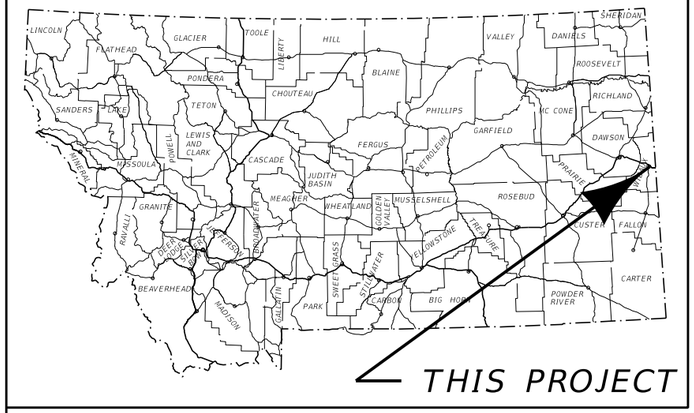
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# MONTANA DEPARTMENT OF TRANSPORTATION

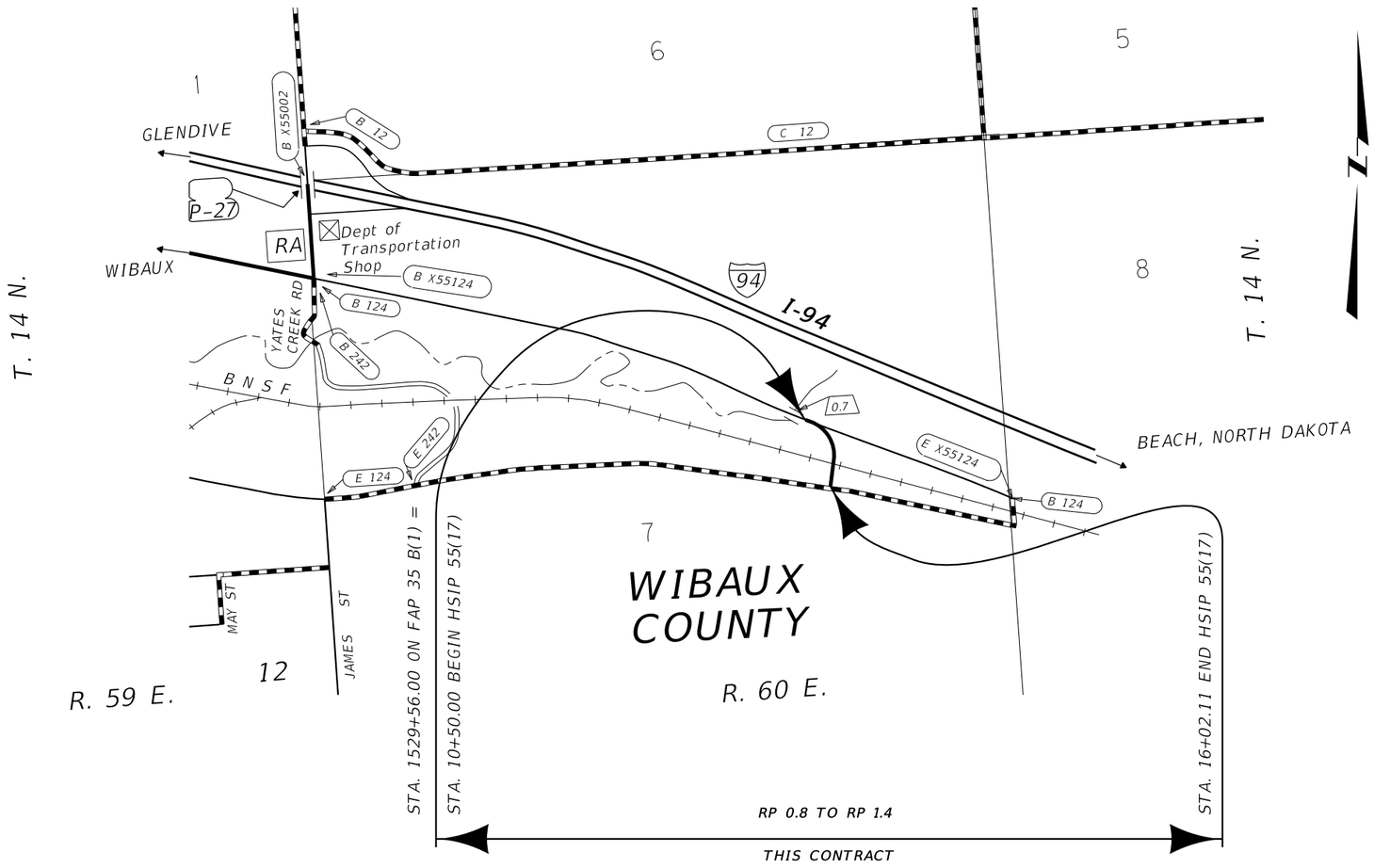
## FEDERAL AID PROJECT HSIP 55(17)
## RAILROAD CROSSING, GRADE, PL. MIX SURF.
## SF 189 WIBAUX RR XING RELOCATE
## WIBAUX COUNTY

**LENGTH 0.1 MILES**

| PROJECT DESIGN DATA | | |
|---|---|---|
| PRESENT 2019 | A.D.T. = | 160 |
| LETTING 2022 | A.D.T. = | 160 |
| DESIGN 2042 | A.D.T. = | 200 |
| | D.H.V. = | 20 |
| | TRUCKS = | 38.1% |
| | V. = | 45 MPH |
| | 18 KIP ESAL'S = | 26 |
| | GROWTH RATE = | 1.0% |

LETTING DATE - _____

SURFACING SOURCES -
CONTRACTOR FURNISHED




| RELATED PROJECTS |
|---|
| STPBIP-STPIP 27-3(23)78 |
| HSIP-STPP 27-3(25)68 |
| STPP 27-3(27)55 |

| ASSOCIATED PROJECT AGREEMENT NUMBERS | |
|---|---|
| R / W | HSIP 55(18) |
| I.C. | |
| P. E. | HSIP 55(16) |

MONTANA
DEPARTMENT OF TRANSPORTATION

MALCOLM "MACK" LONG
DIRECTOR OF TRANSPORTATION

APPROVED BY:

HIGHWAYS ENGINEER

DocuSigned by:
Damian Krings
1C71361CE866454...

9/14/2022
DATE

MONTANA
DAMIAN KRINGS
12113PE
LICENSED PROFESSIONAL ENGINEER

| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | MONTANA Department of Transportation | C:\DGN\9677000rdtl001.dgn | DESIGNED BY | T. DUTTON | 4/29/2022 | ROAD PLANS |
| 2 | | 7/20/2022 | REVIEWED BY | | | |
| | | 10:16:25 AM CPS - U3619 | CHECKED BY | JERRY SABOL | 8/5/2021 | UPN 9677000 |

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# NOTES

## BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

| | |
|---|---|
| COMP. AGGREGATE WEIGHT | = 3700 LBS. PER CUBIC YARD |
| COMP. WEIGHT OF PL. MIX BIT. SURF. | = 3855 LBS. PER CUBIC YARD |
| ASPHALT CEMENT - GRADE S - 3/8" AGG. | = 5.6% OF PL.MIX BIT.SURF. |
| ASPHALT CEMENT - GRADE S - 1/2" AGG. | = 5.2% OF PL.MIX BIT.SURF. |
| ASPHALT CEMENT - GRADE S - 3/4" AGG. | = 4.8% OF PL.MIX BIT.SURF. |
| HYDRATED LIME | = 1.4% OF PL.MIX BIT.SURF. |
| ASPHALT CEMENT | = 3.0% OF RECYCLED PL. MIX (50% RAP) |
| BITUMINOUS MATERIAL | = 8.5 LBS. PER GAL. |
| EMULSIFIED ASPHALT - TACK (ALL OTHER SURFACES) | = 0.05 GAL. PER SQ.YARD (UNDILUTED) |
| EMULSIFIED ASPHALT - TACK (CONCRETE SURFACES) | = 0.10 GAL. PER SQ.YARD (UNDILUTED) |
| SEAL | = 0.42 GAL. PER SQ.YARD |
| COVER | = 25 LBS. PER SQ.YARD |

## APPROACHES

CONSTRUCT APPROACHES TO A 24' FINISHED TOP ON A 34.2' SUBGRADE UNLESS NOTED OTHERWISE IN THE PLANS.

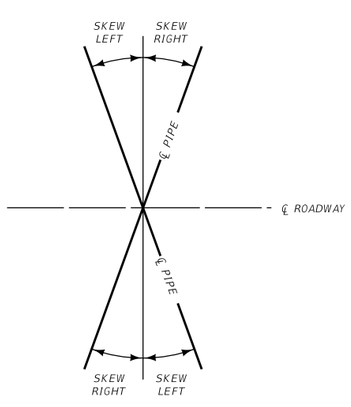
PROVIDE THE FOLLOWING SURFACING:
0.75' CRUSHED TOP SURFACING

NOTE: FOR APPROACH AT 12+25, PROVIDE 0.20' OF PLANT MIX FOR THE FIRST 12' FROM EDGE OF MAINLINE.

## UTILITIES

CALL THE UTILITIES UNDERGROUND LOCATION CENTER (811) OR OTHER NOTIFICATION SYSTEM FOR THE MARKING AND LOCATION OF ALL LINES AND SERVICES BEFORE EXCAVATING. ALL CLEARANCES OR DEPTHS PROVIDED FOR UTILITIES ARE FROM EXISTING GROUND LINE.

## SKEW DIAGRAM




# LINEAR AND LEVEL DATA

| | | |
|---|---|---|
| LENGTH OF ROADWAY | 2 LANE RURAL | 541.93 ft |
| LENGTH OF RAILROAD CROSSING | 2 LANE RURAL | 10.18 ft |
| TOTAL LENGTH OF HSIP 55(17) | 2 LANE RURAL | 552.11 ft |

## BEARING SOURCE

GRID -- MONTANA COORDINATE SYSTEM NAD 83- 2011

## LEVEL DATUM SOURCE

ELEVATIONS DERIVED FROM DIFFERENTIAL LEVELS HOLDING NGS PUBLISHED ELEVATION AT BENCHMARK Z552

**CENTERLINE ALIGNMENT COORDINATE TABLE**

| STATION | DESCRIPTION | N OR Y COORDINATE | E OR X COORDINATE | REMARKS |
|---|---|---|---|---|
| 10+00.00 | POT | 1,042,746.617 | 3,299,068.267 | |
| 10+50.00 | POB | 1,042,729.003 | 3,299,115.062 | BEGIN PROJECT |
| 10+76.05 | PC | 1,042,719.825 | 3,299,139.445 | |
| 12+38.00 | PI | 1,042,662.776 | 3,299,291.011 | |
| 13+48.31 | PT | 1,042,502.659 | 3,299,266.729 | |
| 16+02.11 | POT | 1,042,239.871 | 3,299,226.878 | END PROJECT |
| 16+14.11 | POE | 1,042,239.871 | 3,299,226.878 | |

GPK NAME: JOB677.GPK CHAIN NAME: MAINLINE PROFILE NAME: MAINLINE

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# CONTROL DIAGRAM

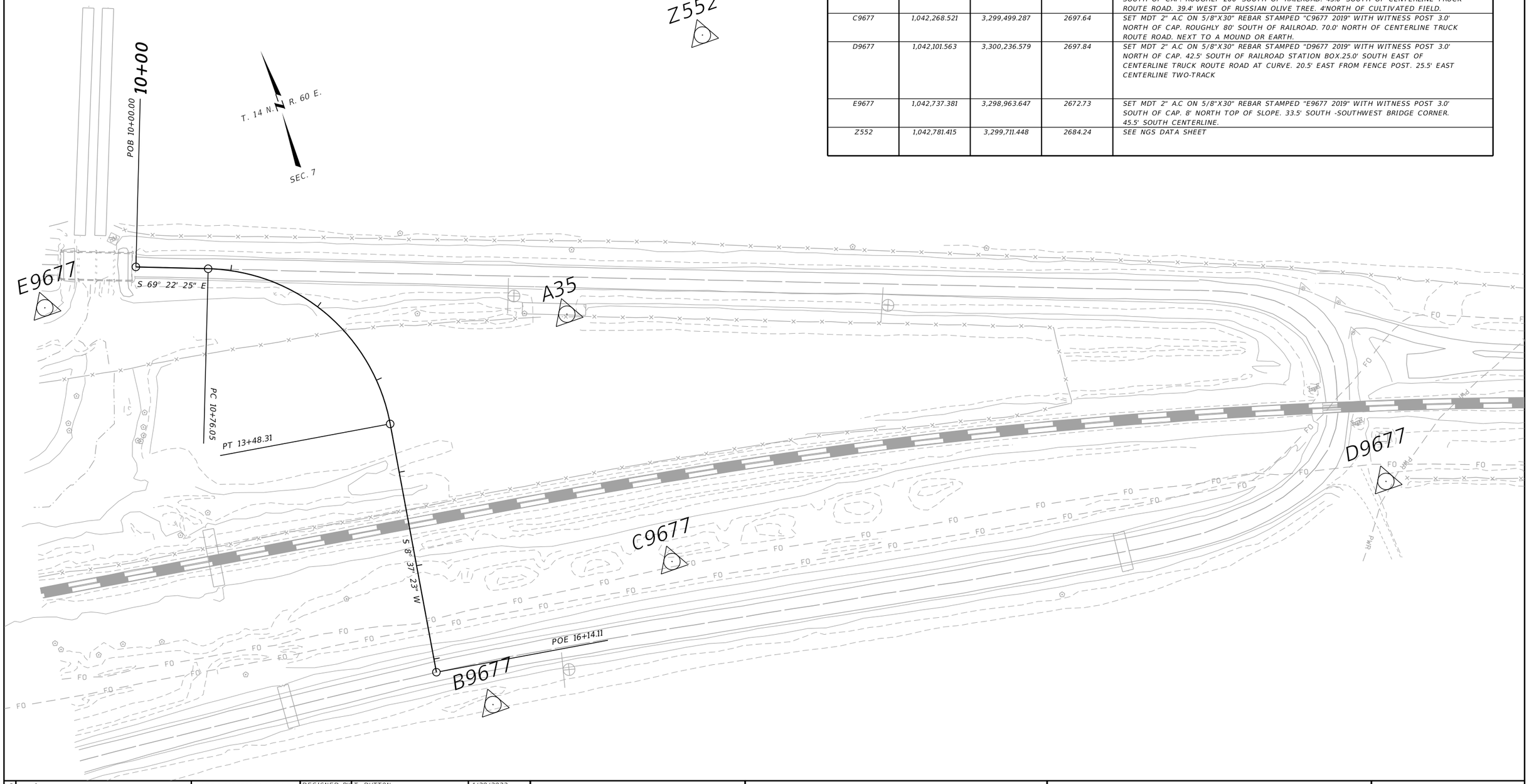
NO SCALE

NOTE:
THIS PROJECT IS ON THE MONTANA COORDINATE SYSTEM NAD83-2011 .
NORTHING AND EASTING COORDINATES ARE EXPRESSED IN UNITS OF INTERNATIONAL FEET AND ELEVATIONS ARE IN UNITS OF U.S. SURVEY FEET.

DIMENSIONS SHOWN ON THE PLANS ARE GRID. ALL SURVEY AND STAKING REQUIRE THE USE OF A COMBINATION SCALE FACTOR (CSF) TO CONVERT GRID DIMENSIONS TO GROUND DIMENSIONS (GRID DISTANCE % CSF = GROUND DISTANCE).
THE CSF FOR THIS PROJECT IS 0.99926681.

CONTROL ABSTRACT

| POINT NAME/NUMBER | N OR Y COORDINATE | E OR X COORDINATE | POINT ELEVATION | LOCATION AND DESCRIPTION |
|---|---|---|---|---|
| A35 | 1,042,550.776 | 3,299,480.313 | 2685.42 | FOUND DOT 2" A.C STAMPED "A35 2002" WITH WITNESS POST 3' SOUTH. 39' SOUTH OF CENTERLINE TRUCK ROUTE ROAD. 10.5' EAST OF APPROACH AND 6' NORTH FENCE CORNER. |
| B9677 | 1,042,188.107 | 3,299,272.000 | 2699.07 | SET MDT 2" A.C ON 5/8"X30" REBAR STAMPED "B9677 2019" WITH WITNESS POST 2.5' SOUTH OF CAP. ROUGHLY 200' SOUTH OF RAILROAD. 45.0' SOUTH OF CENTERLINE TRUCK ROUTE ROAD. 39.4' WEST OF RUSSIAN OLIVE TREE. 4'NORTH OF CULTIVATED FIELD. |
| C9677 | 1,042,268.521 | 3,299,499.287 | 2697.64 | SET MDT 2" A.C ON 5/8"X30" REBAR STAMPED "C9677 2019" WITH WITNESS POST 3.0' NORTH OF CAP. ROUGHLY 80' SOUTH OF RAILROAD. 70.0' NORTH OF CENTERLINE TRUCK ROUTE ROAD. NEXT TO A MOUND OR EARTH. |
| D9677 | 1,042,101.563 | 3,300,236.579 | 2697.84 | SET MDT 2" A.C ON 5/8"X30" REBAR STAMPED "D9677 2019" WITH WITNESS POST 3.0' NORTH OF CAP. 42.5' SOUTH OF RAILROAD STATION BOX.25.0' SOUTH EAST OF CENTERLINE TRUCK ROUTE ROAD AT CURVE. 20.5' EAST FROM FENCE POST. 25.5' EAST CENTERLINE TWO-TRACK |
| E9677 | 1,042,737.381 | 3,298,963.647 | 2672.73 | SET MDT 2" A.C ON 5/8"X30" REBAR STAMPED "E9677 2019" WITH WITNESS POST 3.0' SOUTH OF CAP. 8' NORTH TOP OF SLOPE. 33.5' SOUTH -SOUTHWEST BRIDGE CORNER. 45.5' SOUTH CENTERLINE. |
| Z552 | 1,042,781.415 | 3,299,711.448 | 2684.24 | SEE NGS DATA SHEET |




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3 | MONTANA Department of Transportation | C:\DGN\9677000rdtrv001.dgn | DESIGNED BY | T. DUTTON | 4/29/2022 | ROAD PLANS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| 2 | | 7/20/2022 | REVIEWED BY | | | | | |
| | | 10:16:37 AM CPS - U3619 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | 03 |

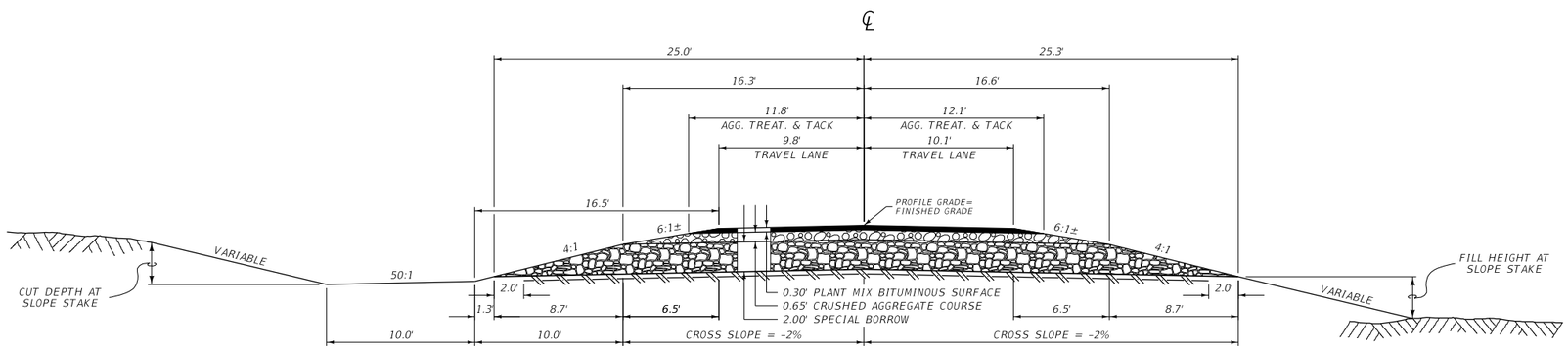
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# TYPICAL SECTION NO. 1

**MAINLINE**

10+50.00 ONLY
10+50.00 TO 11+18.00 TRANS. TO TYP. 2




SEPARATION GEOTEXTILE

| QUANTITIES | | | | | | | |
|---|---|---|---|---|---|---|---|
| UNIT | AGGREGATE | | | UNIT | BIT. MAT. | AGG. TREAT. | GEOTEX-TILE |
| | COMMERCIAL PLANT MIX 3/8" | CR. AGG. COURSE | SPECIAL BORROW | | EMULSIFIED ASPHALT TACK* | | |
| AREA square feet | 6.57 | 18.46 | 83.20 | square yards PER STATION | 532 | 266 | |
| cubic yards PER STATION | 24.3 | 68.4 | 308.1 | tons PER STATION | | | |
| tons PER STATION | 46.8 | | | | 27 | | |
| square yards PER STATION | | | | | | | 514 |

*BASED ON 2 APPLICATIONS

| * FILL SLOPES | |
|---|---|
| 0' - 10' | 4:1 |
| OVER 10' | 3:1 |

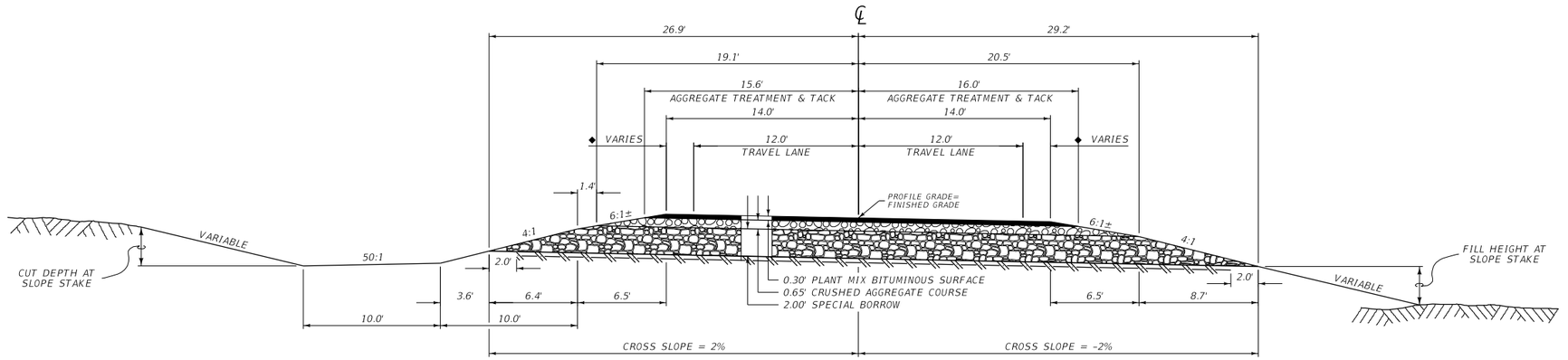
| * BACK SLOPES | |
|---|---|
| 0' - 5' | 4:1 |
| OVER 5' | 3:1 |

* SEE CROSS SECTIONS FOR DEVIATIONS

# TYPICAL SECTION NO. 2

**MAINLINE**

11+18.00 TO 13+38.11
13+38.11 TO 13+79.92 TRANS. TO TYP. 3




SEPARATION GEOTEXTILE

| QUANTITIES | | | | | | | |
|---|---|---|---|---|---|---|---|
| UNIT | AGGREGATE | | | UNIT | BIT. MAT. | AGG. TREAT. | GEOTEX-TILE |
| | COMMERCIAL PLANT MIX 3/8" | CR. AGG. COURSE | SPECIAL BORROW | | EMULSIFIED ASPHALT TACK* | | |
| AREA square feet | 8.94 | 23.14 | 96.03 | square yards PER STATION | 702 | 351 | |
| cubic yards PER STATION | 33.1 | 85.7 | 355.7 | tons PER STATION | | | |
| tons PER STATION | 63.8 | | | | 35 | | |
| square yards PER STATION | | | | | | | 579 |

*BASED ON 2 APPLICATIONS
◆ 2' SHOULDER WIDTH USED FOR QUANTITY CALCULATIONS

NOTE:
◆ SHOULDER WIDTH VARIES, SEE DETAILS FOR WIDTHS.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | MONTANA Department of Transportation | C:\DGN\9677000rdtyp001.dgn | DESIGNED BY | T. DUTTON | 4/29/2022 | ROAD PLANS | SF 189 WIBAUX RR XING RELOCATE / HSIP 55(17) |
| 2 | | 7/20/2022 | REVIEWED BY | | | | |
| | | 10:16:49 AM CPS - U3619 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 / 04 |

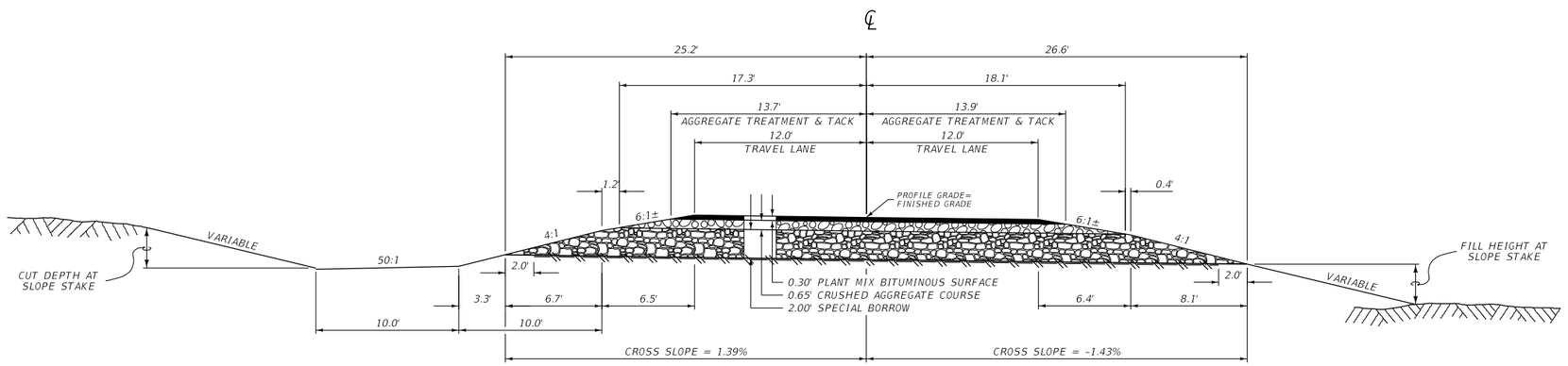
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# TYPICAL SECTION NO. 3

**MAINLINE**

13+79.92 ONLY
13+79.92 TO 13+99.92 TRANS. TO TYP. 4




SEPARATION GEOTEXTILE

| QUANTITIES | | | | | | | |
|---|---|---|---|---|---|---|---|
| UNIT | AGGREGATE | | | UNIT | BIT. MAT. | AGG. TREAT. | GEOTEX-TILE |
| | COMMERCIAL PLANT MIX 3/8" | CR. AGG. COURSE | SPECIAL BORROW | | EMULSIFIED ASPHALT TACK* | | |
| AREA square feet | 7.74 | 20.48 | 87.67 | square yards PER STATION | 614 | 307 | |
| cubic yards PER STATION | 28.7 | 75.9 | 324.7 | tons PER STATION | | | |
| tons PER STATION | 55.3 | | | | 31 | | |
| square yards PER STATION | | | | | | | 531 |

*BASED ON 2 APPLICATIONS

| * FILL SLOPES | |
|---|---|
| 0' - 10' | 4:1 |
| OVER 10' | 3:1 |

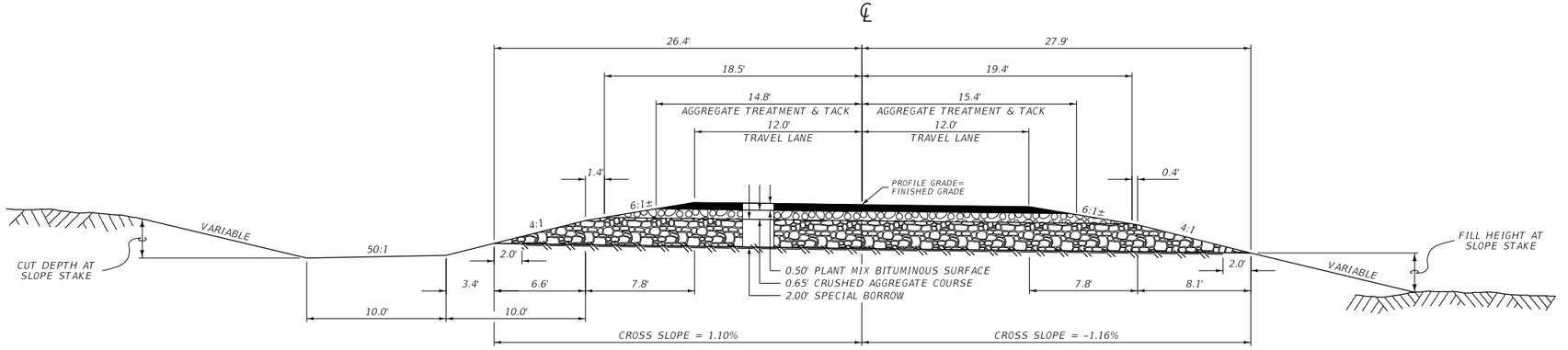
| * BACK SLOPES | |
|---|---|
| 0' - 5' | 4:1 |
| OVER 5' | 3:1 |

* SEE CROSS SECTIONS FOR DEVIATIONS

# TYPICAL SECTION NO. 4

**MAINLINE**

13+99.92 ONLY
13+99.92 TO 14+49.92 TRANS. TO TYP. 5




SEPARATION GEOTEXTILE

| QUANTITIES | | | | | | | |
|---|---|---|---|---|---|---|---|
| UNIT | AGGREGATE | | | UNIT | BIT. MAT. | AGG. TREAT. | GEOTEX-TILE |
| | COMMERCIAL PLANT MIX 3/8" | CR. AGG. COURSE | SPECIAL BORROW | | EMULSIFIED ASPHALT TACK* | | |
| AREA square feet | 13.55 | 22.13 | 92.41 | square yards PER STATION | 1008 | 336 | |
| cubic yards PER STATION | 50.2 | 82.0 | 342.2 | tons PER STATION | | | |
| tons PER STATION | 96.8 | | | | 50 | | |
| square yards PER STATION | | | | | | | 559 |

*BASED ON 3 APPLICATIONS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | MONTANA Department of Transportation | C:\DGN\9677000rdtyp001.dgn | DESIGNED BY | T. DUTTON | 4/29/2022 | ROAD PLANS | SF 189 WIBAUX RR XING RELOCATE / HSIP 55(17) |
| 1 | | 7/20/2022 | REVIEWED BY | | | | |
| | | 10:16:54 AM CPS - U3619 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 / 05 |

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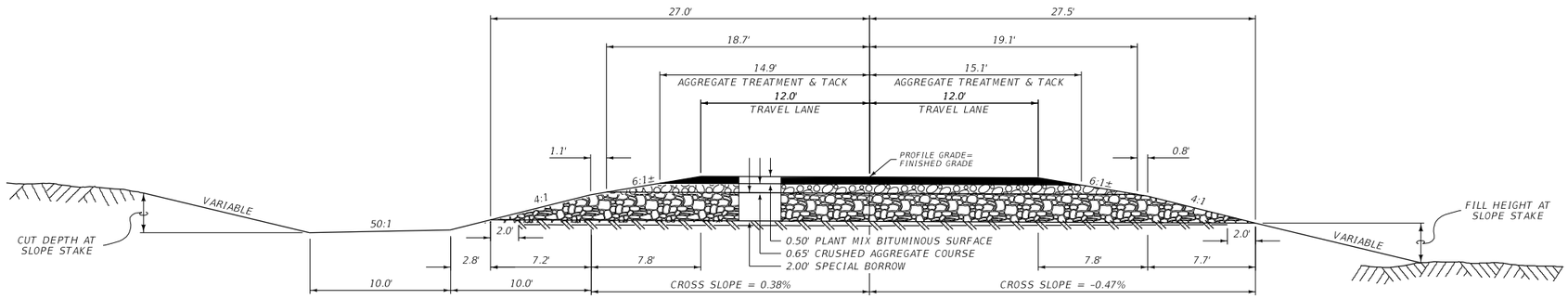
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# TYPICAL SECTION NO. 5

14+49.92 ONLY, GAP FOR RAILROAD THEN TYP. 6

**MAINLINE**

℄




| QUANTITIES | | | | | | | |
|---|---|---|---|---|---|---|---|
| UNIT | AGGREGATE | | | UNIT | BIT. MAT. | AGG. TREAT. | GEOTEX-TILE |
| | COMMERCIAL PLANT MIX 3/8" | CR. AGG. COURSE | SPECIAL BORROW | | EMULSIFIED ASPHALT TACK* | | |
| AREA square feet | 13.50 | 22.04 | 92.78 | square yards PER STATION | 999 | 333 | |
| cubic yards PER STATION | 50.0 | 81.6 | 343.6 | tons PER STATION | | | |
| tons PER STATION | 96.4 | | | gals PER STATION | 50 | | |
| square yards PER STATION | | | | | | | 561 |

