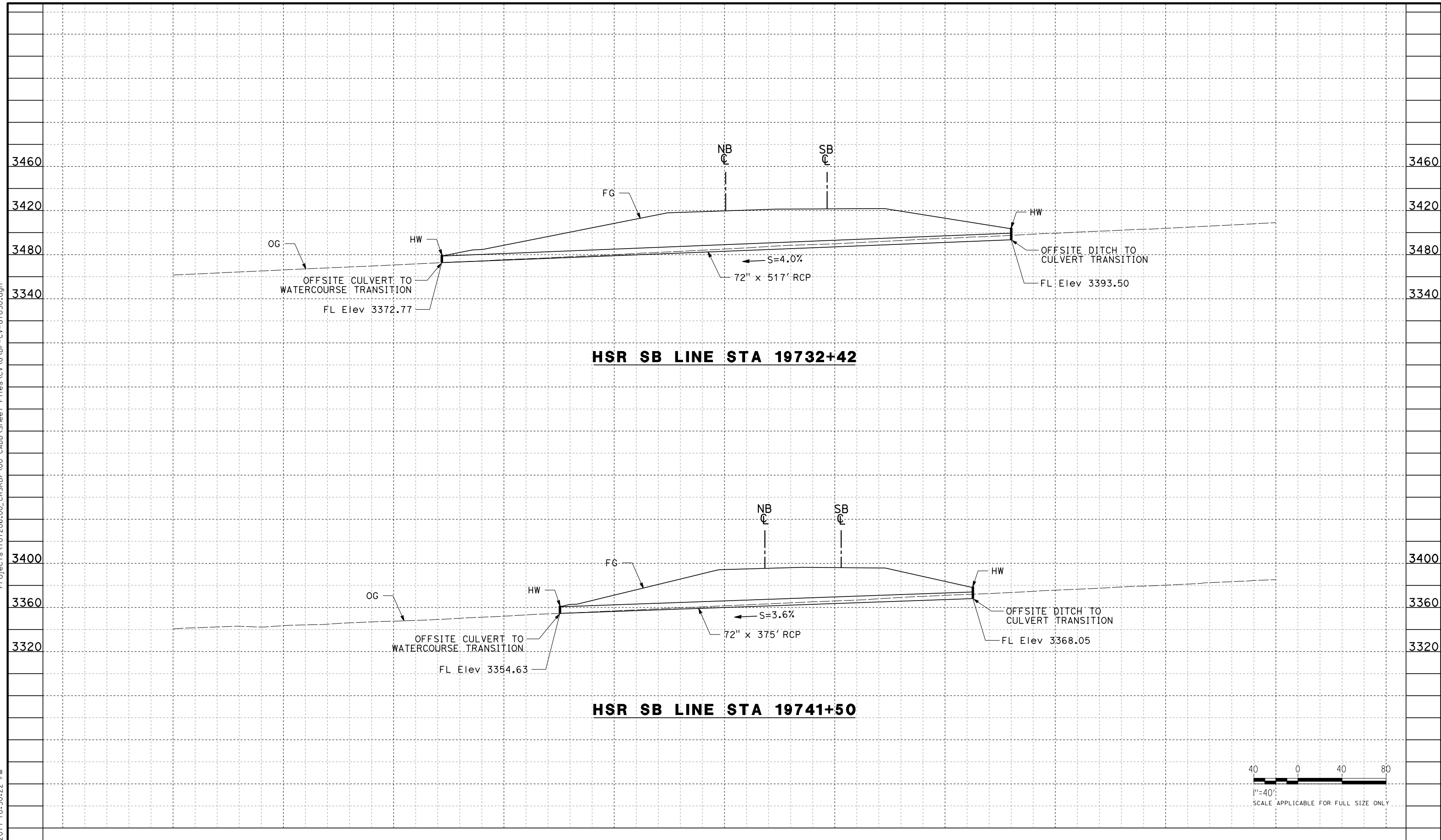
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BAKERSFIELD TO PALMDALE**

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

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1049
SCALE
AS SHOWN
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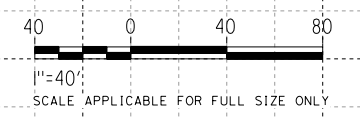
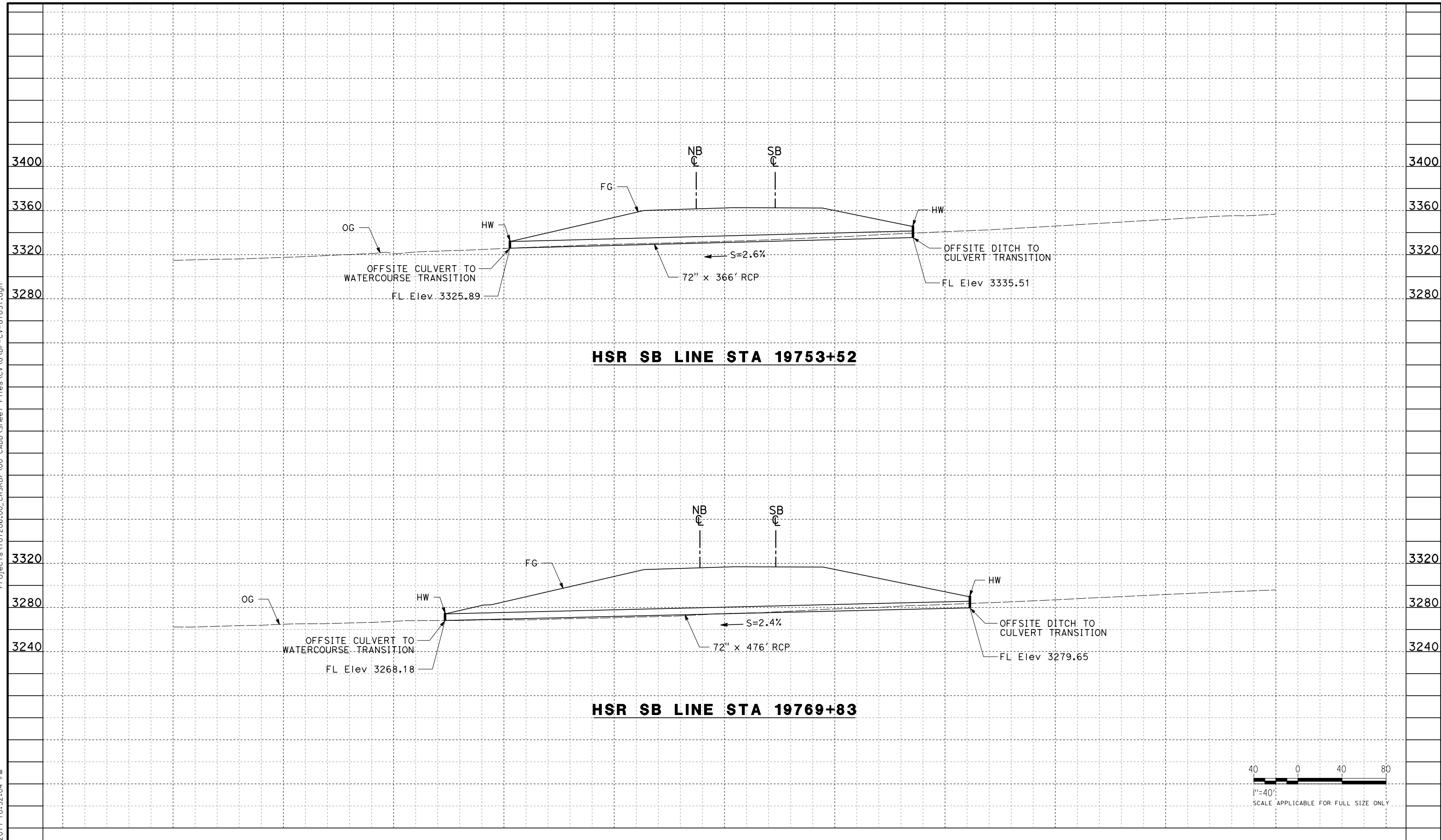
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
STA. 19732, 19741
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
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SCALE
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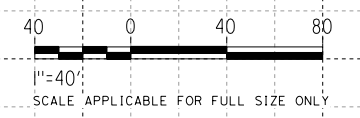
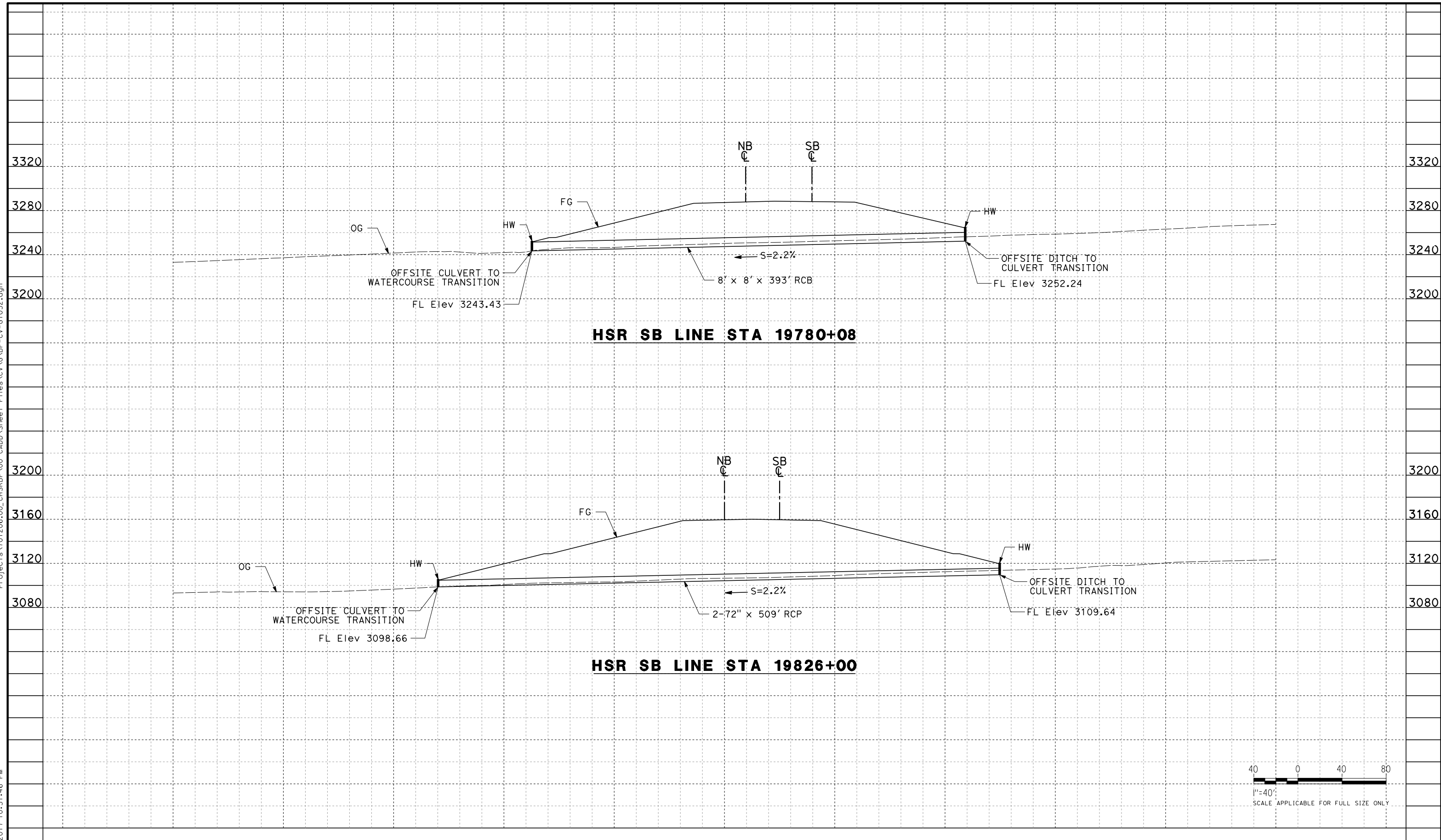
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BAKERSFIELD TO PALMDALE**

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

CONTRACT NO.
HSR13-44
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SCALE
AS SHOWN
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G. CAMPBELL
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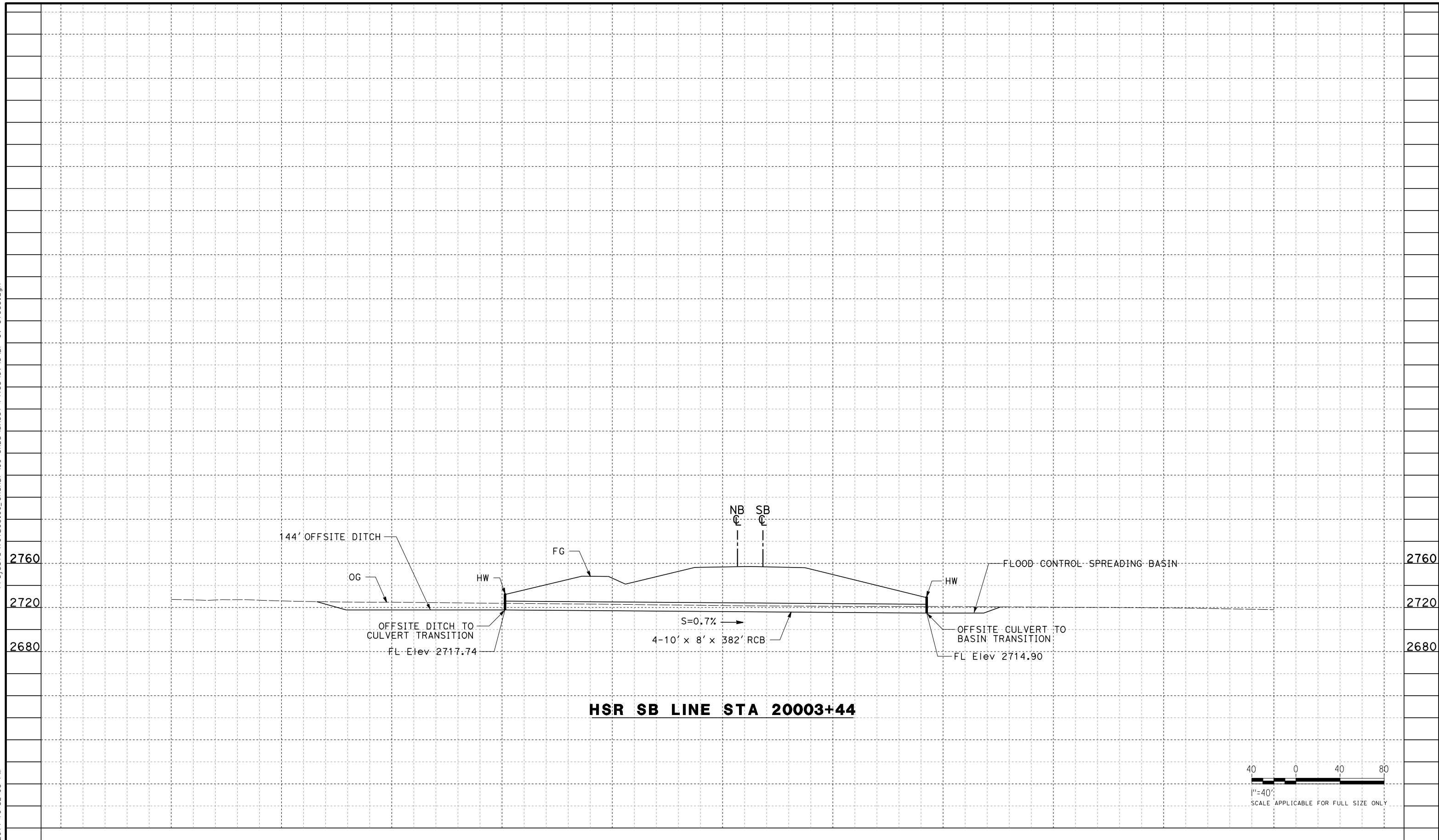
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
STA. 19780, 19826
PROFILE

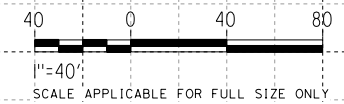
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SCALE
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A. CAROLINO
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G. CAMPBELL
IN CHARGE
S. SMITH
DATE
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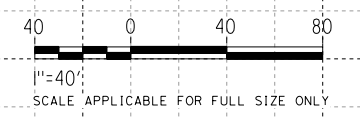
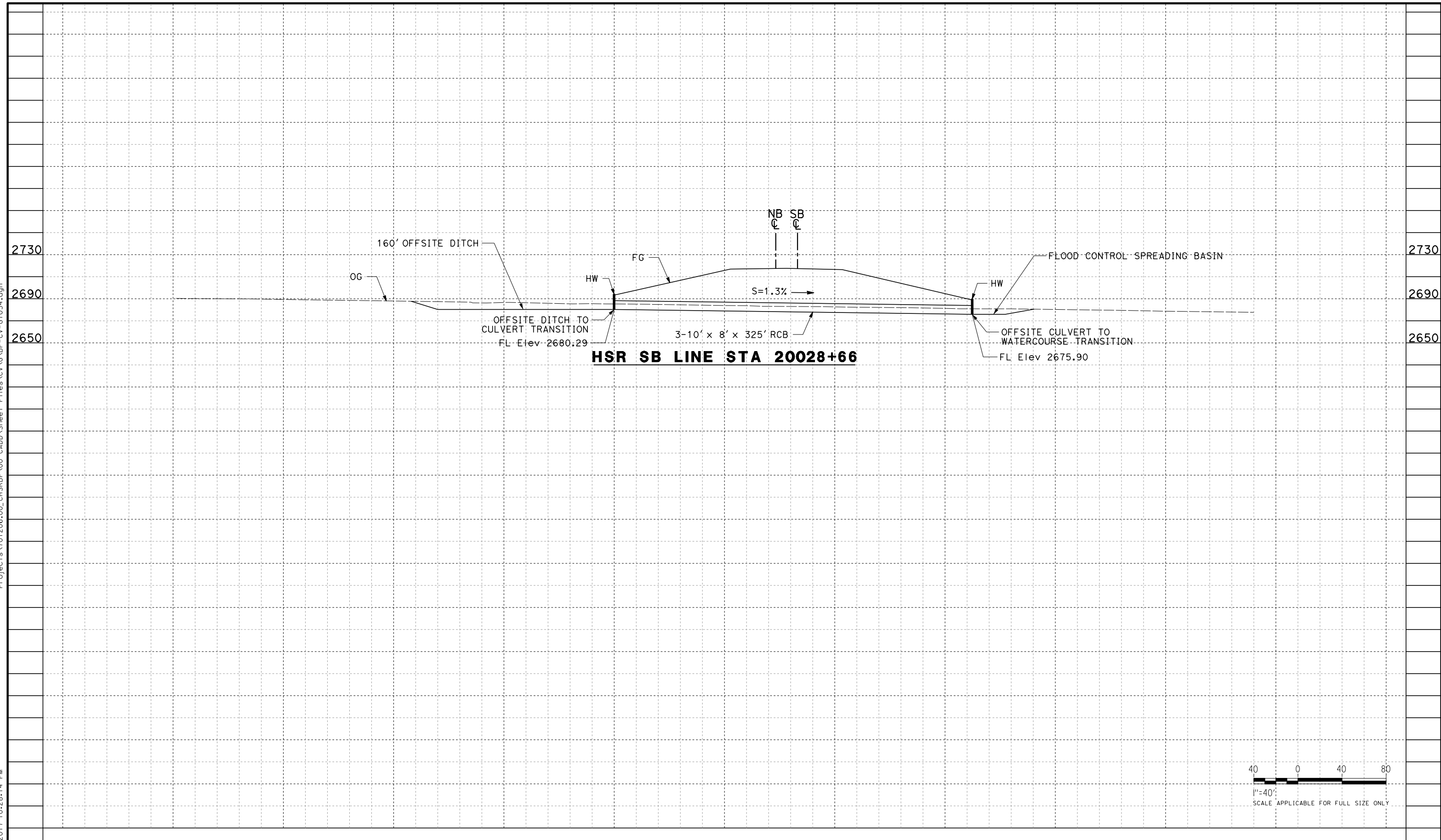


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
STA. 20003
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1053
SCALE
AS SHOWN
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A. CAROLINO
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

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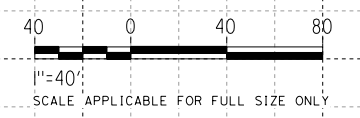
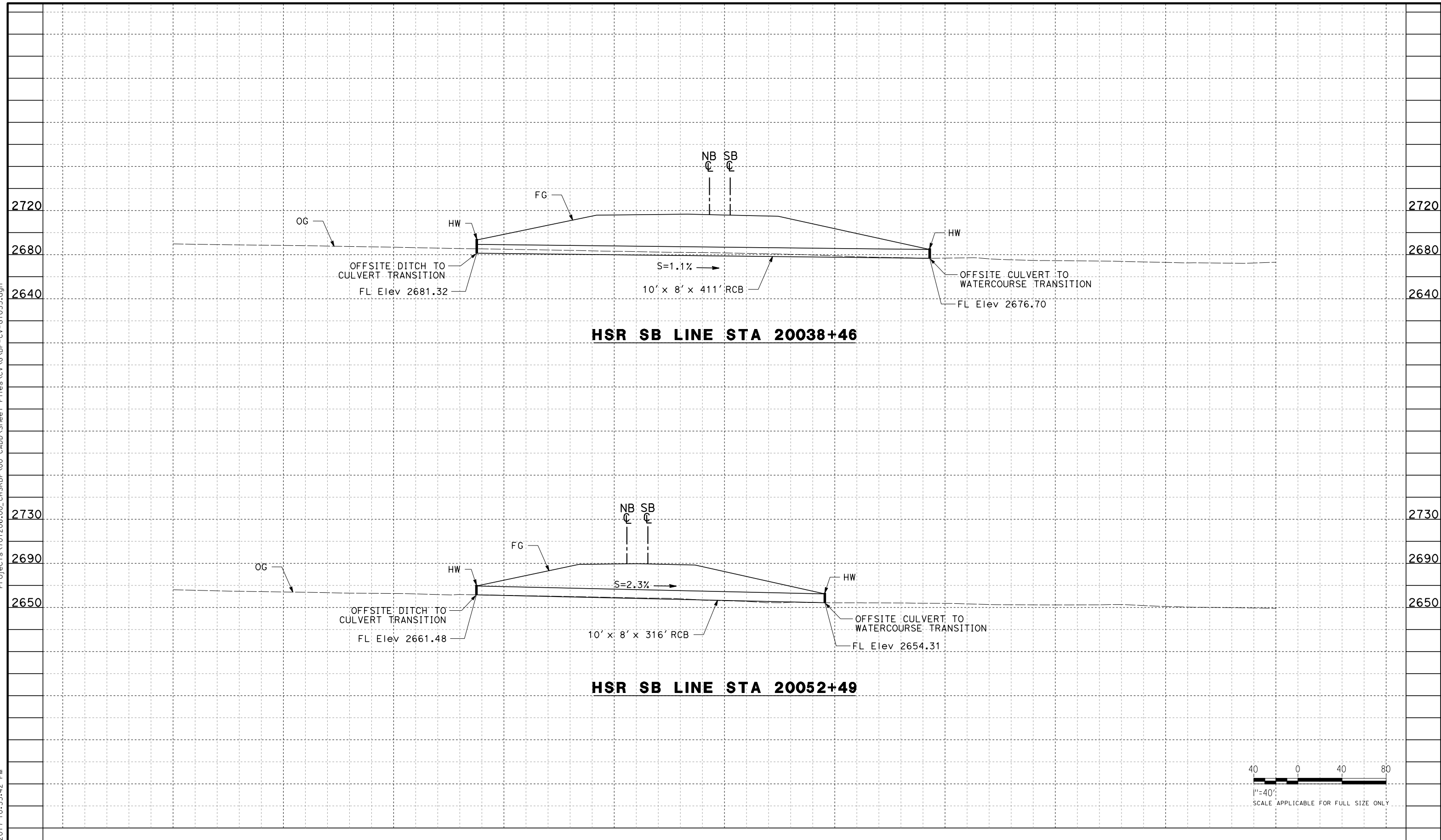


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,5
GRADING AND DRAINAGE
STA. 20028
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1054
SCALE
AS SHOWN
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Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1055.dgn

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R. KRAFT

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A. CAROLINO

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G. CAMPBELL

IN CHARGE
S. SMITH

DATE
10/31/2017

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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20038, 20052
PROFILE

CONTRACT NO.
HSR13-44

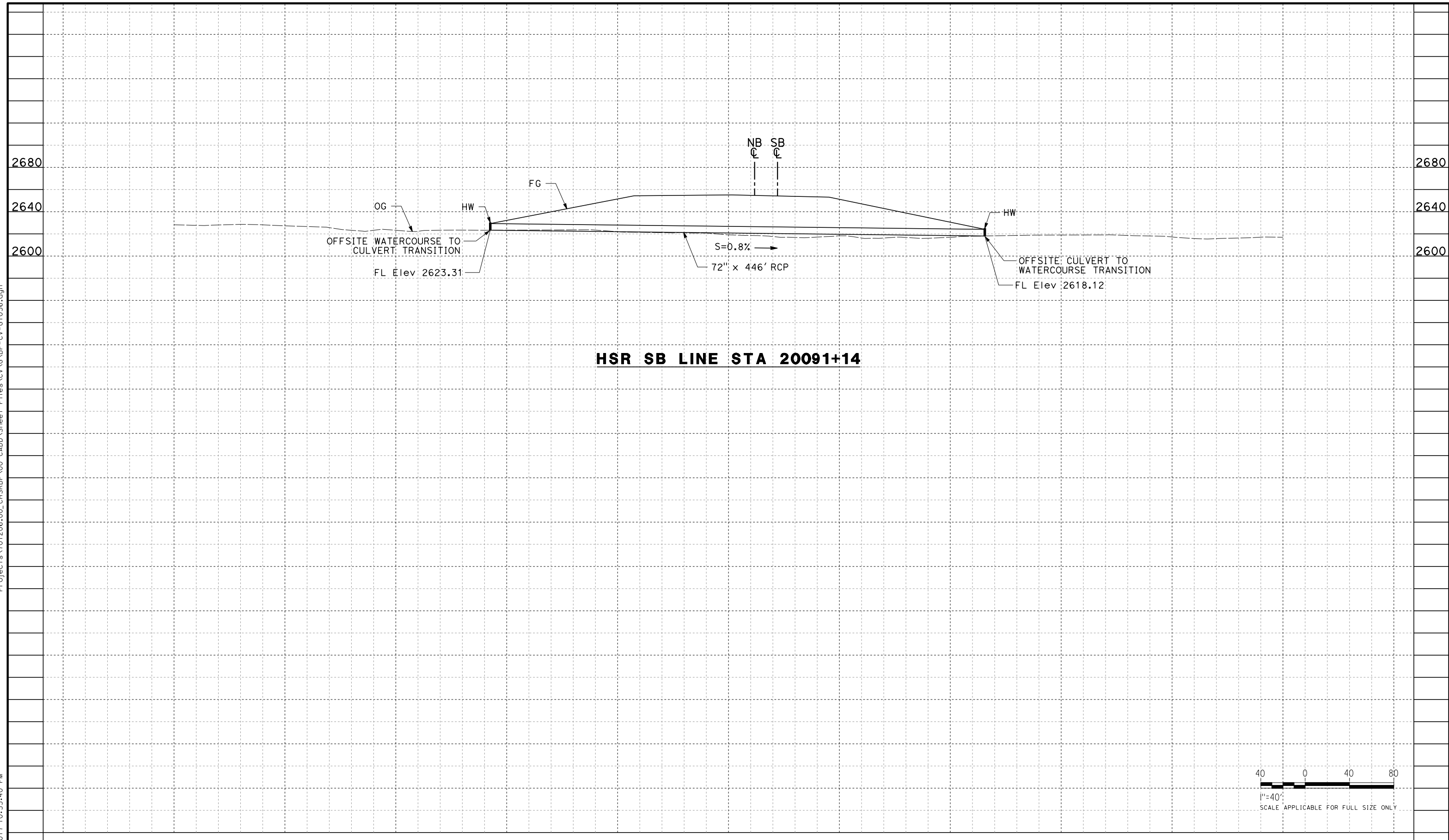
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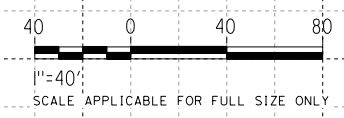
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HSR SB LINE STA 20091+14



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A. CAROLINO
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G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

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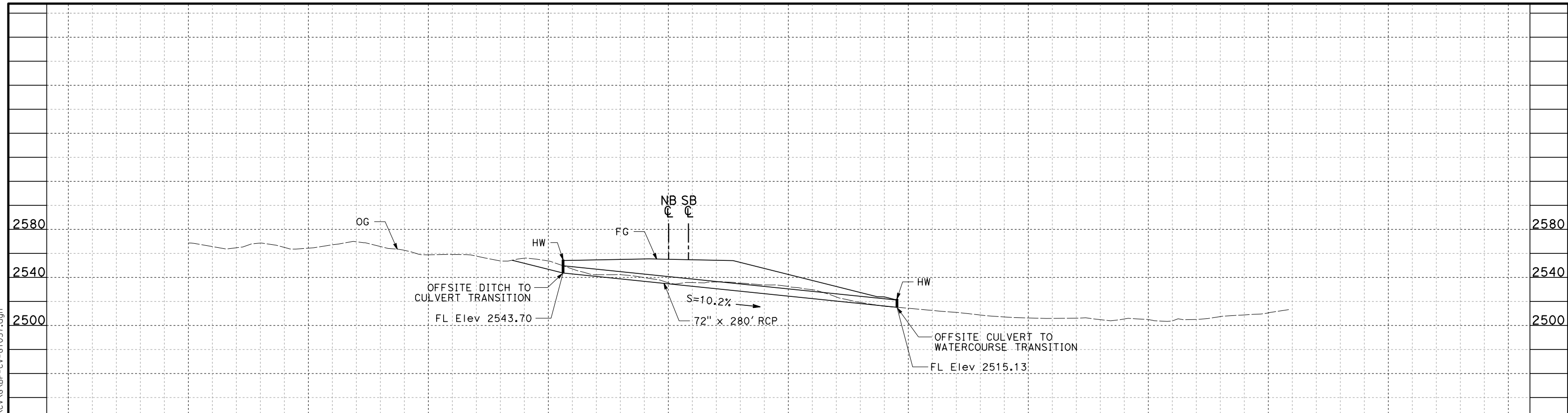
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20091
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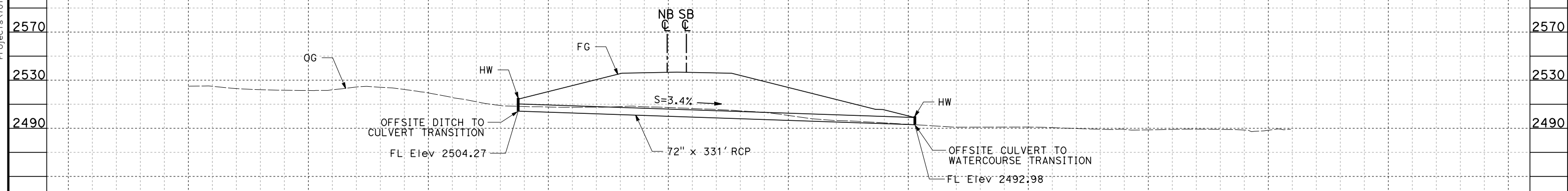
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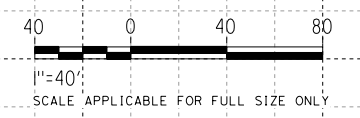
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HSR SB LINE STA 20148+30



HSR SB LINE STA 20152+27

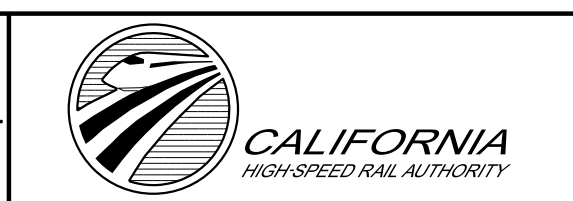


REV	DATE	BY	CHK	APP	DESCRIPTION

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

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PEPD
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CONSTRUCTION**



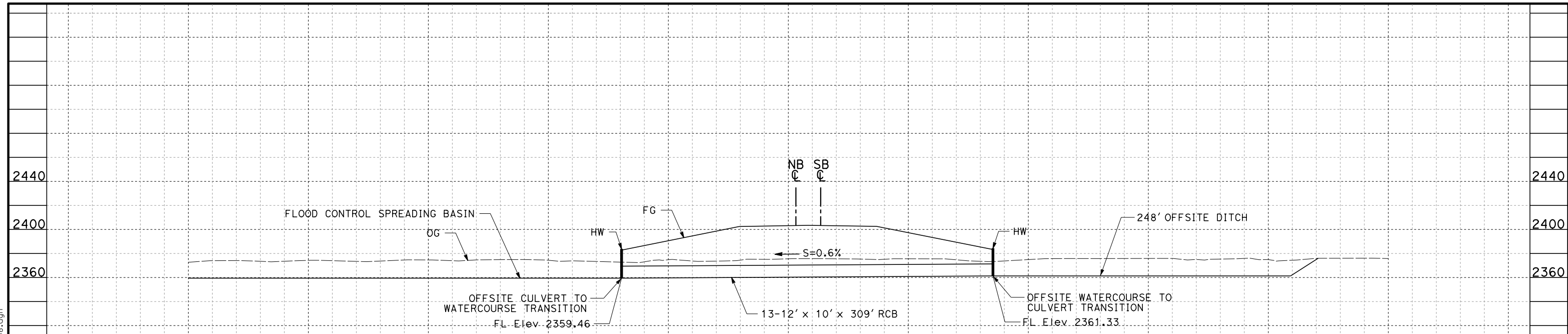
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20148, 20151
PROFILE

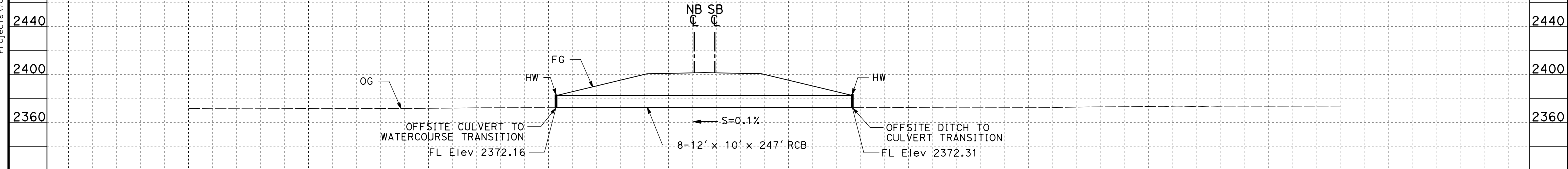
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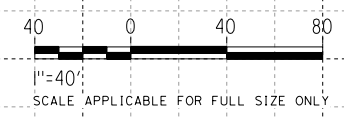
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HSR SB LINE STA 20293+94



HSR SB LINE STA 20306+21



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

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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20293, 20306
PROFILE

CONTRACT NO.
HSR13-44

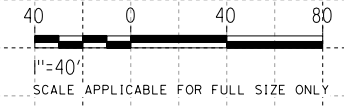
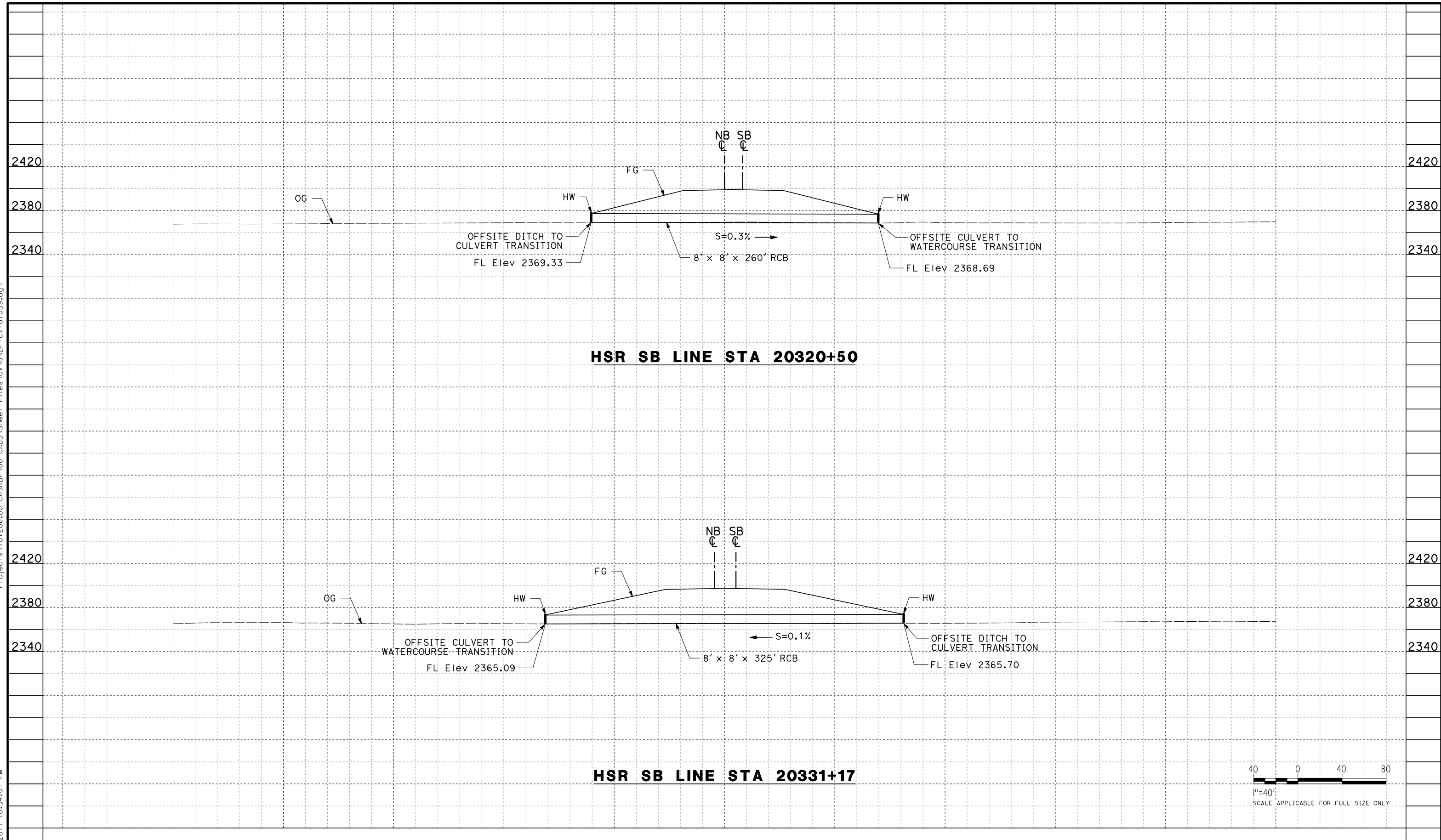
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SCALE
AS SHOWN

SHEET NO.

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DESIGNED BY
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A. CAROLINO

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G. CAMPBELL

IN CHARGE
S. SMITH

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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20320, 20331
PROFILE

CONTRACT NO.
HSR13-44

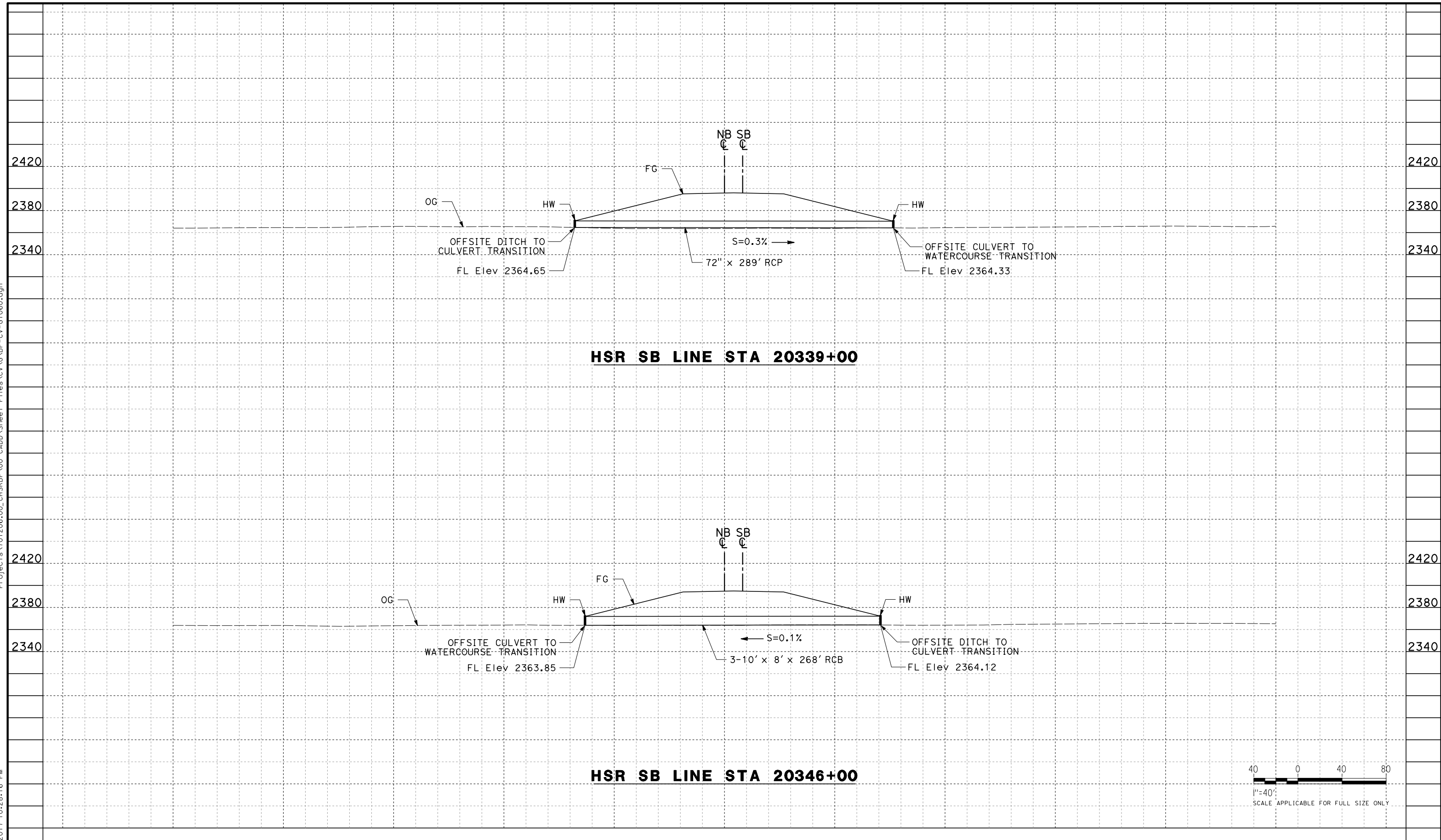
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SCALE
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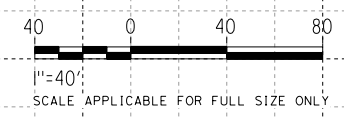
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OIC:Adodge 11/7/2017 10:28:16 PM



HSR SB LINE STA 20339+00

HSR SB LINE STA 20346+00



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A. CAROLINO
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IN CHARGE
S. SMITH
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20339, 20346
PROFILE

CONTRACT NO.
HSR13-44

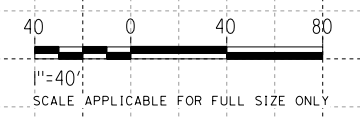
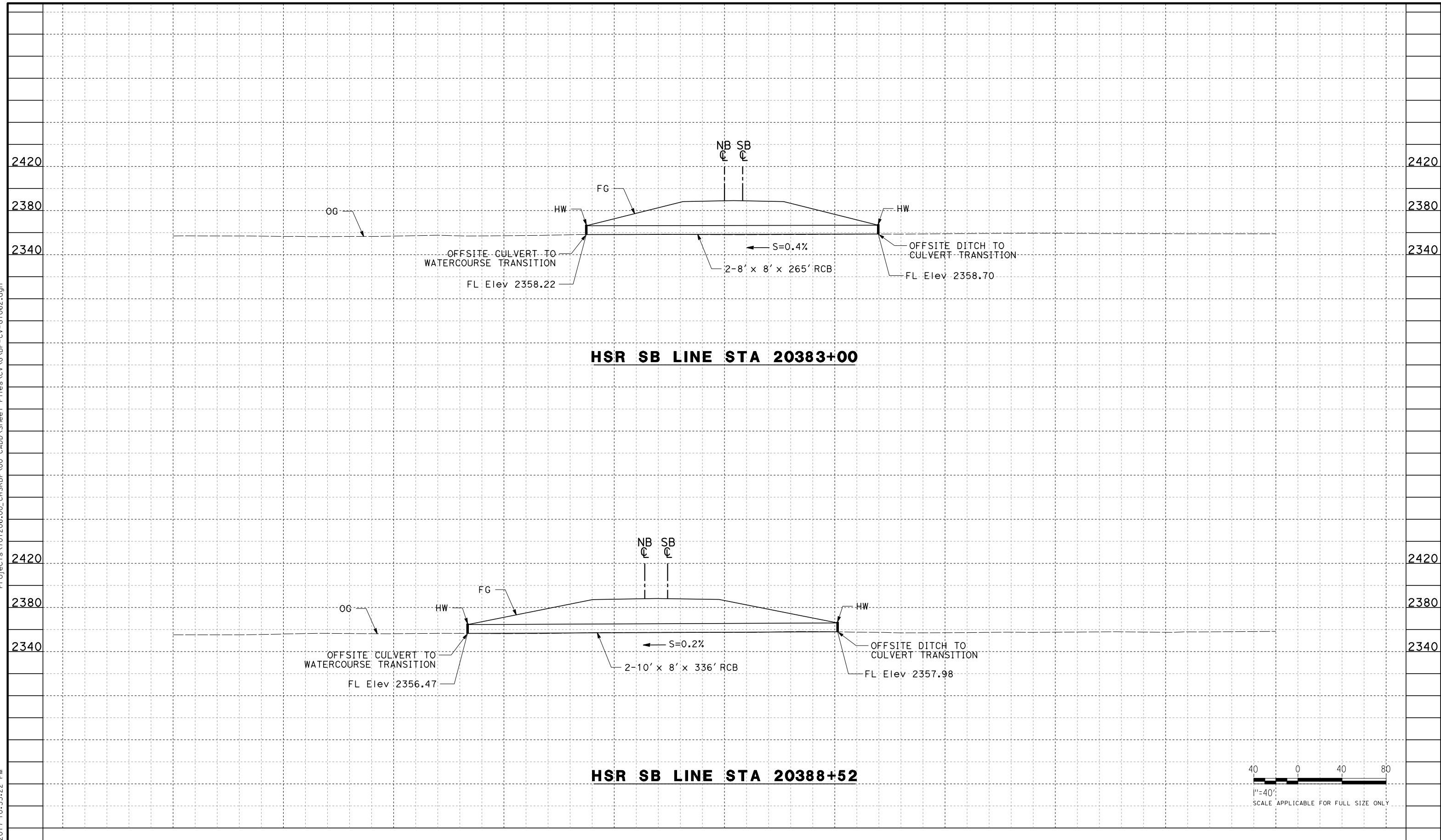
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SCALE
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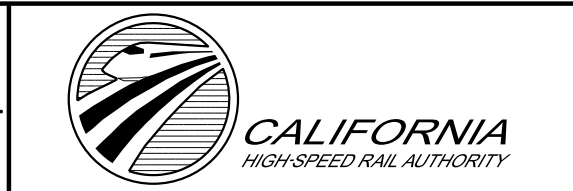
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IN CHARGE
S. SMITH

DATE
10/31/2017

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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20383, 20388
PROFILE

CONTRACT NO.
HSR13-44

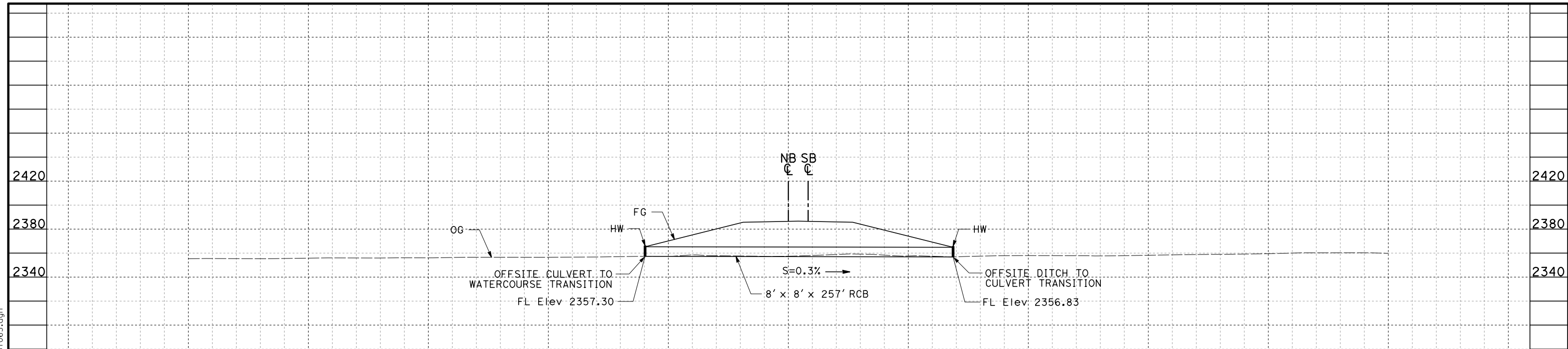
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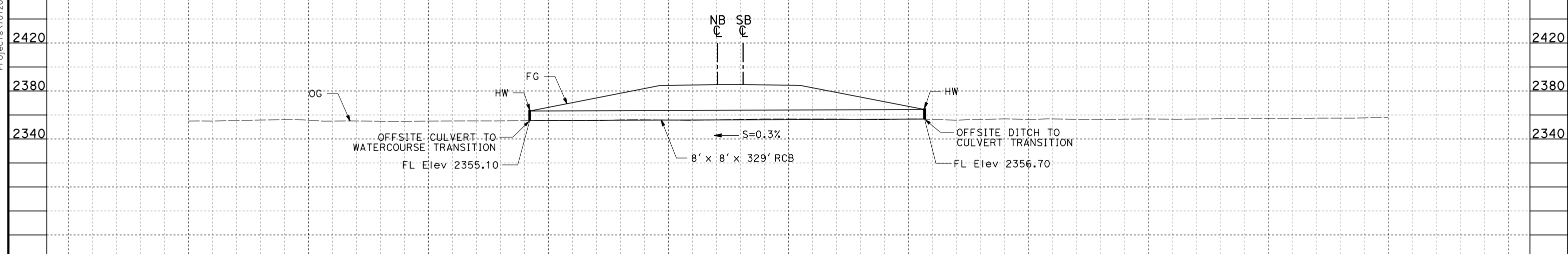
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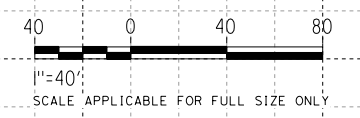
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HSR SB LINE STA 20398+00



HSR SB LINE STA 20405+08

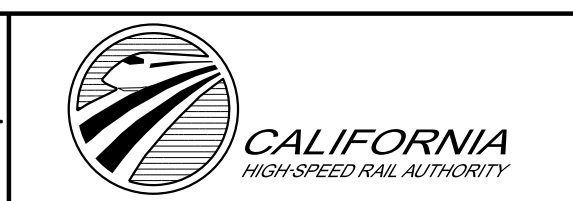


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R. KRAFT
DRAWN BY
A. CAROLINO
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

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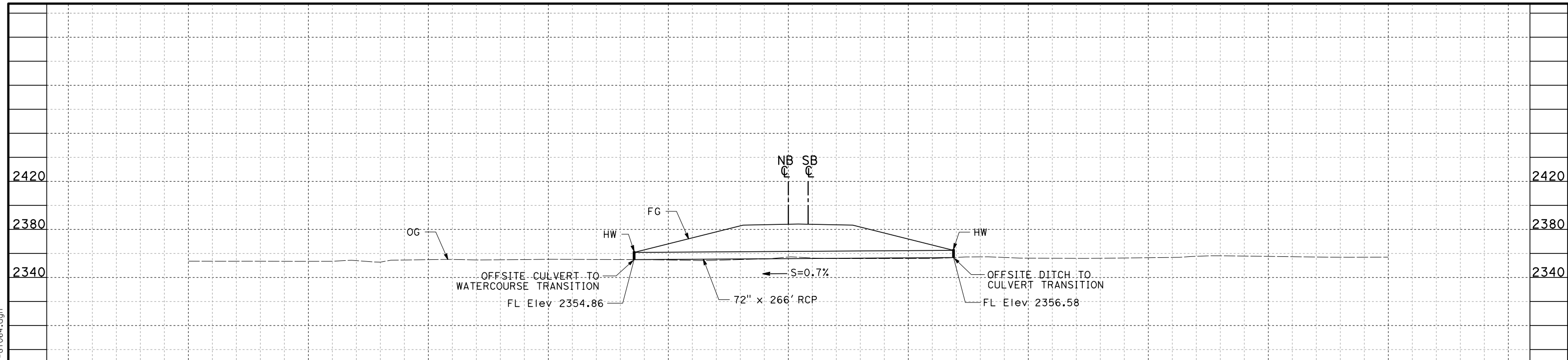
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20398, 20405
PROFILE

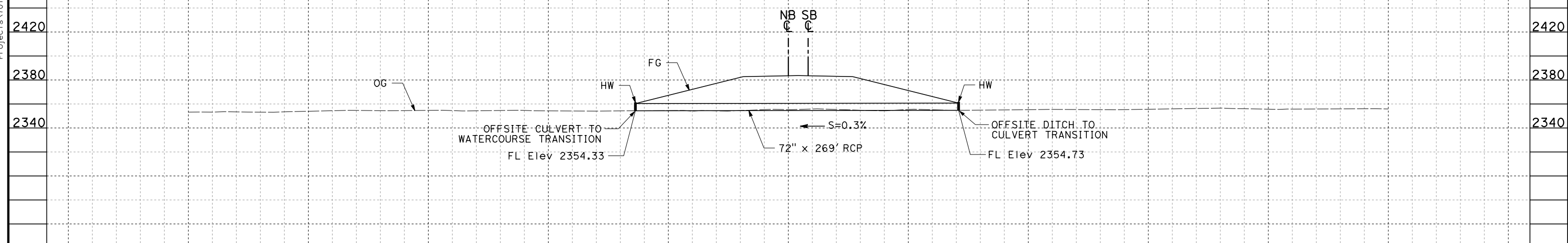
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DRAWING NO.
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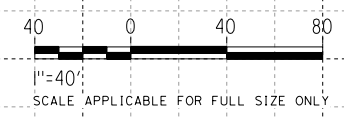
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HSR SB LINE STA 20411+50



HSR SB LINE STA 20416+50

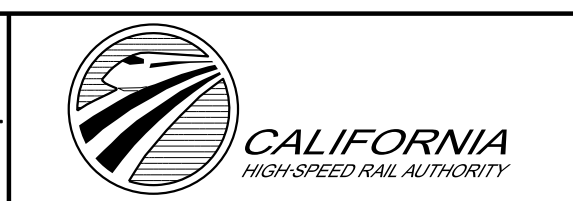


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DESIGNED BY
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A. CAROLINO
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G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

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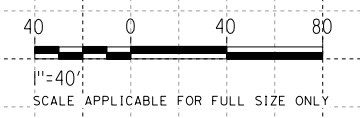
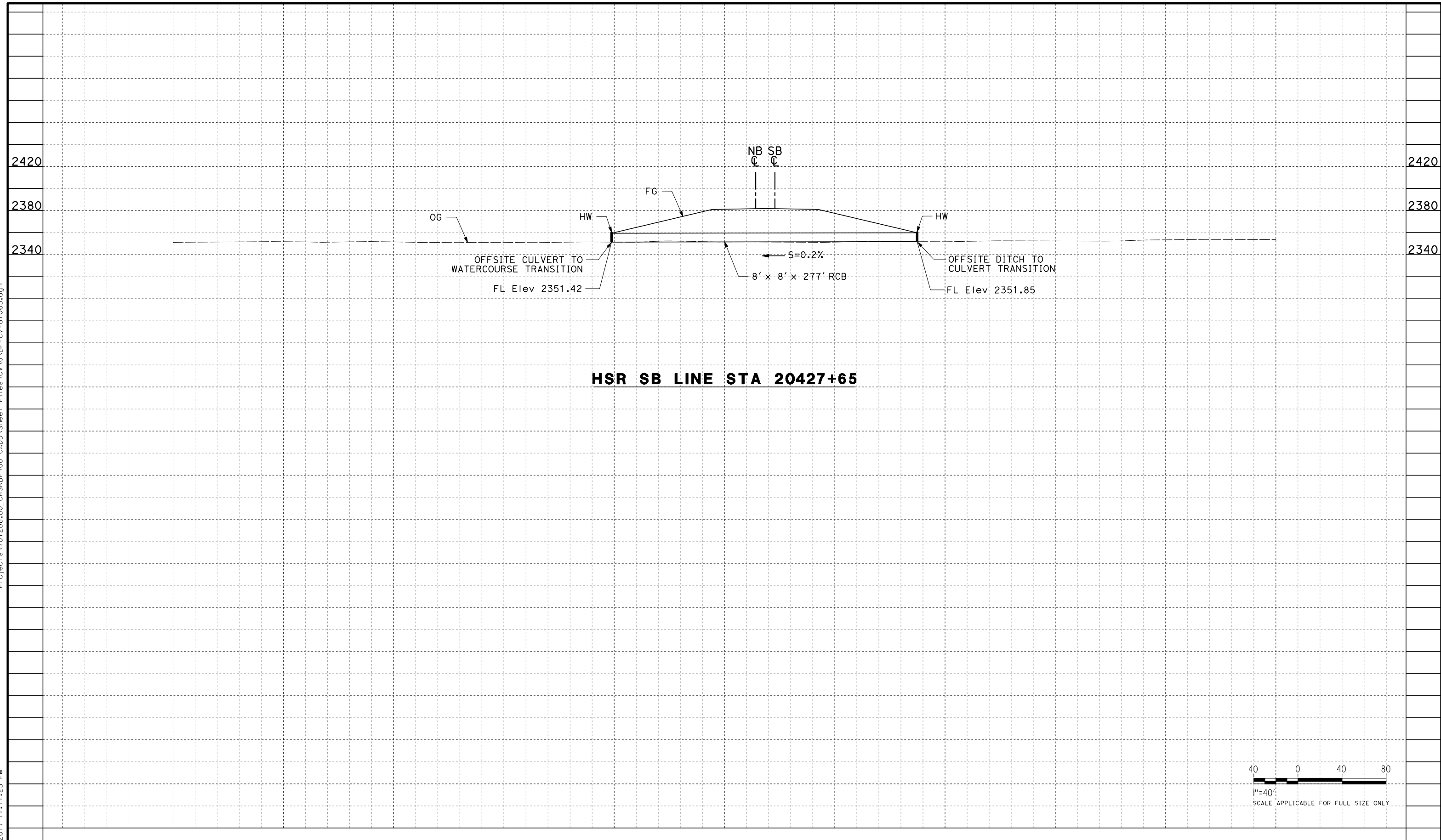
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20411, 20416
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1064
SCALE
AS SHOWN
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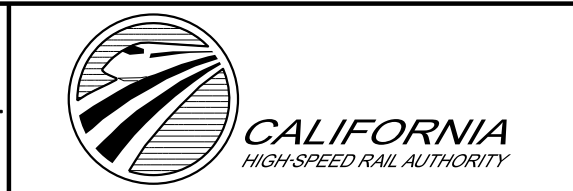


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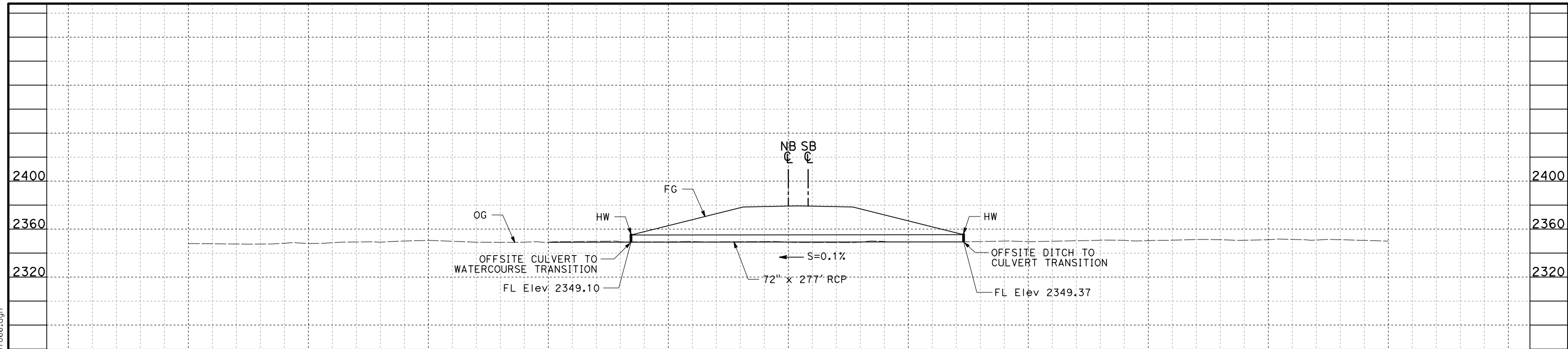
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20427
PROFILE

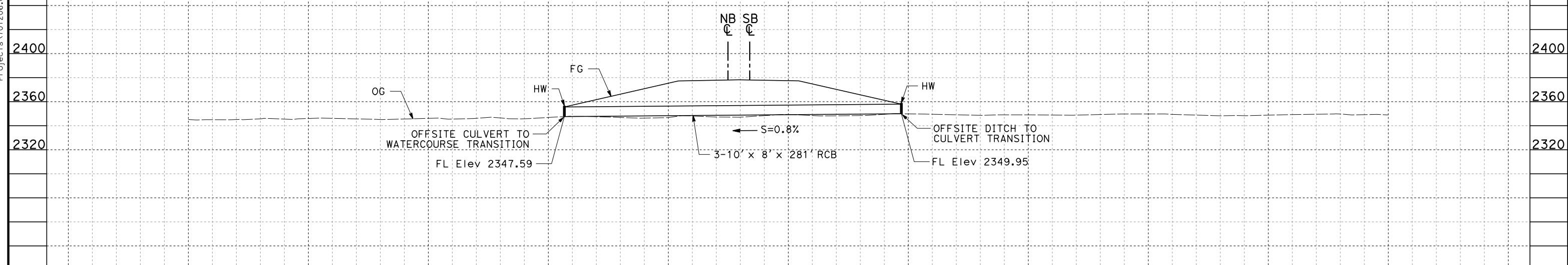
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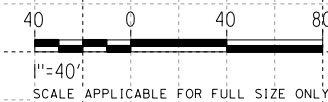
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HSR SB LINE STA 20443+50



HSR SB LINE STA 20450+75



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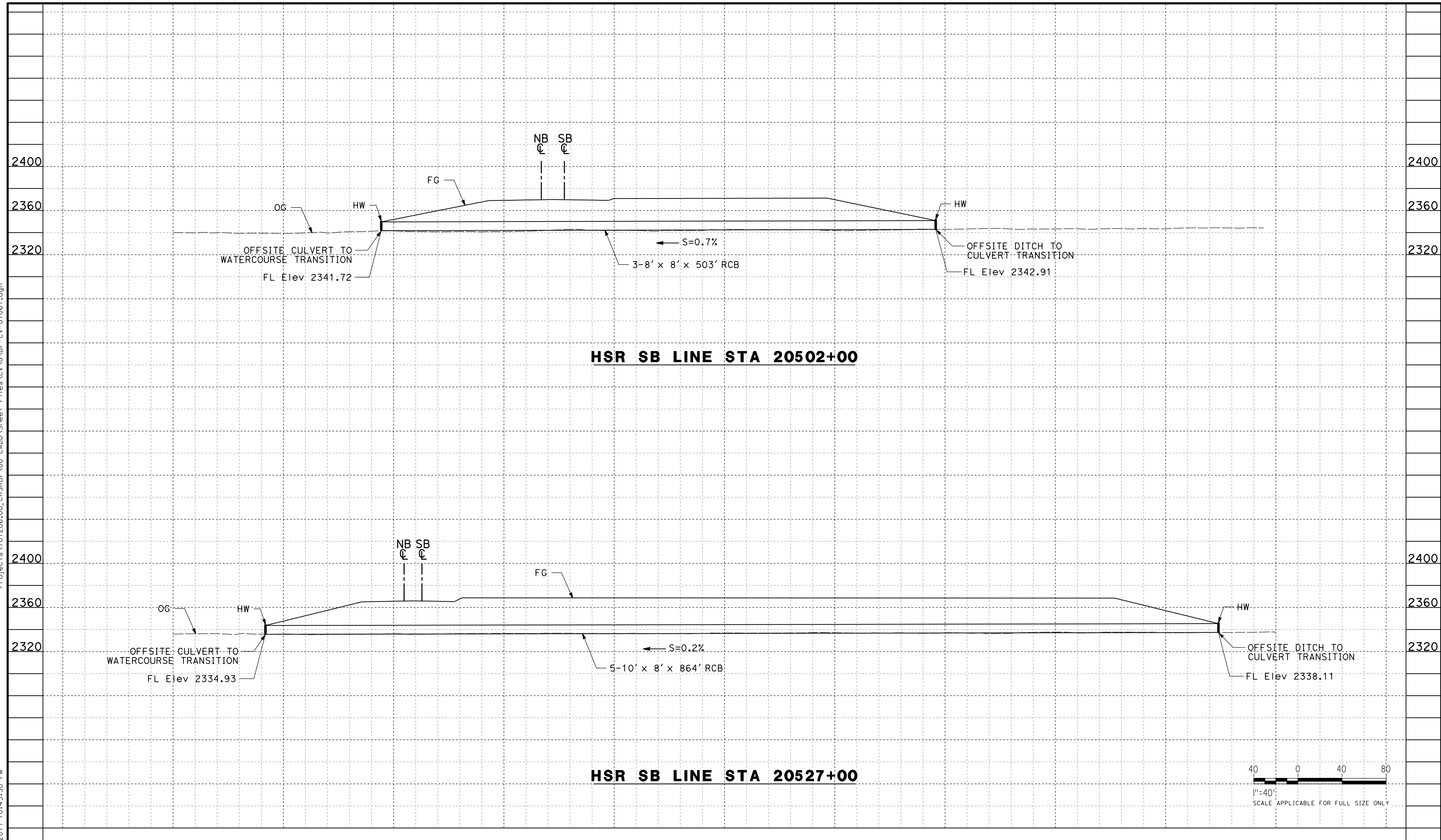
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20443, 20450
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1066
SCALE
AS SHOWN
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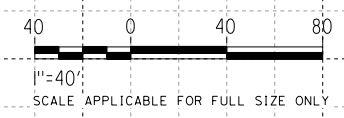
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HSR SB LINE STA 20502+00

HSR SB LINE STA 20527+00

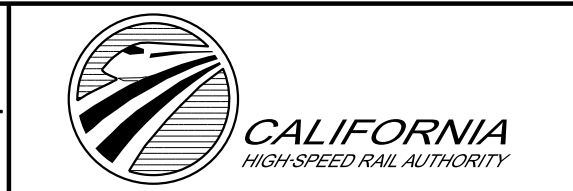


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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20502, 20527
PROFILE

CONTRACT NO.
HSR13-44

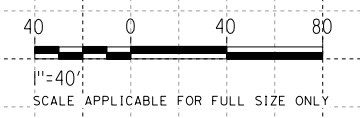
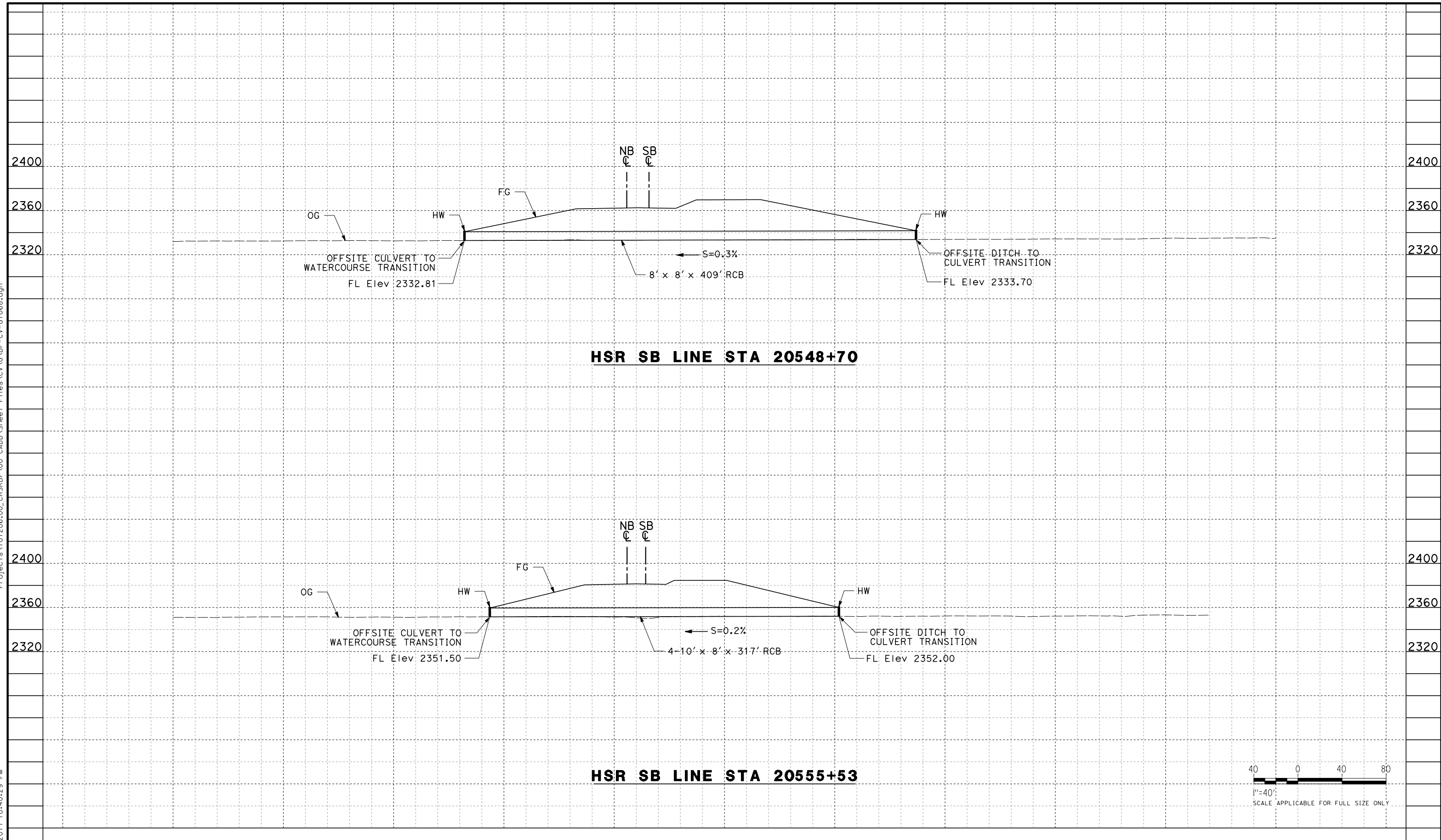
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SCALE
AS SHOWN

SHEET NO.