*BASED ON 3 APPLICATIONS

SEPARATION GEOTEXTILE

| * FILL SLOPES | |
|---|---|
| 0' - 10' | 4:1 |
| OVER 10' | 3:1 |

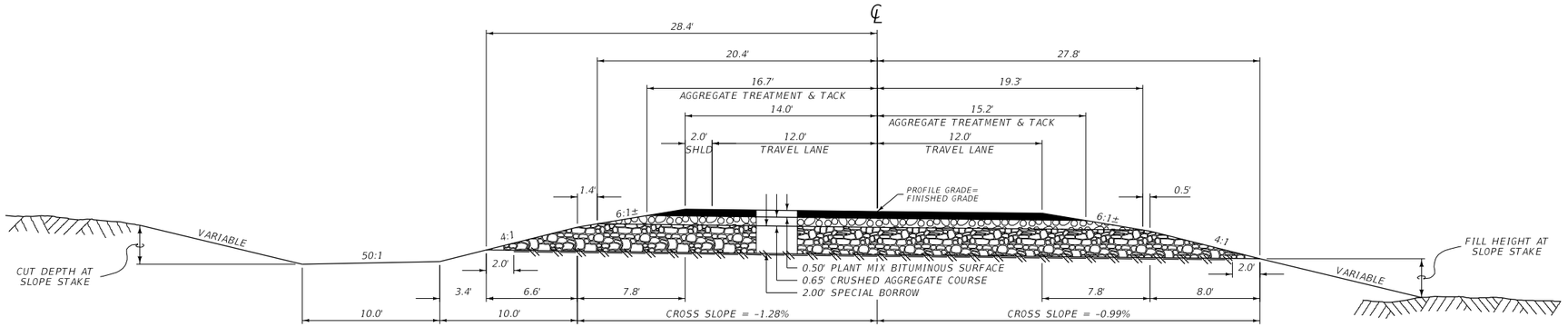
| * BACK SLOPES | |
|---|---|
| 0' - 5' | 4:1 |
| OVER 5' | 3:1 |

* SEE CROSS SECTIONS FOR DEVIATIONS

# TYPICAL SECTION NO. 6

14+60.10 ONLY
14+60.10 TO 15+16.00 TRANS. TO TYP. 7

**MAINLINE**




| QUANTITIES | | | | | | | |
|---|---|---|---|---|---|---|---|
| UNIT | AGGREGATE | | | UNIT | BIT. MAT. | AGG. TREAT. | GEOTEX-TILE |
| | COMMERCIAL PLANT MIX 3/8" | CR. AGG. COURSE | SPECIAL BORROW | | EMULSIFIED ASPHALT TACK* | | |
| AREA square feet | 14.48 | 23.27 | 96.47 | square yards PER STATION | 1062 | 354 | |
| cubic yards PER STATION | 53.6 | 86.2 | 357.3 | tons PER STATION | | | |
| tons PER STATION | 103.3 | | | gals PER STATION | 53 | | |
| square yards PER STATION | | | | | | | 580 |

*BASED ON 3 APPLICATIONS

SEPARATION GEOTEXTILE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | MONTANA Department of Transportation | C:\DGN\9677000rdtyp001.dgn | DESIGNED BY T. DUTTON | 4/29/2022 | ROAD PLANS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| 1 | | 7/20/2022 | REVIEWED BY | | | | |
| | | 10:16:59 AM CPS - U3619 | CHECKED BY | | WIBAUX COUNTY | UPN 9677000 | 06 |

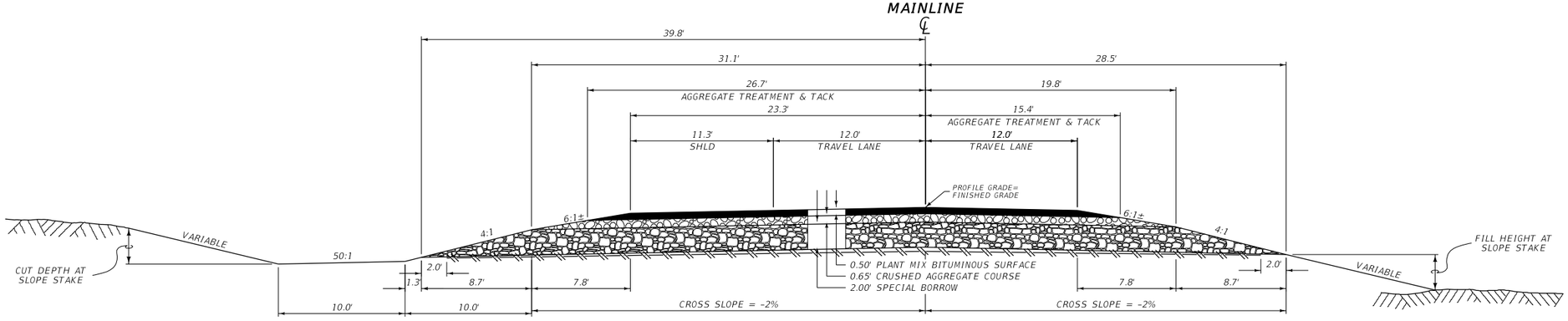
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# TYPICAL SECTION NO. 7

15+16.00 ONLY, THEN TYP. 8

MAINLINE




SEPARATION GEOTEXTILE

| QUANTITIES | | | | | | | |
|---|---|---|---|---|---|---|---|
| UNIT | AGGREGATE | | | UNIT | BIT. MAT | AGG. TREAT. | GEOTEX-TILE |
| | COMMERCIAL PLANT MIX 3/8" | CR. AGG. COURSE | SPECIAL BORROW | | EMULSIFIED ASPHALT TACK* | | |
| AREA square feet | 19.35 | 30.23 | 119.2 | square yards PER STATION | 1404 | 468 | |
| cubic yards PER STATION | 71.7 | 112.0 | 441.5 | tons PER STATION | | | |
| tons PER STATION | 138.2 | | | gals PER STATION | 70 | | |
| square yards PER STATION | | | | | | | 714 |

*BASED ON 3 APPLICATIONS

| * FILL SLOPES | |
|---|---|
| 0' - 10' | 4:1 |
| OVER 10' | 3:1 |

| * BACK SLOPES | |
|---|---|
| 0' - 5' | 4:1 |
| OVER 5' | 3:1 |

* SEE CROSS SECTIONS FOR DEVIATIONS

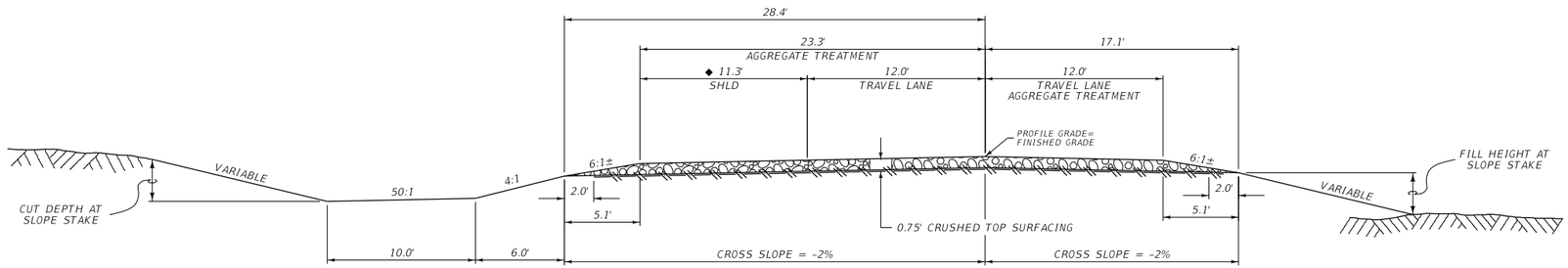
# TYPICAL SECTION NO. 8

MAINLINE

15+16.00 ONLY

15+16.00 TO 16+02.11 TRANS. TO TYP. 9

℄




SEPARATION GEOTEXTILE

| QUANTITIES | | | | |
|---|---|---|---|---|
| UNIT | AGG. CR. TOP SURFACING | UNIT | AGG. TREAT. | GEOTEX-TILE |
| AREA square feet | 30.30 | square yards PER STATION | 392 | |
| cubic yards PER STATION | 112.2 | tons PER STATION | | |
| tons PER STATION | | | | |
| square yards PER STATION | | | | 461 |

NOTE:

SEE DETAILS FOR VARIABLE WIDTHS.

◆ WIDTH VARIES FROM 11.3' TO 21.9'

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | MONTANA Department of Transportation | C:\DGN\9677000rdtyp002.dgn | DESIGNED BY | T. DUTTON | 4/29/2022 | ROAD PLANS | SF 189 WIBAUX RR XING RELOCATE / HSIP 55(17) |
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| | | 10:17:10 AM CPS - U3619 | CHECKED BY | | | WIBAUX COUNTY | |

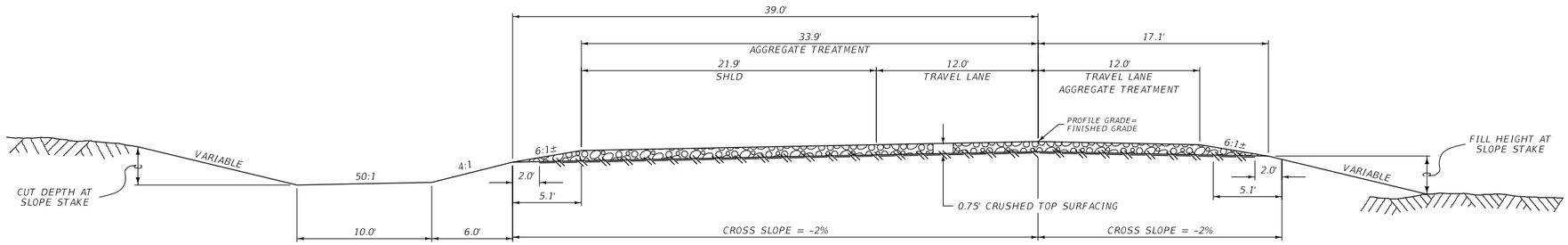
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AWARD COPY

# TYPICAL SECTION NO. 9

**MAINLINE**

16+02.11 ONLY




SEPARATION GEOTEXTILE

| QUANTITIES | | | | |
|---|---|---|---|---|
| UNIT | AGG. CR. TOP SURFACING | UNIT | AGG. TREAT. | GEOTEX-TILE |
| AREA square feet | 38.25 | square yards PER STATION | 510 | |
| cubic yards PER STATION | 141.7 | tons PER STATION | | |
| tons PER STATION | | | | |
| square yards PER STATION | | | | 579 |

| * FILL SLOPES | |
|---|---|
| 0' - 10' | 4:1 |
| OVER 10' | 3:1 |

| * BACK SLOPES | |
|---|---|
| 0' - 5' | 4:1 |
| OVER 5' | 3:1 |

* SEE CROSS SECTIONS FOR DEVIATIONS

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# SUMMARY

## GRADING

| STATION | | cu. yards | | REMARKS |
|---|---|---|---|---|
| | | EXC. | EMB. IN PLACE | |
| FROM | TO | | | |
| 10+50.00 | | | | |
| | | 2,797 | 2,598 | |
| 16+02.11 | | | | |
| | | | | |
| | | | | |
| TOTAL | | # 2,797 | 2,598 | |

# FOR INFORMATION ONLY

## OBLITERATE ROADWAY

| STATION | | stations | REMARKS |
|---|---|---|---|
| | | OBLITERATE ROADWAY | |
| FROM | TO | | |
| SOUTHERN APPROACH TIE-IN | | | |
| 32+66 | | 1 | LT. |
| | | | |
| NORTHERN APPROACH TIE-IN | | | |
| 41+54 | | 1 | RT. |
| | | | |
| | | | |
| | | | |
| TOTAL | | 2 | |

## TOPSOIL & SEEDING

| STATION | | cu. yards | acres | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | TOPSOIL SALVAGING & PLACING | SEED | | | FERTILIZER | | CONDITION SEEDBED | MULCH - COMPOST | |
| FROM | TO | | NO. 1 | NO. 2 | NO.3 | NO. 1 | NO. 2 | | | |
| MAINLINE | | | | | | | | | | |
| 10+50.00 | 16+02.11 | 274 | 1.3 | 0.1 | 0.4 | 1.3 | 0.1 | 1.7 | 0.1 | |
| | | | | | | | | | | |
| COUNTY ROAD | | | | | | | | | | |
| 21+25.00 | 24+05.00 | 203 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.4 | 0.1 | |
| | | | | | | | | | | |
| SOUTHERN APP. TIE-IN | | | | | | | | | | |
| 30+72.73 | 33+94.21 | 83 | 0.1 | | 0.1 | 0.1 | | 0.2 | | |
| | | | | | | | | | | |
| NORTHERN APP. TIE-IN | | | | | | | | | | |
| 40+00.00 | 41+96.33 | 204 | 0.3 | 0.1 | 0.1 | 0.3 | 0.1 | 0.4 | 0.1 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| TOTAL | | 764 | 1.9 | 0.3 | 0.8 | 1.9 | 0.3 | 2.7 | 0.3 | |

## ADDITIONAL GRADING

| STATION | | cu. yards INCL. IN GRADING FRAME | | REMARKS |
|---|---|---|---|---|
| | | EXC. | EMB. IN PLACE | |
| FROM | TO | | | |
| MAINLINE | | | | |
| 10+50 | 16+02 | | 274 | TOPSOIL REPLACEMENT |
| 11+37 | 12+38 | ~ | ~ | DITCH GRADING LT. (QUANTITIES INCLUDED IN MAINLINE) |
| 12+25 | | 30 | 515 | PUBLIC APP. LT. |
| 12+54 | | 5 | | INLET DITCH LT. |
| 12+54 | | 5 | | OUTLET DITCH RT. |
| 15+57 | 16+14 | ~ | ~ | DITCH GRADING LT. (QUANTITIES INCLUDED IN MAINLINE) |
| | | | | |
| COUNTY ROAD | | | | |
| 21+25 | | 195 | 460 | COUNTY ROAD TIE-IN |
| | | | | |
| SOUTHERN APP. TIE-IN | | | | |
| 31+91 | 33+94 | 135 | 15 | PRIVATE APP. LT., SOUTH ROAD TIE FOR EXISTING APPROACH |
| | | | | |
| NORTHERN APP. TIE-IN | | | | |
| 40+00 | 41+96 | 1,025 | 5 | PRIVATE APP. LT., NORTH ROAD TIE FOR EXISTING APPROACH |
| | | | | |
| SUBTOTAL | | 1,395 | 1,269 | |

## PAVEMENT MARKINGS

| ITEM | UNIT | FINAL APPLICA-TION | TOTAL |
|---|---|---|---|
| STRIPING - WHITE EPOXY | gallon | 6 | 6 |
| STRIPING - YELLOW EPOXY | gallon | 6 | 6 |
| WORDS & SYMBOLS - WHITE EPOXY | gallon | 3 | 3 |
| | | | |
| TEMPORARY STRIPING | linear feet | | 1,018 |
| | | | |

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# SUMMARY

## SURFACING

| STATION | | linear feet | | | | FOR | AGGREGATE | | | | | | BITUMINOUS MATERIAL | | sq. yards | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | sq. yards | tons | cu. yards | | | | gals. | sq. yards | | |
| FROM | TO | GROSS | NET | + | - | | PAVEMENT PULVERIZATION | COMMERCIAL PLANT MIX 3/8" PG 64-28 | TRAFFIC GRAVEL | CRUSHED TOP SURFACING GRADE 3B | CRUSHED AGG. COURSE | SPECIAL BORROW NEAT LINE | EMULSIFIED ASPHALT TACK | AGG. TREAT. | SEPARATION GEOTEXTILE | |
| 10+50.00 | 11+18.00 | 68.00 | 68.00 | | | | | 38 | | | 52 | 226 | 21 | 210 | 372 | TRANS. FROM TYP. 1 TO TYP. 2 |
| 11+18.00 | 13+38.11 | 220.11 | 220.11 | | | | | 140 | | | 189 | 783 | 77 | 773 | 1,274 | TYPICAL 2 |
| 13+38.11 | 13+79.92 | 41.81 | 41.81 | | | | | 25 | | | 34 | 142 | 14 | 138 | 232 | TRANS. FROM TYP. 2 TO TYP. 3 |
| 13+79.92 | 13+99.92 | 20.00 | 20.00 | | | | | 15 | | | 16 | 67 | 8 | 64 | 109 | TRANS. FROM TYP. 3 TO TYP. 4 |
| 13+99.92 | 14+49.92 | 50.00 | 50.00 | | | | | 48 | | | 41 | 171 | 25 | 167 | 280 | TRANS. FORM TYP. 4 TO TYP. 5 |
| 14+49.92 | 14+60.10 | 10.18 | | | 10.18 | RAILROAD CROSSING | | | | | | | | | | |
| 14+60.10 | 15+16.00 | 55.90 | 55.90 | | | | | 67 | | | 55 | 223 | 34 | 230 | 362 | TRANS. FROM TYP. 6 TO TYP. 7 |
| 15+16.00 | 16+02.11 | 86.11 | 86.11 | | | | | | | 109 | | | | 388 | 448 | TRANS. FROM TYP. 8 TO TYP. 9 |
| | | | | | | | | | | | | | | | | |
| | | | | | | ADDITIONAL SURFACING | 1,844 | 7 | ~ | 666 | ~ | ~ | ~ | 1,141 | ~ | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| TOTAL | | 552.11 | 541.93 | ~ | 10.18 | | 1,844 | 340 | 95 | 775 | 387 | 1,612 | 179 | 3,111 | 3,077 | |

## ADDITIONAL SURFACING (INCLUDED IN SURFACING FRAME)

| STATION | | linear feet | | | | FOR | AGGREGATE | | | | | | BITUMINOUS MATERIAL | | sq. yards | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | sq. yards | tons | cu. yards | | | | gals. | sq. yards | | |
| FROM | TO | GROSS | NET | + | - | | PAVEMENT PULVERIZATION | COMMERCIAL PLANT MIX 3/8" PG 64-28 | TRAFFIC GRAVEL | CRUSHED TOP SURFACING GRADE 3B | CRUSHED AGG. COURSE | SPECIAL BORROW NEAT LINE | EMULSIFIED ASPHALT TACK | AGG. TREAT. | SEPARATION GEOTEXTILE | |
| 12+25.00 | | | | | | | | 7 | | 100 | | | | | | PUBLIC APP. LT. |
| 12+59.00 | | | | | | | 1,844 | | | | | | | | | PULVERIZE 761' AND REGRADE EXISTING PLANT MIX |
| | | | | | | | | | | | | | | | | |
| COUNTY ROAD | | | | | | | | | | | | | | | | |
| 21+25.00 | 24+05.00 | 280.00 | 280.00 | | | | | | | 214 | | | | | | COUNTY ROAD TIE-IN |
| | | | | | | | | | | | | | | | | |
| SOUTHERN APP. TIE-IN | | | | | | | | | | | | | | | | |
| 31+90.62 | 33+94.21 | 203.59 | 203.59 | | | | | | | 120 | | | | 528 | | |
| | | | | | | | | | | | | | | | | |
| NORTHERN APP. TIE-IN | | | | | | | | | | | | | | | | |
| 40+00.00 | 41+96.33 | 196.33 | 196.33 | | | | | | | 232 | | | | 613 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| SUBTOTAL | | ~ | ~ | ~ | ~ | | 1,844 | 7 | ~ | 666 | ~ | ~ | ~ | 1,141 | ~ | |

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# SUMMARY

## CULVERTS (INCLUDED IN CULVERT SUMMARY RECAP)

| STATION | BASIC BID ITEMS | | | PIPE OPTIONS in | | | END SECTIONS | | linear ft. | SKEW ANGLE | CULVERT IN PL. in x ft | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CULVERT PIPE in | linear feet | | STEEL - 2 2/3 X 1/2 CORR. CONCRETE ALUMINUM - 2 2/3 x 1/2 CORR. | CLASS OR THK. | COATING * | | | HEIGHT OF COVER | | | |
| | | LENGTH OF PIPE | REMOVE PIPE CULVERT | | | | LEFT | RIGHT | | | | |
| 12+54 | 24 | 86 | | 24 CSP<br>24 CAP<br>24 RCP | 0.079<br>0.075<br>CL. 3 | YES<br>NO<br>NO | FETS<br>FETS<br>FETS | FETS<br>FETS<br>FETS | 2.4 | | | DRAIN |
| 14+89 | 24 | 76 | | 24 CSP<br>24 CAP<br>24 RCP | 0.079<br>0.075<br>CL. 3 | YES<br>NO<br>NO | FETS<br>FETS<br>FETS | FETS<br>FETS<br>FETS | 3.3 | 6° RT | | DRAIN |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTAL | ~ | ~ | | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | |

* SEE STANDARD SPEC. SEC. 709.05 OR 709.12

## APPROACH PIPE (INCLUDED IN CULVERT SUMMARY RECAP)

| STATION | BASIC BID ITEMS | | | | | | | END SECTIONS | | linear feet | SKEW ANGLE | CULVERT IN PL. in x ft | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CULVERT PIPE in | linear feet | | CONCRETE - CLASS 4 | STEEL - 2 2/3 x 1/2 CORR. 0.064 THK. | ALUMINUM - 2 2/3 x 1/2 CORR. 0.060 THK. | CORRUGATED POLYETHYLENE PIPE | | | HEIGHT OF COVER | | | |
| | | LENGTH OF PIPE | REMOVE PIPE CULVERT | | | | | LEFT | RIGHT | | | | |
| COUNTY ROAD | | | | | | | | | | | | | |
| 21+70 | 24 | 56 | 45.2 | 56 | | | | FETS | FETS | 0.6 | | 15 x 45.2 CSP | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTAL | ~ | ~ | 45.2 | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | |

## CULVERT SUMMARY RECAP

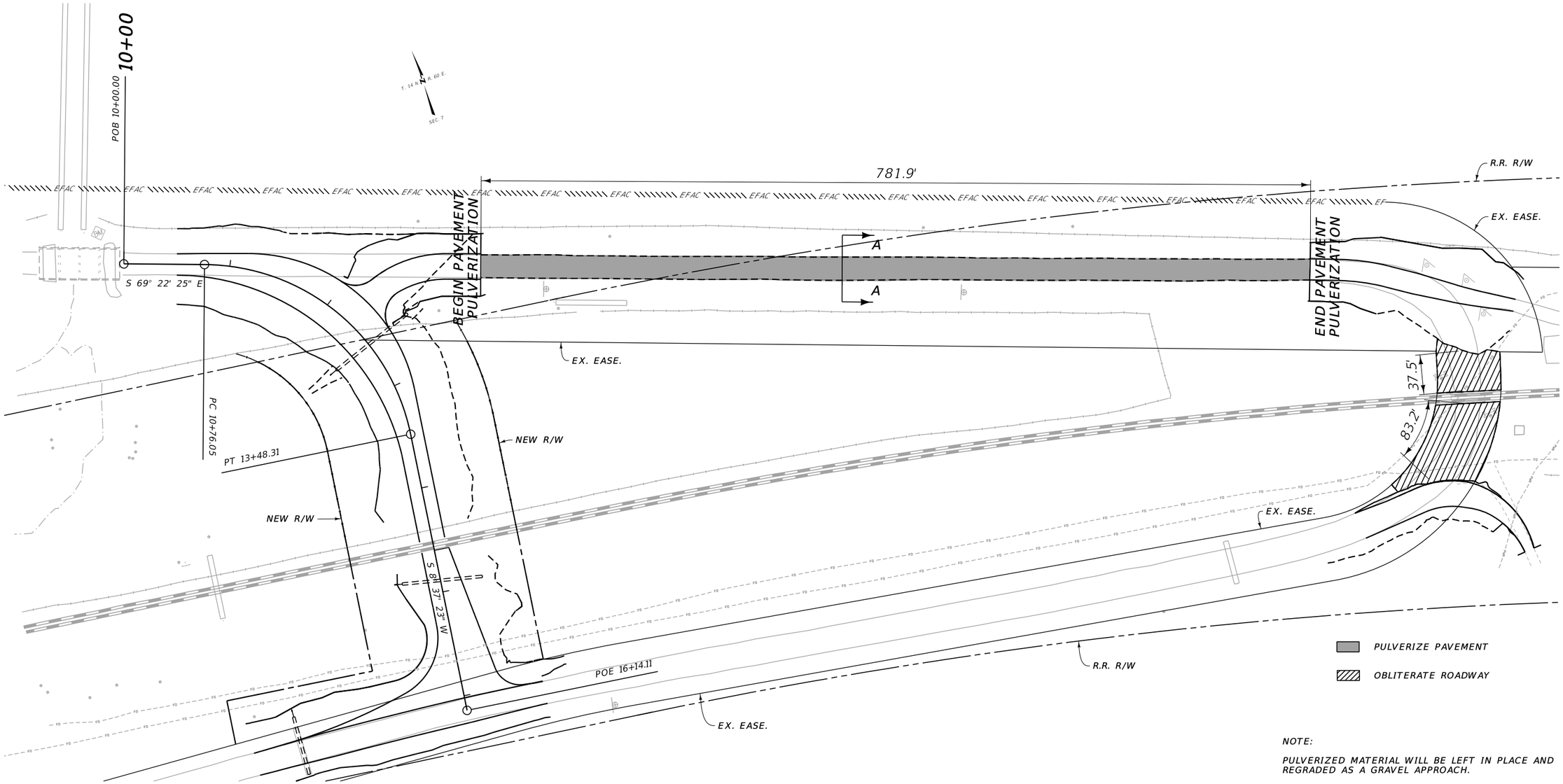
| BASIC BID | linear feet | |
|---|---|---|
| | NEW PIPE (TOTAL) | REMOVE PIPE CULVERT |
| 24" DR | 218 | |
| | | |
| | | |
| | | |
| | | |
| TOTAL | ~ | 45.2 |

## FENCING

| STATION | | linear feet | each | | | REMARKS |
|---|---|---|---|---|---|---|
| | | FARM FENCE | FARM FENCE PANEL | | DEADMAN | |
| | | TYPE F3M | SINGLE | DOUBLE | | |
| FROM | TO | | FM | FM | | |
| RIGHT | | | | | | |
| 11+25.33 | 14+41.03 | 227 | 3 | 2 | | |
| | | | | | | |
| LEFT | | | | | | |
| 12+78.75 | 14+38.71 | 188 | 2 | 2 | | |
| | | | | | | |
| TOTAL | | 414 | 5 | 4 | 2 | |

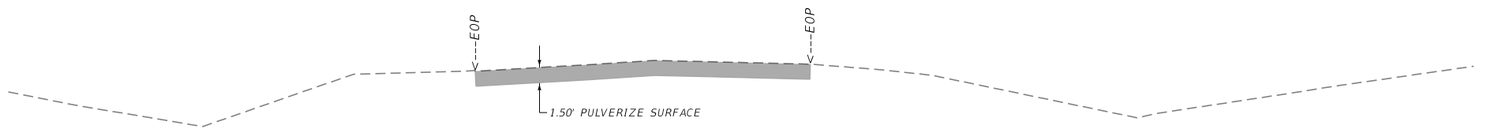
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NOTE:

PULVERIZED MATERIAL WILL BE LEFT IN PLACE AND REGRADED AS A GRAVEL APPROACH.




SECTION A-A

NOTE:

- EXISITNG PLANT MIX DEPTH IS UNKNOWN. ADJUSTMENTS MAY NEED TO BE MADE TO ENSURE COMPLIANCE WITH 50% MAXIMUM OF PULVERIZED PLANT MIX.

# DETAIL

## EXISTING ROADWAY

NO SCALE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | MONTANA Department of Transportation | C:\DGN\9677000rddet002.dgn | DESIGNED BY | T. DUTTON | 5/18/2020 | ROAD PLANS | SF 189 WIBAUX RR XING RELOCATE / HSIP 55(17) |
| 2 | | 7/20/2022 | REVIEWED BY | | | WIBAUX COUNTY | UPN 9677000 / 12 |
| | | 10:17:59 AM CPS - U3619 | CHECKED BY | | | | |

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| RADIUS CENTER INFORMATION | | |
|---|---|---|
| RADIUS | STATION | OFFSET |
| A- 500.0'r | 10+17.80 | 29.6' LT |
| B- 60.0'r | 15+29.65 | 72.0' RT |
| C- 220.0'r | 10+49.73 | 230.1' RT |
| D- 160.0'r | 12+15.17 | 133.9' RT |
| E- 25.0'r | 15+75.88 | 58.6' LT |

EFAC

STA. 11+14.64
OFFSET 14.8' LT

STA. 10+50.37
OFFSET 10.1' RT

EX. R/W =
R.R. R/W

D

C

R.R. R/W

EX. EASE.

NEW R/W

STA. 13+10.24'
OFFSET 15.9' LT

NEW R/W

STA. 13+72.24
OFFSET 12.0' RT

STA. 14+48.37
OFFSET 12.0' LT

STA. 15+29.65
OFFSET 12.0' RT

BNSF RAILROAD

6:1 Taper

STA. 15+86.66
OFFSET 53.3' RT

STA. 15+79.99
OFFSET 33.9' LT

STA. 1+54.33
OFFSET 12.0' LT

B

A

E

STA. 3+88.55
OFFSET 12.0' LT

R.R. R/W

EX. EASE.

# DETAIL

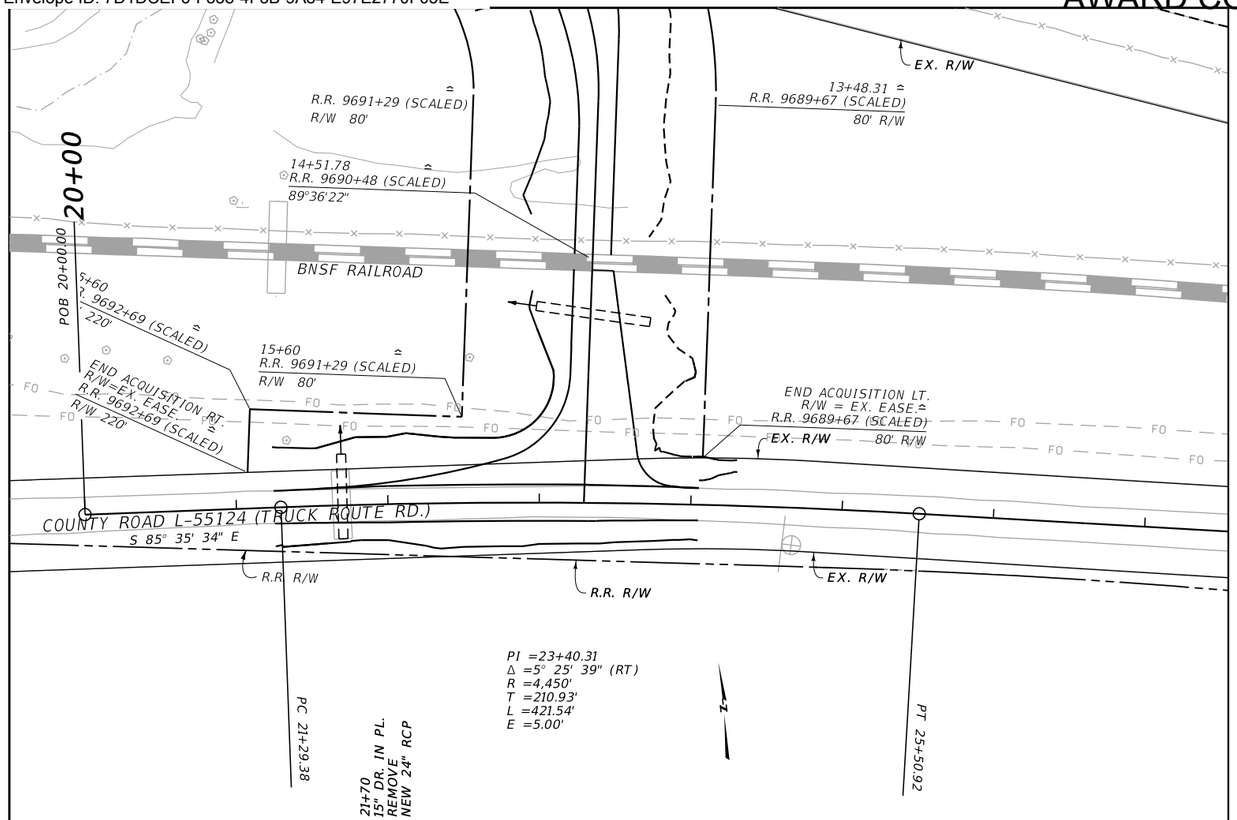
COUNTY ROAD
GEOMETRIC
TIE-IN

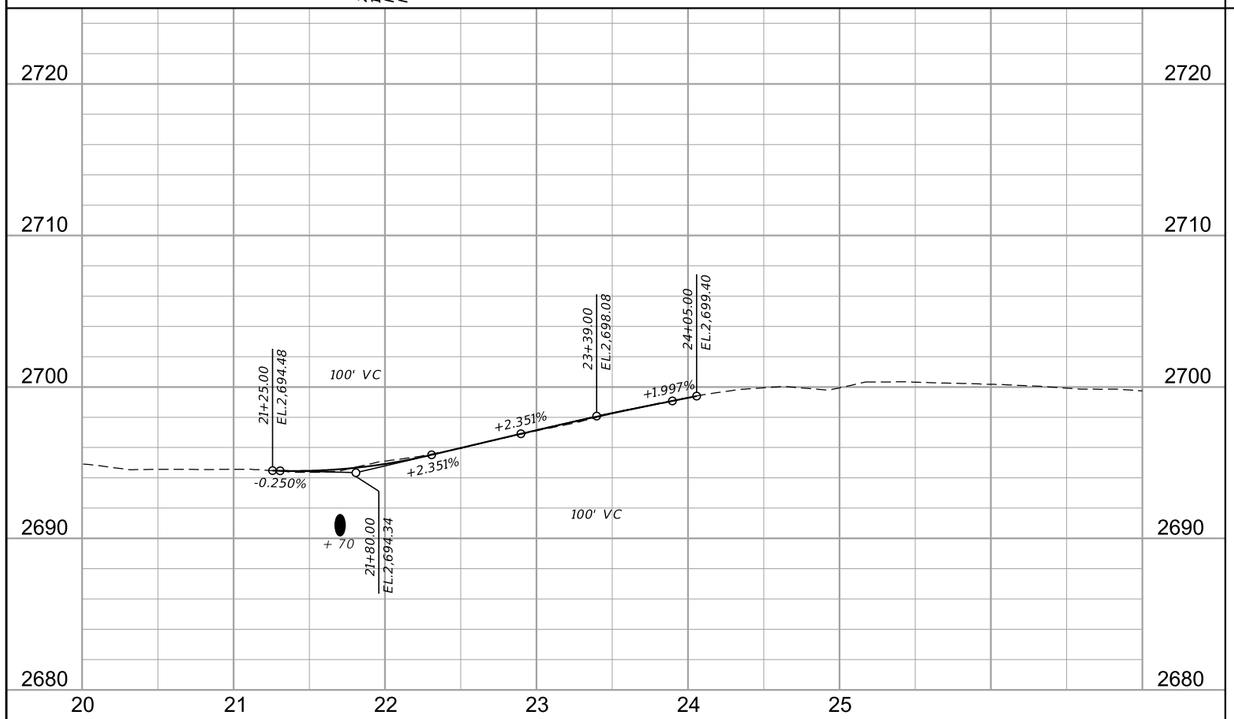
NO SCALE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 / 1 | MONTANA Department of Transportation | C:\DGN\9677000rddet002.dgn | DESIGNED BY T. DUTTON | 5/18/2020 | ROAD PLANS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | | 7/20/2022 | REVIEWED BY | | WIBAUX COUNTY | UPN 9677000 | 13 |
| | | 10:18:04 AM CPS - U3619 | CHECKED BY | | | | |