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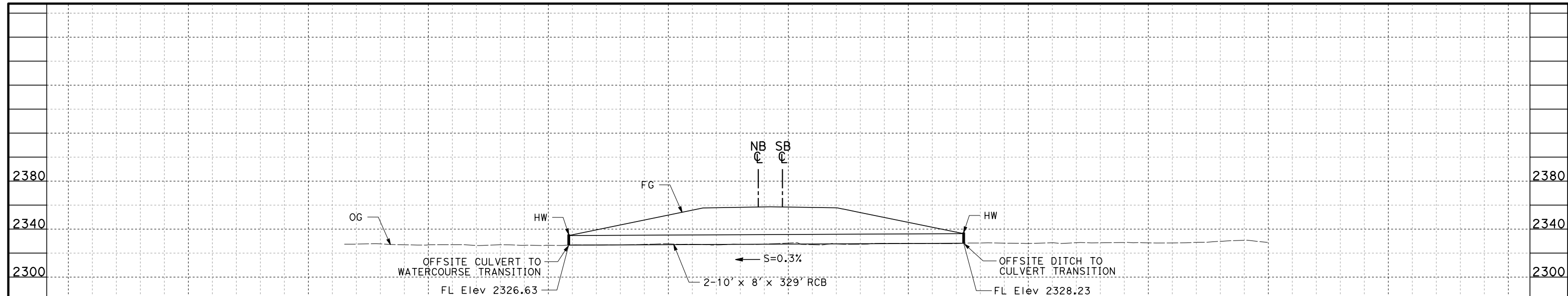
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20548, 20555
PROFILE

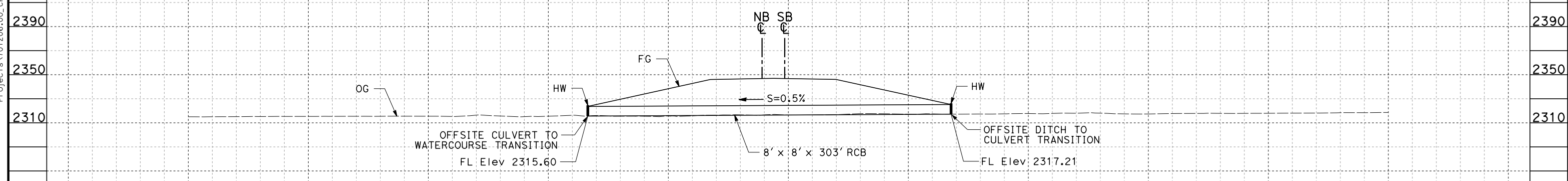
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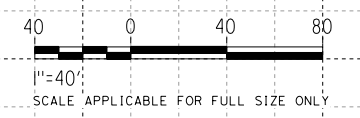
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HSR SB LINE STA 20573+30



HSR SB LINE STA 20583+47



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

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20573, 20583
PROFILE

CONTRACT NO.
HSR13-44

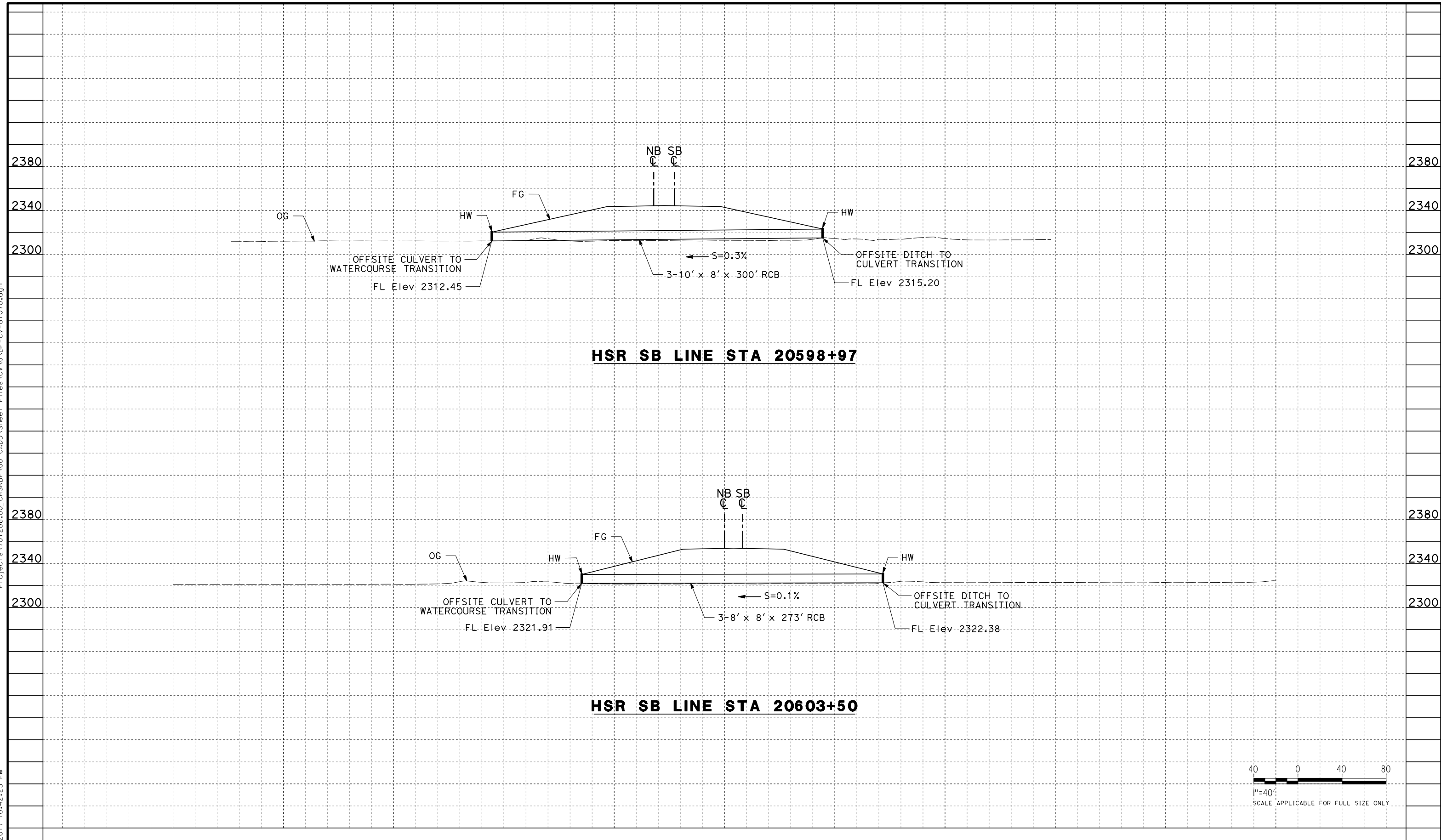
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SCALE
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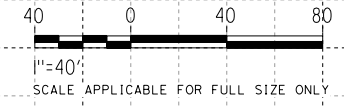
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HSR SB LINE STA 20598+97

HSR SB LINE STA 20603+50



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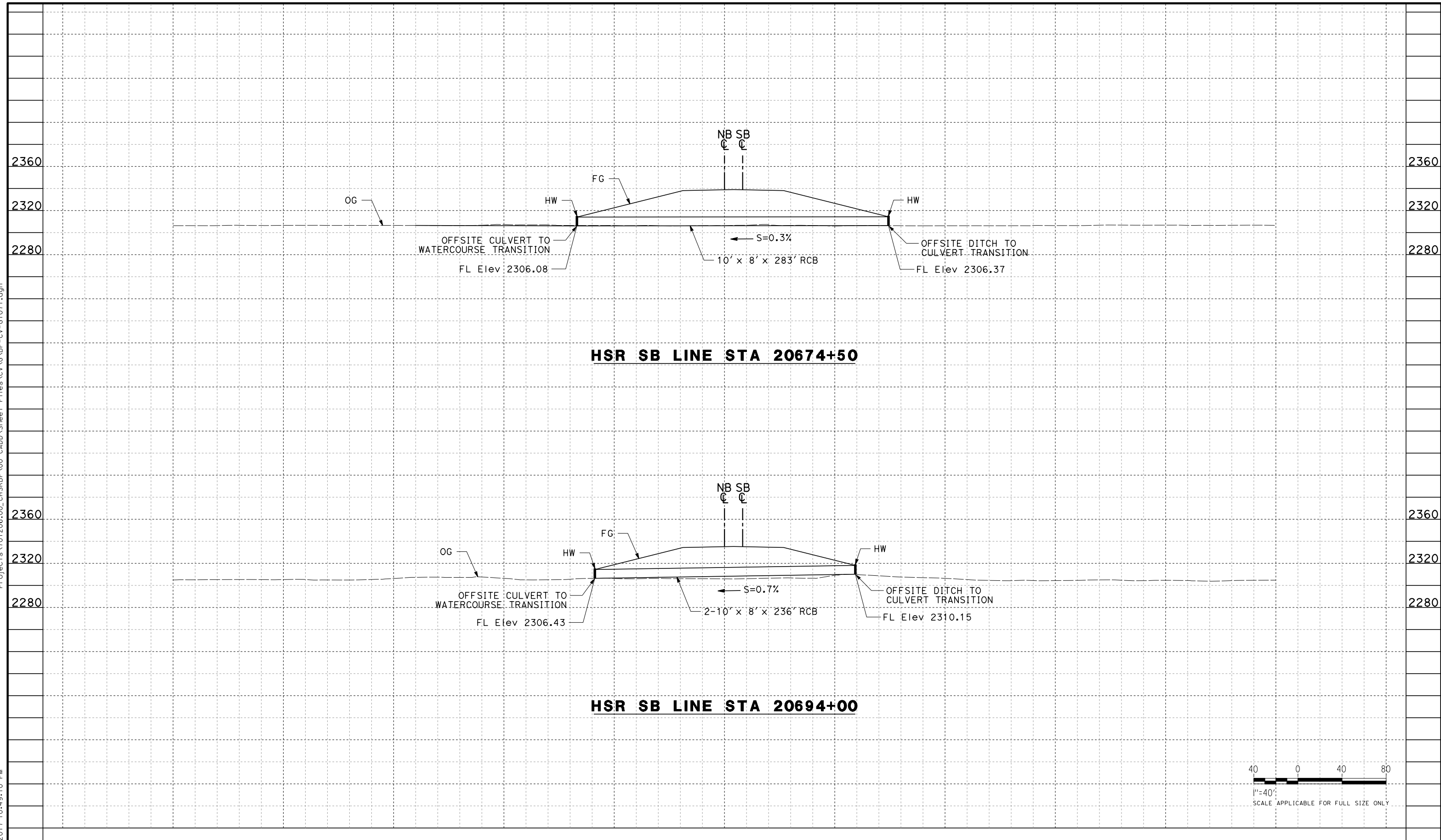
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20598, 20603
PROFILE

CONTRACT NO.
HSR13-44
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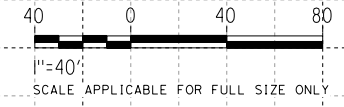
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HSR SB LINE STA 20674+50

HSR SB LINE STA 20694+00



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S. SMITH
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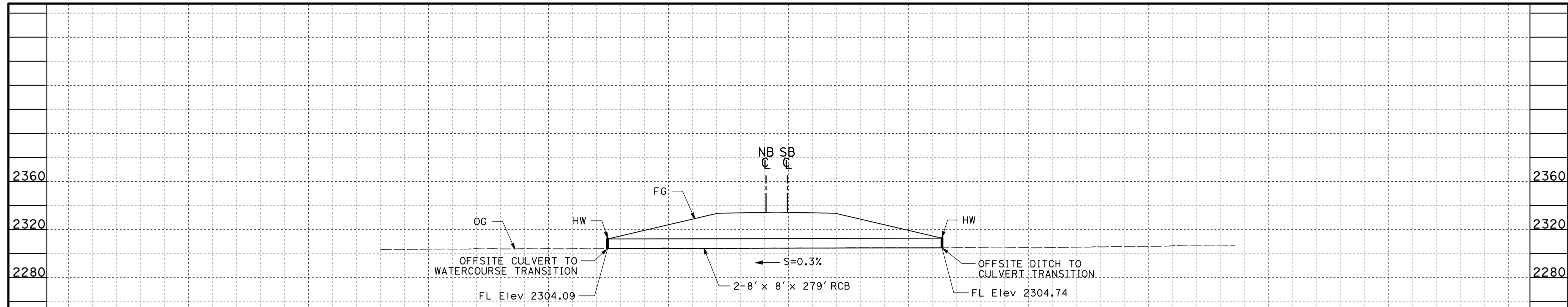
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
GRADING AND DRAINAGE
STA. 20674, 20694
PROFILE

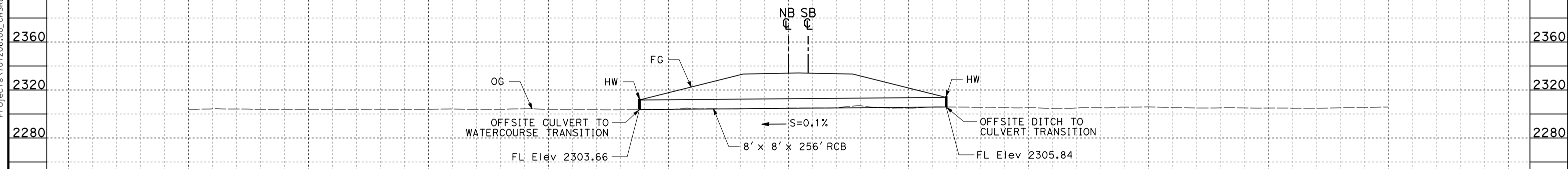
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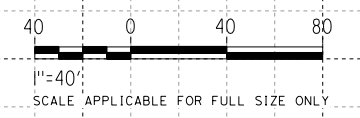
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HSR SB LINE STA 20716+15



HSR SB LINE STA 20721+00



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S. SMITH
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
GRADING AND DRAINAGE
STA. 20716, 20721
PROFILE

CONTRACT NO.
HSR13-44

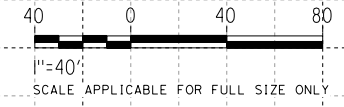
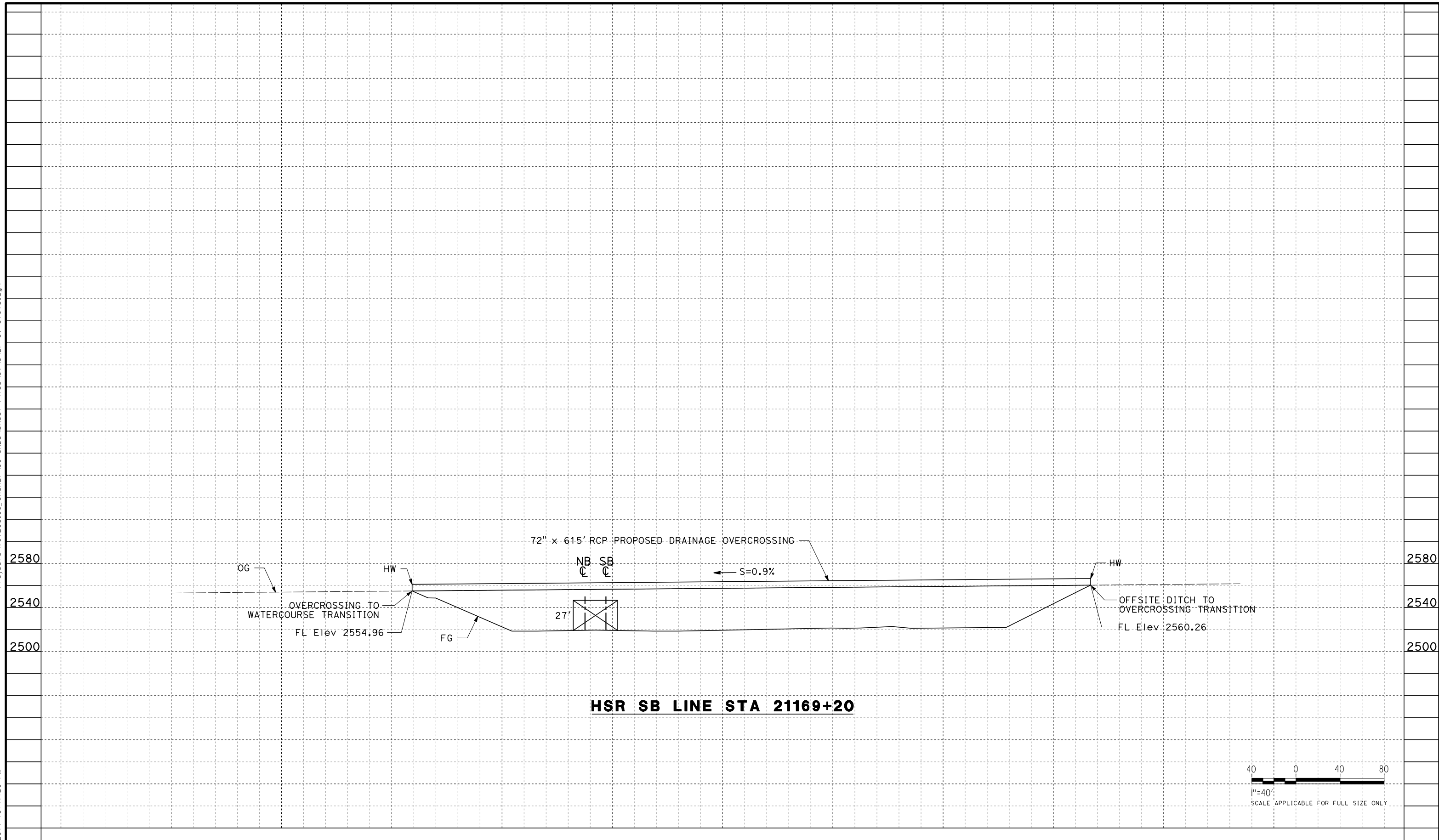
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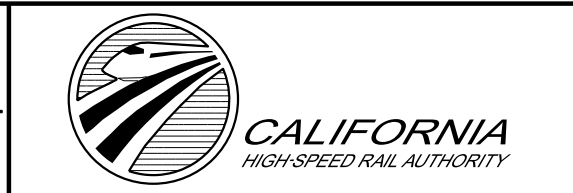


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DESIGNED BY
R. KRAFT
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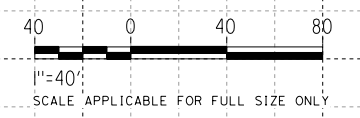
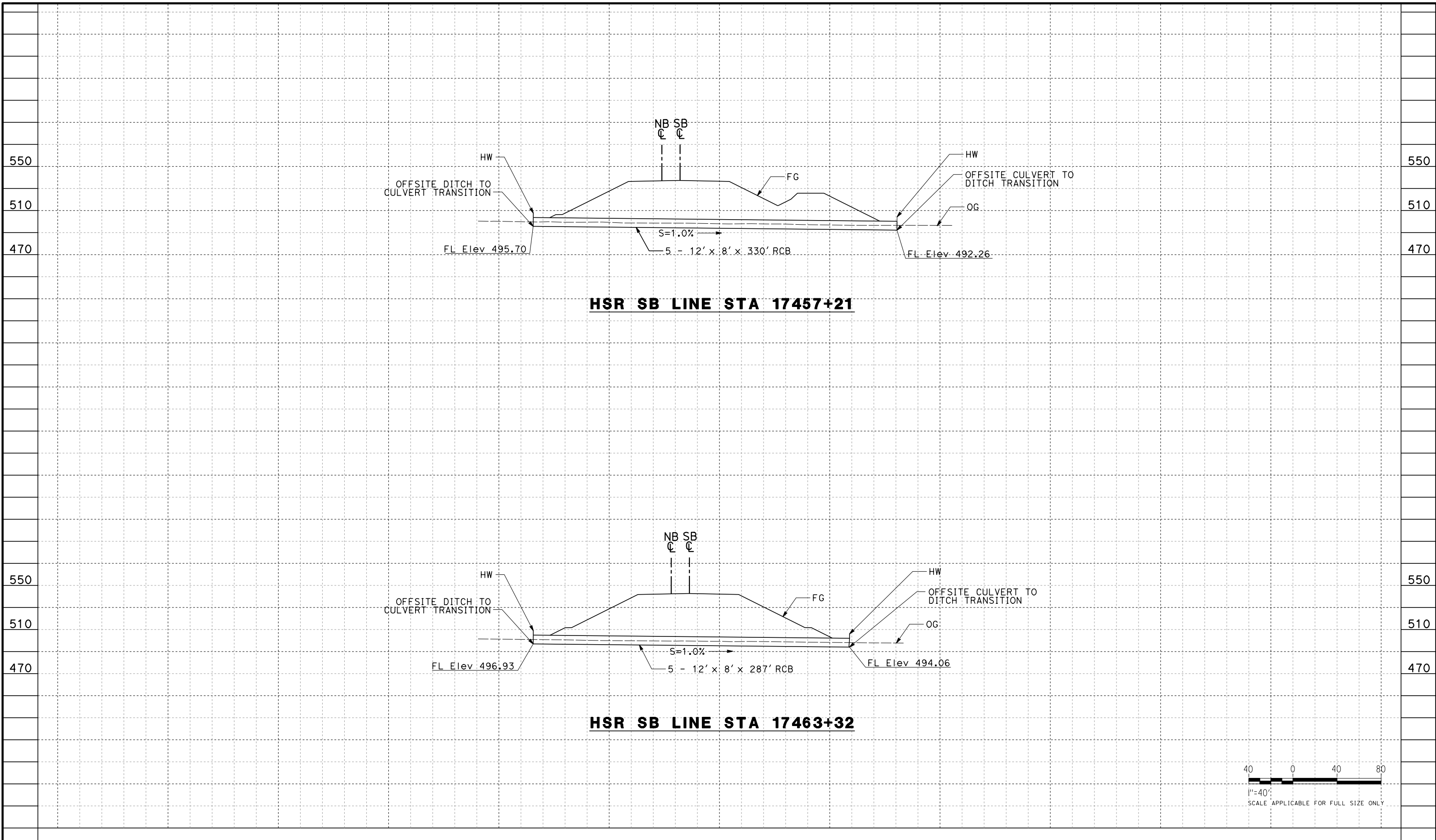
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
GRADING AND DRAINAGE
STA. 21169
PROFILE

CONTRACT NO.
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DRAWING NO.
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SCALE
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S. SMITH
DATE
10/31/2017

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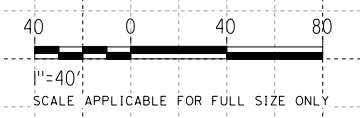
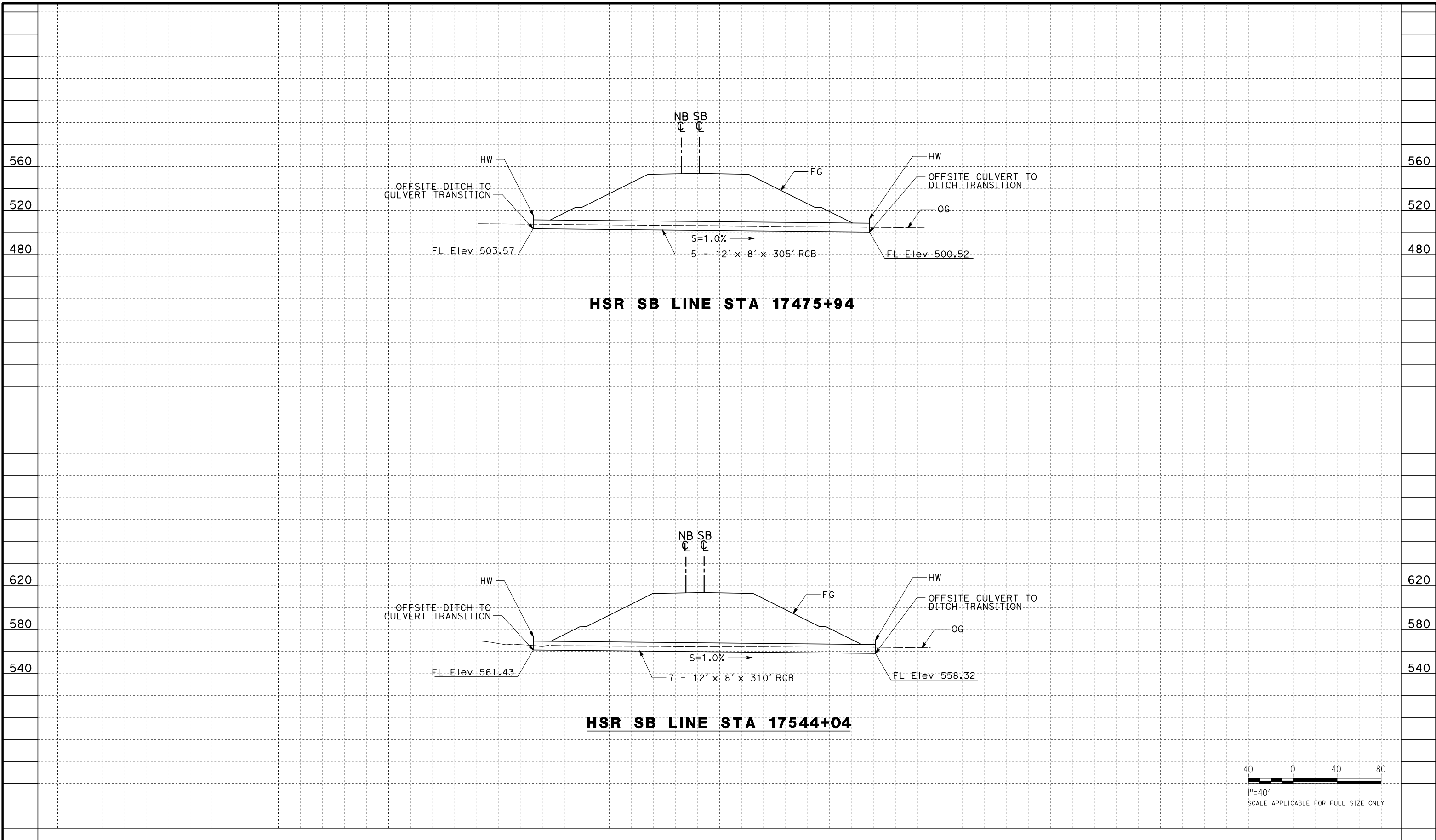
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
GRADING AND DRAINAGE
STA. 17457, 17463
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
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SCALE
AS SHOWN
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
GRADING AND DRAINAGE
STA. 17475, 17544
PROFILE

CONTRACT NO.
HSR13-44

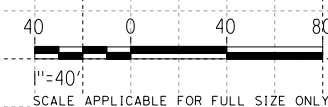
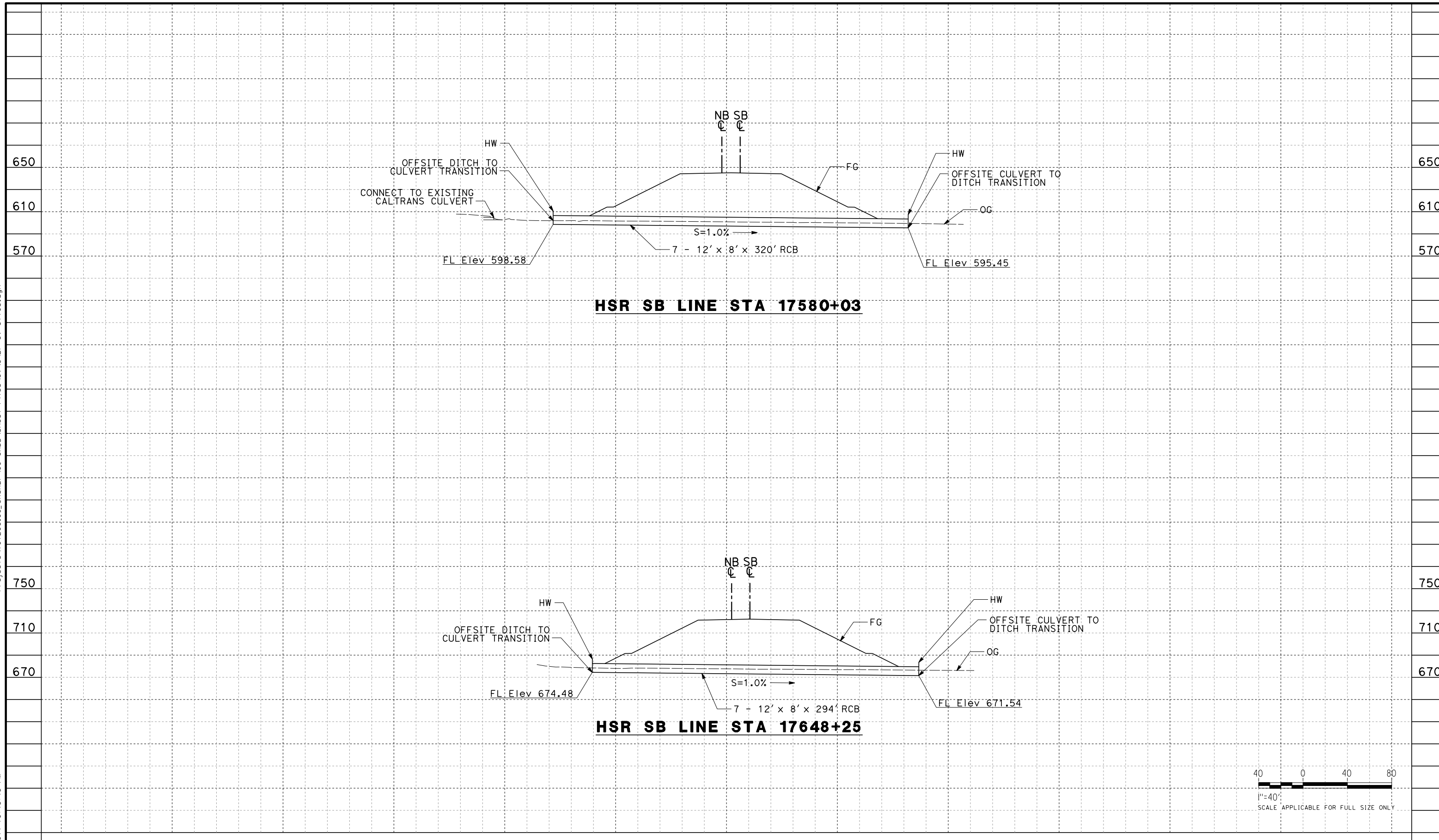
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
GRADING AND DRAINAGE
STA. 17580, 17648
PROFILE

CONTRACT NO.
HSR13-44

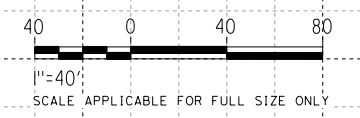
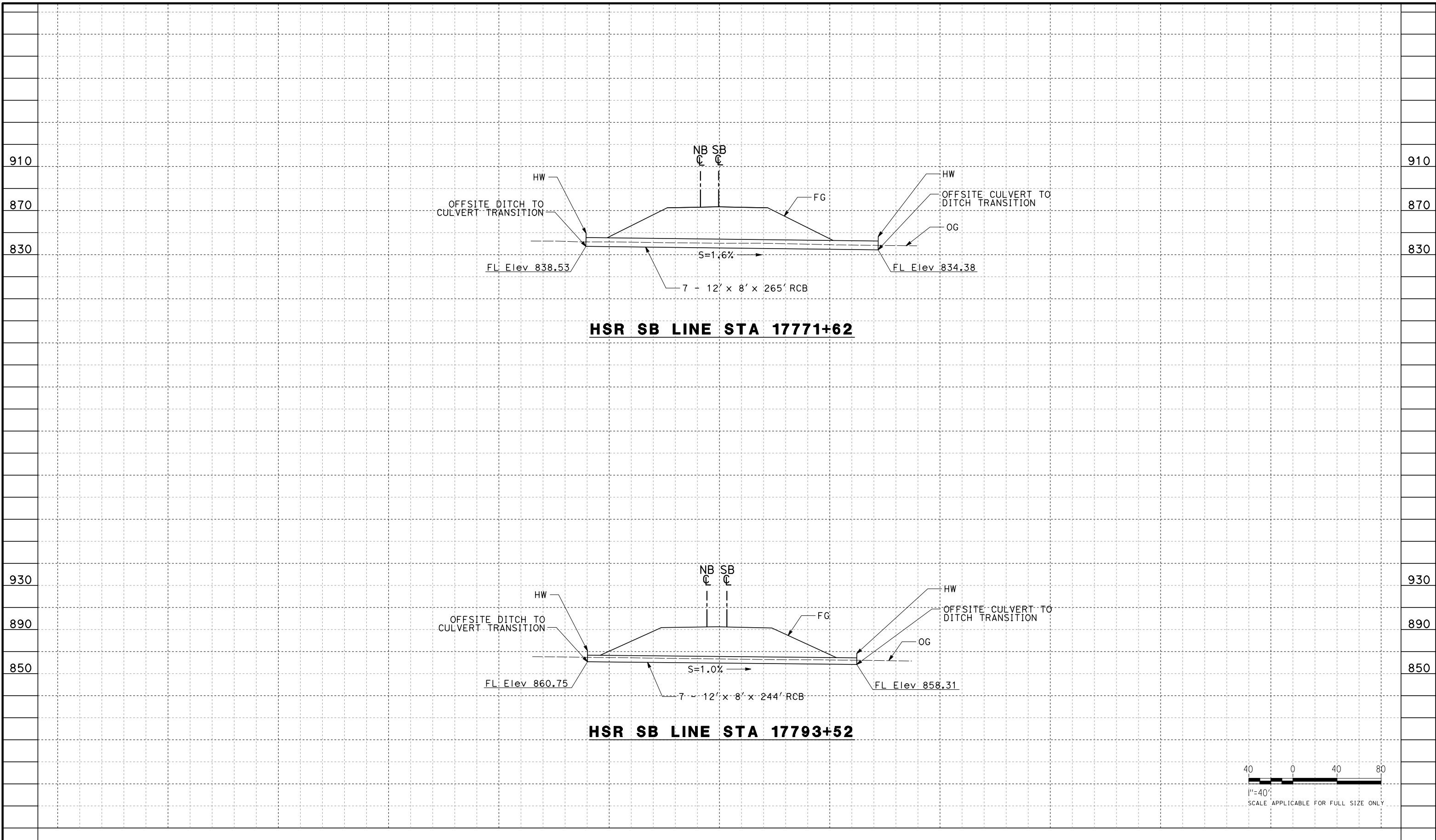
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
GRADING AND DRAINAGE
STA. 17771, 17793
PROFILE

CONTRACT NO.
HSR13-44

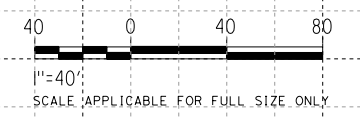
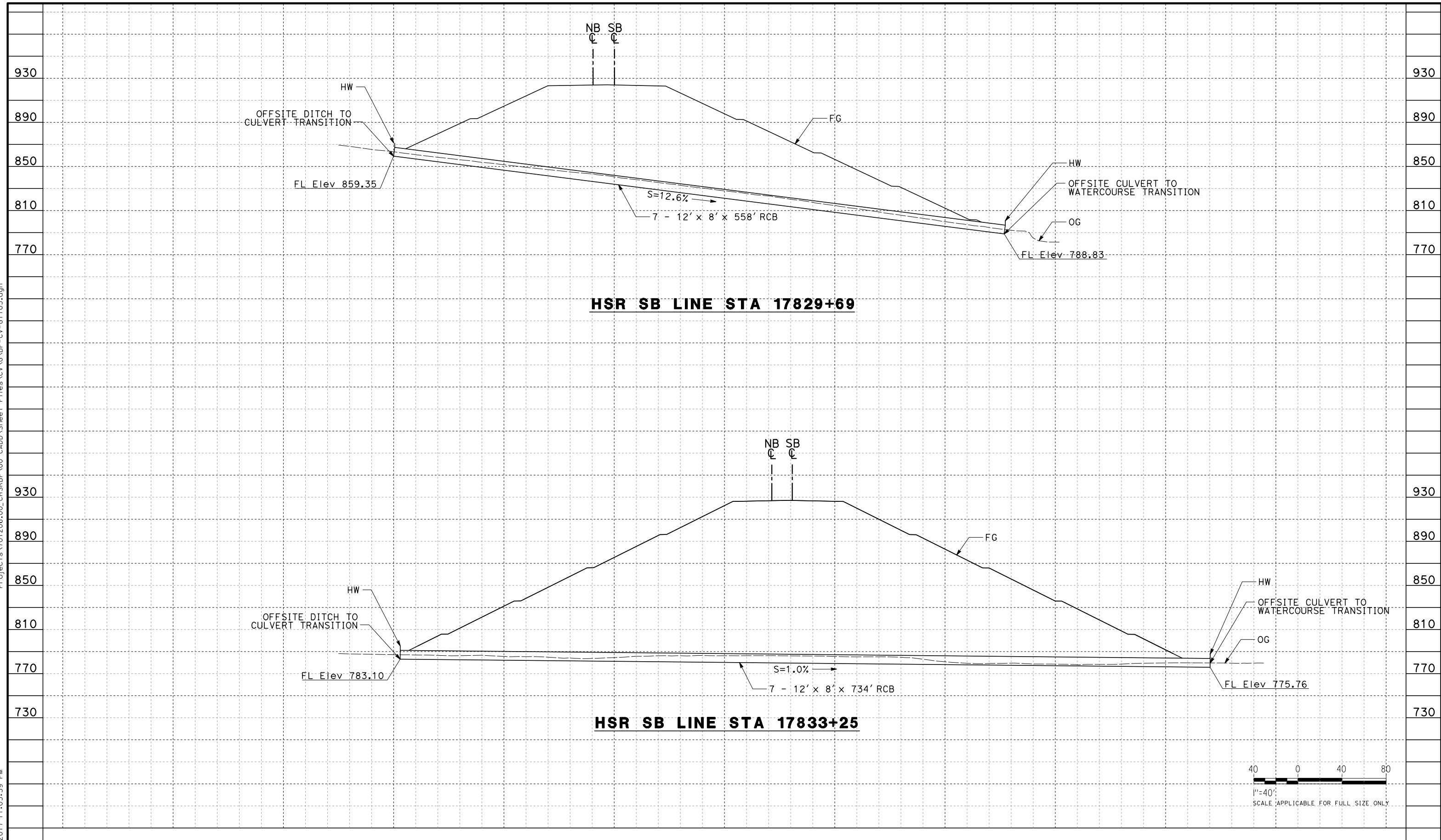
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
GRADING AND DRAINAGE
STA. 17828, 17833
PROFILE

CONTRACT NO.
HSR13-44

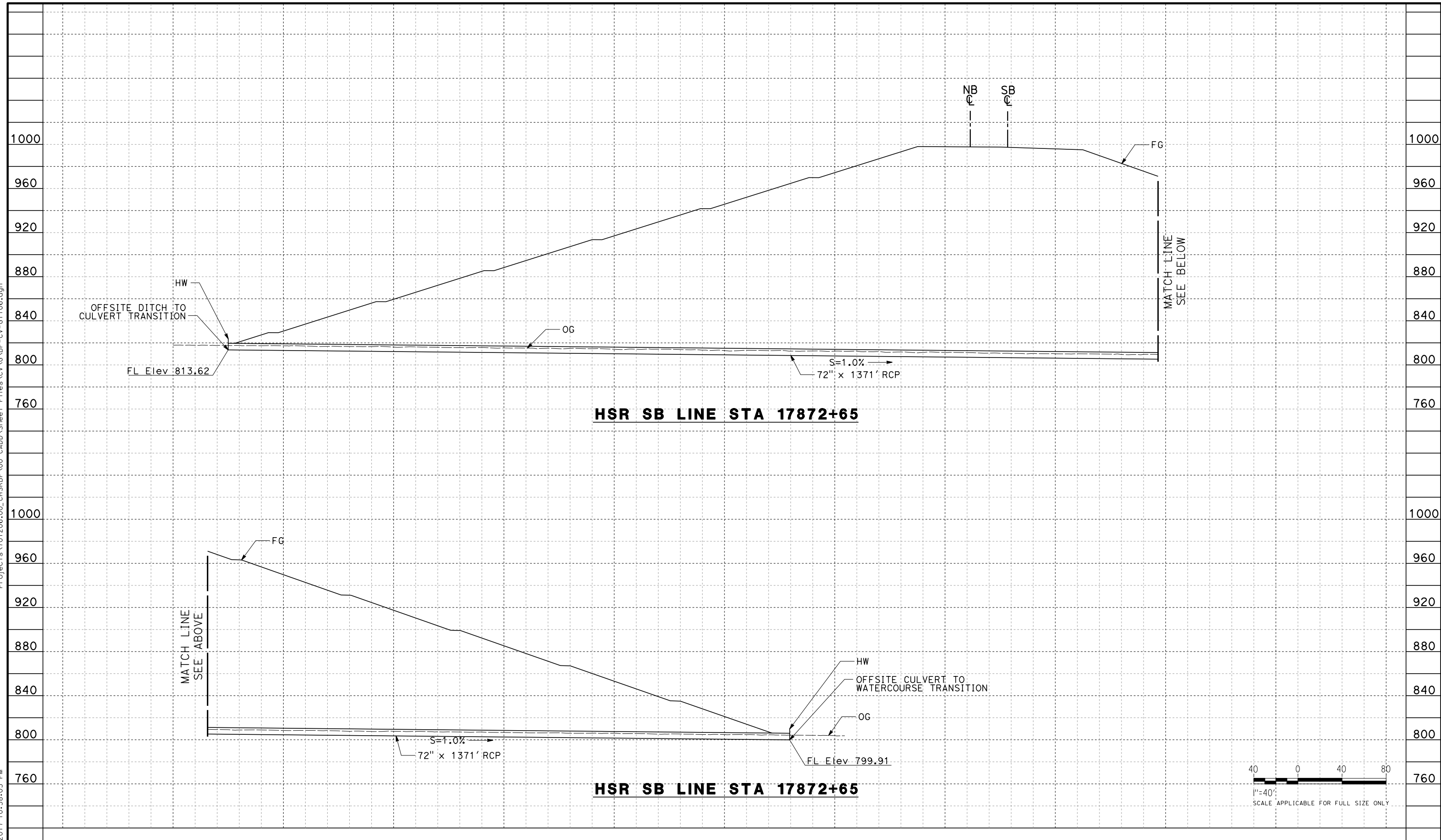
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CONSTRUCTION**



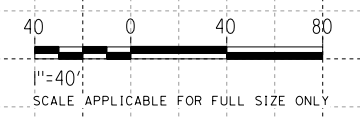
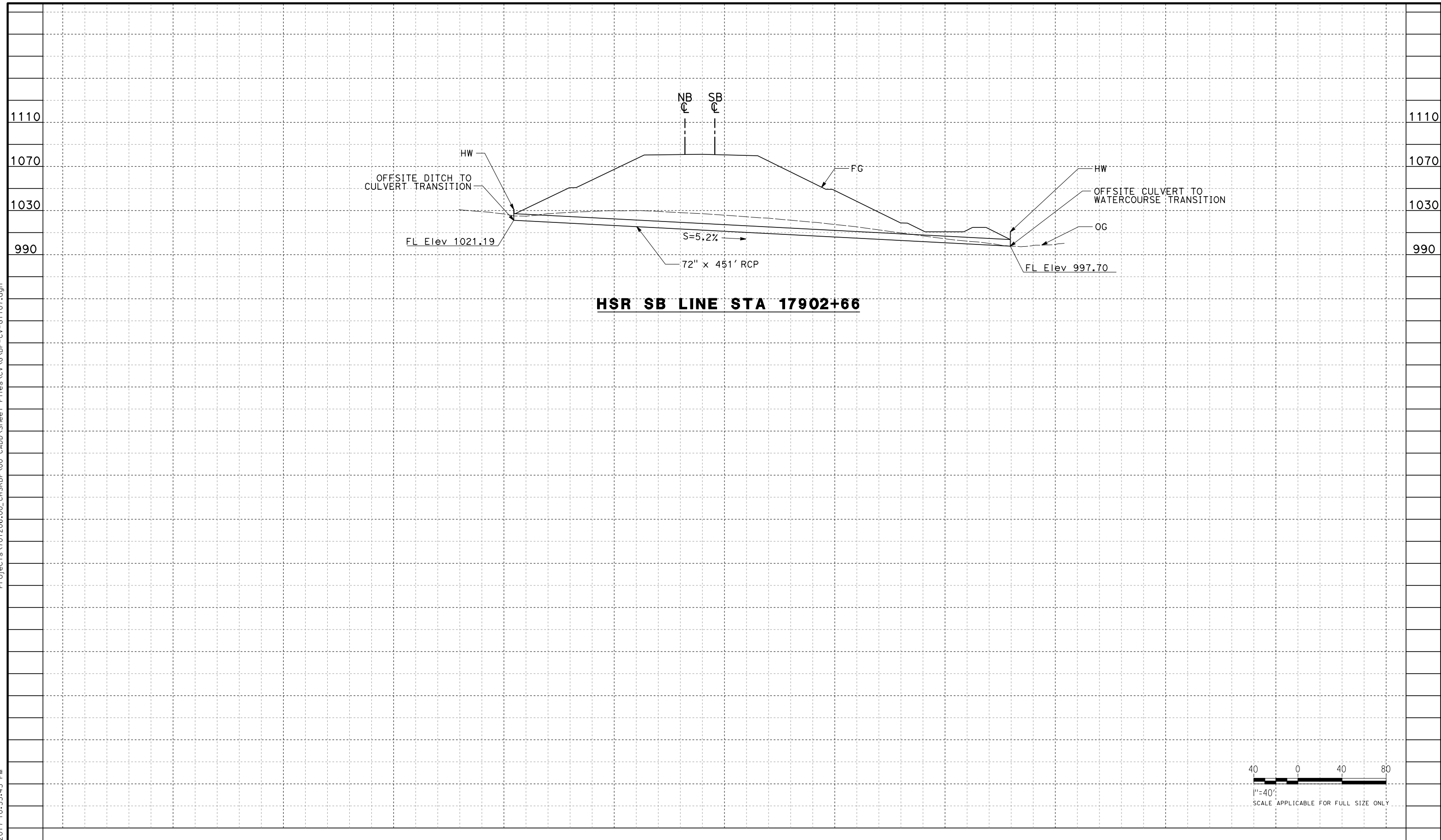
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
GRADING AND DRAINAGE
STA. 17872
PROFILE

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

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1107.dgn

OIC:Adodge 11/7/2017 10:53:43 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**



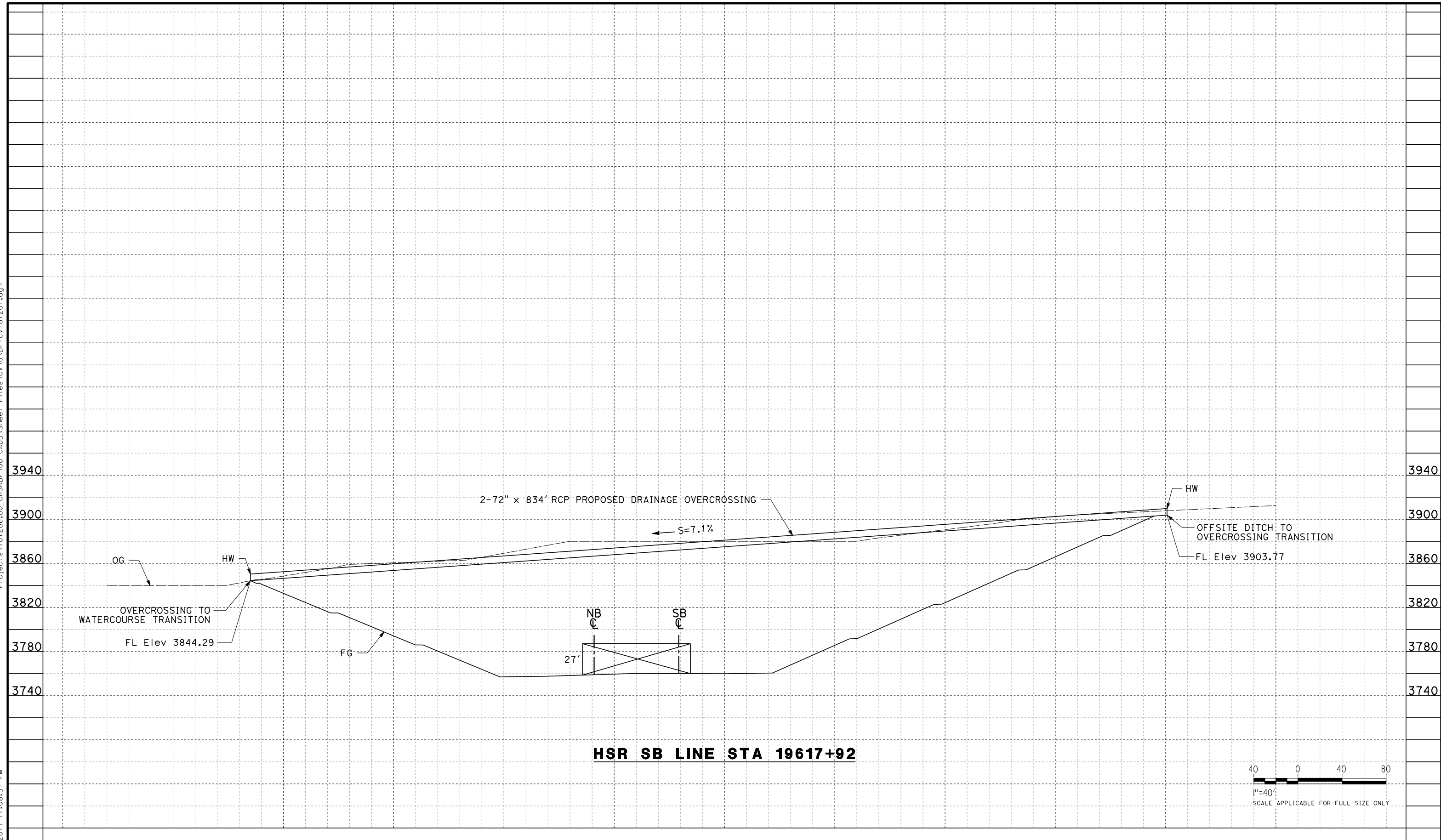
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
GRADING AND DRAINAGE
STA. 17902
PROFILE

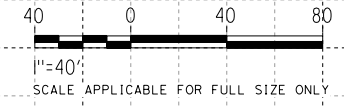
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HSR13-44
DRAWING NO.
CV-G1107
SCALE
AS SHOWN
SHEET NO.

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OIC:Adodge 11/7/2017 11:08:57 PM



HSR SB LINE STA 19617+92



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**



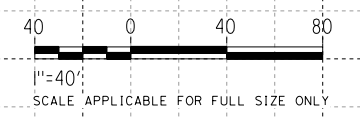
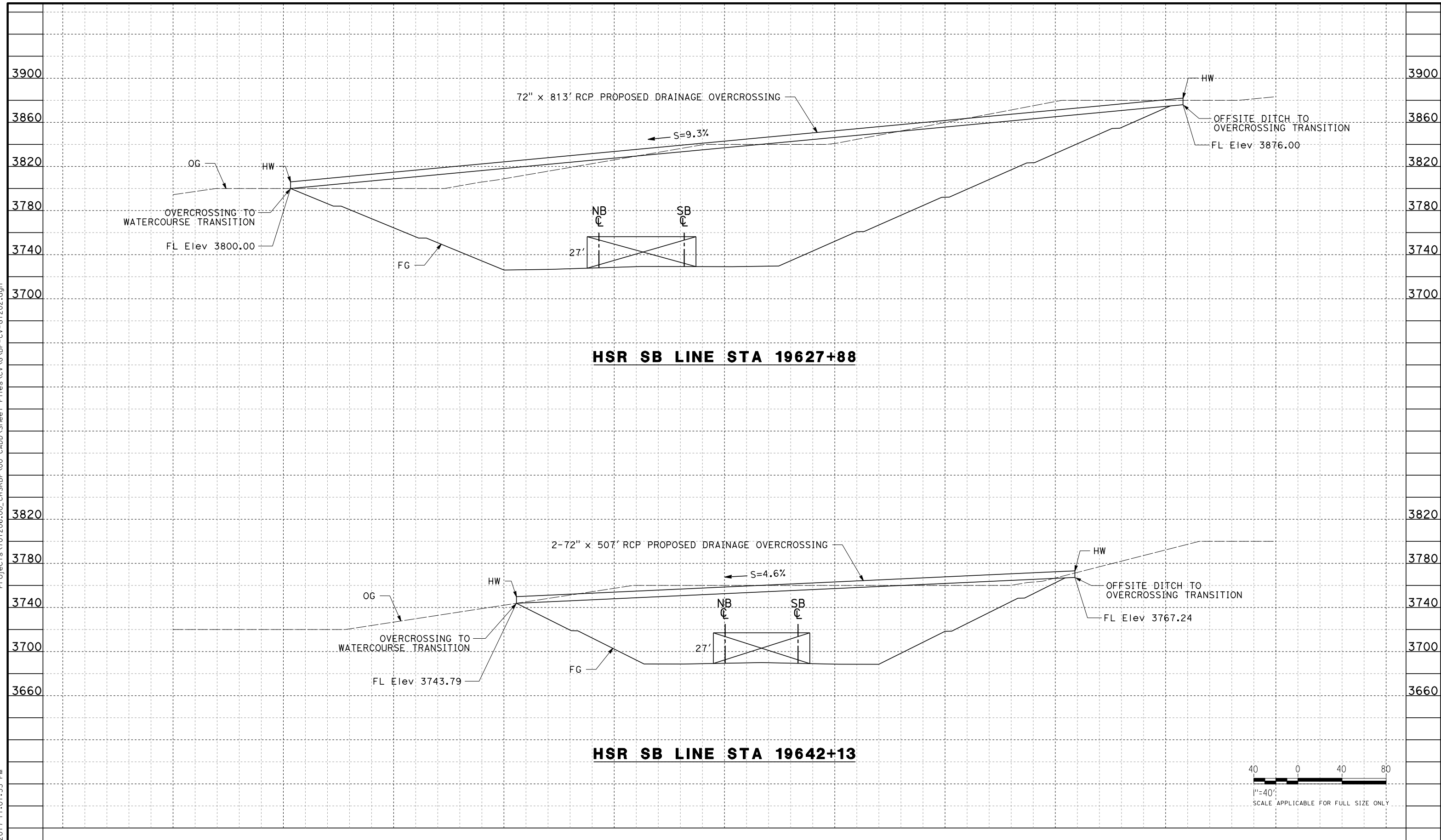
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
GRADING AND DRAINAGE
STA. 19617
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1201
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1202.dgn

OIC:Adodge 11/7/2017 11:01:33 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT

DRAWN BY
A. CAROLINO

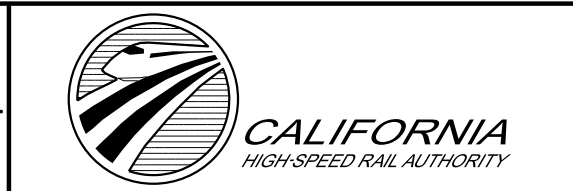
CHECKED BY
G. CAMPBELL

IN CHARGE
S. SMITH

DATE
10/31/2017

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PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 3
GRADING AND DRAINAGE
STA. 19627, 19642
PROFILE

CONTRACT NO.
HSR13-44

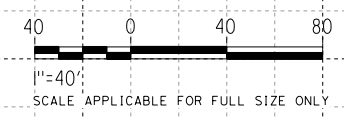
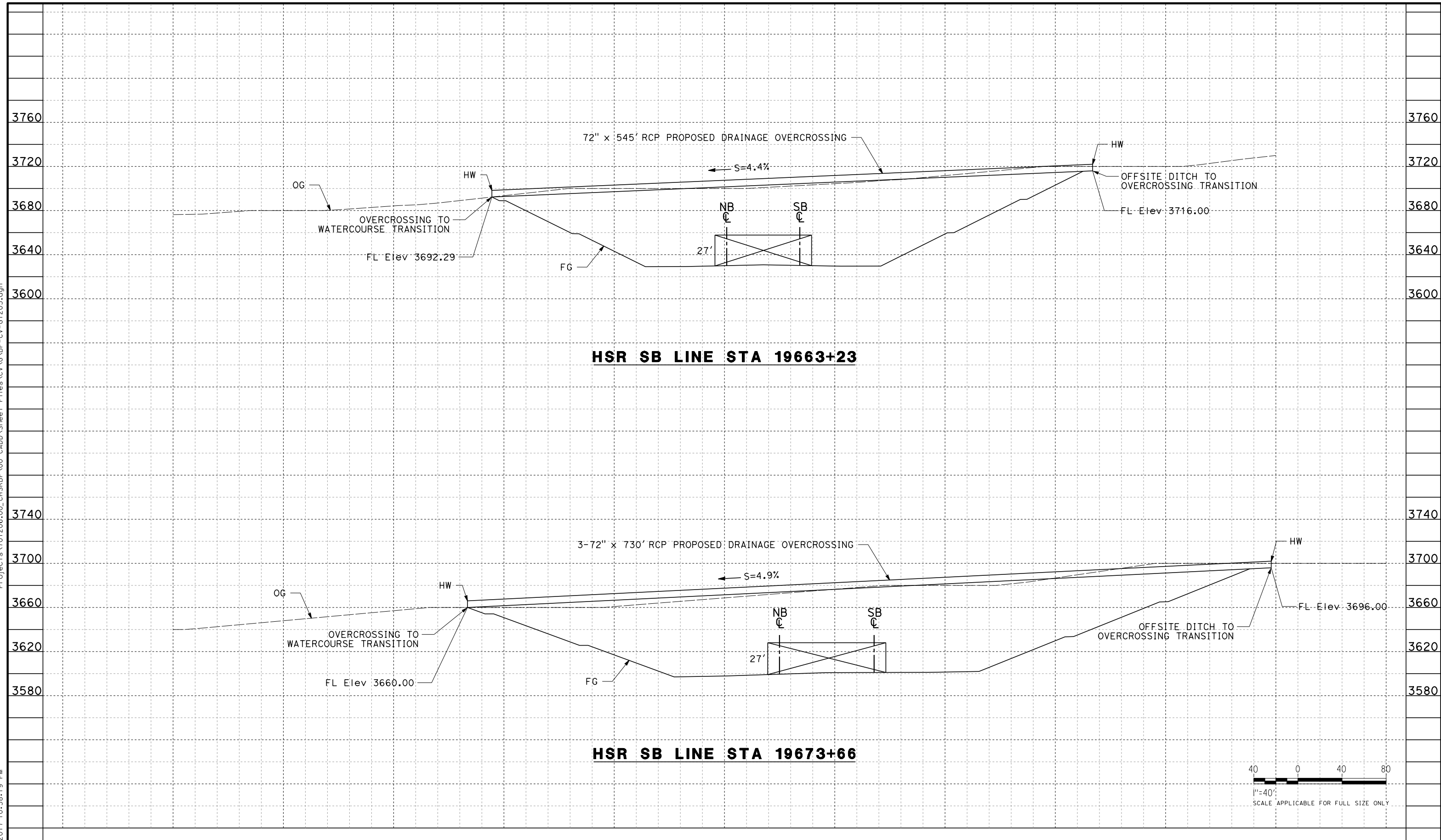
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CV-G1202

SCALE
AS SHOWN

SHEET NO.

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OIC:Adodge 11/7/2017 10:58:19 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



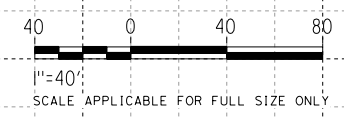
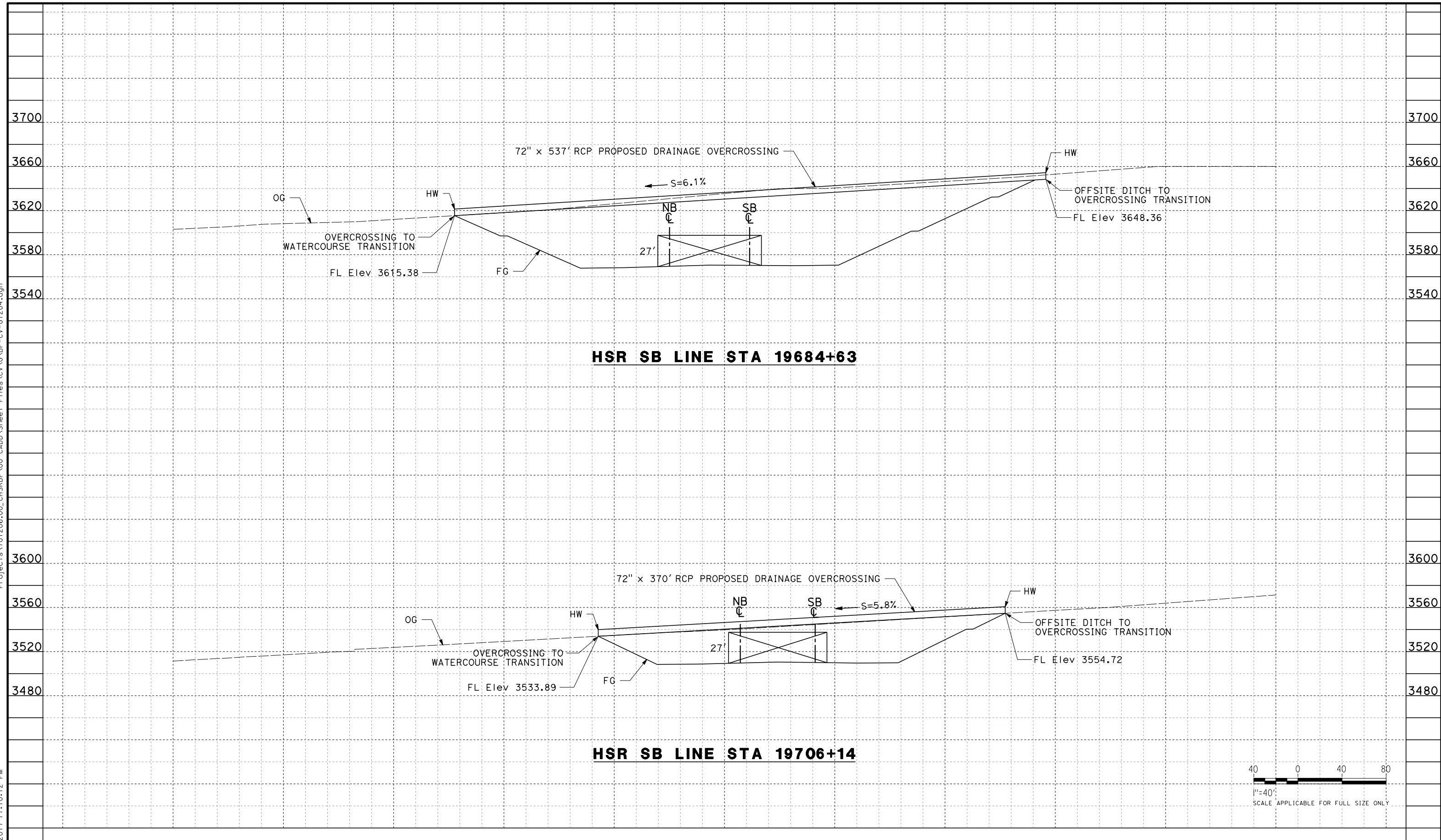
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
GRADING AND DRAINAGE
STA. 19663, 19673
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1203
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1204.dgn

OIC:Adodge 11/7/2017 11:10:12 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. KRAFT

DRAWN BY
A. CAROLINO

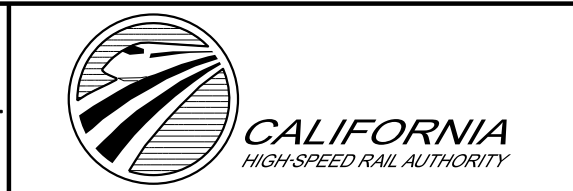
CHECKED BY
G. CAMPBELL

IN CHARGE
S. SMITH

DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

ALTERNATIVE 3
GRADING AND DRAINAGE
STA. 19684, 19706
PROFILE

CONTRACT NO.
HSR13-44

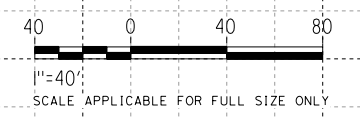
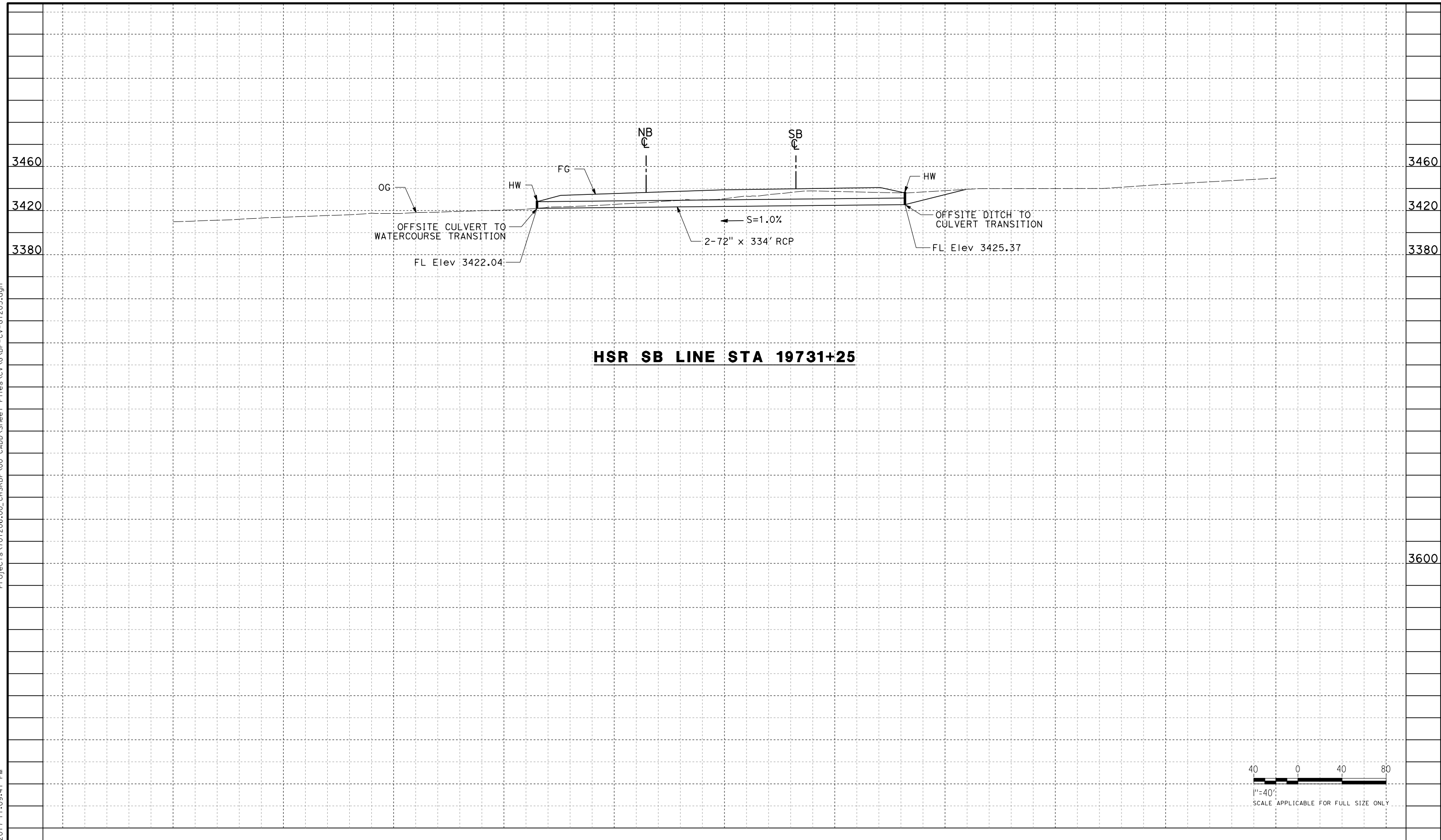
DRAWING NO.
CV-G1204

SCALE
AS SHOWN

SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\CV\G\BP-CV-G1205.dgn

OIC:Adodge 11/7/2017 11:09:41 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

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PEPD
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CONSTRUCTION**



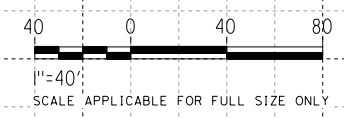
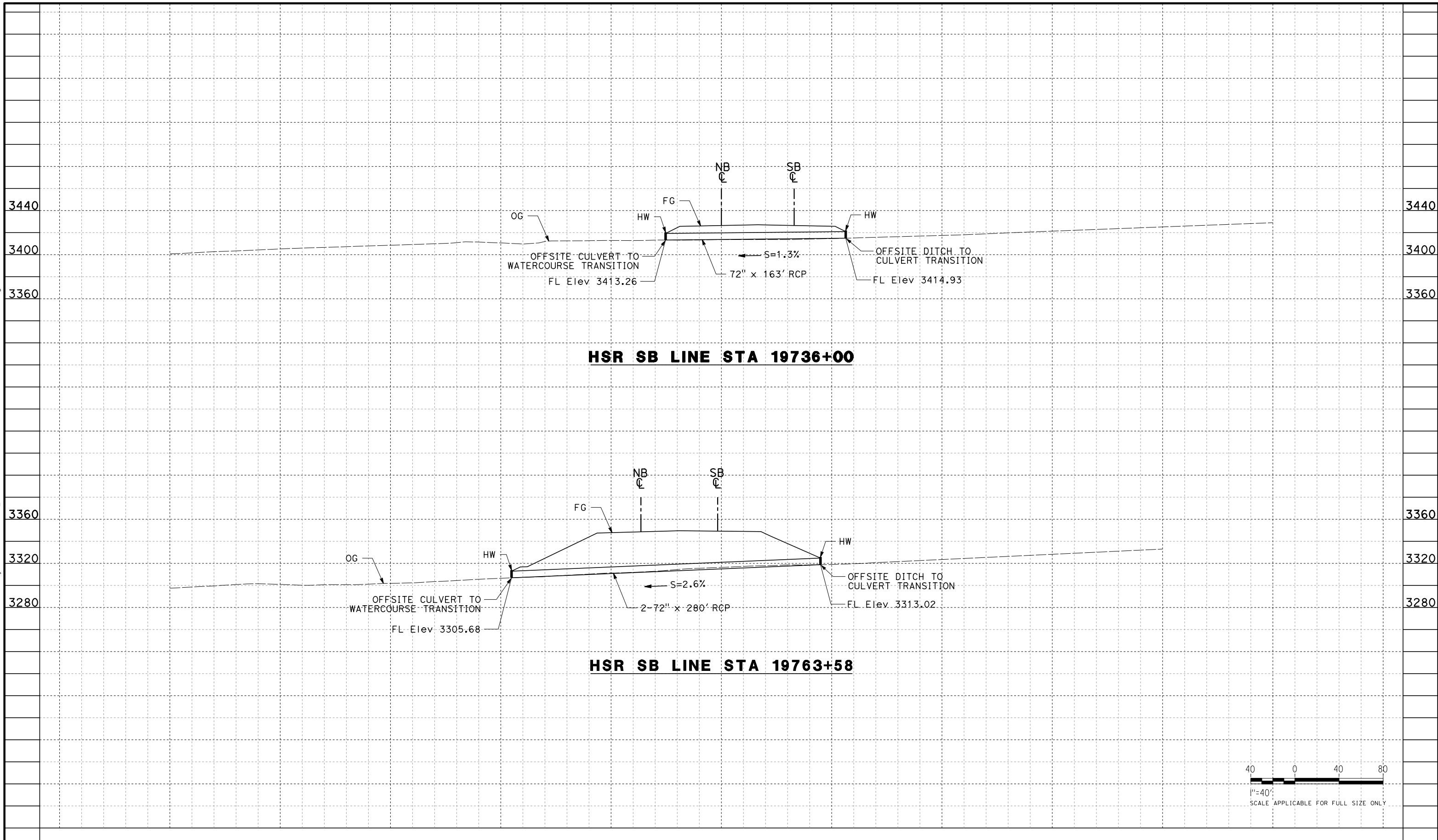
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
GRADING AND DRAINAGE
STA. 19731
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1205
SCALE
AS SHOWN
SHEET NO.

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

OIC:Adodge 11/7/2017 10:59:19 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
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**NOT FOR
 CONSTRUCTION**



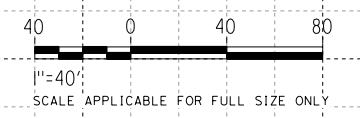
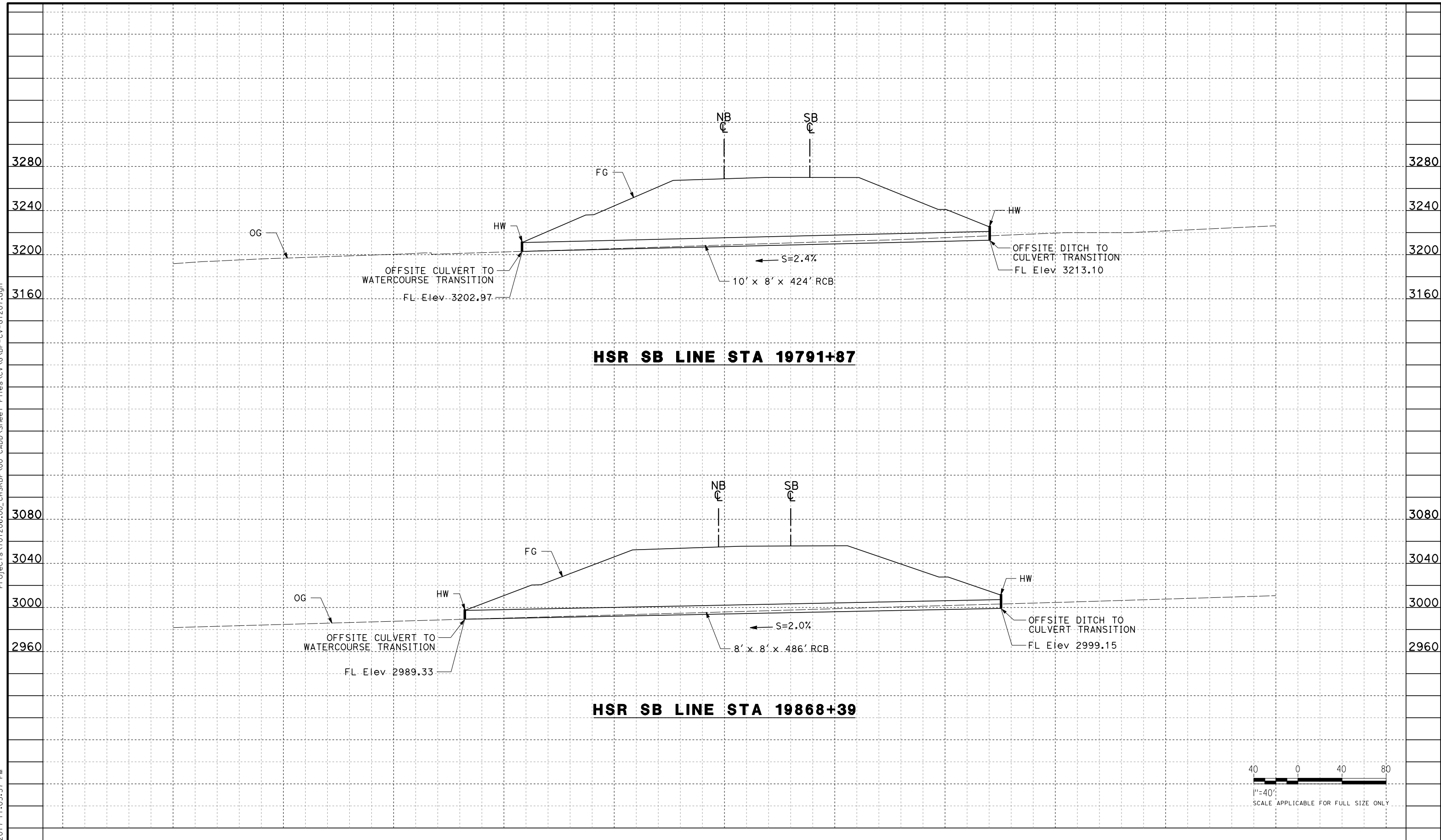
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
 GRADING AND DRAINAGE
 STA. 19736, 19763
 PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-G1206
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AS SHOWN
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OIC:Adodge 11/7/2017 11:05:37 PM



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A. CAROLINO

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G. CAMPBELL

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S. SMITH

DATE
10/31/2017

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CONSTRUCTION**



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

ALTERNATIVE 3
GRADING AND DRAINAGE
STA. 19791, 19868
PROFILE

CONTRACT NO.
HSR13-44

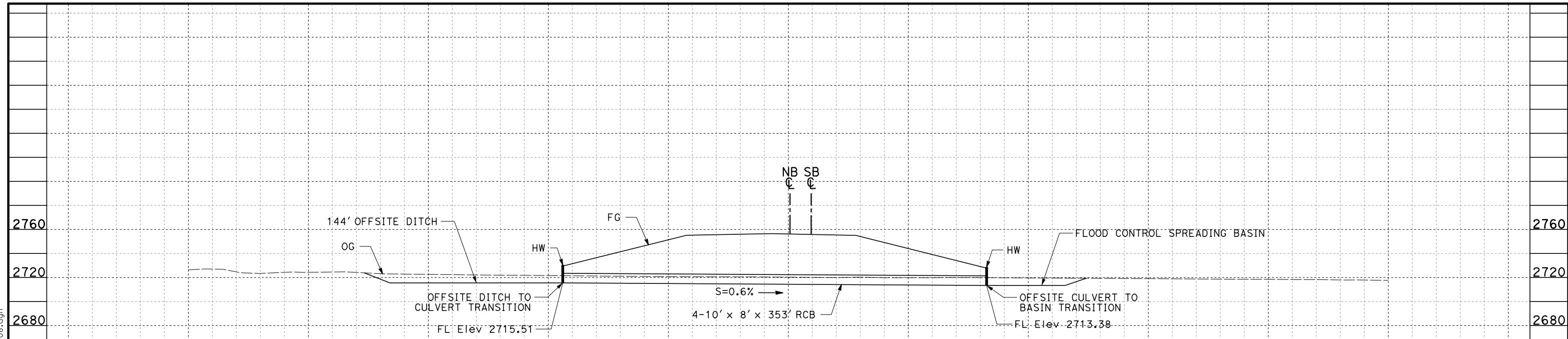
DRAWING NO.
CV-G1207

SCALE
AS SHOWN

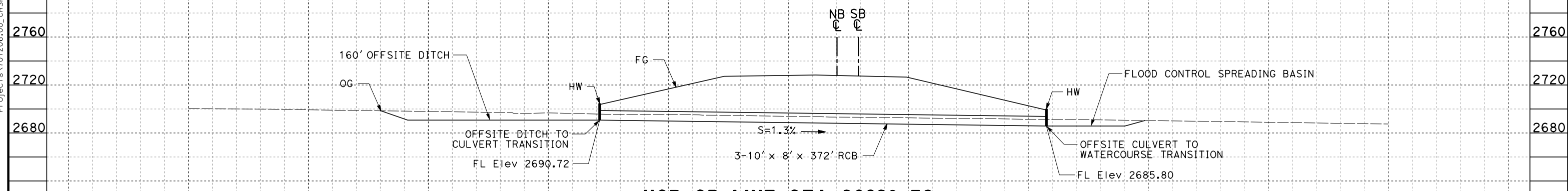
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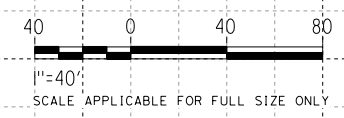
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HSR SB LINE STA 20001+54



HSR SB LINE STA 20026+73



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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**



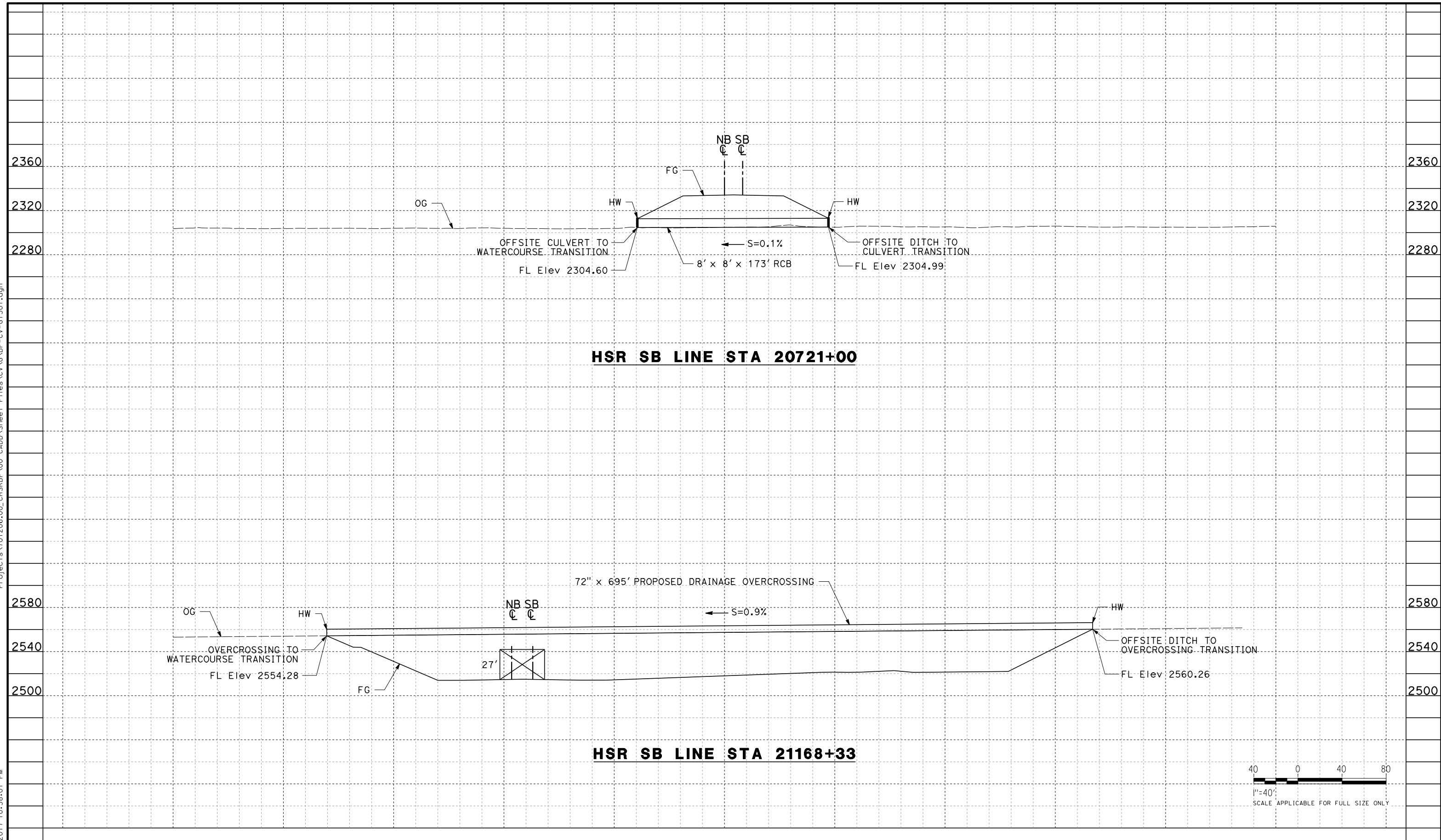
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
GRADING AND DRAINAGE
STA. 20001, 20026
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1208
SCALE
AS SHOWN
SHEET NO.

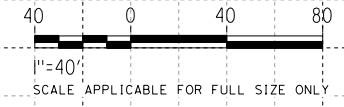
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OIC:Adodge 11/7/2017 10:58:01 PM



HSR SB LINE STA 20721+00

HSR SB LINE STA 21168+33



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**



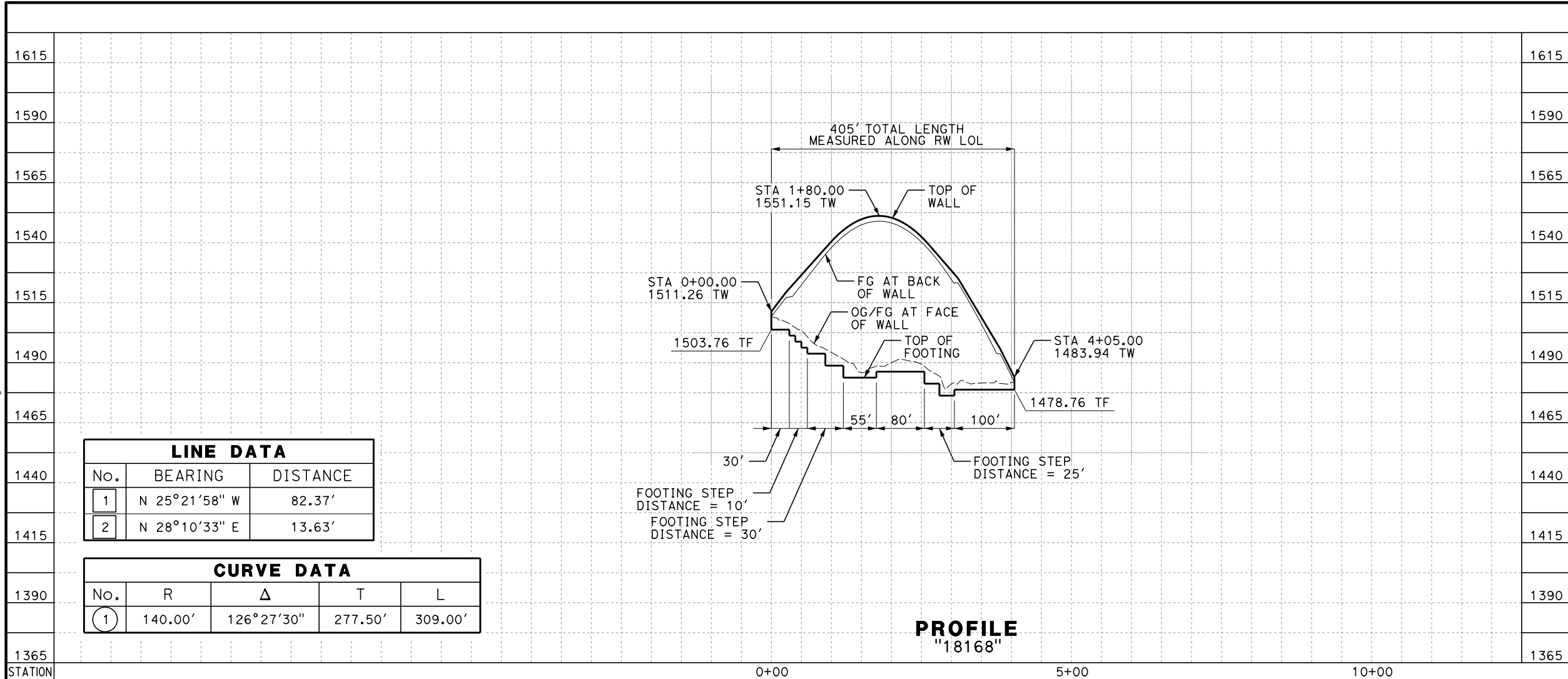
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5
GRADING AND DRAINAGE
STA. 20721, 21168
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-G1301
SCALE
AS SHOWN
SHEET NO.

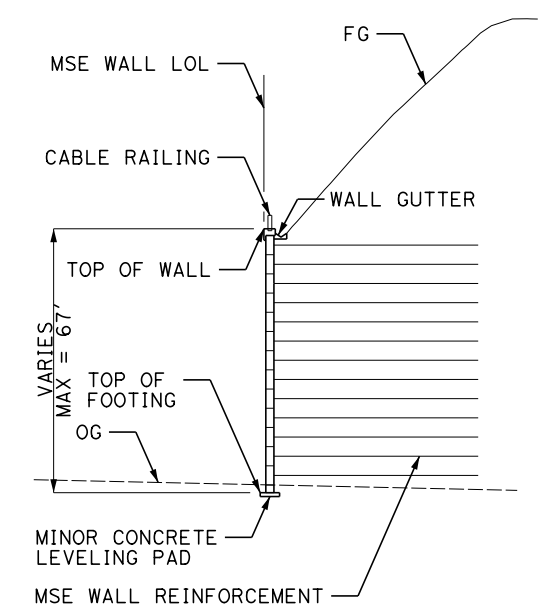
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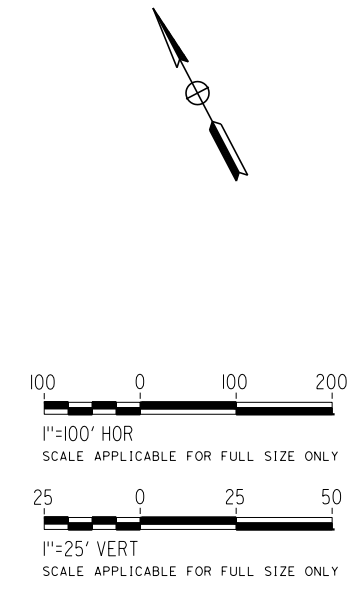
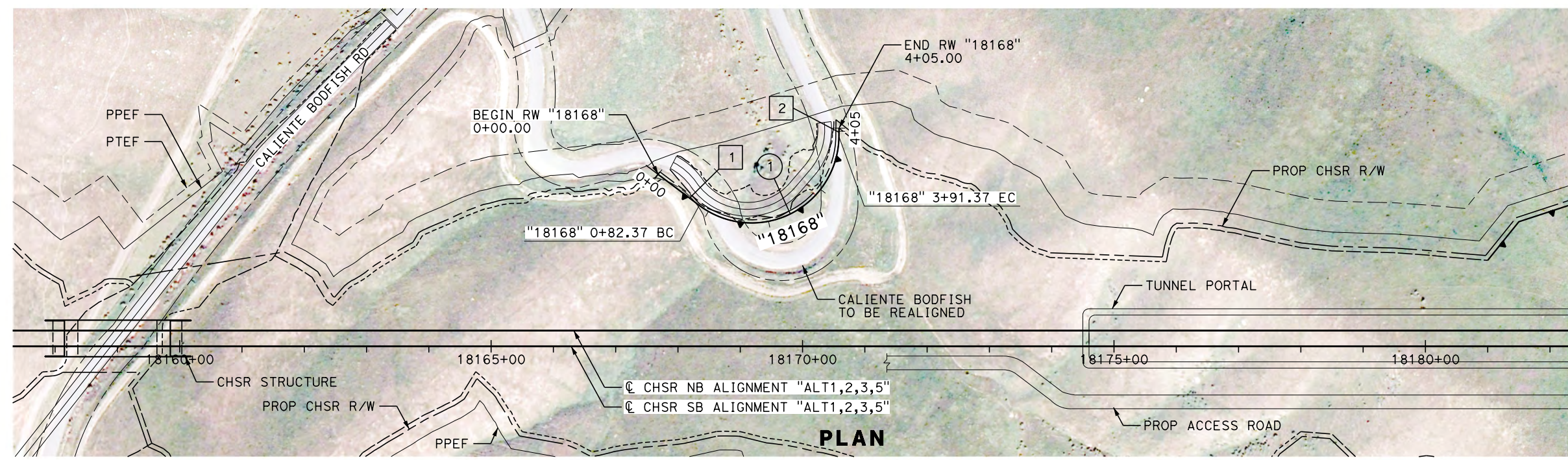


LINE DATA		
No.	BEARING	DISTANCE
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2	N 28°10'33" E	13.63'

CURVE DATA				
No.	R	Δ	T	L
1	140.00'	126°27'30"	277.50'	309.00'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

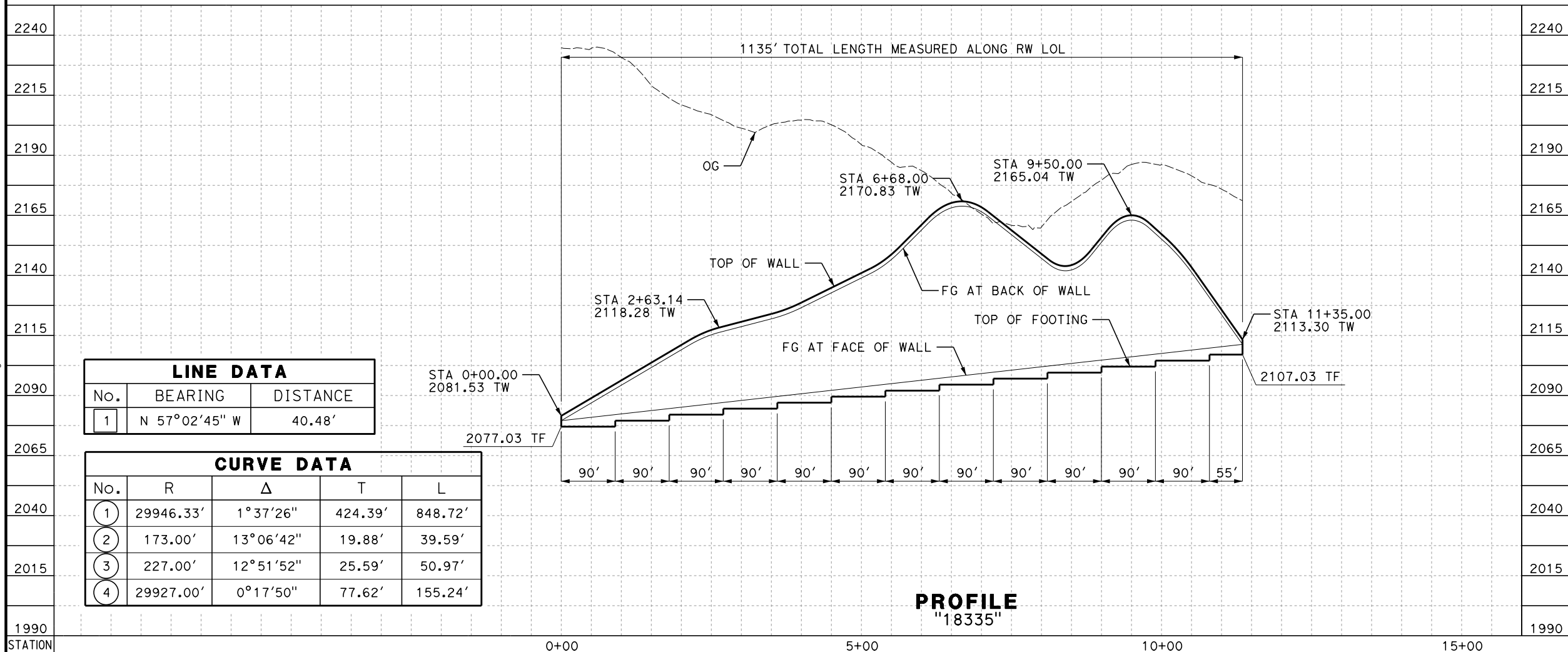


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
RETAINING WALL
18168
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
ST-G1001
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\STAG\BP-ST-G1003.dgn

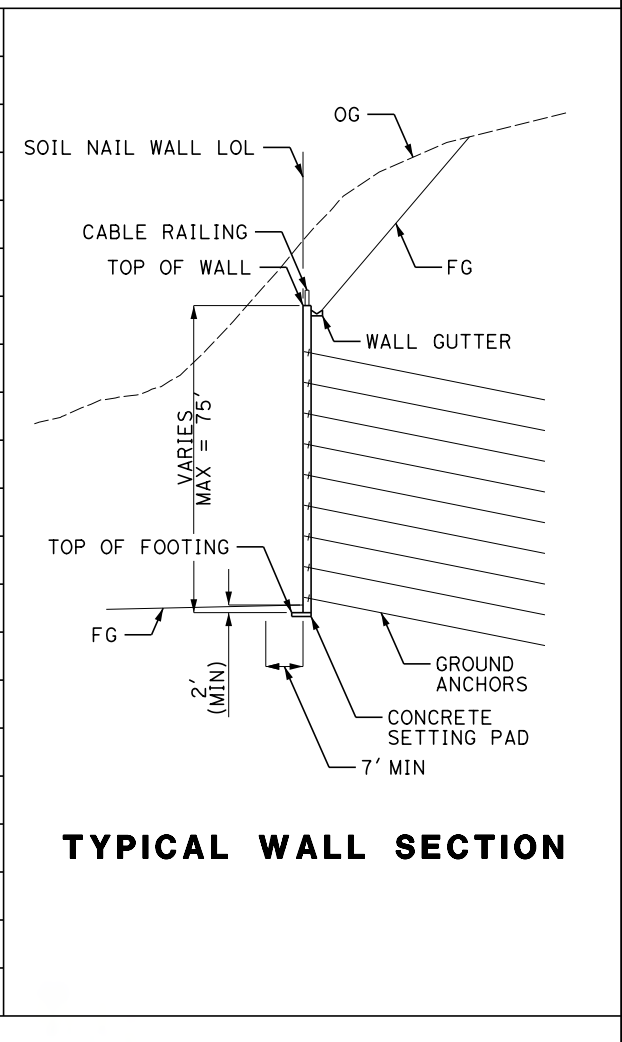
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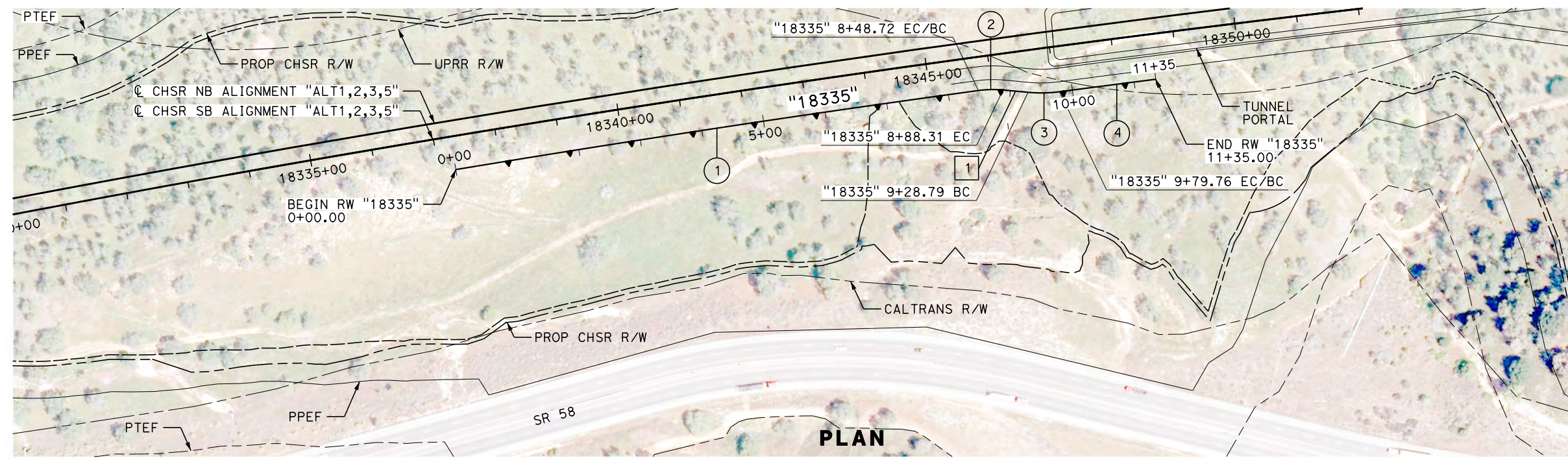
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No.	BEARING	DISTANCE
1	N 57°02'45" W	40.48'

CURVE DATA				
No.	R	Δ	T	L
1	29946.33'	1°37'26"	424.39'	848.72'
2	173.00'	13°06'42"	19.88'	39.59'
3	227.00'	12°51'52"	25.59'	50.97'
4	29927.00'	0°17'50"	77.62'	155.24'

PROFILE
"18335"



TYPICAL WALL SECTION



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

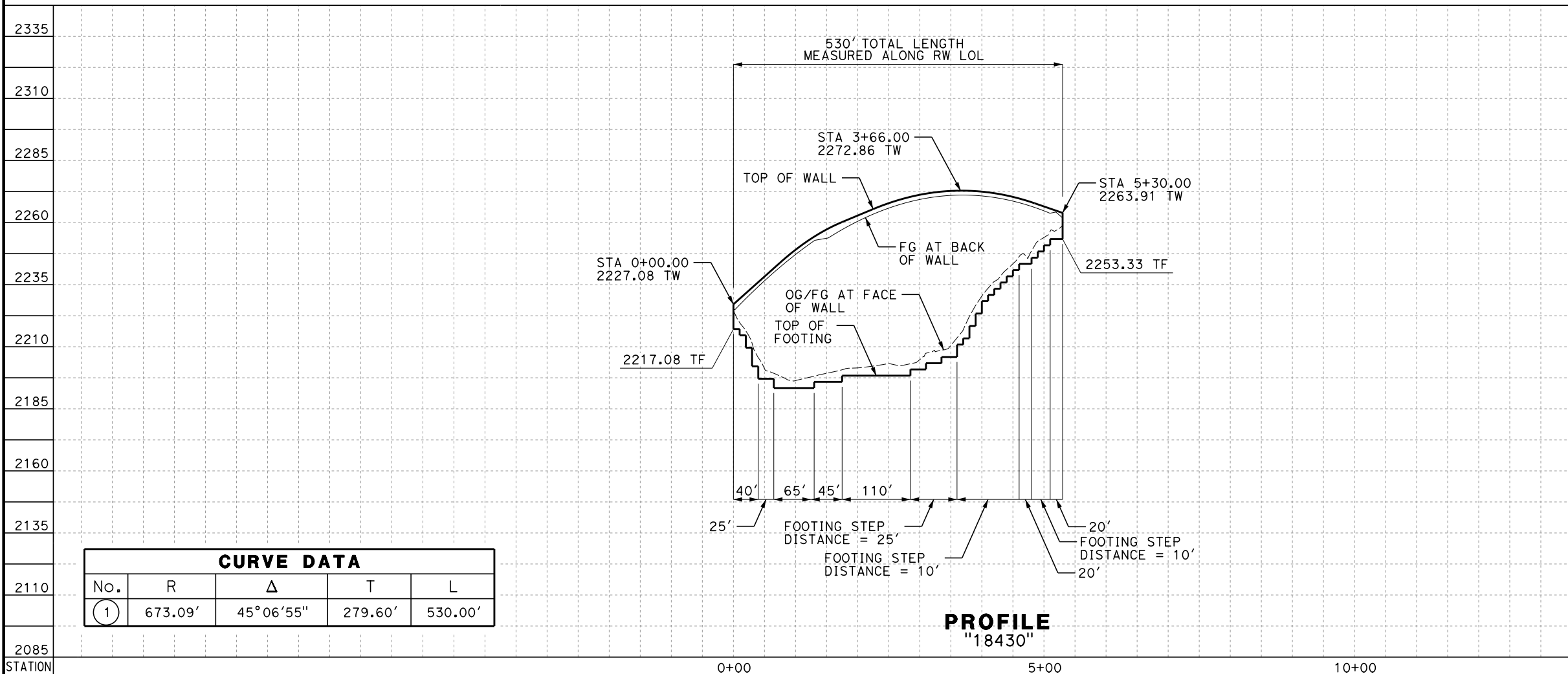


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3,5
RETAINING WALL
18335
PLAN AND PROFILE

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

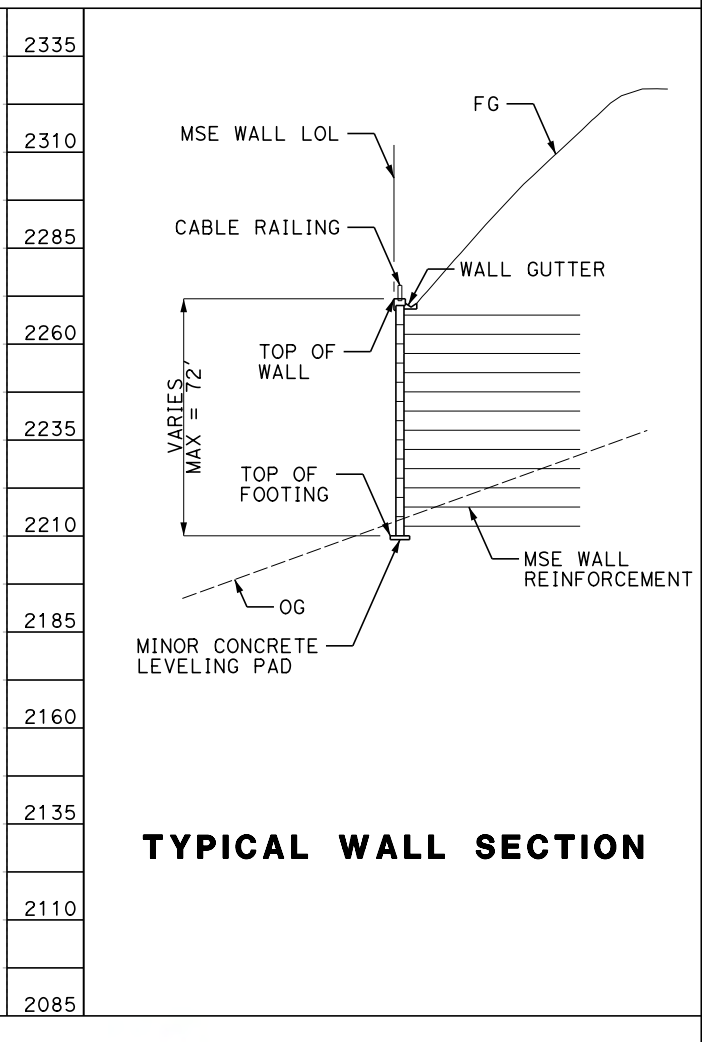
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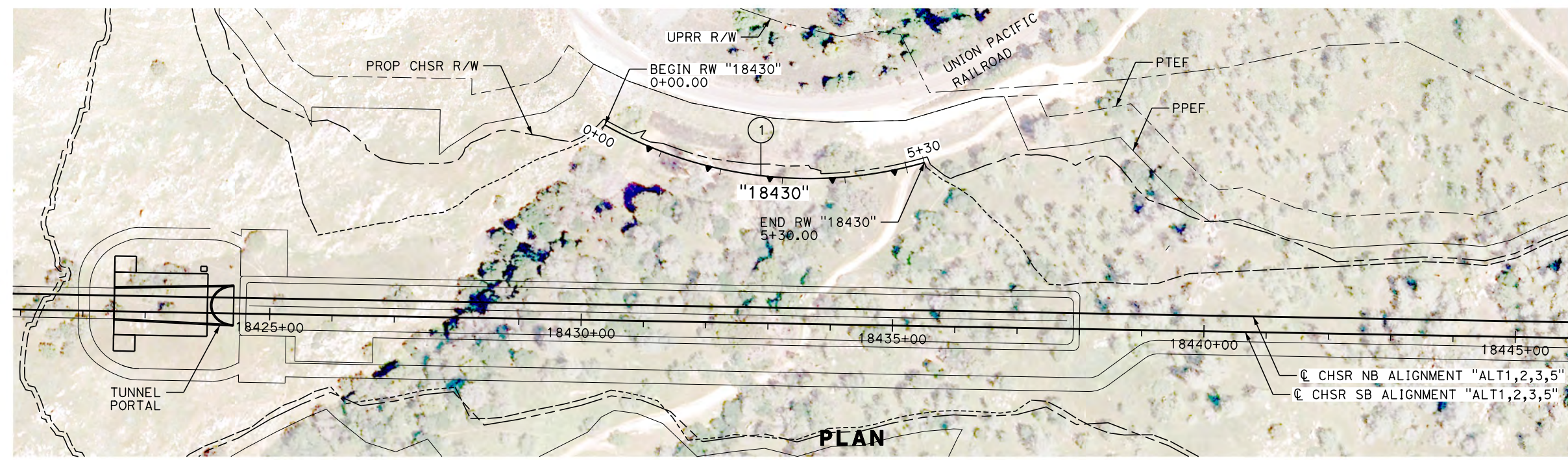


CURVE DATA				
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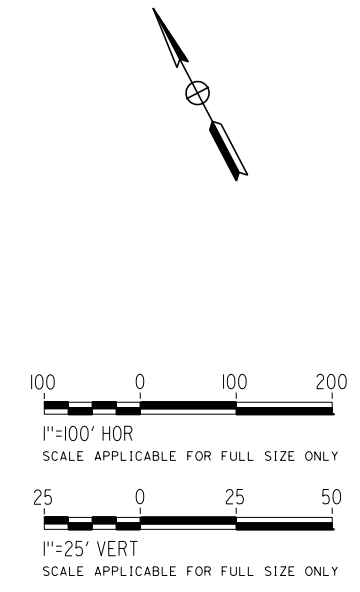
PROFILE
"18430"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

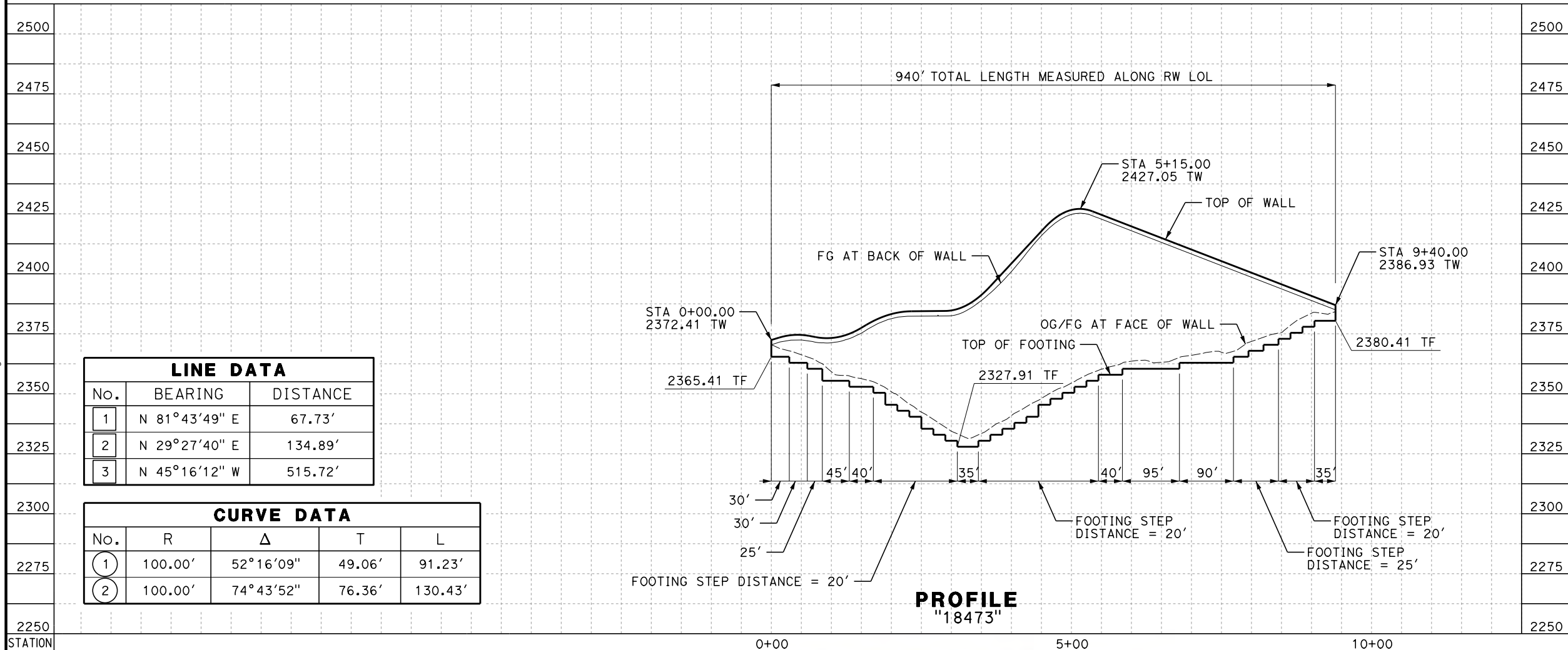


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3,5
RETAINING WALL
18430
PLAN AND PROFILE

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

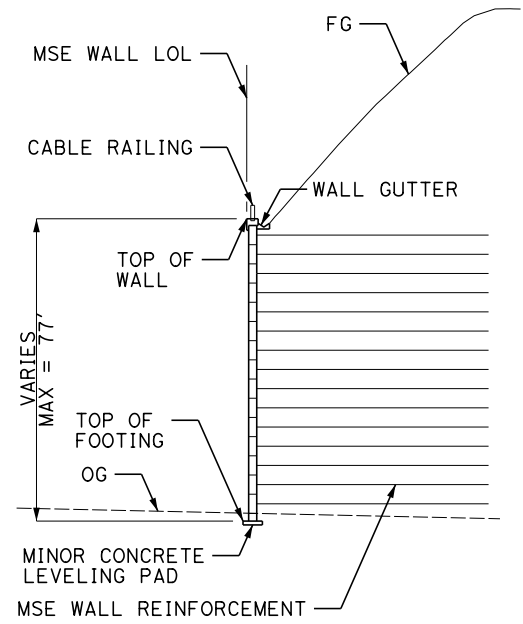
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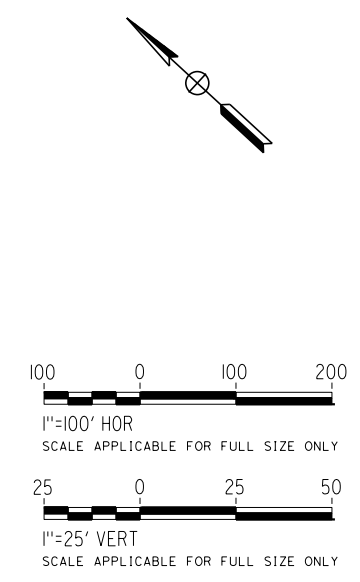
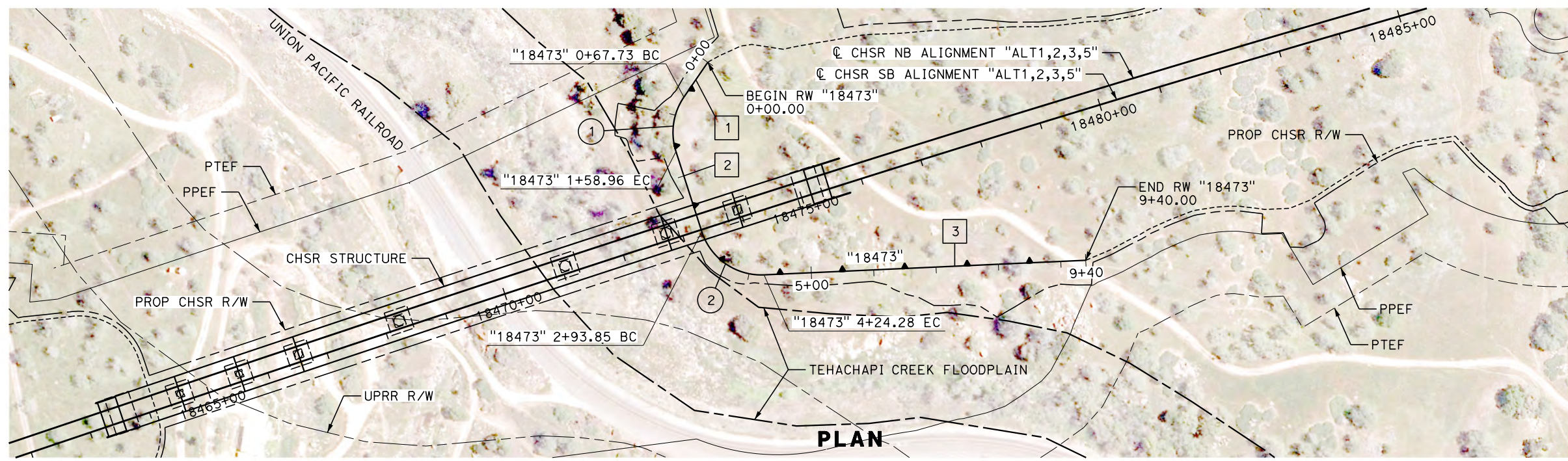


LINE DATA		
No.	BEARING	DISTANCE
1	N 81°43'49" E	67.73'
2	N 29°27'40" E	134.89'
3	N 45°16'12" W	515.72'

CURVE DATA				
No.	R	Δ	T	L
1	100.00'	52°16'09"	49.06'	91.23'
2	100.00'	74°43'52"	76.36'	130.43'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

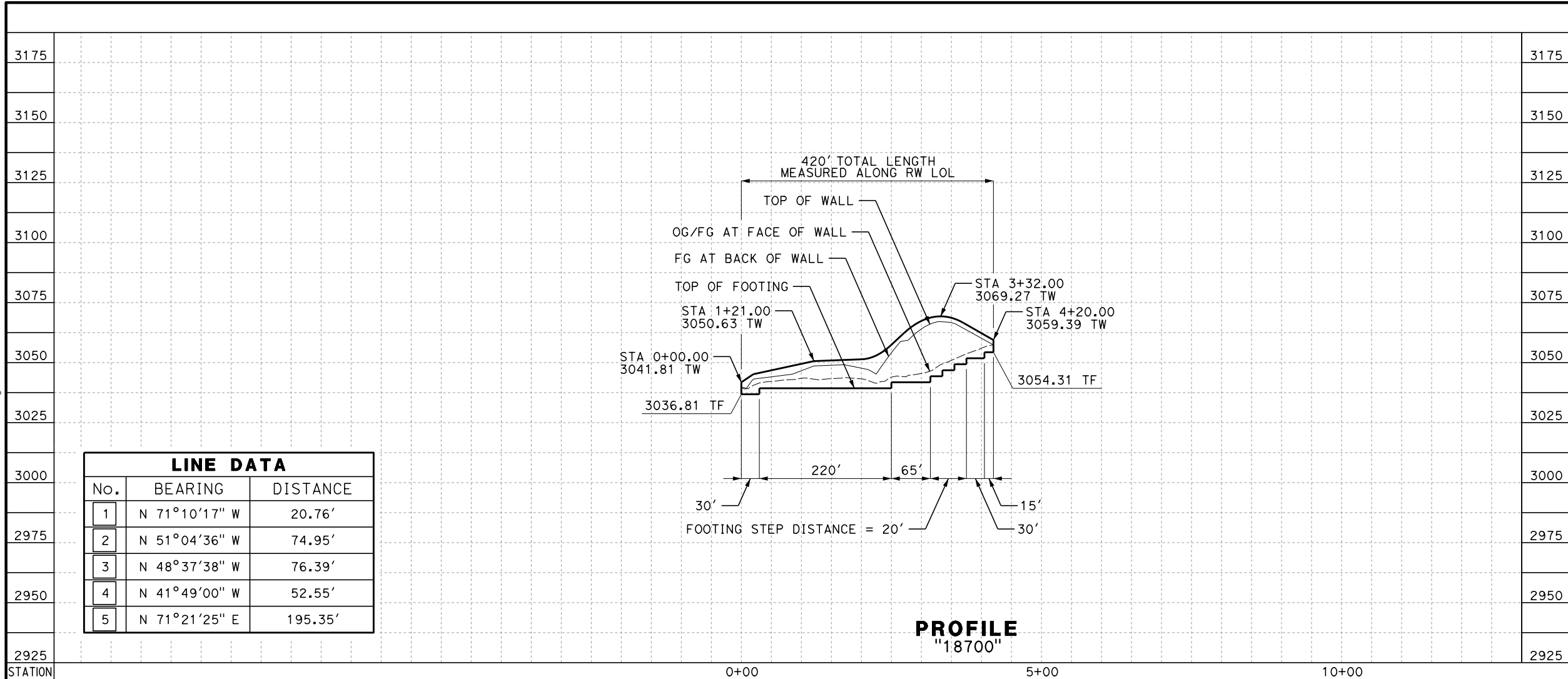


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
RETAINING WALL
18473
PLAN AND PROFILE

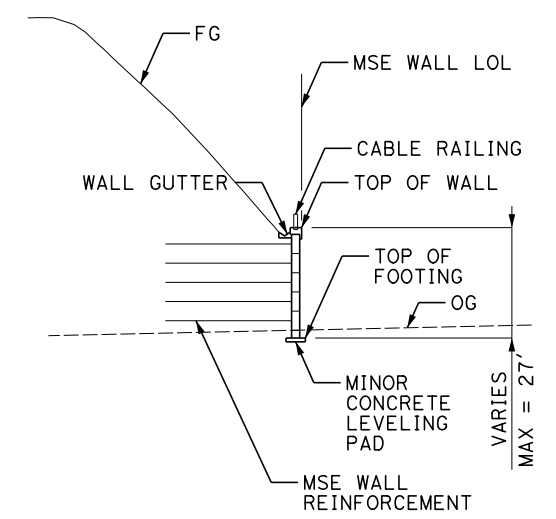
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DRAWING NO.
ST-G1005
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\ANG\BP-ST-G1007.dgn

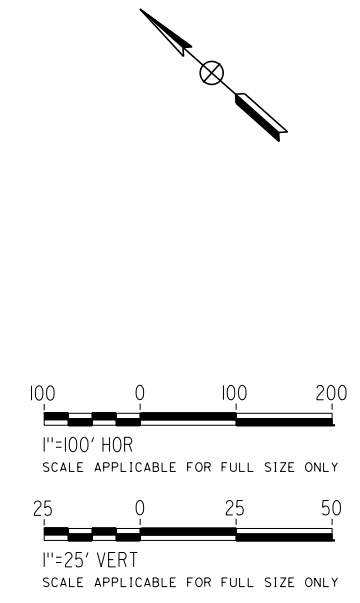
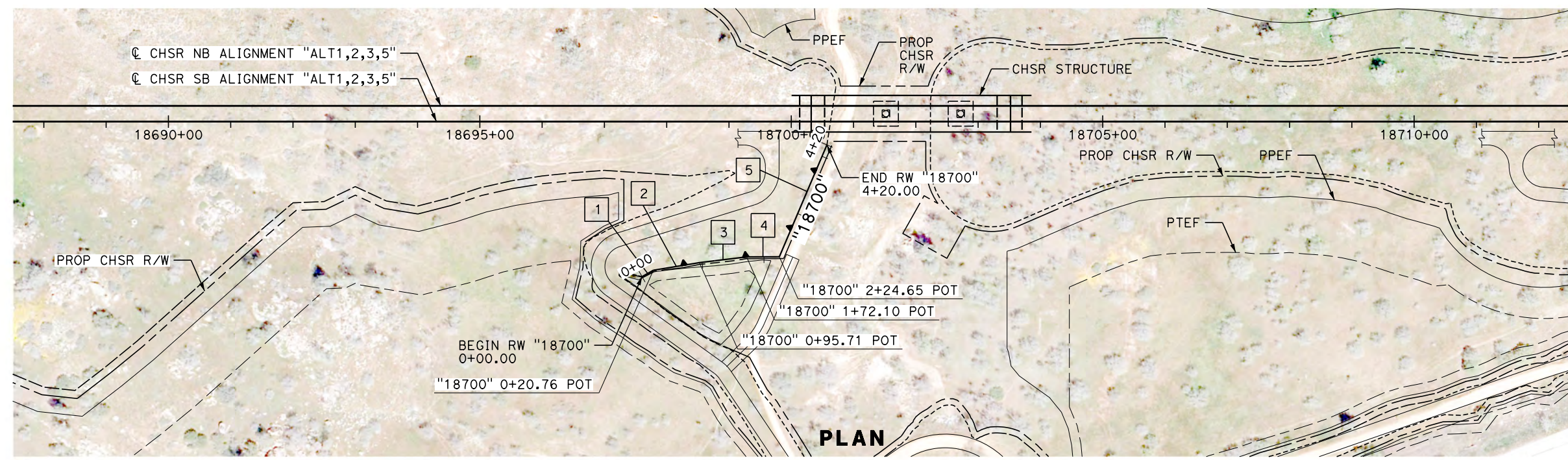
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LINE DATA		
No.	BEARING	DISTANCE
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2	N 51°04'36" W	74.95'
3	N 48°37'38" W	76.39'
4	N 41°49'00" W	52.55'
5	N 71°21'25" E	195.35'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

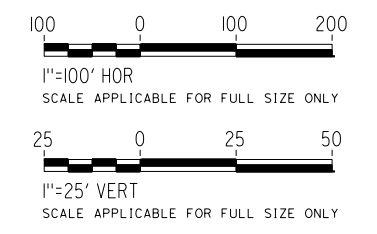
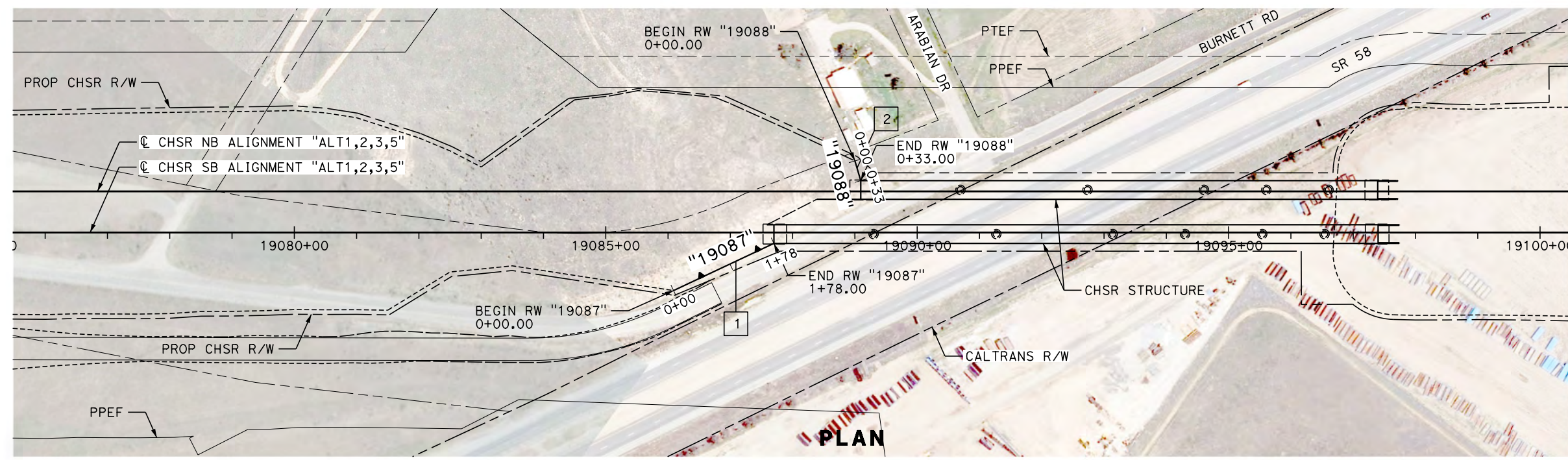
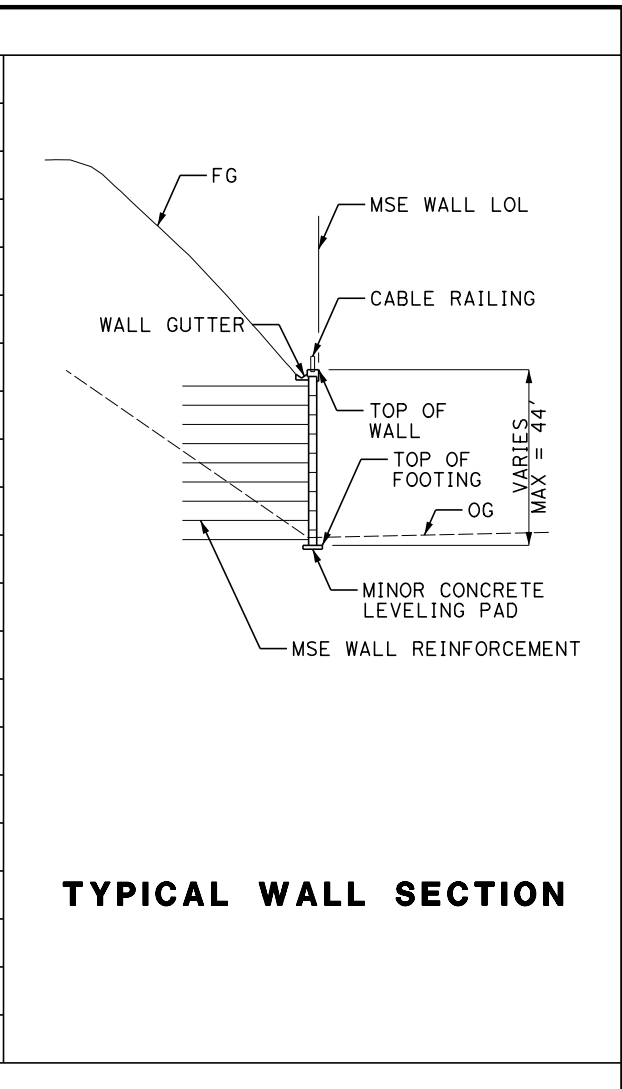
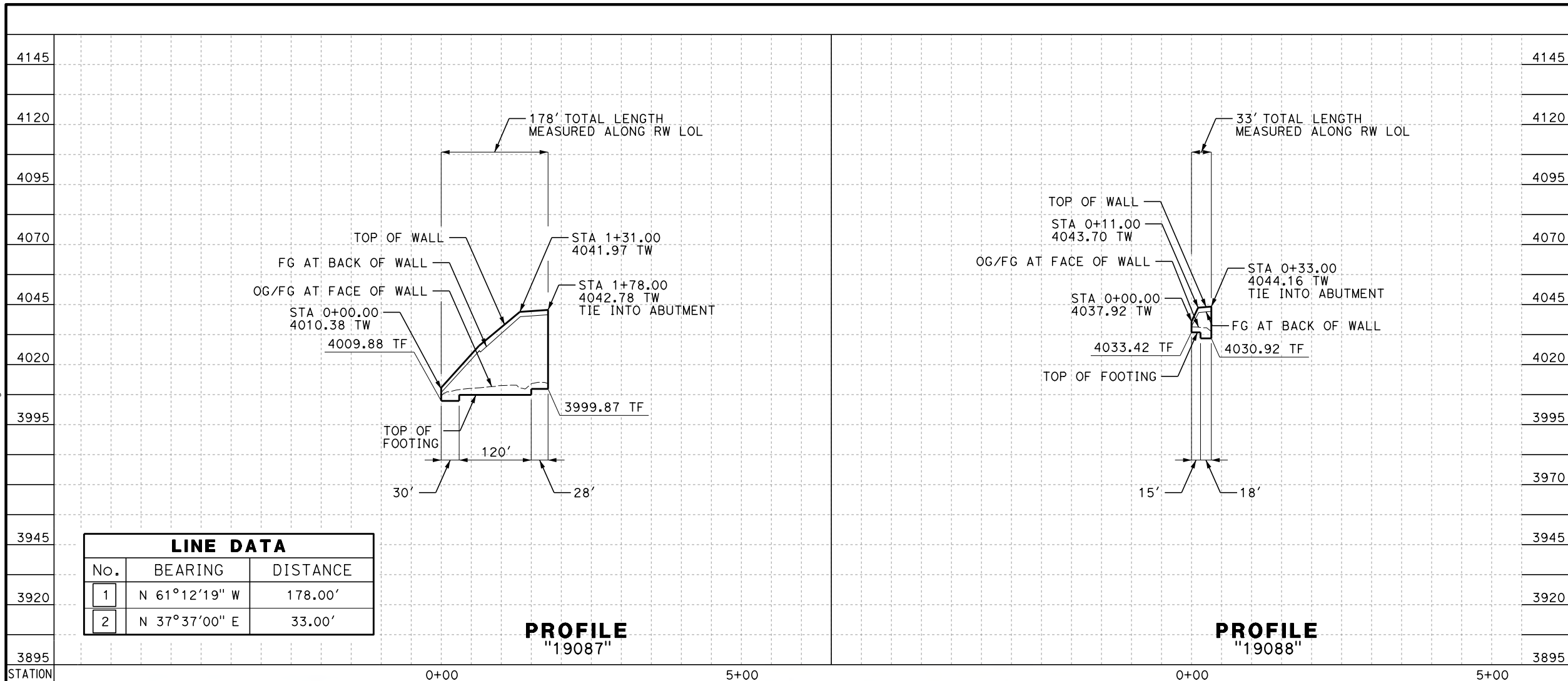


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
RETAINING WALL
18700
PLAN AND PROFILE

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

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\ANG\BP-ST-G1008.dgn

OIC:ARivera 11/23/2017 4:14:50 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



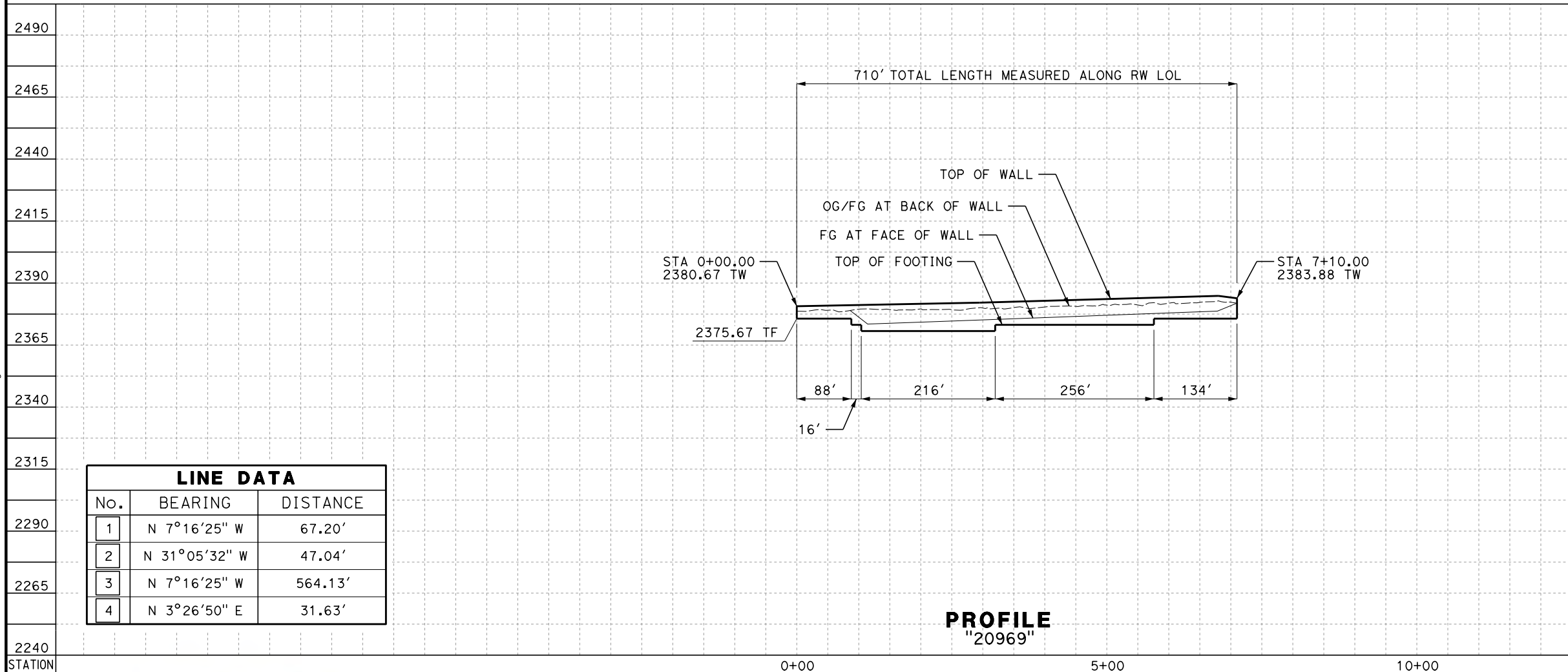
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
RETAINING WALL
19087 AND 19088
PLAN AND PROFILE

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

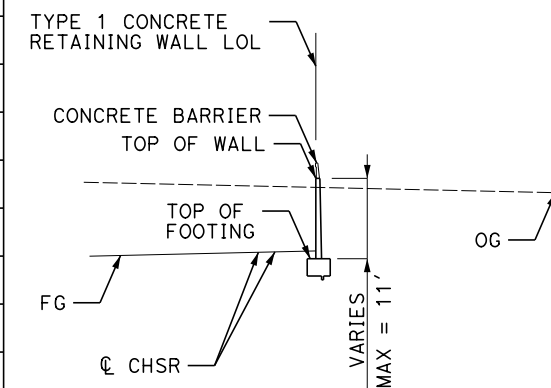
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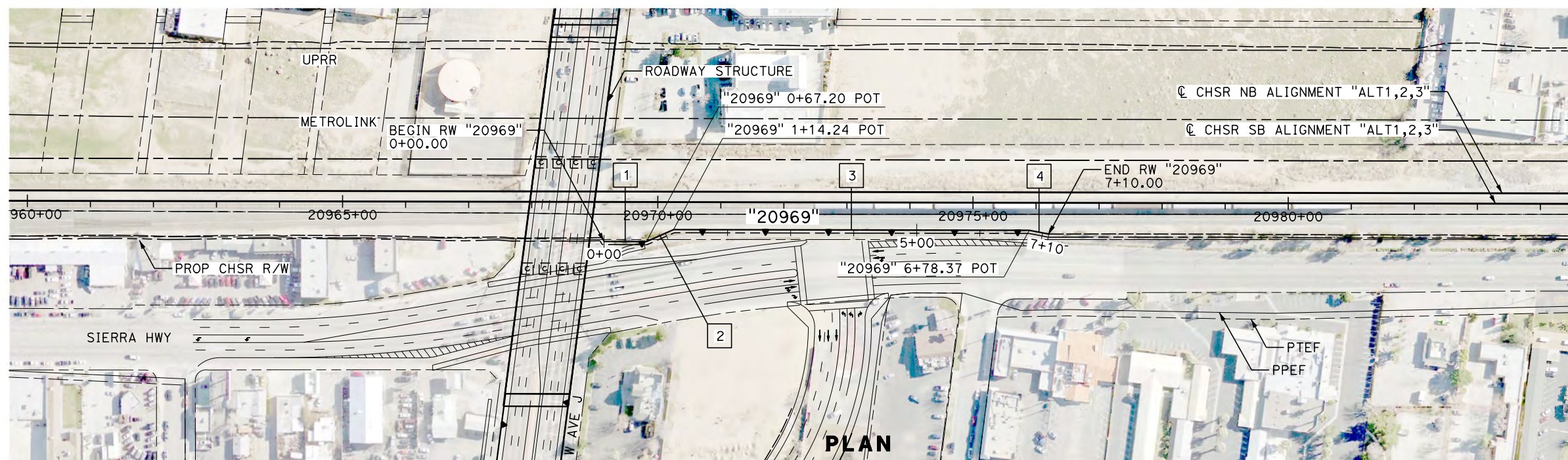


LINE DATA		
No.	BEARING	DISTANCE
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3	N 7°16'25" W	564.13'
4	N 3°26'50" E	31.63'

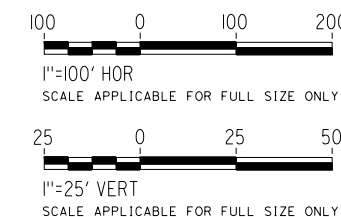
PROFILE
"20969"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

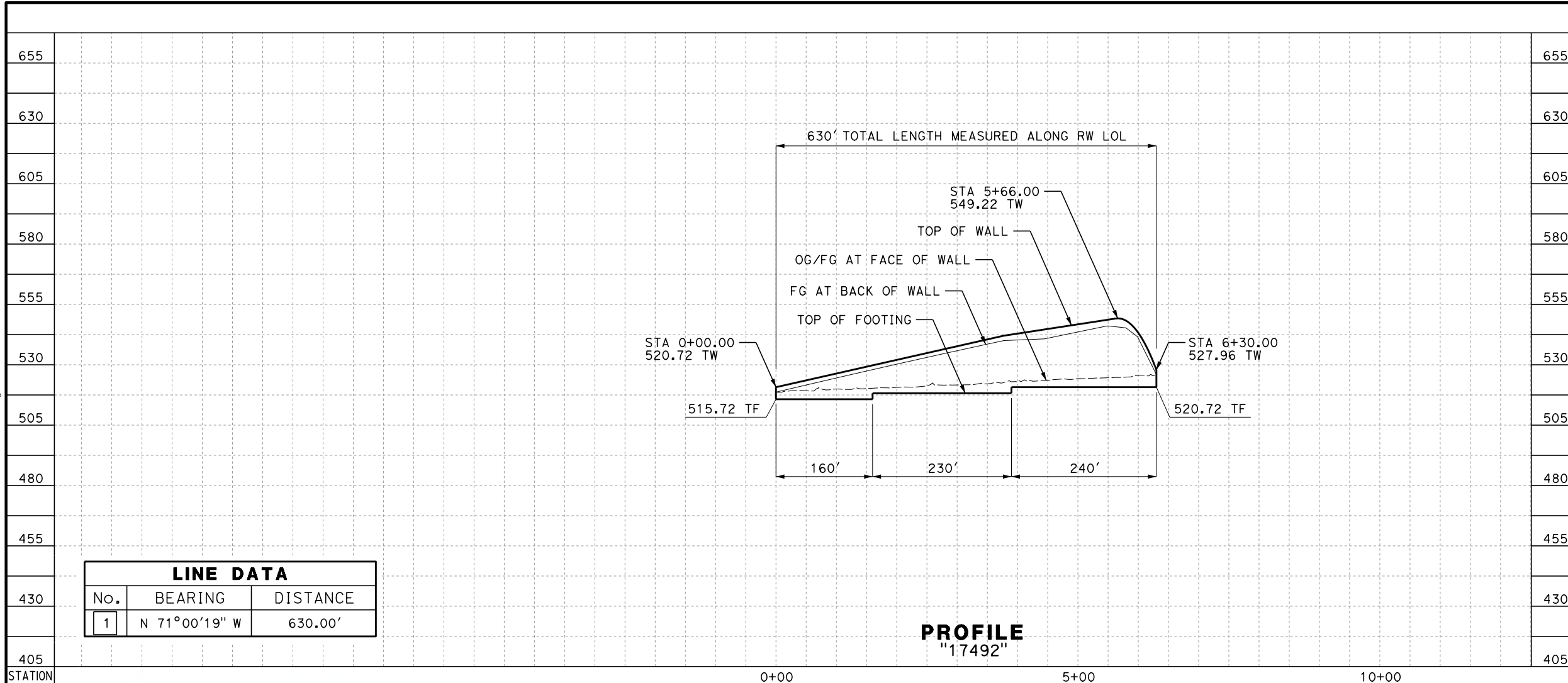


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3
RETAINING WALL
20969
PLAN AND PROFILE

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

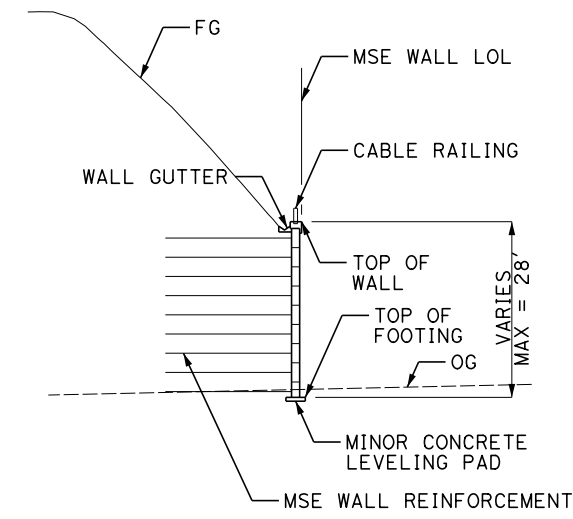
Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1010.dgn

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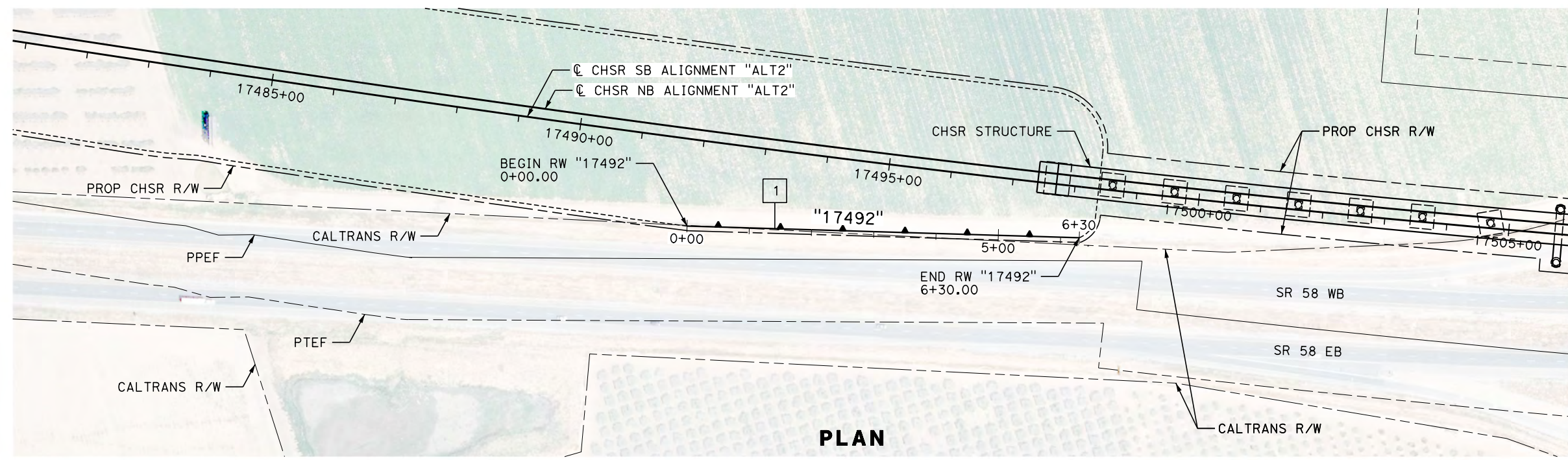


LINE DATA		
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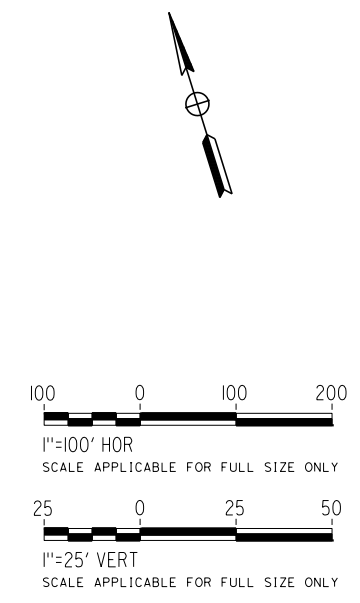
PROFILE
"17492"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

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PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



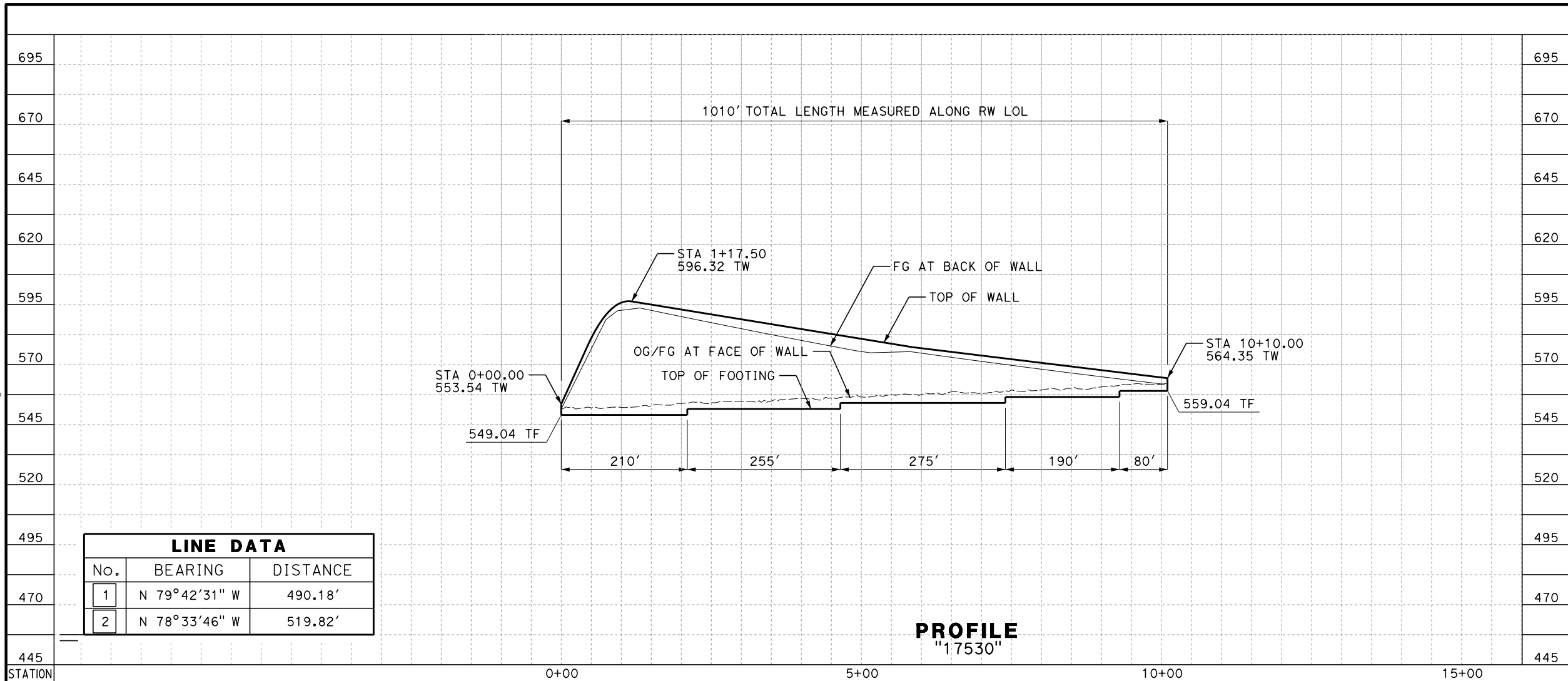
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
RETAINING WALL
17492
PLAN AND PROFILE

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

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1011.dgn

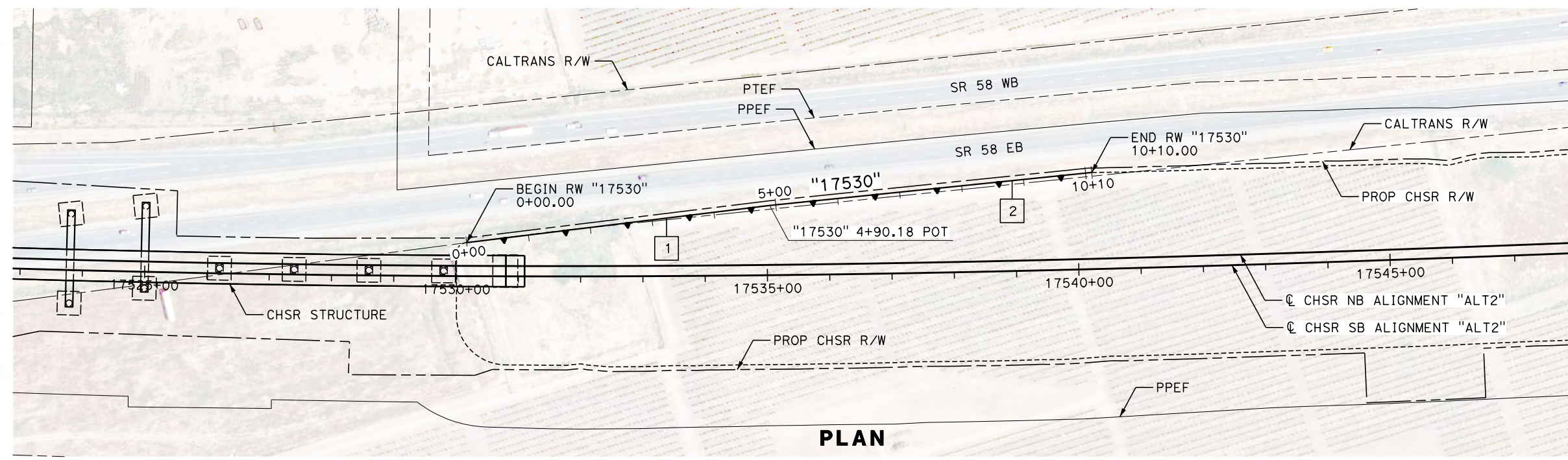
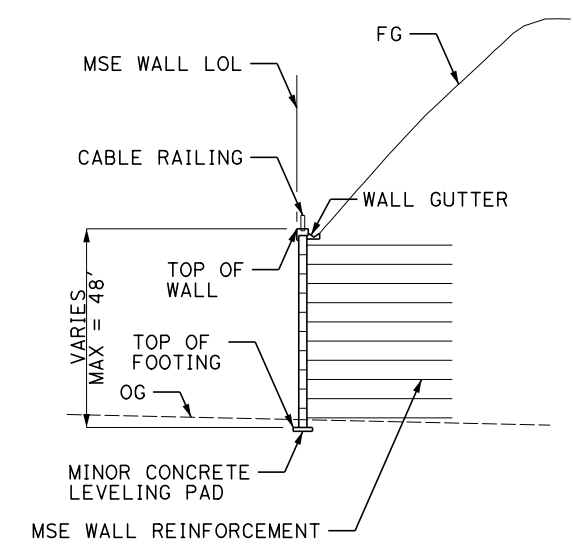
OIC:ARivera 11/3/2017 4:14:58 PM



LINE DATA		
No.	BEARING	DISTANCE
1	N 79° 42' 31" W	490.18'
2	N 78° 33' 46" W	519.82'

PROFILE
"17530"

TYPICAL WALL SECTION



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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PEPD
SUBMITTAL**

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

ALTERNATIVE 2
RETAINING WALL
17530
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

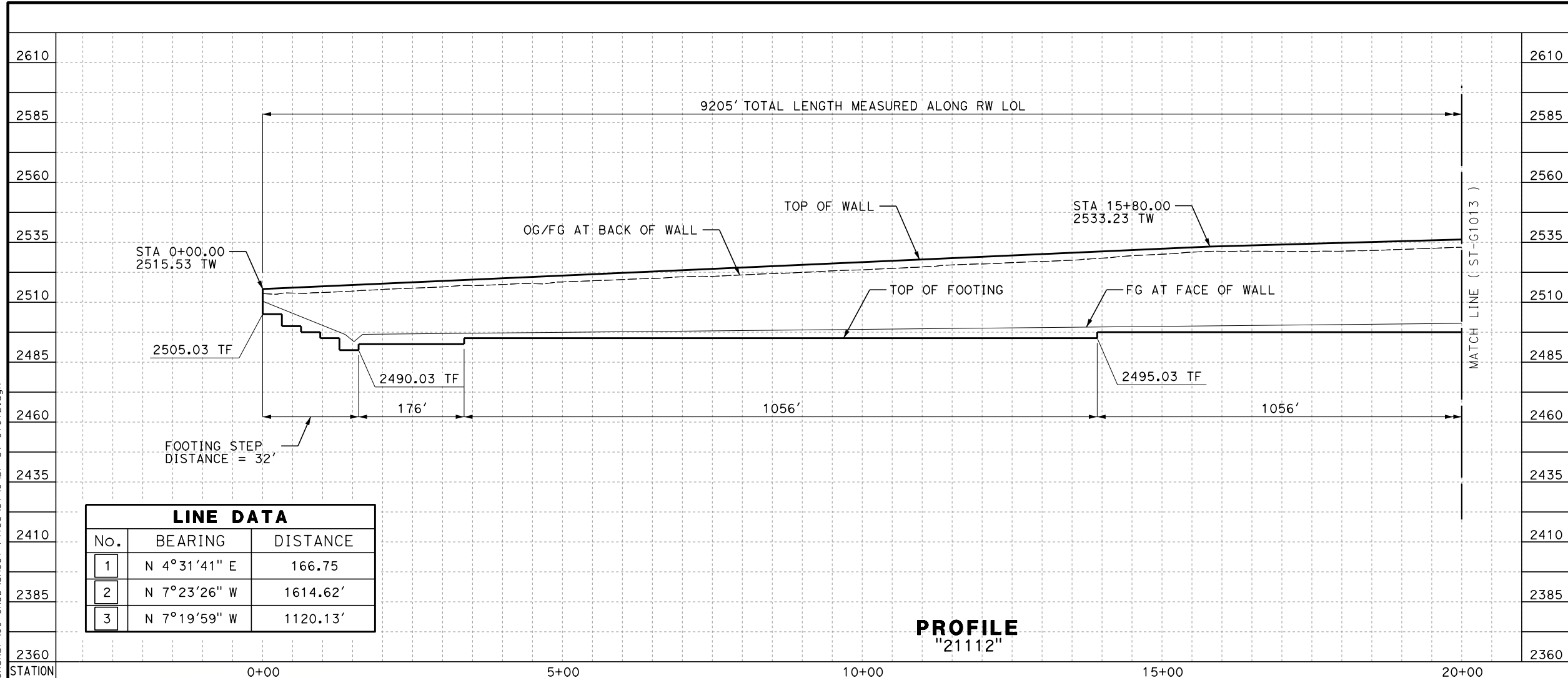
DRAWING NO.
ST-G1011

SCALE
AS SHOWN

SHEET NO.