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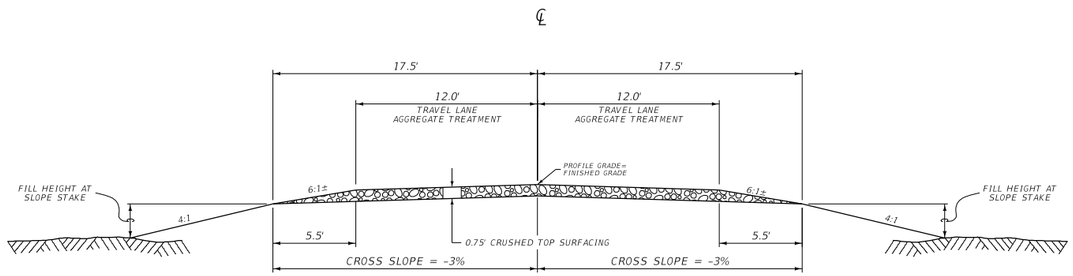



# TYPICAL SECTION NO. C1

COUNTY ROAD

21+25.00 TO 24+05.00 COUNTY ROAD TIE-IN




| QUANTITIES | | | |
|---|---|---|---|
| UNIT | AGG. CR. TOP SURFACING | UNIT | AGG. TREAT. |
| AREA square feet | 22.13 | square yards PER STATION | 267 |
| cubic yards PER STATION | 82.0 | tons PER STATION | |
| tons PER STATION | | | |
| square yards PER STATION | | | |

## CENTERLINE ALIGNMENT COORDINATE TABLE

| STATION | DESCRIPTION | N OR Y COORDINATE | E OR X COORDINATE | REMARKS |
|---|---|---|---|---|
| 20+00.00 | POT | 1,042,269.798 | 3,298,898.879 | |
| 21+25.00 | POT | 1,042,260.192 | 3,299,023.509 | BEGIN COUNTY ROAD TIE-IN |
| 21+29.38 | PC | 1,042,259.855 | 3,299,027.879 | |
| 23+40.31 | PI | 1,042,243.647 | 3,299,238.183 | |
| 24+05.00 | POT | 1,042,230.181 | 3,299,301.858 | END COUNTY ROAD TIE-IN |
| 25+50.92 | PT | 1,042,207.619 | 3,299,446.010 | |
| 30+72.73 | PC | 1,042,118.490 | 3,299,960.155 | |
| 31+39.99 | PI | 1,042,107.002 | 3,300,026.426 | |
| 32+06.45 | PT | 1,042,113.434 | 3,300,093.378 | |
| 32+24.56 | PC | 1,042,115.166 | 3,300,111.402 | |
| 32+92.54 | PI | 1,042,121.668 | 3,300,179.073 | |
| 33+49.09 | PT | 1,042,182.006 | 3,300,210.392 | |
| 33+51.36 | POT | 1,042,184.020 | 3,300,211.438 | |

GPK NAME: JOB677.GPK CHAIN NAME: EX_GRAVEL_RD PROFILE NAME: EX_GRAVEL_RD

# DETAIL

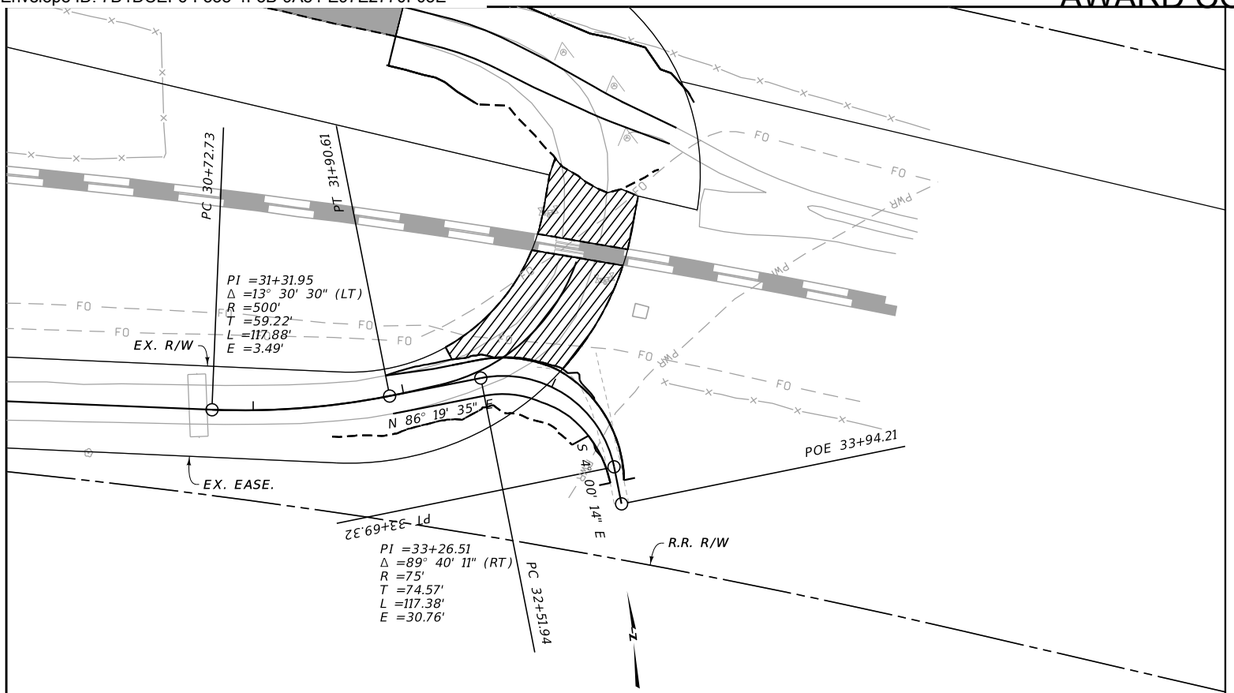
COUNTY ROAD TIE-IN

NO SCALE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | MONTANA Department of Transportation | C:\DGN\9677000rddet001.dgn | DESIGNED BY | T. DUTTON | 5/15/2020 | ROAD PLANS | SF 189 WIBAUX RR XING RELOCATE / HSIP 55(17) |
| 2 | | 7/20/2022 | REVIEWED BY | | | | |
| | | 10:18:17 AM CPS - U3619 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 / 14 |

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NOTE:

WHILE OBILTERATING ROAD, GRADE R/W TO R/W OF THE COUNTY ROAD FLAT TO PROVIDE DRAINAGE AND DO NOT DISTURB THE FO LINES.

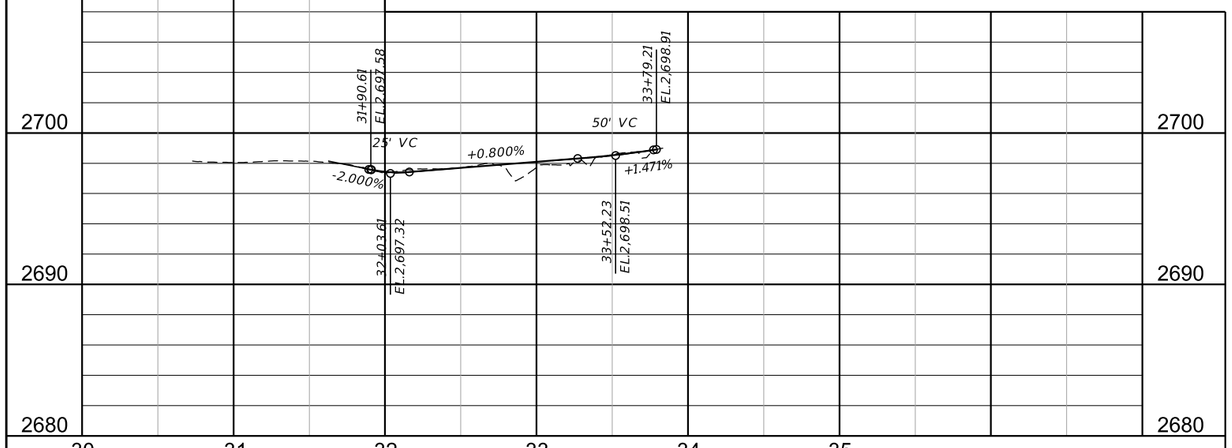
OBLITERATE ROAD

30+73 TO 32+49
DITCH GRADING RT. (BACK)
32+66
OBLITERATE ROAD LT.

## CENTERLINE ALIGNMENT COORDINATE TABLE

| STATION | DESCRIPTION | N OR Y COORDINATE | E OR X COORDINATE | REMARKS |
|---|---|---|---|---|
| 30+72.73 | PC | 1,042,118.490 | 3,299,960.155 | |
| 31+31.95 | PI | 1,042,108.375 | 3,300,018.501 | |
| 31+90.61 | PT | 1,042,112.170 | 3,300,077.595 | |
| 32+51.94 | PC | 1,042,116.099 | 3,300,138.795 | |
| 33+26.51 | PI | 1,042,120.877 | 3,300,213.211 | |
| 33+69.32 | PT | 1,042,046.490 | 3,300,218.417 | |
| 33+94.21 | POT | 1,042,021.652 | 3,300,220.156 | |

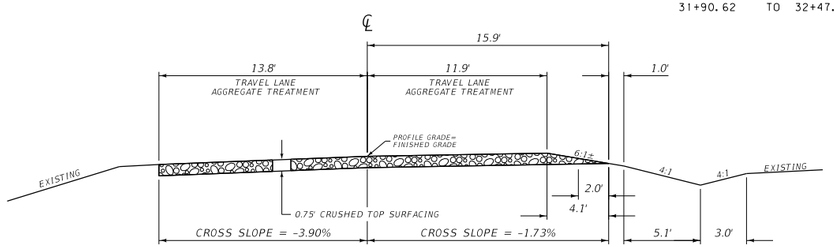
GPK NAME: J0B677.GPK CHAIN NAME: SOUTH_RD_TIE PROFILE NAME: SOUTH_RD_TIE




# TYPICAL SECTION NO. S1

SOUTHERN ROAD

31+90.61 ONLY
31+90.62 TO 32+47.74 TRANS. TO TYP. S2

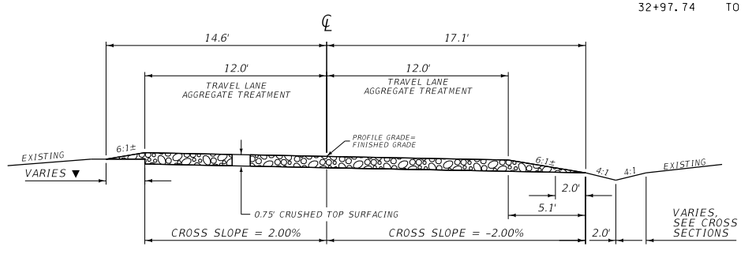



| QUANTITIES | | | |
|---|---|---|---|
| UNIT | AGG. CR. TOP SURFACING | UNIT | AGG. TREAT. |
| AREA square feet<br>cubic yards PER STATION<br>tons PER STATION<br>square yards PER STATION | 20.78<br>77.0 | square yards PER STATION<br>tons PER STATION | 286 |

# TYPICAL SECTION NO. S2

SOUTHERN ROAD

32+47.74 TO 32+97.74
32+97.74 TO 33+41.39 TRANS. TO TYP. S3

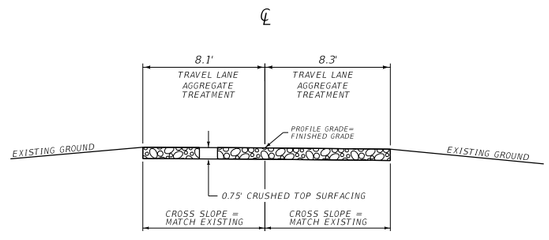



| QUANTITIES | | | | |
|---|---|---|---|---|
| UNIT | AGG. CR. TOP SURFACING | UNIT | AGG. TREAT. | |
| AREA square feet<br>cubic yards PER STATION<br>tons PER STATION<br>square yards PER STATION | 20.10<br>74.4 | square yards PER STATION<br>tons PER STATION | 267 | |

▼ FOR ESTIMATION PURPOSES, A HEIGHT OF 0.25' AND A WIDTH OF 1.5' WAS USED TO CALCULATE THE QUANTITY FOR THE SMALL WEDGE OF ASPHALT.

# TYPICAL SECTION NO. S3

SOUTHERN ROAD



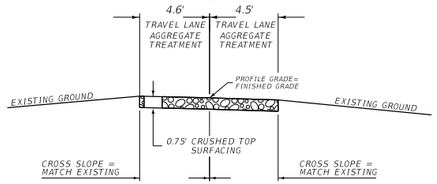

| QUANTITIES | | | | |
|---|---|---|---|---|
| UNIT | AGG. CR. TOP SURFACING | UNIT | AGG. TREAT. | GEOTEX-TILE |
| AREA square feet<br>cubic yards PER STATION<br>tons PER STATION<br>square yards PER STATION | 12.30<br>45.6 | square yards PER STATION<br>tons PER STATION | 182 | <br><br>182 |

33+41.39 ONLY
33+41.39 TO 33+79.21 TRANS. TO TYPICAL S4

# TYPICAL SECTION NO. S4

SOUTHERN ROAD

33+79.21 ONLY




| QUANTITIES | | | | |
|---|---|---|---|---|
| UNIT | AGG. CR. TOP SURFACING | UNIT | AGG. TREAT. | GEOTEX-TILE |
| AREA square feet<br>cubic yards PER STATION<br>tons PER STATION<br>square yards PER STATION | 6.83<br>25.3 | square yards PER STATION<br>tons PER STATION | 101 | <br><br>101 |

# DETAIL

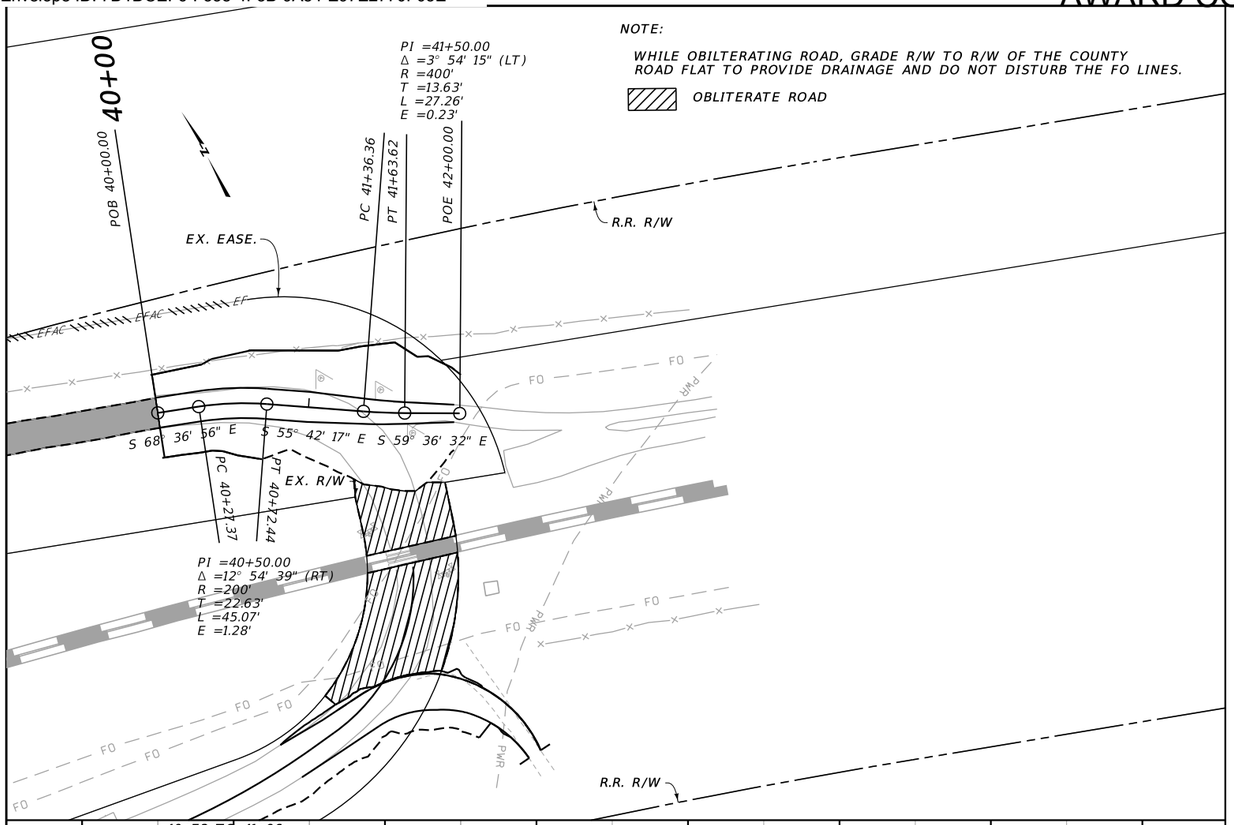
SOUTHERN APPROACH TIE-IN

NO SCALE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | MONTANA Department of Transportation | C:\DGN\9677000rddet001.dgn | DESIGNED BY | T. DUTTON | 5/15/2020 | ROAD PLANS | SF 189 WIBAUX RR XING RELOCATE / HSIP 55(17) |
| 1 | | 7/20/2022 | REVIEWED BY | | | WIBAUX COUNTY | UPN 9677000 / 15 |
| | | 10:18:23 AM CPS - U3619 | CHECKED BY | | | | |

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NOTE:

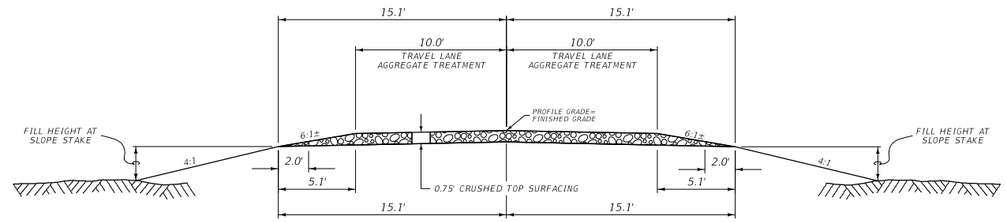
WHILE OBILTERATING ROAD, GRADE R/W TO R/W OF THE COUNTY ROAD FLAT TO PROVIDE DRAINAGE AND DO NOT DISTURB THE FO LINES.

OBLITERATE ROAD

# TYPICAL SECTION NO. N1

NORTHERN ROAD

40+00.00 TO 41+00.00
41+00.00 TO 41+96.36 TRANS. TO TYP. N2

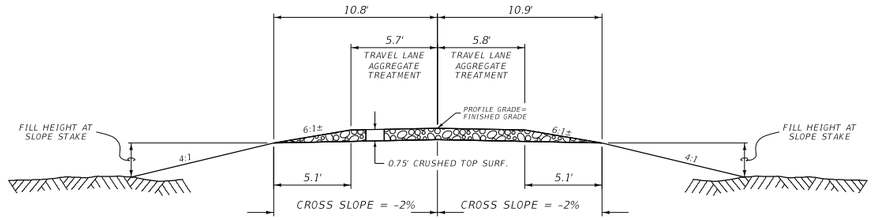



| QUANTITIES | | | |
|---|---|---|---|
| UNIT | AGG. CR. TOP SURFACING | UNIT | AGG. TREAT. |
| AREA square feet<br>cubic yards PER STATION<br>tons PER STATION<br>square yards PER STATION | 21.83<br>80.9 | square yards PER STATION<br>tons PER STATION | 222 |

# TYPICAL SECTION NO. N2

NORTHERN ROAD

41+96.36 ONLY




| QUANTITIES | | | |
|---|---|---|---|
| UNIT | AGG. CR. TOP SURFACING | UNIT | AGG. TREAT. |
| AREA square feet<br>cubic yards PER STATION<br>tons PER STATION<br>square yards PER STATION | 12.45<br>46.1 | square yards PER STATION<br>tons PER STATION | 128 |

## APPROACH ALIGNMENT COORDINATE TABLE

| STATION | DESCRIPTION | N OR Y COORDINATE | E OR X COORDINATE | REMARKS |
|---|---|---|---|---|
| 40+00.00 | POT | 1,042,356.270 | 3,300,116.176 | |
| 40+27.37 | PC | 1,042,346.290 | 3,300,141.662 | |
| 40+50.00 | PI | 1,042,338.038 | 3,300,162.734 | |
| 40+72.44 | PT | 1,042,325.288 | 3,300,181.429 | |
| 41+36.36 | PC | 1,042,289.267 | 3,300,234.242 | |
| 41+50.00 | PI | 1,042,281.586 | 3,300,245.505 | |
| 41+63.62 | PT | 1,042,274.688 | 3,300,257.265 | |
| 42+00.00 | POT | 1,042,256.285 | 3,300,288.644 | |

GPK NAME: J0B677.GPK CHAIN NAME: NORTH_RD_TIE PROFILE NAME: NORTH_RD_TIE

# DETAIL

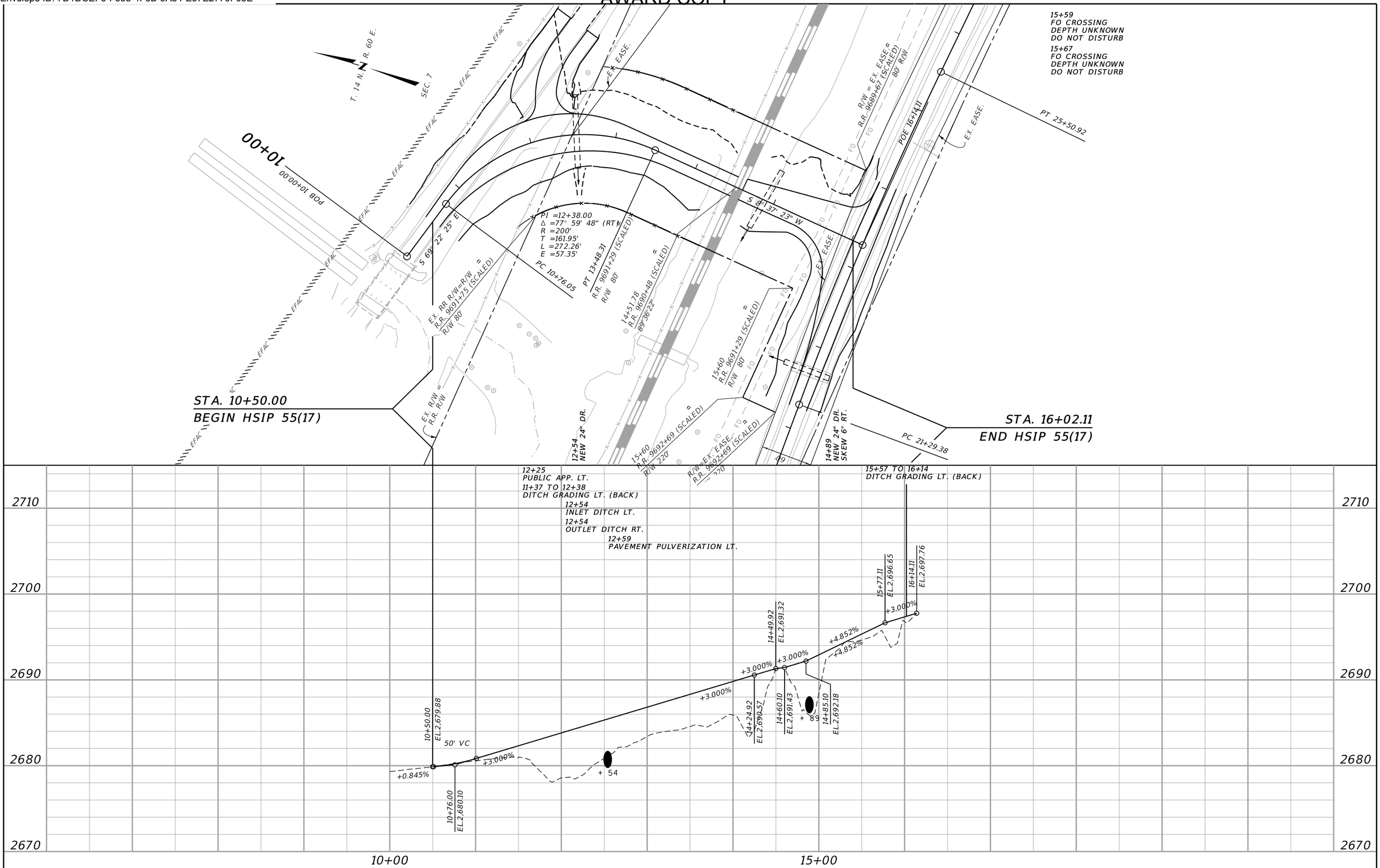
NORTHERN APPROACH TIE-IN

NO SCALE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3<br>1 | MONTANA Department of Transportation | C:\DGN\9677000rddet001.dgn<br>7/20/2022<br>10:18:28 AM CPS - U3619 | DESIGNED BY<br>REVIEWED BY<br>CHECKED BY | T. DUTTON | 5/15/2020 | ROAD PLANS<br>WIBAUX COUNTY | SF 189 WIBAUX RR XING RELOCATE<br>UPN 9677000 | HSIP 55(17)<br>16 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | MONTANA Department of Transportation | C:\DGN\9677000rdplp001.dgn | DESIGNED BY T. DUTTON | 4/29/2022 | ROAD PLANS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| 2 | | 7/20/2022 | REVIEWED BY | | WIBAUX COUNTY | UPN 9677000 | 17 |
| | | 10:18:38 AM CPS - U3619 | CHECKED BY | | | | |

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# SUMMARY
# SIGNING & DELINEATION QUANTITIES

| MATERIAL | TOTAL | UNIT |
|---|---|---|
| SIGNS-ALUM REFL SHEET IV | | SQ. FOOT |
| SIGNS-ALUM REFL SHEET XI | 161.6 | SQ. FOOT |
| | | |
| SIGNS-ALUM SHEET INCR IV | | SQ. FOOT |
| SIGNS-ALUM SHEET INCR XI | | SQ. FOOT |
| OVERLAY-SHEET ALUMINUM | | SQ. FOOT |
| POSTS-STEEL U SIGN | 60 | POUNDS |
| POLES-TREATED WOOD 4 IN | 234 | LINEAR FT. |
| POLES-TREATED WOOD 5 IN | 76 | LINEAR FT. |
| | | |
| POLES-TREATED TIMBER-CLASS 4 | | LINEAR FT. |
| POLES-TREATED TIMBER-CLASS 3 | | LINEAR FT. |
| POSTS-TUBULAR STEEL | | POUNDS |
| POSTS-TUBULAR STEEL-SQ-PERF | | POUNDS |
| POSTS-STEEL STRUCTURAL SIGN | | POUNDS |
| OVERHEAD STR/METAL-CANTILEVER | | EACH |
| OVERHEAD STR/METAL-BRIDGE | | EACH |
| | | |
| HIGHWAY TRAFFIC STRIPING-WHITE | | GAL.(S) |
| HIGHWAY TRAFFIC STRIPING-YELLOW | | GAL.(S) |
| WORDS & SYMBOLS | | GAL.(S) |
| | | |
| DELINEATOR DES A | | EACH |
| DELINEATOR DES B | | EACH |
| DELINEATOR DES C | | EACH |
| DELINEATOR DES D | 4 | EACH |
| DELINEATOR DES E | | EACH |
| DELINEATOR DES F | | EACH |
| DELINEATOR DES G | | EACH |
| DELINEATOR DES H | | EACH |
| REMOVE SIGNS | 2 | EACH |
| REMOVE SIGNS-GUIDE | | EACH |
| RESET SIGNS | | EACH |
| RESET SIGNS-GUIDE | | EACH |
| | | |
| FRANG SIGN POST BKWY- | | EACH |
| FRANG SIGN POST BKWY- | | EACH |
| RETRO-REFLECTIVE STRIP-RED 2"x48" | | EACH |
| | | |
| SQ TUBLR SLIP BASE BKWY-3 IN | | EACH |

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# SIGN LOCATION AND SPECIFICATIONS

| STATION | RAMP NO. | SIGN NO. | PANEL SIZE | REFL SHTG TYPE BACK-GROUND | REFL SHTG TYPE LEGEND | FEET CLEARANCE | FEET SIGN SUPPORT SPACING | TYPE OF SUPPORT | FEET CANTILEVER | FEET SUPPORT LENGTH (ESTIMATED) | FEET SUPPORT LENGTH (INSTALLED) | FEET MOUNTING HEIGHT | FEET FOUNDATION DEPTH | SIGN PANEL (SQ. FT.) SHEET ALUMINUM | ALUMINUM SHEET INCREMENT | ALUMINUM SHEET OVERLAY | TIMBER POLE (LINEAR FT.) 4" TOP DIA. | 5" TOP DIA. | STEEL POST(LBS.) ROUND TUBULAR | SQUARE TUBULAR | STRUCTURAL STEEL | "U" POST | BREAKAWAY | SIGNS REMOVE | SIGNS RESET | GUIDE REMOVE | GUIDE RESET | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OLD HWY 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8+75 Rt. | | W1-1R | 30"x30" | XI | | 10-0 | | 4" Dia. POLE | | 13-11 | | 5-0 | 3-0 | 6.3 (XI) | | | 14 | | | | | | | | | FY | | New |
| | | (25) W13-1 | 18"x18" | XI | | | | | | | | | | 2.3 (XI) | | | | | | | | | | | | FY | | New |
| 9+75 Rt. | | W10-1 | 36"x36" | XI | | 10-0 | | 4" Dia. POLE | | 14-7 | | 5-0 | 3-0 | 7.1 (XI) | | | 16 | | | | | | | | | FY | | New |
| | | W16-2 | 24"x12" | XI | | | | | | | | | | 2.0 (XI) | | | | | | | | | | | | FY | | New |
| 10+50 Lt. | | W1-8 (2) | 18"x18" | XI | | 10-0 | | 4" Dia. POLE | | 12-4 | | 5-0 | 3-0 | 5.0 (XI) | | | 14 | | | | | | | | | FY | | New |
| 11+24 Lt. | | W1-8 (2) | 18"x18" | XI | | 10-0 | | 4" Dia. POLE | | 12-4 | | 5-0 | 3-0 | 5.0 (XI) | | | 14 | | | | | | | | | FY | | New |
| 11+90 Lt. | | W1-8 (2) | 18"x18" | XI | | 10-0 | | 4" Dia. POLE | | 12-4 | | 5-0 | 3-0 | 5.0 (XI) | | | 14 | | | | | | | | | FY | | New |
| 12+05 Lt. | | R1-1 | 30"x30" | XI | XI | 6-0 | | 4" Dia. POLE | | 11-8 | | 5-0 | 3-0 | 5.2 (XI) | | | 12 | | | | | | | | | | | New |
| 12+50 Rt. | | W14-1 | 30"x30" | XI | | 10-0 | | 4" Dia. POLE | | 13-7 | | 5-0 | 3-0 | 6.3 (XI) | | | 14 | | | | | | | | | | | New |
| 12+58 Lt. | | W1-8 (2) | 18"x18" | XI | | 10-0 | | 4" Dia. POLE | | 12-4 | | 5-0 | 3-0 | 5.0 (XI) | | | 14 | | | | | | | | | FY | | New |
| 13+26 Lt. | | W1-8 (2) | 18"x18" | XI | | 10-0 | | 4" Dia. POLE | | 12-4 | | 5-0 | 3-0 | 5.0 (XI) | | | 14 | | | | | | | | | FY | | New |
| 14+15 Rt. | | R15-1 | 48"x48" | XI | | 10-0 | | 4" Dia. POLE | | 13-4 | | 5-0 | 3-0 | 5.3 (XI) | | | 14 | | | | | | | | | | By Others | New |
| 14+92 Lt. | | R15-1 | 48"x48" | XI | | 10-0 | | 4" Dia. POLE | | 13-4 | | 5-0 | 3-0 | 5.3 (XI) | | | 14 | | | | | | | | | | By Others | New |
| 15+70 Rt. | | R1-2 | 36" x 36"x36" | XI | XI | 10-0 | | 4" Dia. POLE | | 11-8 | | 5-0 | 3-0 | 3.9 (XI) | | | 12 | | | | | | | | | FY | | New |
| 15+84 Lt. | | R1-1 | 30"x30" | XI | XI | 6-0 | | 4" Dia. POLE | | 11-8 | | 5-0 | 3-0 | 5.2 (XI) | | | 12 | | | | | | | | | | | New |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Truck Route Road | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21.29 Rt. | | W10-3La | 36"x36" | XI | | 10-0 | | 5" Dia. POLE | | 14-7 | | 5-0 | 3-6 | 9.0 (XI) | | | | 16 | | | | | X | | | FY | | New |
| 23+30 Rt. | | W1-7a | 72"x42" | XI | | 10-0 | | 4" Dia. POLE | | x=13-6 y=13-6 | | 5-0 | 3-0 | 21.0 (XI) | | | 14 14 | | | | | | | | | FY | | New |
| 24+00 Rt. | | W14-1 | 36"x36" | XI | | 10-0 | | 5" Dia. POLE | | 14-7 | | 5-0 | 3-6 | 9.0 (XI) | | | | 16 | | | | | X | | | FY | | New |
| 25+30 Lt. | | W10-3L | 36"x36" | XI | | 10-0 | | 5" Dia. POLE | | 14-9 | | 5-0 | 3-6 | 9.0 (XI) | | | | 16 | | | | | X | | | FY | | New |
| 29+95 Rt. | | W1-1R | 30"x30" | XI | | 10-0 | | 4" Dia. POLE | | 13-11 | | 5-0 | 3-0 | 6.3 (XI) | | | 14 | | | | | | | | | FY | | New |
| | | (25) W13-1 | 18"x18" | XI | | | | | | | | | | 2.3 (XI) | | | | | | | | | | | | FY | | New |
| 33+00 Lt. | | | | XI | | 10-0 | | 5" Dia. POLE | | | | 5-0 | 3-6 | 21.0 (XI) | | | | 14 14 | | | | | X | | | FY | | New |
| 35+80 Lt. | | W1-1L | 30"x30" | XI | | 10-0 | | 4" Dia. POLE | | 13-11 | | 5-0 | 3-0 | 6.3 (XI) | | | 14 | | | | | | | | | FY | | New |
| | | (25) W13-1 | 18"x18" | XI | | | | | | | | | | 2.3 (XI) | | | | | | | | | | | | FY | | New |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | RR Access Road | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33+40 Rt. | | R15-1 | REMOVE | | | | | | | | | | | | | | | | | | | | 1 | | | | By Others | Remove |
| 33+50 Lt. | | R15-1 | REMOVE | | | | | | | | | | | | | | | | | | | | 1 | | | | By Others | Remove |
| 33+00± Rt. | | 6"x12" | OM2-1V | XI | | 10-0 | | 2 lb./ft. STL-U | | 10-5 | | 5-0 | 3-0 | 0.5 (XI) | | | | | | | | 20 | | | | | See Plan Sheet Notes | New |
| | | 6"x12" | OM2-1V | XI | | 10-0 | | 2 lb./ft. STL-U | | 10-5 | | 5-0 | 3-0 | 0.5 (XI) | | | | | | | | 20 | | | | | 20' Spacing | New |
| | | 6"x12" | OM2-1V | XI | | 10-0 | | | | 10-5 | | 5-0 | 3-0 | 0.5 (XI) | | | | | | | | 20 | | | | | | New |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | TOTAL | | | | 161.6 (XI) | | | 234 | 76 | | | | 60 | | 2 | | | | |

FY = TYPE XI FLUORESCENT YELLOW SHEETING REQUIRED.