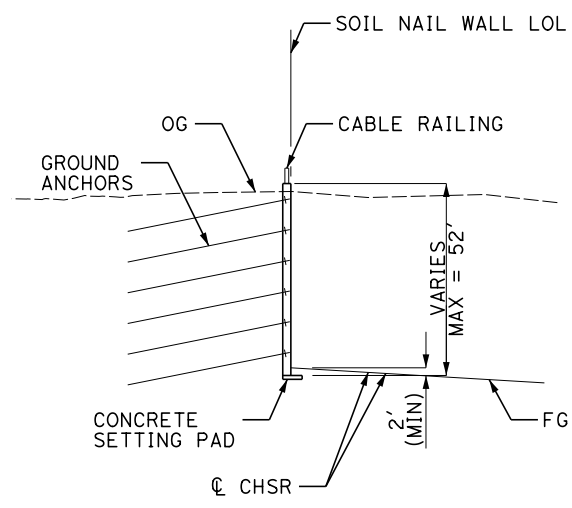
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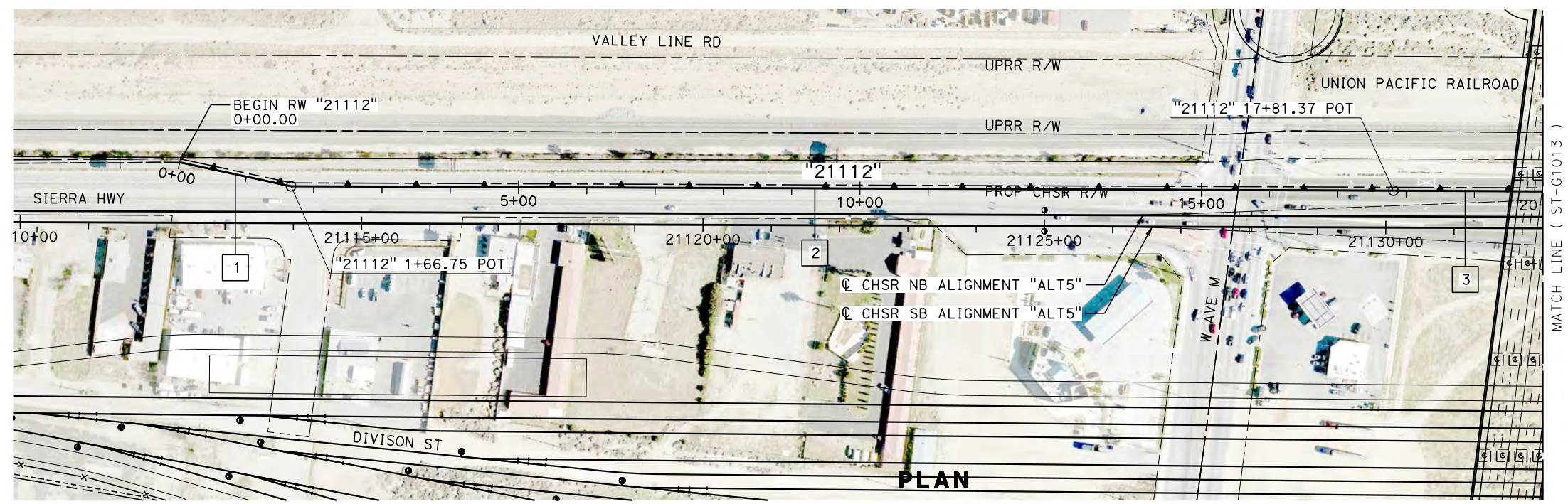


LINE DATA		
No.	BEARING	DISTANCE
1	N 4°31'41" E	166.75
2	N 7°23'26" W	1614.62'
3	N 7°19'59" W	1120.13'

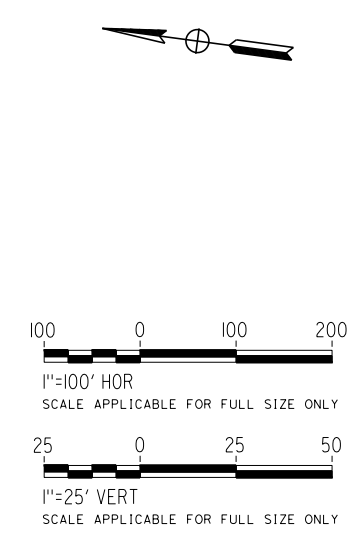
PROFILE
"21112"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
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A. DODGE
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

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

ALTERNATIVE 5
RETAINING WALL
21112
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

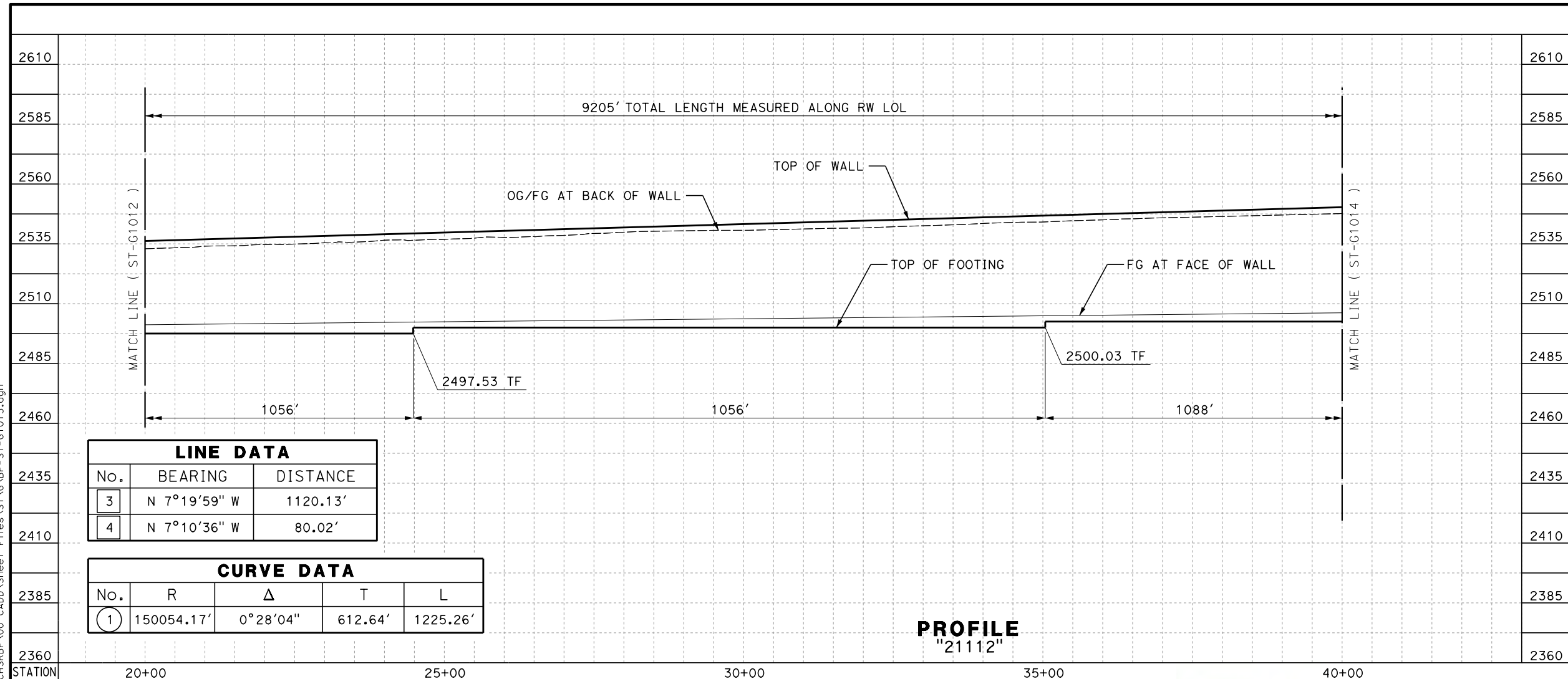
DRAWING NO.
ST-G1012

SCALE
AS SHOWN

SHEET NO.

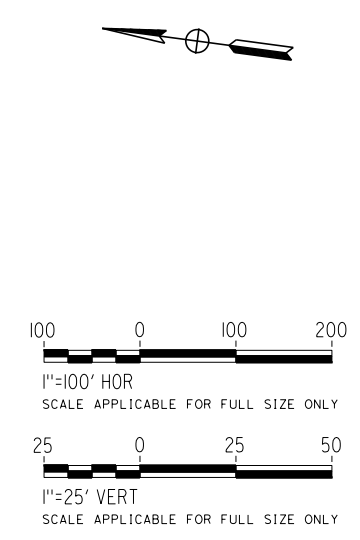
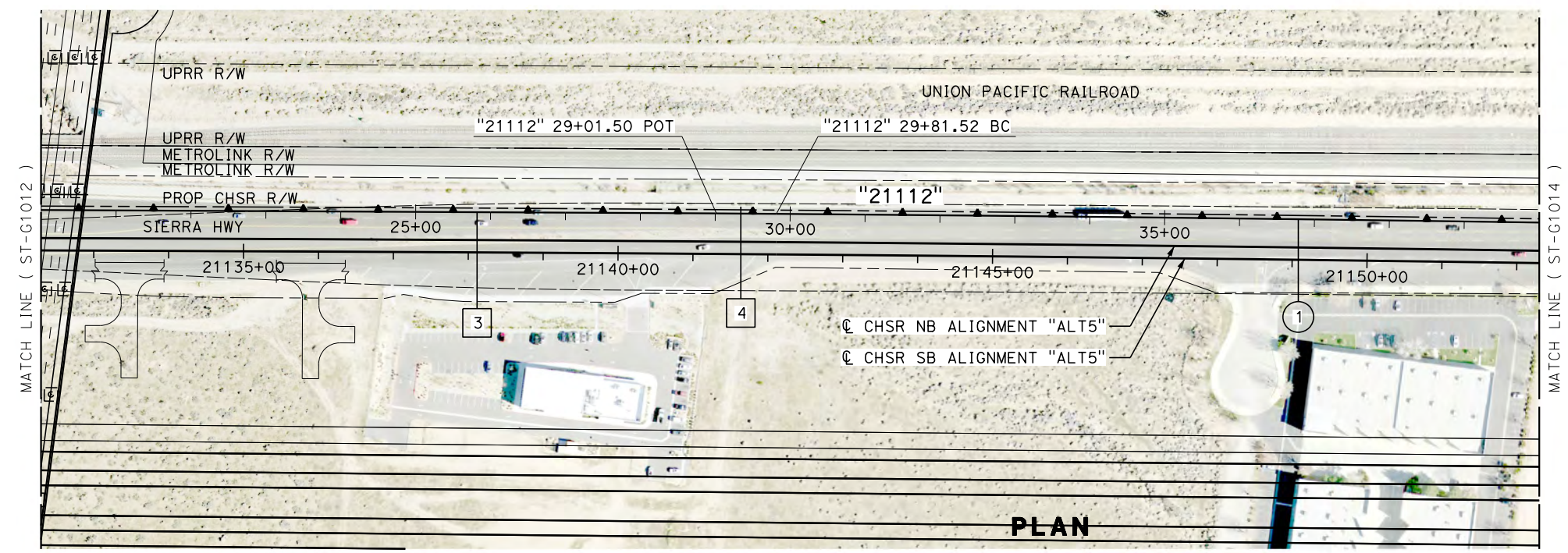
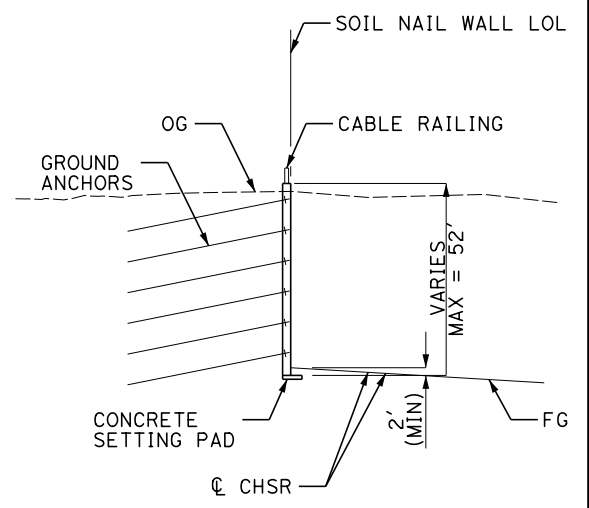
Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1013.dgn

OIC:ARivera 11/3/2017 4:14:26 PM



LINE DATA		
No.	BEARING	DISTANCE
3	N 7°19'59" W	1120.13'
4	N 7°10'36" W	80.02'

CURVE DATA				
No.	R	Δ	T	L
1	150054.17'	0°28'04"	612.64'	1225.26'



REV	DATE	BY	CHK	APP	DESCRIPTION

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A. DODGE
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



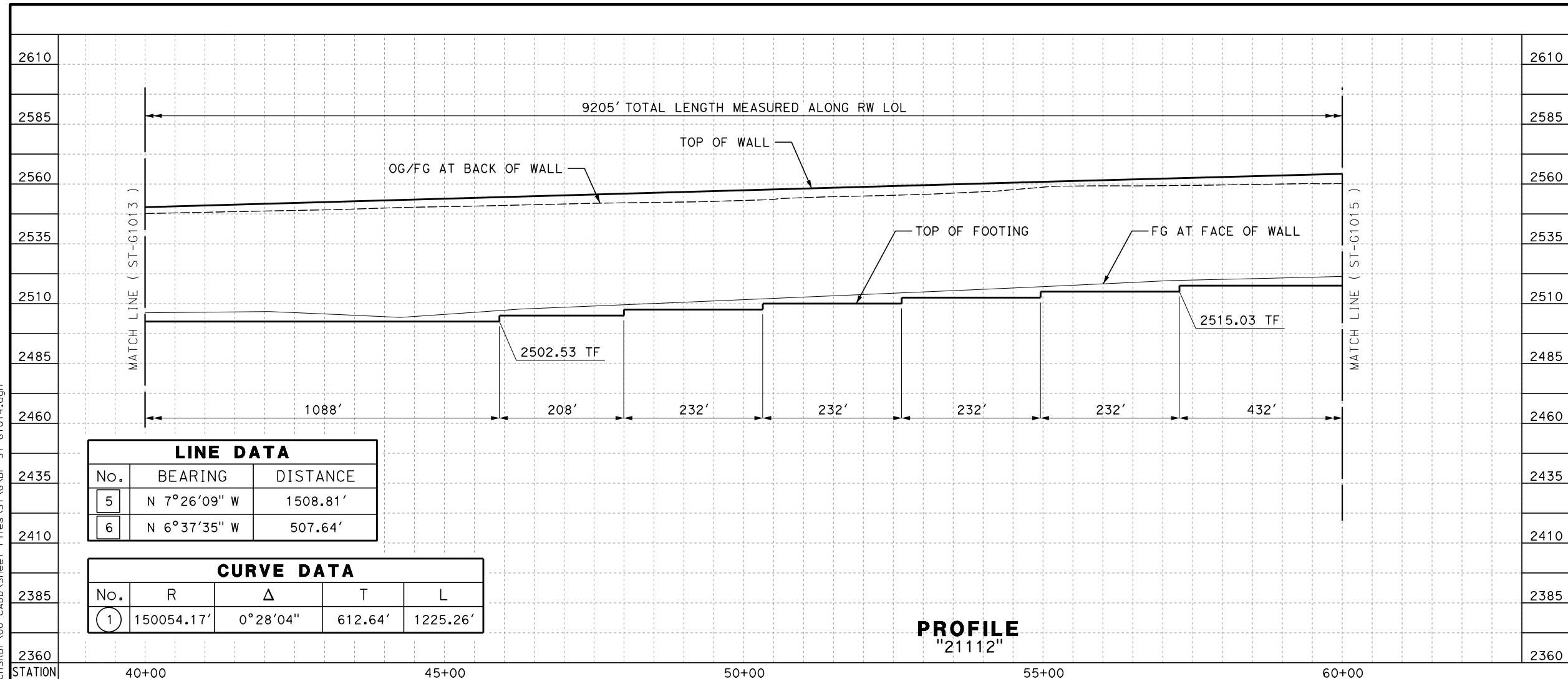
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5
RETAINING WALL
21112
PLAN AND PROFILE

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

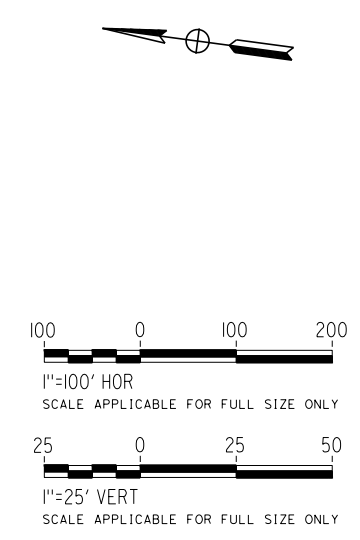
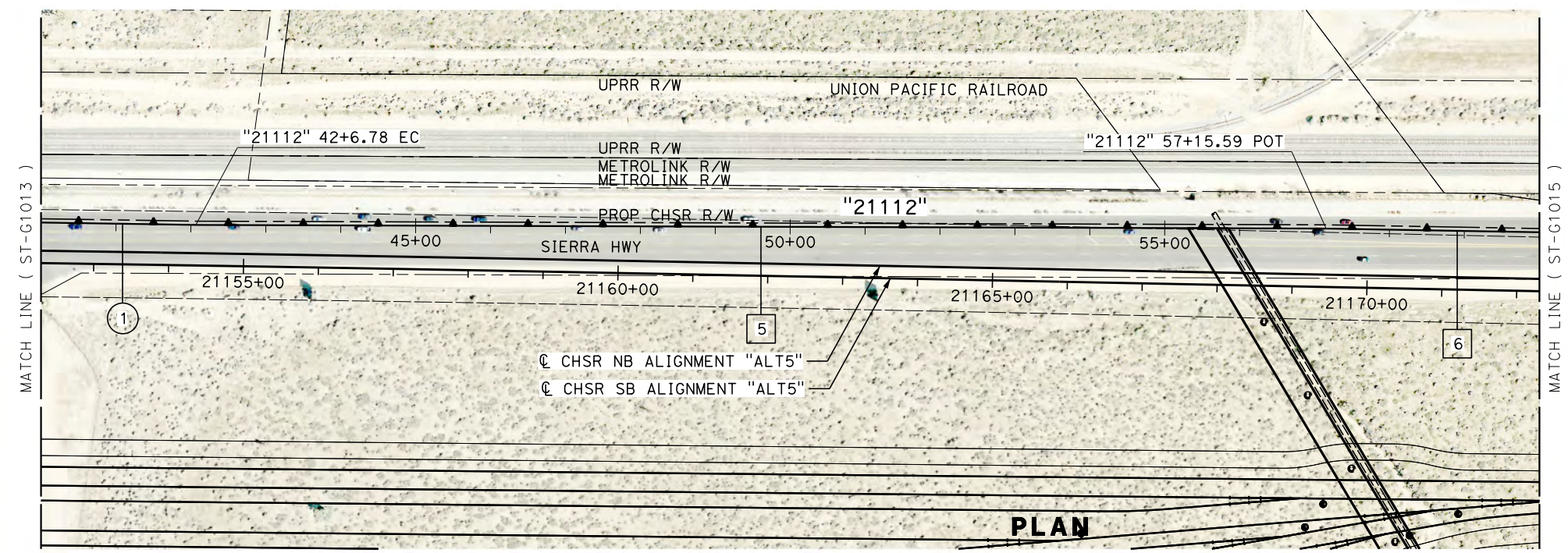
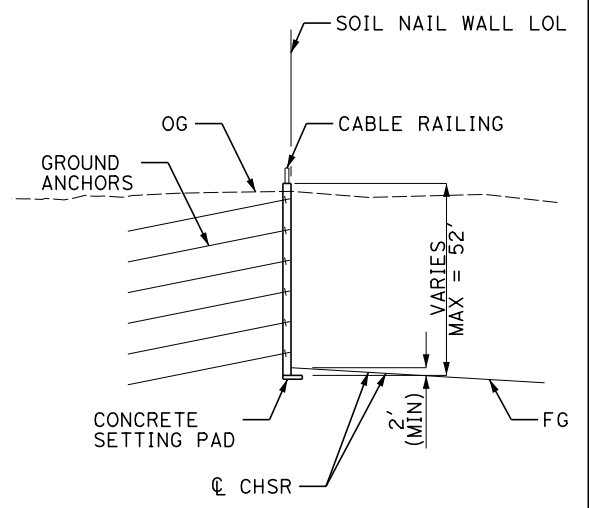
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OIC:ARivega 11/23/2017 4:14:39 PM



LINE DATA		
No.	BEARING	DISTANCE
5	N 7°26'09" W	1508.81'
6	N 6°37'35" W	507.64'

CURVE DATA				
No.	R	Δ	T	L
1	150054.17'	0°28'04"	612.64'	1225.26'



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

TYLIN INTERNATIONAL



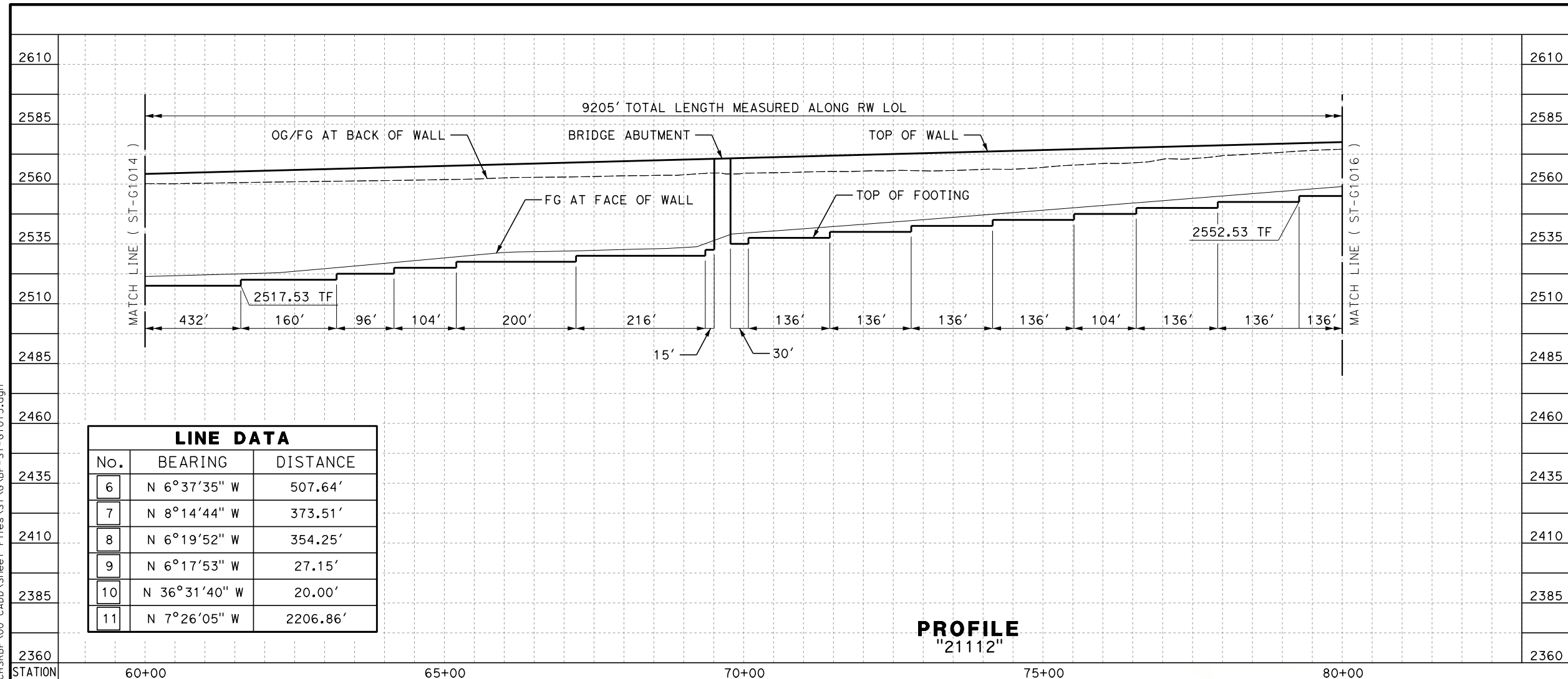
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5
RETAINING WALL
21112
PLAN AND PROFILE

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

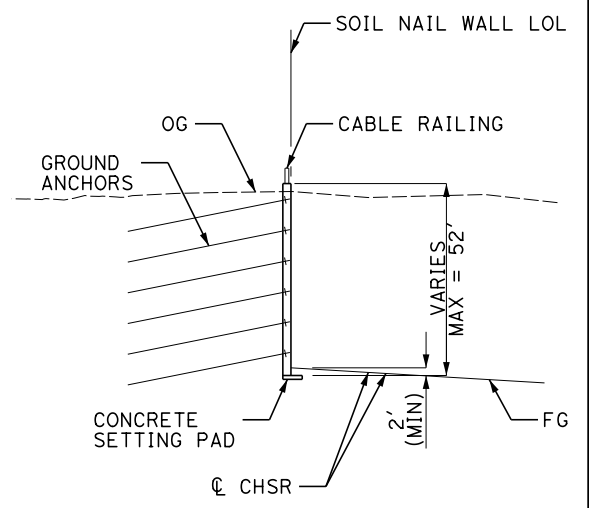
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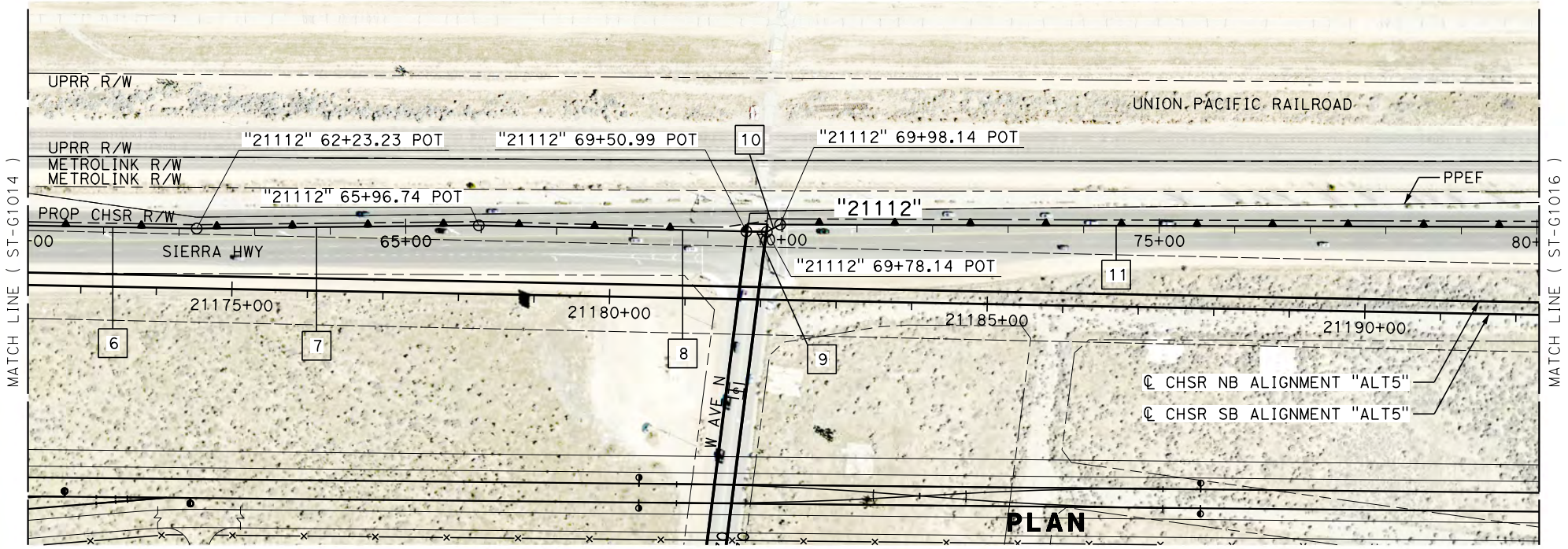


LINE DATA		
No.	BEARING	DISTANCE
6	N 6°37'35" W	507.64'
7	N 8°14'44" W	373.51'
8	N 6°19'52" W	354.25'
9	N 6°17'53" W	27.15'
10	N 36°31'40" W	20.00'
11	N 7°26'05" W	2206.86'

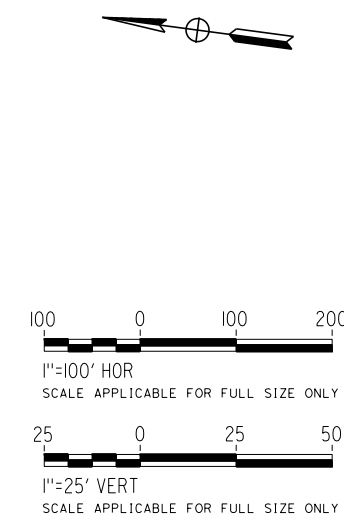
PROFILE
"21112"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

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

ALTERNATIVE 5
RETAINING WALL
21112
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

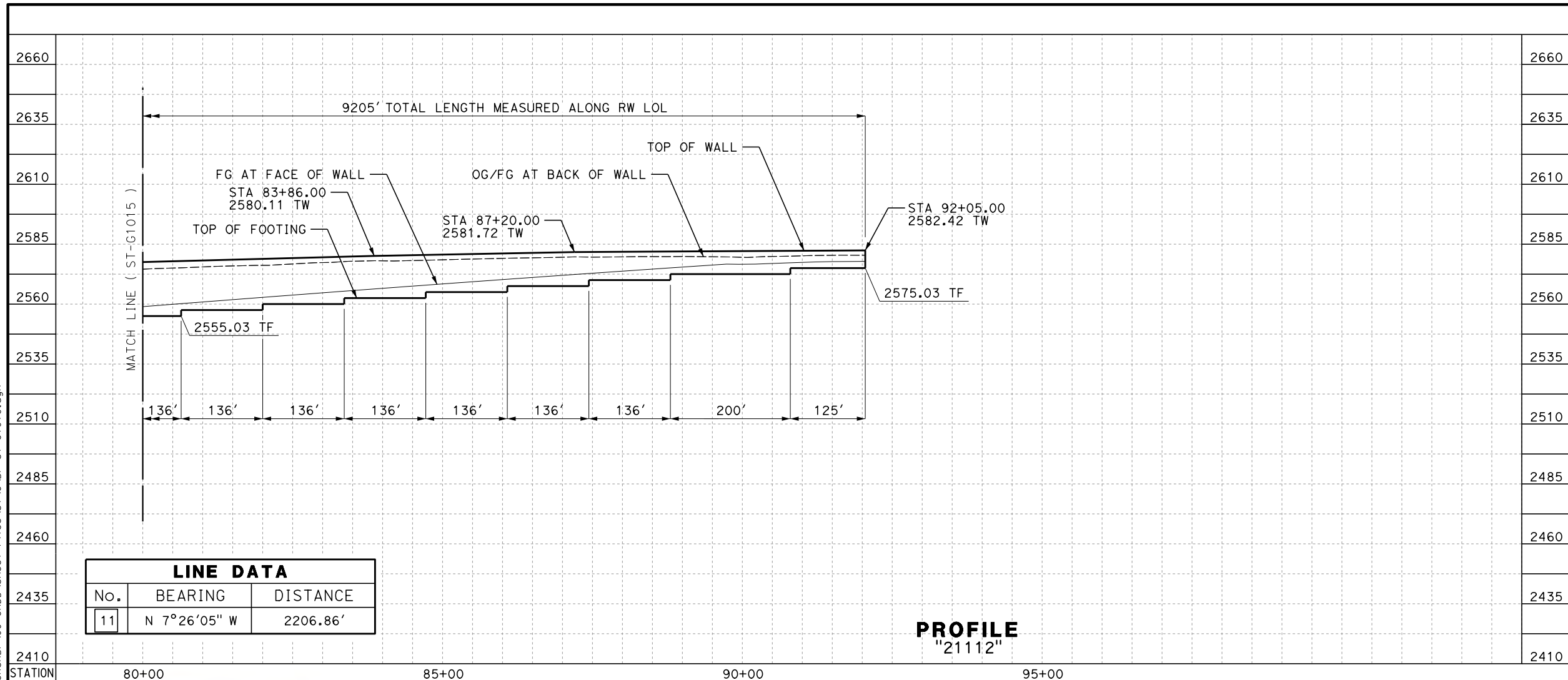
DRAWING NO.
ST-G1015

SCALE
AS SHOWN

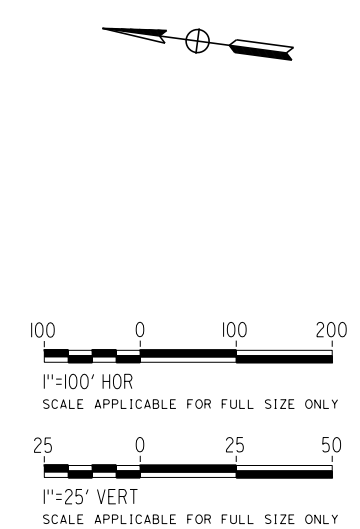
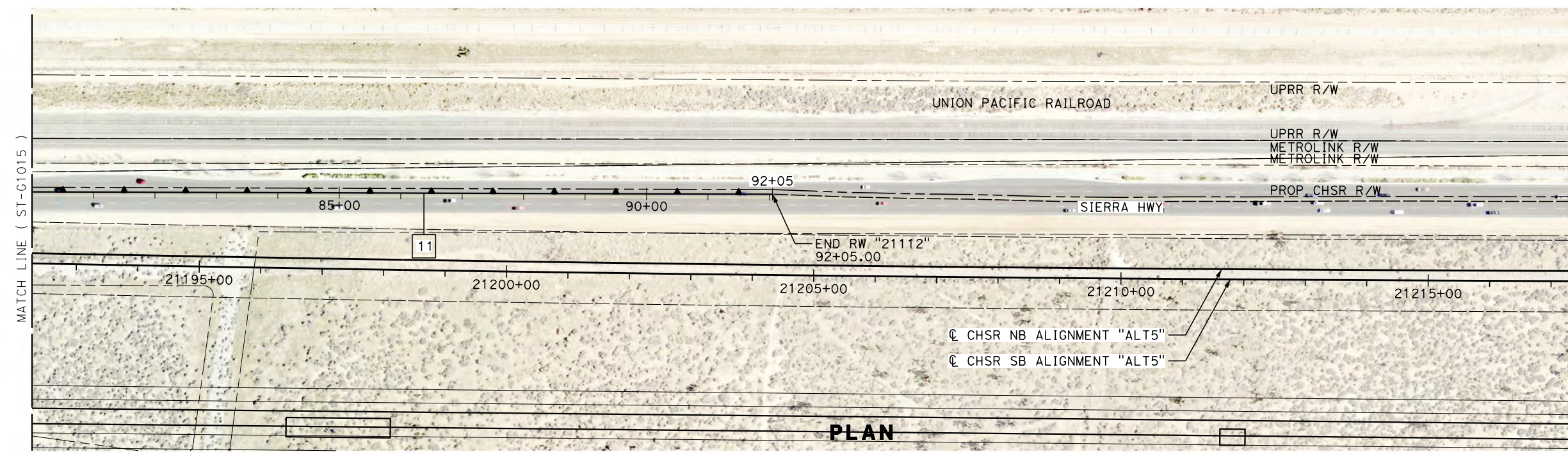
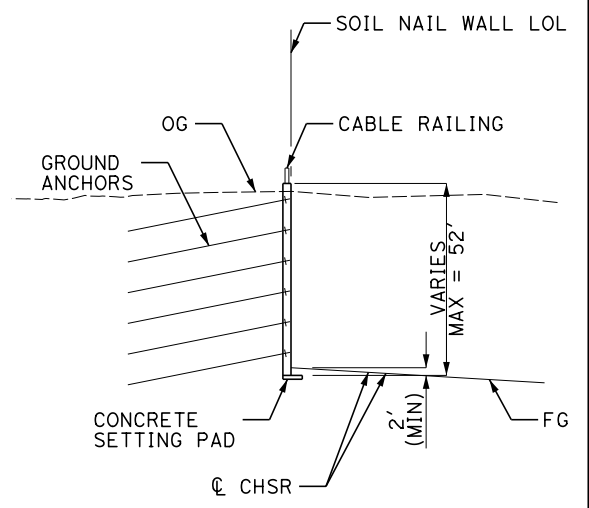
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1016.dgn

OIC:ARivera 11/3/2017 4:14:42 PM



LINE DATA		
No.	BEARING	DISTANCE
11	N 7°26'05" W	2206.86'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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A. DODGE
CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

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CONSTRUCTION**

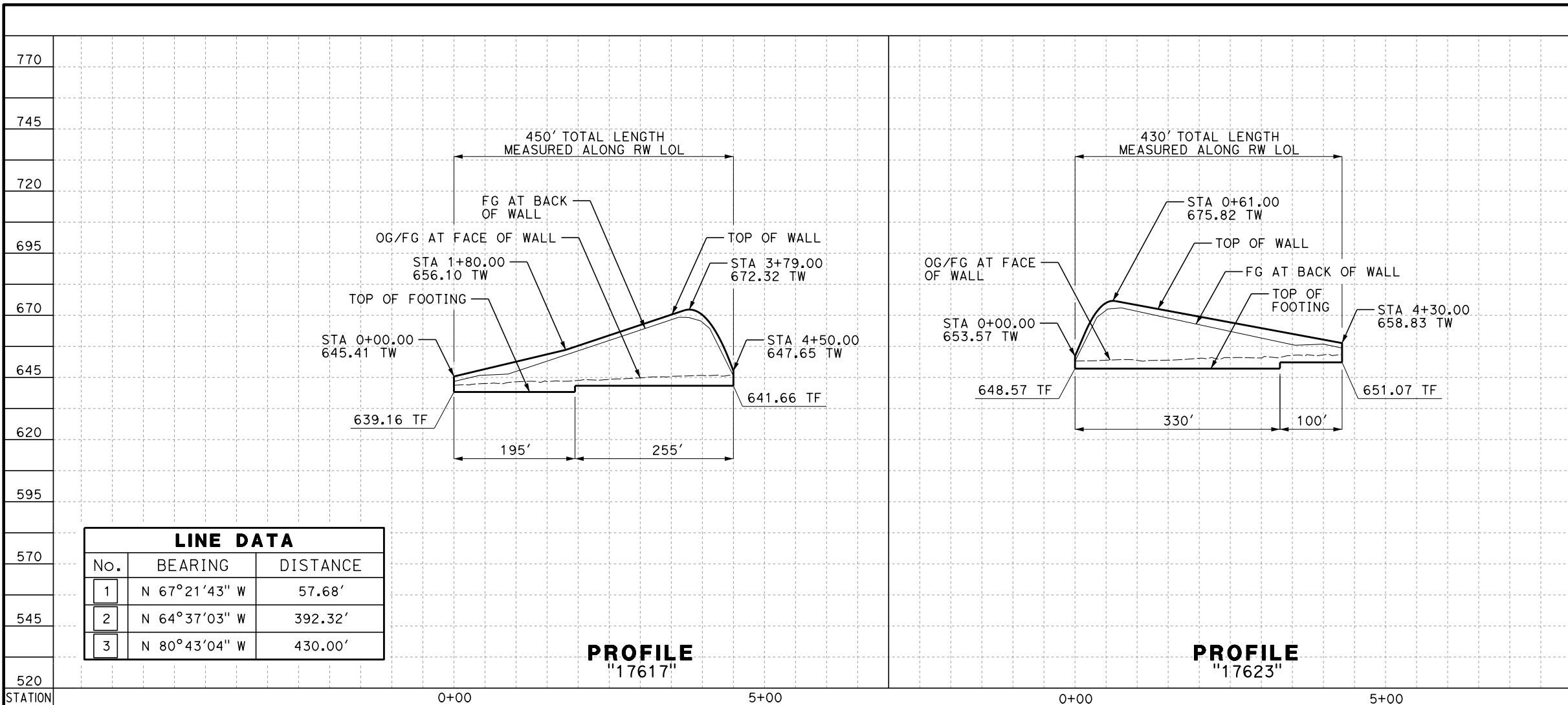


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 5
RETAINING WALL
21112
PLAN AND PROFILE

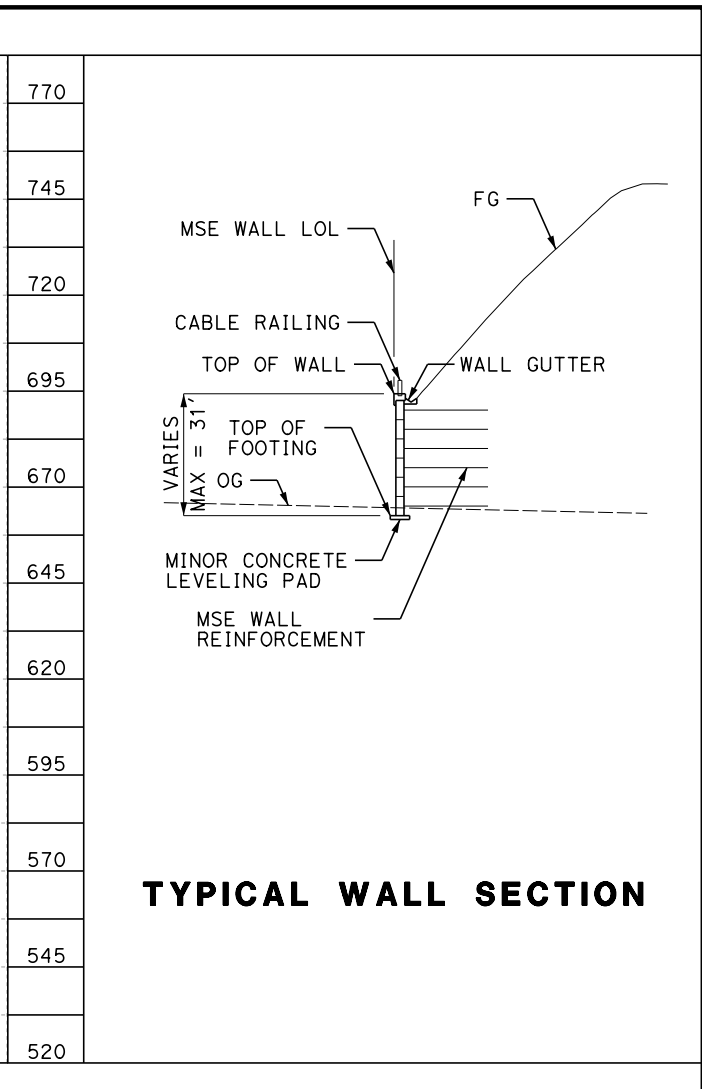
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HSR13-44
DRAWING NO.
ST-G1016
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\ANG\BP-ST-G1017.dgn

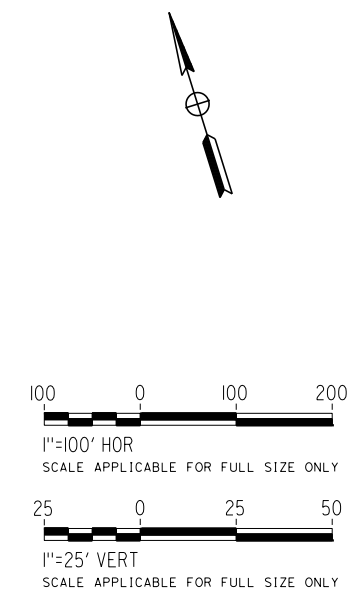
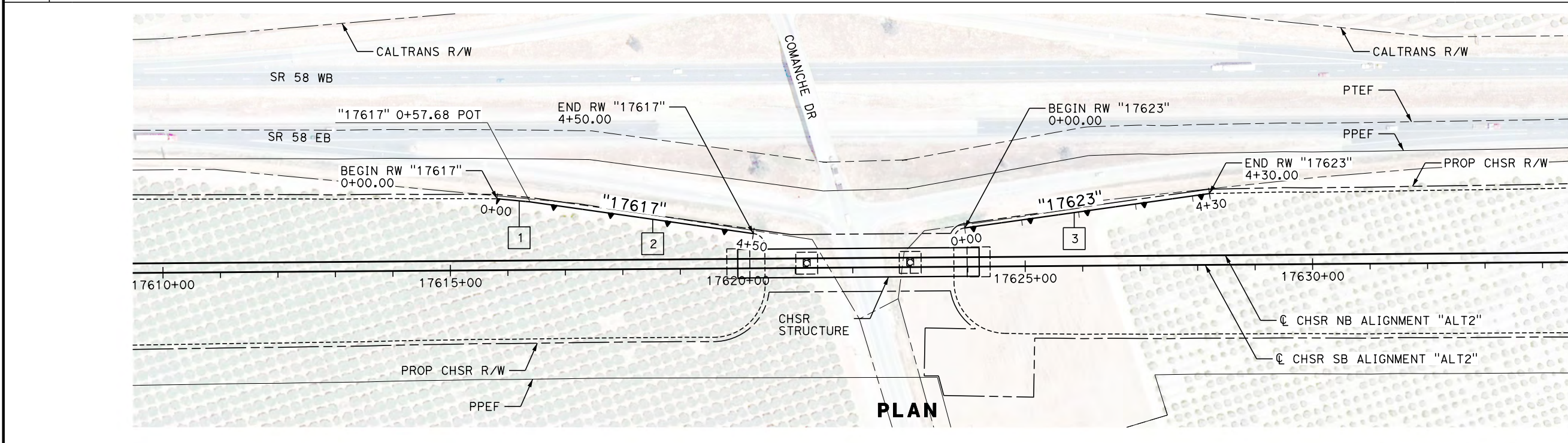
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LINE DATA		
No.	BEARING	DISTANCE
1	N 67°21'43" W	57.68'
2	N 64°37'03" W	392.32'
3	N 80°43'04" W	430.00'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

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

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PEPD
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CONSTRUCTION**



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

ALTERNATIVE 2
RETAINING WALL
17617 AND 17623
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

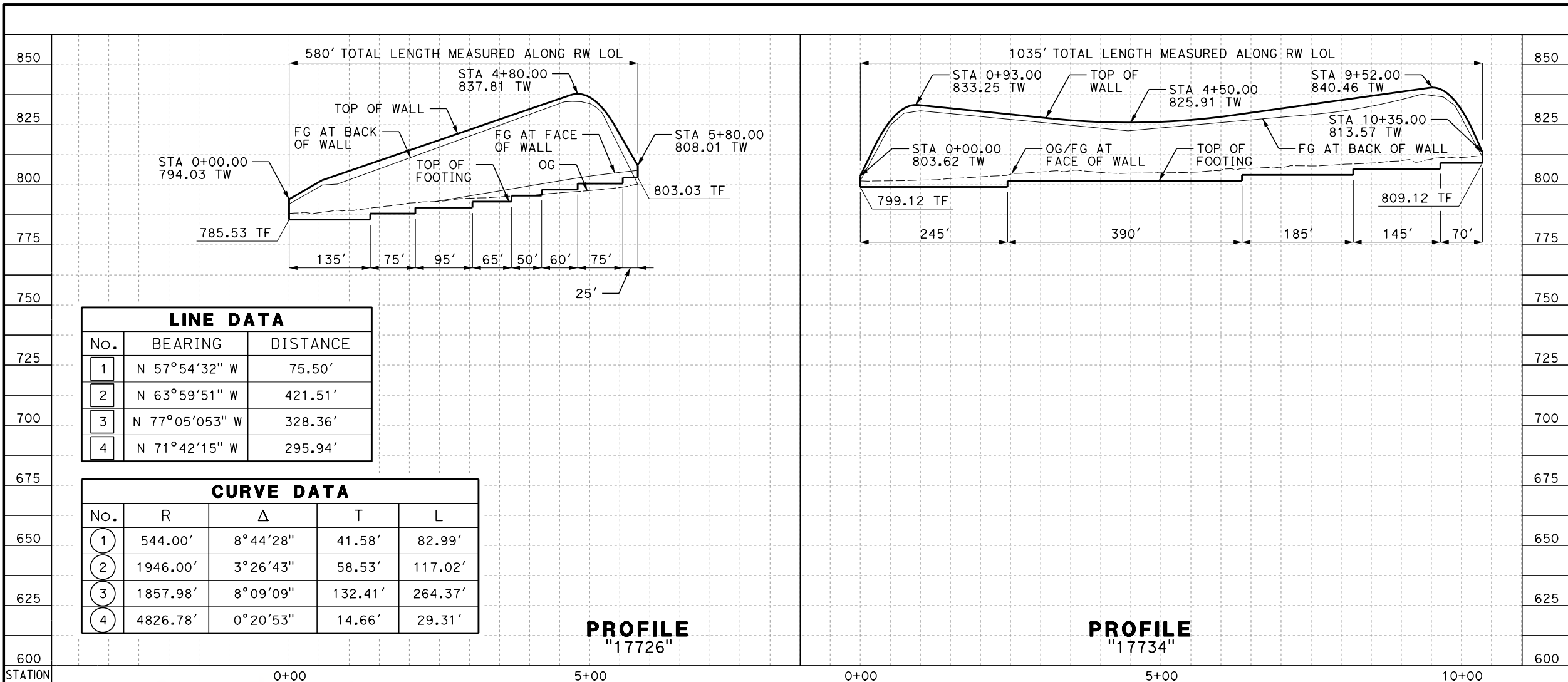
DRAWING NO.
ST-G1017

SCALE
AS SHOWN

SHEET NO.

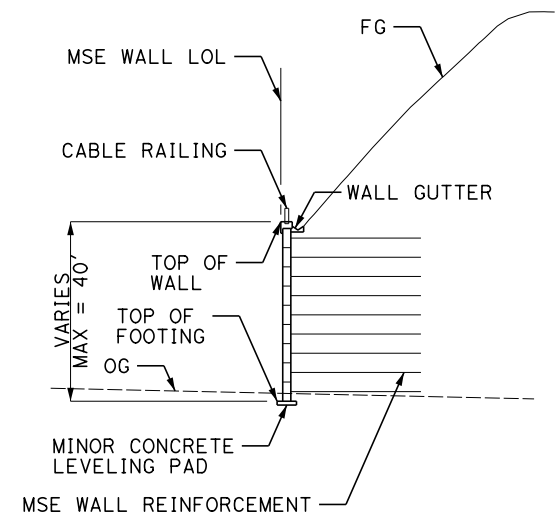
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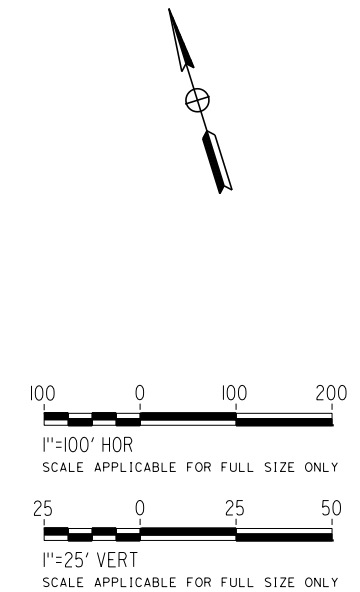
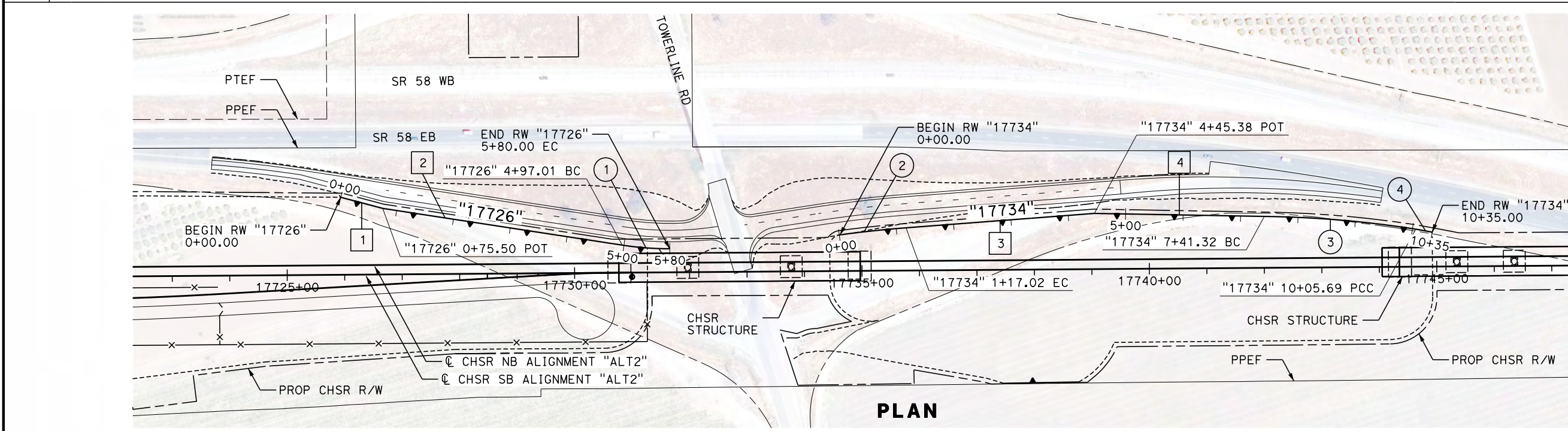


LINE DATA		
No.	BEARING	DISTANCE
1	N 57°54'32" W	75.50'
2	N 63°59'51" W	421.51'
3	N 77°05'053" W	328.36'
4	N 71°42'15" W	295.94'

CURVE DATA				
No.	R	Δ	T	L
1	544.00'	8°44'28"	41.58'	82.99'
2	1946.00'	3°26'43"	58.53'	117.02'
3	1857.98'	8°09'09"	132.41'	264.37'
4	4826.78'	0°20'53"	14.66'	29.31'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



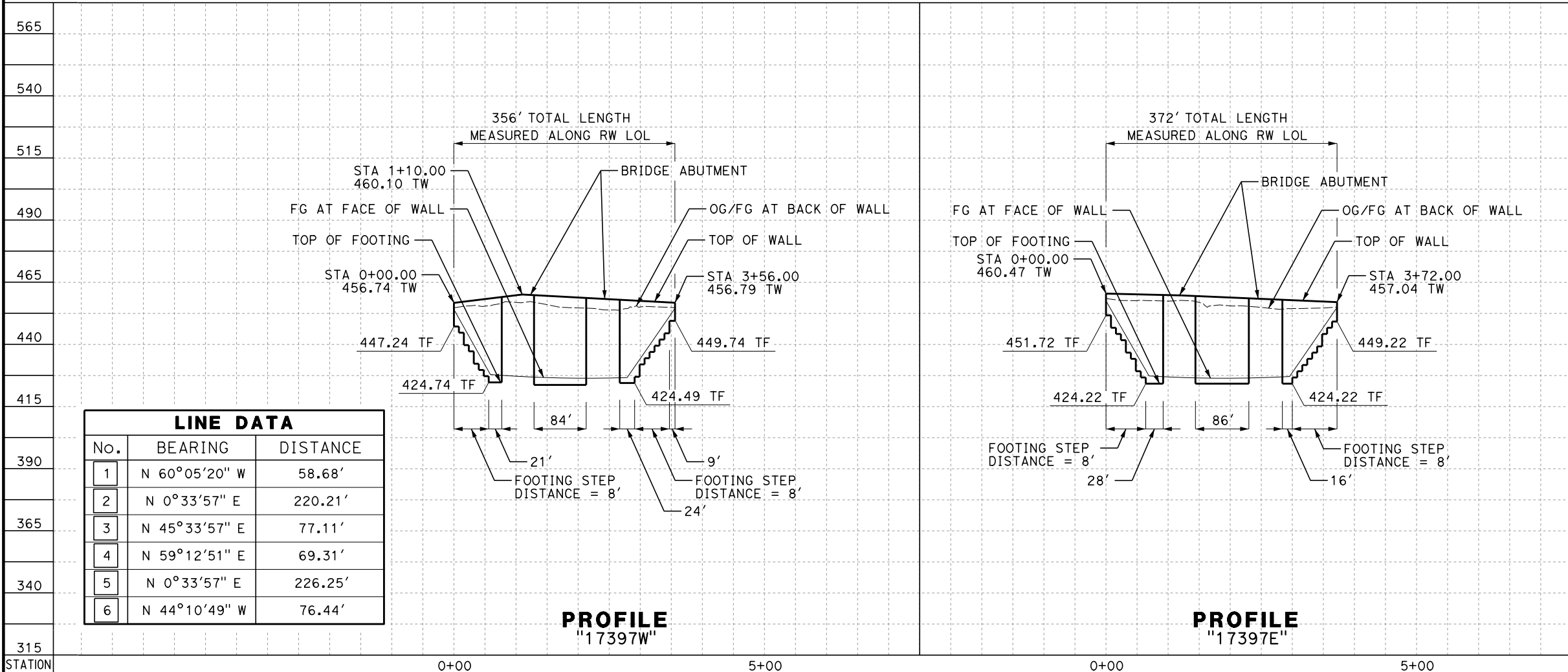
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
RETAINING WALL
17726 AND 17734
PLAN AND PROFILE

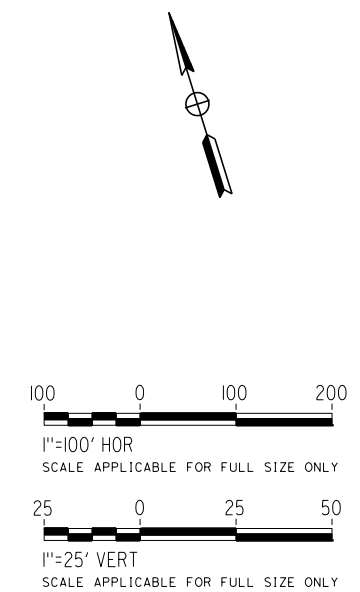
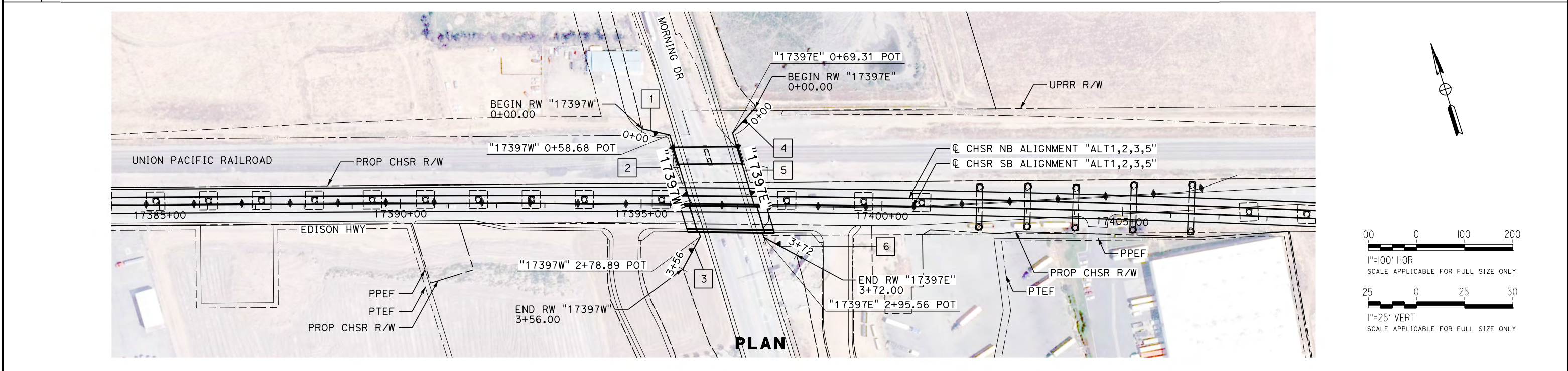
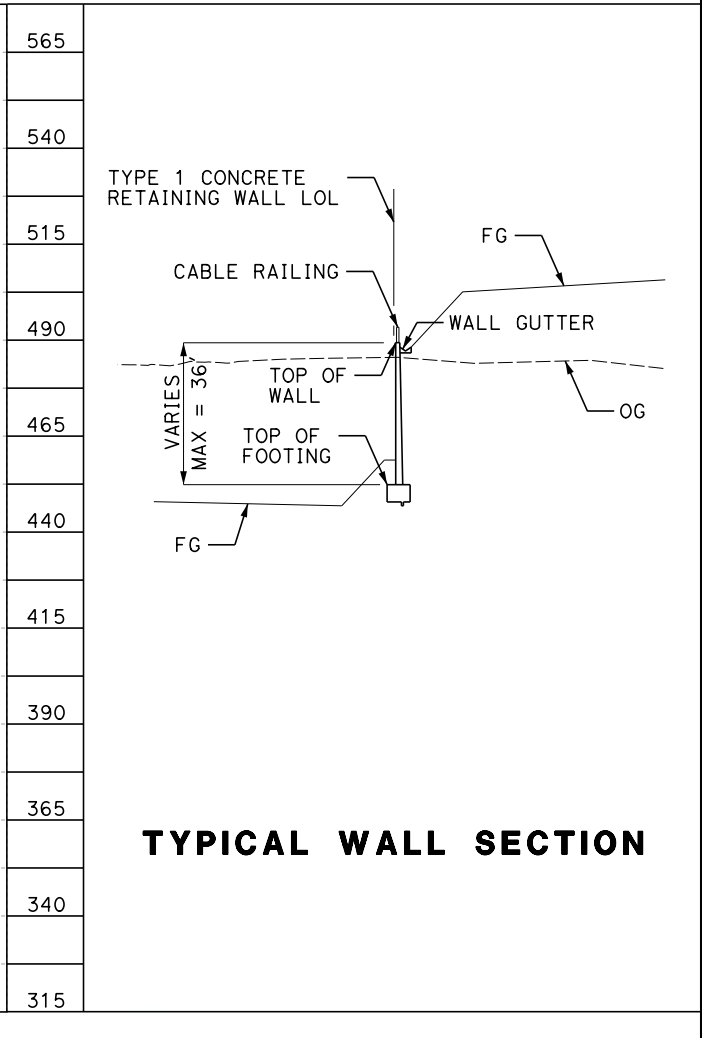
CONTRACT NO.
HSR13-44
DRAWING NO.
ST-G1018
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1019.dgn

OIC:ARivera 11/3/2017 4:13:58 PM



LINE DATA		
No.	BEARING	DISTANCE
1	N 60°05'20" W	58.68'
2	N 0°33'57" E	220.21'
3	N 45°33'57" E	77.11'
4	N 59°12'51" E	69.31'
5	N 0°33'57" E	226.25'
6	N 44°10'49" W	76.44'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
MORNING DRIVE
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

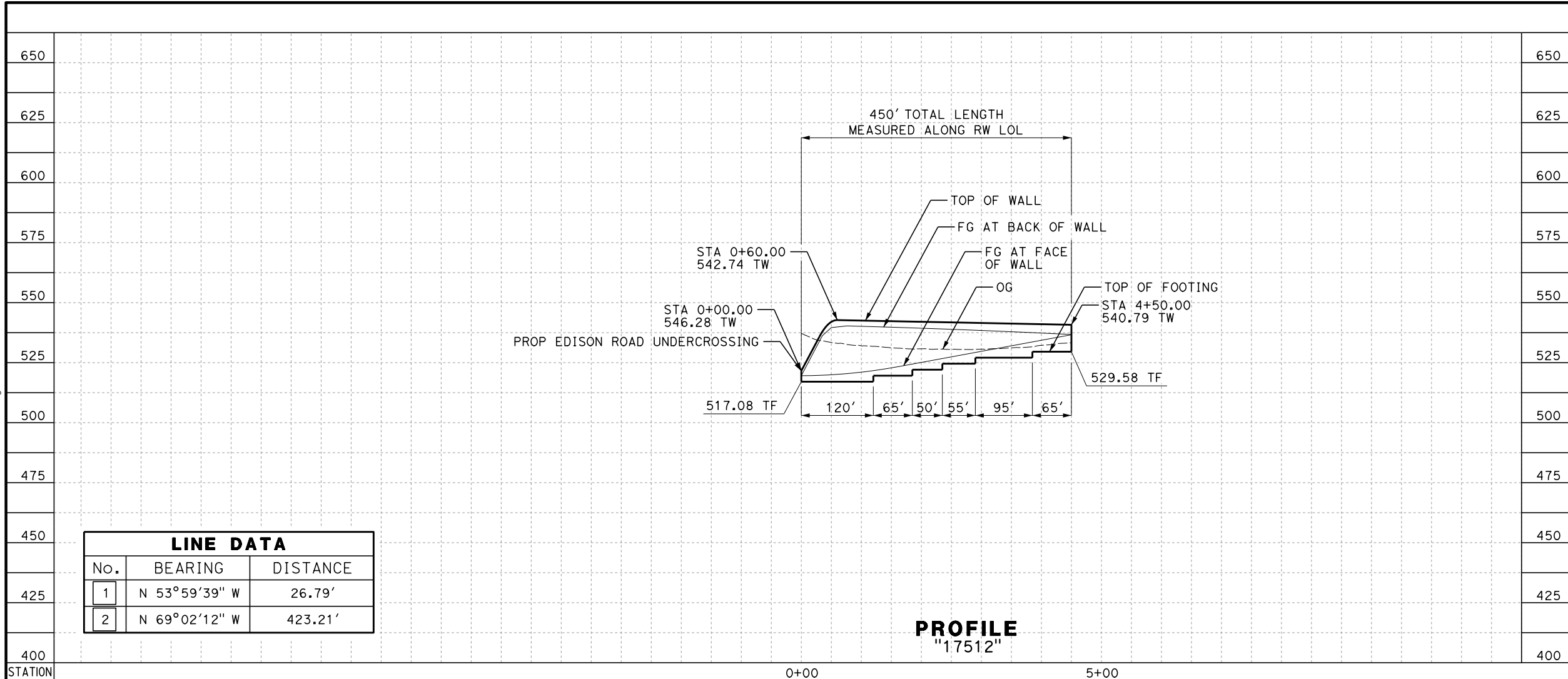
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ST-G1019

SCALE
AS SHOWN

SHEET NO.

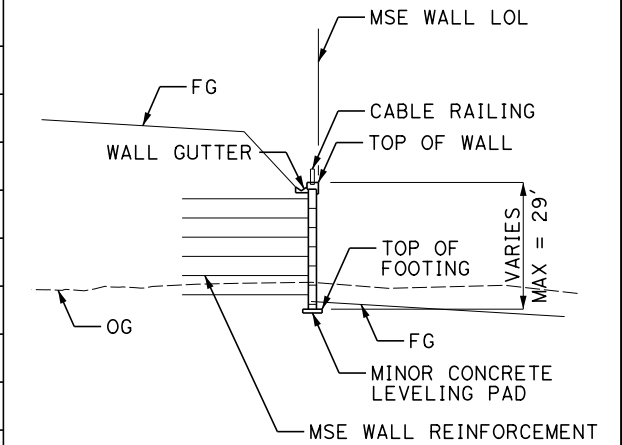
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OIC:ARivera 11/23/2017 4:13:43 PM

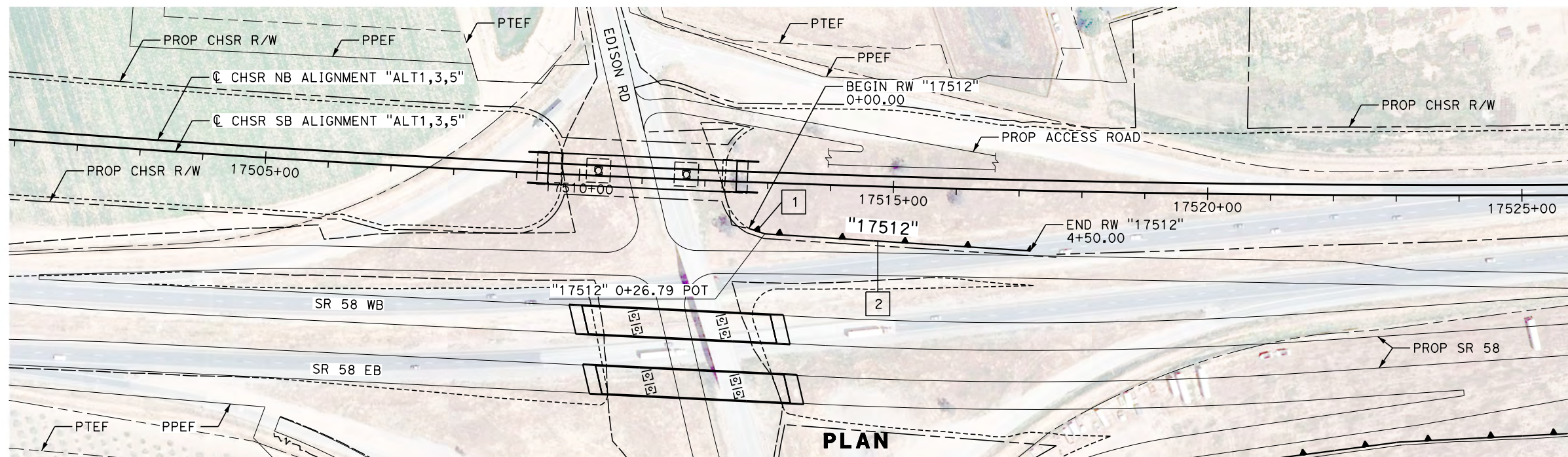


LINE DATA		
No.	BEARING	DISTANCE
1	N 53°59'39" W	26.79'
2	N 69°02'12" W	423.21'

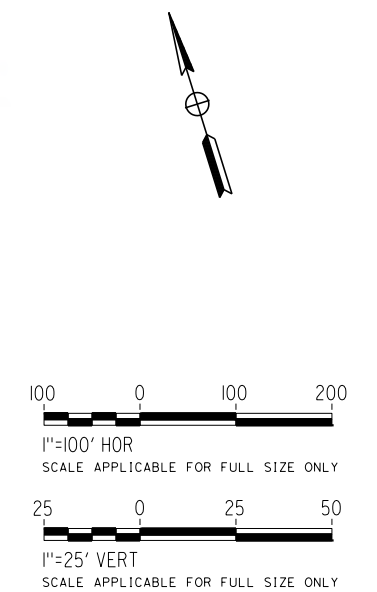
PROFILE
"17512"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

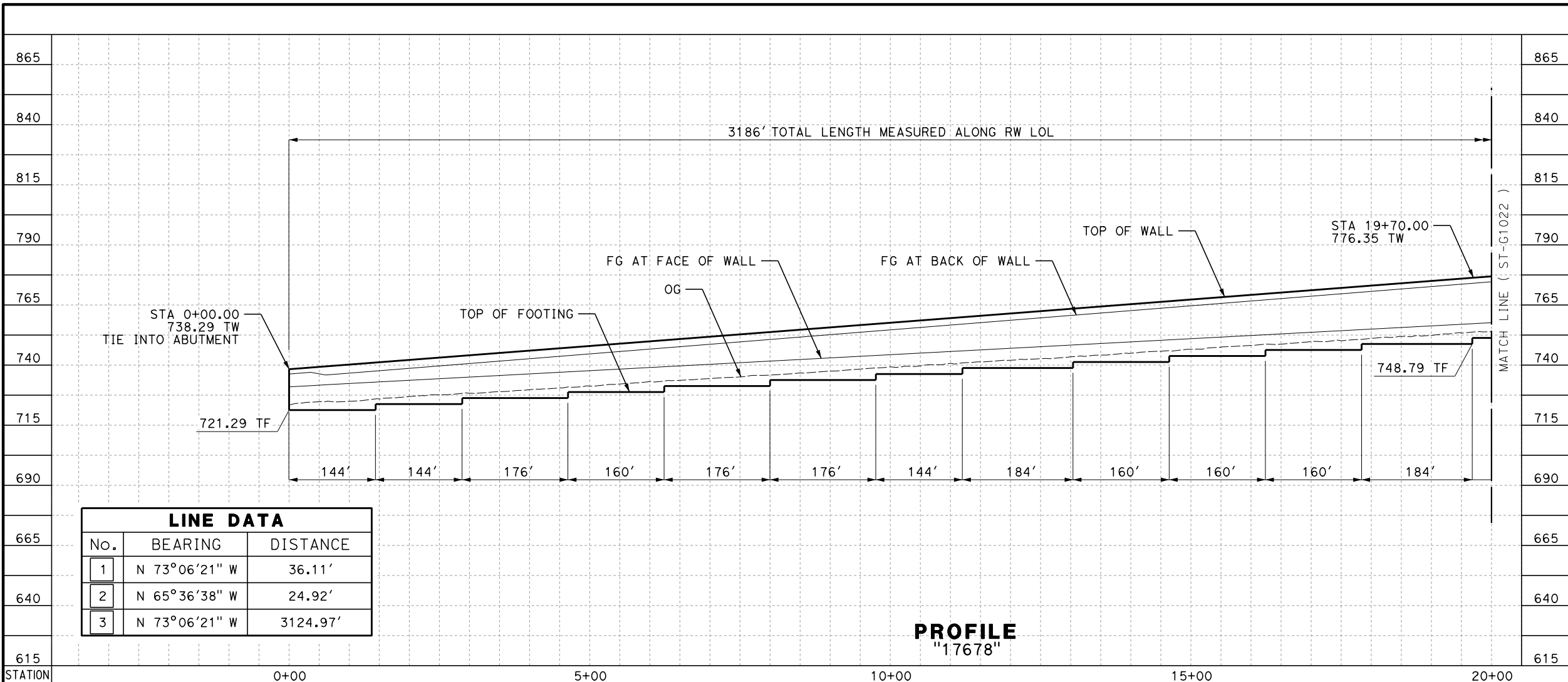


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,3,5
RETAINING WALL
EDISON ROAD
PLAN AND PROFILE

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

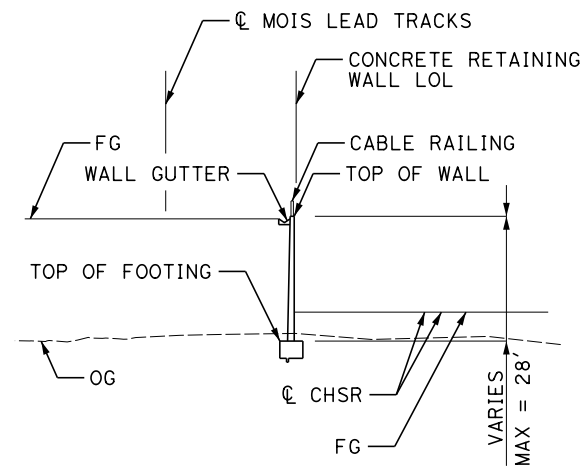
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QIC:ARIVEGA 11/23/2017 4:13:50 PM

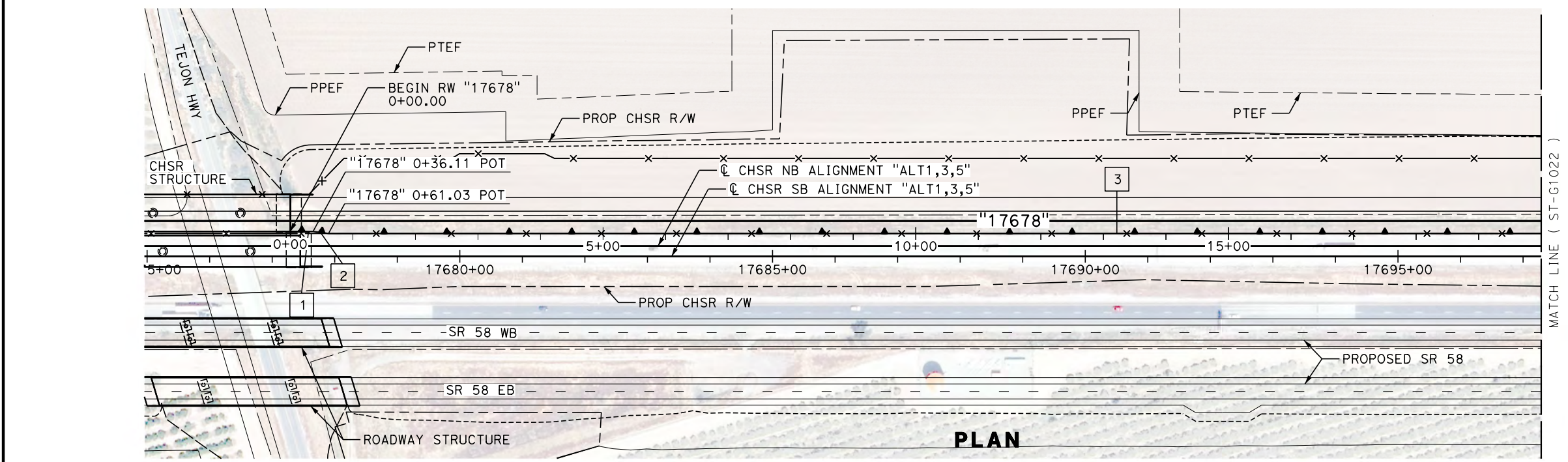


LINE DATA		
No.	BEARING	DISTANCE
1	N 73°06'21" W	36.11'
2	N 65°36'38" W	24.92'
3	N 73°06'21" W	3124.97'

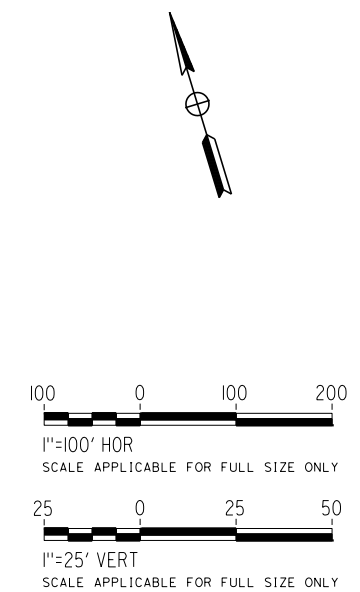
PROFILE
"17678"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
EDISON MOIS
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

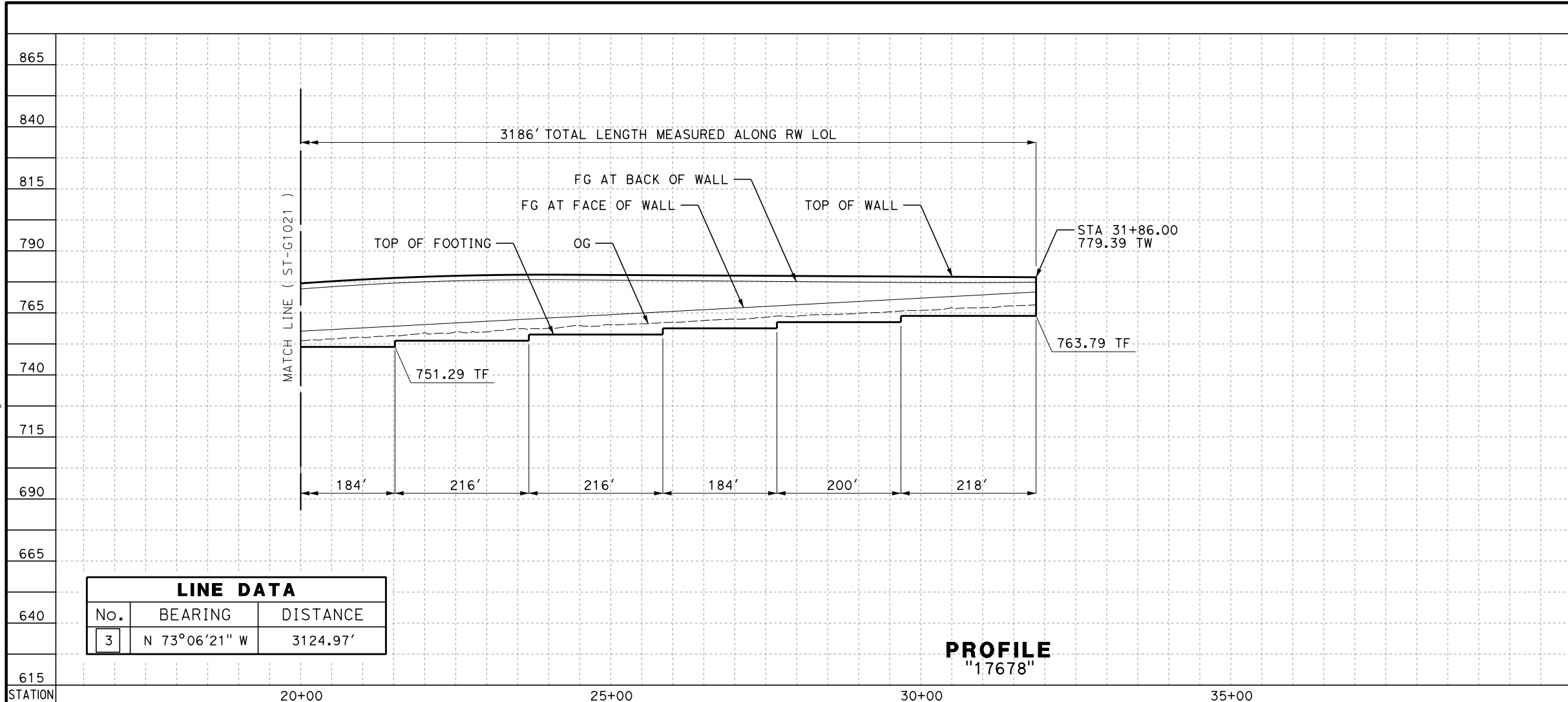
DRAWING NO.
ST-G1021

SCALE
AS SHOWN

SHEET NO.

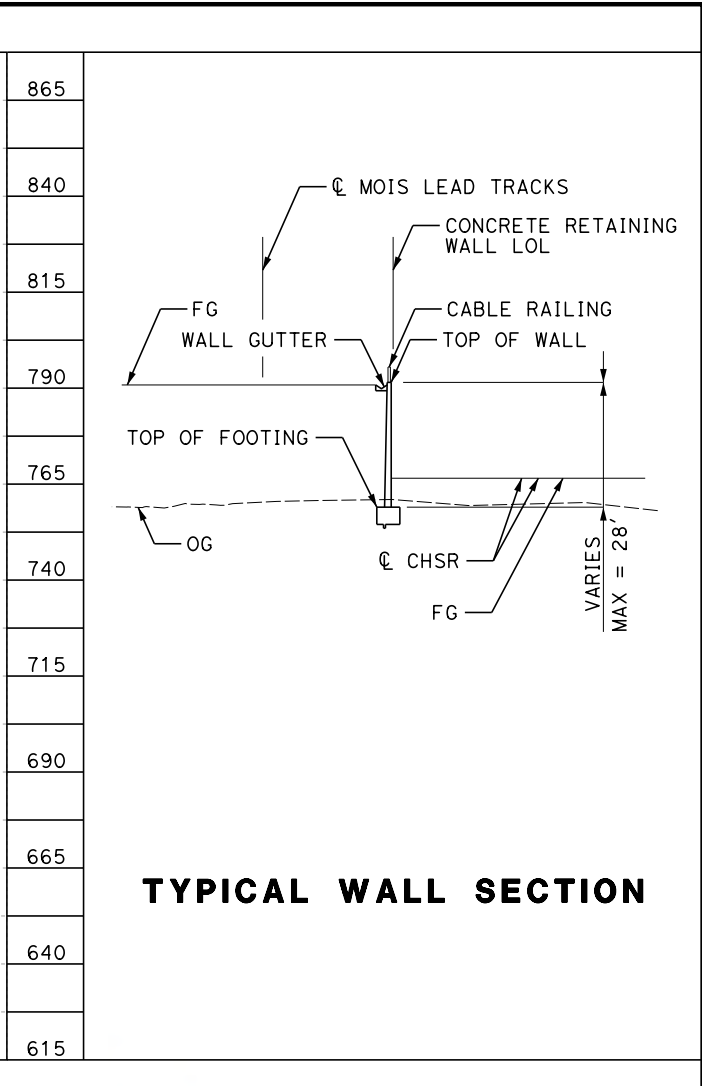
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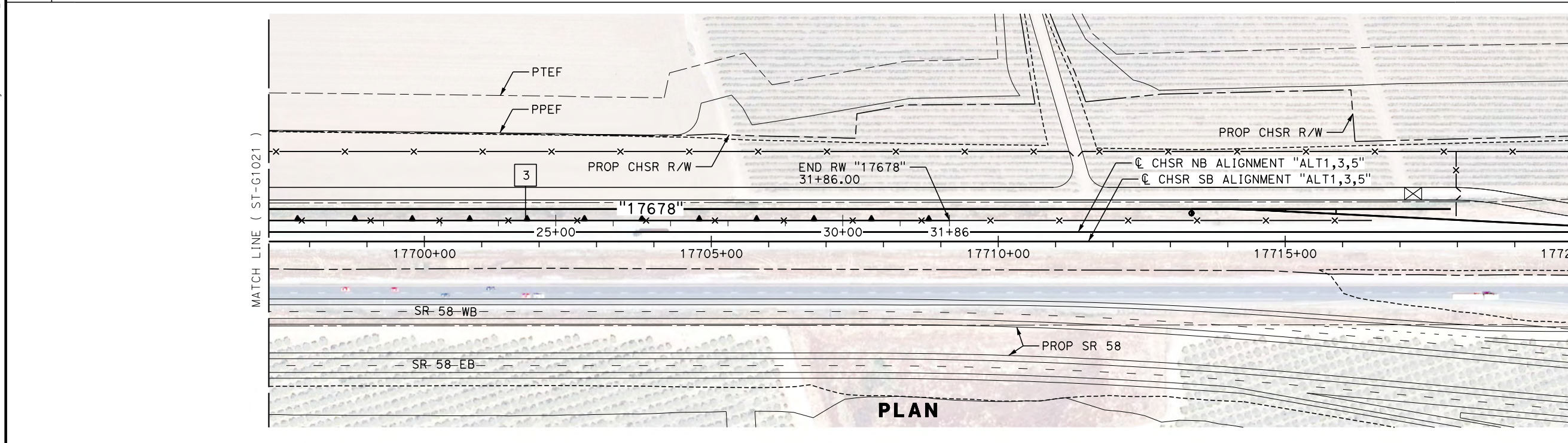


LINE DATA		
No.	BEARING	DISTANCE
3	N 73°06'21" W	3124.97'

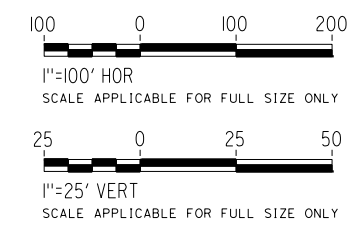
PROFILE
"17678"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
EDISON MOIS
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

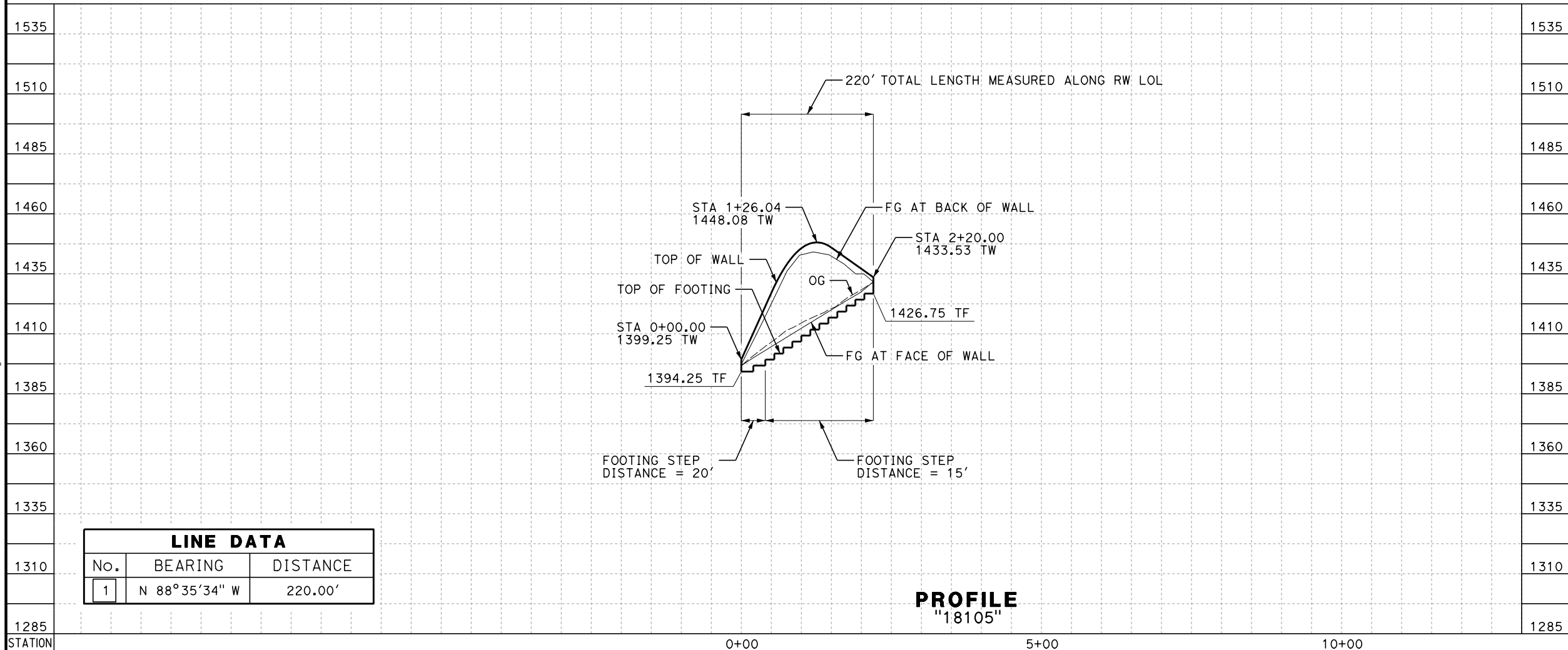
DRAWING NO.
ST-G1022

SCALE
AS SHOWN

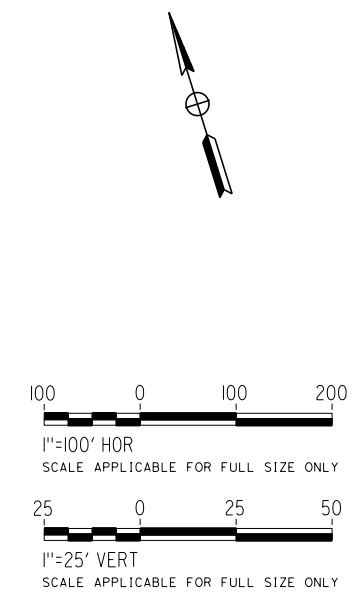
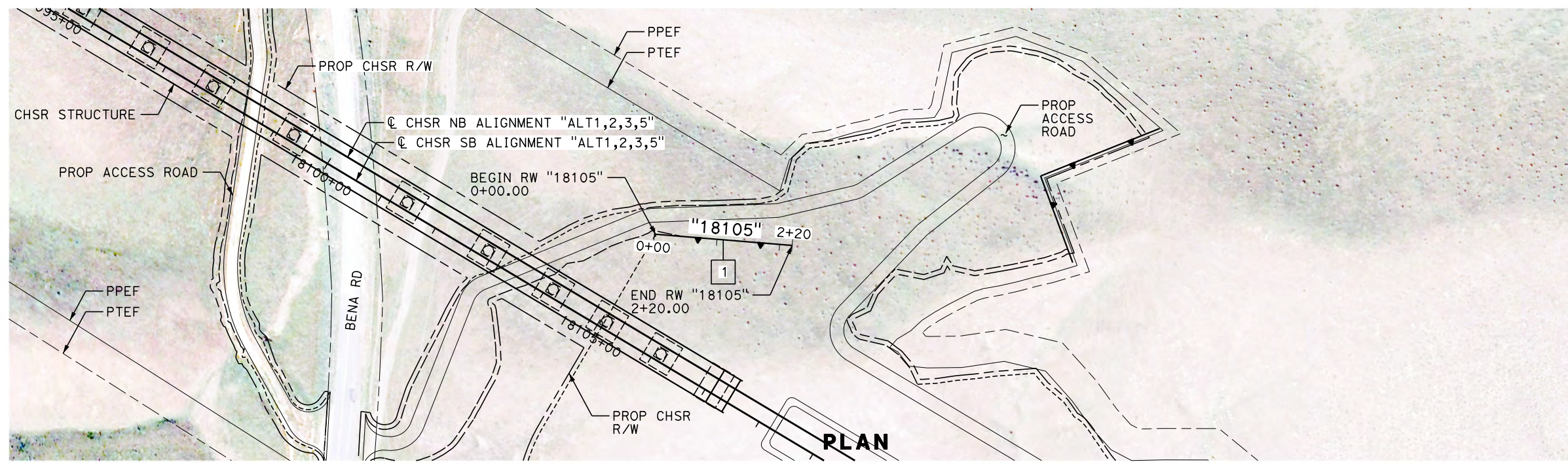
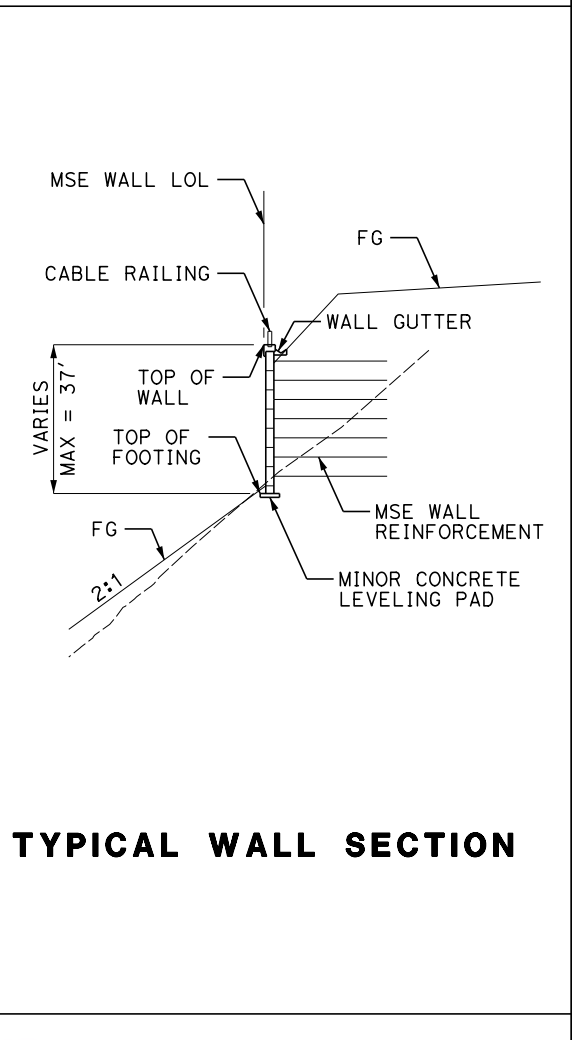
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1023.dgn

OIC:ARivera 11/3/2017 4:15:19 PM



LINE DATA		
No.	BEARING	DISTANCE
1	N 88° 35' 34" W	220.00'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
ACCESS ROAD
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

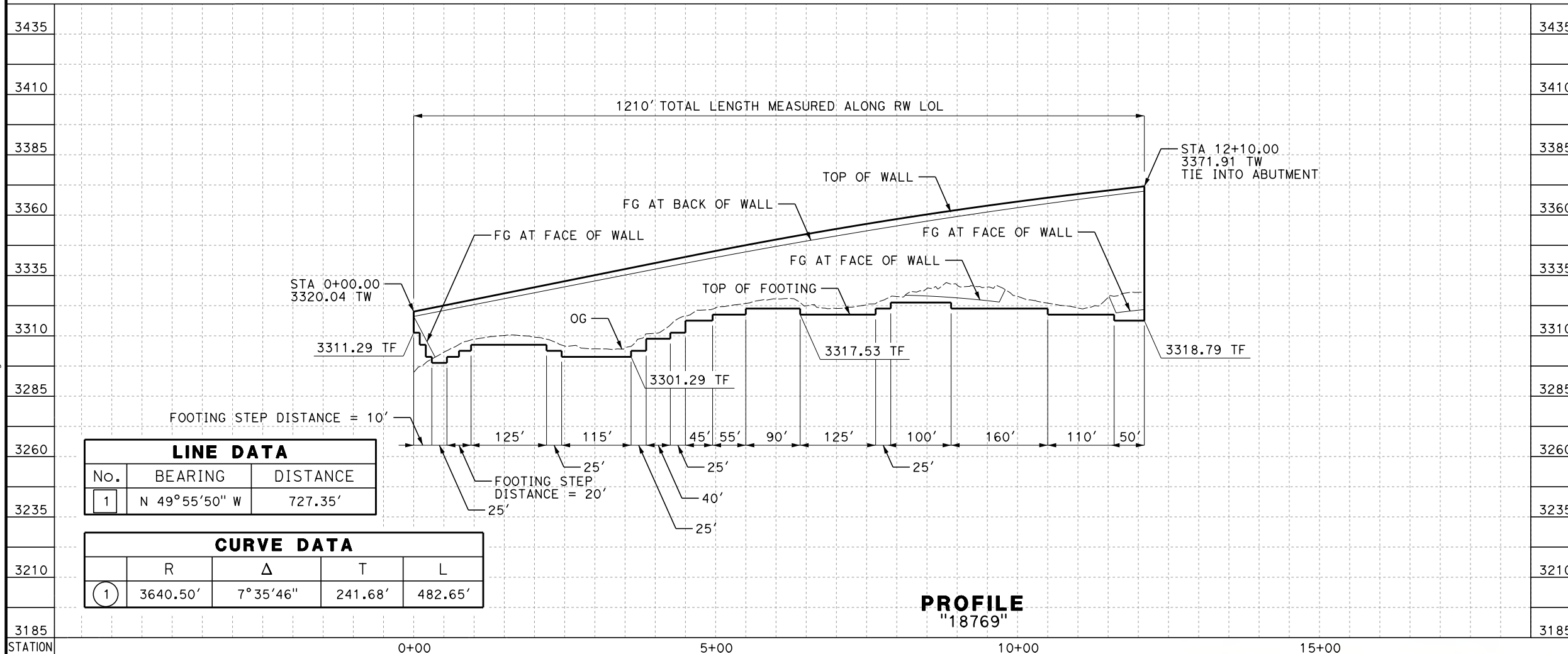
DRAWING NO.
ST-G1023

SCALE
AS SHOWN

SHEET NO.

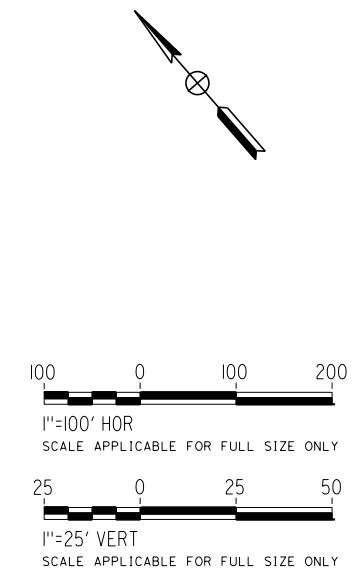
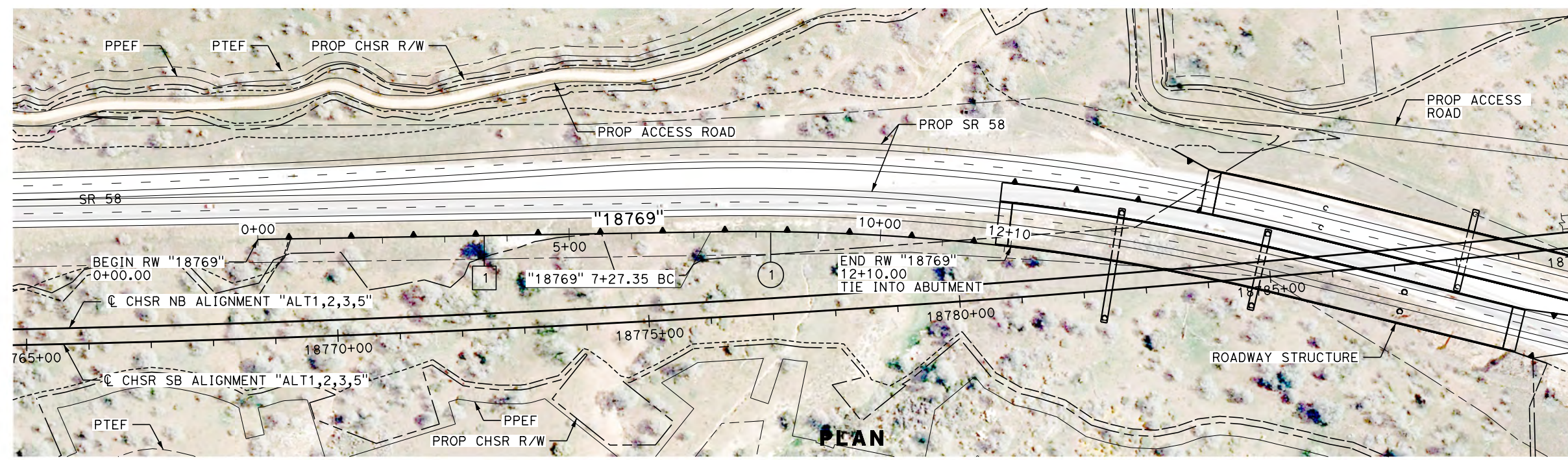
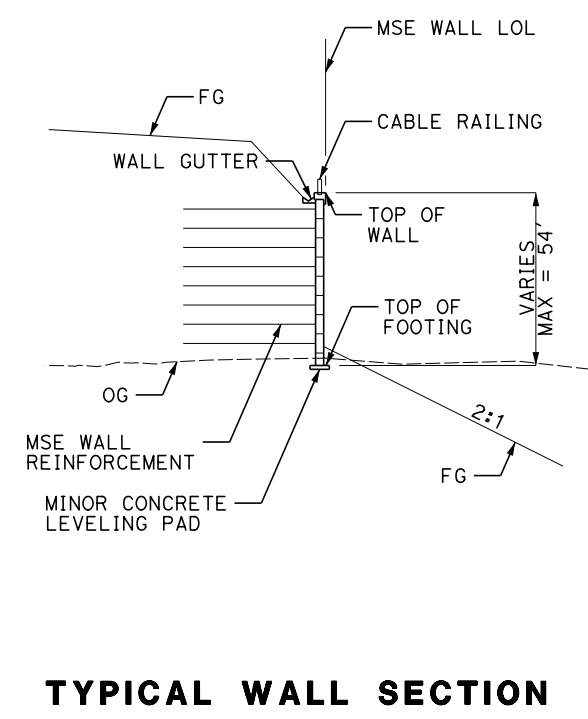
Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1024.dgn

OIC:ARivera 11/3/2017 4:13:22 PM



LINE DATA		
No.	BEARING	DISTANCE
1	N 49°55'50" W	727.35'

CURVE DATA				
	R	Δ	T	L
1	3640.50'	7°35'46"	241.68'	482.65'



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



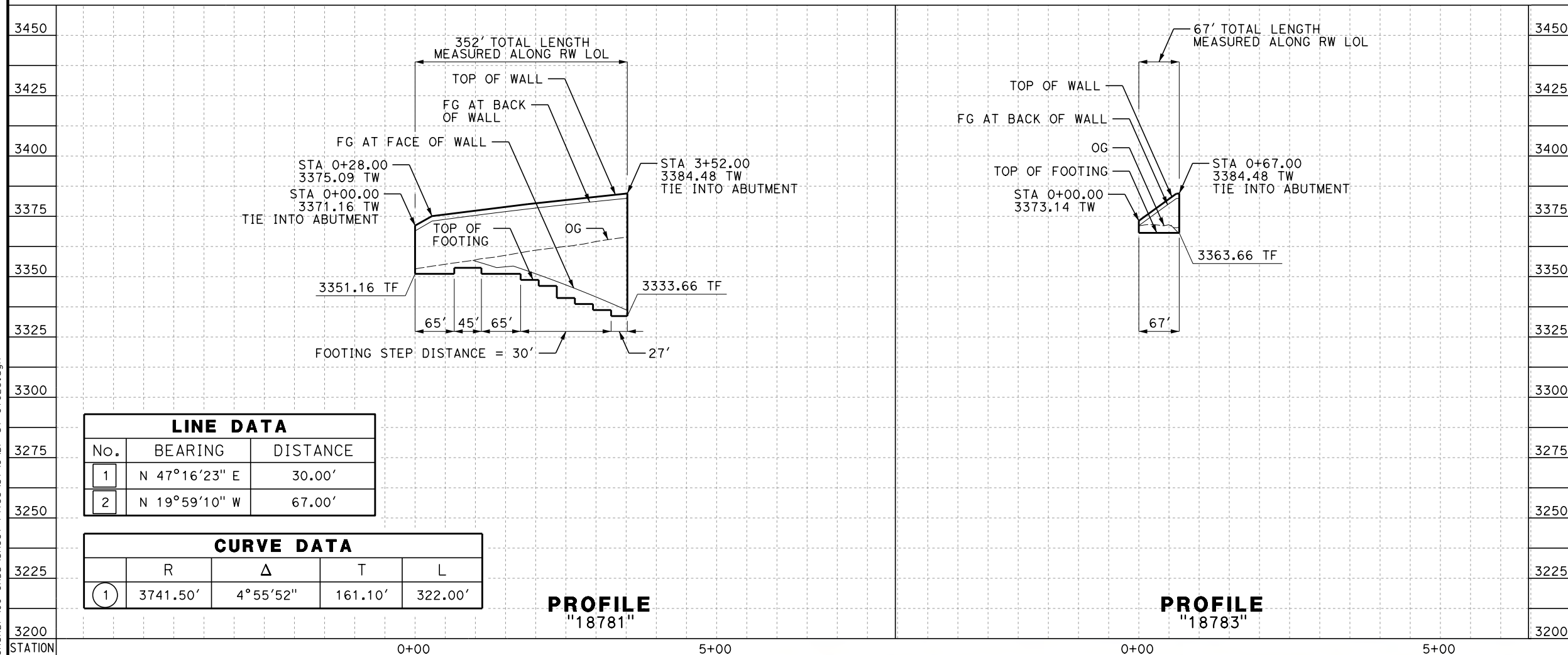
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3,5
RETAINING WALL
18769 (STATE ROUTE 58)
PLAN AND PROFILE

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

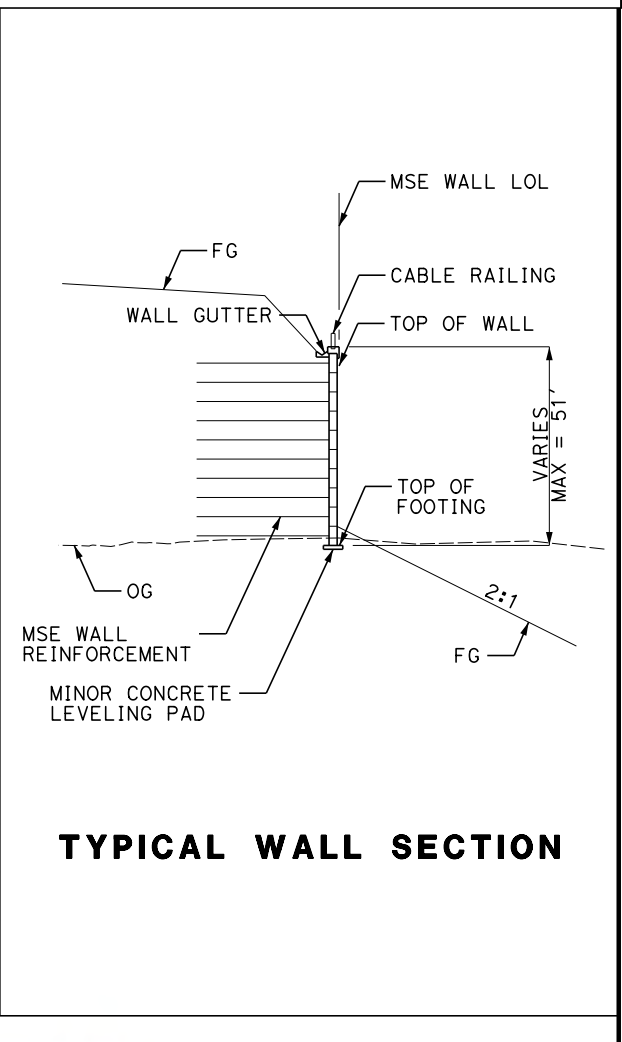
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OIC:ARIVERA 11/23/2017 4:14:14 PM

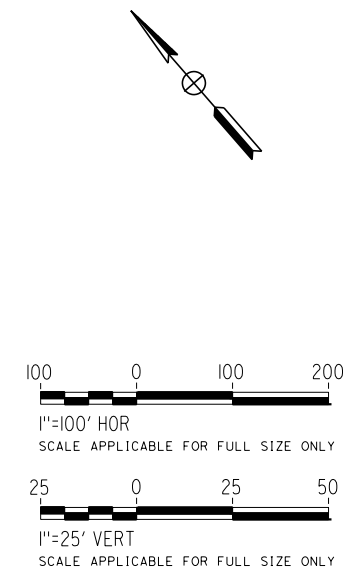
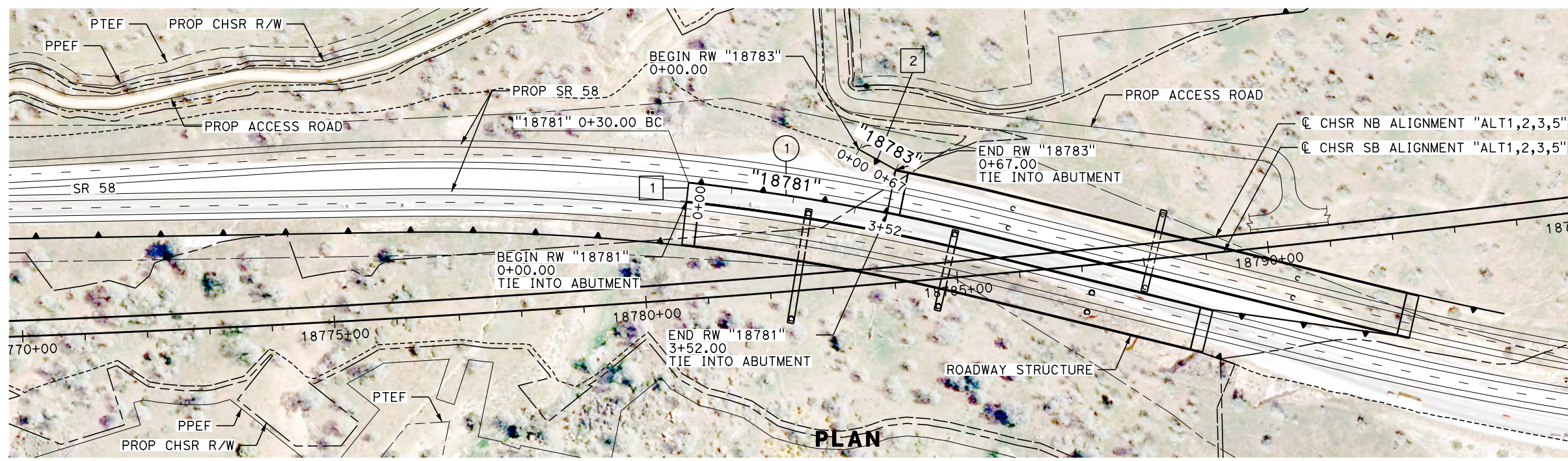


LINE DATA		
No.	BEARING	DISTANCE
1	N 47°16'23" E	30.00'
2	N 19°59'10" W	67.00'

CURVE DATA				
	R	Δ	T	L
1	3741.50'	4°55'52"	161.10'	322.00'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

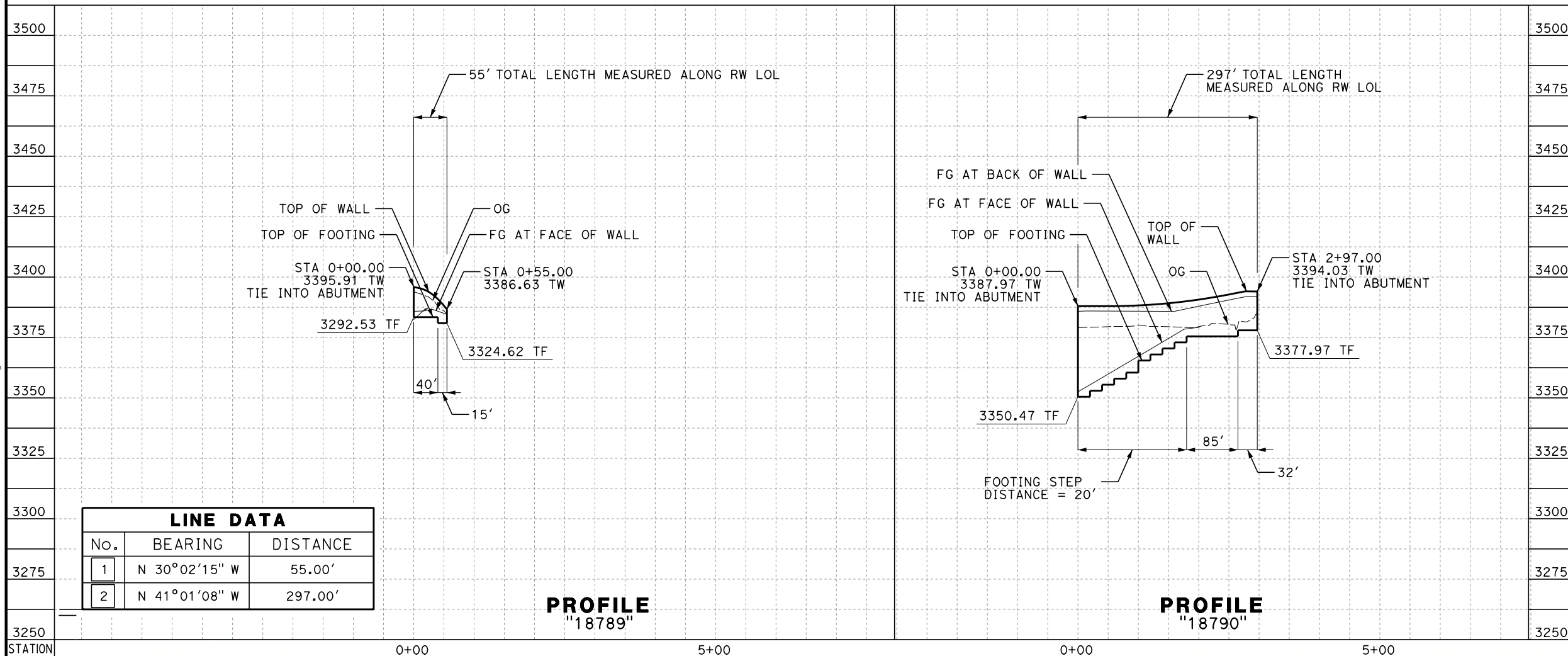


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
RETAINING WALL
18781 AND 18783 (STATE ROUTE 58)
PLAN AND PROFILE

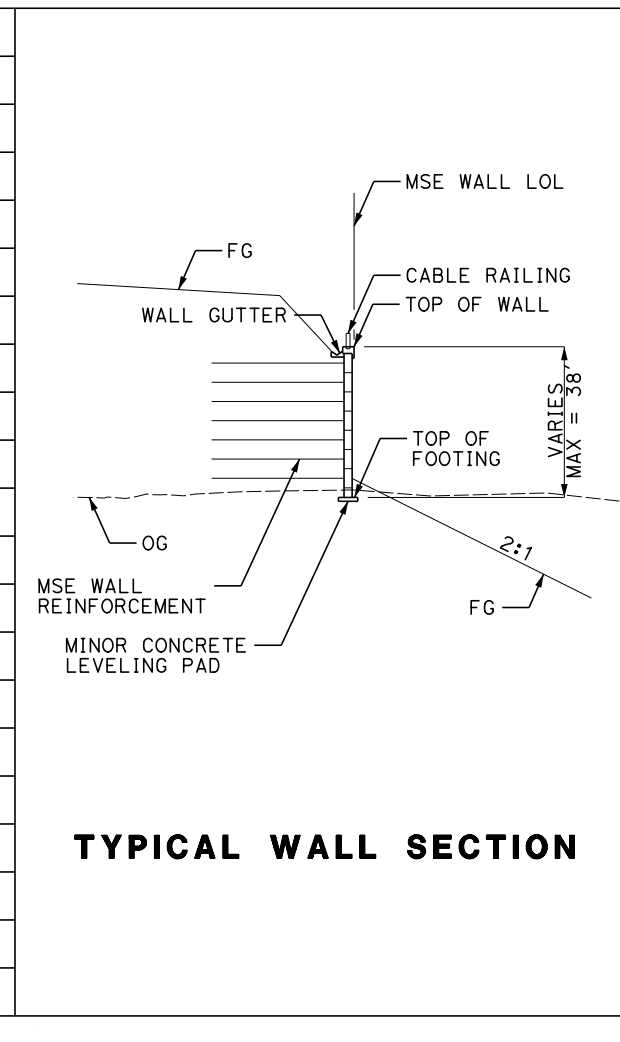
CONTRACT NO.
HSR13-44
DRAWING NO.
ST-G1025
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1026.dgn

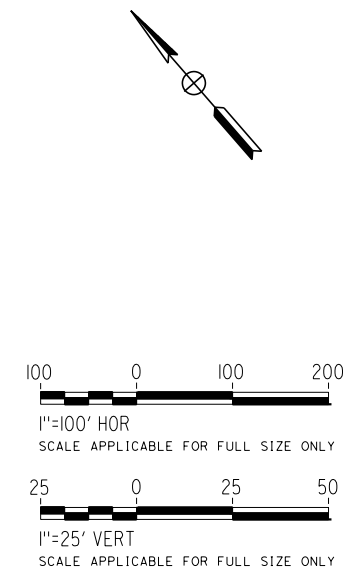
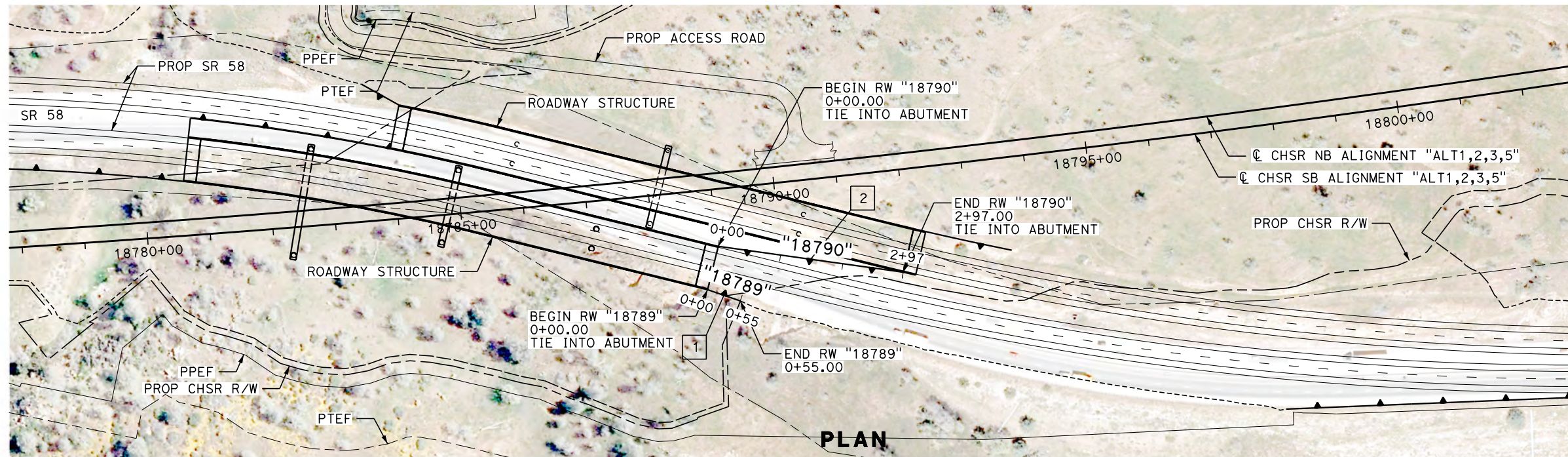
OIC:ARIVERA 11/23/2017 4:14:32 PM



LINE DATA		
No.	BEARING	DISTANCE
1	N 30°02'15" W	55.00'
2	N 41°01'08" W	297.00'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

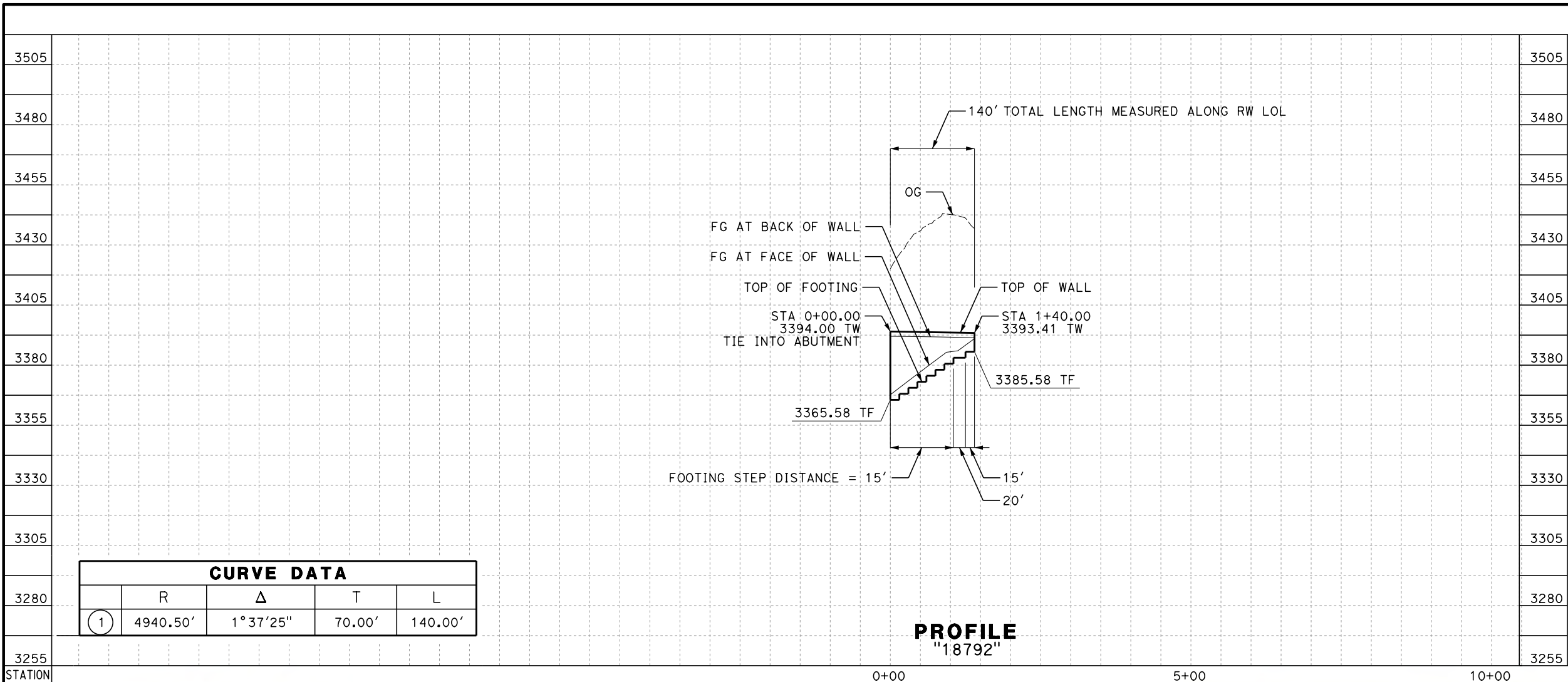


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3,5
RETAINING WALL
18789 AND 18790 (STATE ROUTE 58)
PLAN AND PROFILE

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

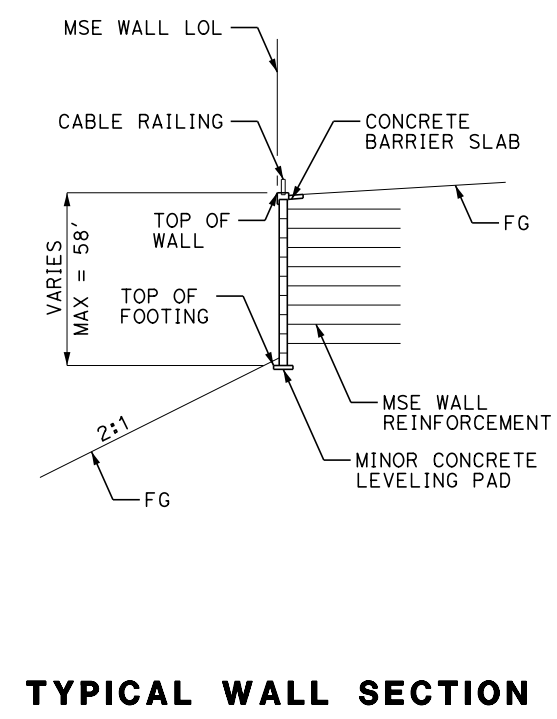
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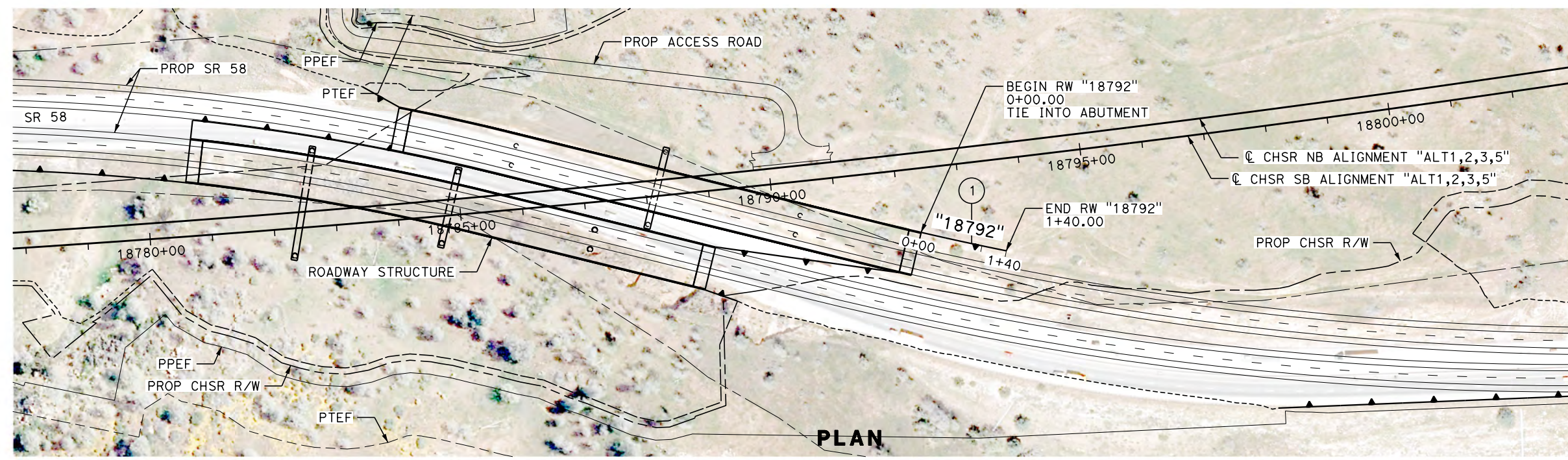


CURVE DATA				
	R	Δ	T	L
①	4940.50'	1°37'25"	70.00'	140.00'

PROFILE
"18792"



TYPICAL WALL SECTION



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

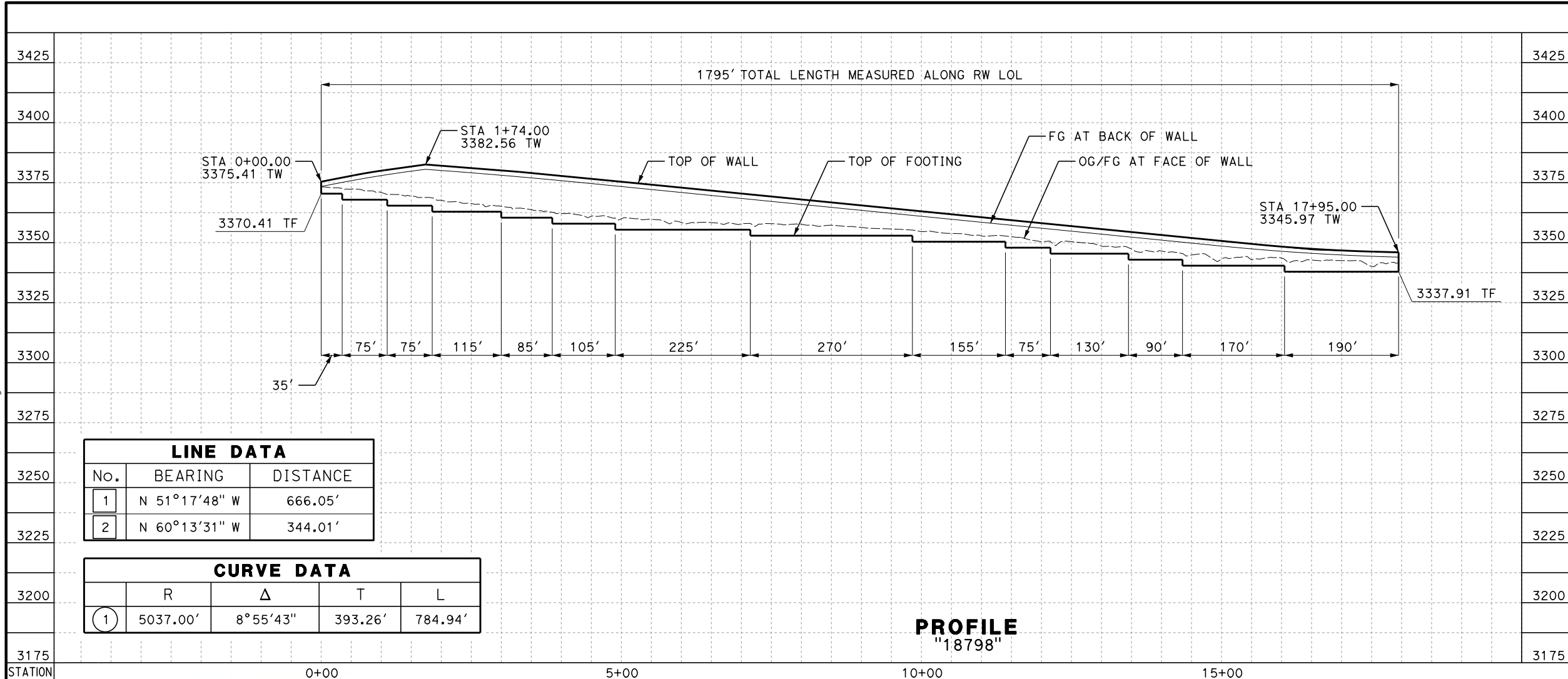


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
RETAINING WALL
18792 (STATE ROUTE 58)
PLAN AND PROFILE

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

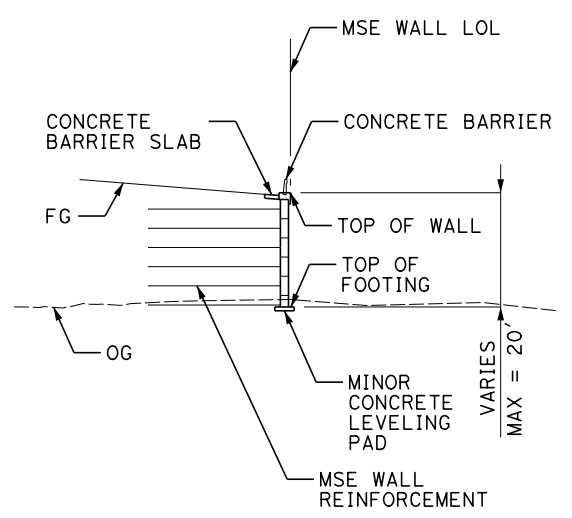
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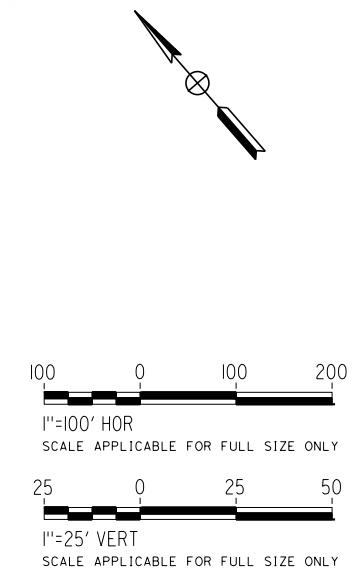
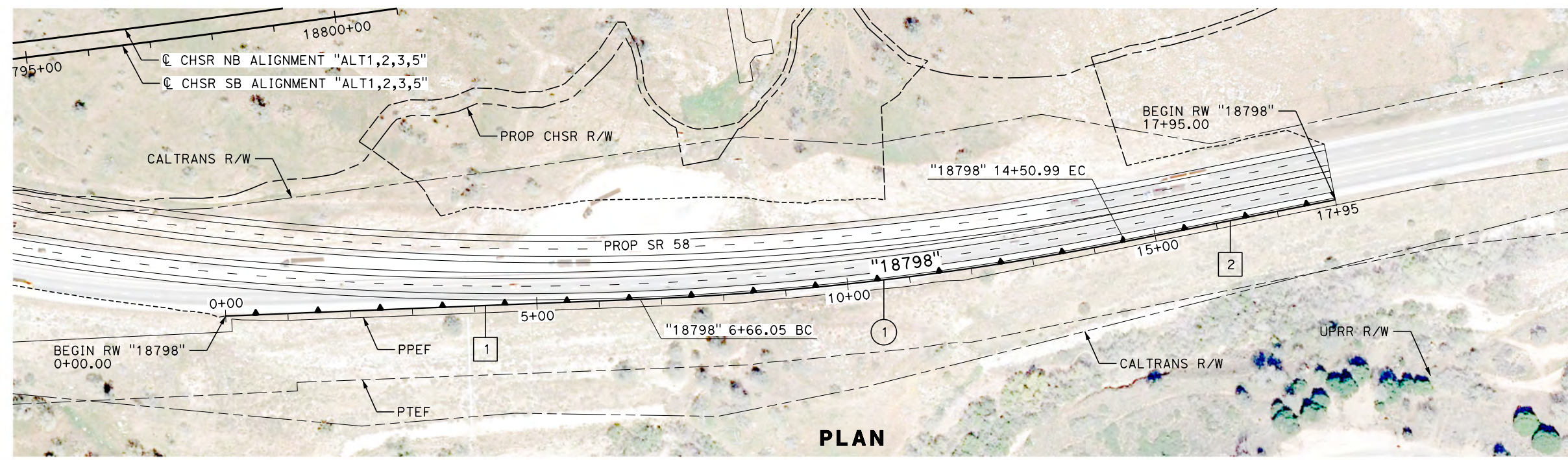


LINE DATA		
No.	BEARING	DISTANCE
1	N 51°17'48" W	666.05'
2	N 60°13'31" W	344.01'

CURVE DATA				
	R	Δ	T	L
①	5037.00'	8°55'43"	393.26'	784.94'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

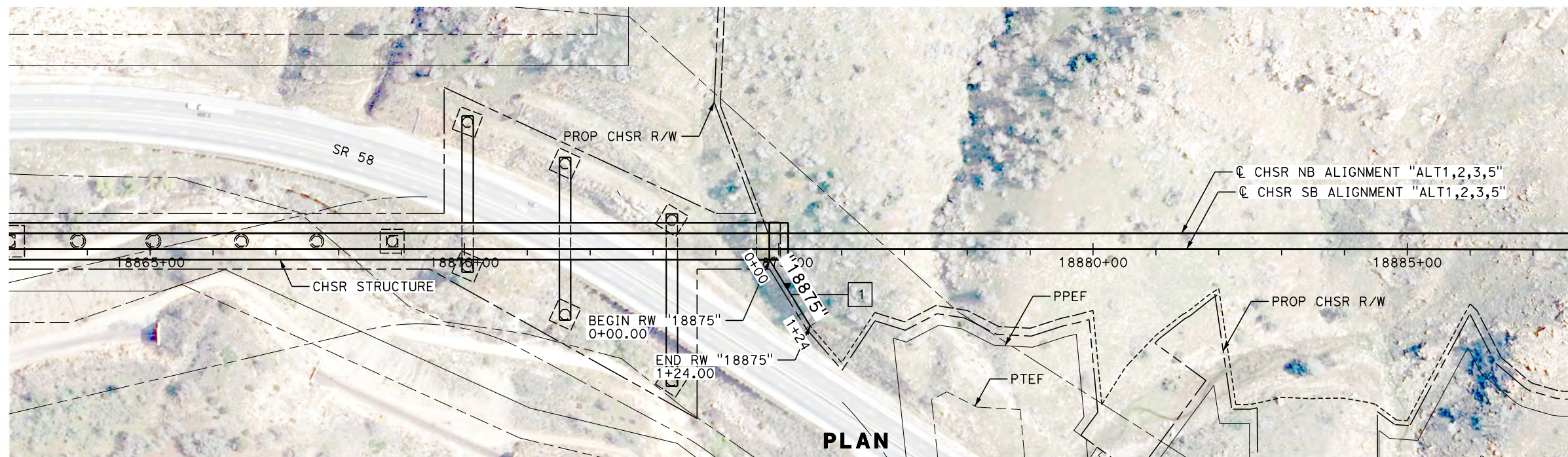
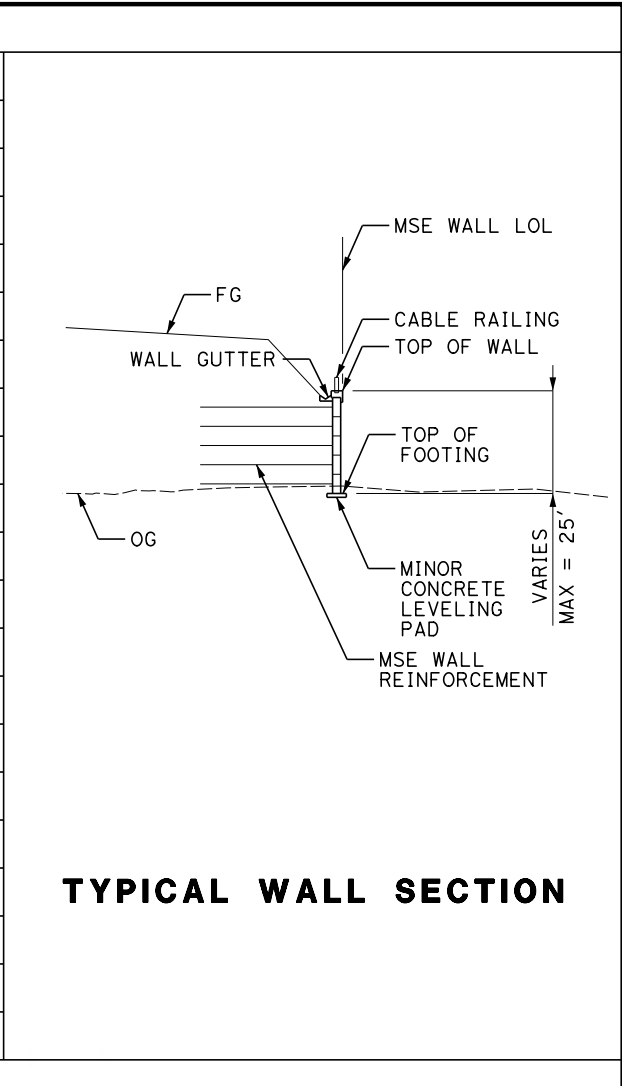
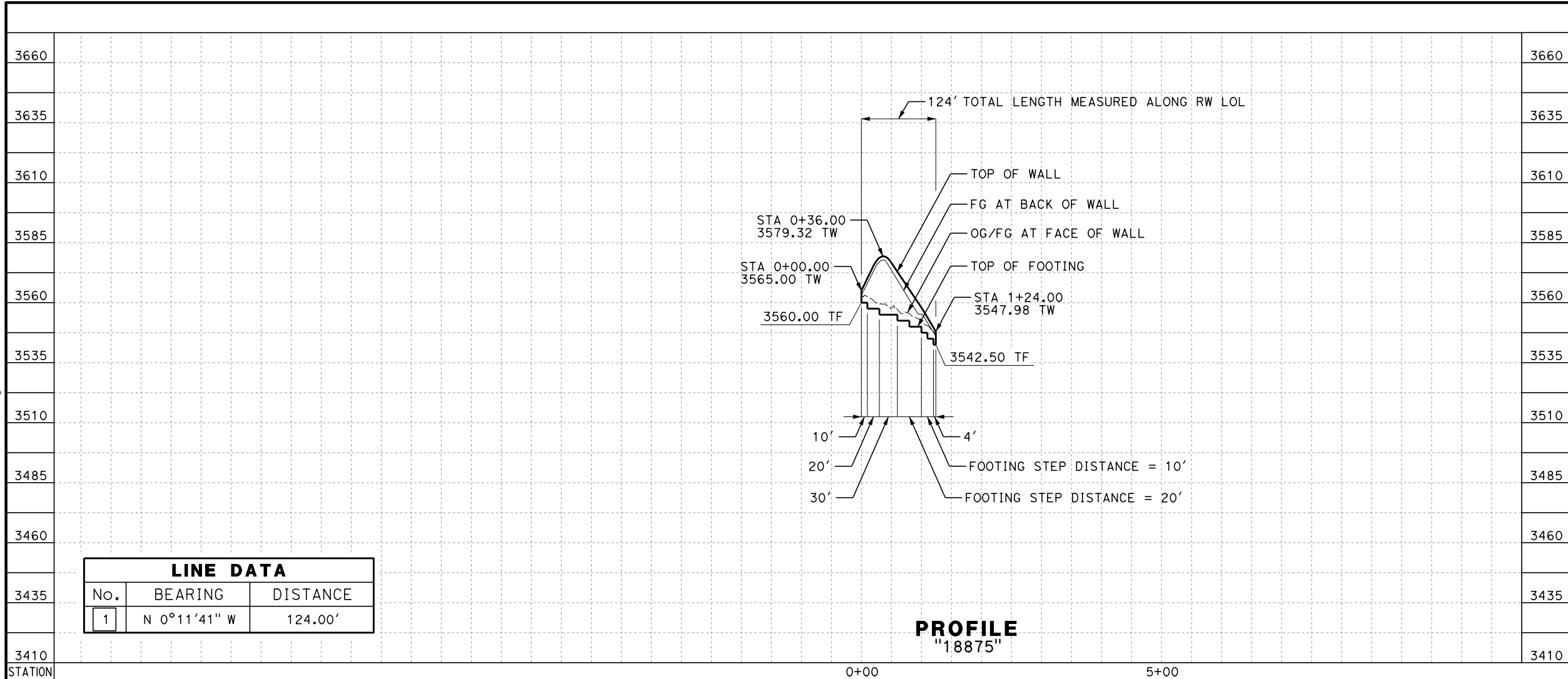


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3,5
RETAINING WALL
STATE ROUTE 58
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
ST-G1028
SCALE
AS SHOWN
SHEET NO.

Projects\01206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1029.dgn

OIC:Arivera 11/3/2017 4:14:16 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

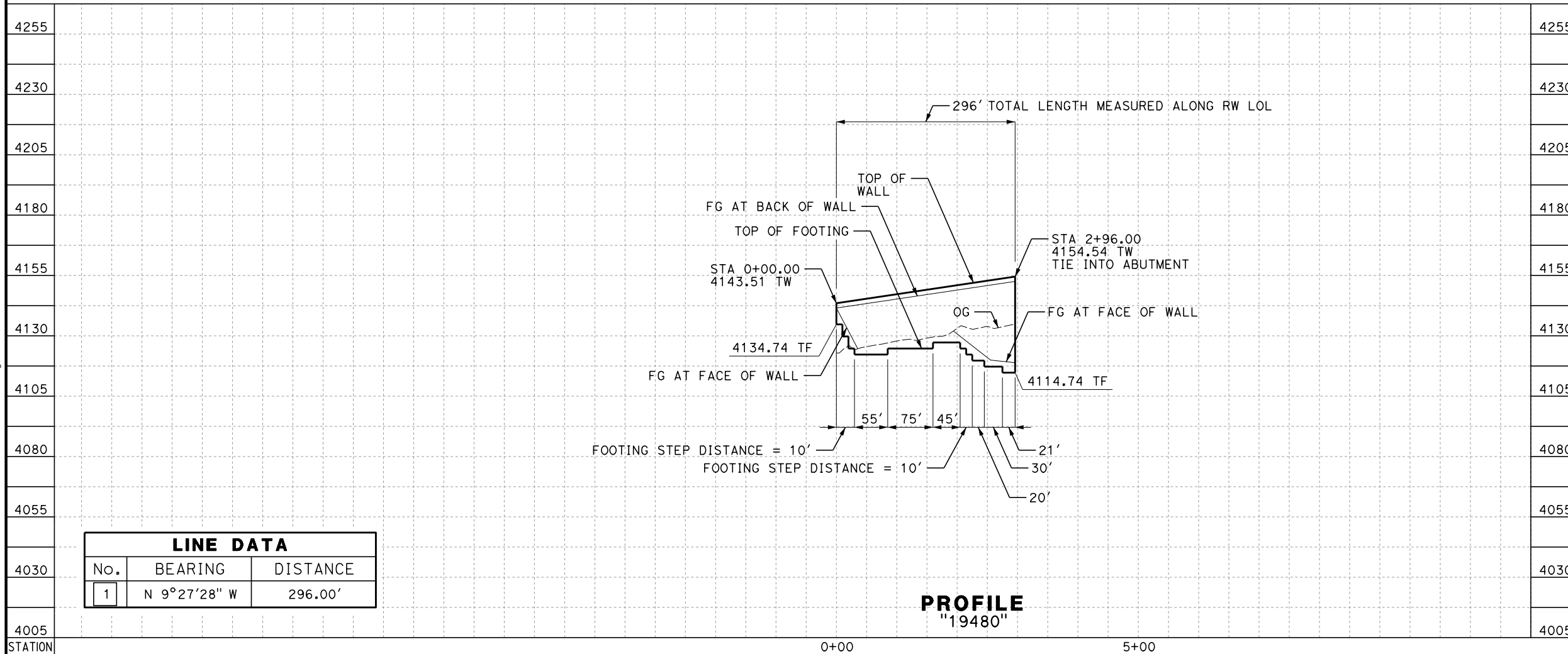


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
RETAINING WALL
18875
PLAN AND PROFILE

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

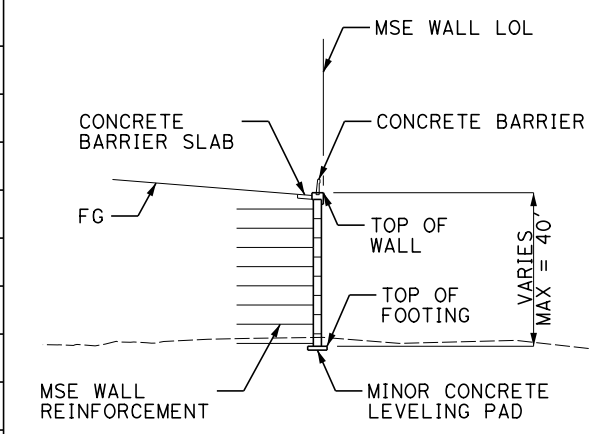
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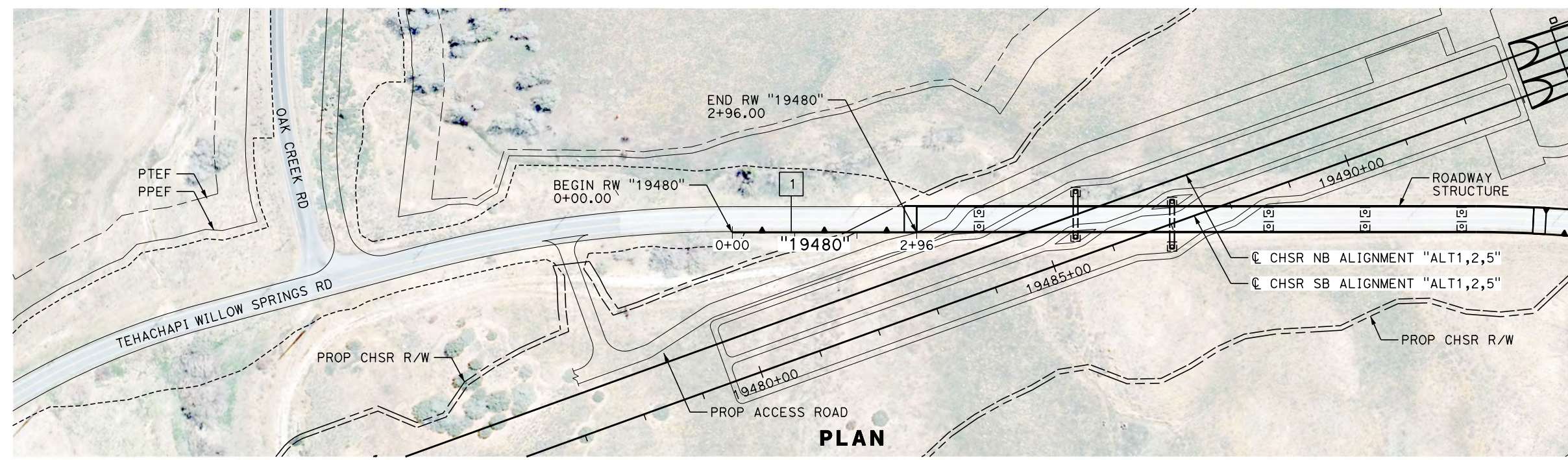


LINE DATA		
No.	BEARING	DISTANCE
1	N 9°27'28" W	296.00'

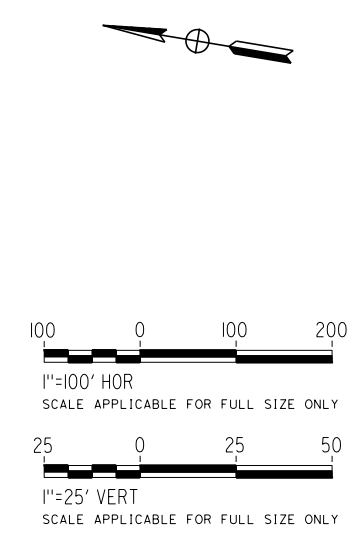
PROFILE
"19480"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

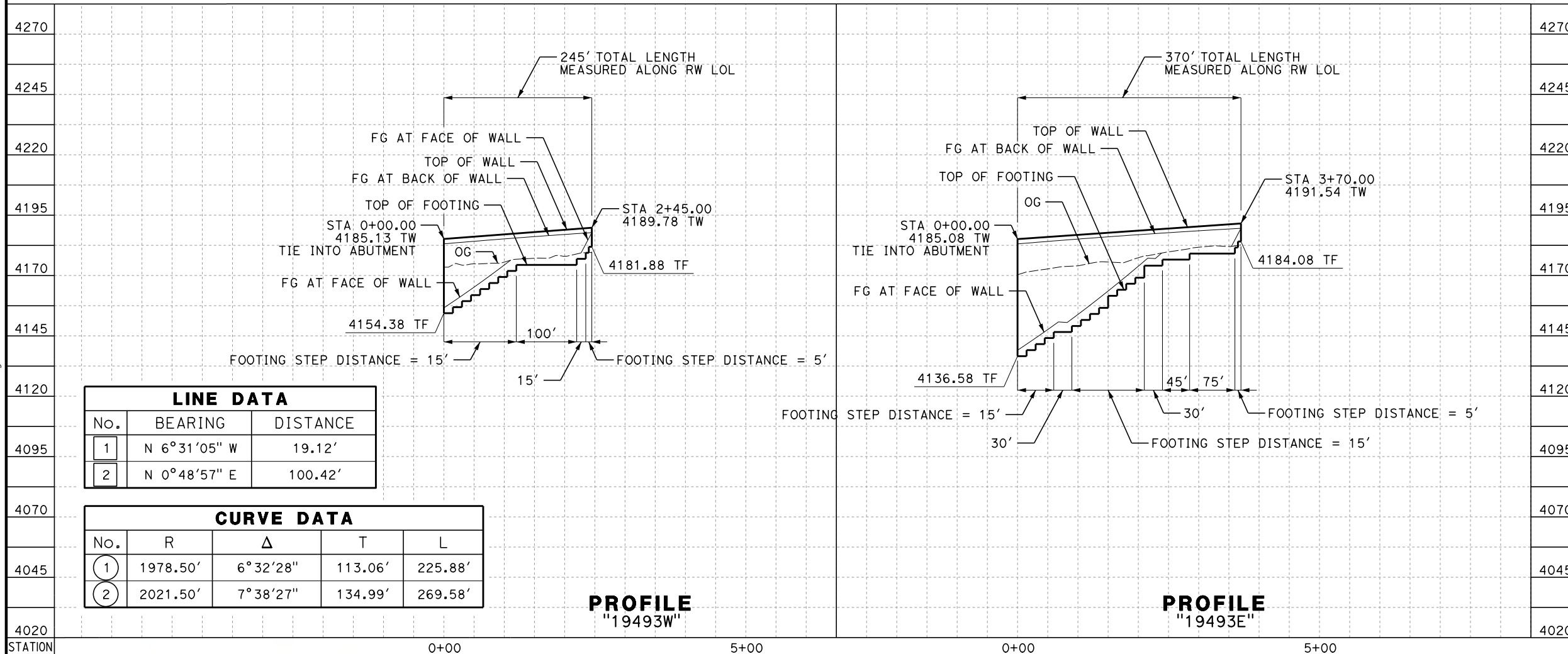


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,5
RETAINING WALL
TEHACHAPI WILLOW SPRINGS ROAD
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
ST-G1030
SCALE
AS SHOWN
SHEET NO.