X = STANDARD BREAKAWAY DEVICE:
- FOR WOOD POST SEE DETAILED DRAWING 619-20.
- FOR STRUCTURAL STEEL SEE DETAILED DRAWING 619-13.

| DELINEATION TABLE | | |
|---|---|---|
| | DESIGN "A" | |
| | DESIGN "B" | |
| | DESIGN "C" | |
| | DESIGN "D" | 4 |
| | DESIGN "E" | |
| | DESIGN "F" | |
| | DESIGN "G" | |
| | DESIGN "H" | |
| | DESIGN "J" | |
| | DESIGN "BJ" | |
| | DESIGN "GJ" | |
| | | |

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OLD HWY 10

BEGIN STRIPING
Sta. 8+00

NEW
W1-1R
W13-1 (25)
Sta. 9+75
200' Advance of Curve

NEW
W10-1
W16-2
Sta. 8+75
580' Advance of Curve

4" White
4" Dble. Yellow

S 69° 22' 35" E

POB 10+00.00

10+00

NEW
W1-8 (2)
Sta. 10+50
Sta. 11+24
Sta. 11+90

NEW
R1-1
Sta. 12+05

PC 10+76.05
PI 13+38.00
Δ = 27° 59' 48" (RT)
R = 200'
T = 161.95'
L = 271.26'
E = 57.35'
PT 13+48.31

Curve X-55124/L-55124
Posted Speed Limit 40m.p.h.
Curve Advisory Posting 25m.p.h.
Radius 200'
Advisory Speed Plaque Required
100' Advance Placement
Chevrons 80' Spacing Requried

NEW
W1-8 (2)
Sta. 12+58
Sta. 13+26

NEW
W14-1
Sta. 12+50

20+00

POB 20+00.00

By Others
R15-1
Sta. 14+15

24" Stop Bar
Approx. 23' from RR X-ing
for signalized X-ing.

By Others
R15-1
Sta. 14+92

NEW
R1-2
Sta. 15+70

End of Pavement
Approx. 50' from RR X-ing

24" Stop Bar
End of Pavement
Approx. 23' from RR X-ing
for signalized X-ing.

S 37° 23' W

NEW
R1-1
Sta. 15+84

NEW
W10-3R
Sta. 25+30

S 85° 35' 34" E

POE 16+14.11

NEW
W10-3La
Sta. 21+29
(See S.D.C.)

PC 21+29.38

NEW
W1-7a
Sta. 23+30

NEW
W14-1
Sta. 24+00

PT 25+30.92

S 80° 09' 55" E

NEW
OM2-1V (3)
approx. Sta. 33+00
20' Spacing Between Panels
Place in Roadway
Field Adjust

Remove
By Others
R15-1
Sta. 33+40

30+00

PC 30+72.73

32+06.45
32+24.56

Remove
By Others
R15-1
Sta. 33+50

N 27° 15' E

N 84° 30' 43" E

NEW
W1-1R
W13-1 (25)
approx. Sta. 29+95
200' Advance of Curve

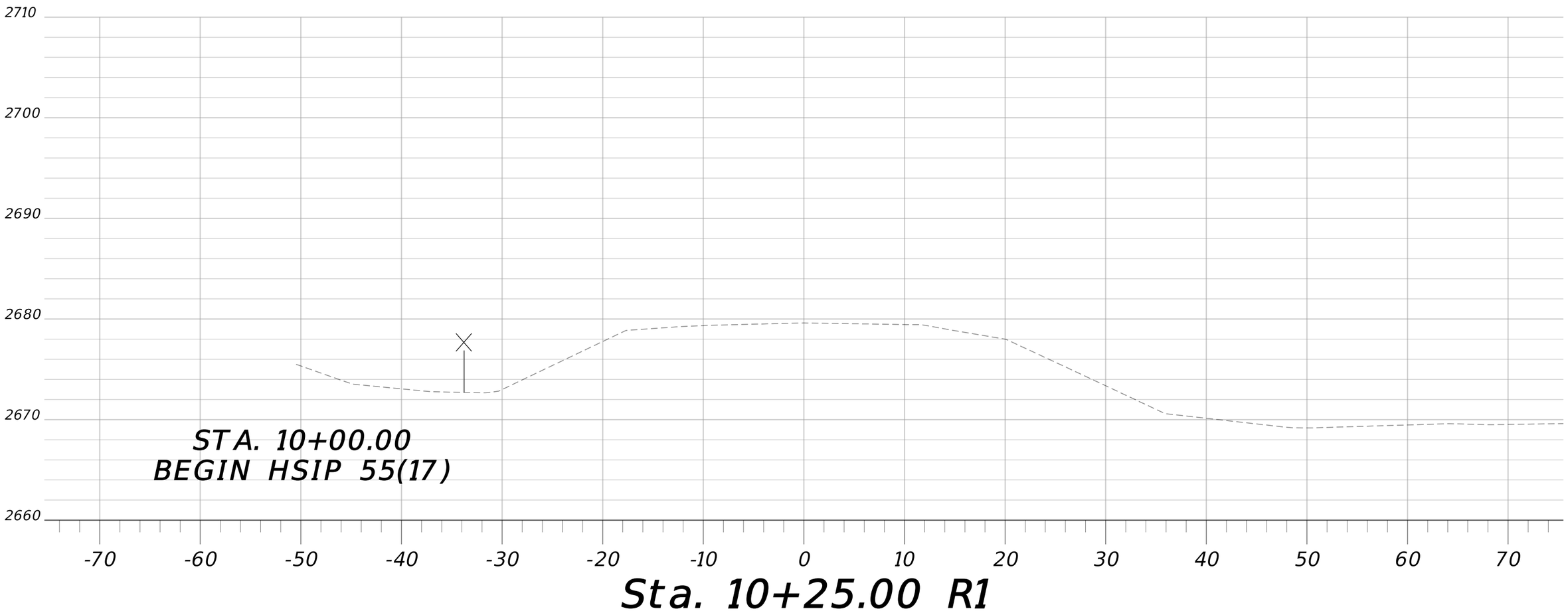
NEW
W1-7a
approx. Sta. 33+00
Field Adjust

NEW
W1-1L
W13-1 (25)
approx. Sta. 35+80
200' Advance of Curve

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3 | MONTANA Department of Transportation | C:\DGN\9677000sisum001.dgn | Designer: | Roger D. Schroeder | 04/2021 | SIGNING PLANS | SF 189 WIBAUX RR Xing Relocate | HSIP (55)17 |
| 2 | | 6/24/2022 | Checked: | Nathan Styren | 05/2022 | | | |
| 1 | | 8:01:26 AM CPS - U2943 | Reviewed: | Joshua Dold | 06/2022 | WIBAUX COUNTY | UPN #9677000 | S3 |

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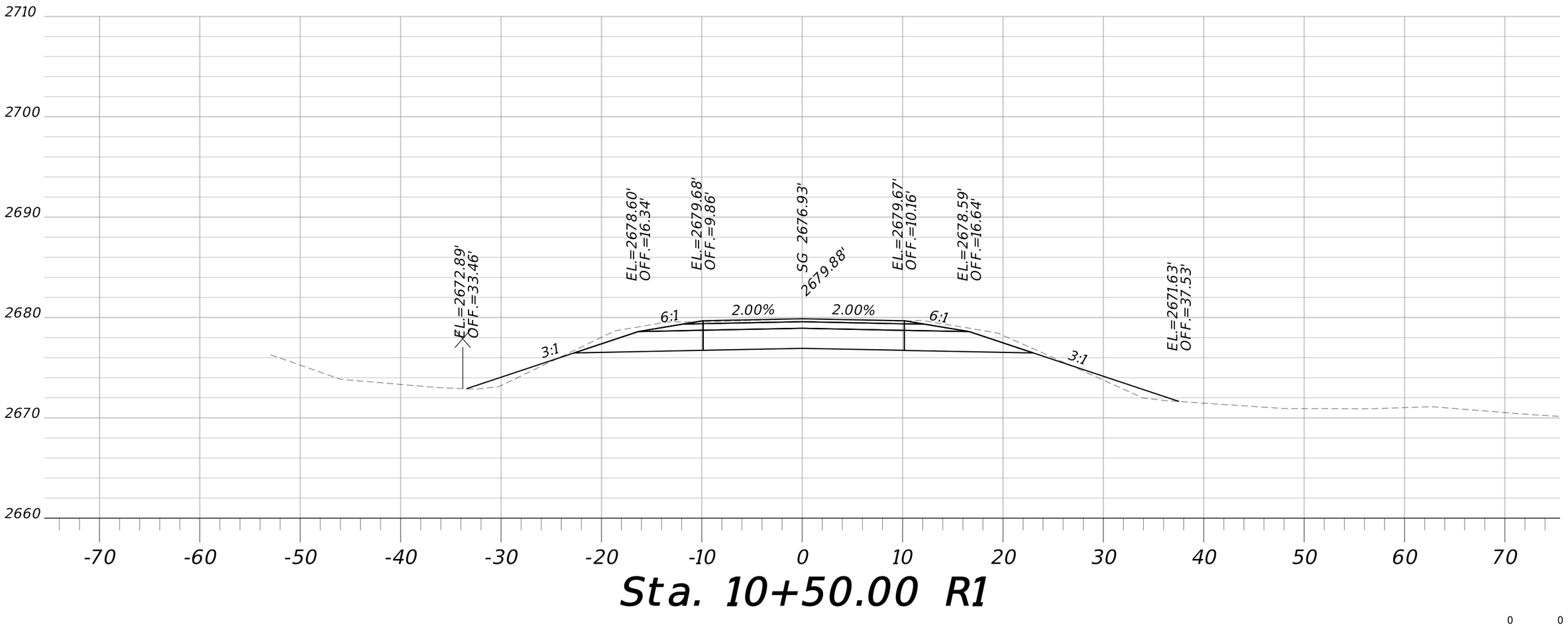



Sta. 10+25.00 R1

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:28:31 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 1 |

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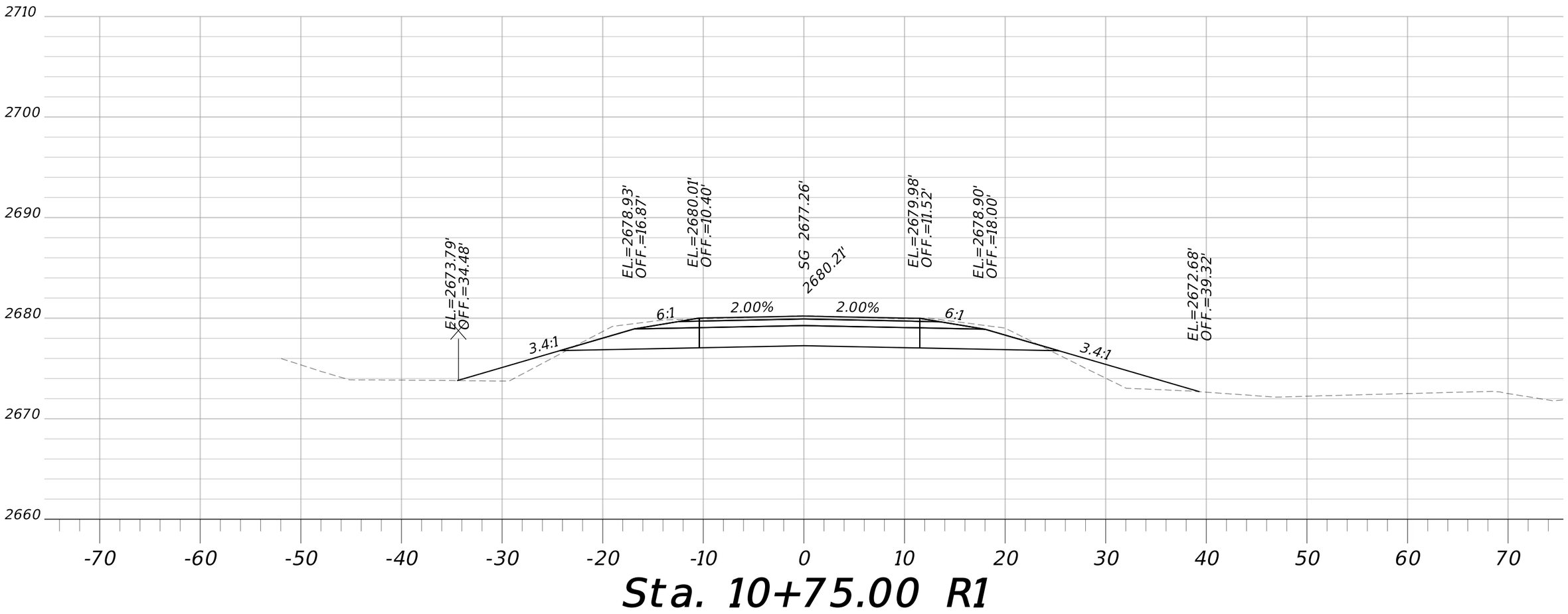

# Sta. 10+50.00 R1

0 0

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:28:37 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 2 |

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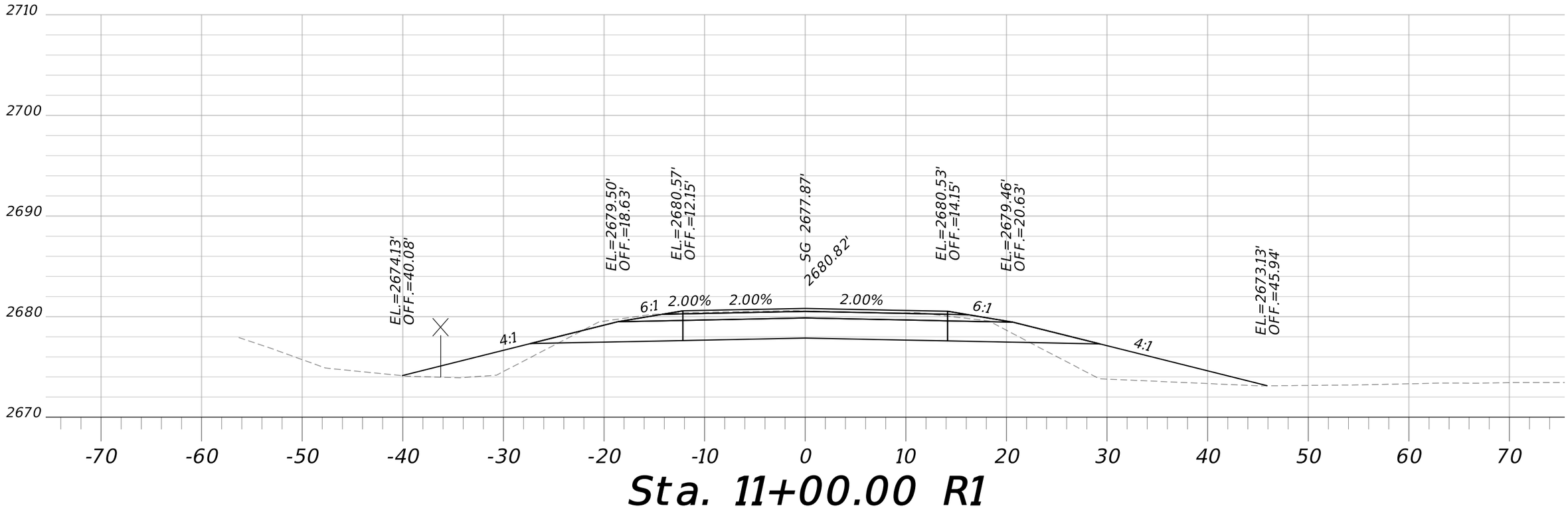

# Sta. 10+75.00 R1



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:28:43 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 3 |

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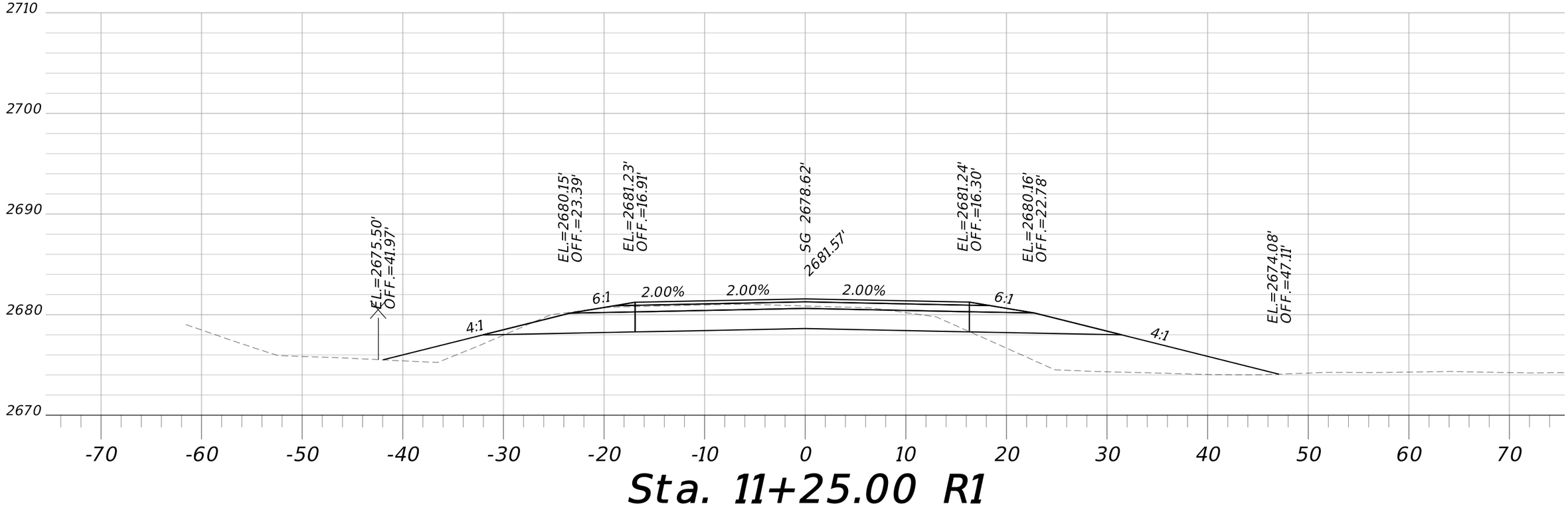

# Sta. 11+00.00 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:28:49 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 4 |

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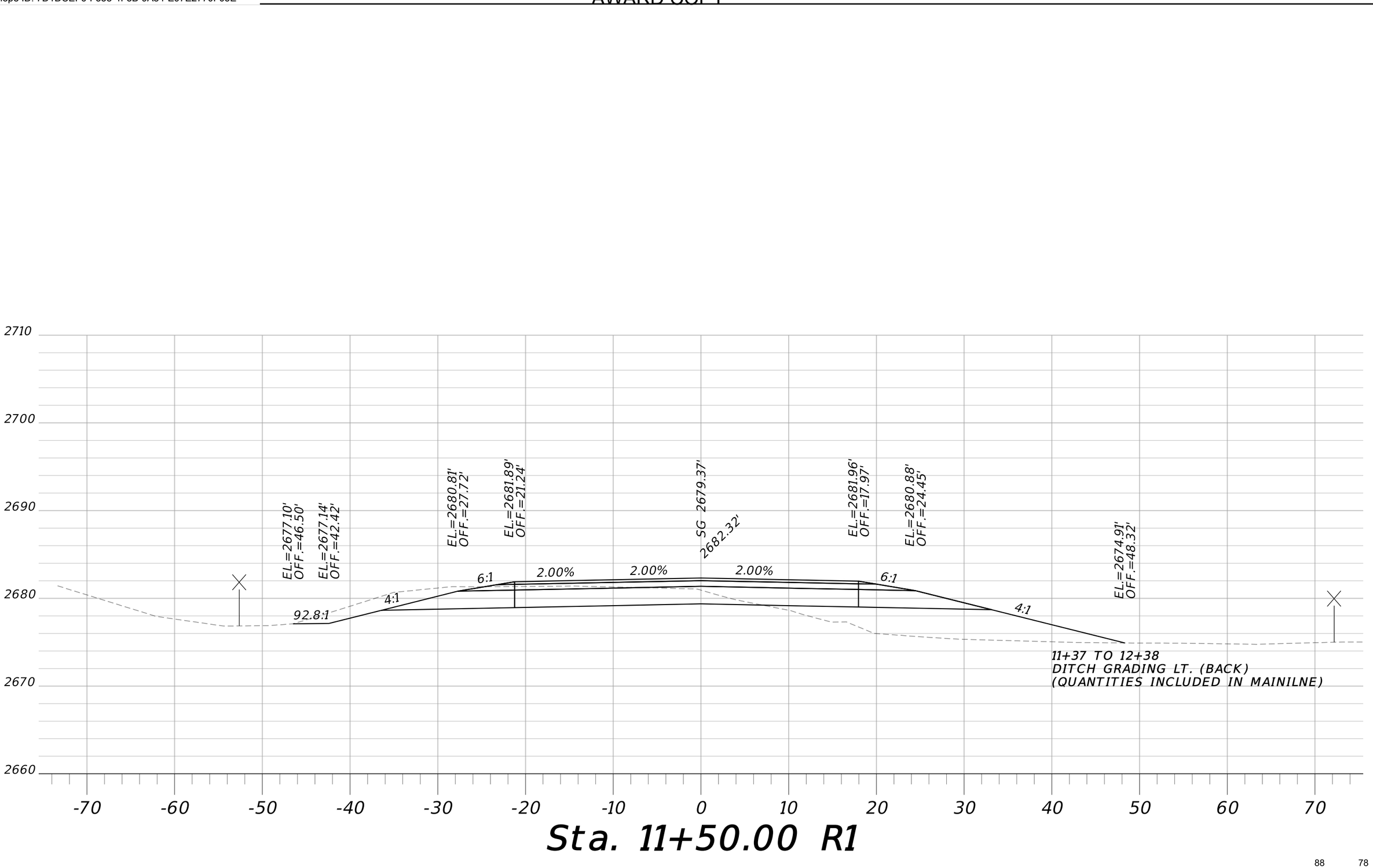

# Sta. 11+25.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:28:54 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 5 |

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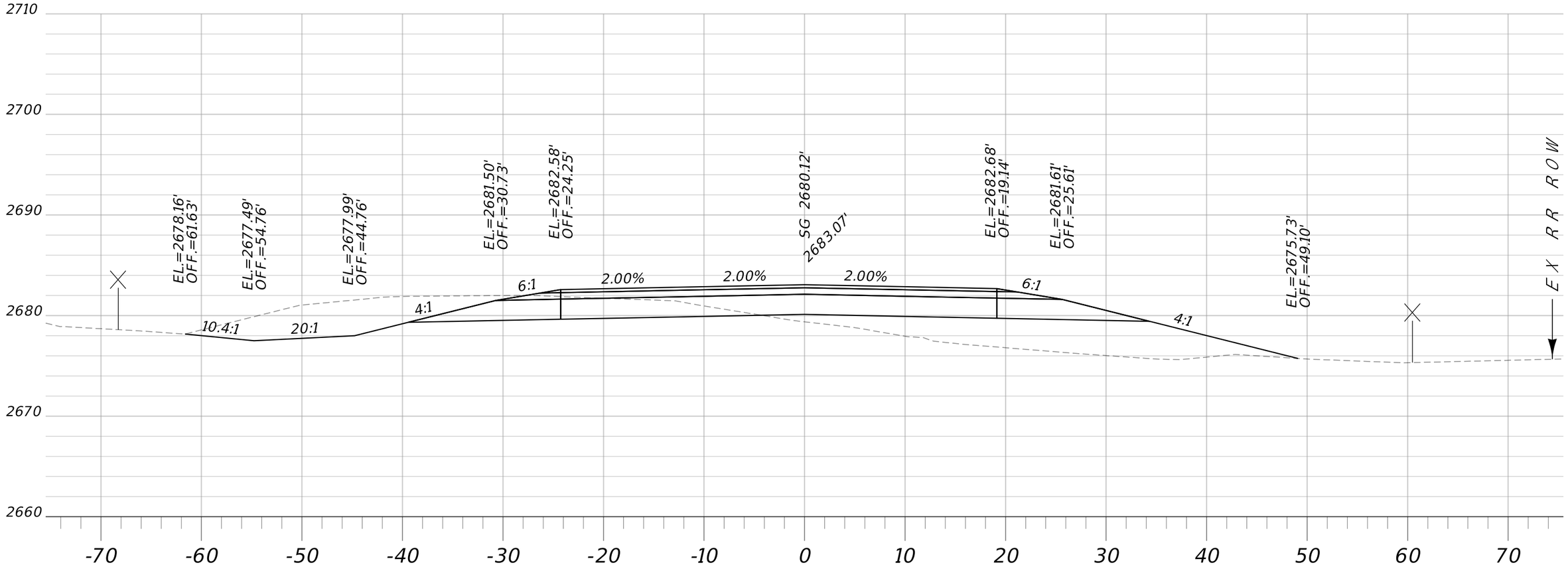

# Sta. 11+50.00 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:29:01 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 6 |

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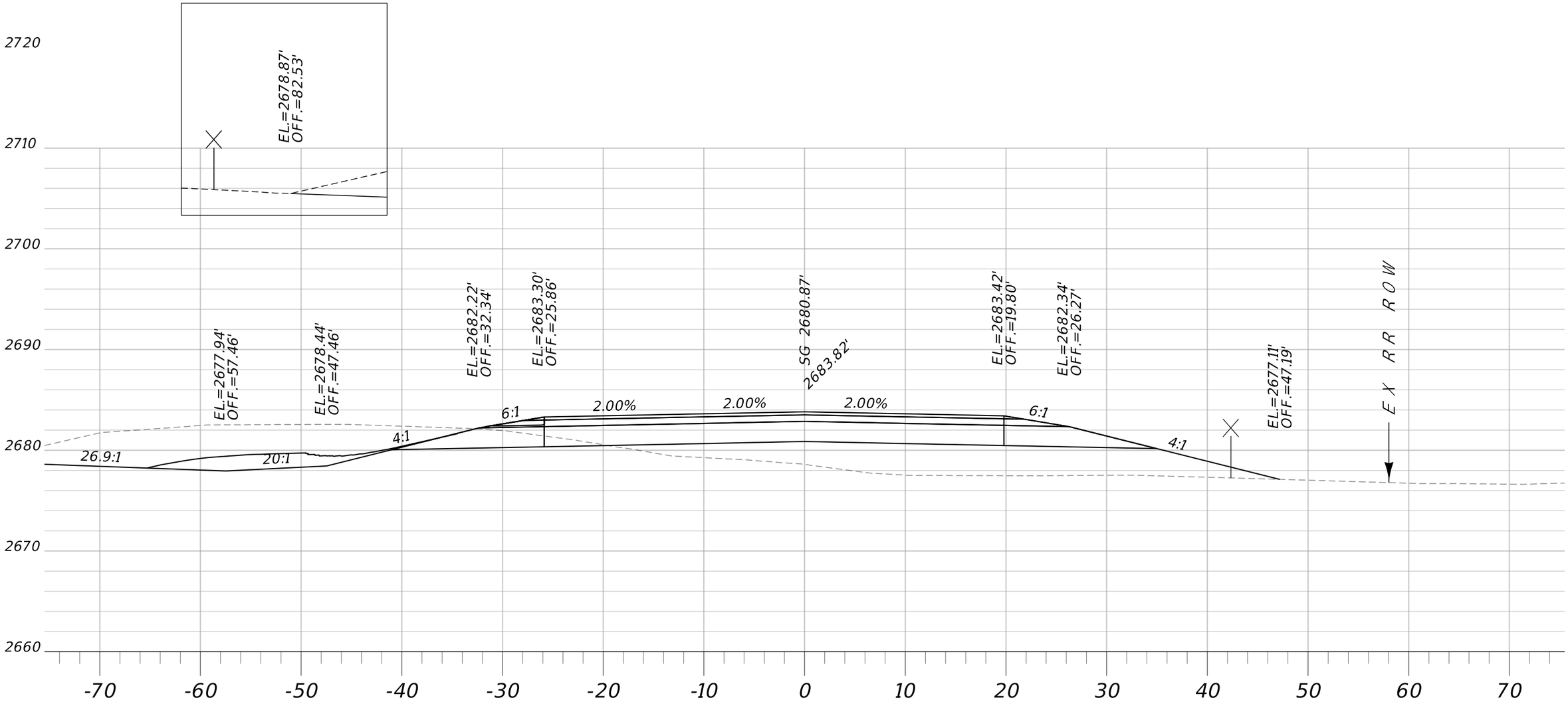

# Sta. 11+75.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:29:06 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 7 |

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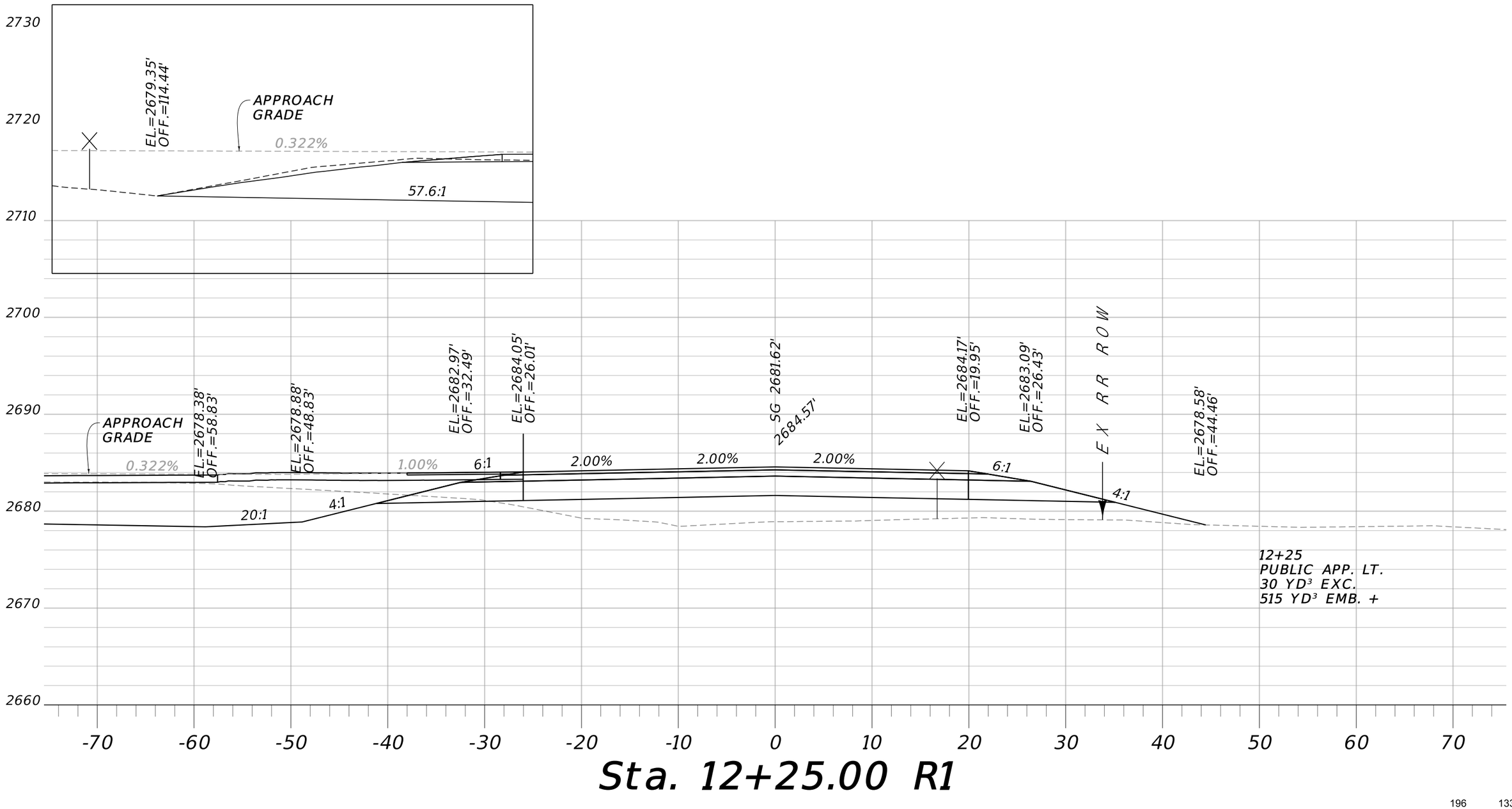

# Sta. 12+00.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:29:12 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 8 |

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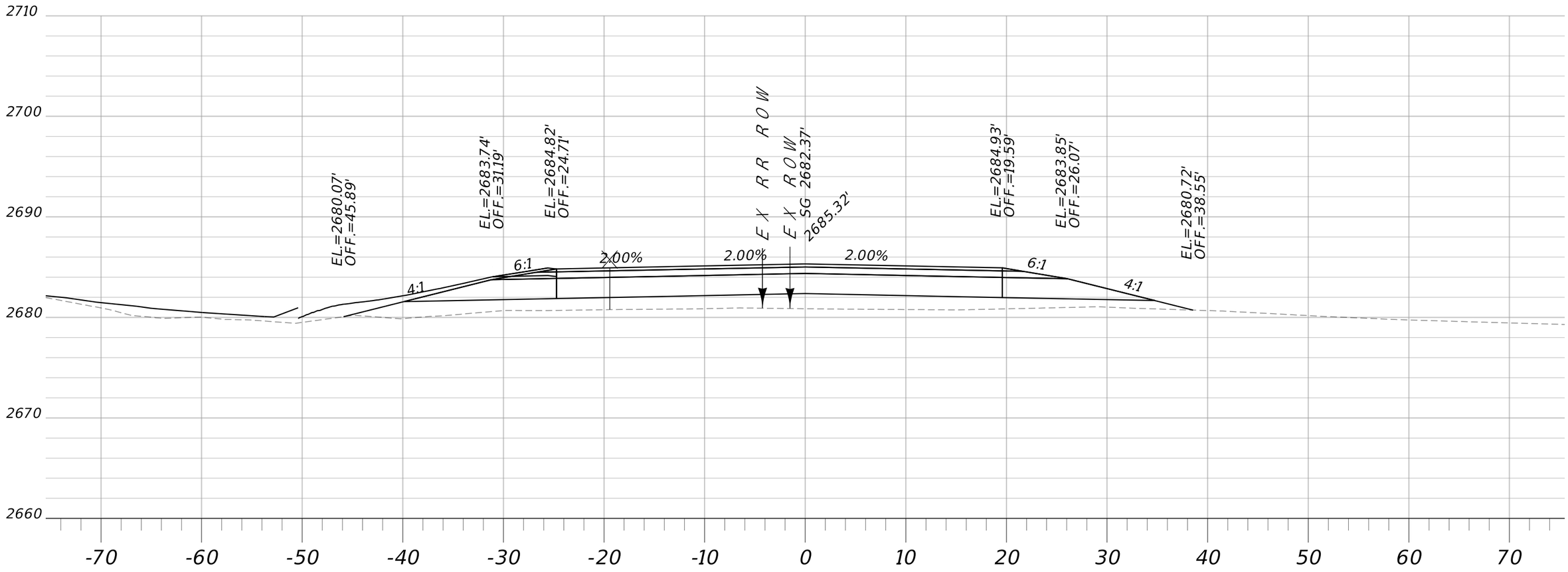

# Sta. 12+25.00 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:29:18 AM CPS - U3832 | CHECKED BY | | WIBAUX COUNTY | | UPN 9677000 | SHEET 9 |

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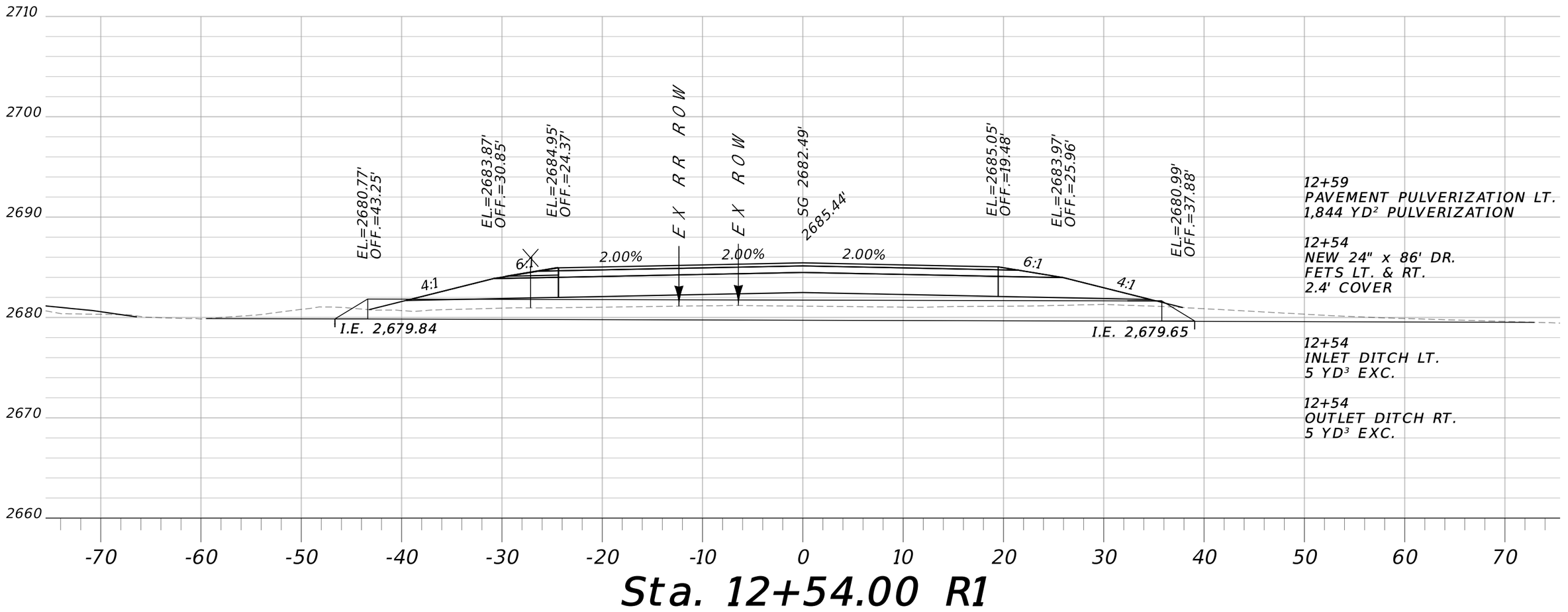

# Sta. 12+50.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:29:24 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 10 |

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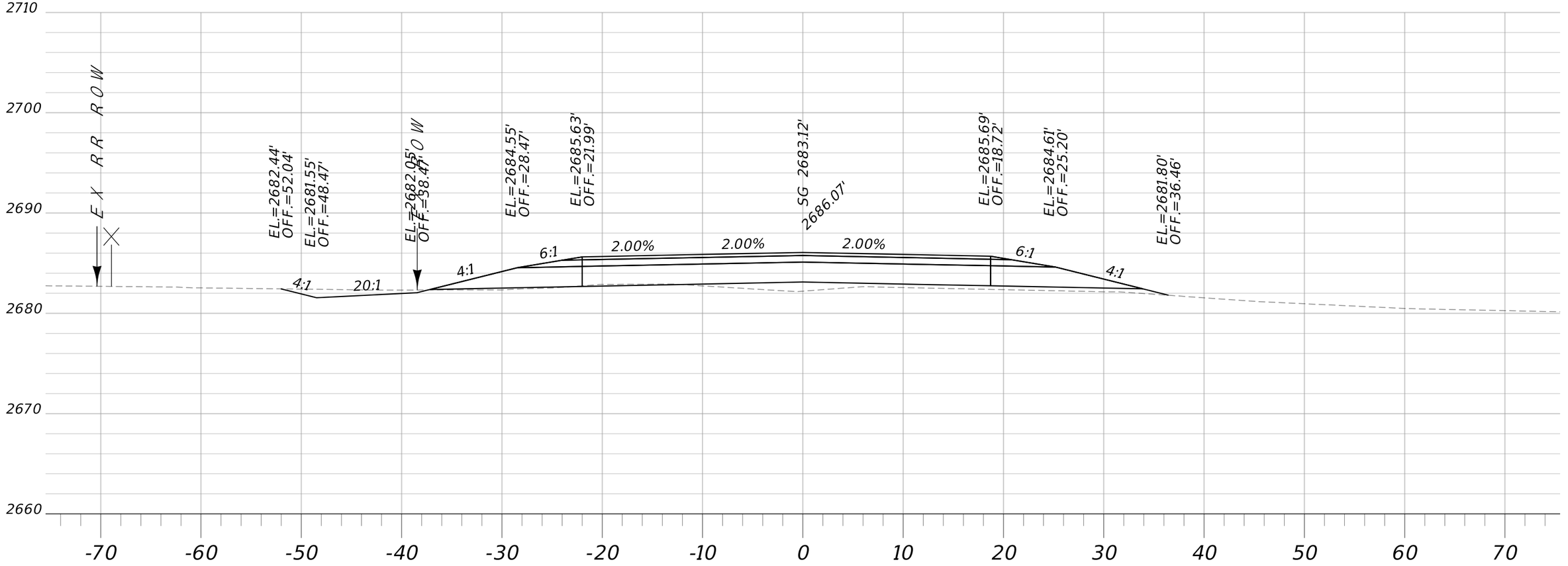

# Sta. 12+54.00 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:29:31 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 11 |

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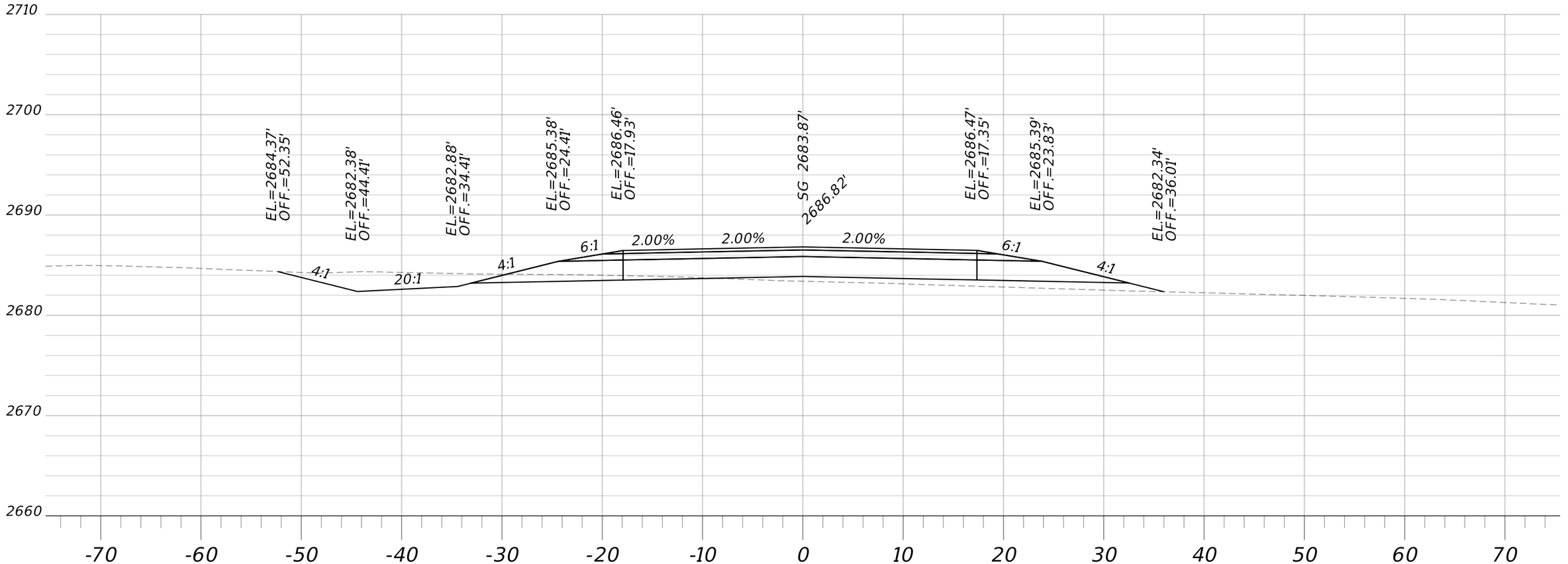

# Sta. 12+75.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:29:37 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 12 |

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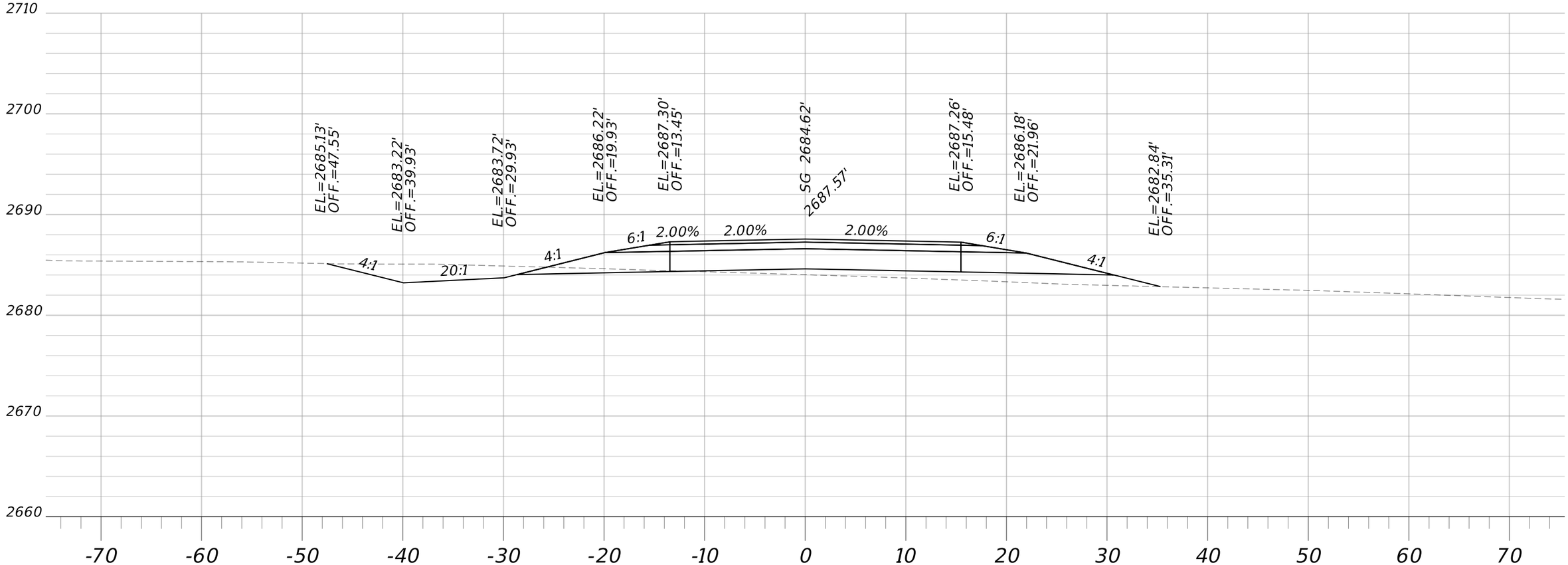

# Sta. 13+00.00 R1



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| | 5/12/2022 | REVIEWED BY | | | | | |
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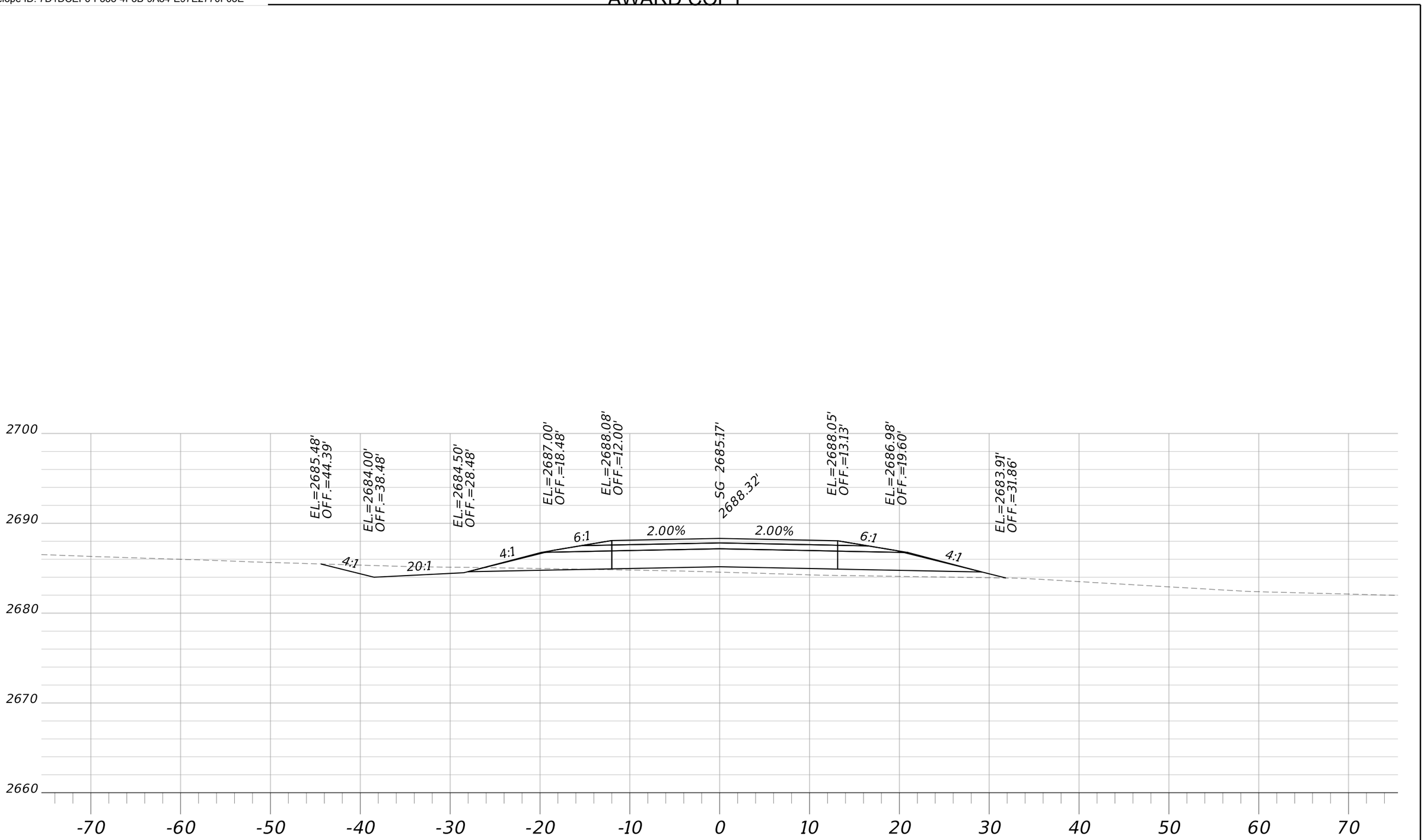

# Sta. 13+25.00 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:29:48 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 14 |

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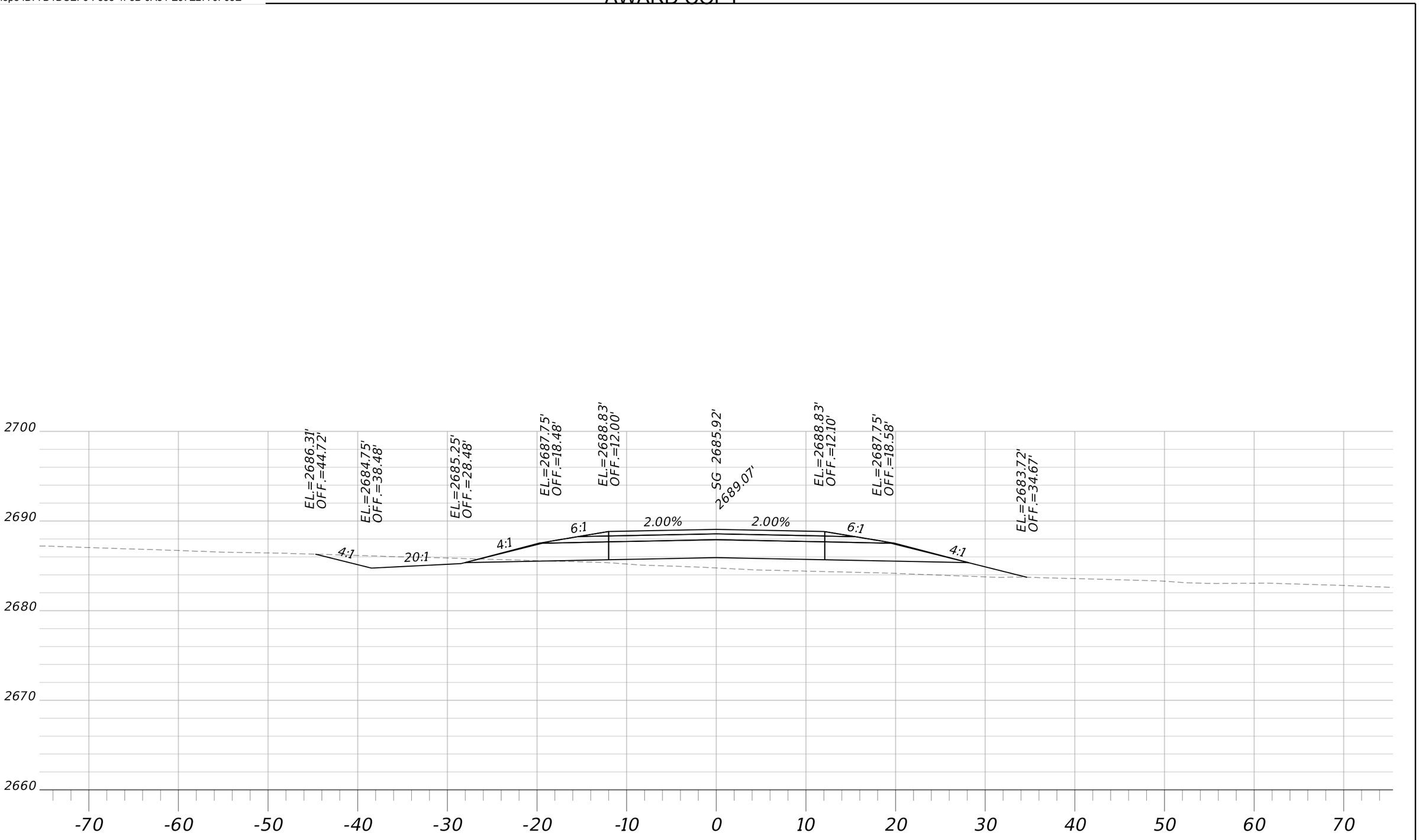

# Sta. 13+50.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:29:54 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 15 |

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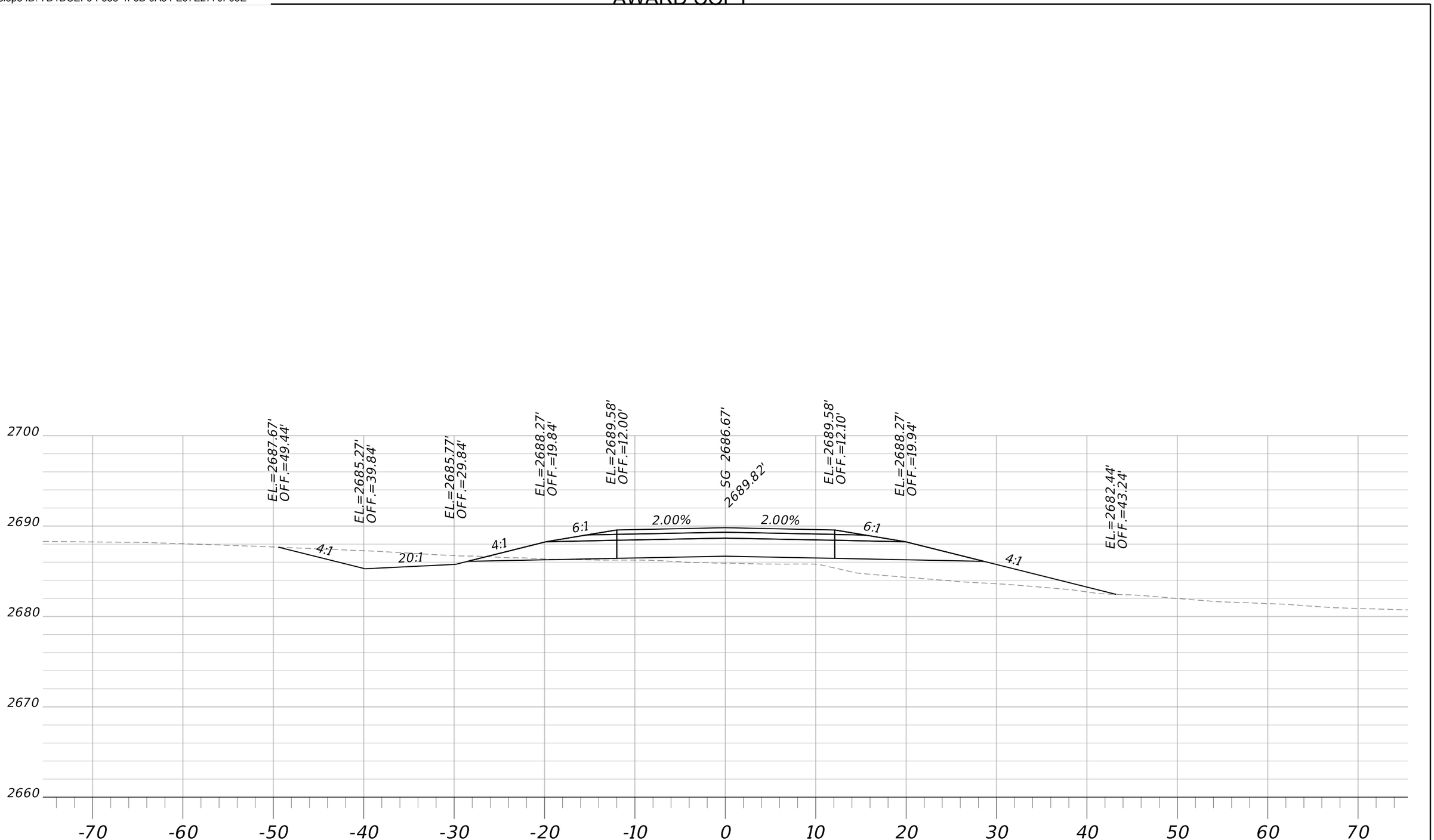

# Sta. 13+75.00 R1



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| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:30:00 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 16 |

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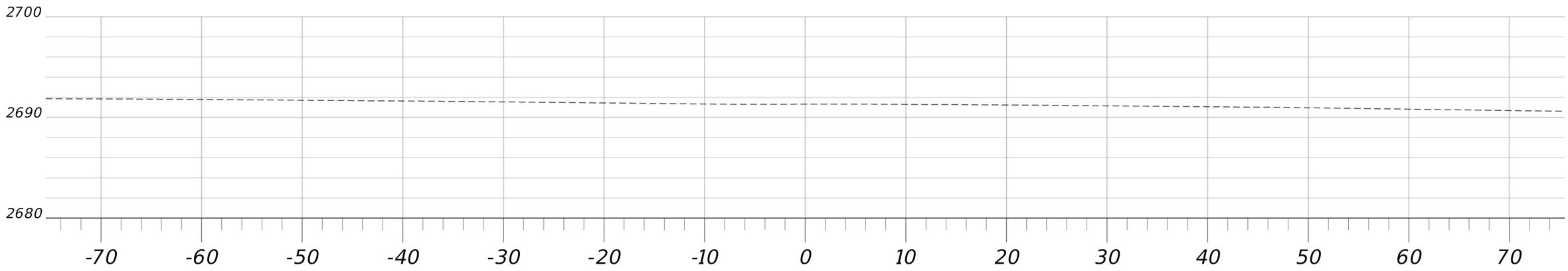

# Sta. 14+00.00 R1



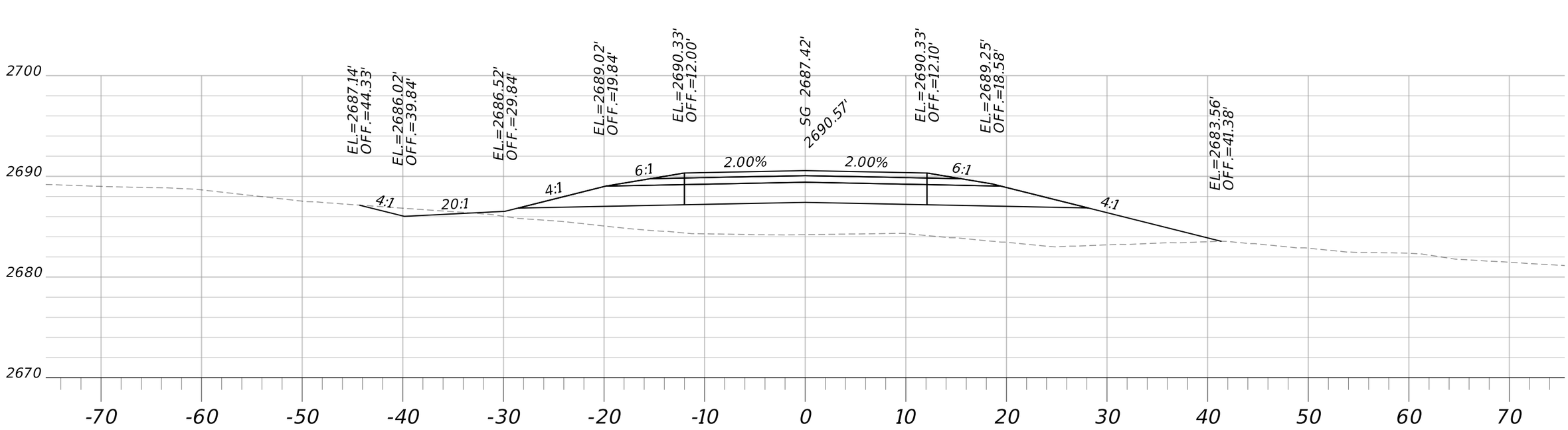
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| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:30:07 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 17 |

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## Sta. 14+50.00 R1



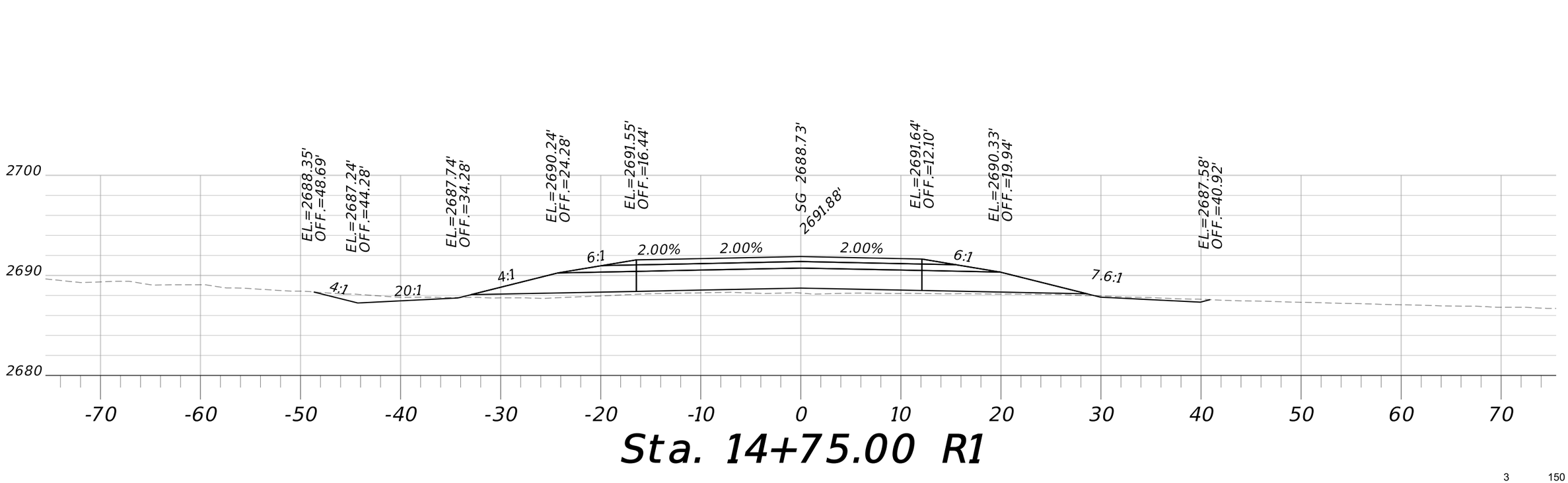

## Sta. 14+25.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:30:13 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 18 |