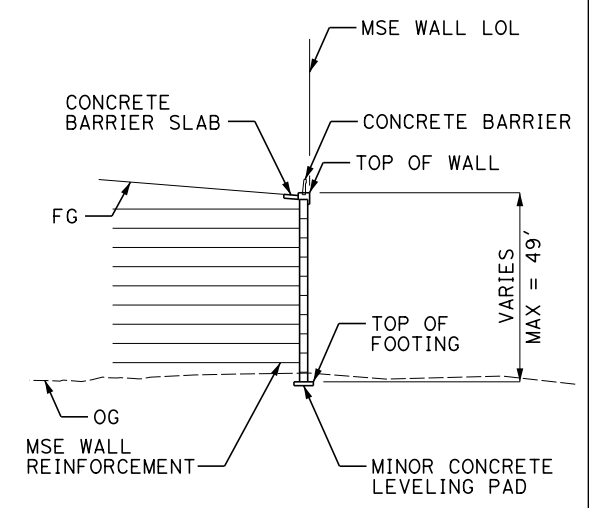
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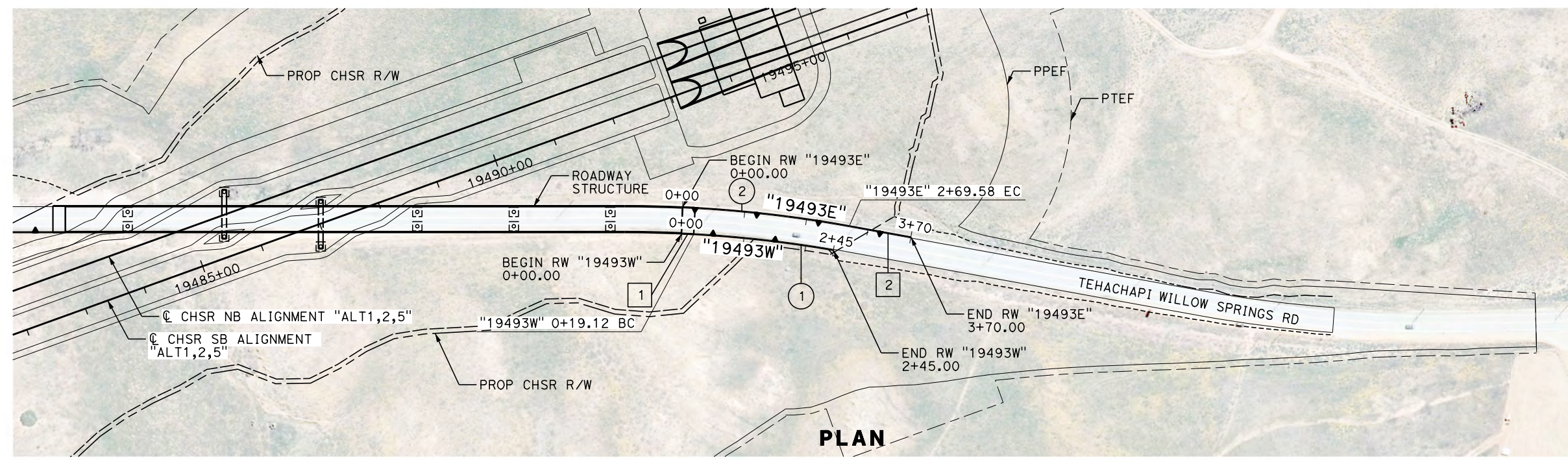


LINE DATA		
No.	BEARING	DISTANCE
1	N 6°31'05" W	19.12'
2	N 0°48'57" E	100.42'

CURVE DATA				
No.	R	Δ	T	L
1	1978.50'	6°32'28"	113.06'	225.88'
2	2021.50'	7°38'27"	134.99'	269.58'



TYPICAL WALL SECTION



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

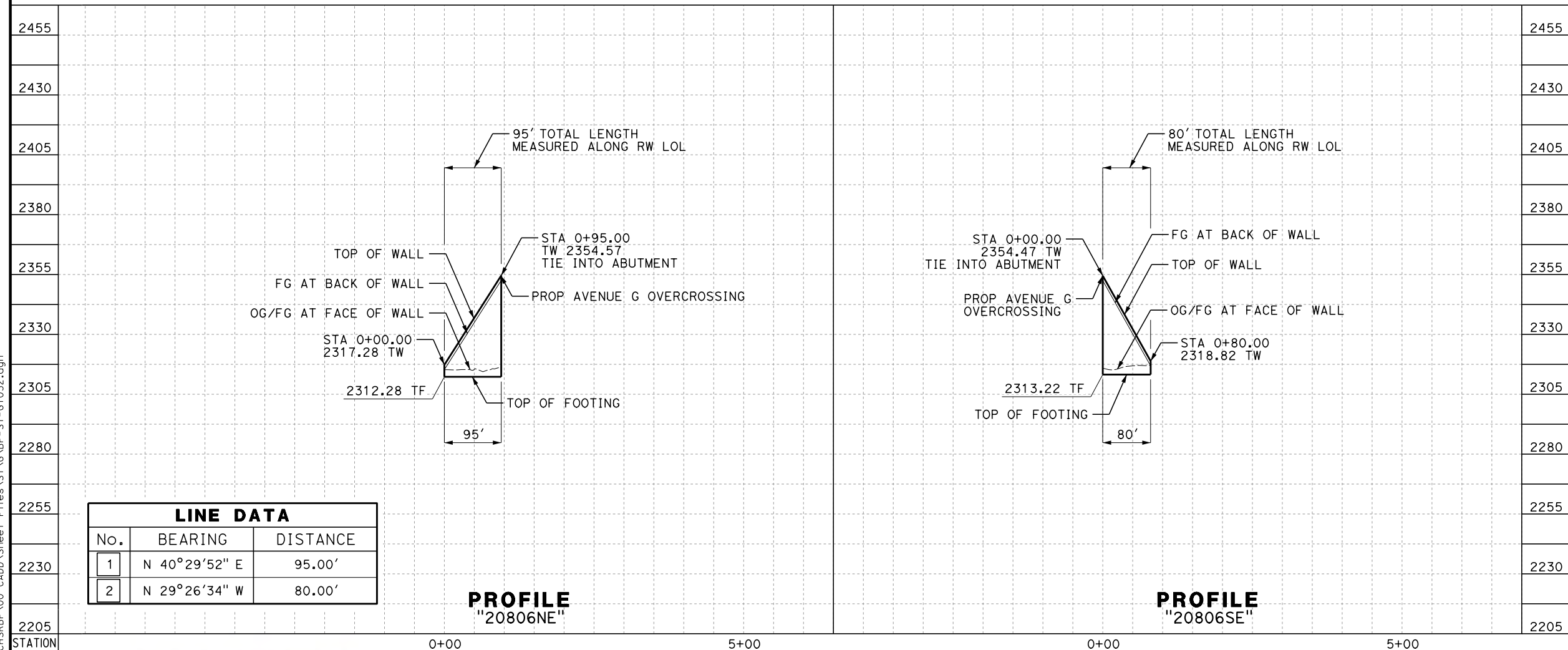


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,5
RETAINING WALL
TEHACHAPI WILLOW SPRINGS ROAD
PLAN AND PROFILE

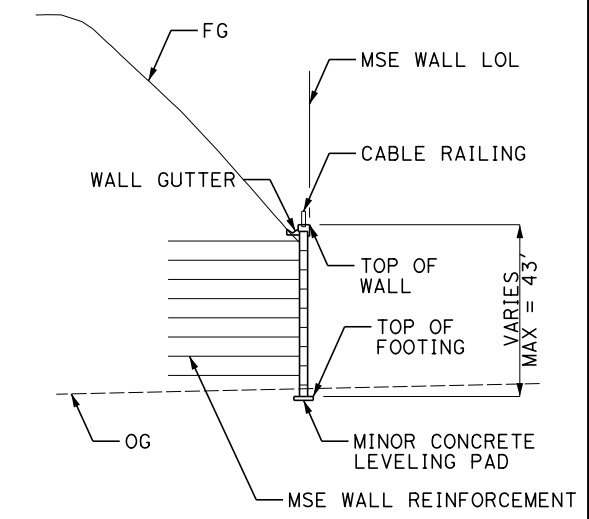
CONTRACT NO.
HSR13-44
DRAWING NO.
ST-G1031
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1032.dgn

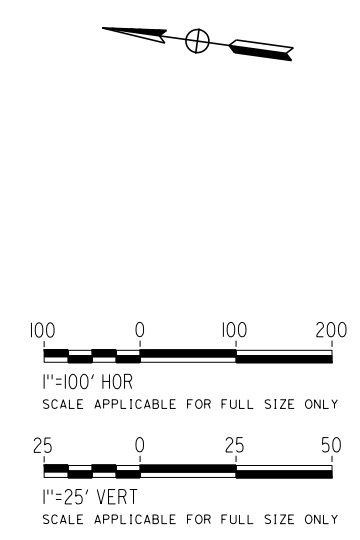
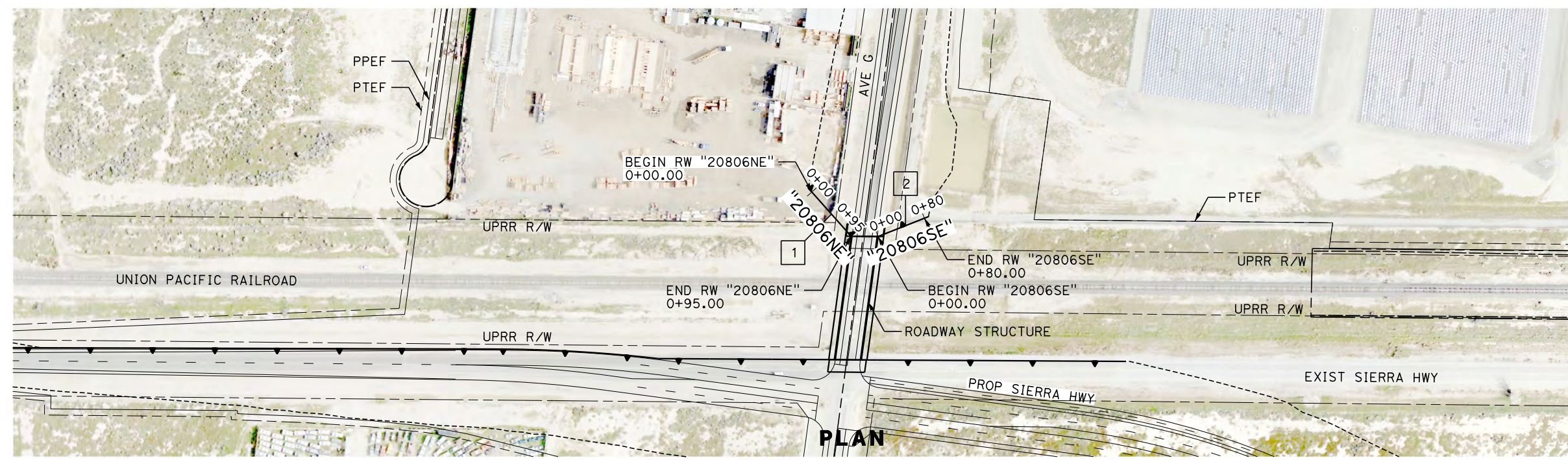
OIC:ARivera 11/3/2017 4:15:25 PM



LINE DATA		
No.	BEARING	DISTANCE
1	N 40°29'52" E	95.00'
2	N 29°26'34" W	80.00'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
AVENUE G
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

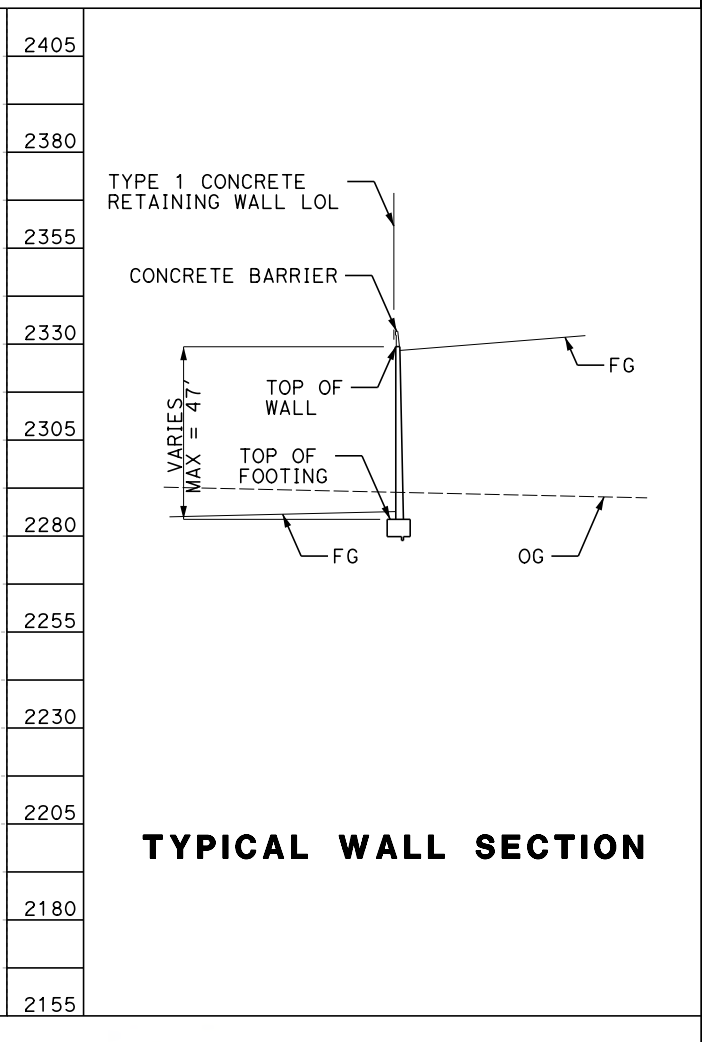
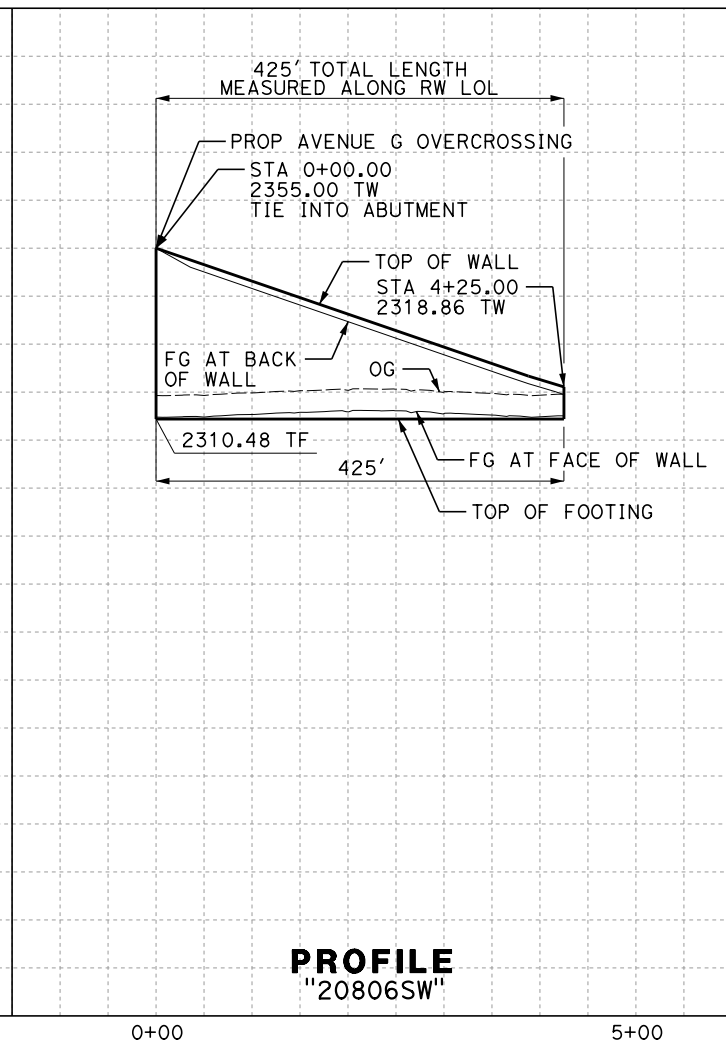
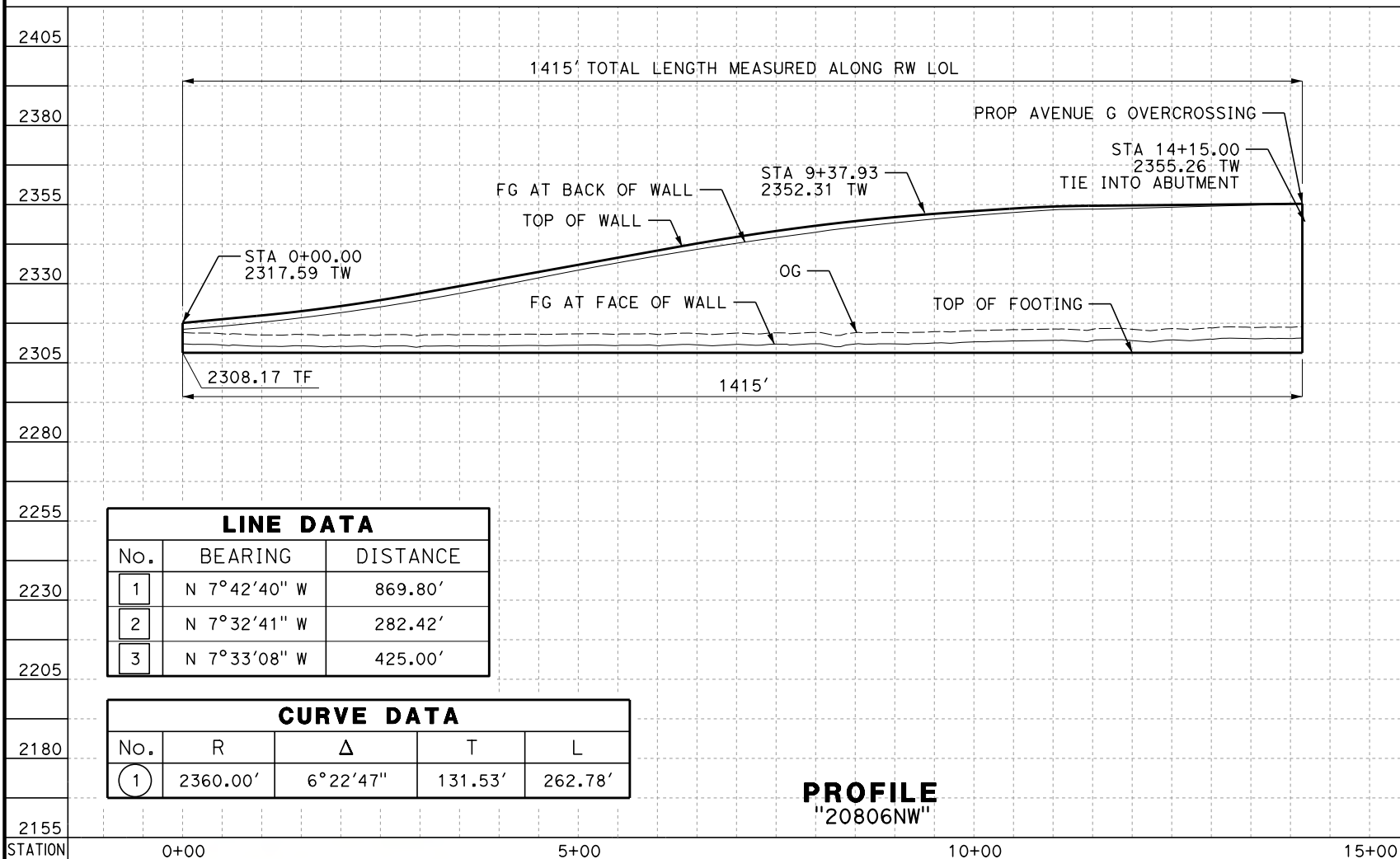
DRAWING NO.
ST-G1032

SCALE
AS SHOWN

SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1033.dgn

OIC:ARivera 11/3/2017 4:15:21 PM



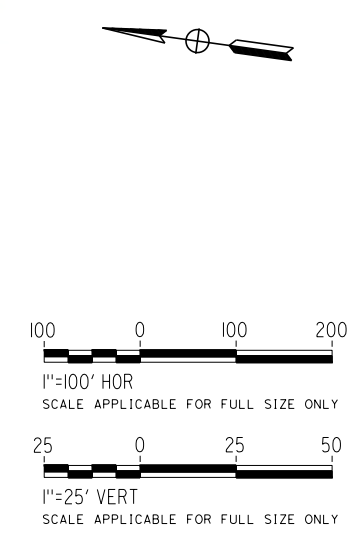
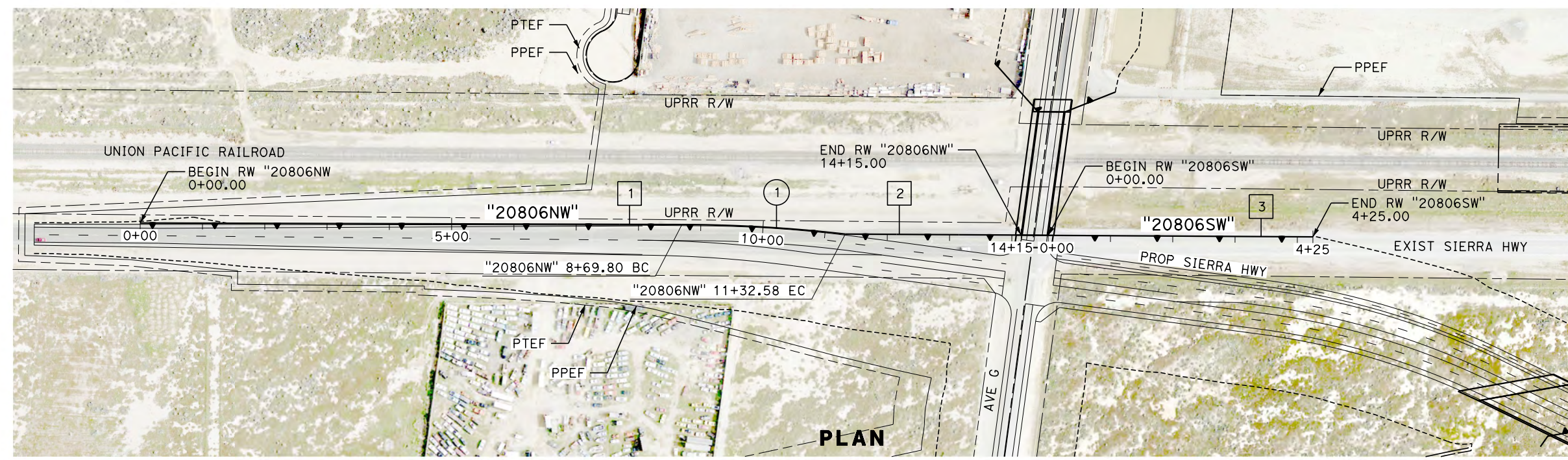
LINE DATA		
No.	BEARING	DISTANCE
1	N 7°42'40" W	869.80'
2	N 7°32'41" W	282.42'
3	N 7°33'08" W	425.00'

CURVE DATA				
No.	R	Δ	T	L
1	2360.00'	6°22'47"	131.53'	262.78'

PROFILE
"20806NW"

PROFILE
"20806SW"

TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
SIERRA HIGHWAY
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

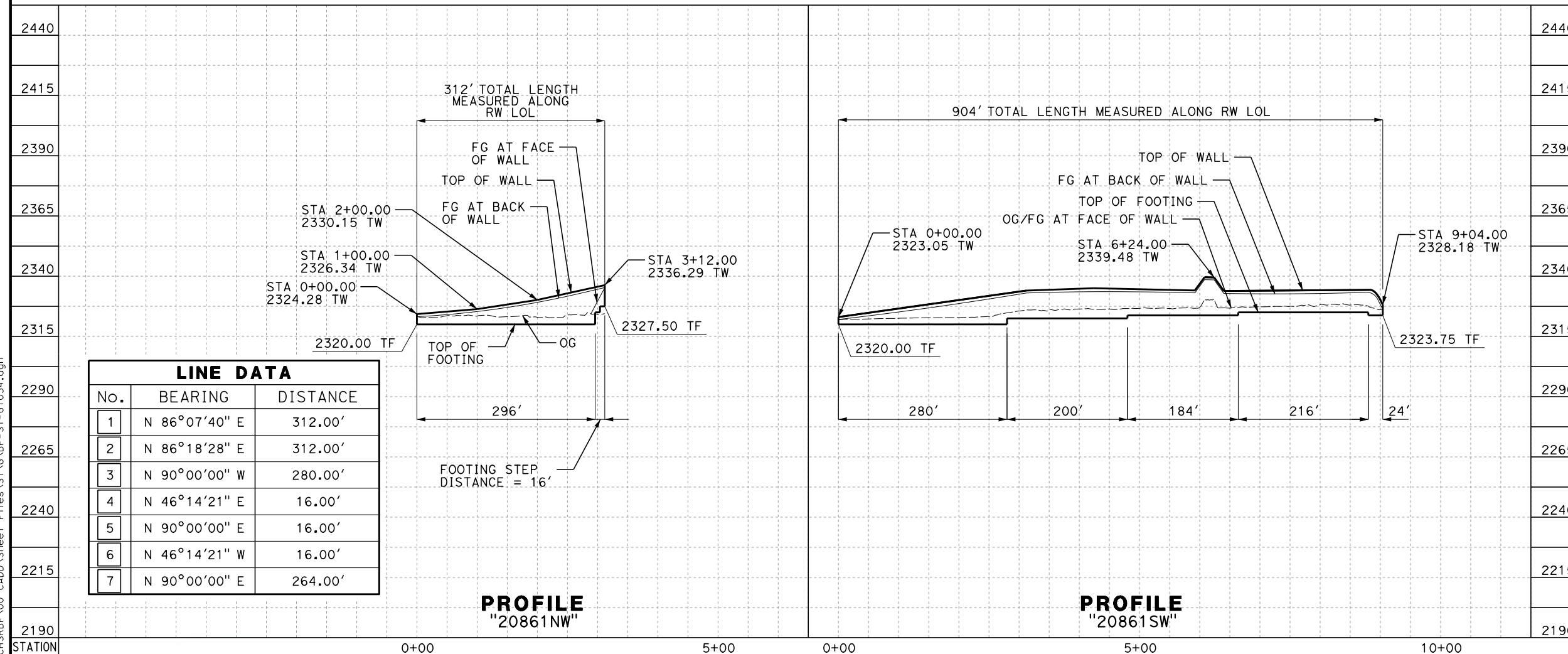
DRAWING NO.
ST-G1033

SCALE
AS SHOWN

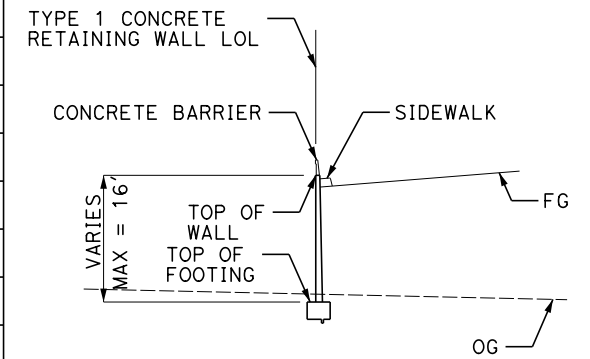
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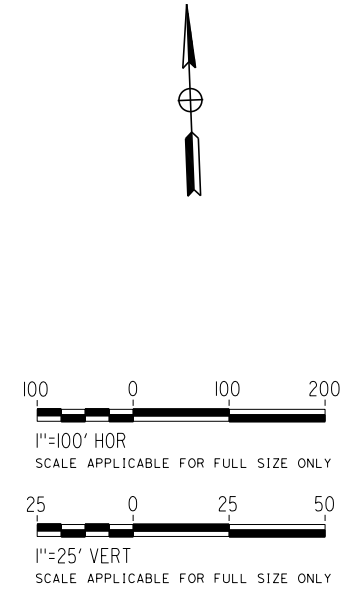
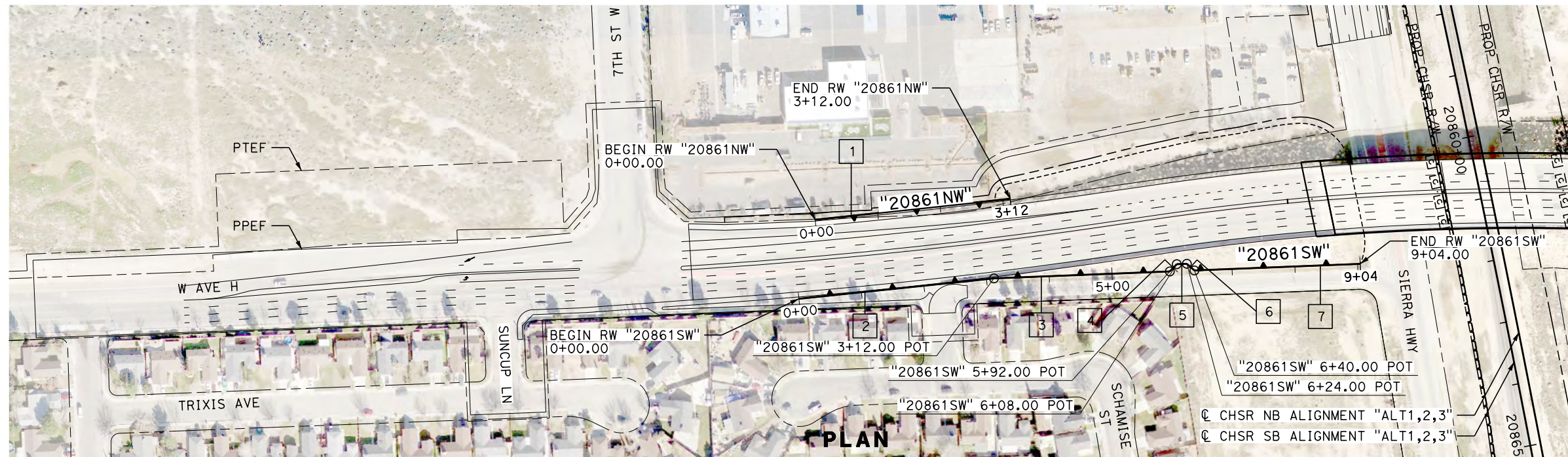
OIC:ARIVERA 11/3/2017 4:15:23 PM



LINE DATA		
No.	BEARING	DISTANCE
1	N 86°07'40" E	312.00'
2	N 86°18'28" E	312.00'
3	N 90°00'00" W	280.00'
4	N 46°14'21" E	16.00'
5	N 90°00'00" E	16.00'
6	N 46°14'21" W	16.00'
7	N 90°00'00" E	264.00'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
AVENUE H
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

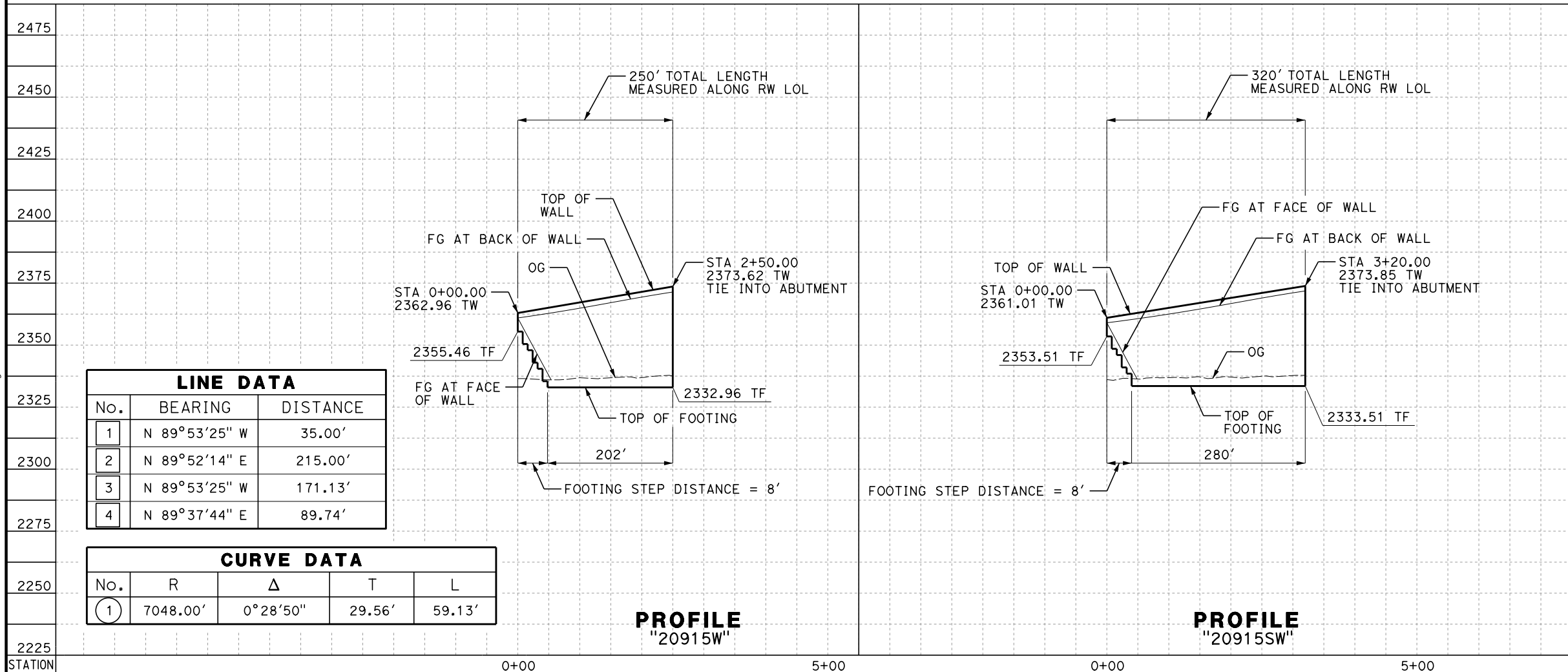
DRAWING NO.
ST-G1034

SCALE
AS SHOWN

SHEET NO.

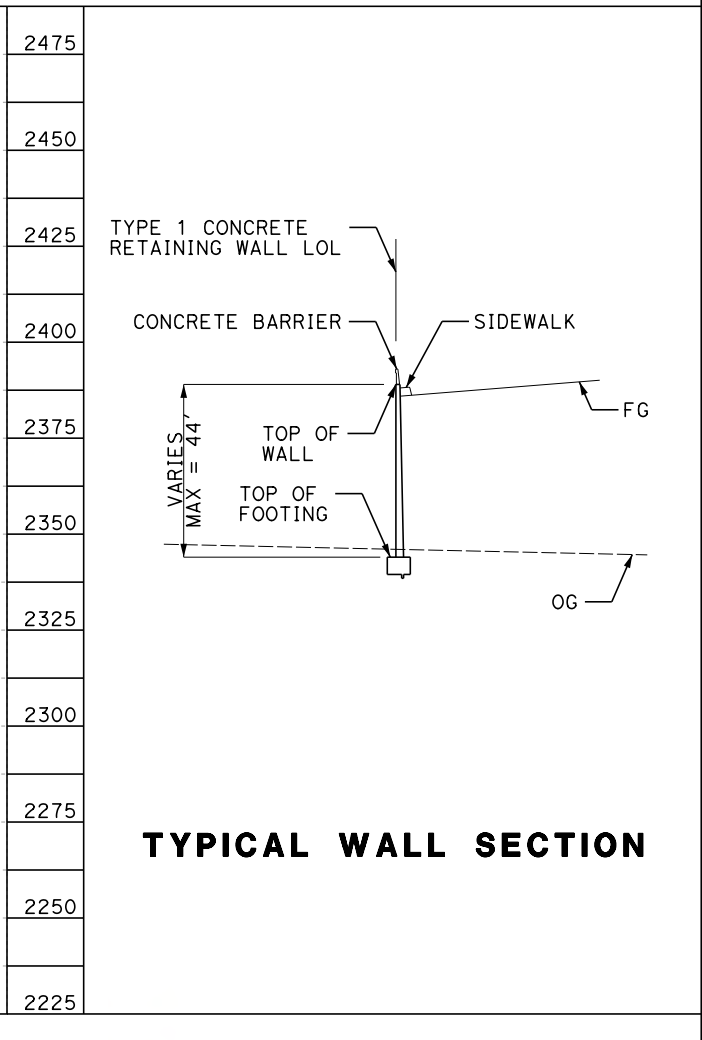
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OIC:ARivera 11/23/2017 4:15:07 PM

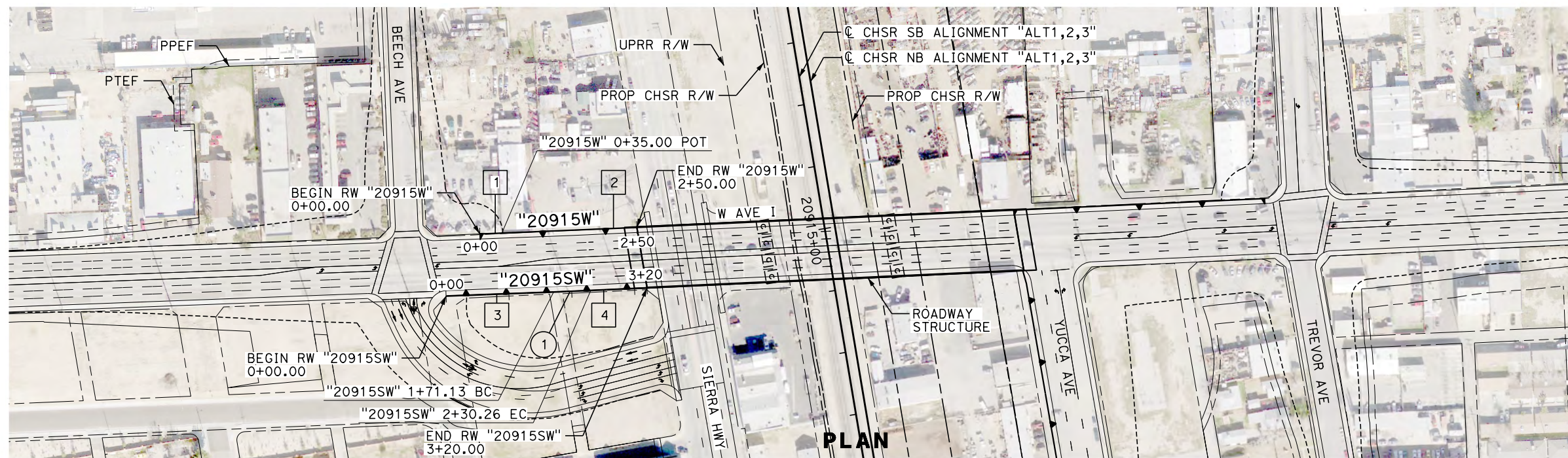


LINE DATA		
No.	BEARING	DISTANCE
1	N 89°53'25" W	35.00'
2	N 89°52'14" E	215.00'
3	N 89°53'25" W	171.13'
4	N 89°37'44" E	89.74'

CURVE DATA				
No.	R	Δ	T	L
1	7048.00'	0°28'50"	29.56'	59.13'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
AVENUE I
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

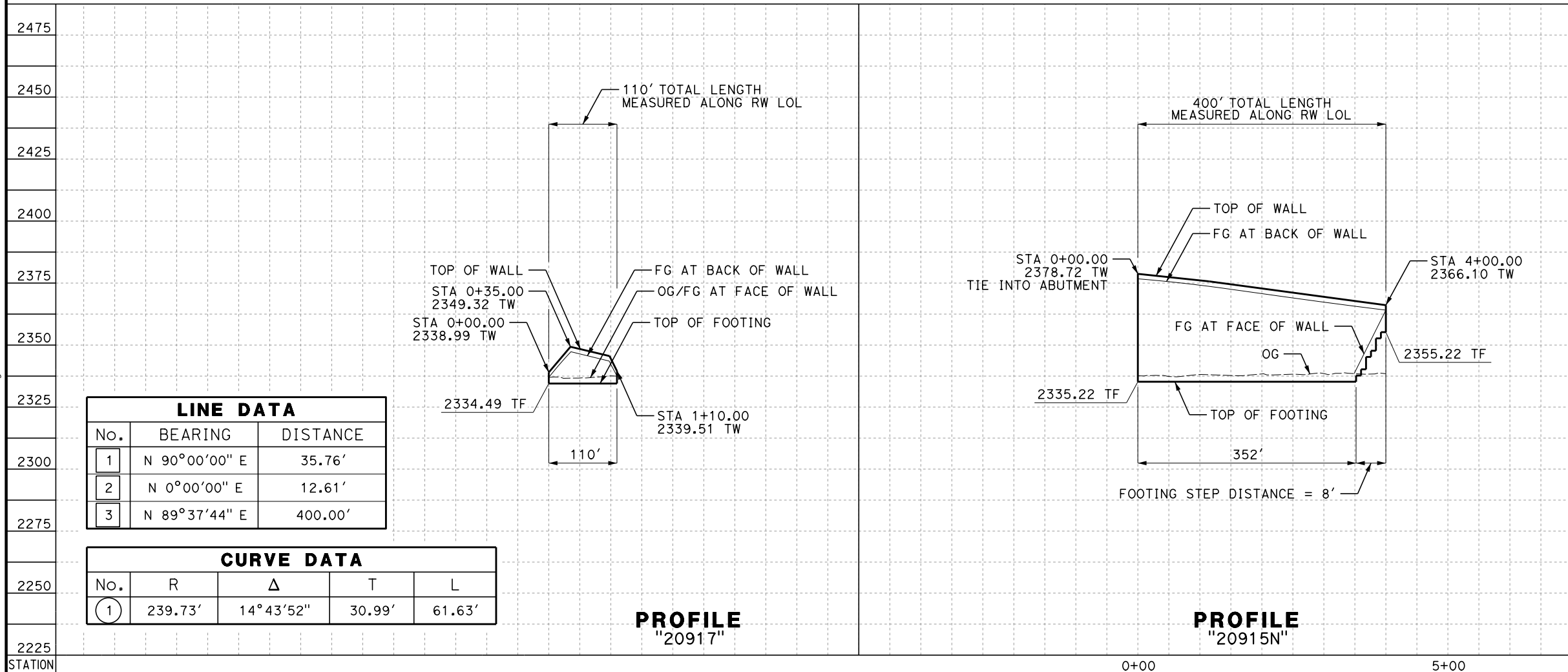
DRAWING NO.
ST-G1036

SCALE
AS SHOWN

SHEET NO.

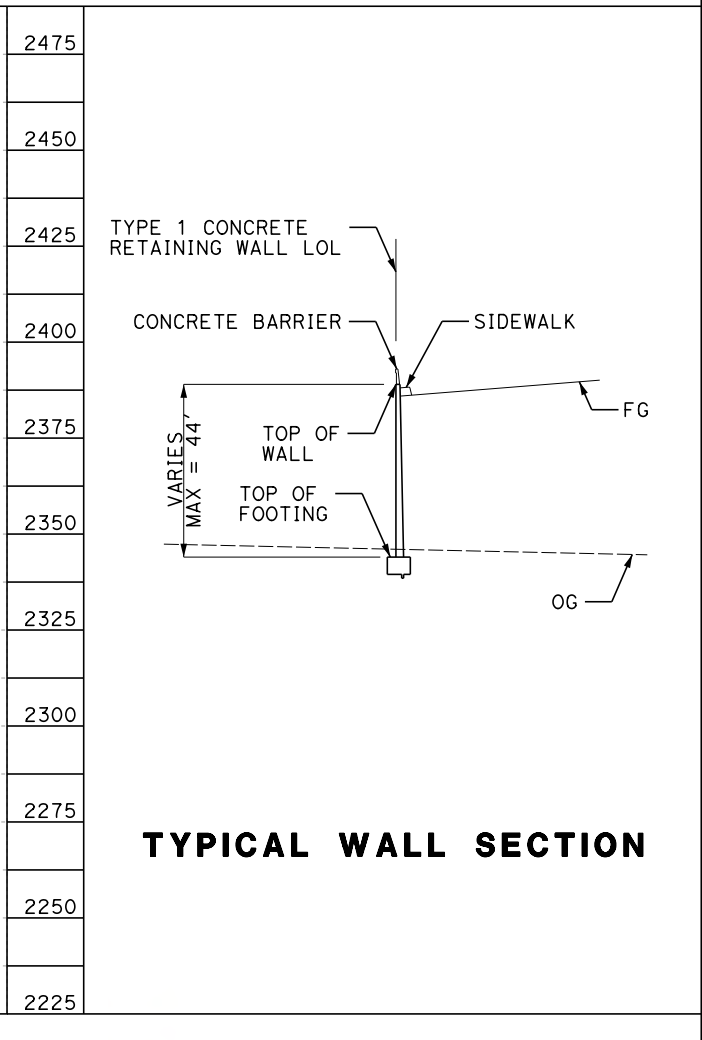
Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\NG\BP-ST-G1037.dgn

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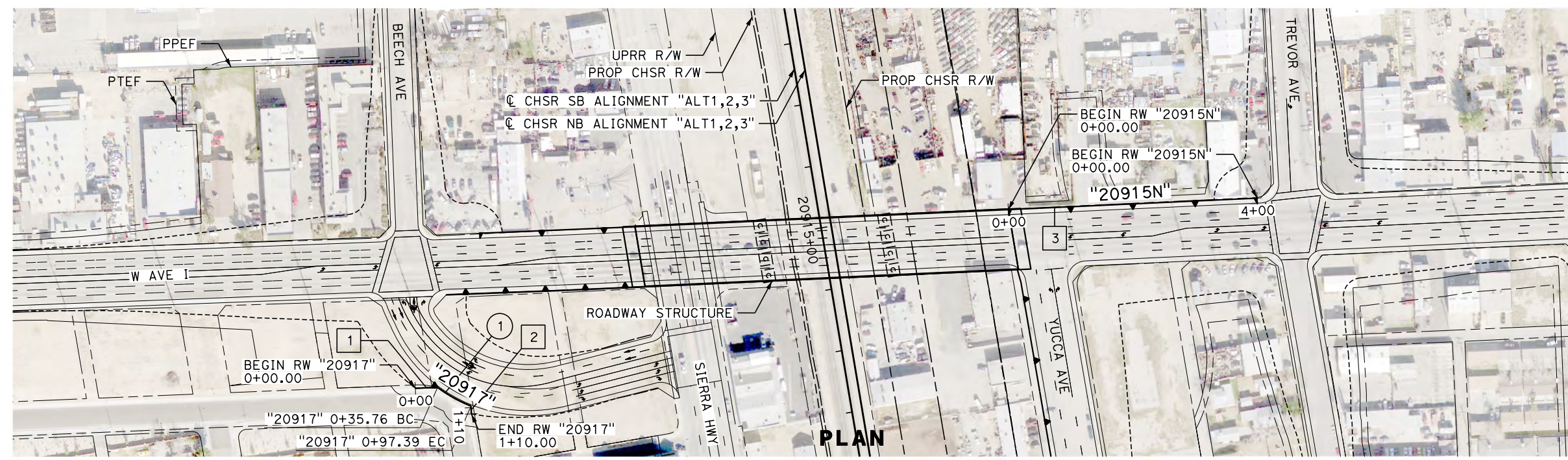


LINE DATA		
No.	BEARING	DISTANCE
1	N 90°00'00" E	35.76'
2	N 0°00'00" E	12.61'
3	N 89°37'44" E	400.00'

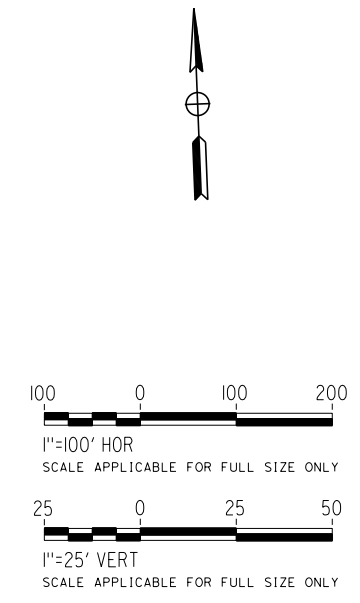
CURVE DATA				
No.	R	Δ	T	L
1	239.73'	14°43'52"	30.99'	61.63'



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

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

ALTERNATIVE 1,2,3
RETAINING WALL
AVENUE I
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

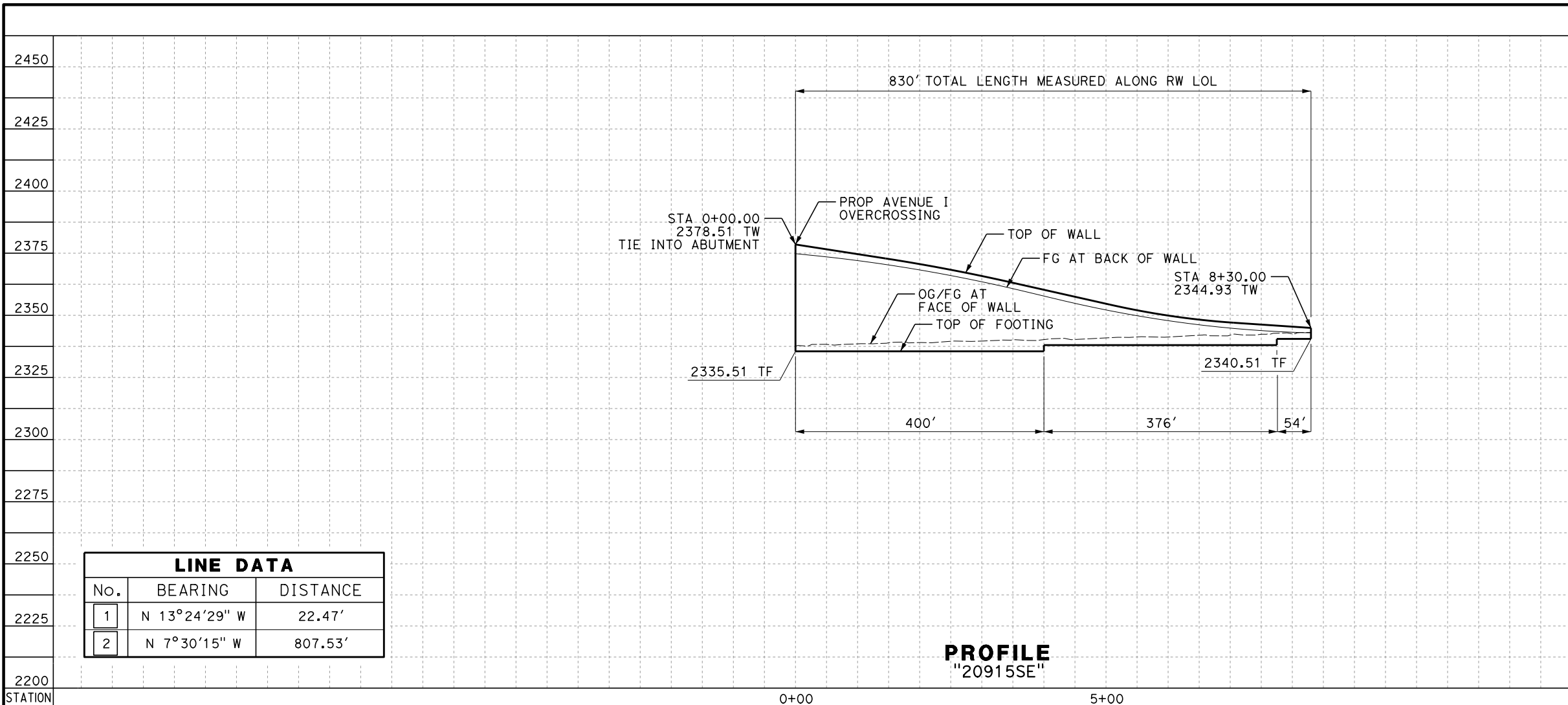
DRAWING NO.
ST-G1037

SCALE
AS SHOWN

SHEET NO.

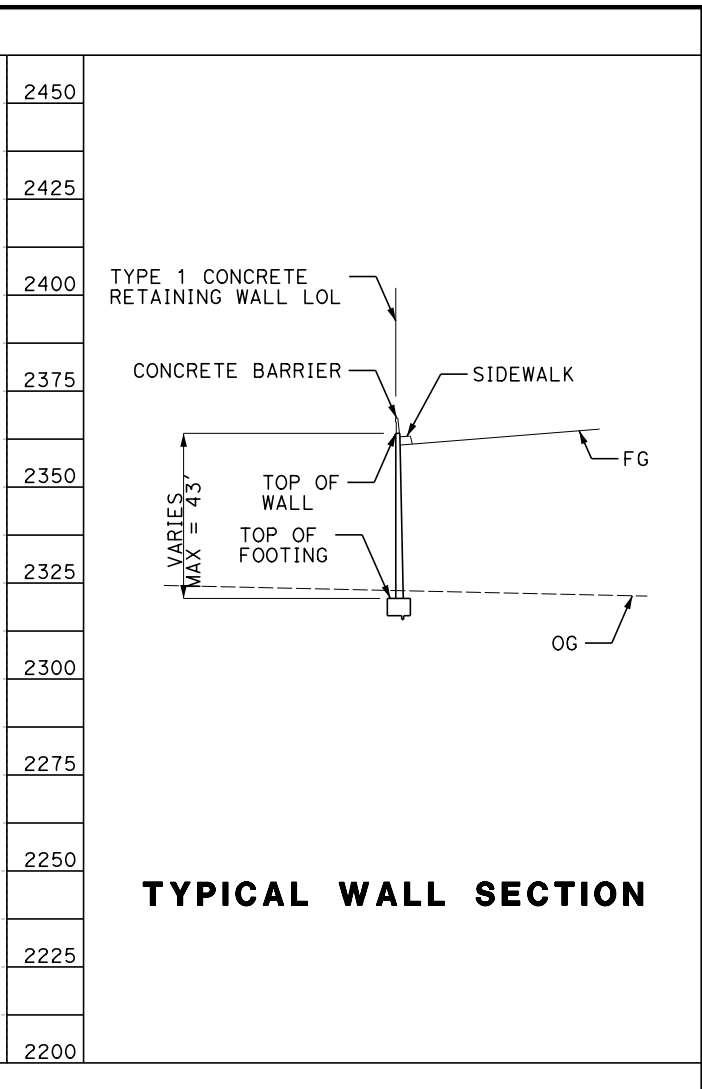
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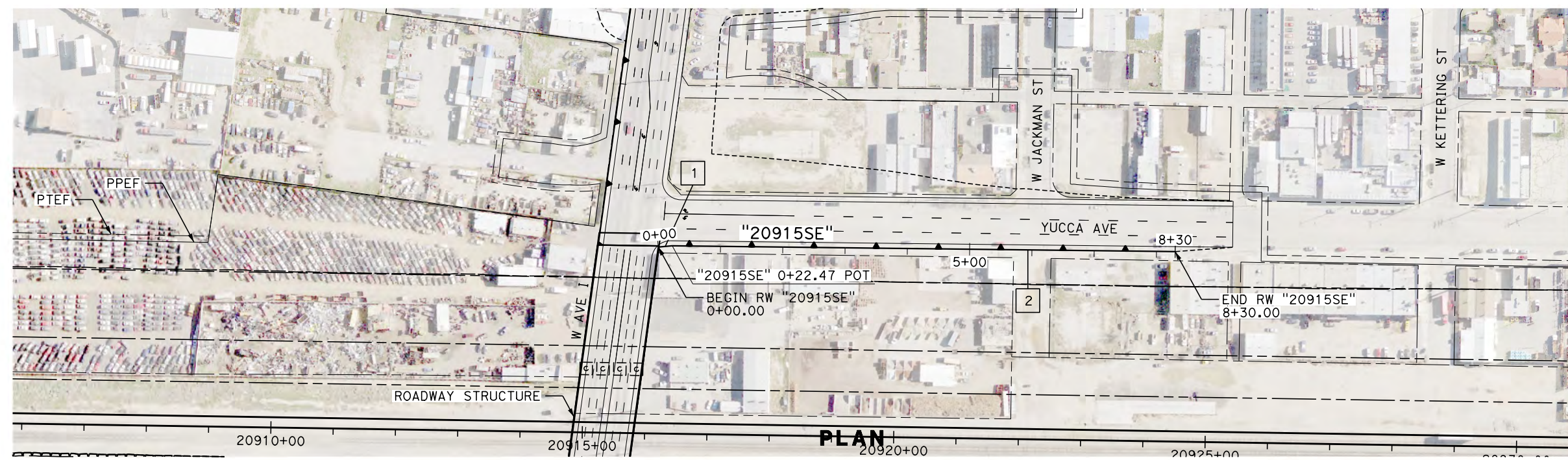


LINE DATA		
No.	BEARING	DISTANCE
1	N 13°24'29" W	22.47'
2	N 7°30'15" W	807.53'

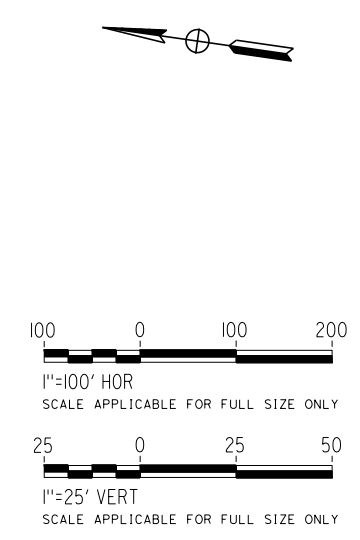
PROFILE
"20915SE"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

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

ALTERNATIVE 1,2,3
RETAINING WALL
AVENUE I
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

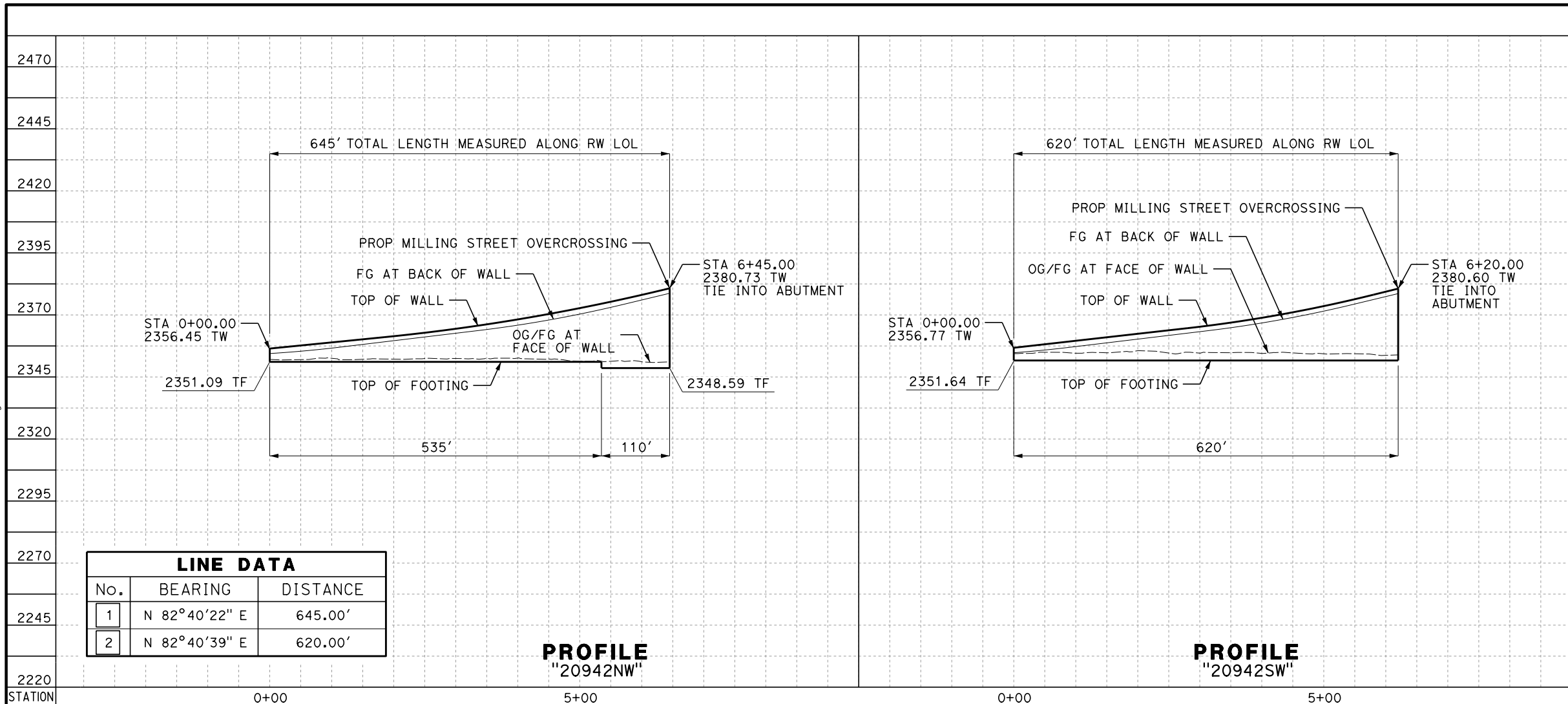
DRAWING NO.
ST-G1038

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1039.dgn

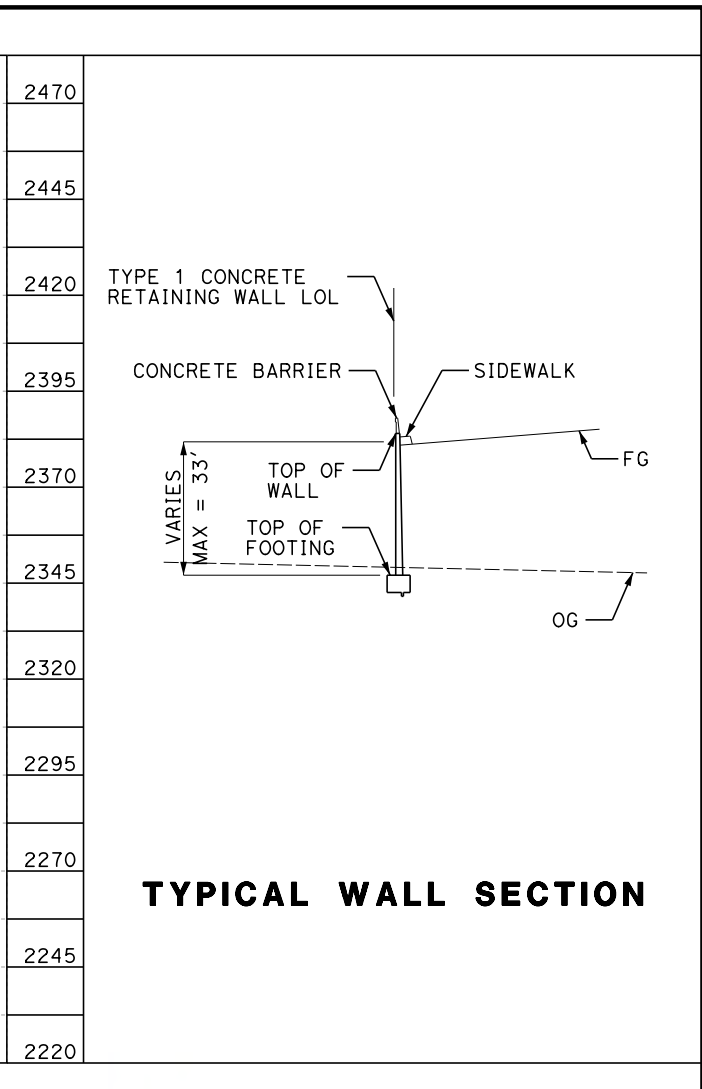
OIC:ARivera 11/3/2017 4:15:38 PM



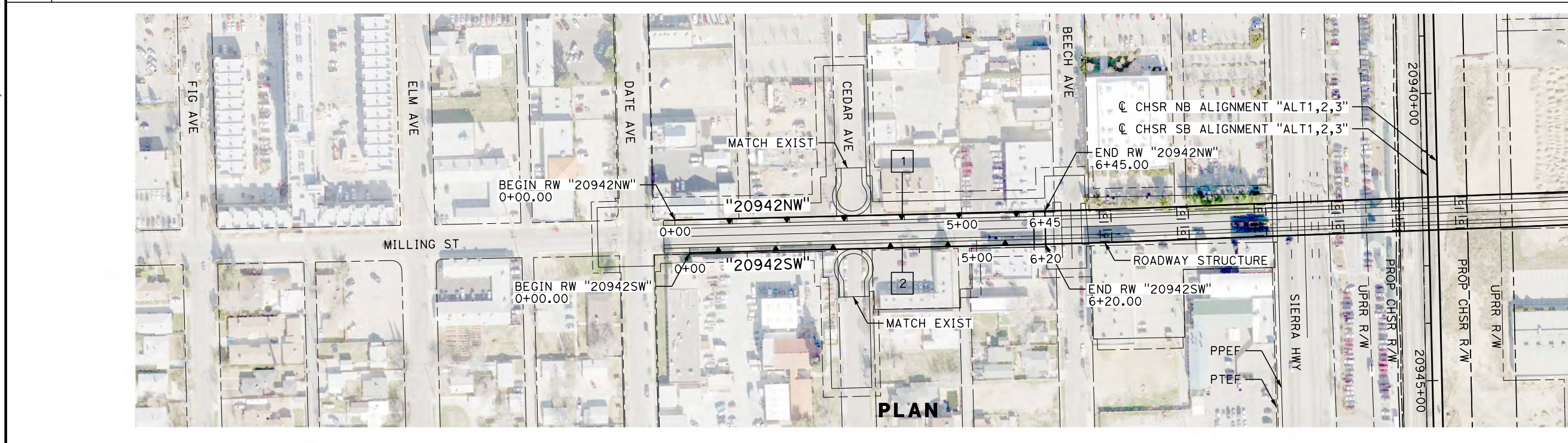
LINE DATA		
No.	BEARING	DISTANCE
1	N 82°40'22" E	645.00'
2	N 82°40'39" E	620.00'

PROFILE
"20942NW"

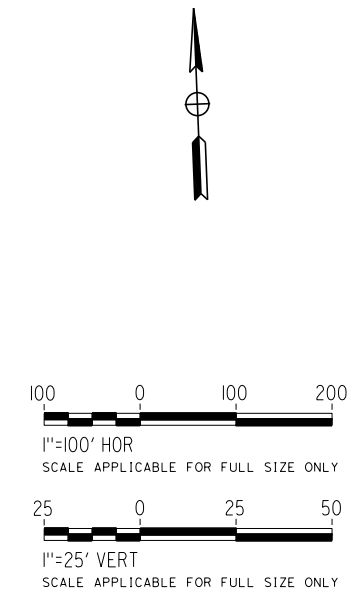
PROFILE
"20942SW"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

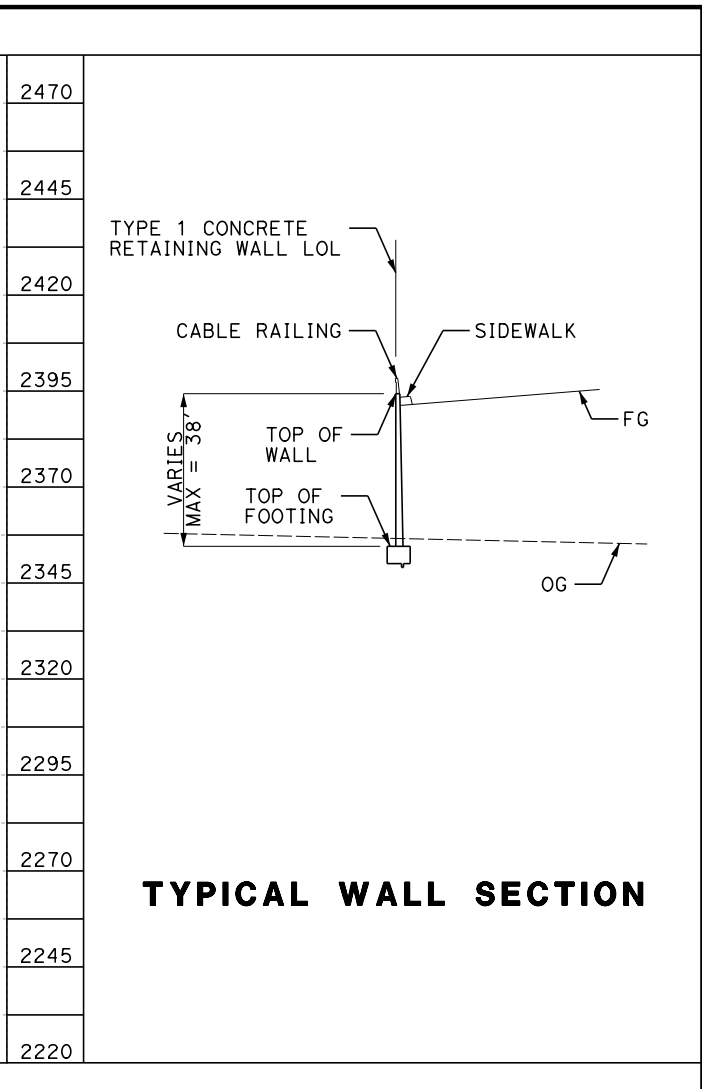
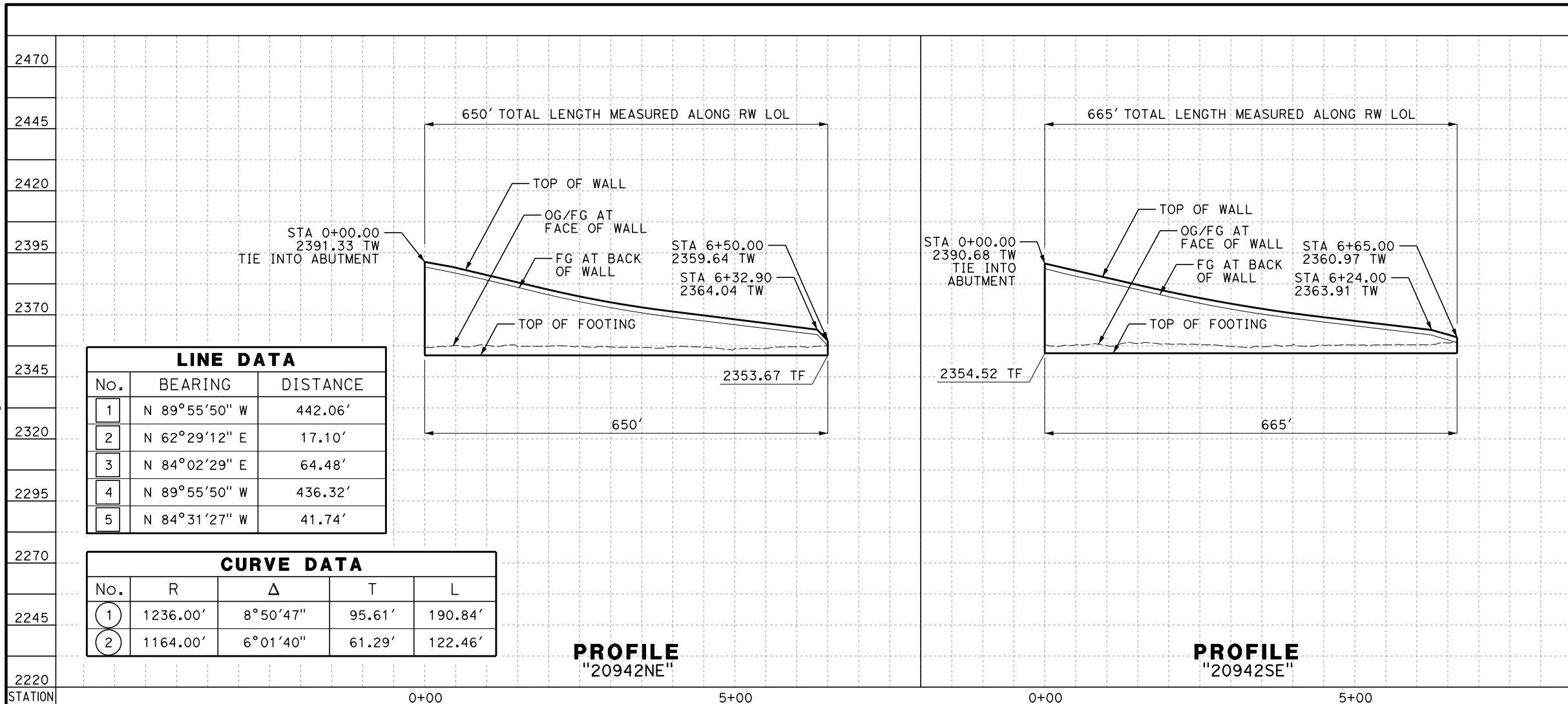


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3
RETAINING WALL
MILLING STREET
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
ST-G1039
SCALE
AS SHOWN
SHEET NO.