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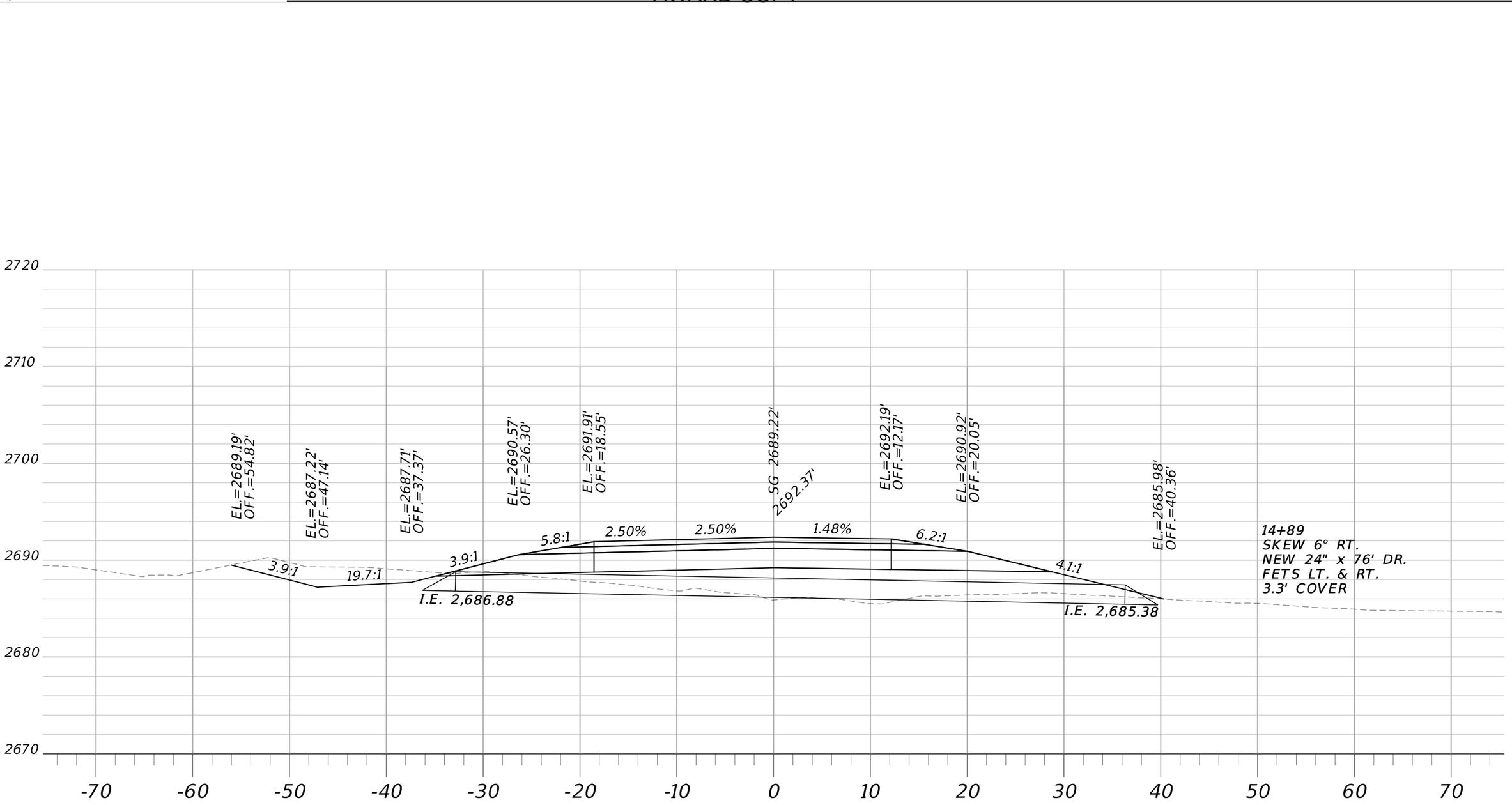

# Sta. 14+75.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | |
| | 7:30:19 AM CPS - U3832 | CHECKED BY | | WIBAUX COUNTY | UPN 9677000 | SHEET 19 |

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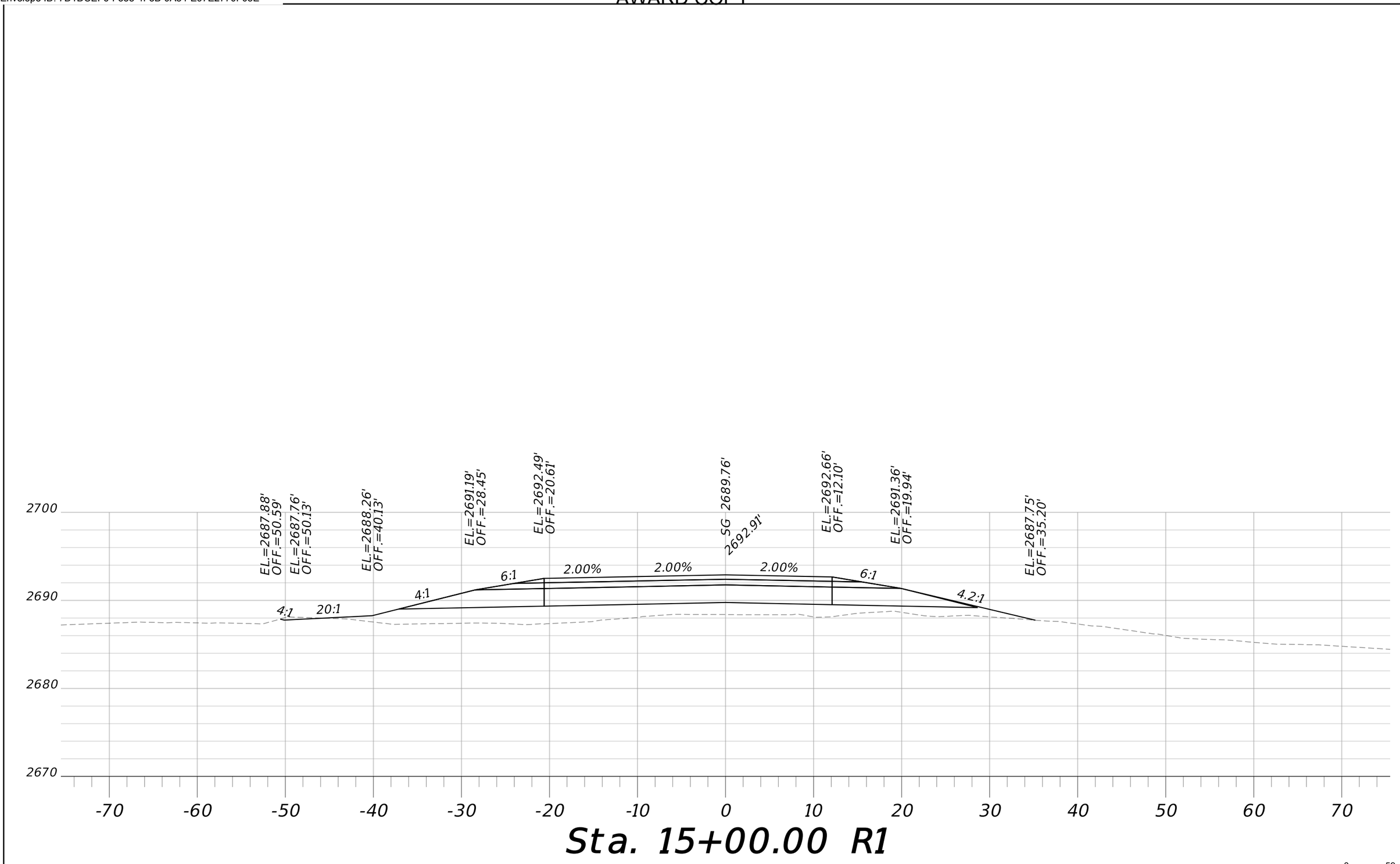

# Sta. 14+89.00 R1
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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
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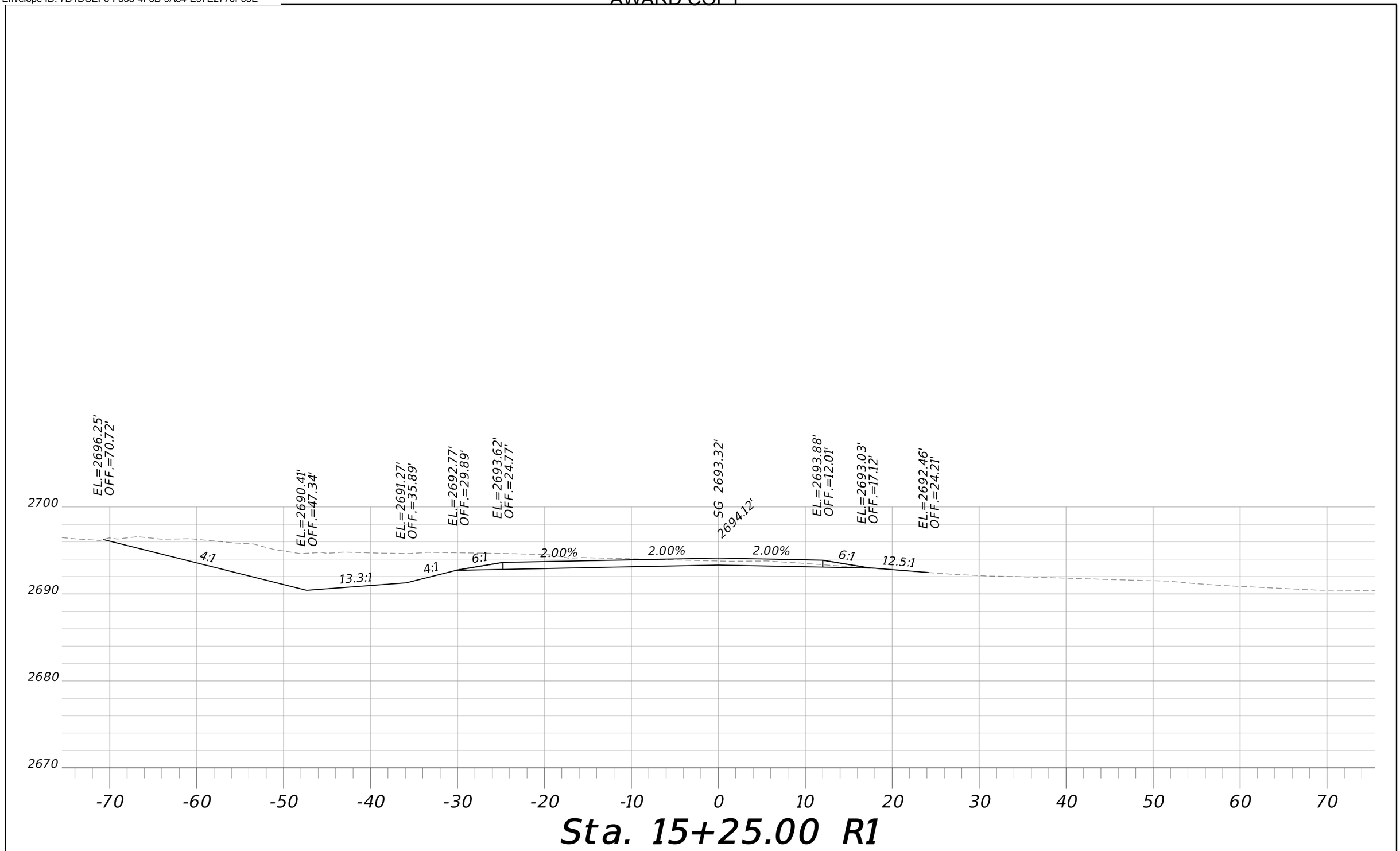

# Sta. 15+00.00 R1

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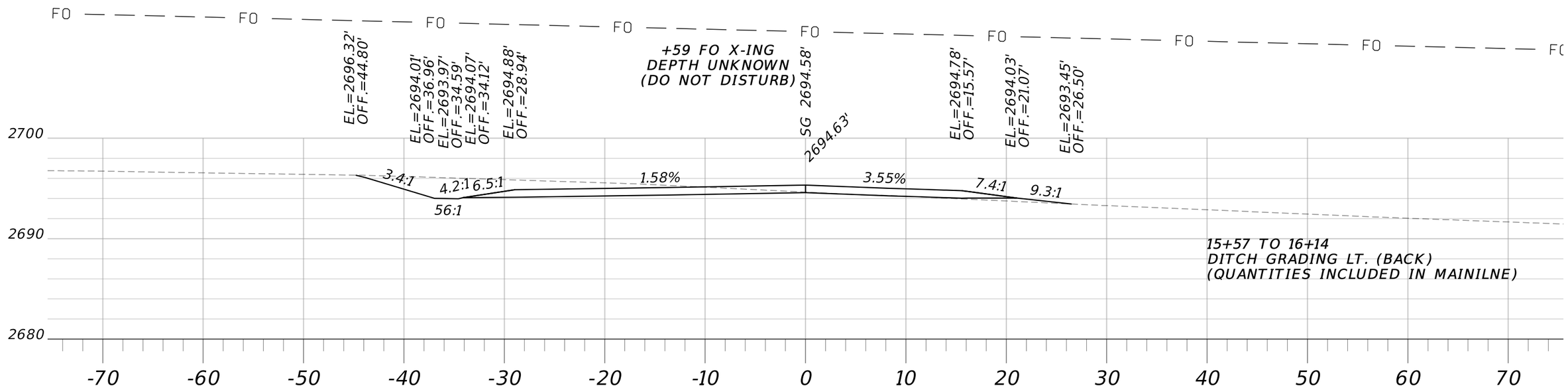

# Sta. 15+25.00 R1



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| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:30:37 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 22 |

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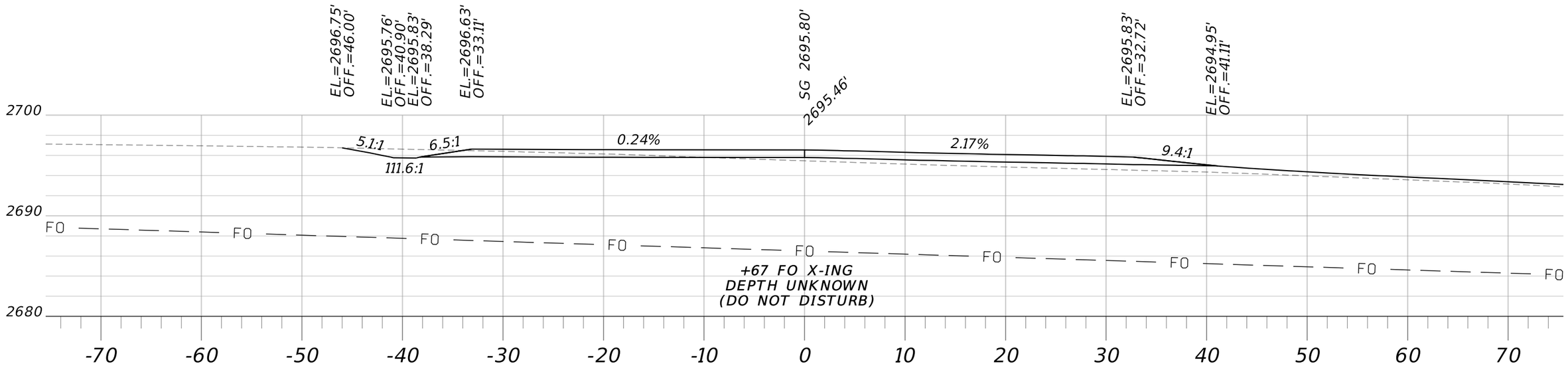

# Sta. 15+50.00 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay001.dgn | DESIGNED BY | T. DUTTON | 7/6/2021 | MAINLINE CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
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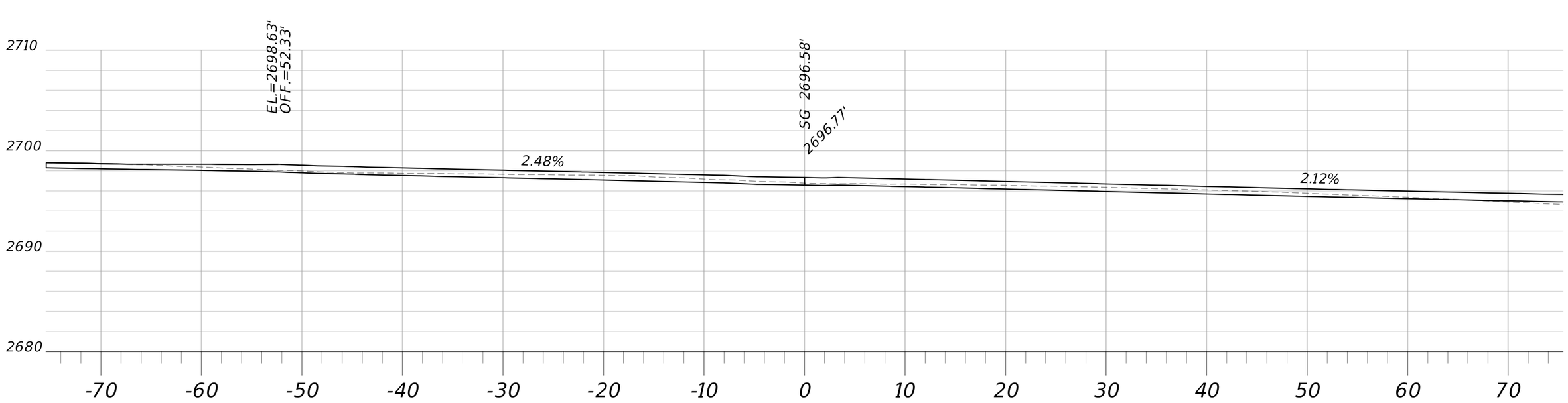

# Sta. 15+75.00 R1

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| | 5/12/2022 | REVIEWED BY | | | | | |
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# Sta. 16+00.00 R1

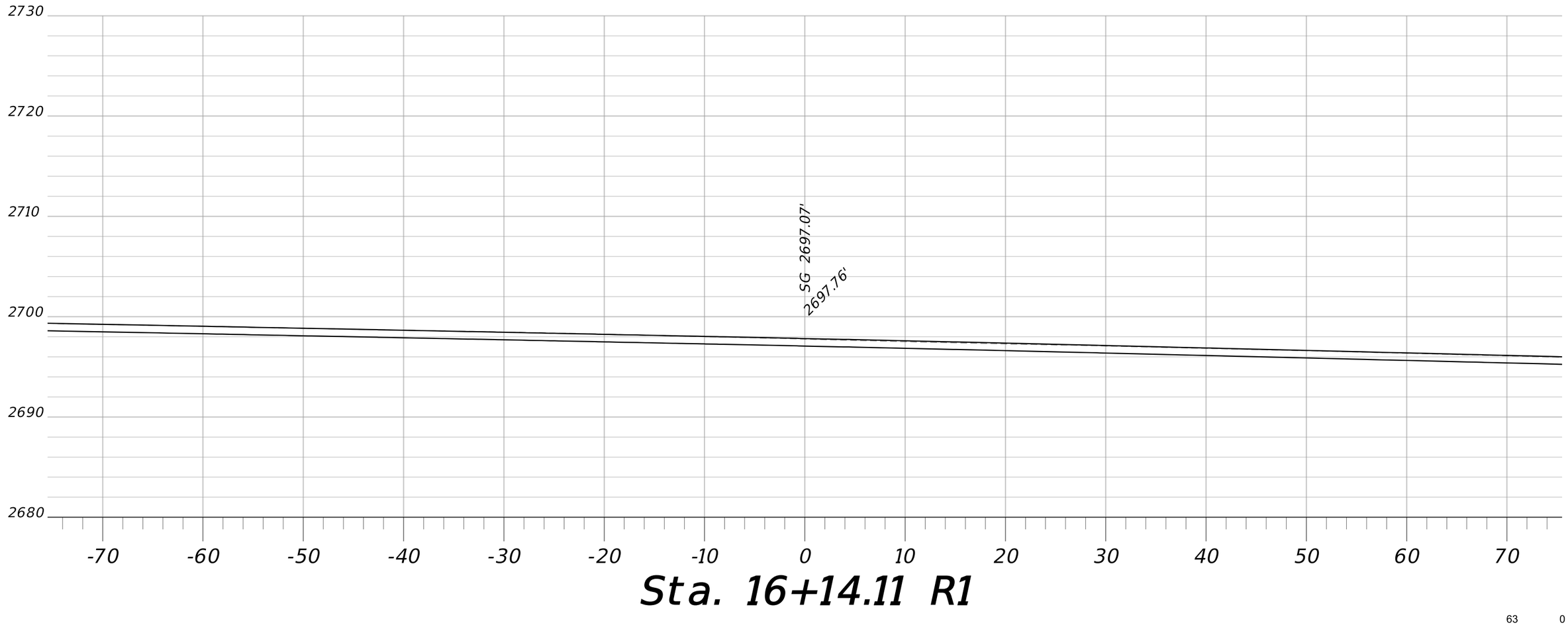
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| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:30:55 AM CPS – U3832 | CHECKED BY | | WIBAUX COUNTY | | UPN 9677000 | SHEET 25 |

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STA. 16+14.11
END HSIP 55(17)



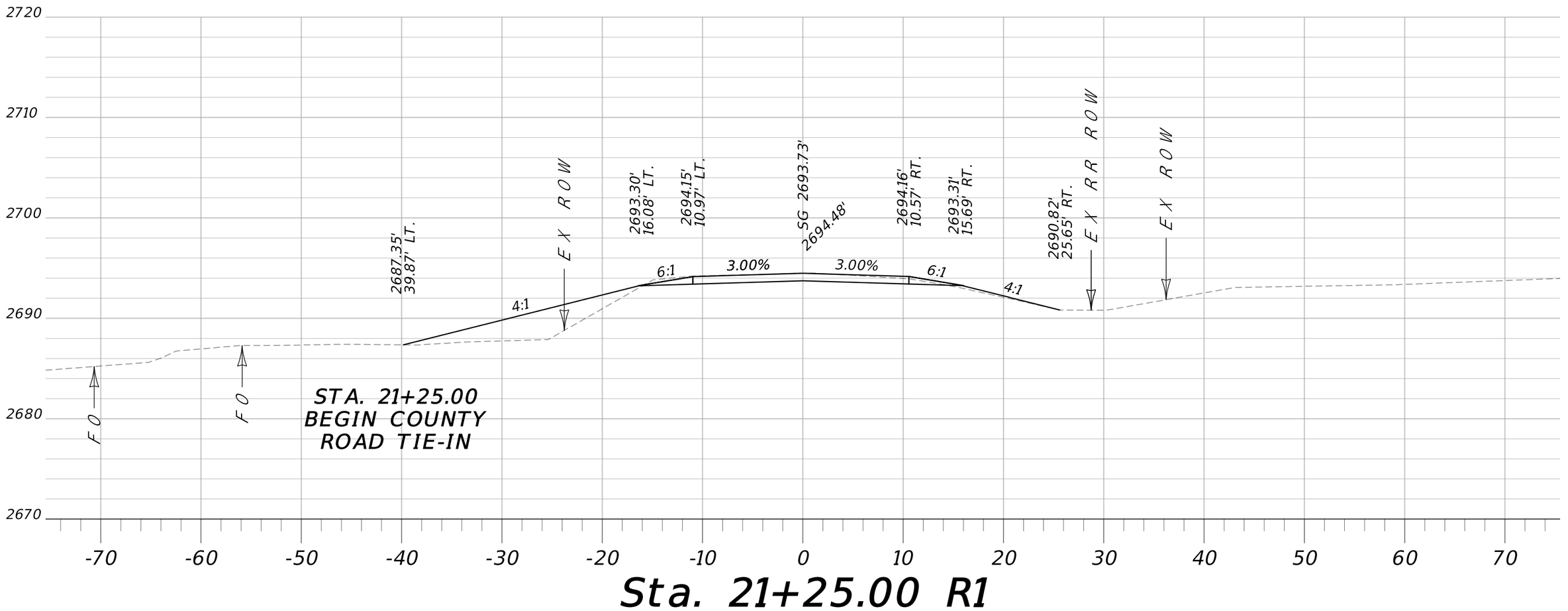

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| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:31:01 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 26 |

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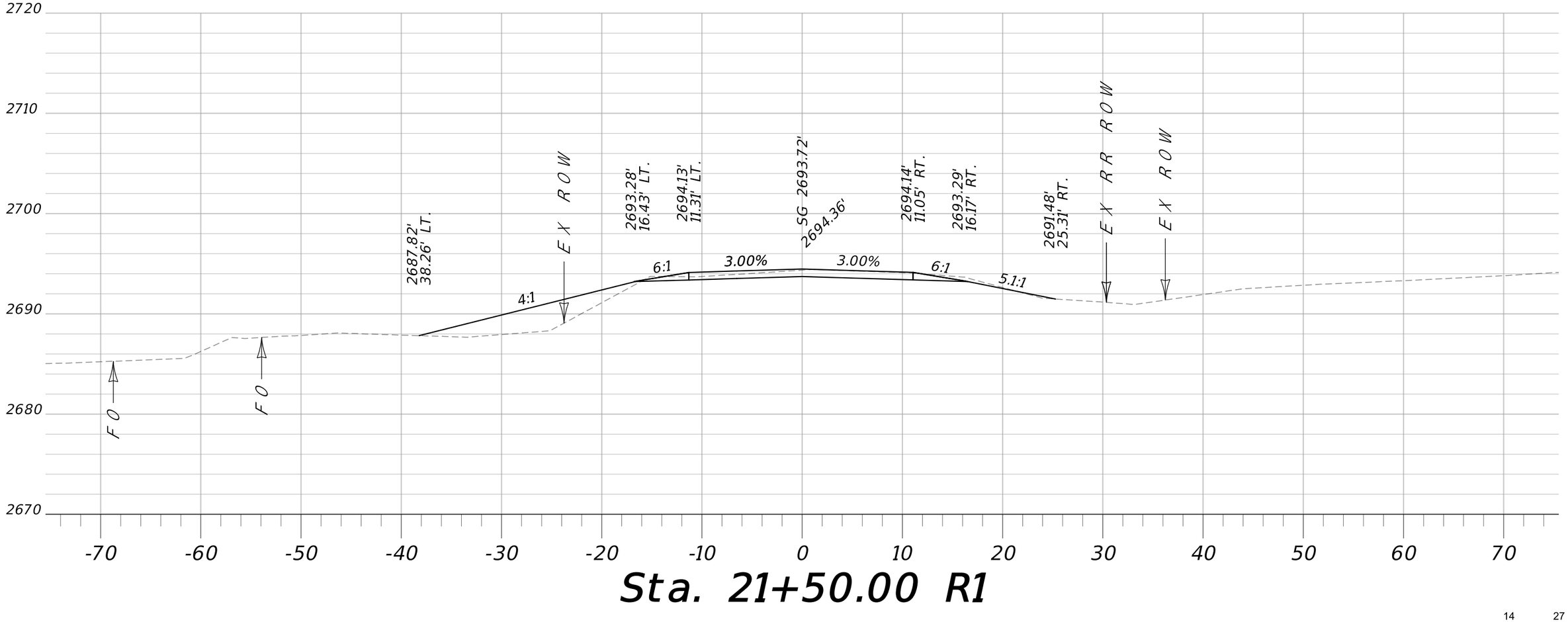

# Sta. 21+25.00 R1

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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 27 |
| | 7:31:16 AM CPS - U3832 | CHECKED BY | | | | | |

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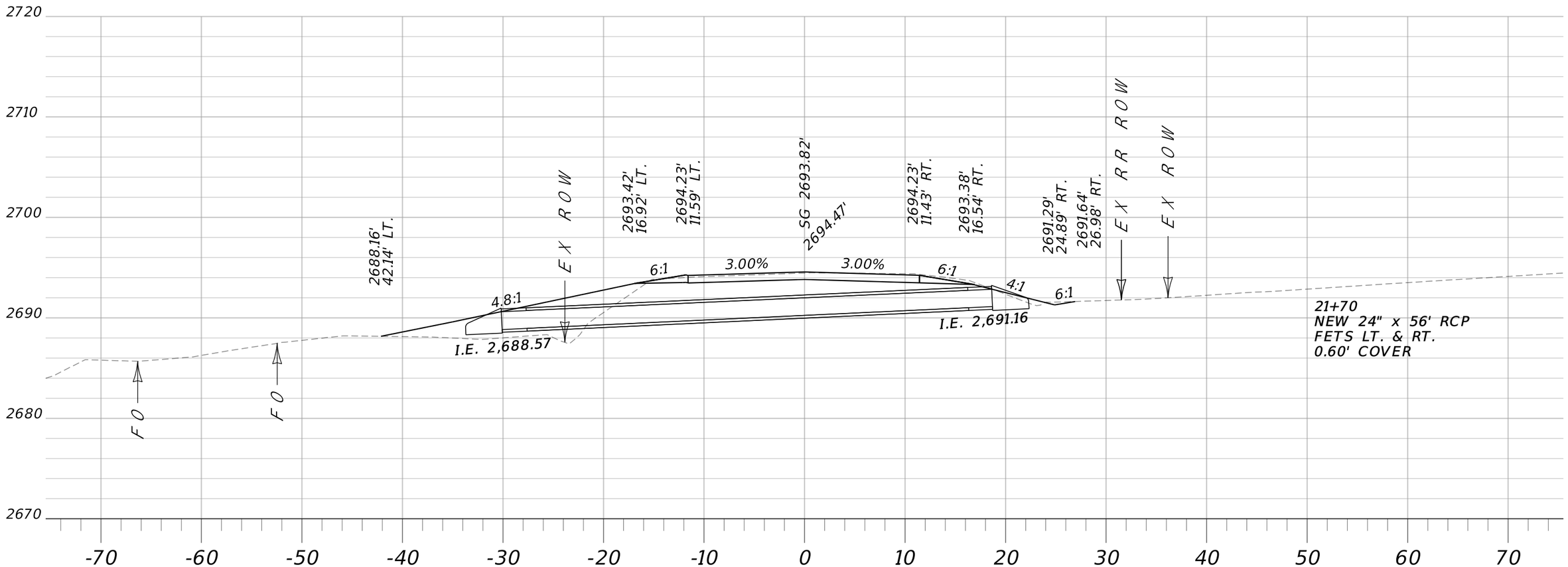

# Sta. 21+50.00 R1



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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:31:21 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 28 |

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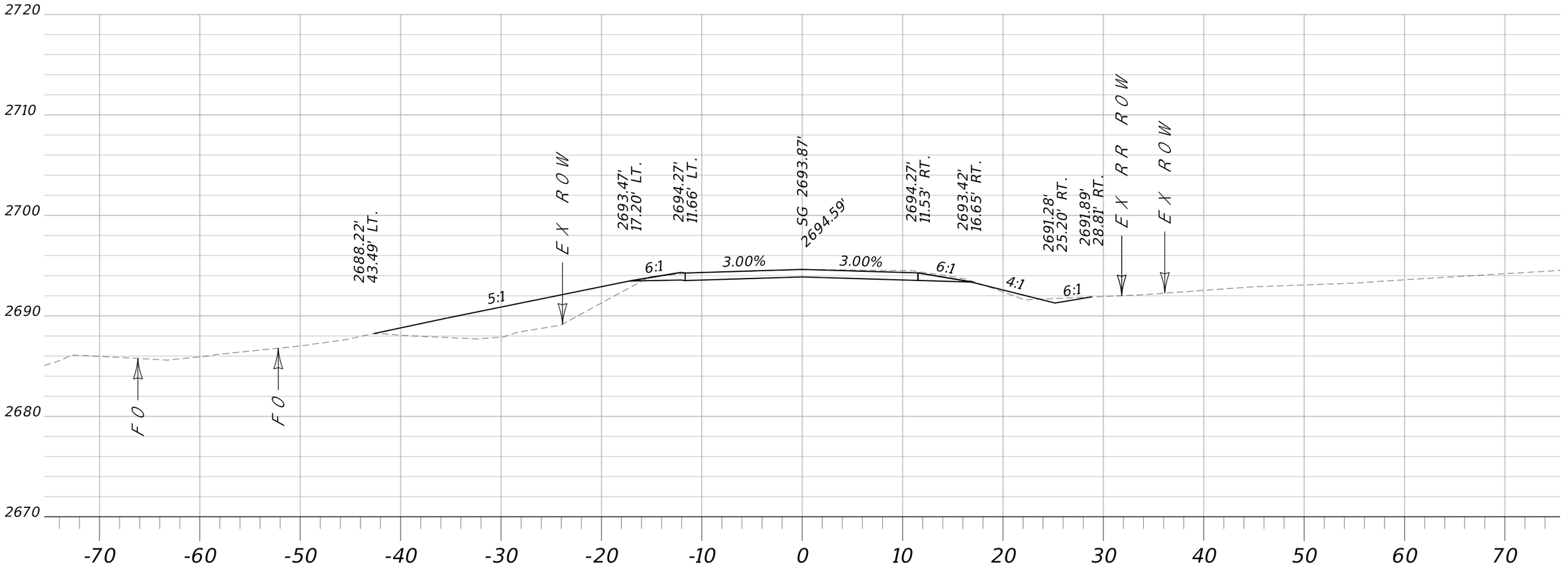



# Sta. 21+69.58 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:31:26 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 29 |

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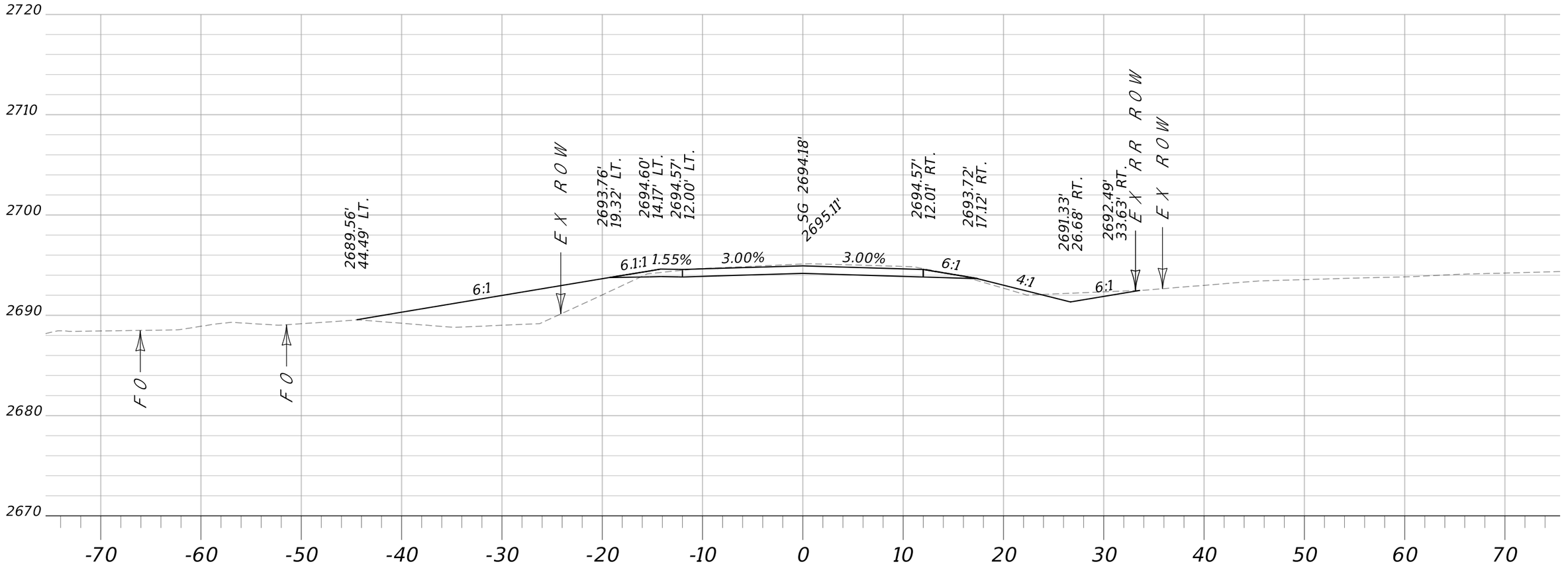

# Sta. 21+75.00 R1



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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:31:31 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 30 |

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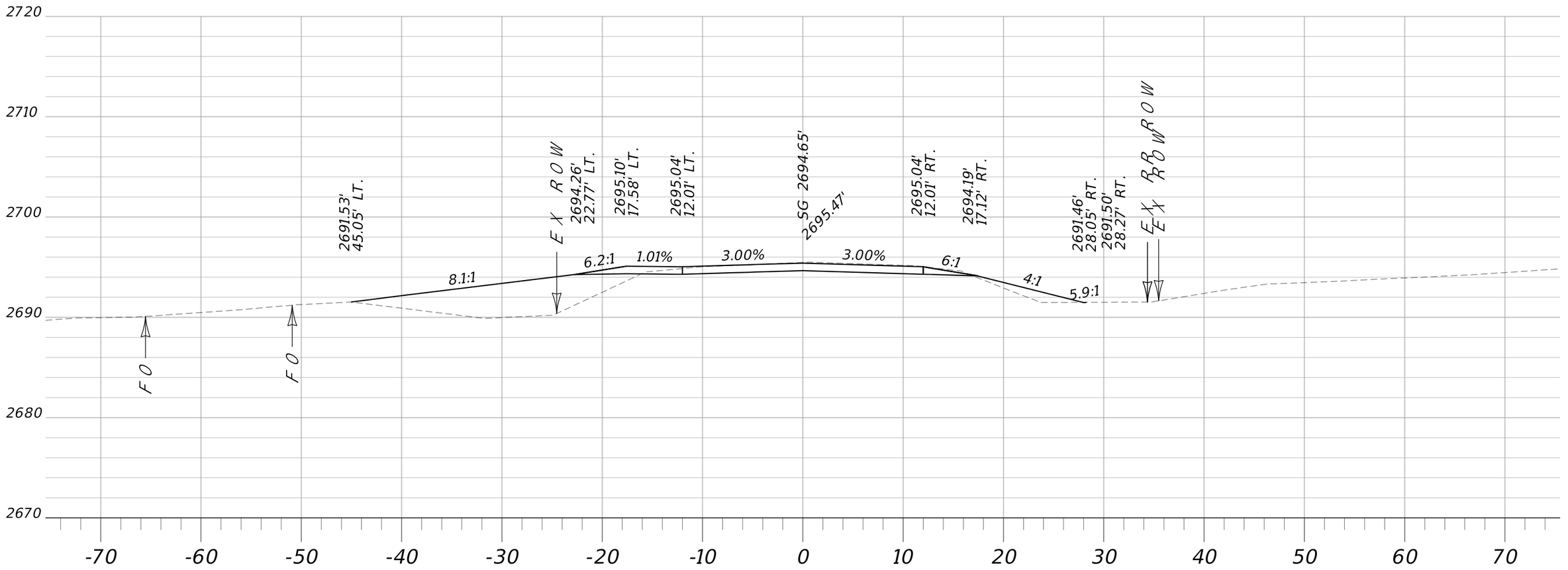

# Sta. 22+00.00 R1



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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:31:36 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 31 |

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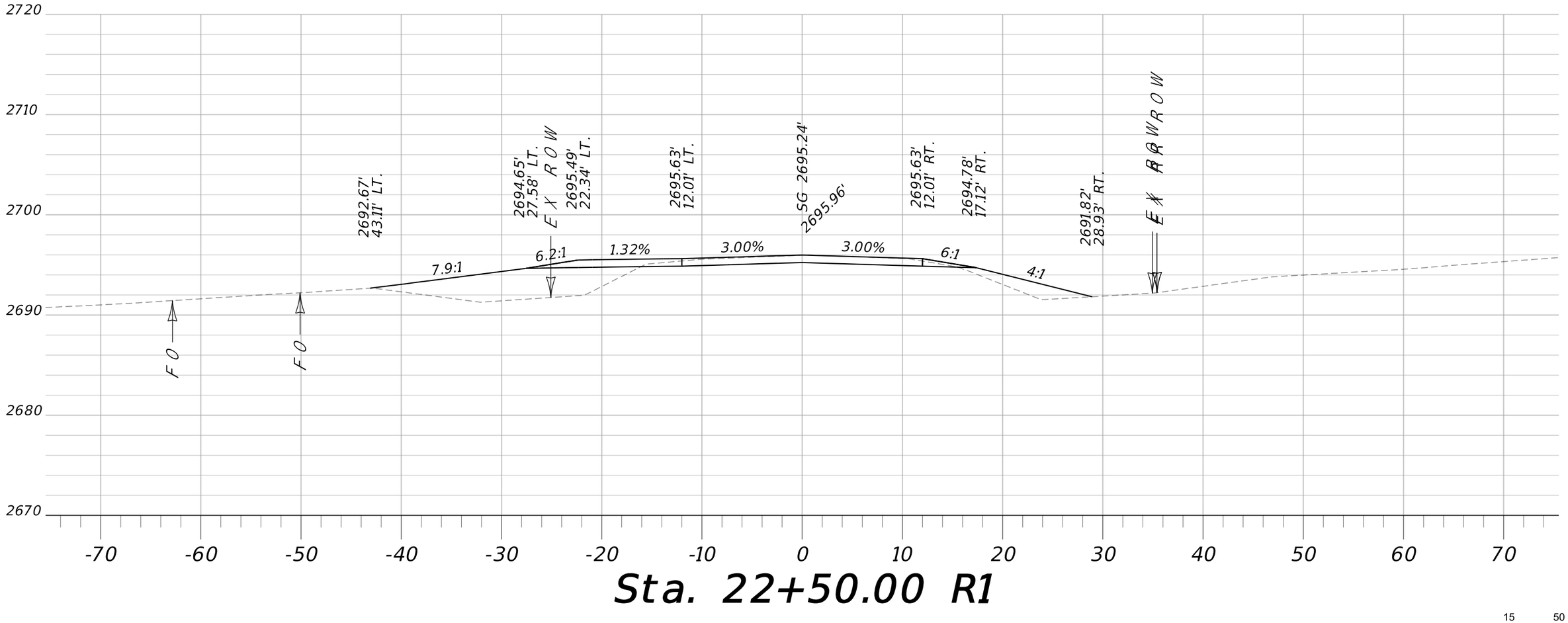

# Sta. 22+25.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:31:41 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 32 |

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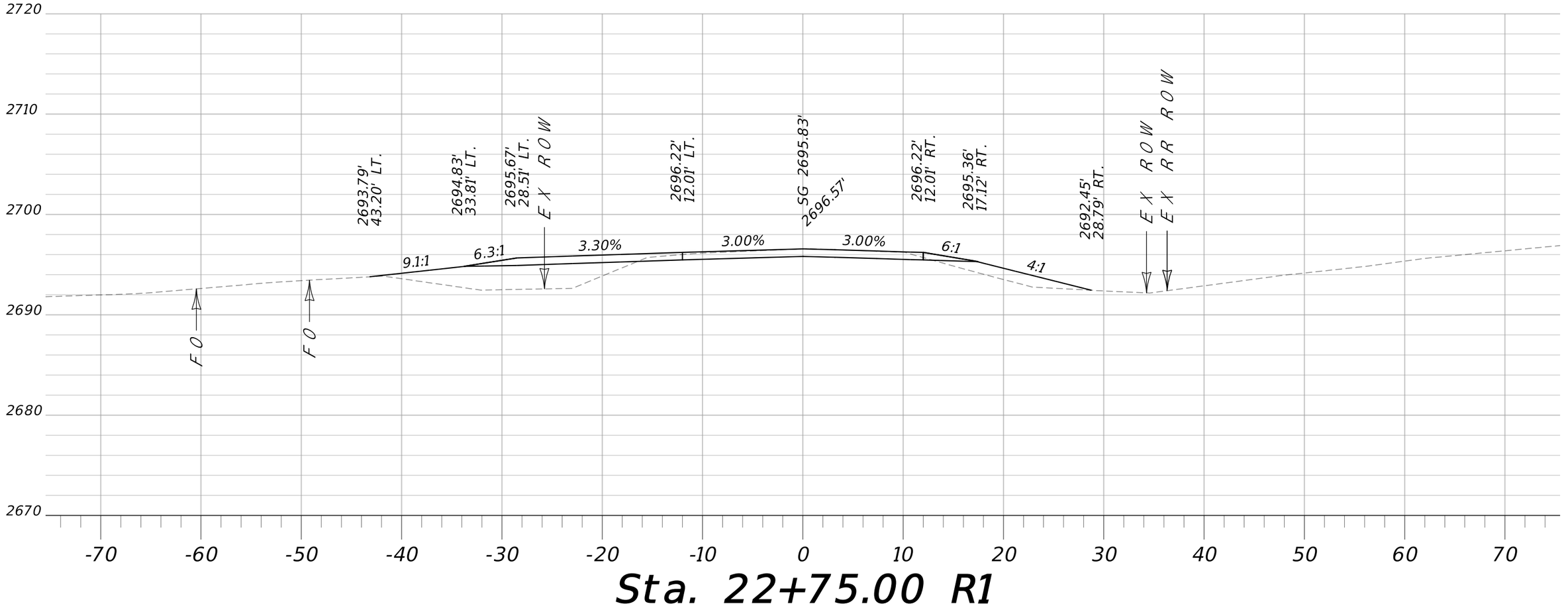





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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:31:46 AM CPS - U3832 | CHECKED BY | | WIBAUX COUNTY | | UPN 9677000 | SHEET 33 |

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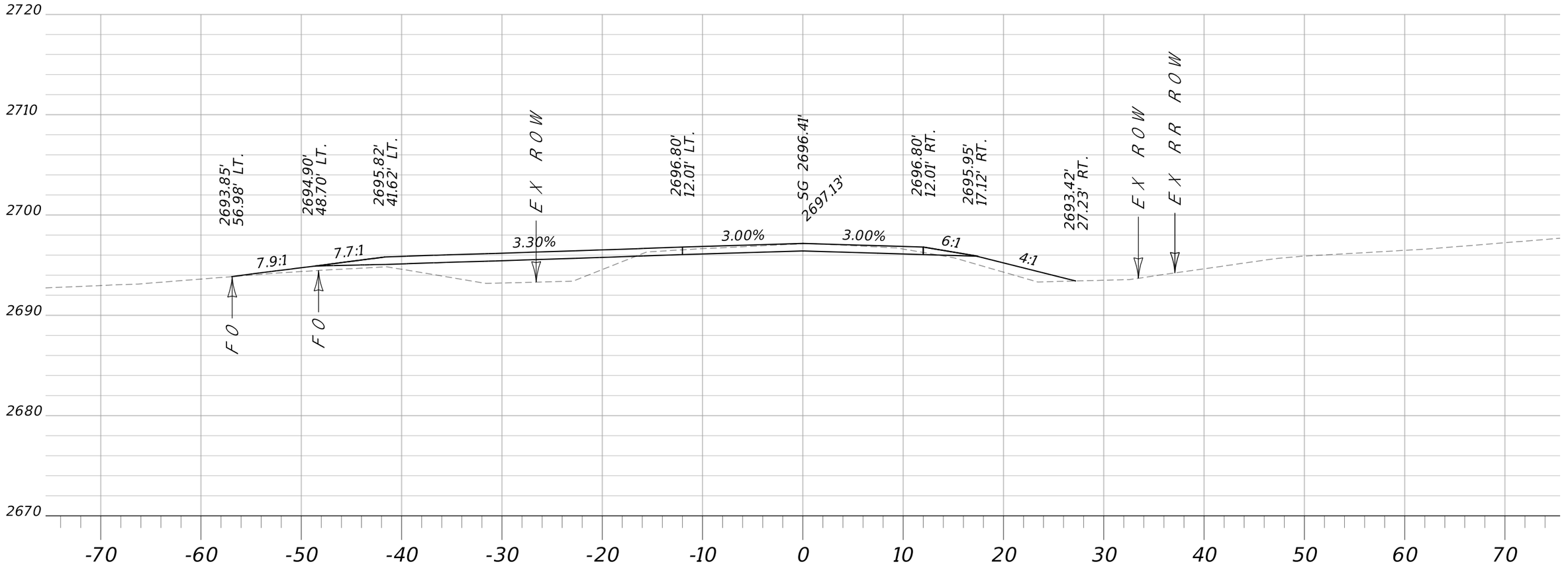

# Sta. 22+75.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:31:52 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 34 |

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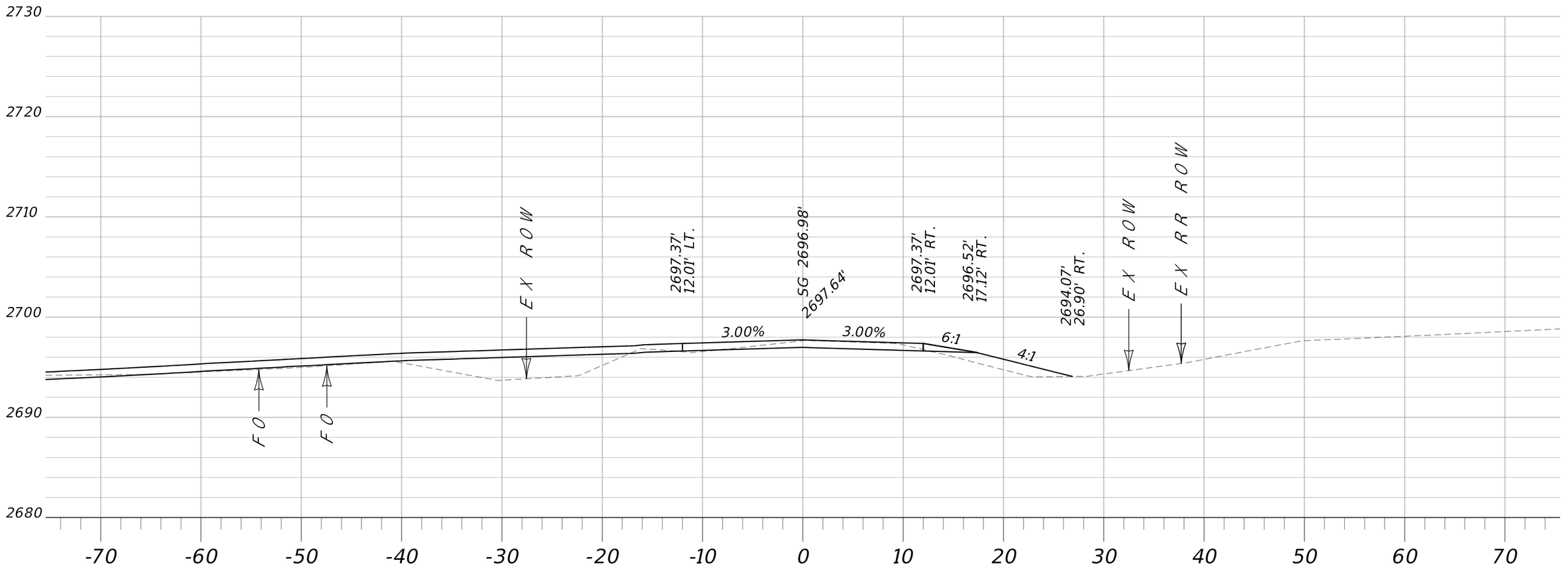

# Sta. 23+00.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:31:57 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 35 |

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# Sta. 23+25.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 36 |
| | 7:32:02 AM CPS - U3832 | CHECKED BY | | | | | |

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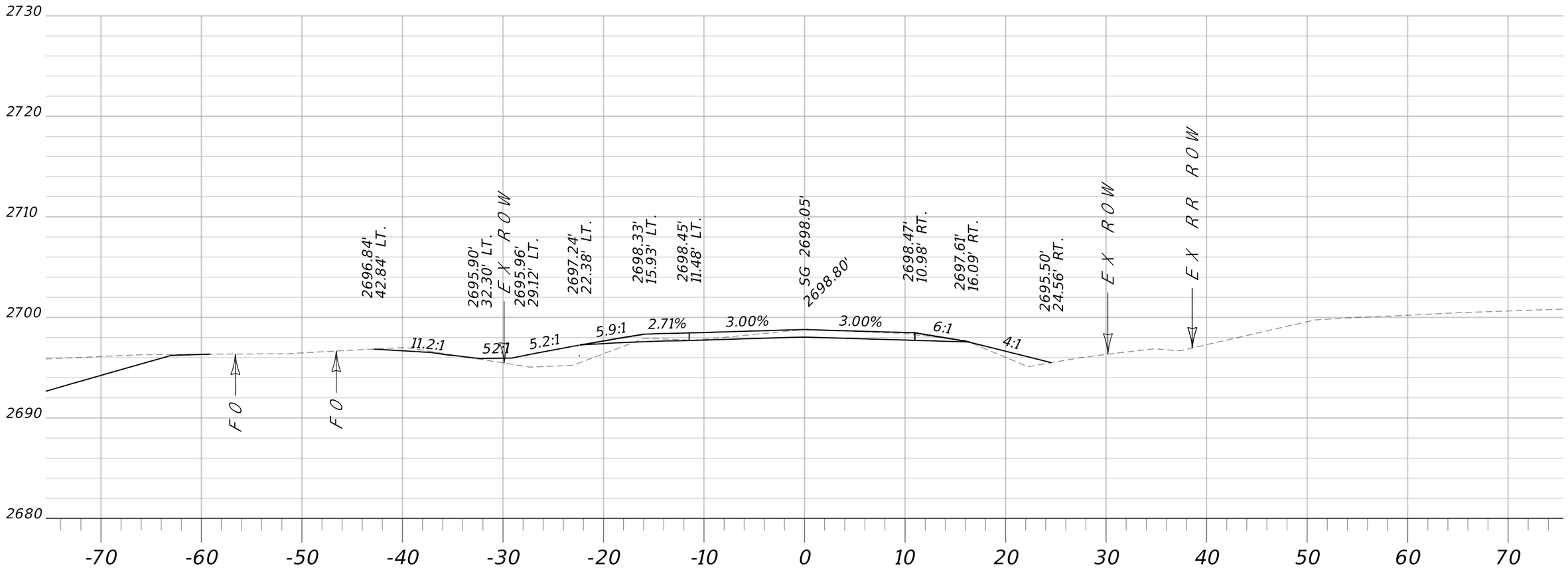

# Sta. 23+50.00 R1

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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:32:07 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 37 |

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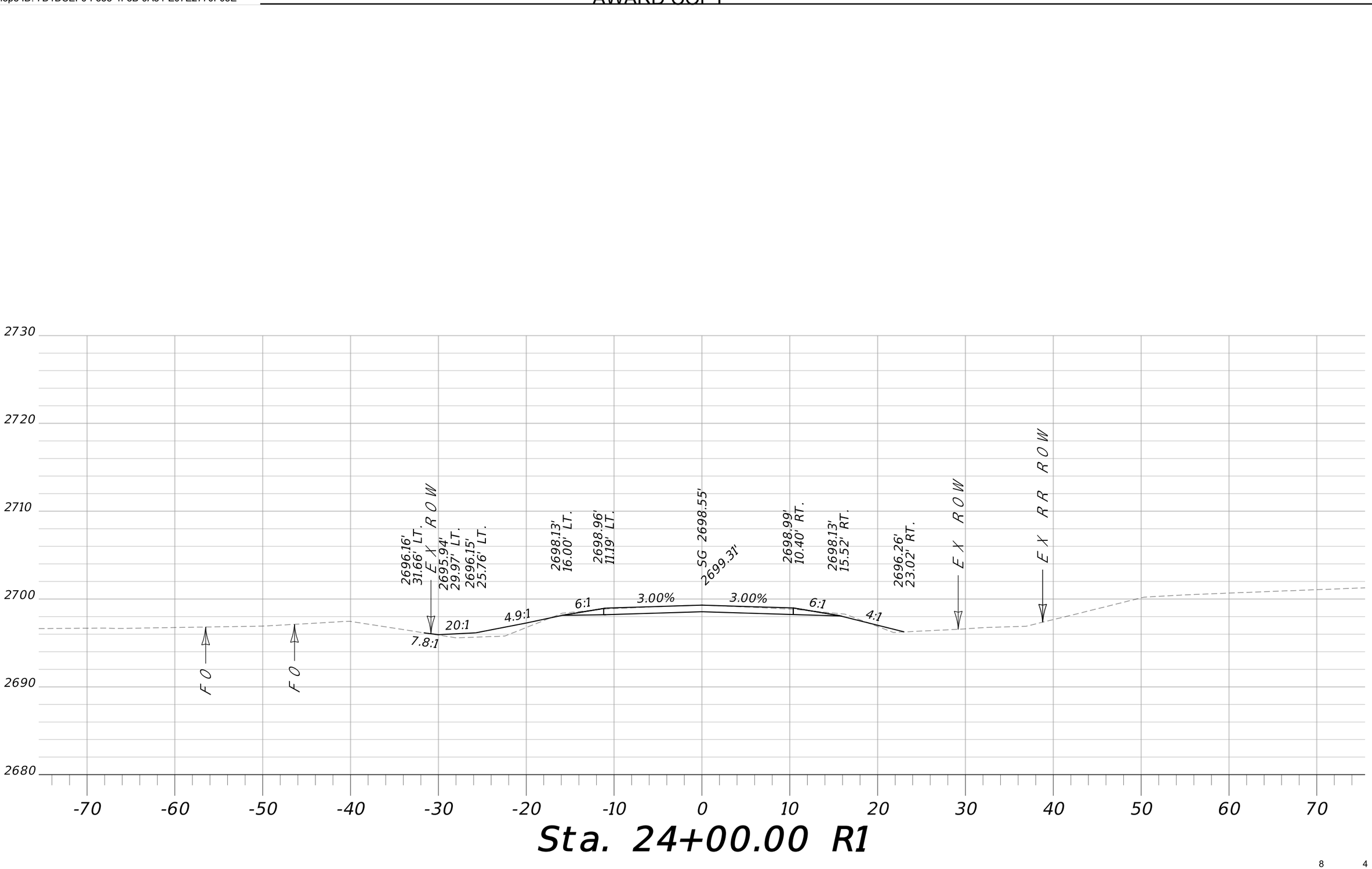

# Sta. 23+75.00 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:32:12 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 38 |

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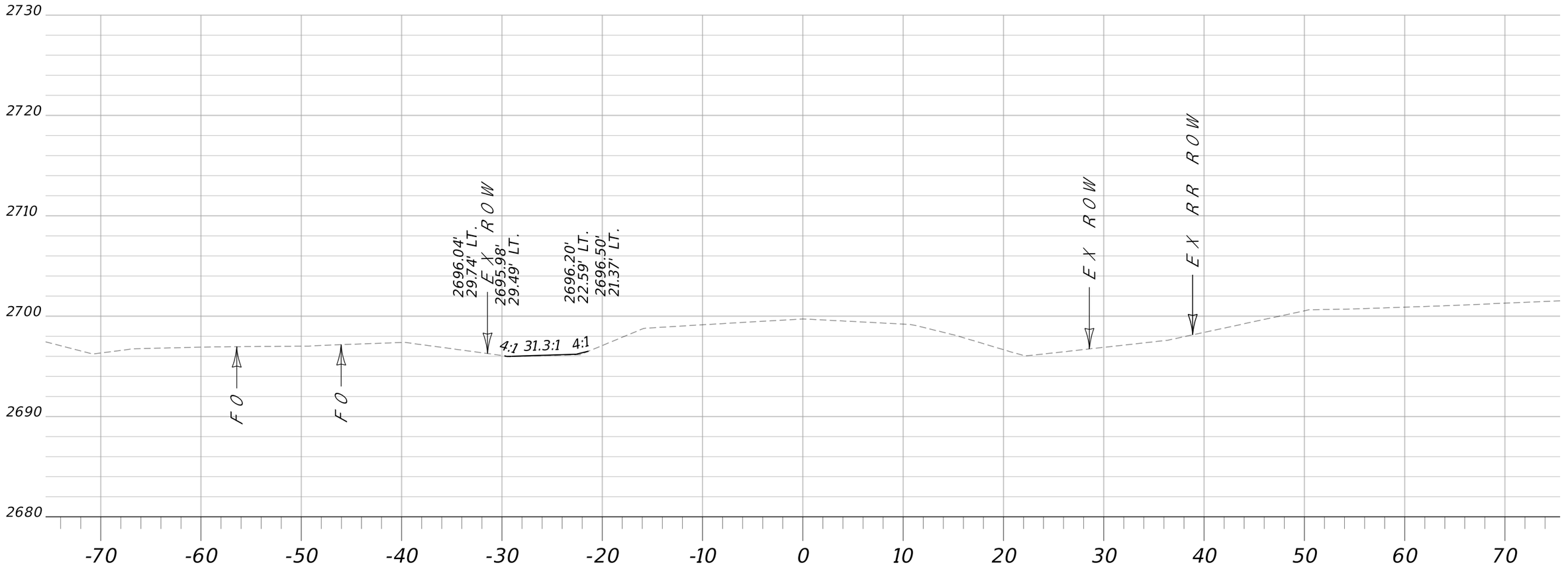

# Sta. 24+00.00 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:32:17 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 39 |

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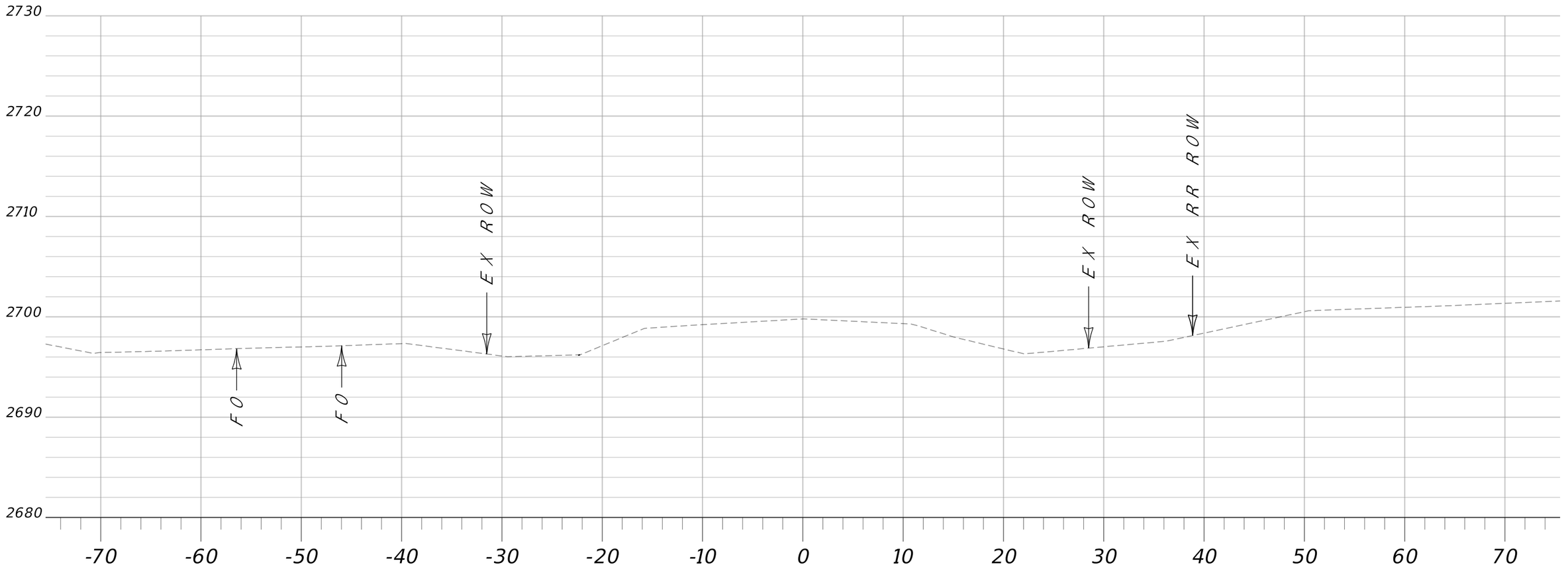

# Sta. 24+25.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:32:23 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 40 |

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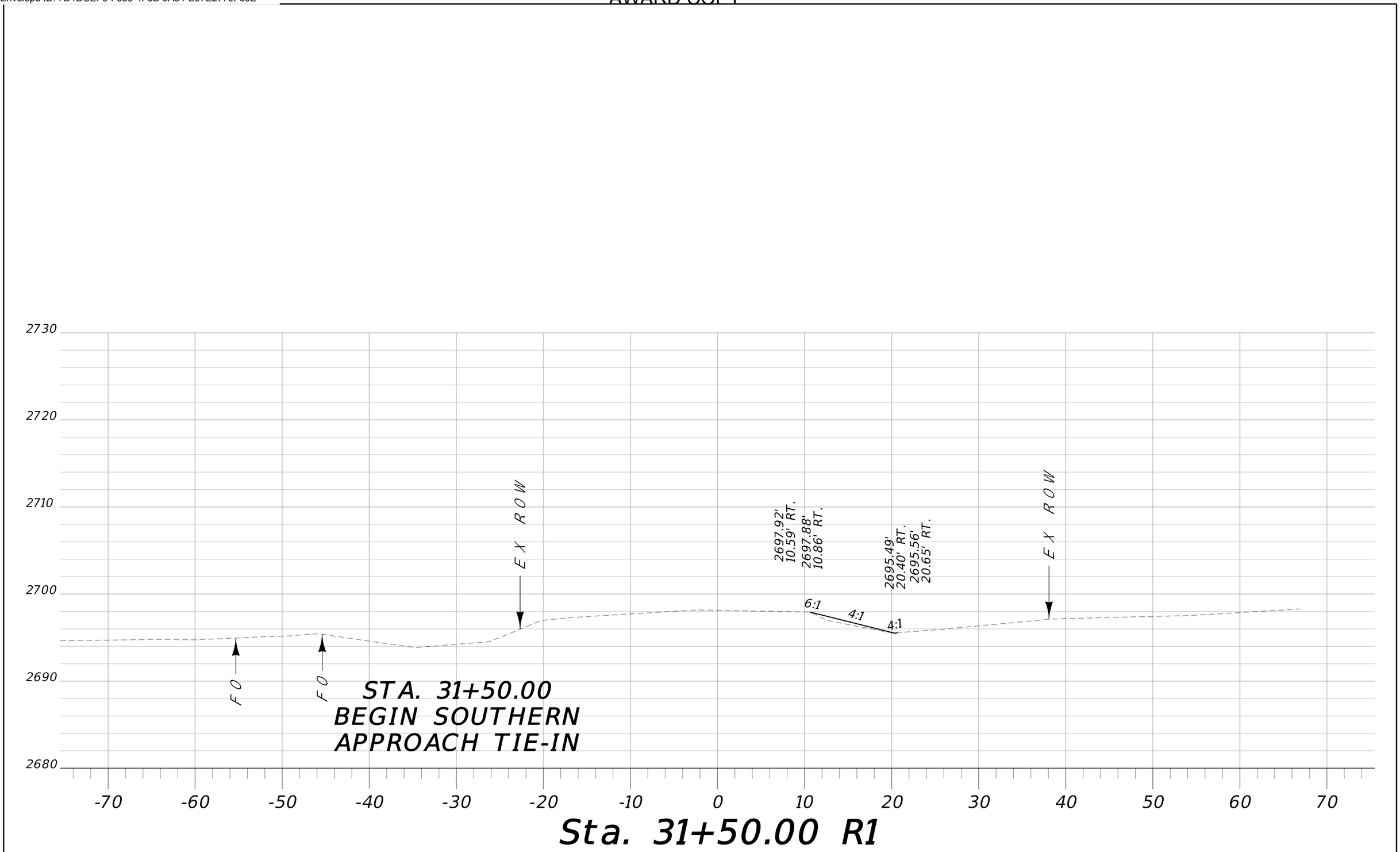



# Sta. 24+29.99 R1

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| MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay002.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:32:28 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 41 |