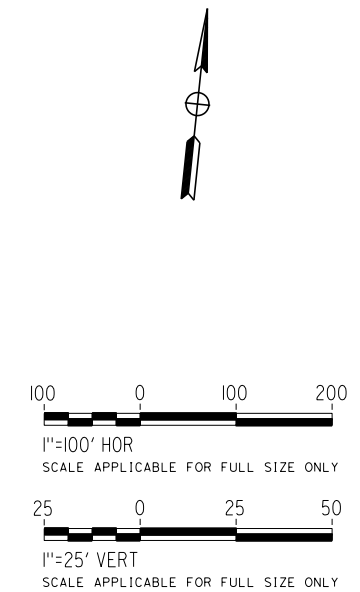
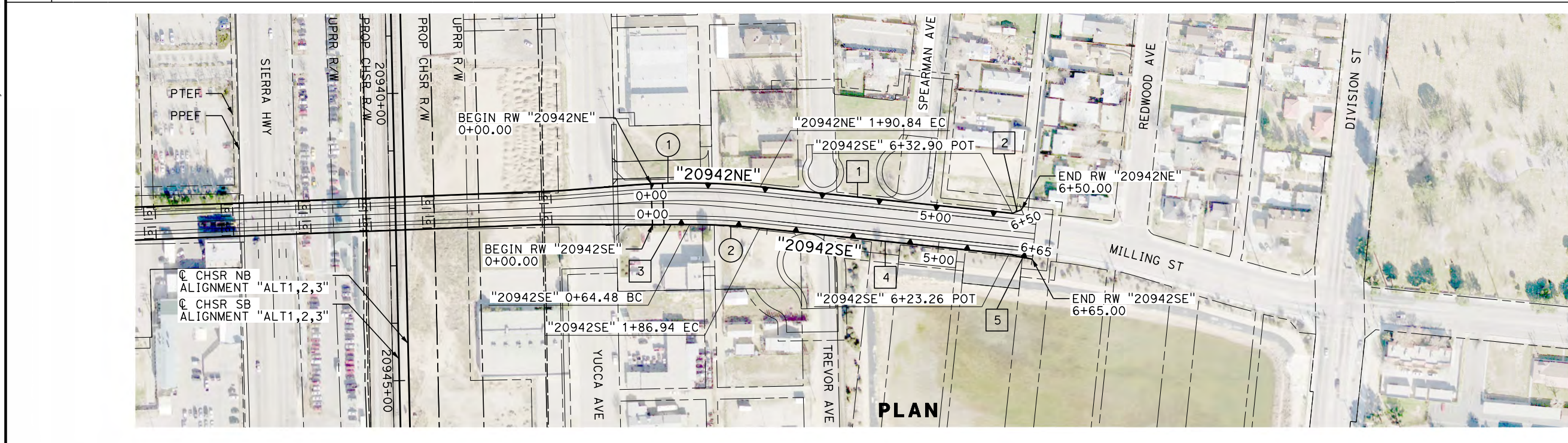
Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1040.dgn

OIC:ARivera 11/3/2017 4:15:41 PM



LINE DATA		
No.	BEARING	DISTANCE
1	N 89°55'50" W	442.06'
2	N 62°29'12" E	17.10'
3	N 84°02'29" E	64.48'
4	N 89°55'50" W	436.32'
5	N 84°31'27" W	41.74'

CURVE DATA				
No.	R	Δ	T	L
1	1236.00'	8°50'47"	95.61'	190.84'
2	1164.00'	6°01'40"	61.29'	122.46'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
MILLING STREET
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

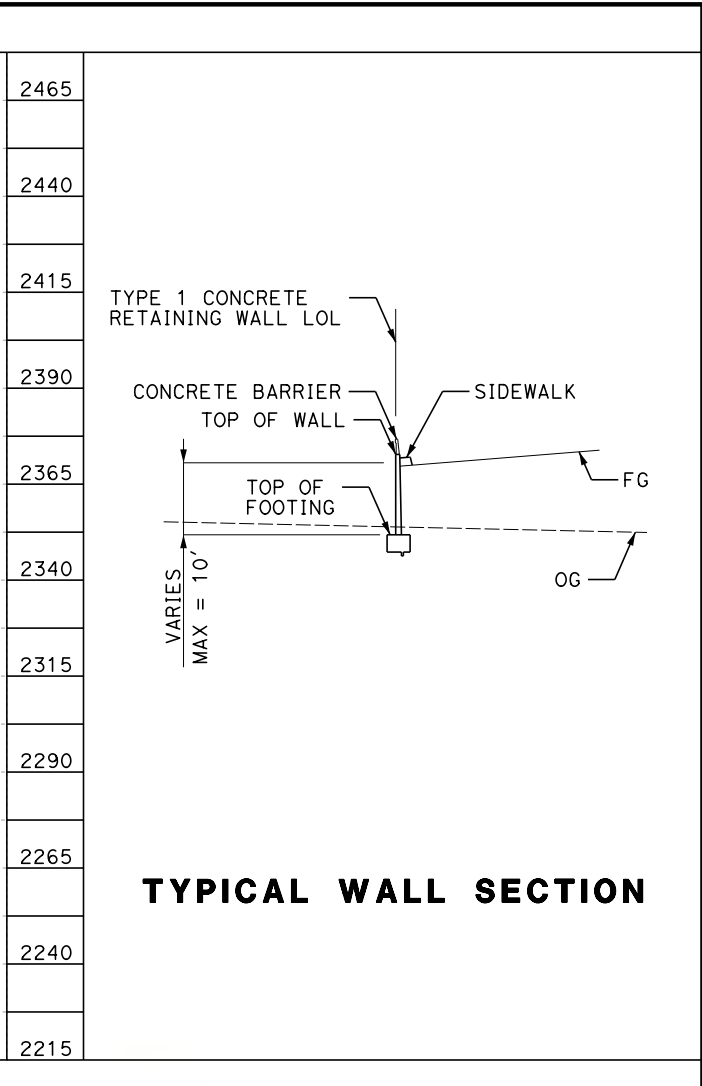
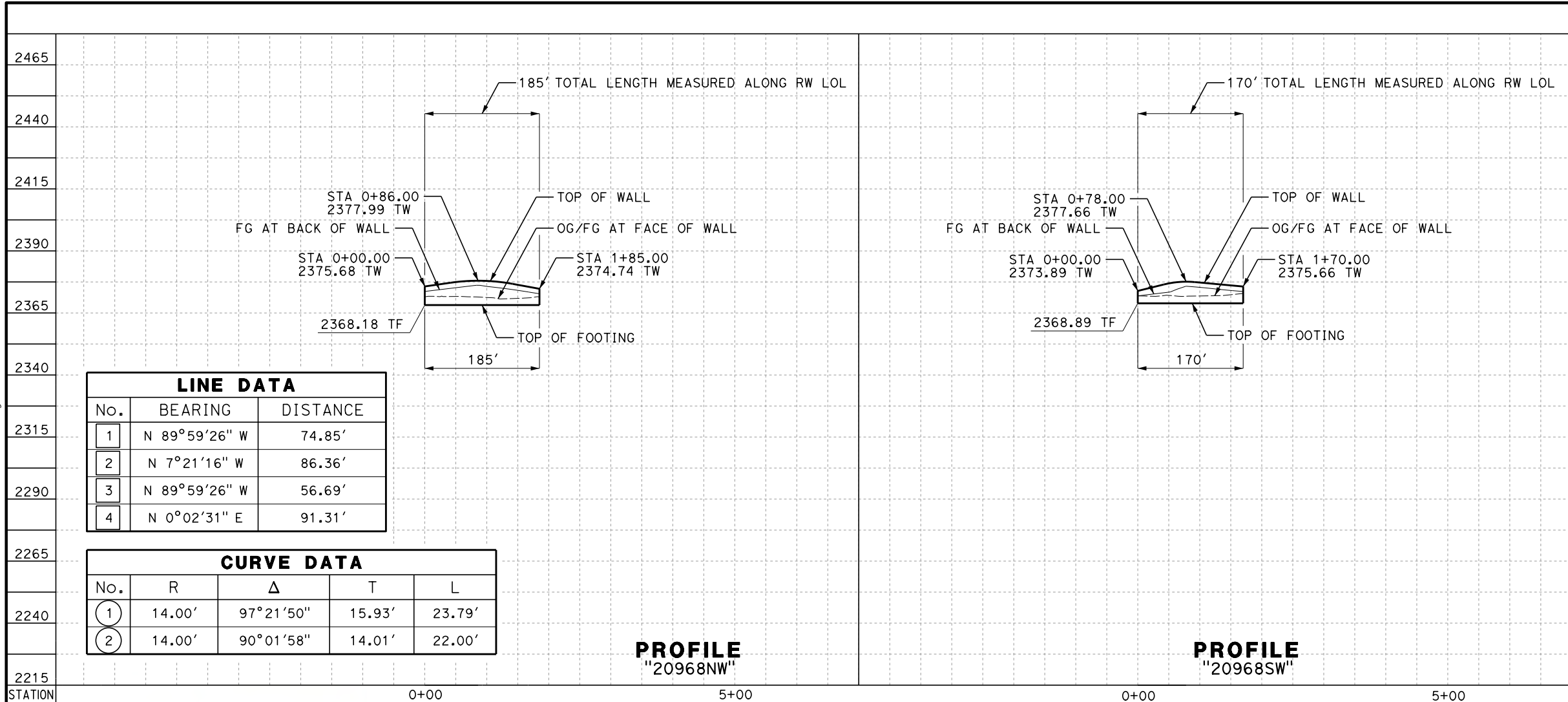
DRAWING NO.
ST-G1040

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1041.dgn

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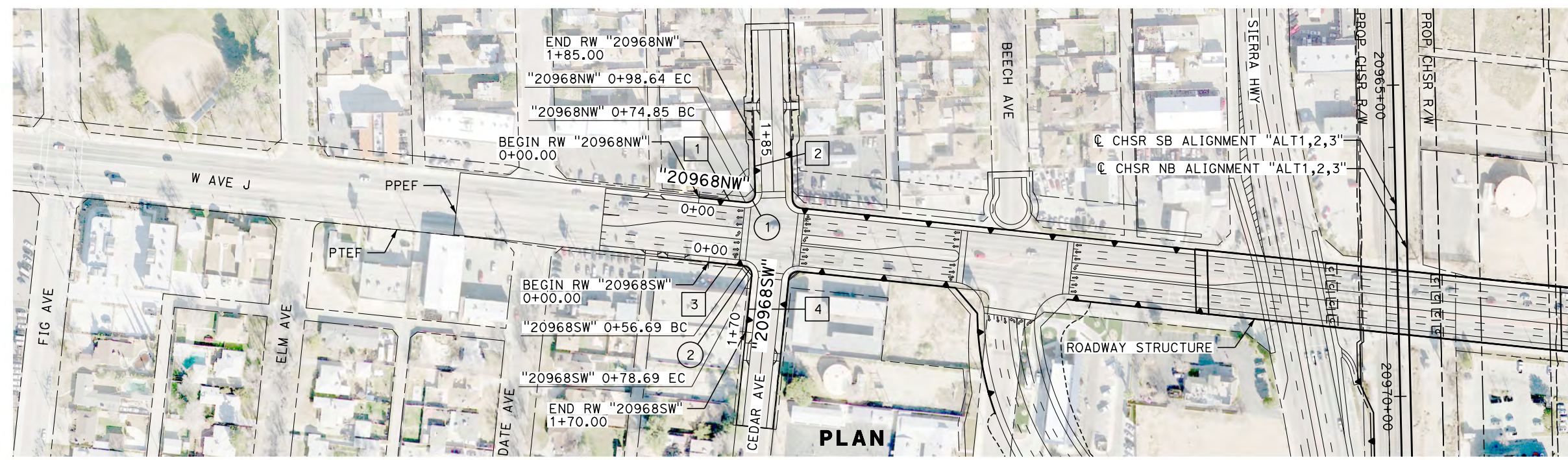
LINE DATA		
No.	BEARING	DISTANCE
1	N 89°59'26" W	74.85'
2	N 7°21'16" W	86.36'
3	N 89°59'26" W	56.69'
4	N 0°02'31" E	91.31'

CURVE DATA				
No.	R	Δ	T	L
1	14.00'	97°21'50"	15.93'	23.79'
2	14.00'	90°01'58"	14.01'	22.00'

PROFILE
"20968NW"

PROFILE
"20968SW"

TYPICAL WALL SECTION



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

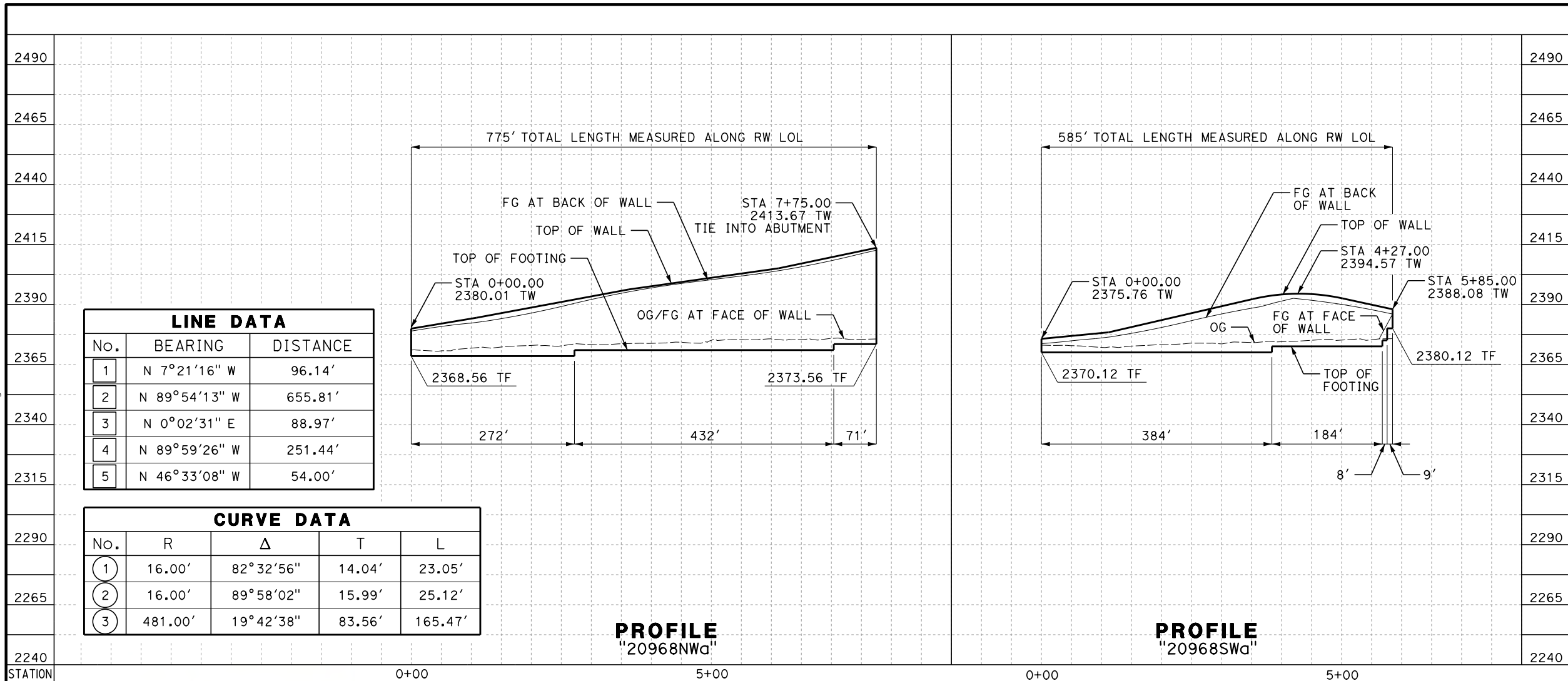


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3
RETAINING WALL
AVENUE J
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
ST-G1041
SCALE
AS SHOWN
SHEET NO.

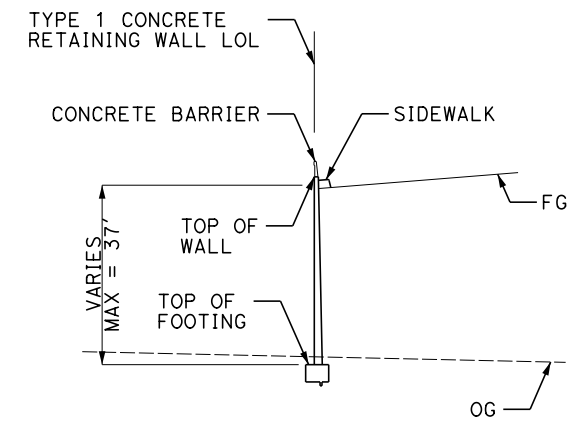
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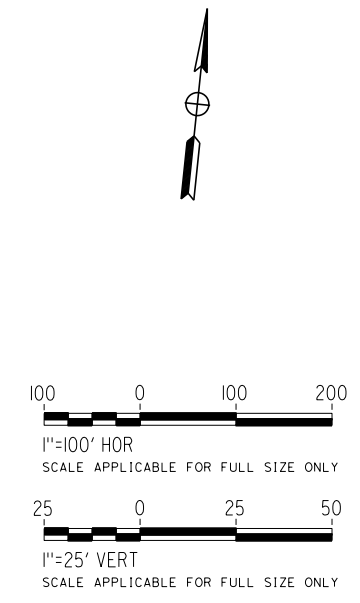
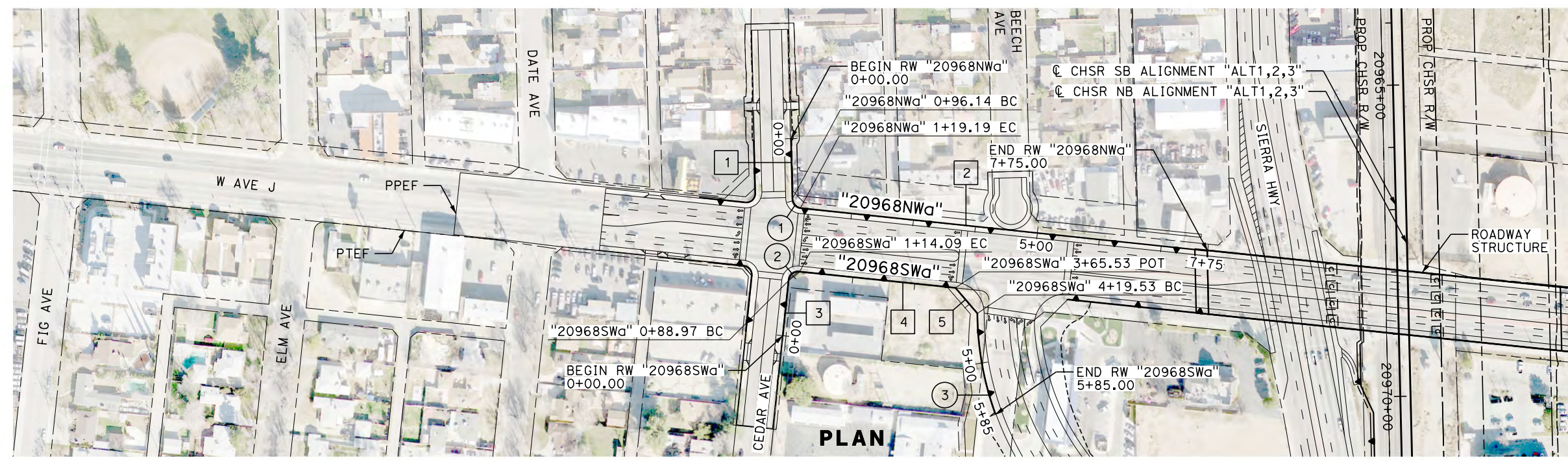


LINE DATA		
No.	BEARING	DISTANCE
1	N 7°21'16" W	96.14'
2	N 89°54'13" W	655.81'
3	N 0°02'31" E	88.97'
4	N 89°59'26" W	251.44'
5	N 46°33'08" W	54.00'

CURVE DATA				
No.	R	Δ	T	L
1	16.00'	82°32'56"	14.04'	23.05'
2	16.00'	89°58'02"	15.99'	25.12'
3	481.00'	19°42'38"	83.56'	165.47'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
AVENUE J
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

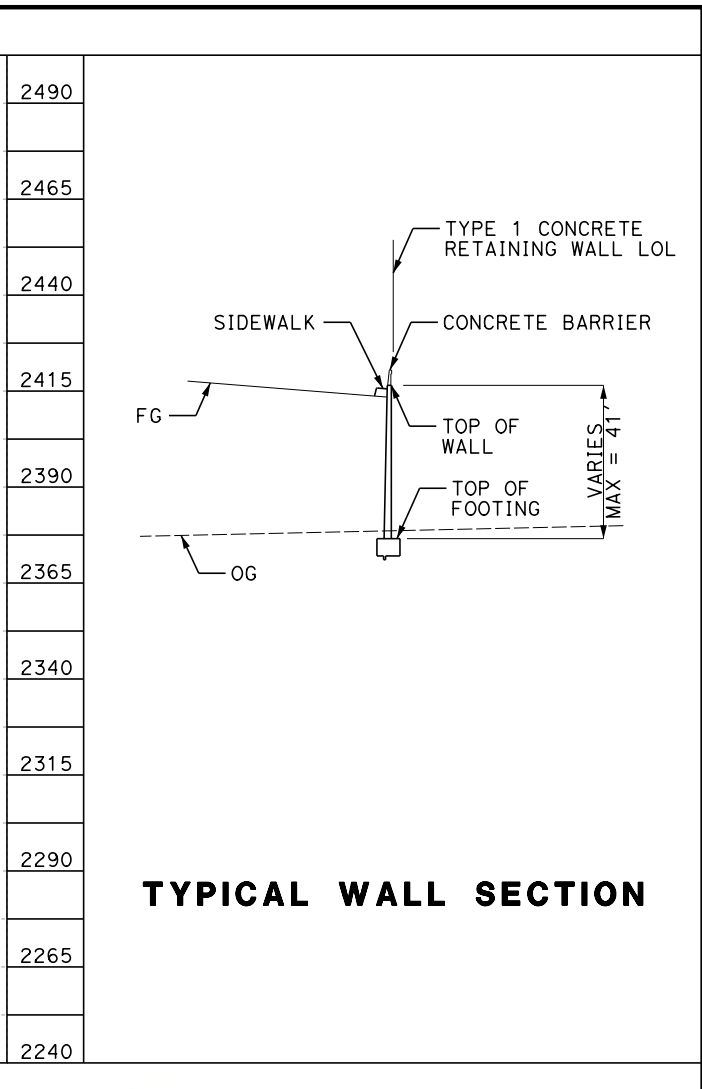
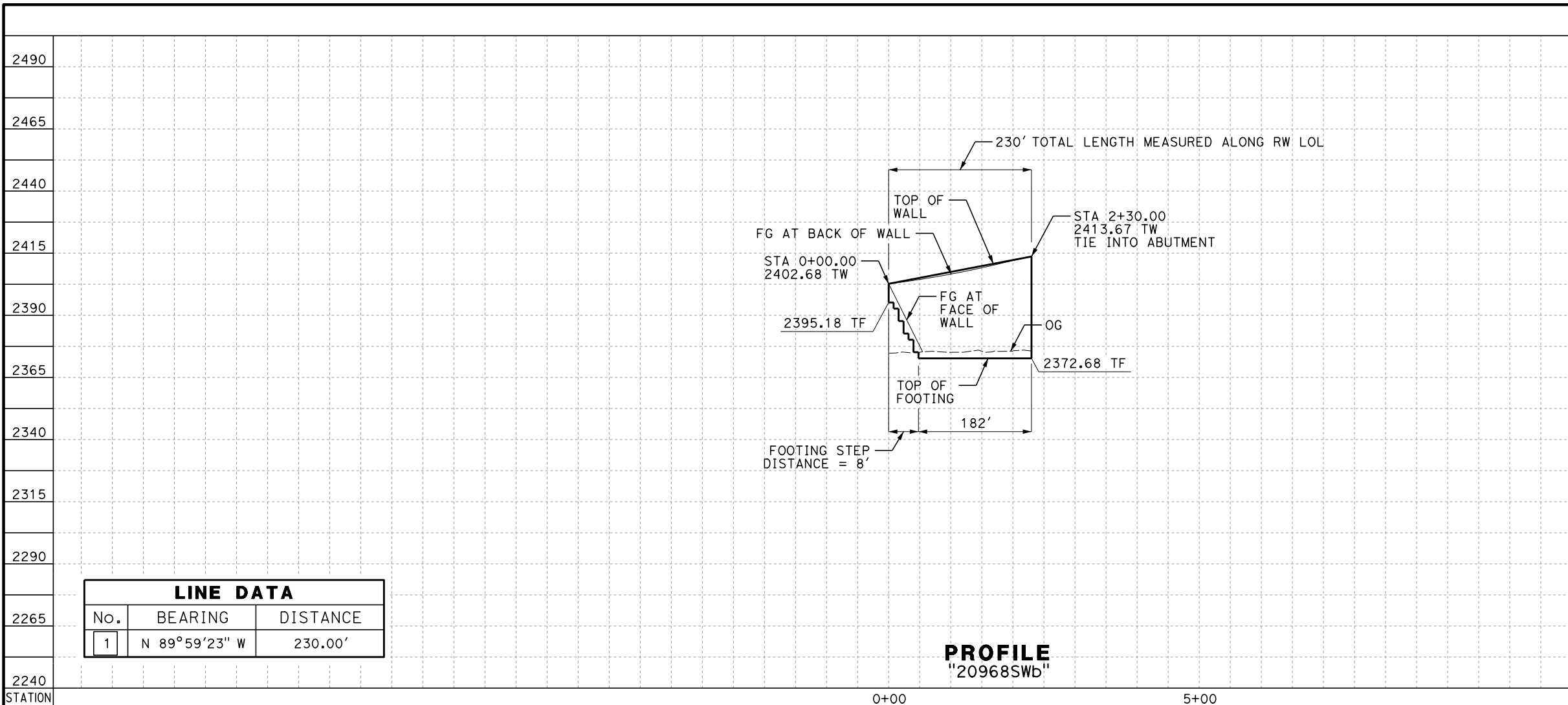
DRAWING NO.
ST-G1042

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1043.dgn

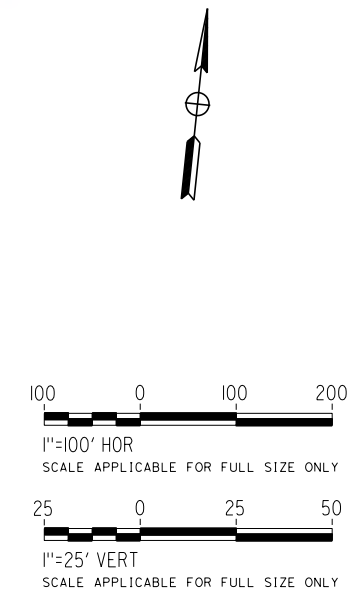
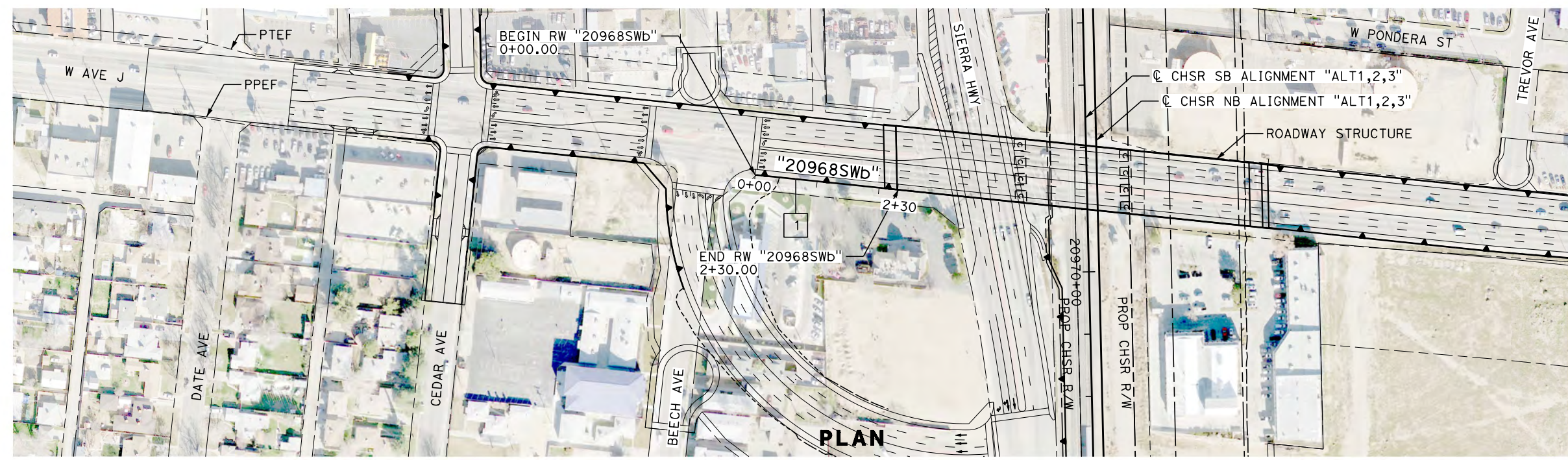
OIC:ARIVERA 11/23/2017 4:13:14 PM



LINE DATA		
No.	BEARING	DISTANCE
1	N 89°59'23" W	230.00'

PROFILE
"20968SWb"

TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

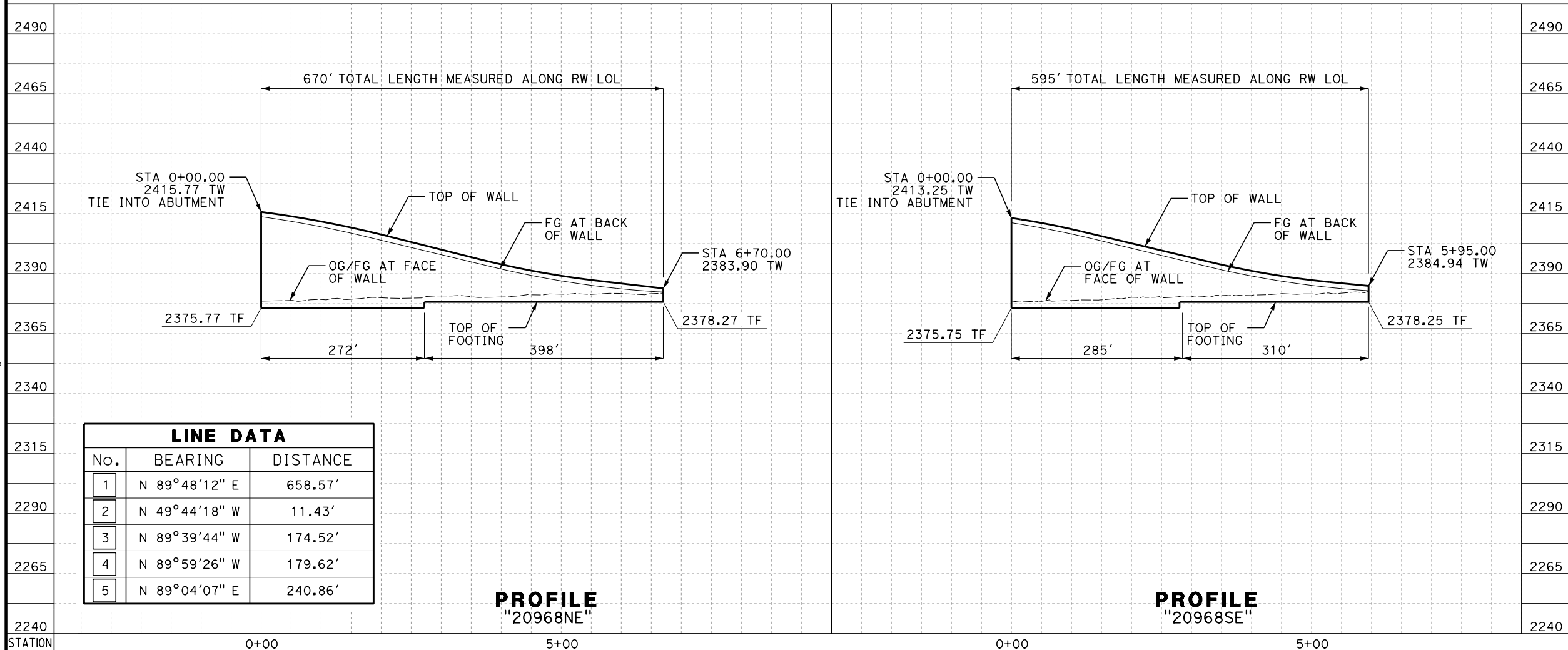


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3
RETAINING WALL
AVENUE J
PLAN AND PROFILE

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

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1044.dgn

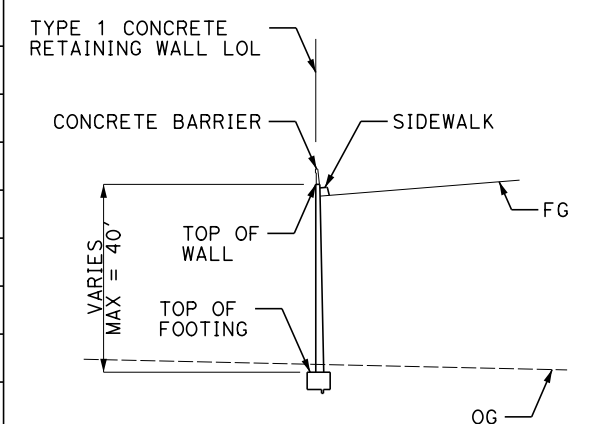
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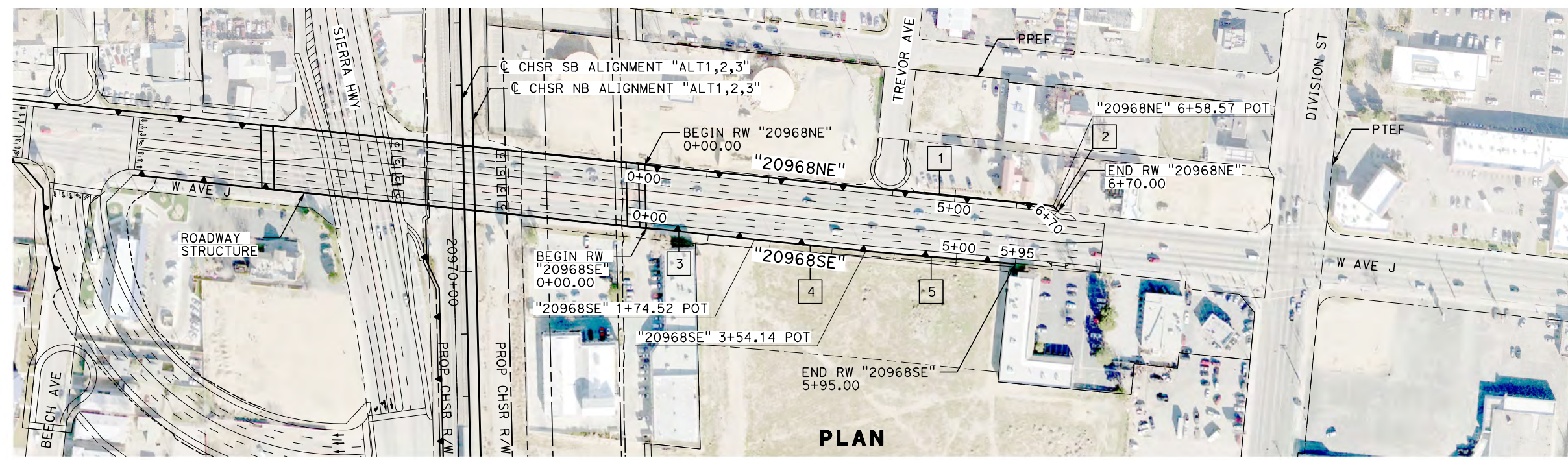
LINE DATA		
No.	BEARING	DISTANCE
1	N 89°48'12" E	658.57'
2	N 49°44'18" W	11.43'
3	N 89°39'44" W	174.52'
4	N 89°59'26" W	179.62'
5	N 89°04'07" E	240.86'

PROFILE
"20968NE"

PROFILE
"20968SE"



TYPICAL WALL SECTION



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
AVENUE J
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

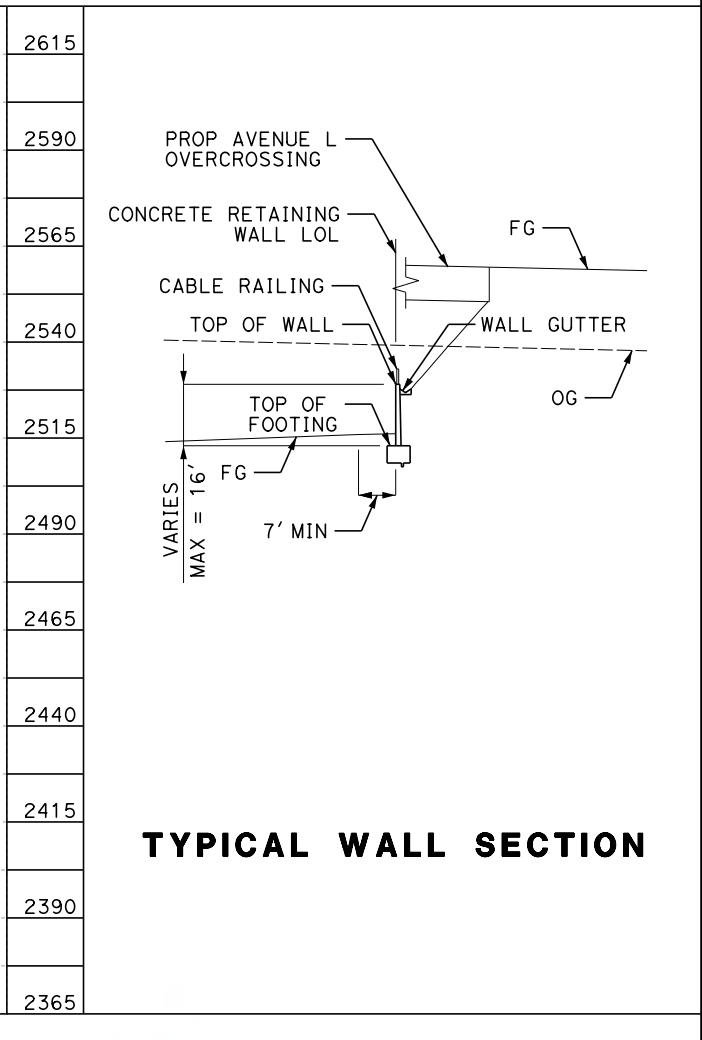
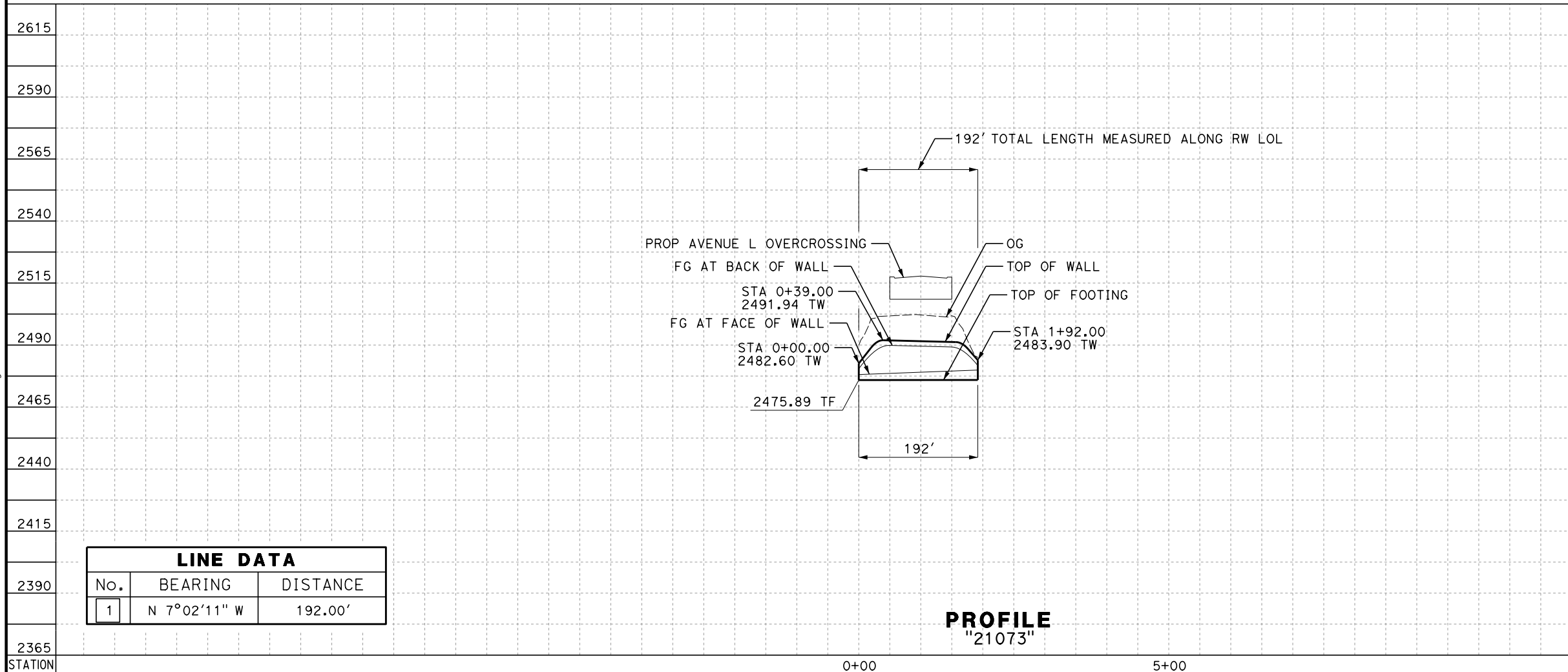
DRAWING NO.
ST-G1044

SCALE
AS SHOWN

SHEET NO.

Projects\01206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1045.dgn

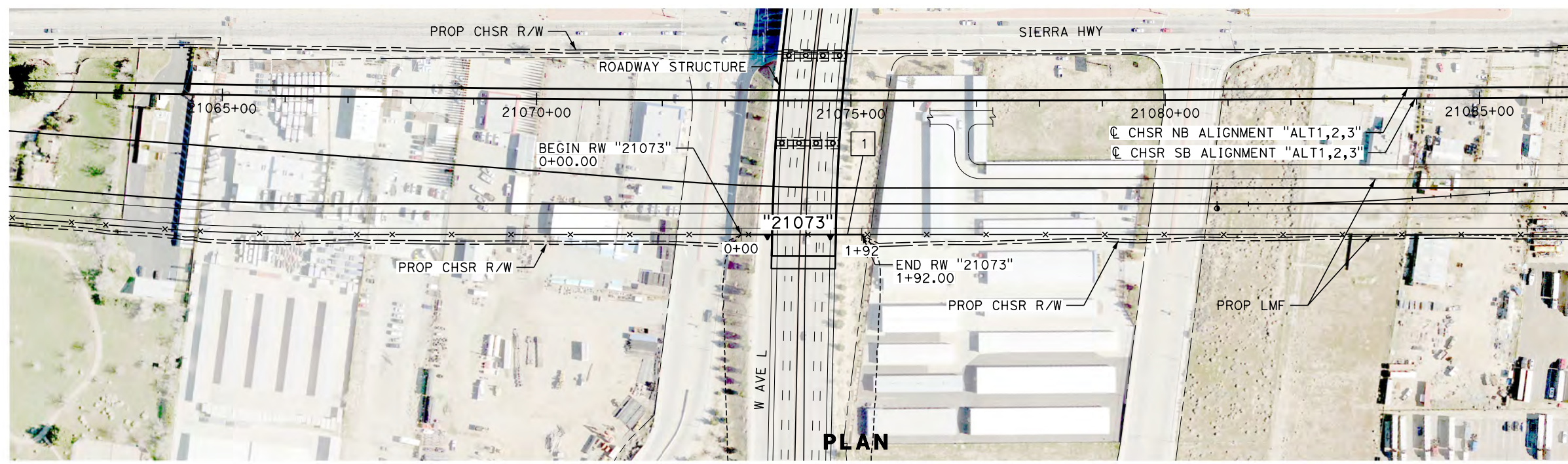
OIC:ARivera 11/3/2017 4:14:28 PM



LINE DATA		
No.	BEARING	DISTANCE
1	N 7°02'11" W	192.00'

PROFILE
"21073"

TYPICAL WALL SECTION



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
AVENUE L
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

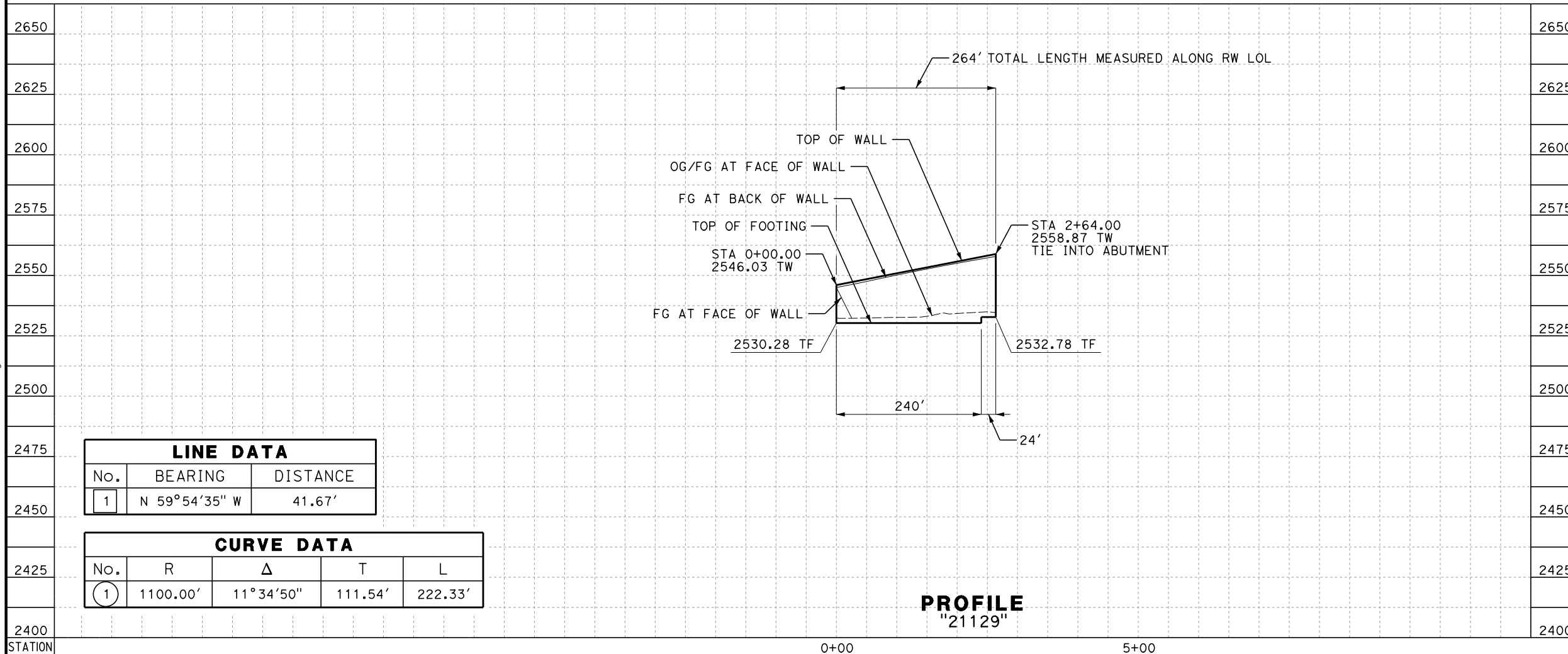
DRAWING NO.
ST-G1045

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1047.dgn

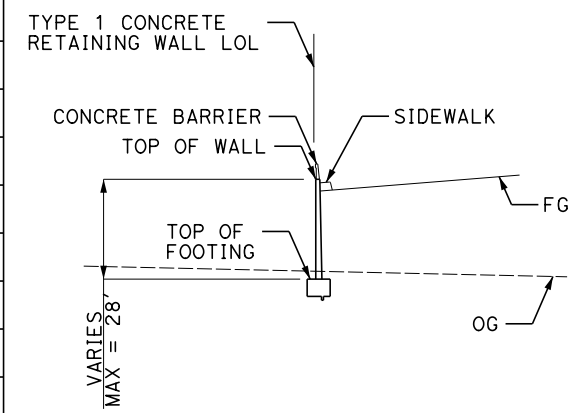
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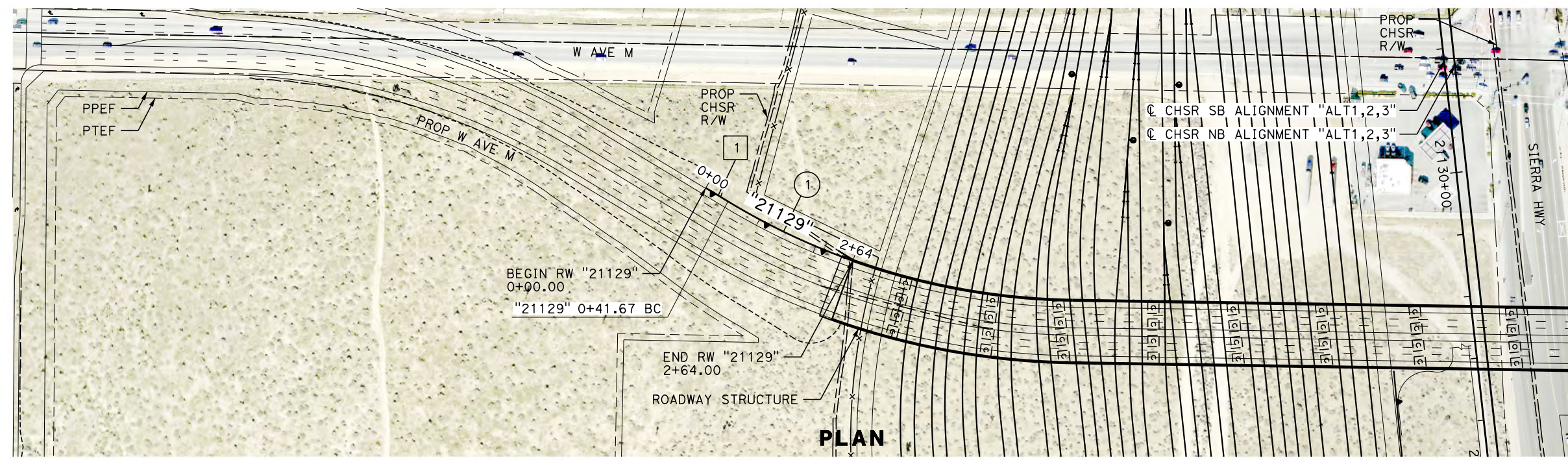
LINE DATA		
No.	BEARING	DISTANCE
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CURVE DATA				
No.	R	Δ	T	L
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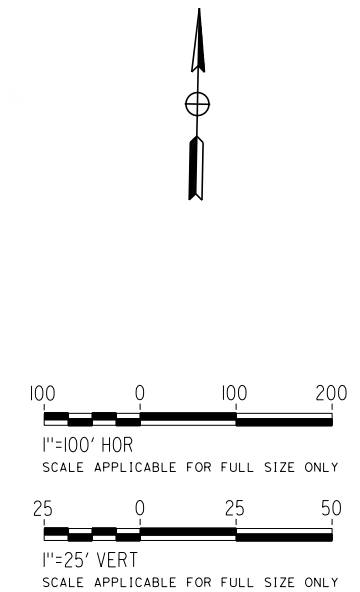
PROFILE
"21129"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
AVENUE M
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

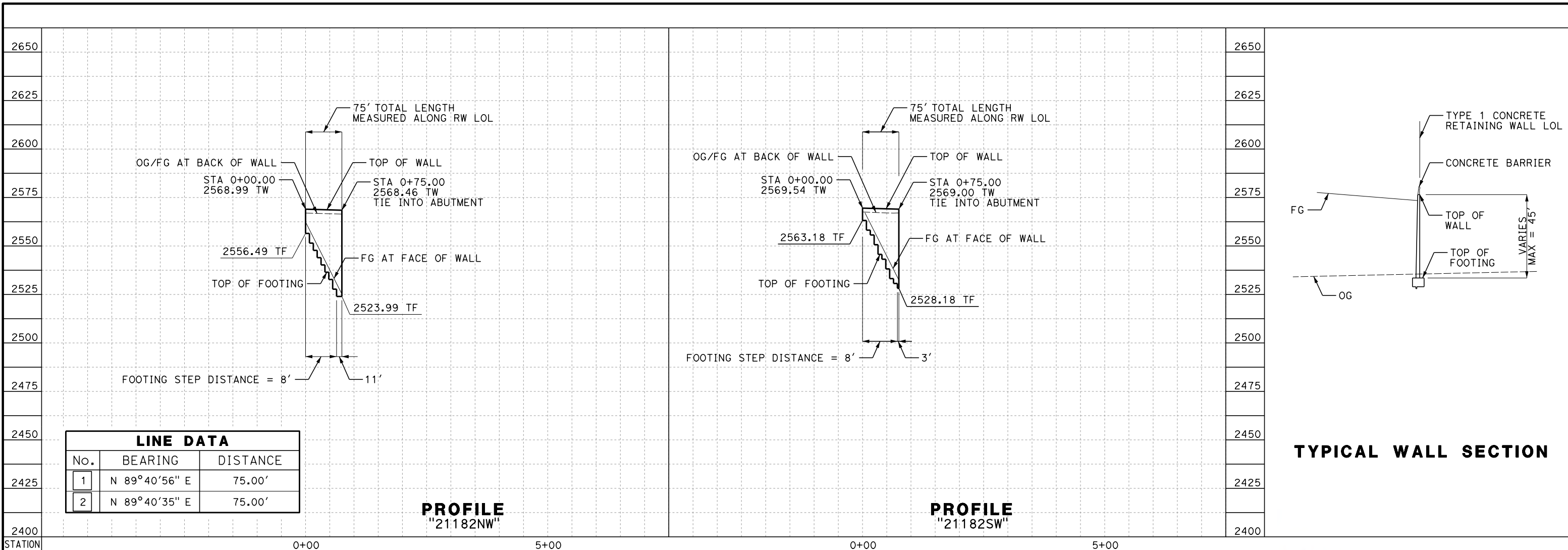
DRAWING NO.
ST-G1047

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1048.dgn

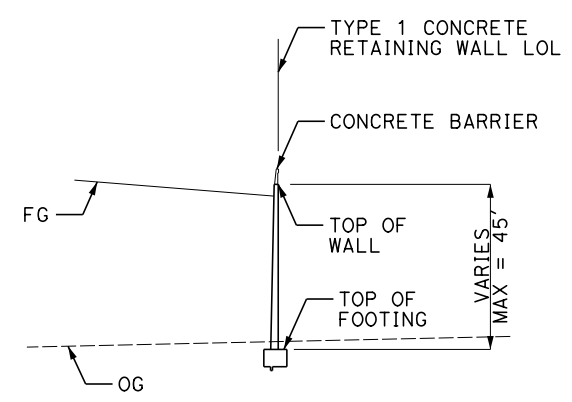
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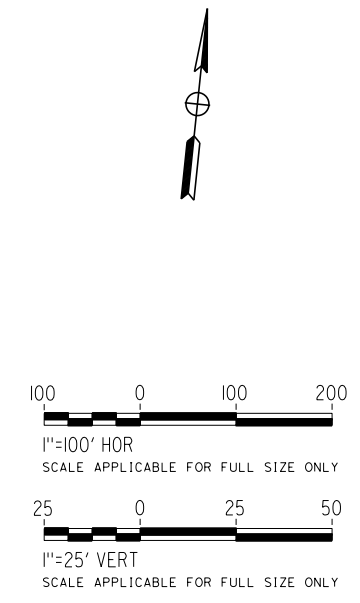
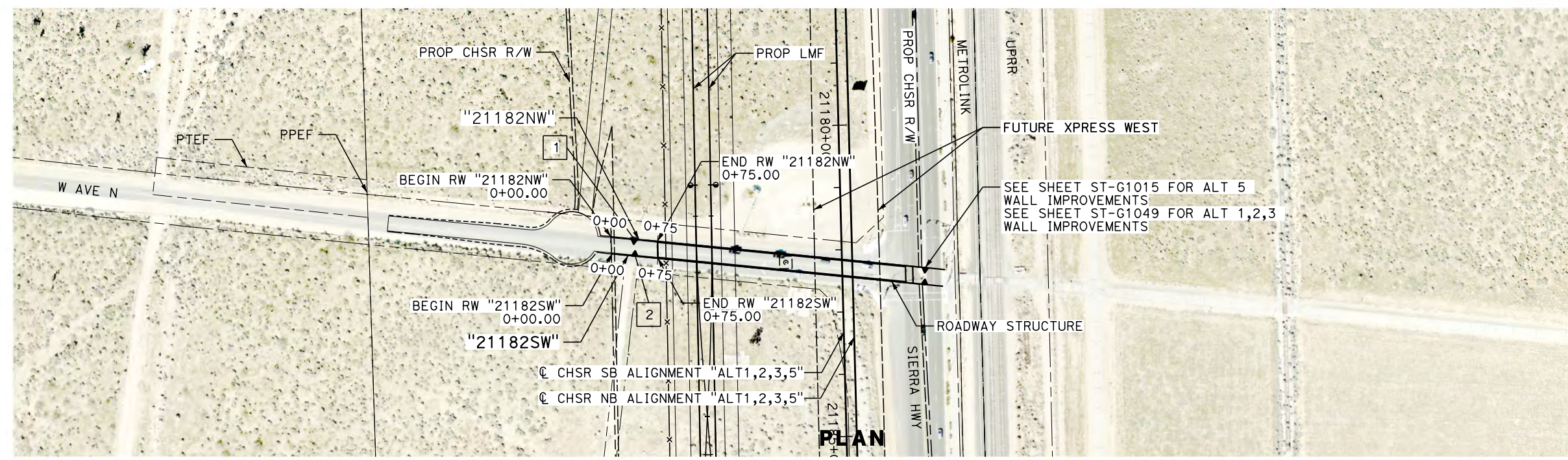
LINE DATA		
No.	BEARING	DISTANCE
1	N 89°40'56" E	75.00'
2	N 89°40'35" E	75.00'

PROFILE
"21182NW"

PROFILE
"21182SW"



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

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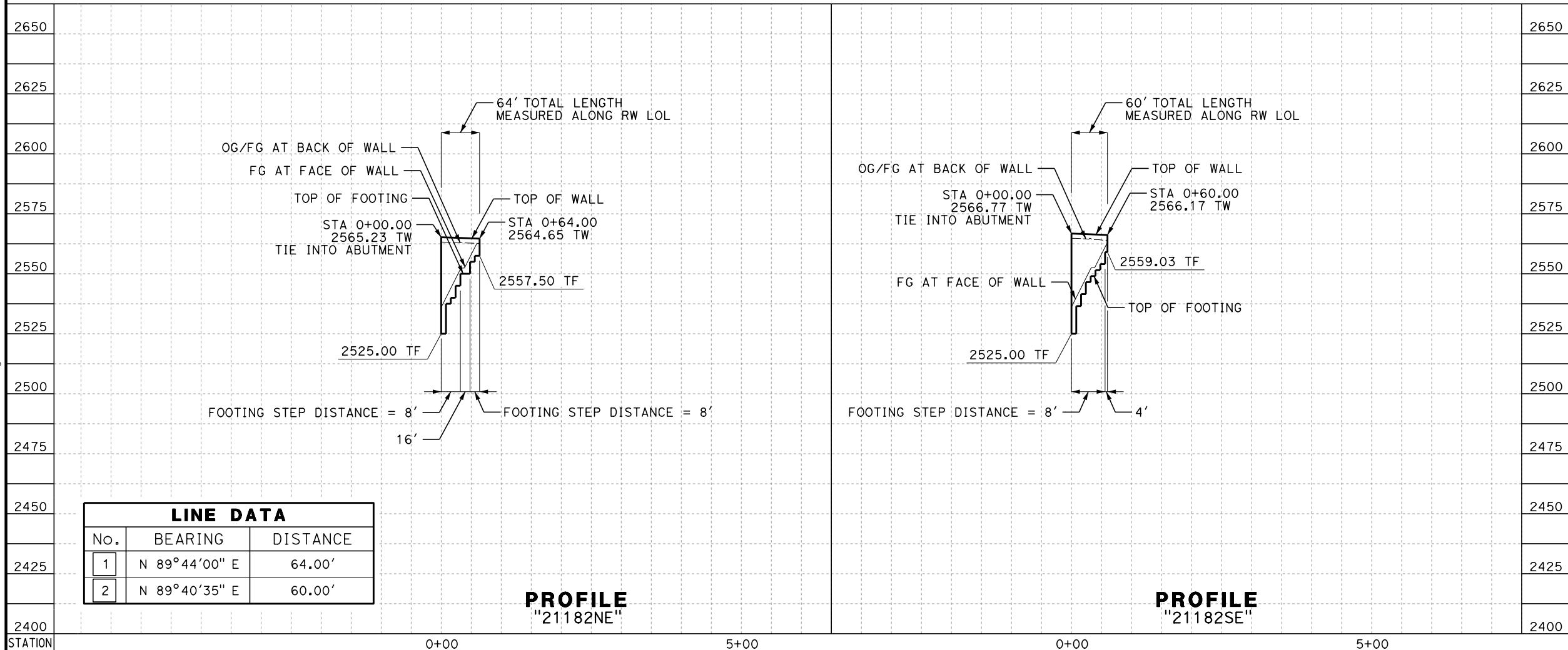


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3,5
RETAINING WALL
AVENUE N
PLAN AND PROFILE

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

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1049.dgn

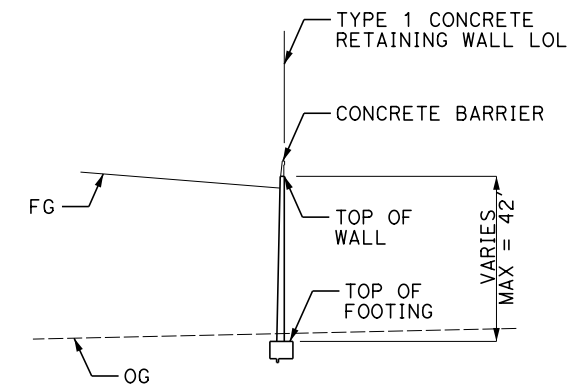
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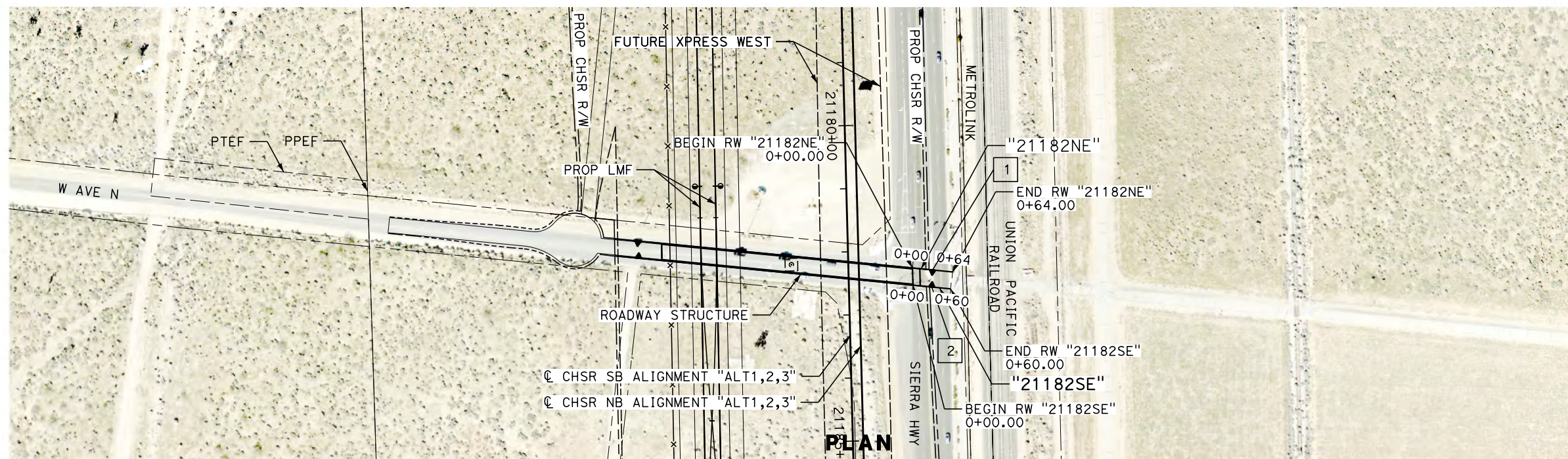
LINE DATA		
No.	BEARING	DISTANCE
1	N 89°44'00" E	64.00'
2	N 89°40'35" E	60.00'

PROFILE
"21182NE"

PROFILE
"21182SE"



TYPICAL WALL SECTION



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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PEPD
SUBMITTAL**

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CONSTRUCTION**



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

ALTERNATIVE 1,2,3
RETAINING WALL
AVENUE N
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

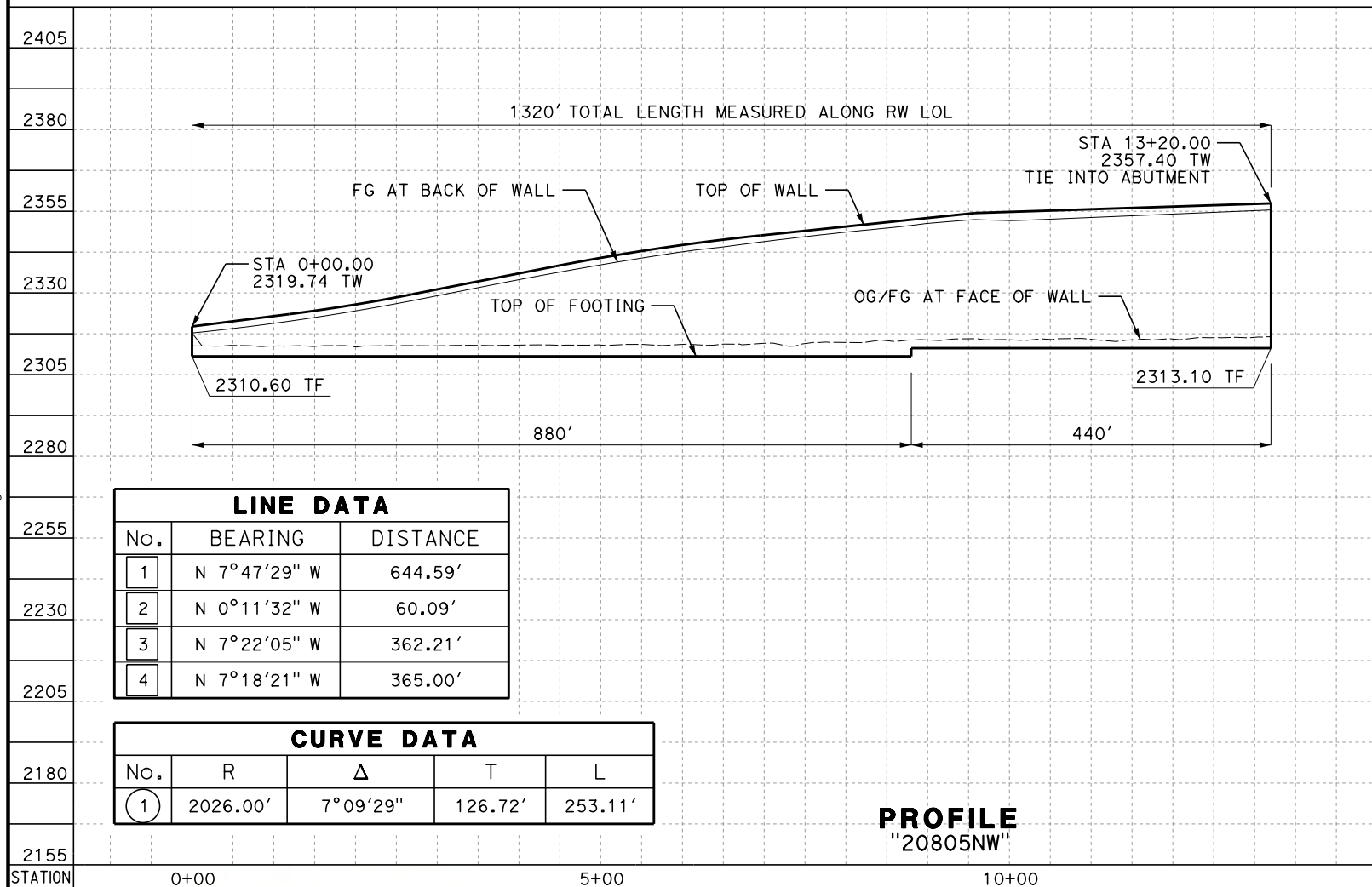
DRAWING NO.
ST-G1049

SCALE
AS SHOWN

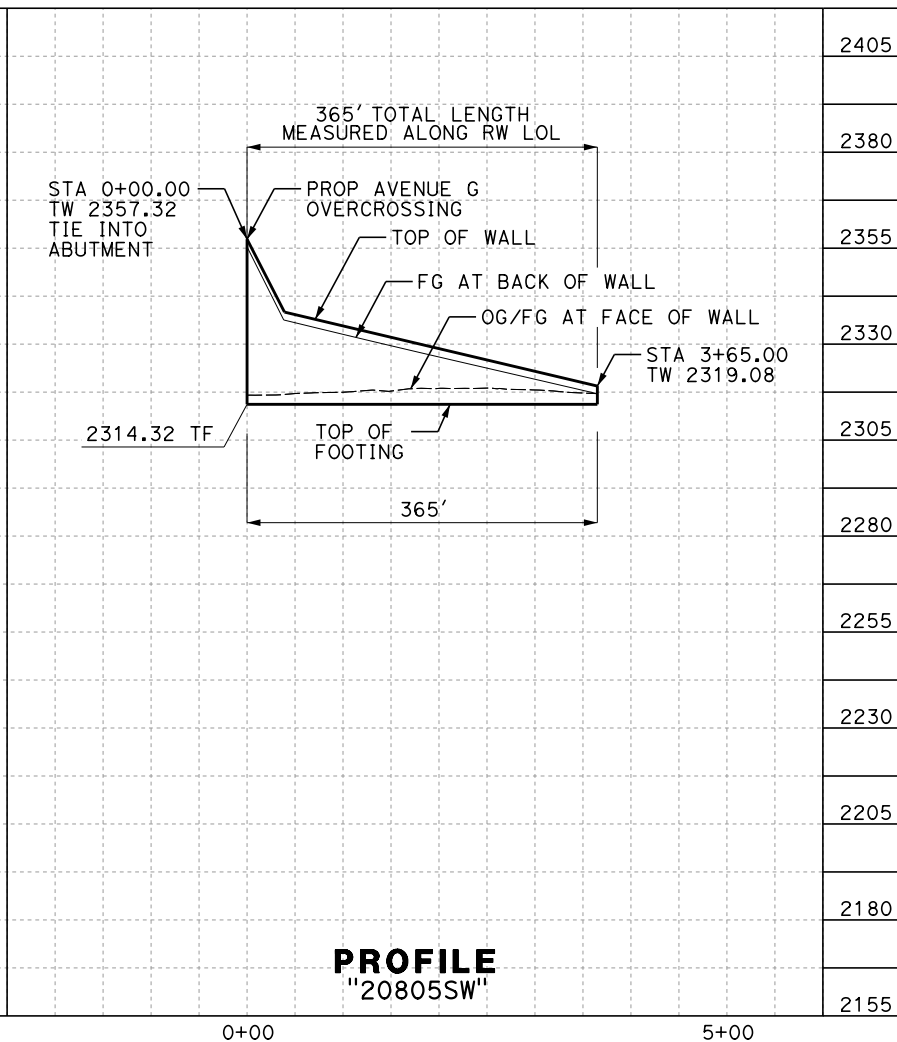
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1051.dgn

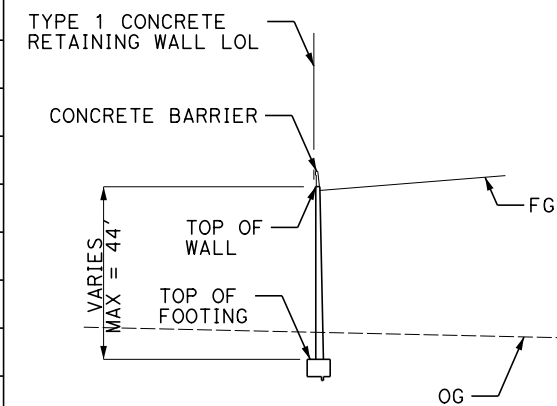
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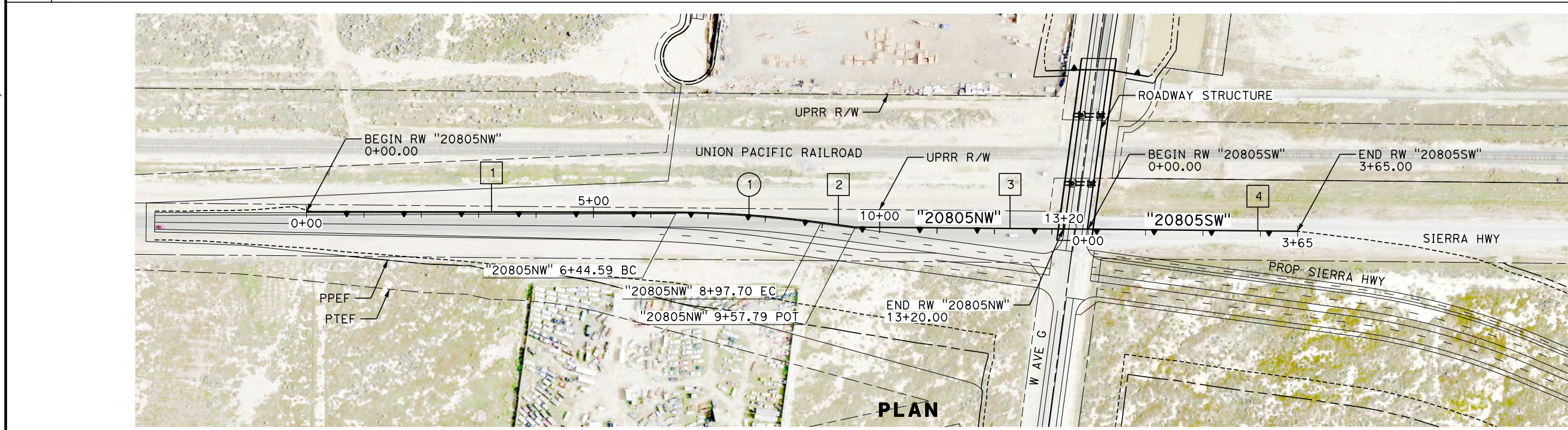
PROFILE
"20805NW"



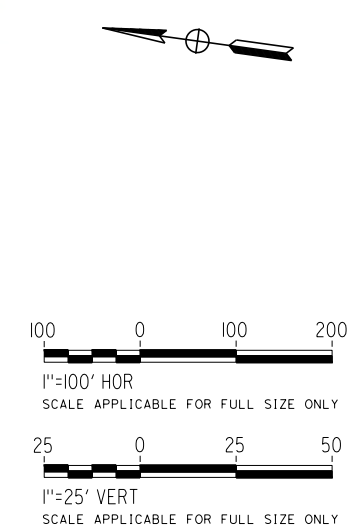
PROFILE
"20805SW"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
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**NOT FOR
CONSTRUCTION**



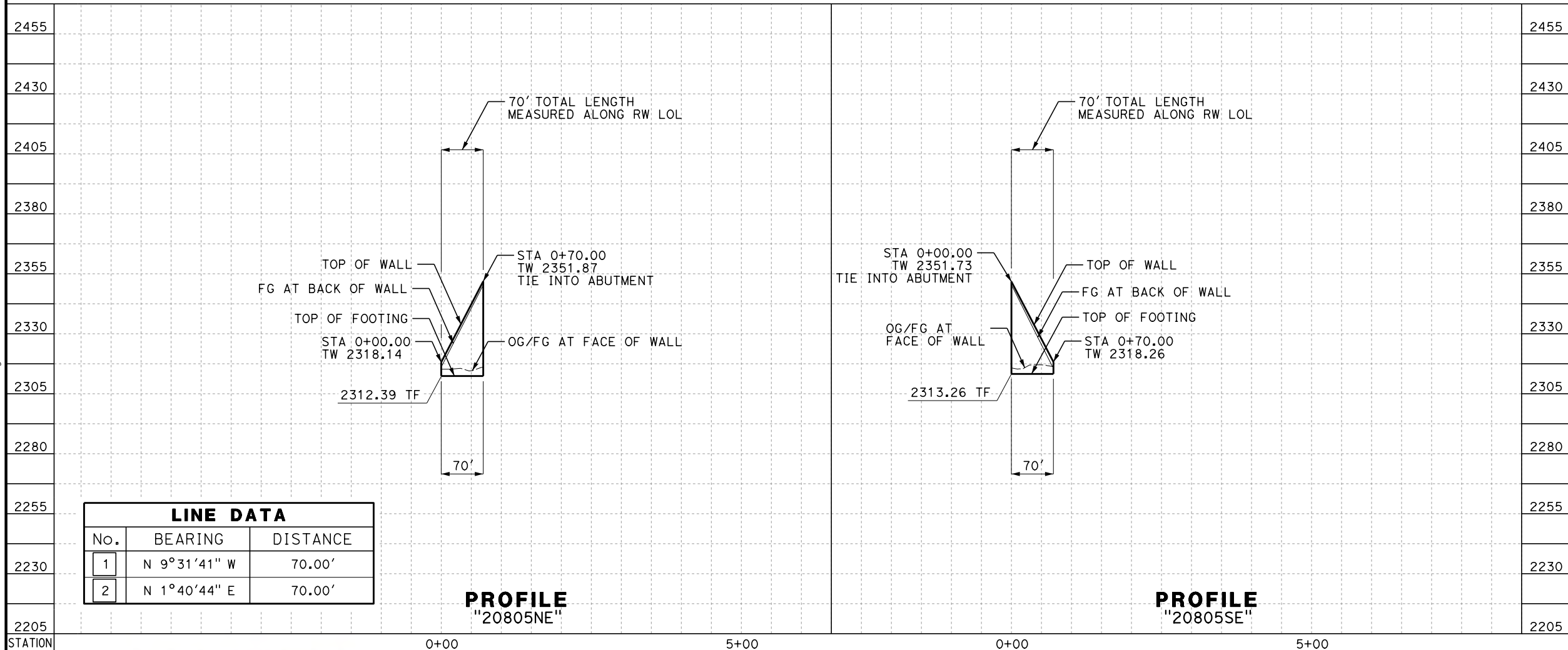
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5
RETAINING WALL
SIERRA HIGHWAY
PLAN AND PROFILE

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

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1052.dgn

OIC:Arivera 11/3/2017 4:15:45 PM

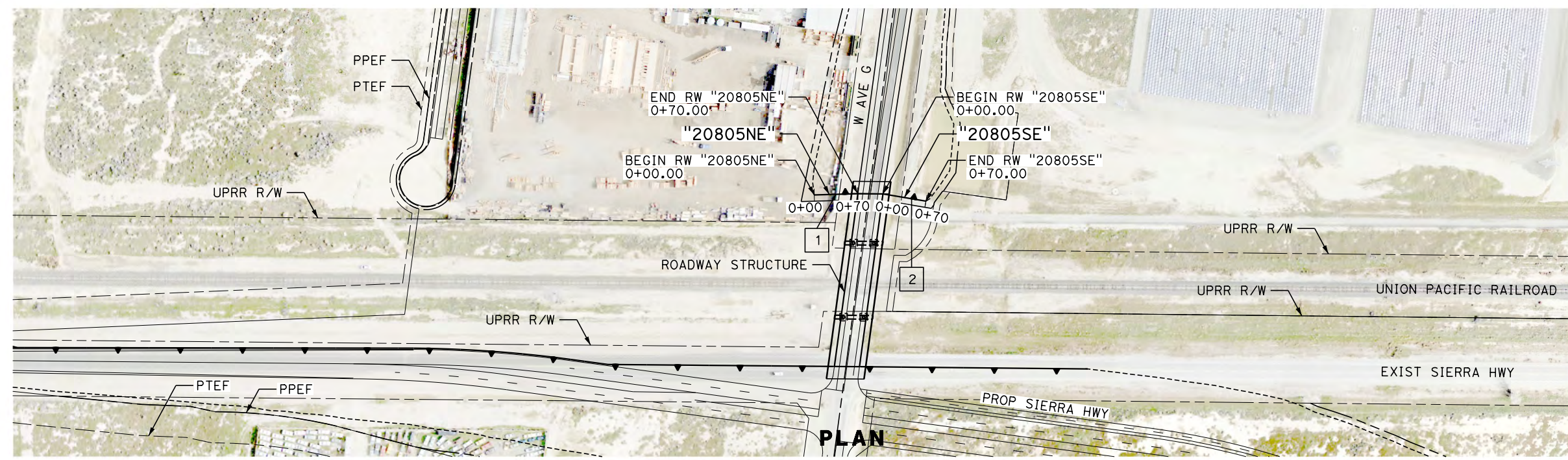
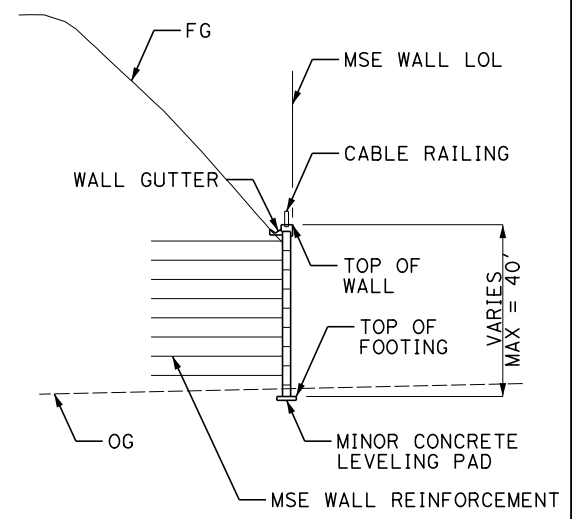


LINE DATA		
No.	BEARING	DISTANCE
1	N 9°31'41" W	70.00'
2	N 1°40'44" E	70.00'

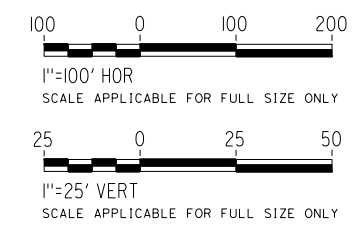
PROFILE
"20805NE"

PROFILE
"20805SE"

TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

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CONSTRUCTION**



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

ALTERNATIVE 5
RETAINING WALL
AVENUE G
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

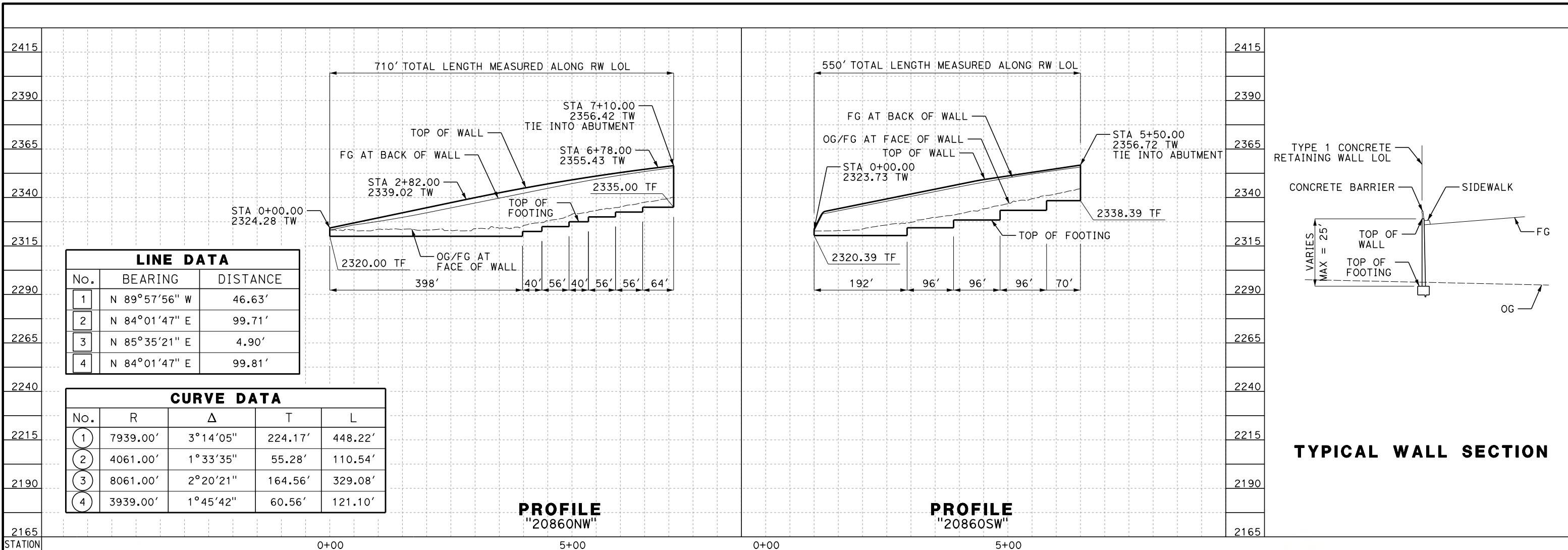
DRAWING NO.
ST-G1052

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1053.dgn

OIC:ARivera 11/23/2017 4:11:51 PM

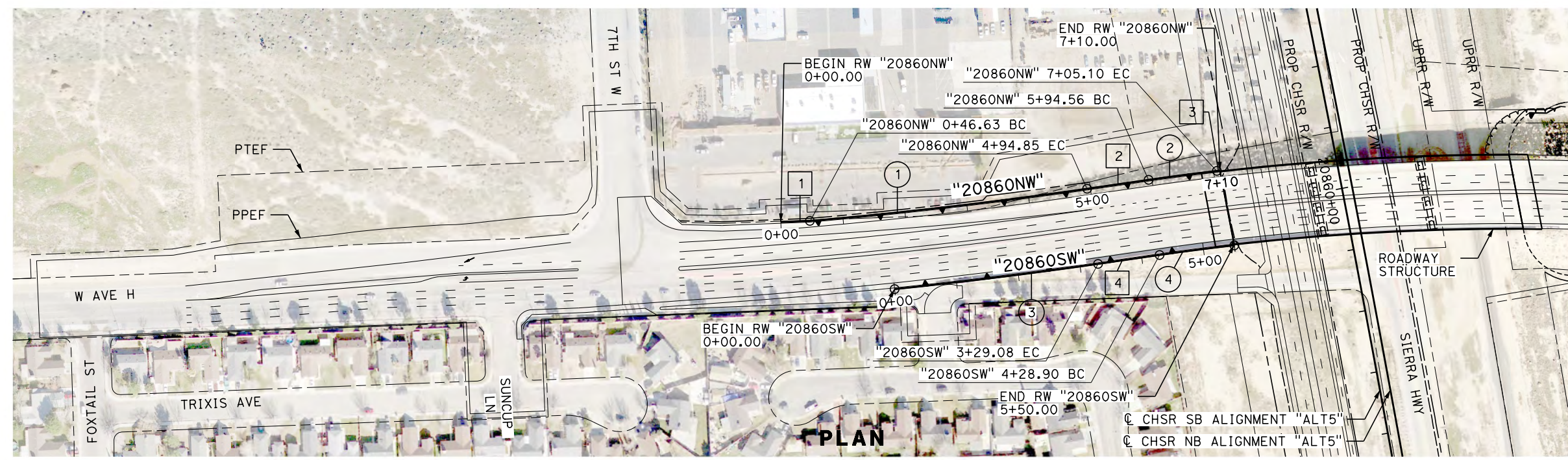


LINE DATA

No.	BEARING	DISTANCE
1	N 89°57'56" W	46.63'
2	N 84°01'47" E	99.71'
3	N 85°35'21" E	4.90'
4	N 84°01'47" E	99.81'

CURVE DATA

No.	R	Δ	T	L
1	7939.00'	3°14'05"	224.17'	448.22'
2	4061.00'	1°33'35"	55.28'	110.54'
3	8061.00'	2°20'21"	164.56'	329.08'
4	3939.00'	1°45'42"	60.56'	121.10'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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
RETAINING WALL
AVENUE H
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

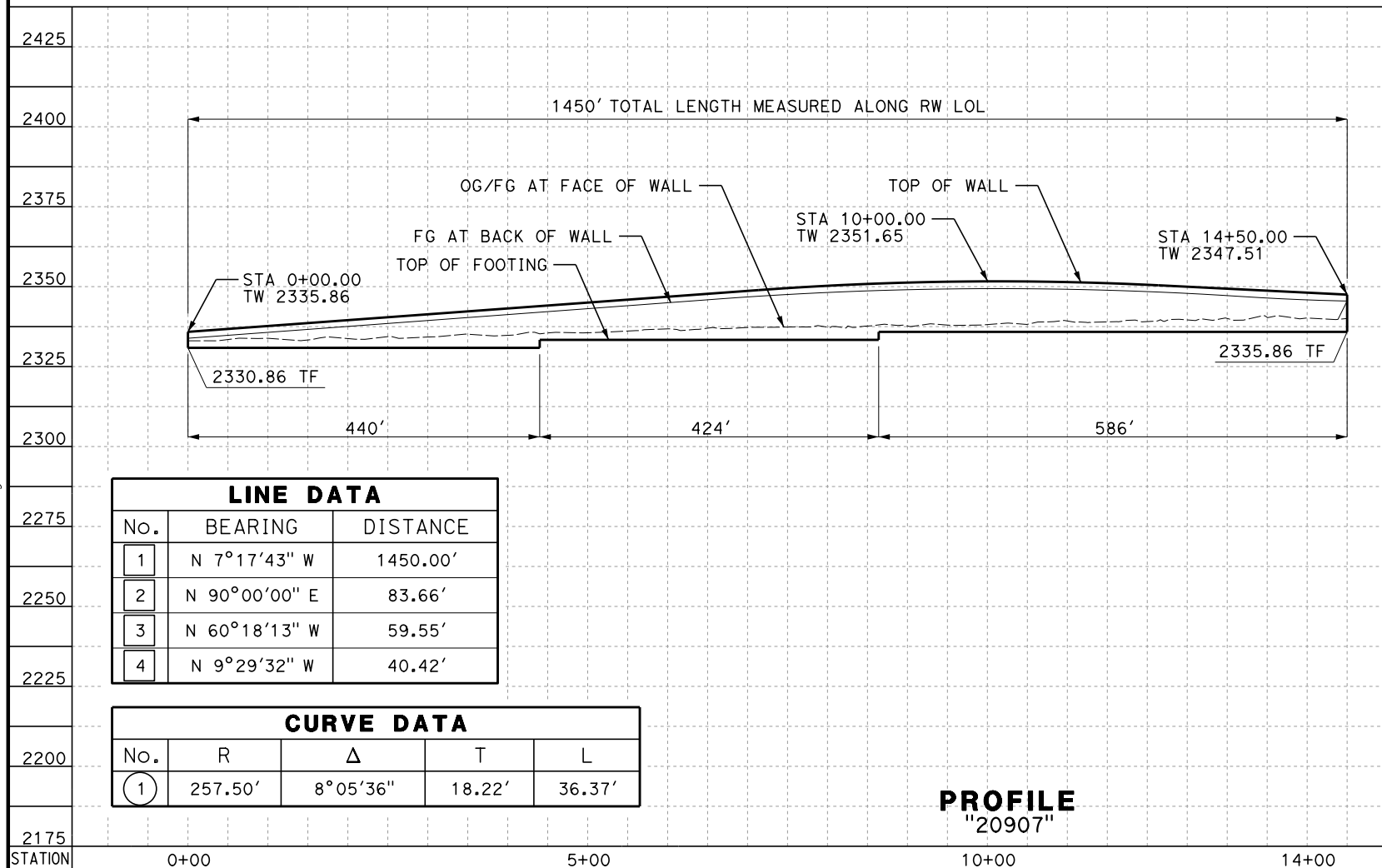
DRAWING NO.
ST-G1053

SCALE
AS SHOWN

SHEET NO.

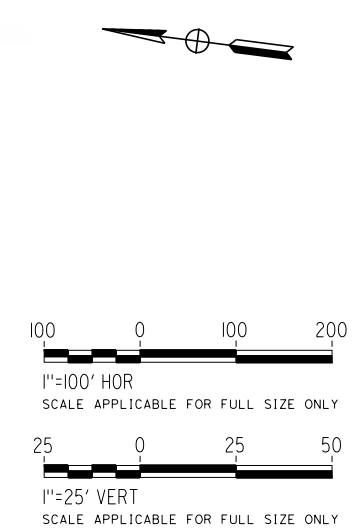
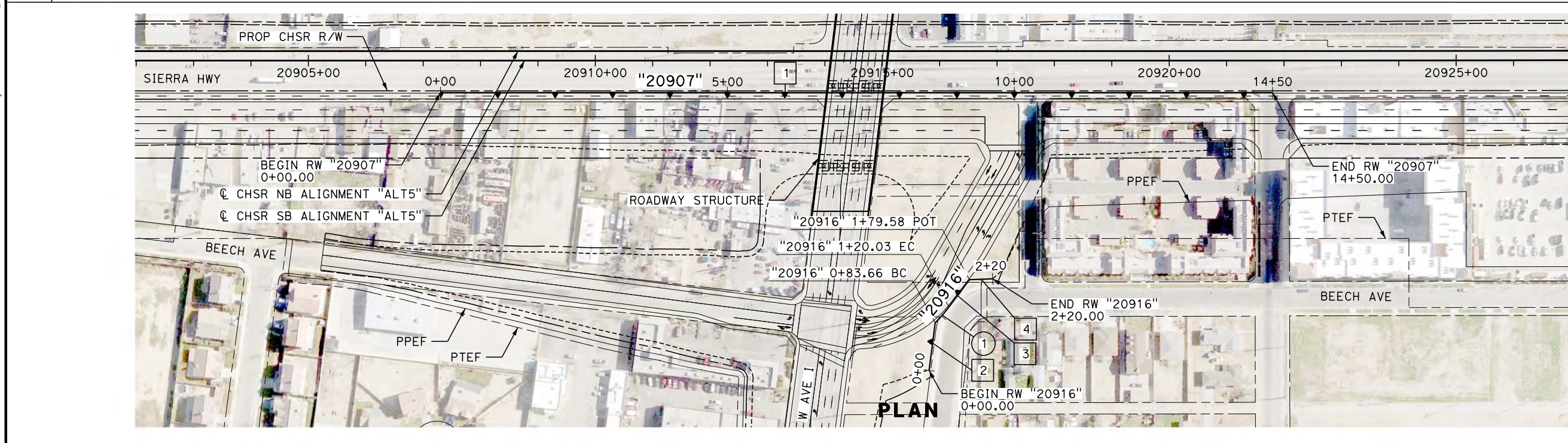
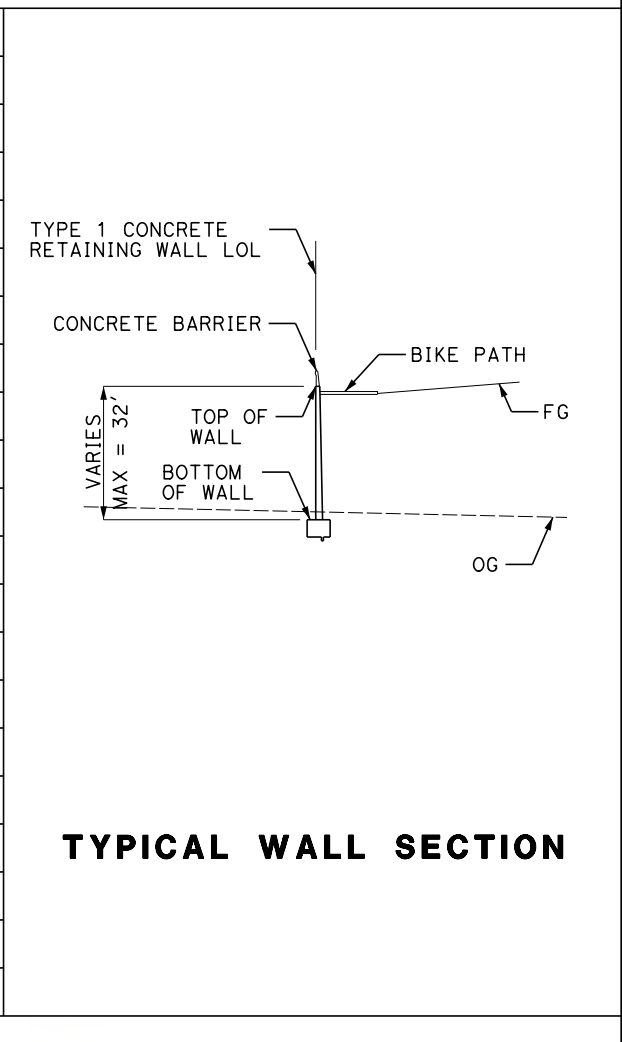
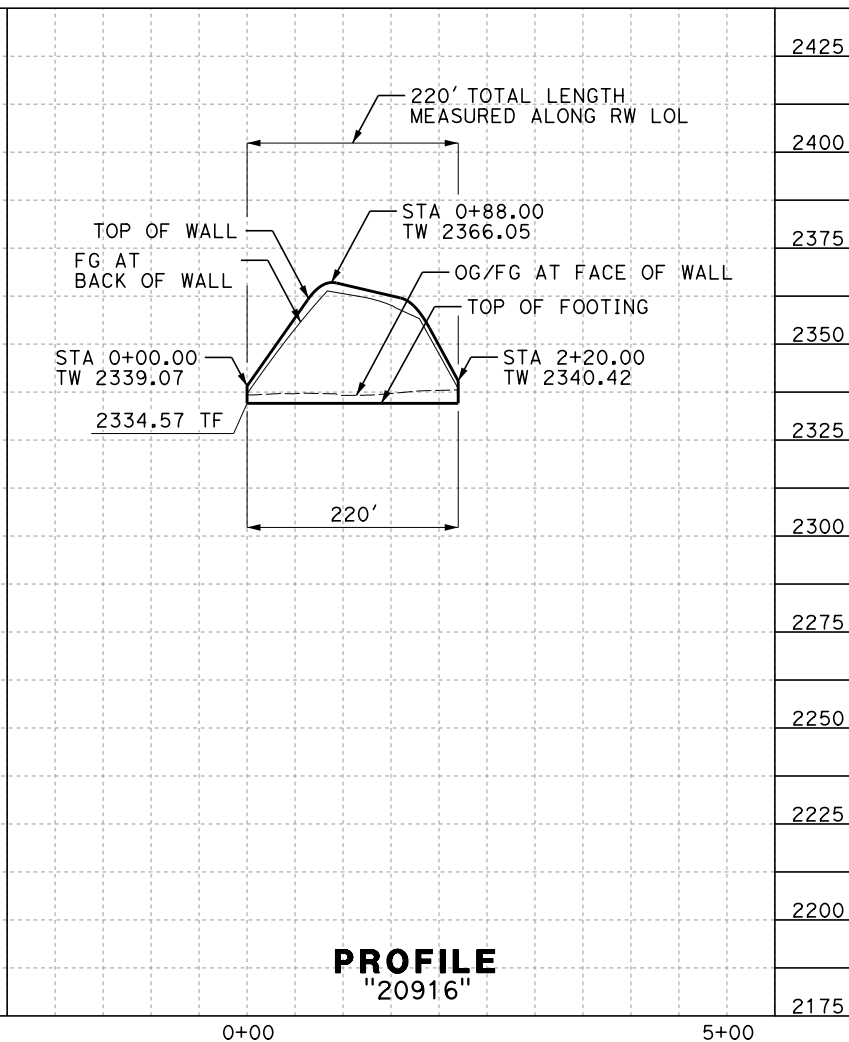
Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1056.dgn

OIC:ARIVERA 11/23/2017 4:13:17 PM



LINE DATA		
No.	BEARING	DISTANCE
1	N 7°17'43" W	1450.00'
2	N 90°00'00" E	83.66'
3	N 60°18'13" W	59.55'
4	N 9°29'32" W	40.42'

CURVE DATA				
No.	R	Δ	T	L
1	257.50'	8°05'36"	18.22'	36.37'



REV	DATE	BY	CHK	APP	DESCRIPTION

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

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

ALTERNATIVE 5
RETAINING WALL
AVENUE I AND SIERRA HIGHWAY
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

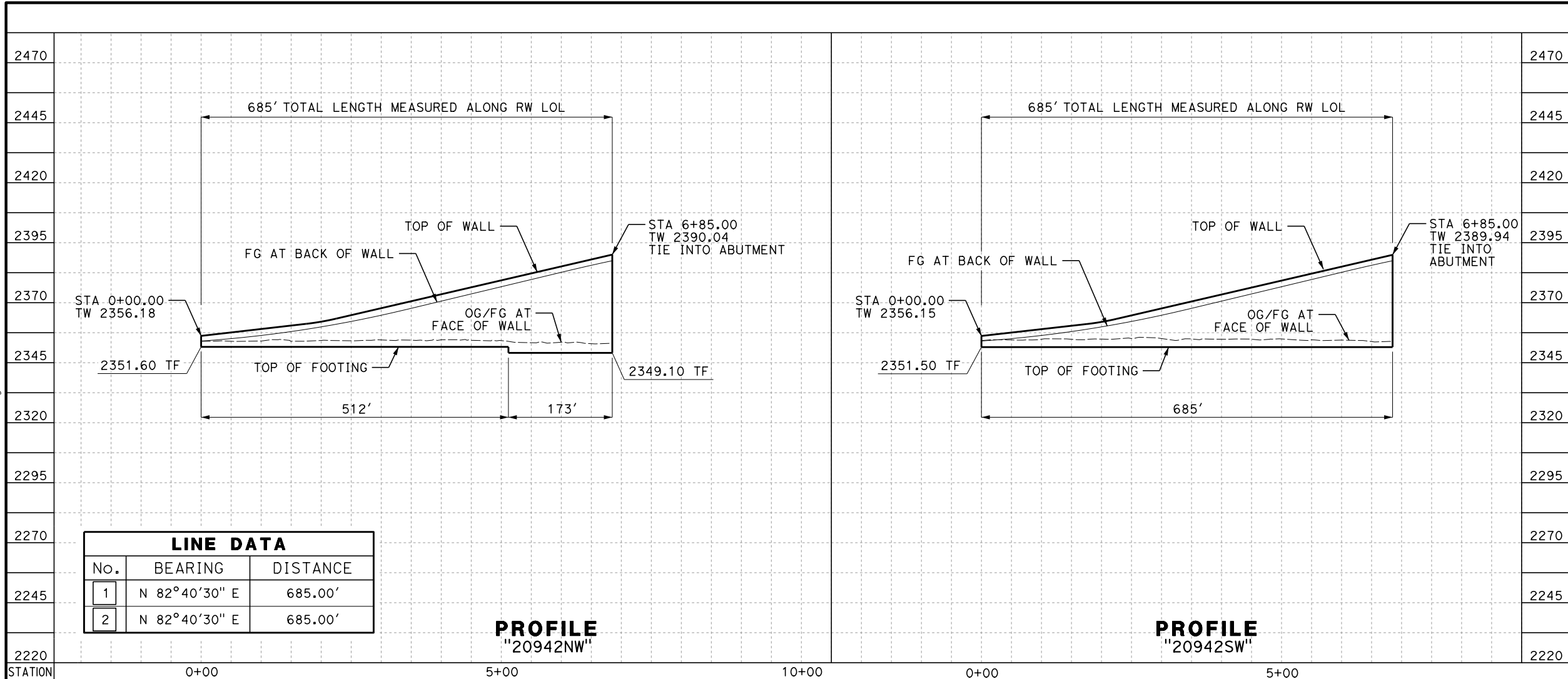
DRAWING NO.
ST-G1056

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1057.dgn

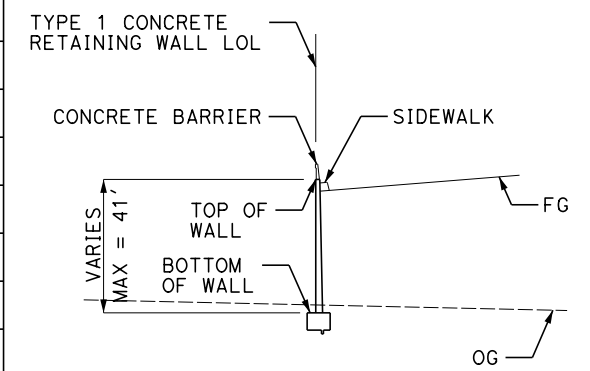
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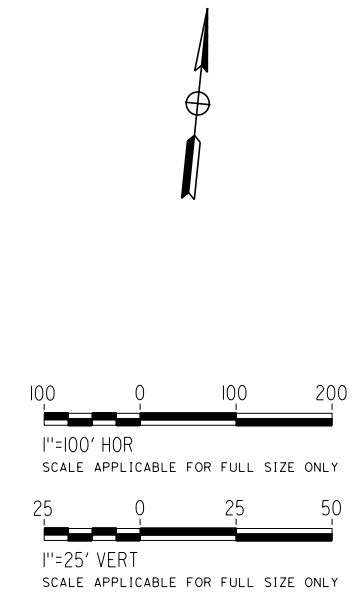
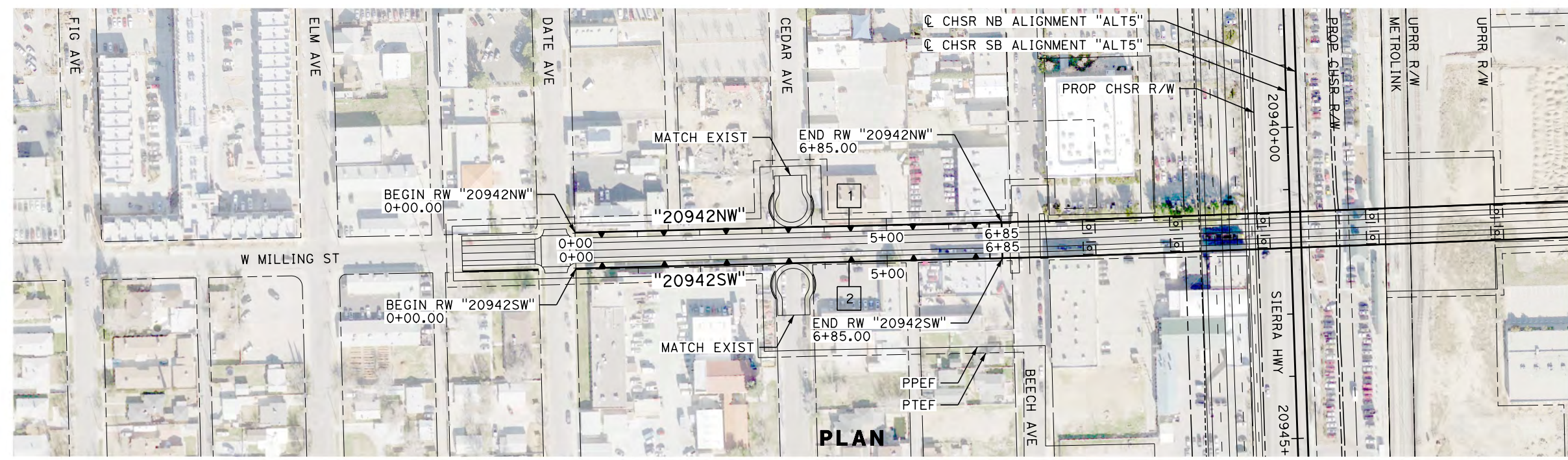
LINE DATA		
No.	BEARING	DISTANCE
1	N 82°40'30" E	685.00'
2	N 82°40'30" E	685.00'

PROFILE
"20942NW"

PROFILE
"20942SW"



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

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CONSTRUCTION**



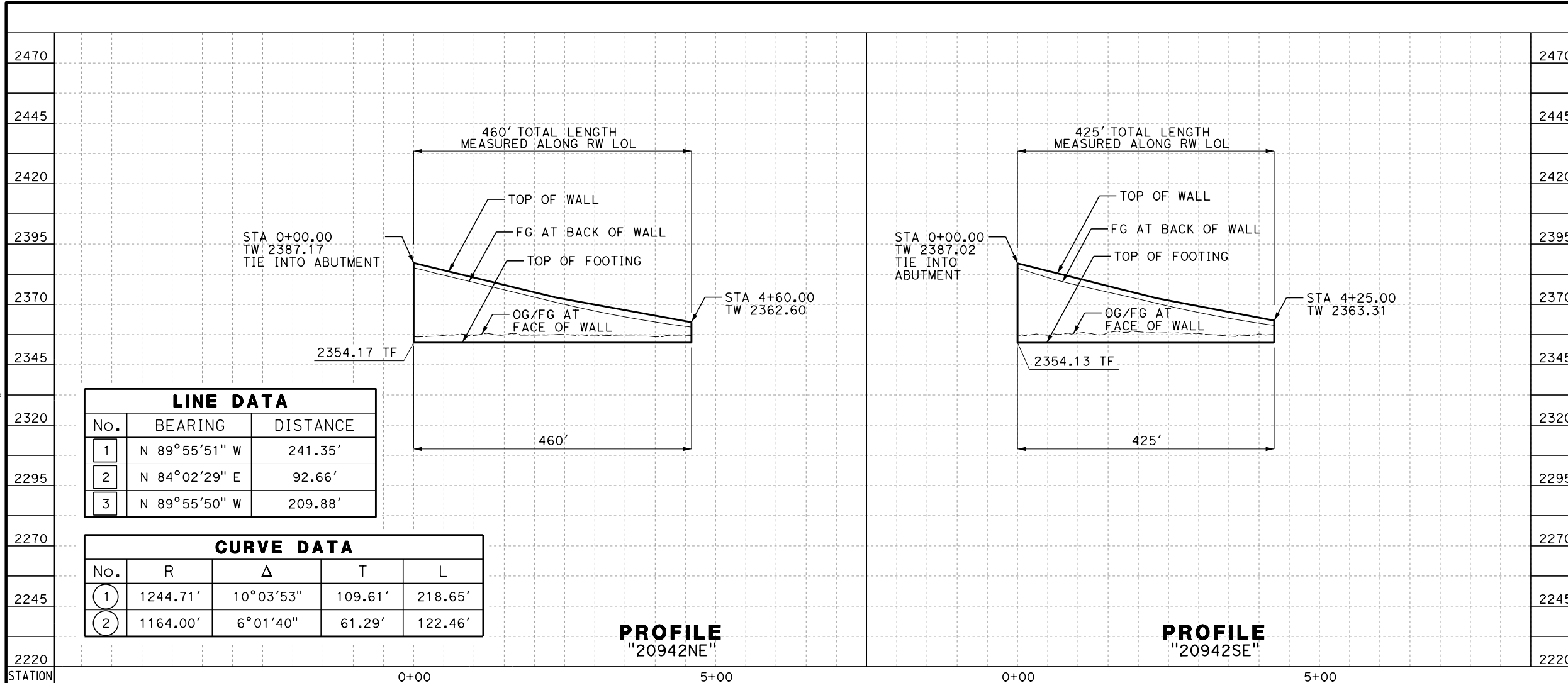
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5
RETAINING WALL
MILLING STREET
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
ST-G1057
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1058.dgn

OIC:ARivera 11/3/2017 4:11:52 PM

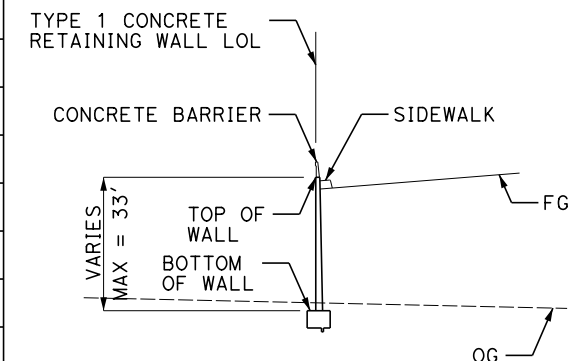


LINE DATA		
No.	BEARING	DISTANCE
1	N 89°55'51" W	241.35'
2	N 84°02'29" E	92.66'
3	N 89°55'50" W	209.88'

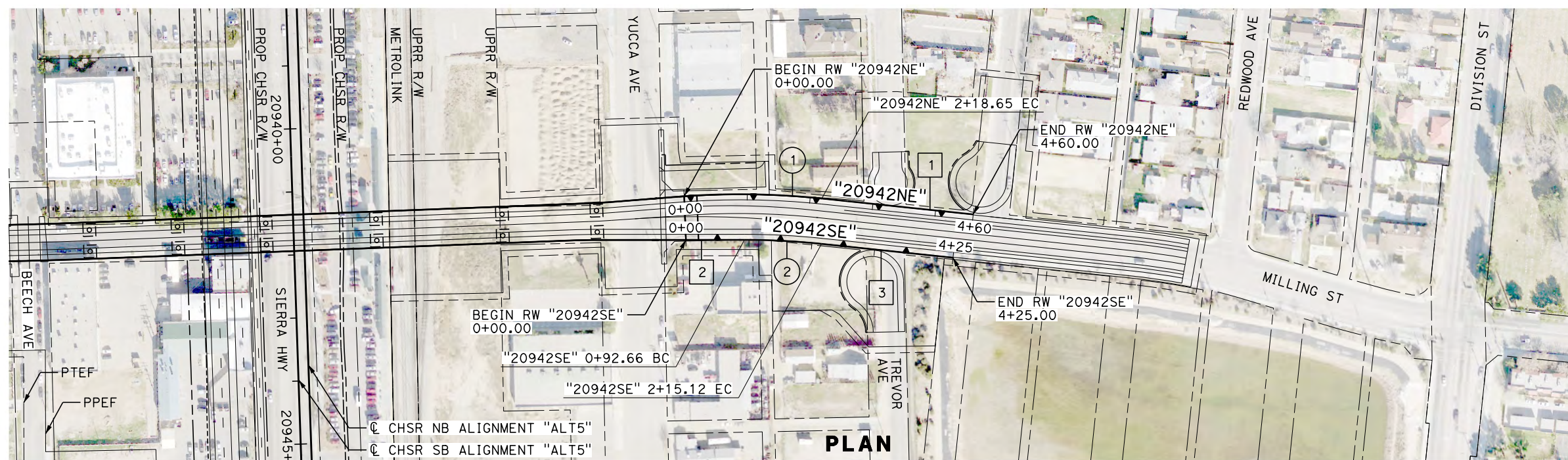
CURVE DATA				
No.	R	Δ	T	L
1	1244.71'	10°03'53"	109.61'	218.65'
2	1164.00'	6°01'40"	61.29'	122.46'

PROFILE
"20942NE"

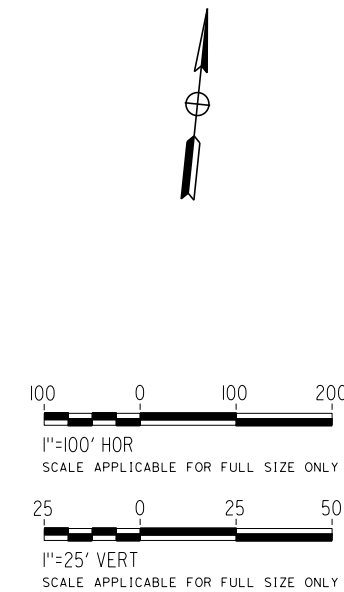
PROFILE
"20942SE"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

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SUBMITTAL**

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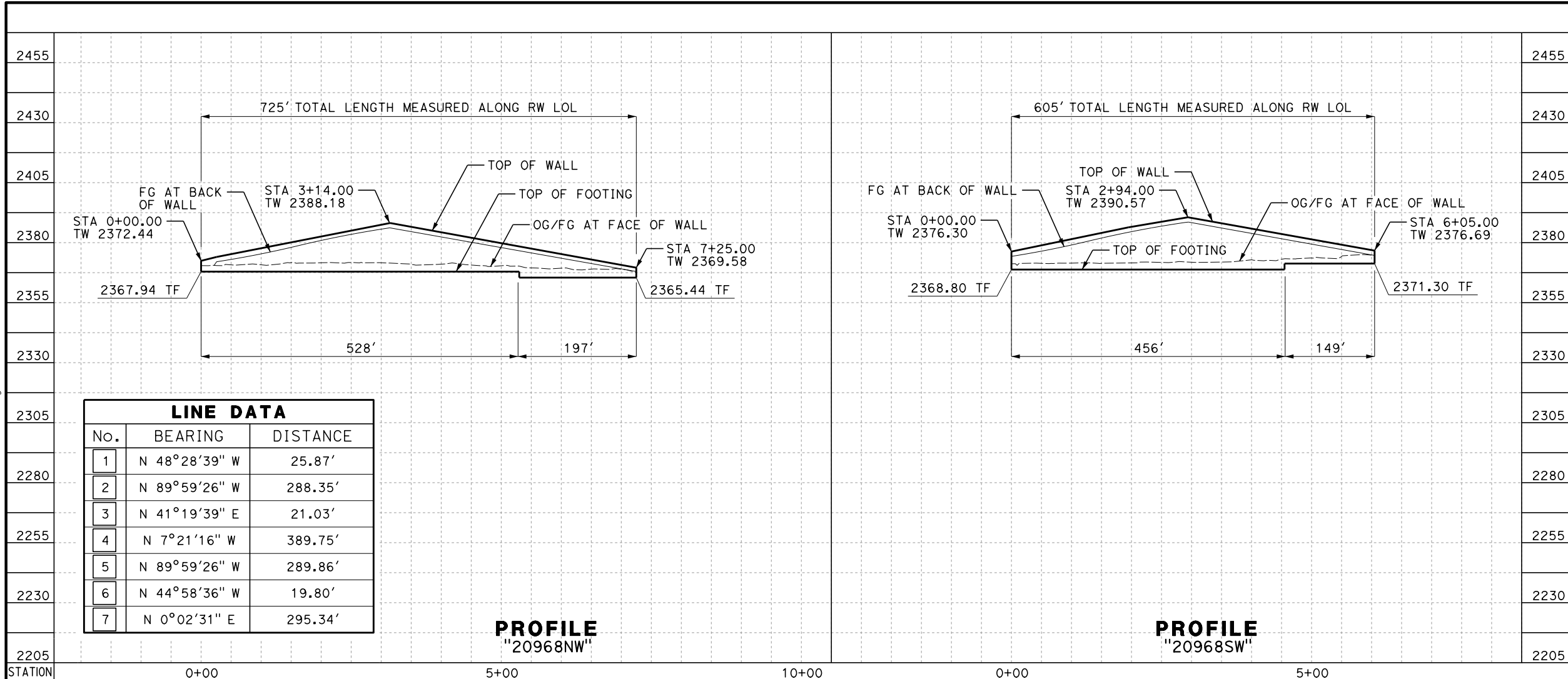
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5
RETAINING WALL
MILLING STREET
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
ST-G1058
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1059.dgn

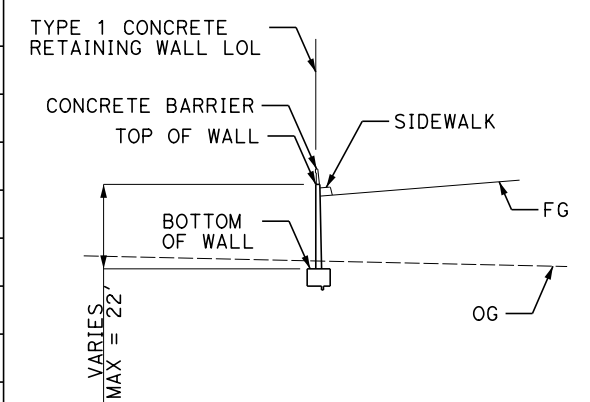
OIC:ARivera 11/3/2017 4:11:49 PM



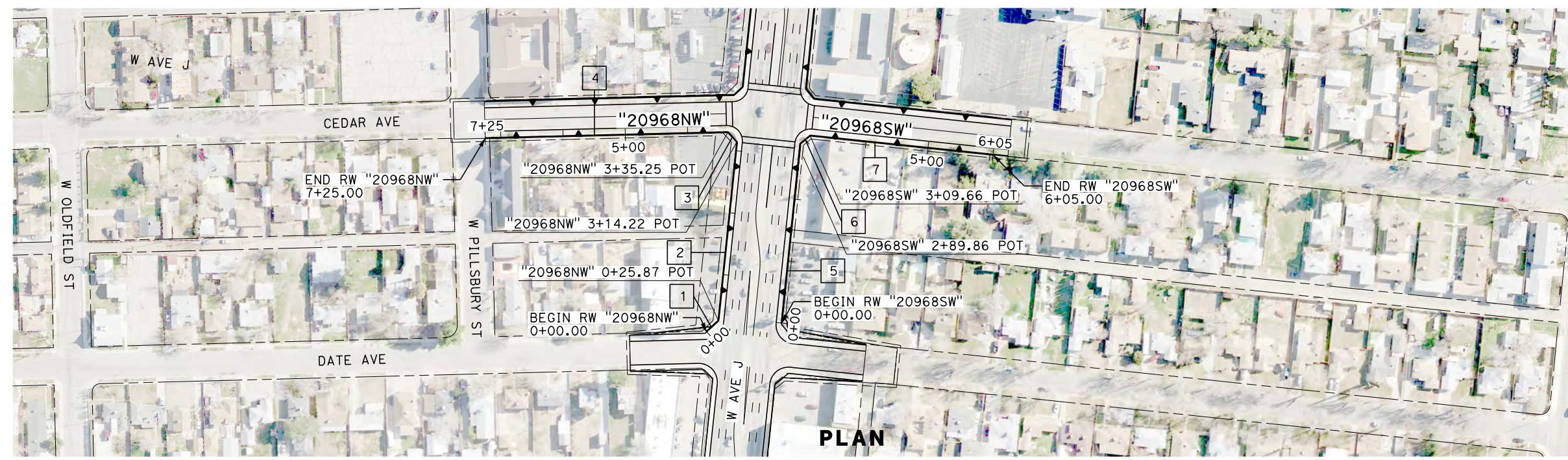
LINE DATA		
No.	BEARING	DISTANCE
1	N 48°28'39" W	25.87'
2	N 89°59'26" W	288.35'
3	N 41°19'39" E	21.03'
4	N 7°21'16" W	389.75'
5	N 89°59'26" W	289.86'
6	N 44°58'36" W	19.80'
7	N 0°02'31" E	295.34'

PROFILE
"20968NW"

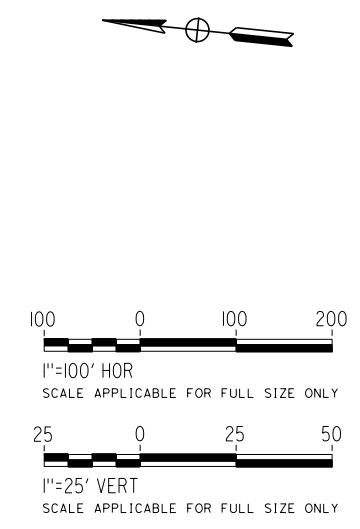
PROFILE
"20968SW"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



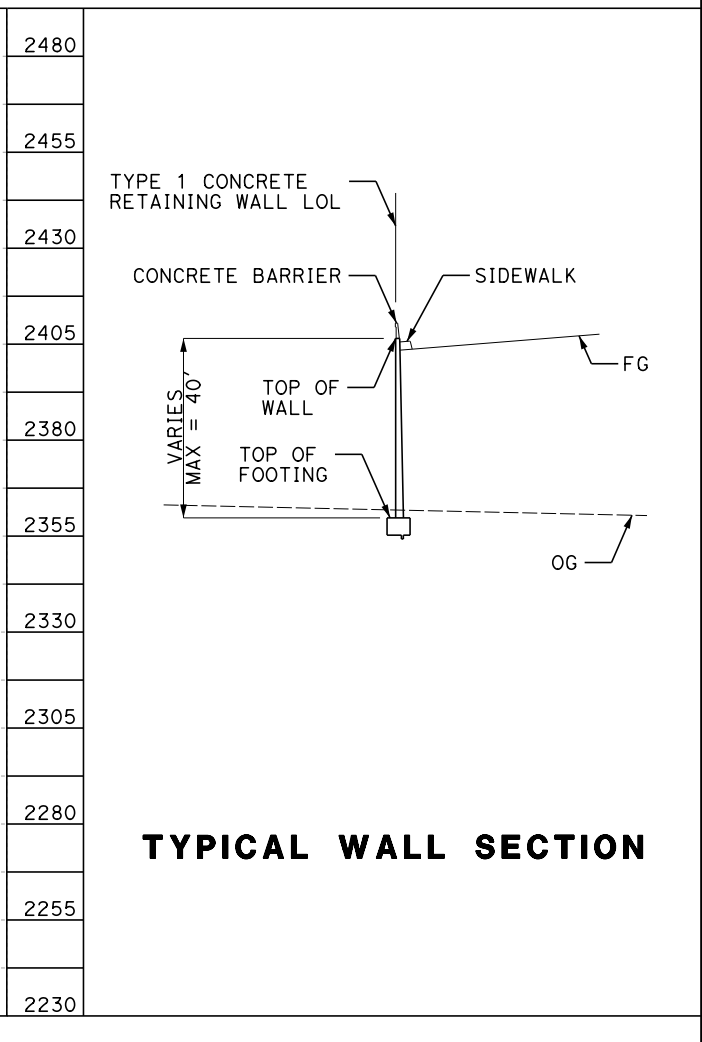
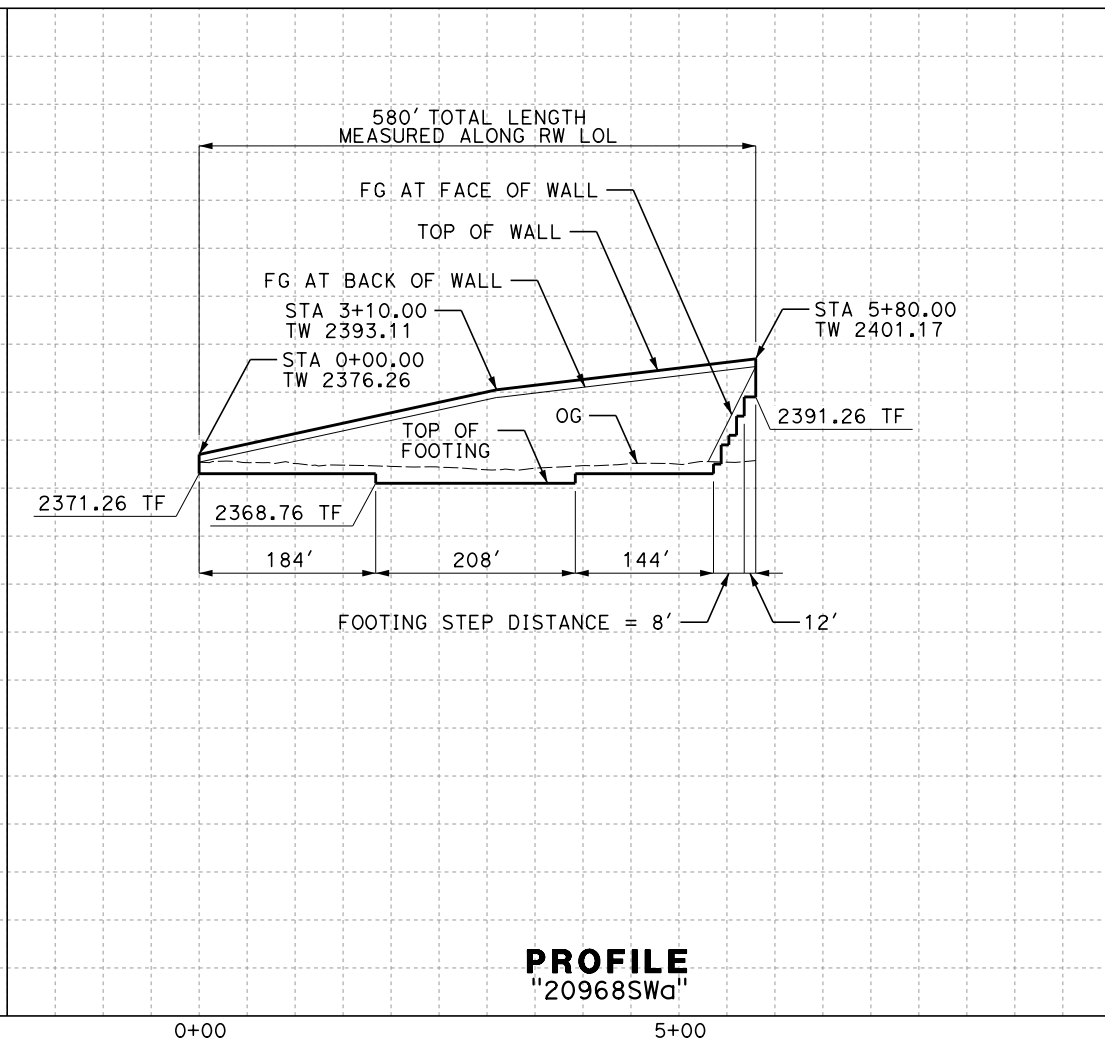
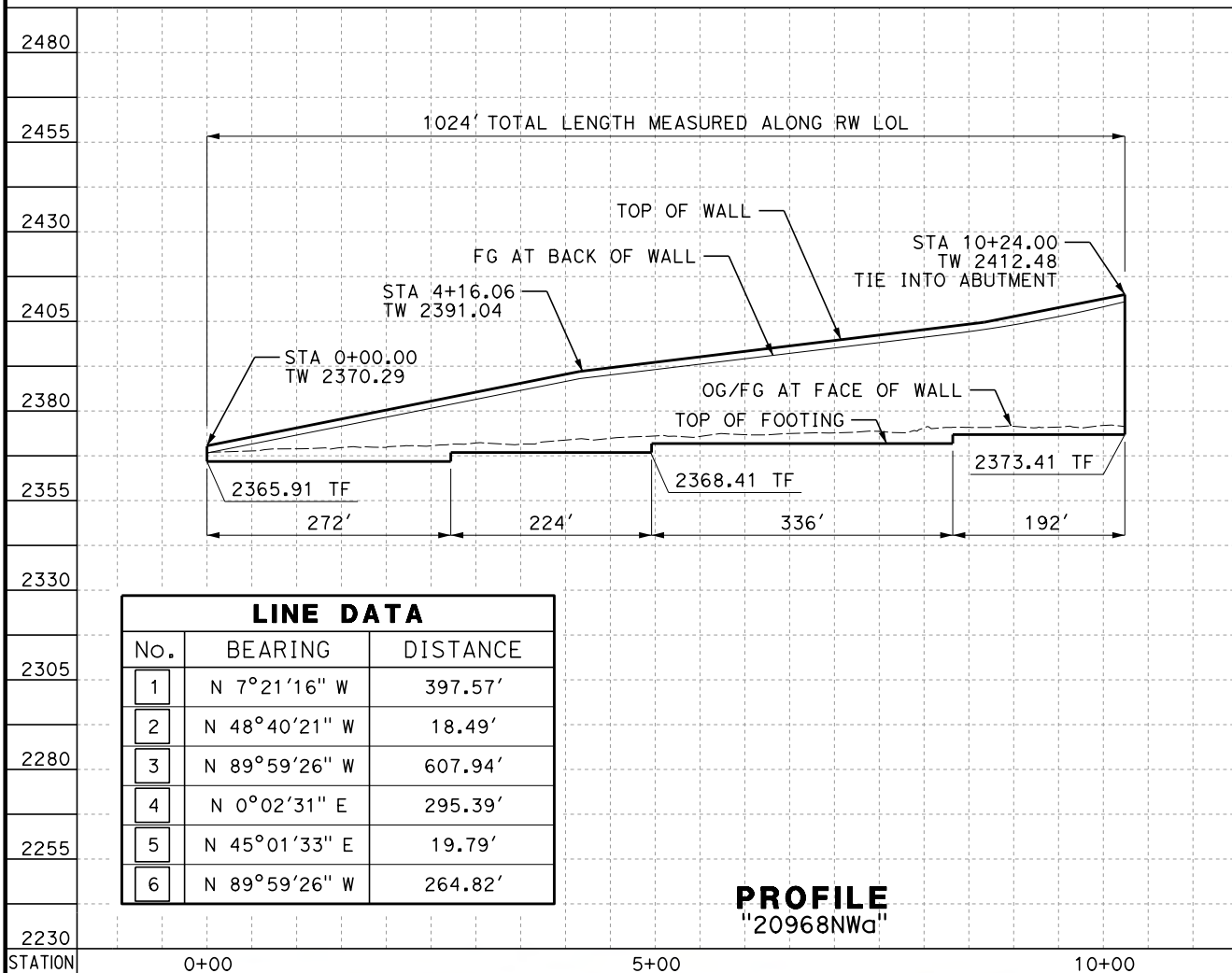
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5
RETAINING WALL
AVENUE J
PLAN AND PROFILE

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

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\ST\G\BP-ST-G1060.dgn

OIC:ARivera 11/23/2017 4:11:51 PM

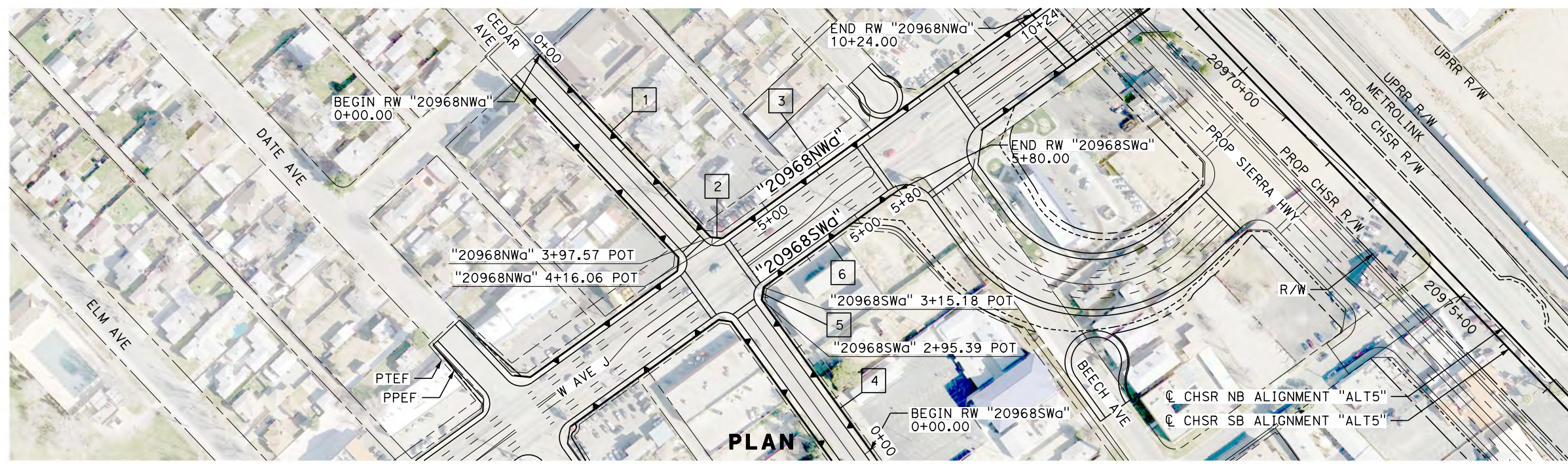


LINE DATA		
No.	BEARING	DISTANCE
1	N 7°21'16" W	397.57'
2	N 48°40'21" W	18.49'
3	N 89°59'26" W	607.94'
4	N 0°02'31" E	295.39'
5	N 45°01'33" E	19.79'
6	N 89°59'26" W	264.82'

PROFILE
"20968NWa"

PROFILE
"20968SWa"

TYPICAL WALL SECTION



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

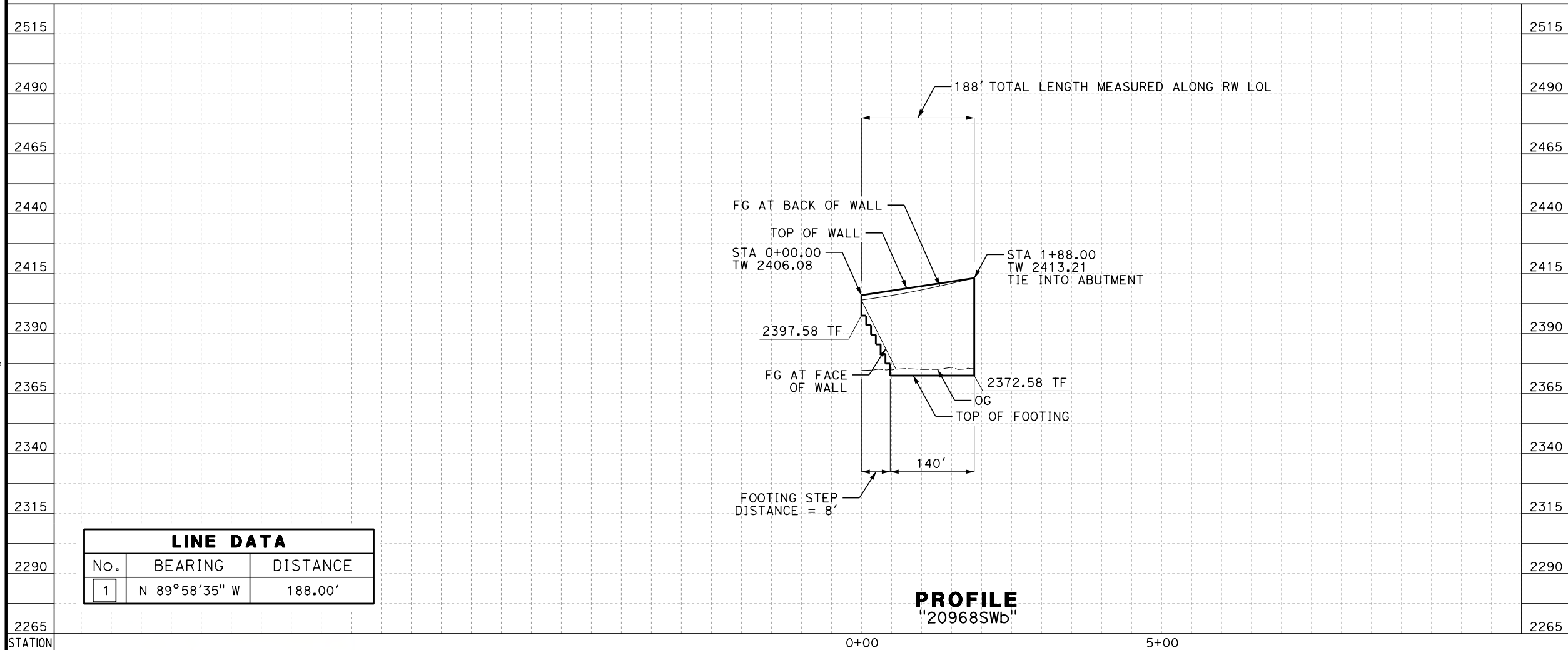


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 5
RETAINING WALL
AVENUE J
PLAN AND PROFILE

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

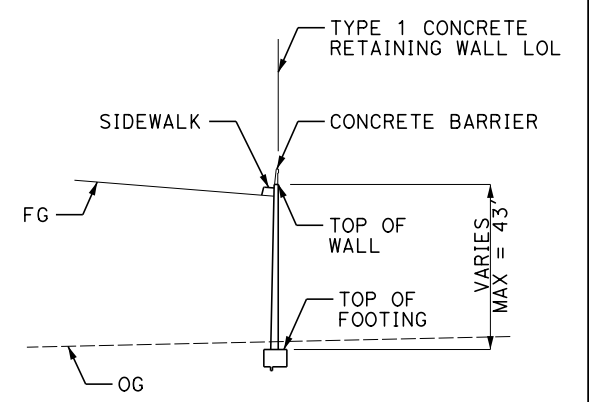
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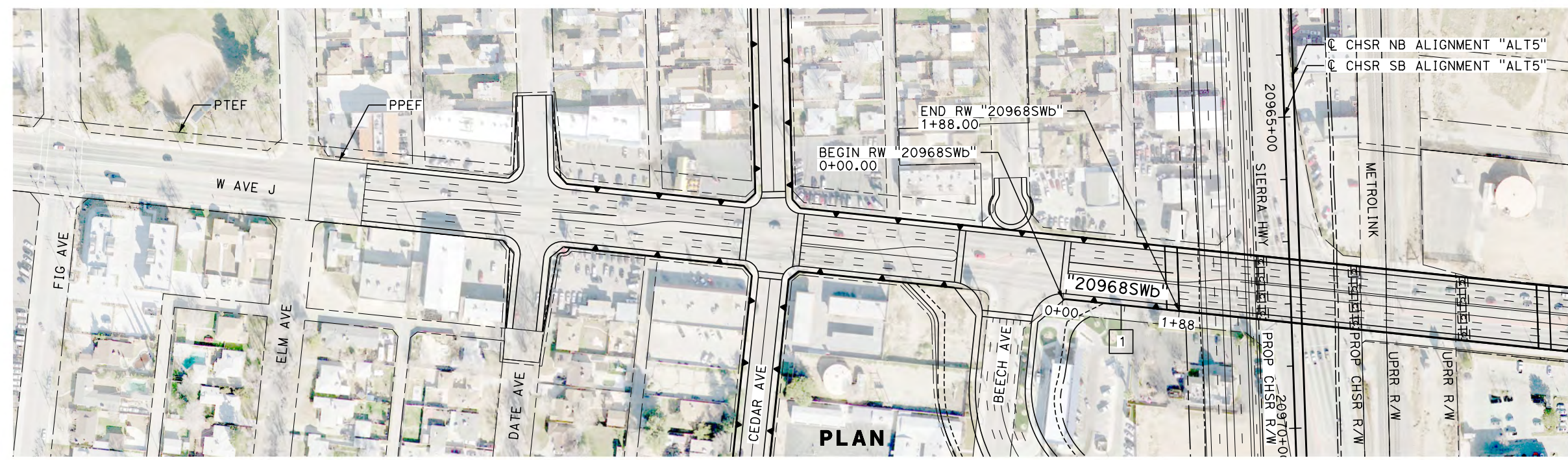


LINE DATA		
No.	BEARING	DISTANCE
1	N 89°58'35" W	188.00'

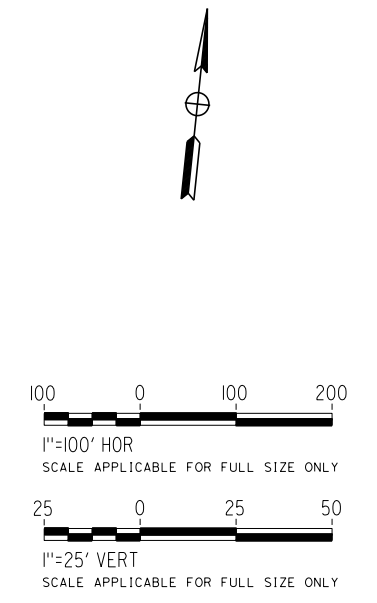
PROFILE
"20968SWb"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD
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SUBMITTAL**

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CONSTRUCTION**

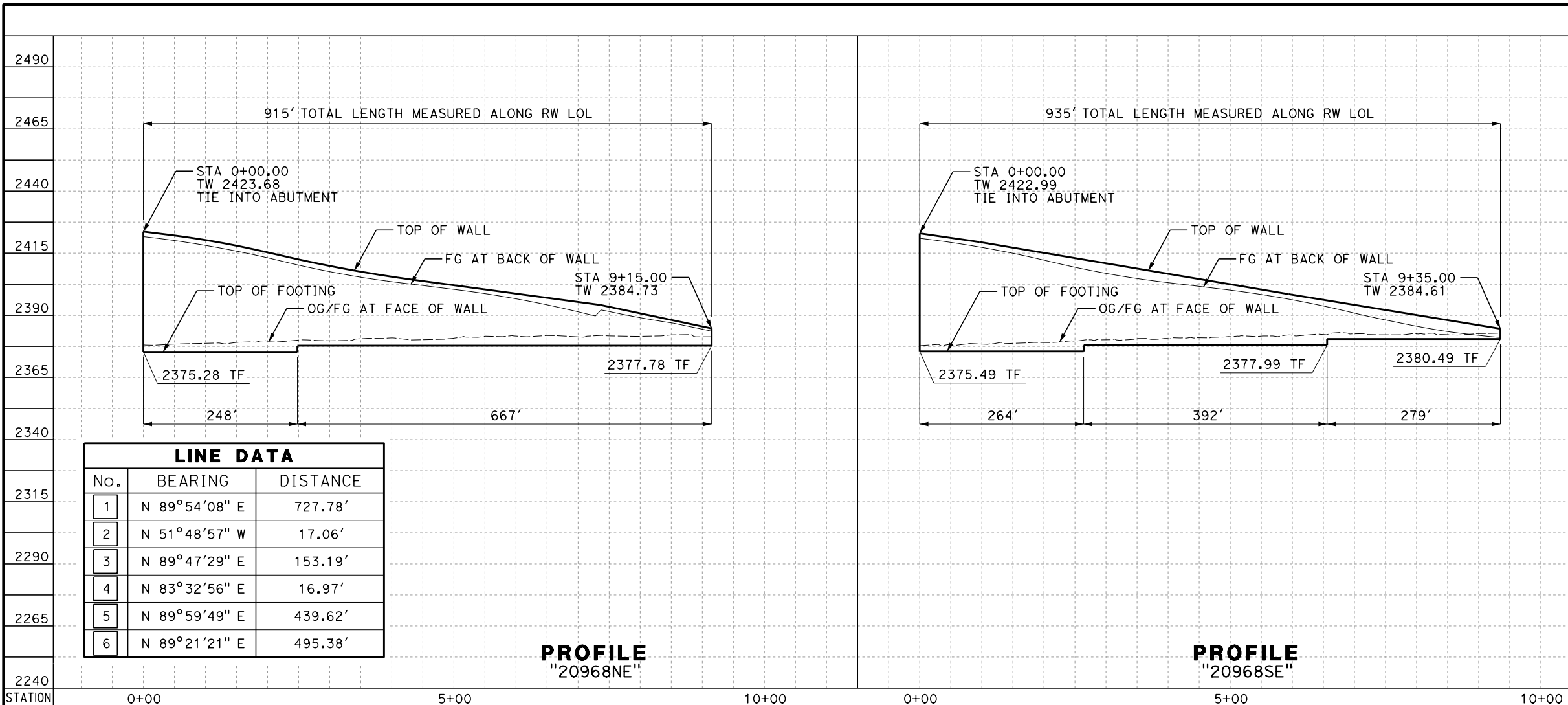


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 5
RETAINING WALL
AVENUE J
PLAN AND PROFILE

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

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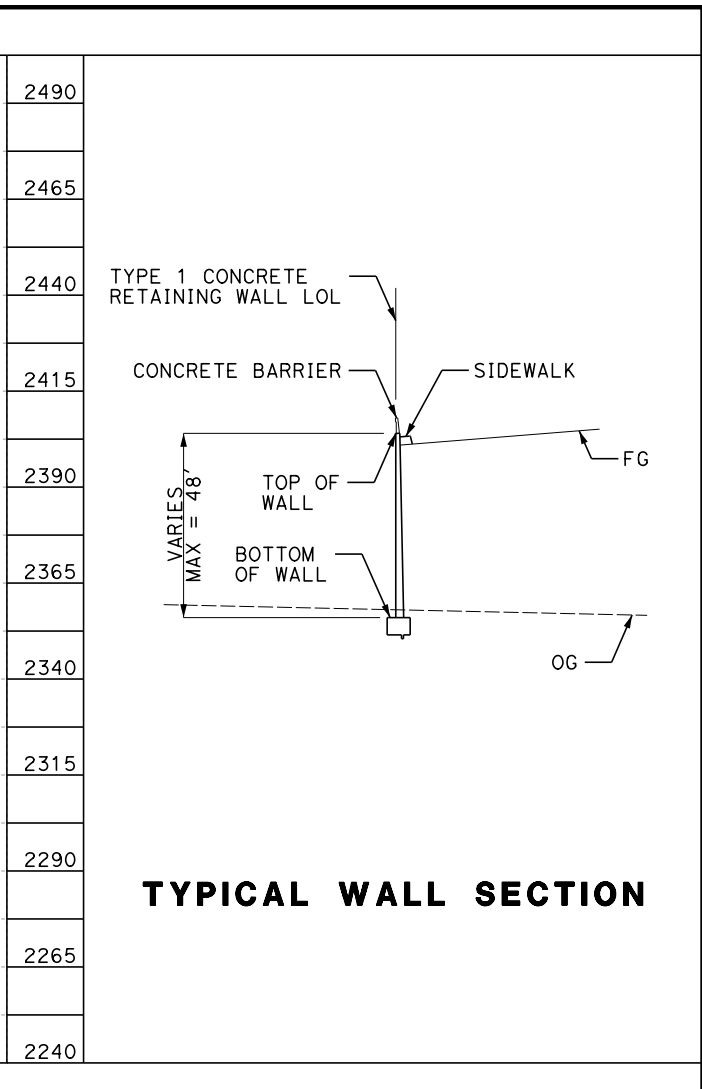
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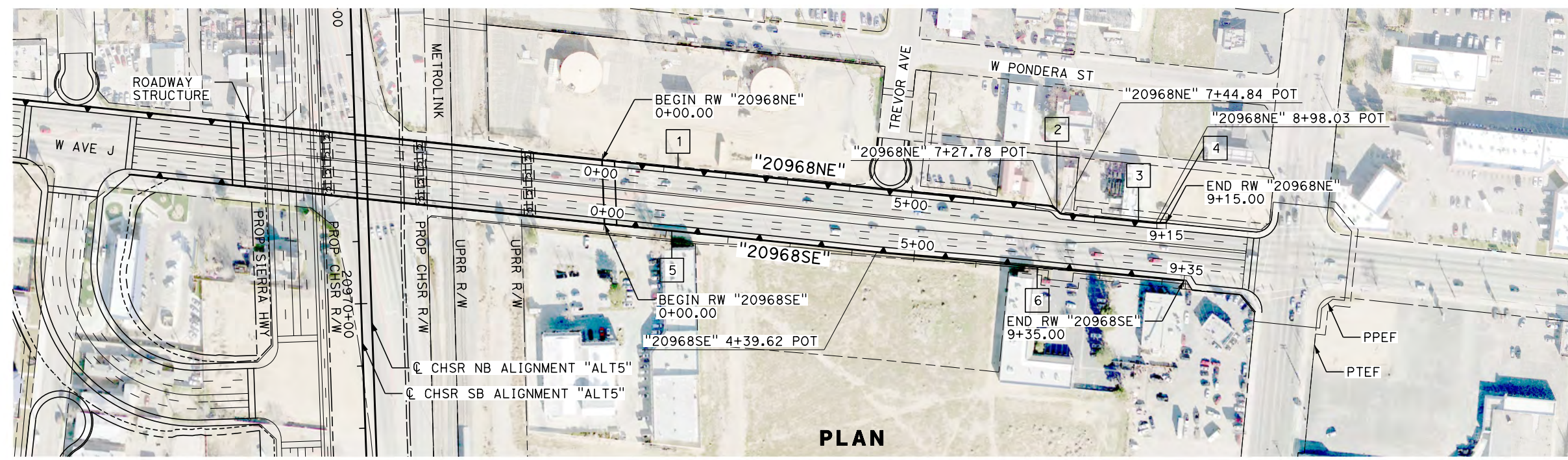
LINE DATA		
No.	BEARING	DISTANCE
1	N 89°54'08" E	727.78'
2	N 51°48'57" W	17.06'
3	N 89°47'29" E	153.19'
4	N 83°32'56" E	16.97'
5	N 89°59'49" E	439.62'
6	N 89°21'21" E	495.38'

PROFILE
"20968NE"

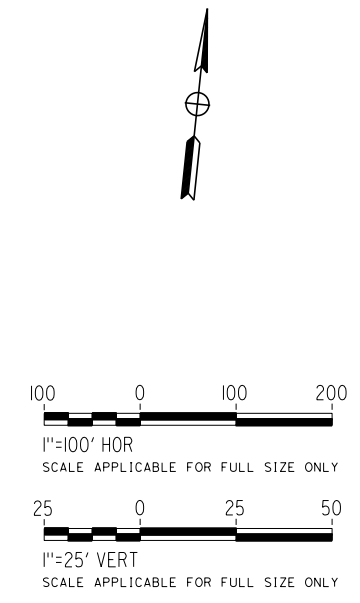
PROFILE
"20968SE"



TYPICAL WALL SECTION



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
DRAWN BY
A. DODGE
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G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

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

ALTERNATIVE 5
RETAINING WALL
AVENUE J
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

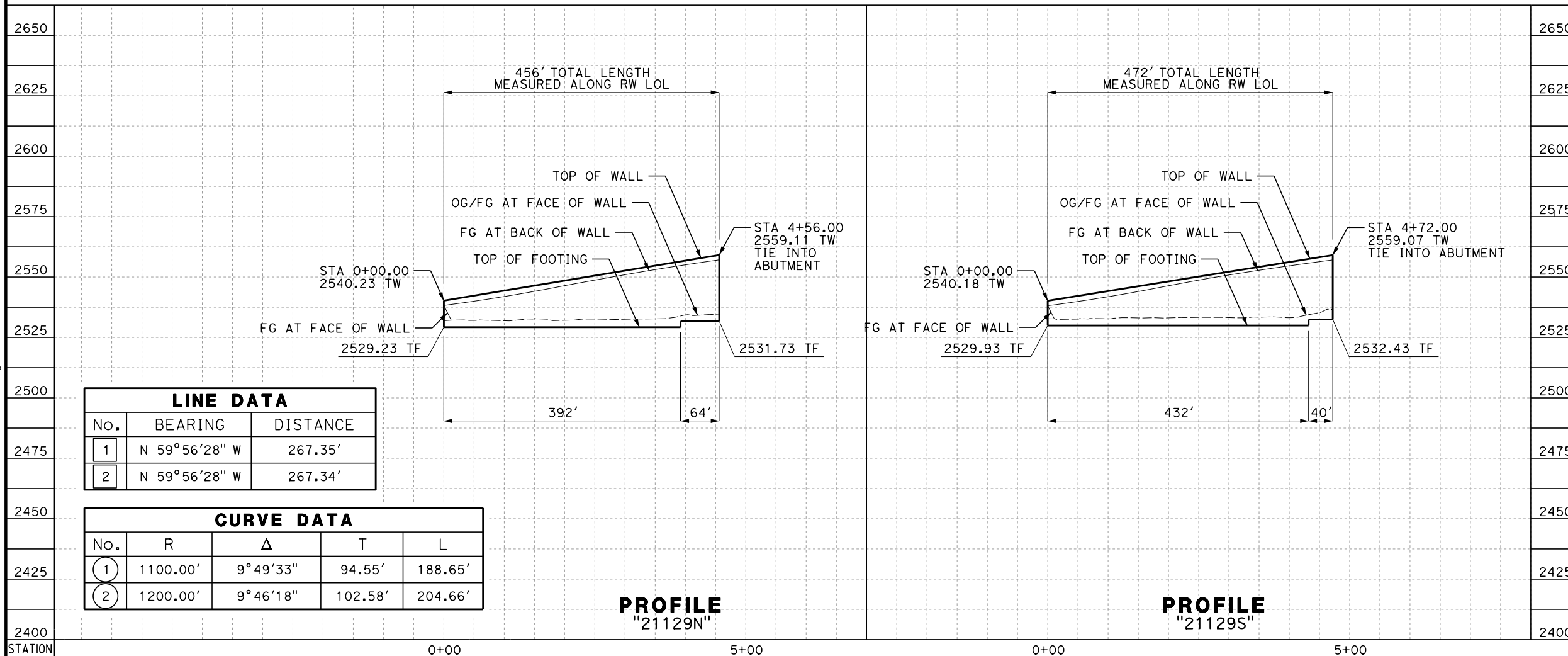
DRAWING NO.
ST-G1063

SCALE
AS SHOWN

SHEET NO.

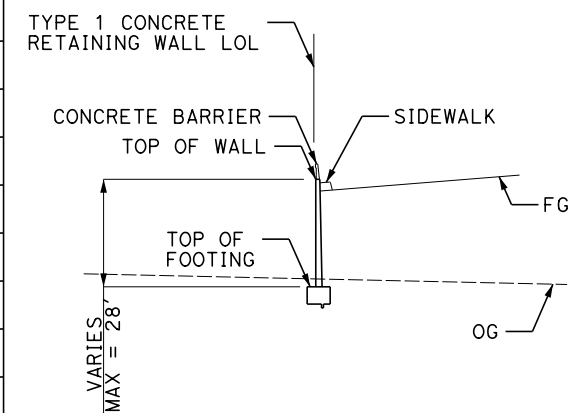
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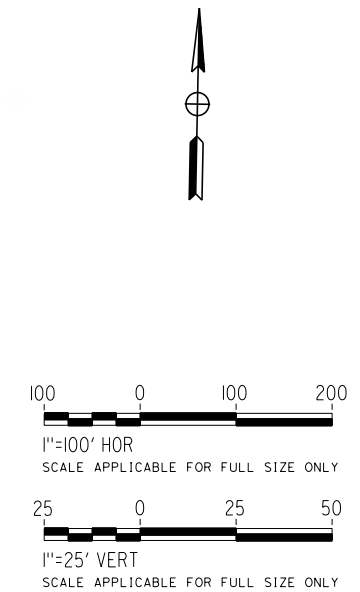
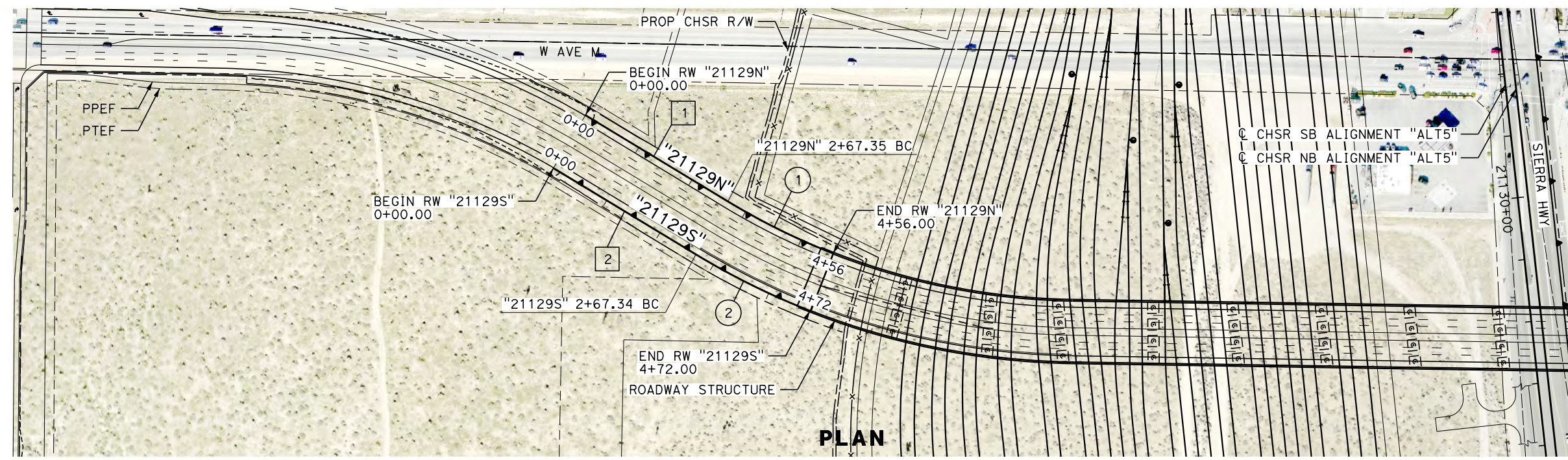


LINE DATA		
No.	BEARING	DISTANCE
1	N 59°56'28" W	267.35'
2	N 59°56'28" W	267.34'

CURVE DATA				
No.	R	Δ	T	L
1	1100.00'	9°49'33"	94.55'	188.65'
2	1200.00'	9°46'18"	102.58'	204.66'



TYPICAL WALL SECTION



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. DODGE
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CHECKED BY
G. CAMPBELL
IN CHARGE
S. SMITH
DATE
10/31/2017

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SUBMITTAL**

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

ALTERNATIVE 5
RETAINING WALL
AVENUE M
PLAN AND PROFILE

CONTRACT NO.
HSR13-44

DRAWING NO.
ST-G1065

SCALE
AS SHOWN

SHEET NO.