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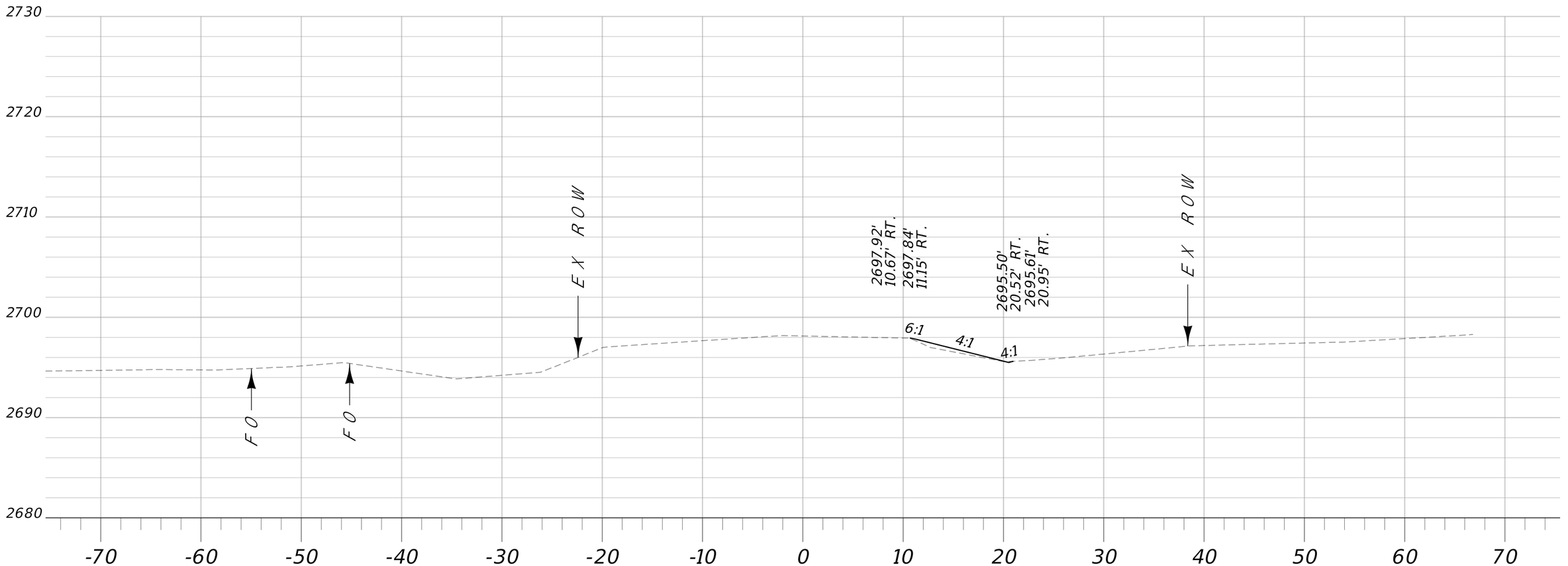



Sta. 31+50.00 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn<br>5/12/2022<br>7:32:44 AM CPS - U3832 | DESIGNED BY<br>REVIEWED BY<br>CHECKED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS<br>WIBAUX COUNTY | | SF 189 WIBAUX RR XING RELOCATE<br>UPN 9677000 | HSIP 55(17)<br>SHEET 42 |

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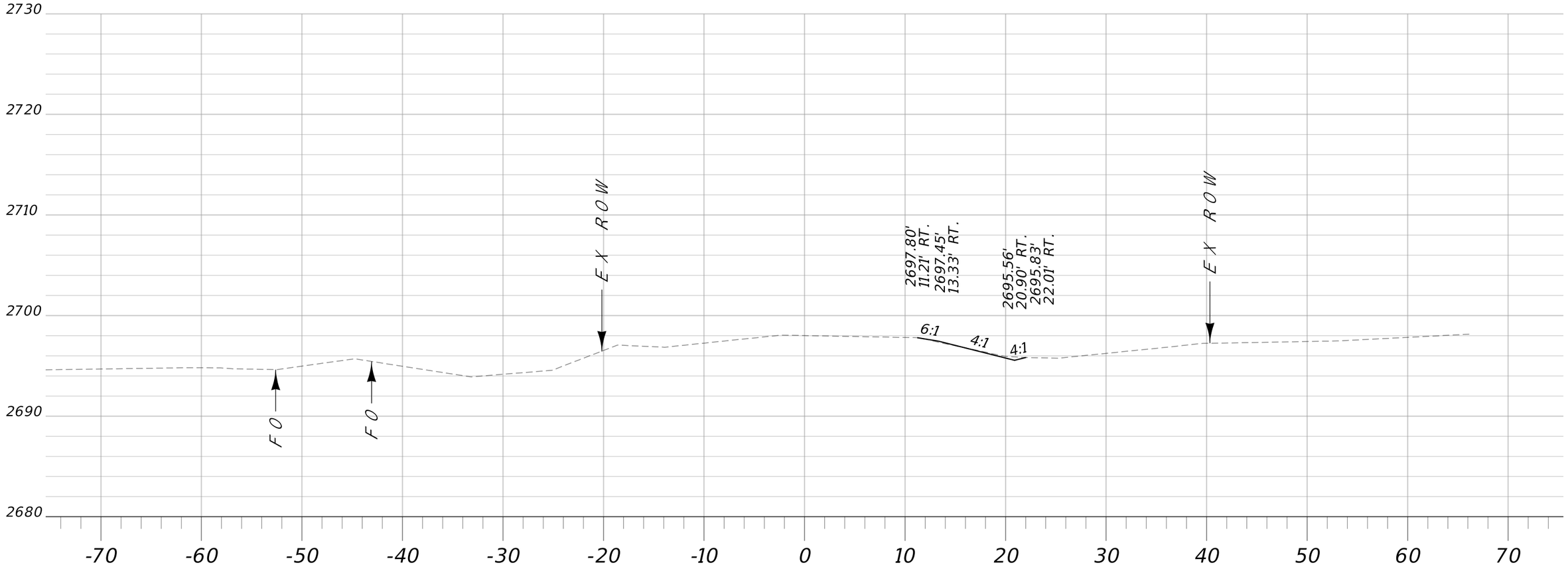



# Sta. 31+51.77 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:32:49 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 43 |

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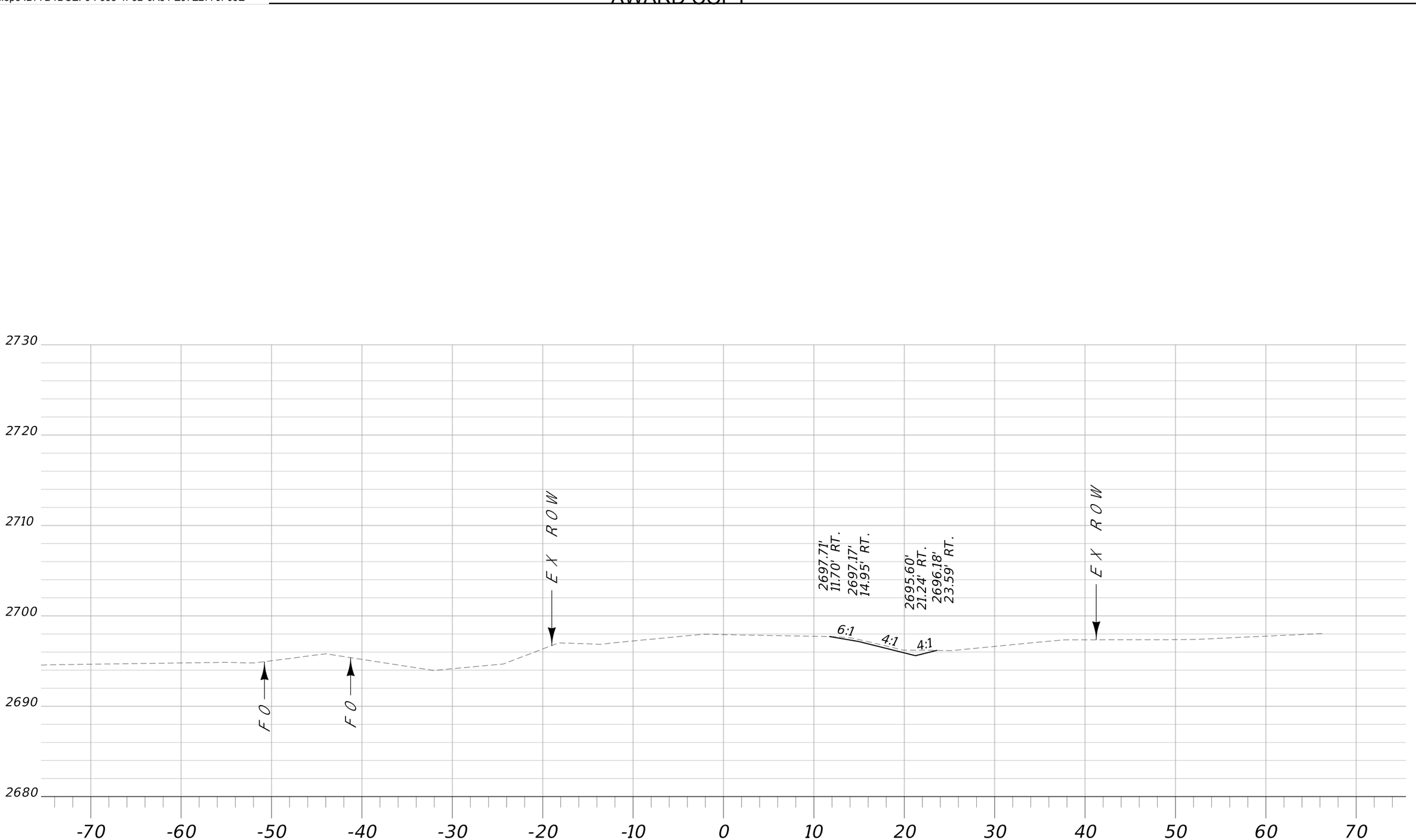



# Sta. 31+65.49 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:32:55 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 44 |

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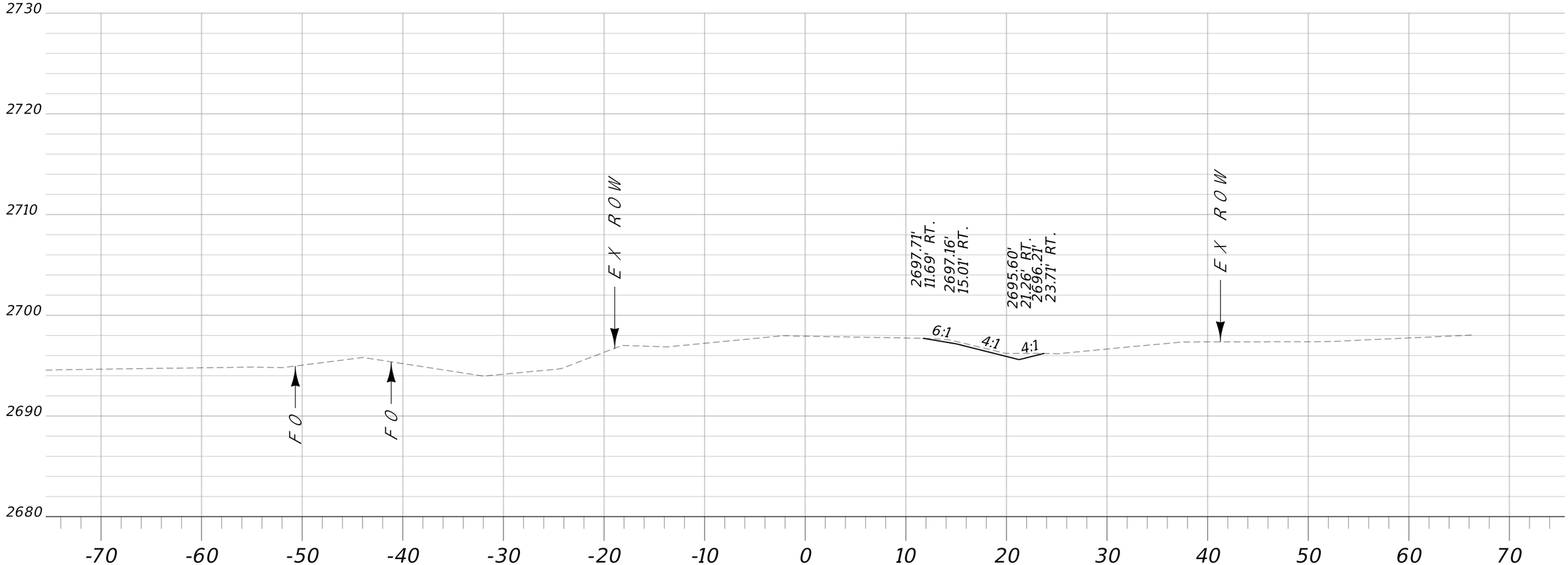



# Sta. 31+75.00 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:33:01 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 45 |

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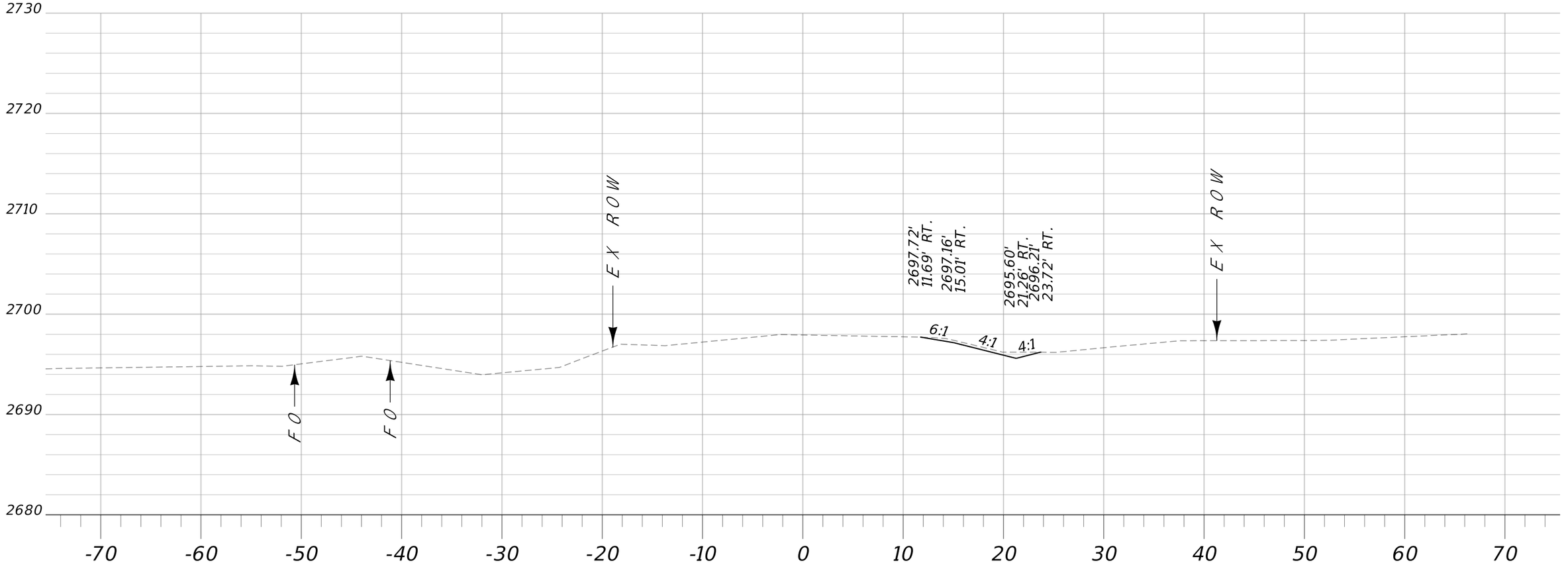



# Sta. 31+75.50 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:33:07 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 46 |

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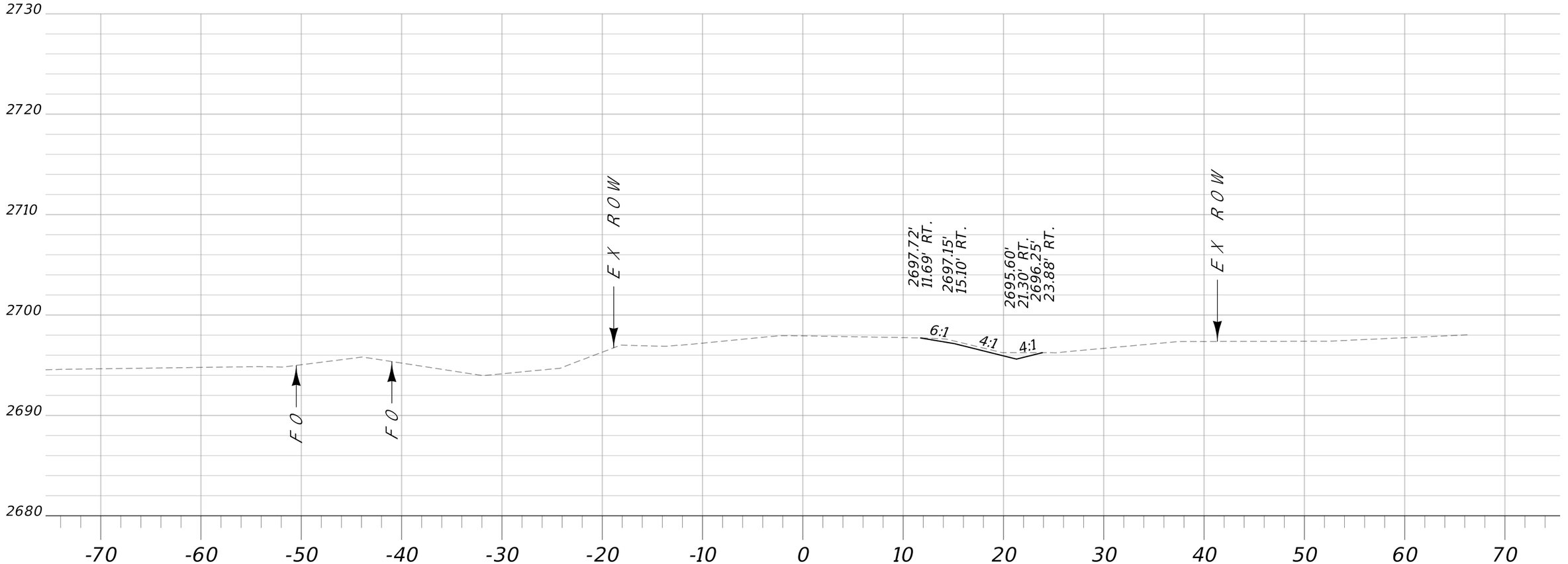



# Sta. 31+75.55 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:33:12 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 47 |

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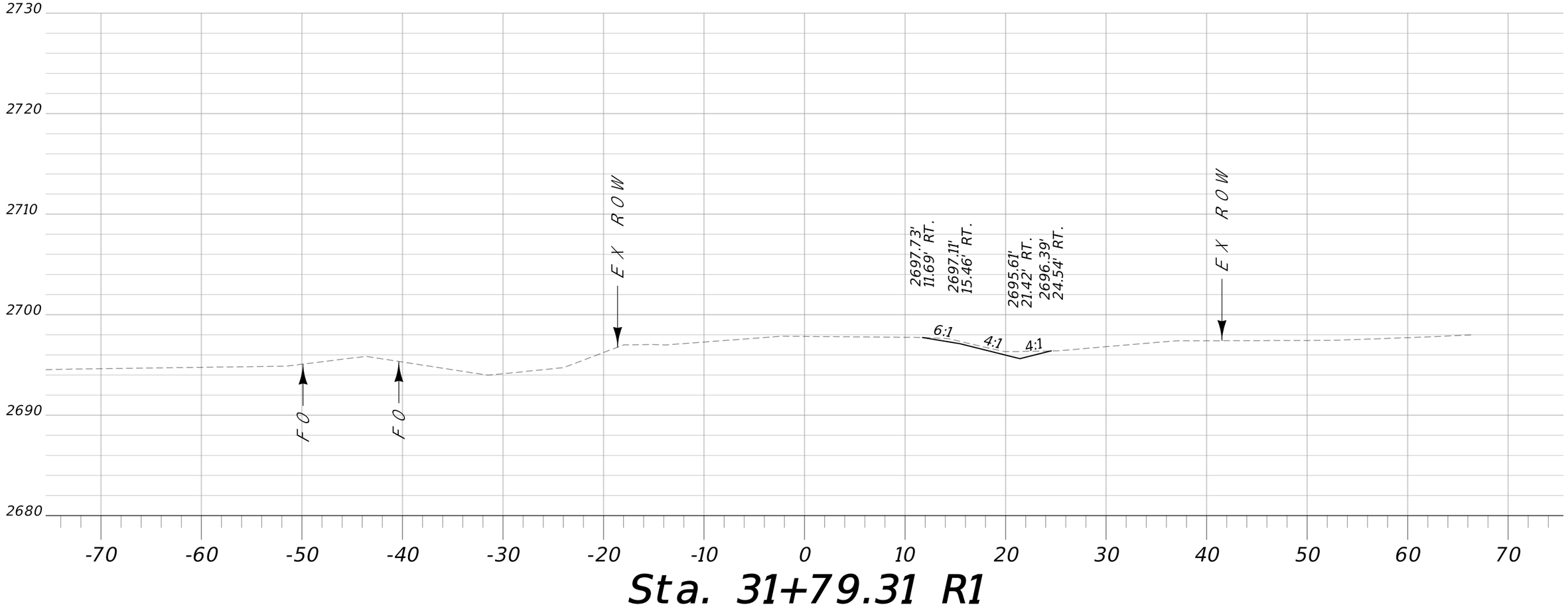



# Sta. 31+76.34 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:33:18 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 48 |

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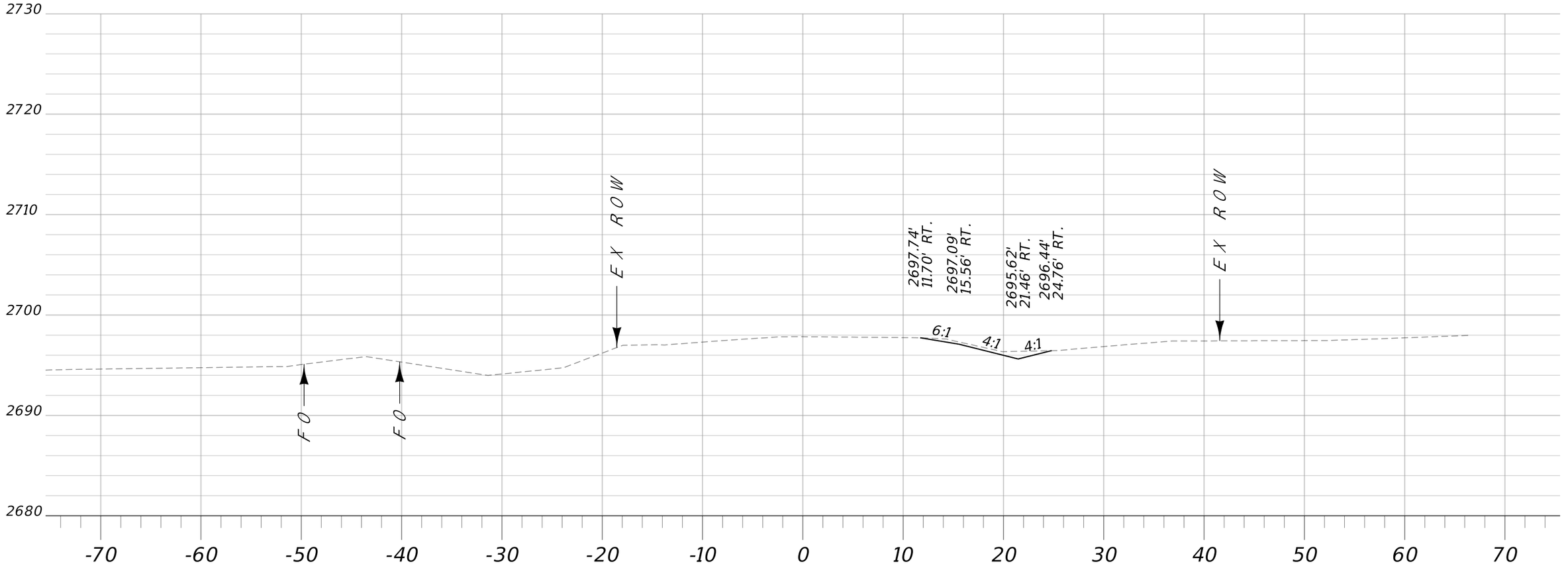



# Sta. 31+79.31 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:33:24 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 49 |

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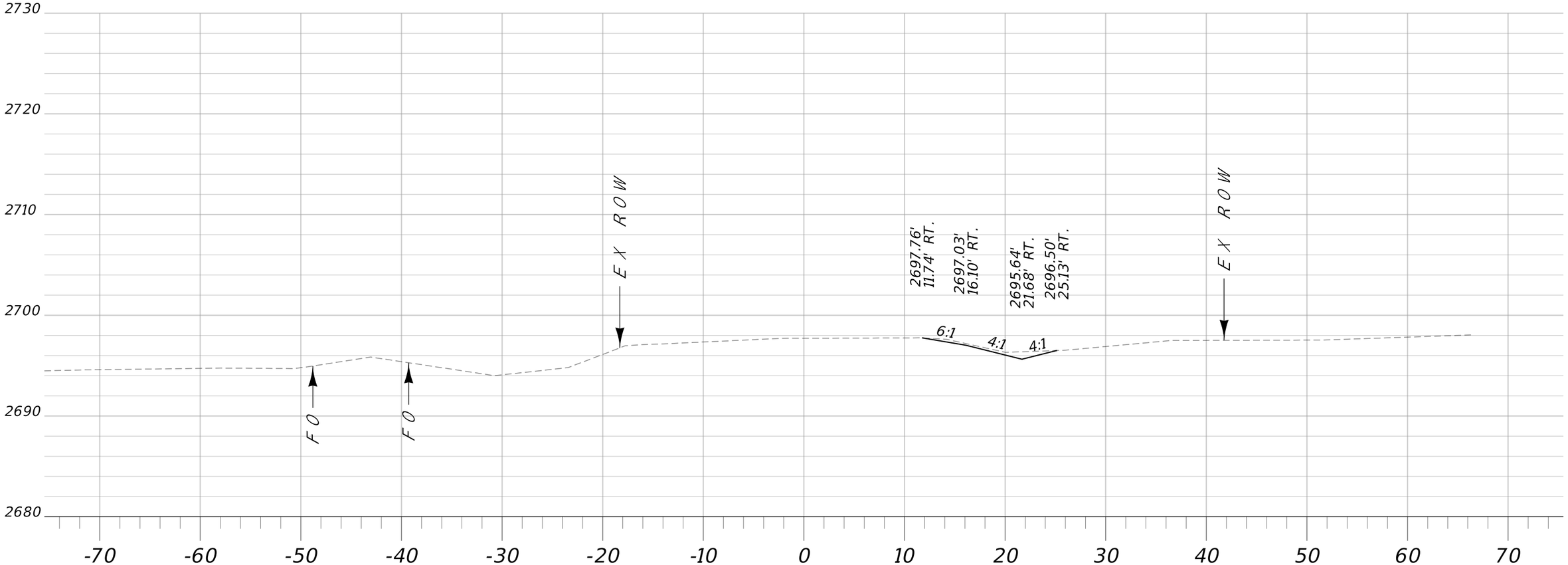



# Sta. 31+80.09 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:33:29 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 50 |

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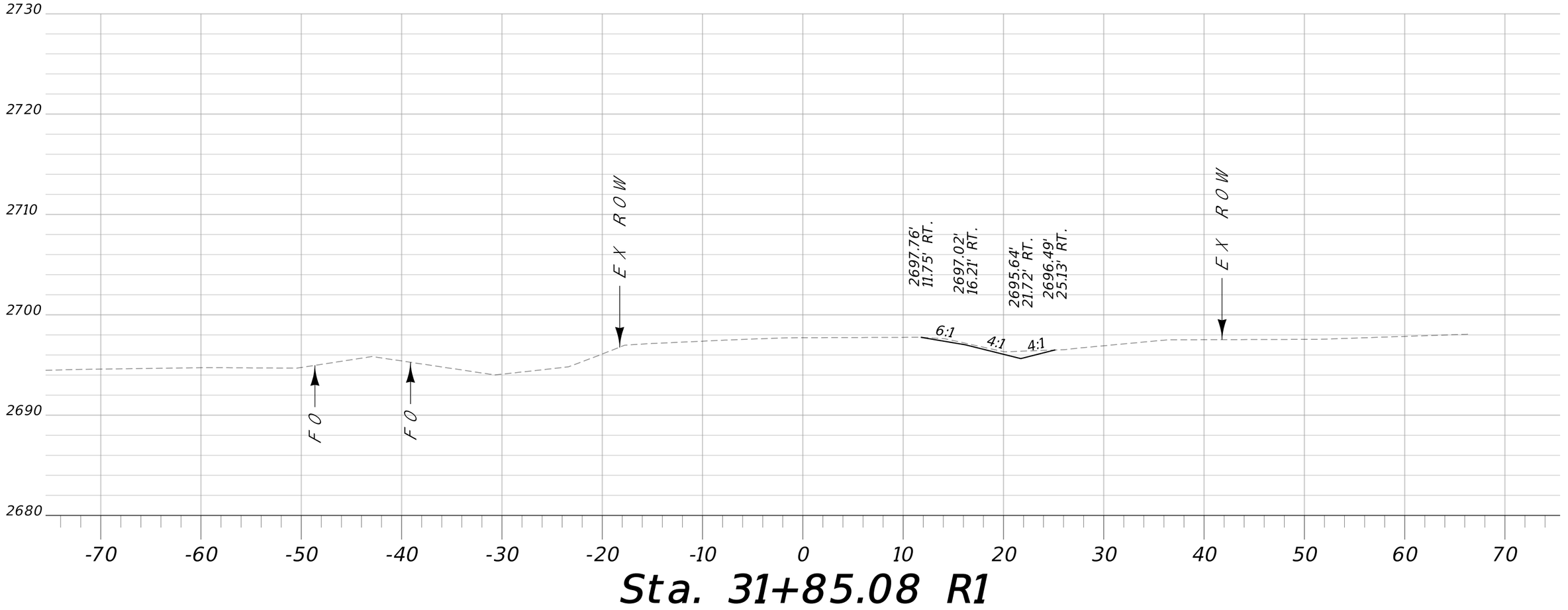



# Sta. 31+84.31 R1

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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn<br>5/12/2022<br>7:33:35 AM CPS - U3832 | DESIGNED BY<br>REVIEWED BY<br>CHECKED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS<br>WIBAUX COUNTY | | SF 189 WIBAUX RR XING RELOCATE<br>UPN 9677000 | HSIP 55(17)<br>SHEET 51 |

DocuSign Envelope ID: 7D1DCEF6-F338-4F3B-9A84-E97E2770F05E

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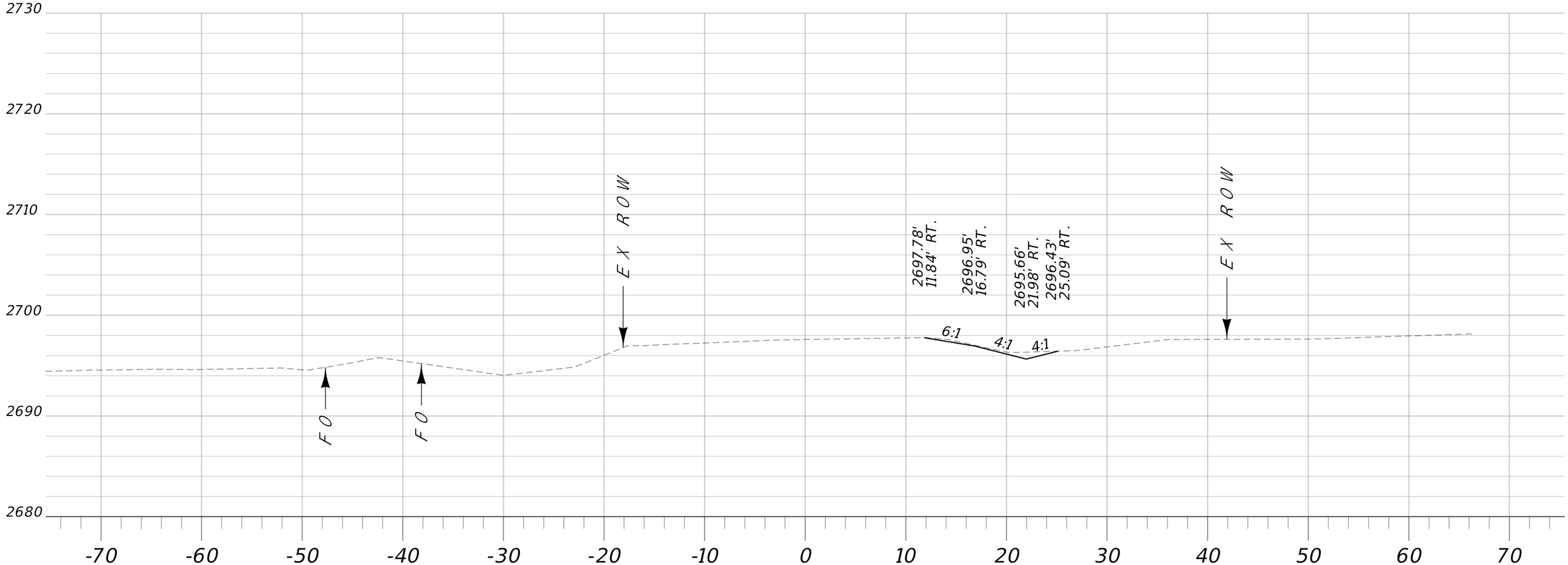



# Sta. 31+85.08 R1

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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn<br>5/12/2022<br>7:33:40 AM CPS - U3832 | DESIGNED BY<br>REVIEWED BY<br>CHECKED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS<br>WIBAUX COUNTY | | SF 189 WIBAUX RR XING RELOCATE<br>UPN 9677000 | HSIP 55(17)<br>SHEET 52 |

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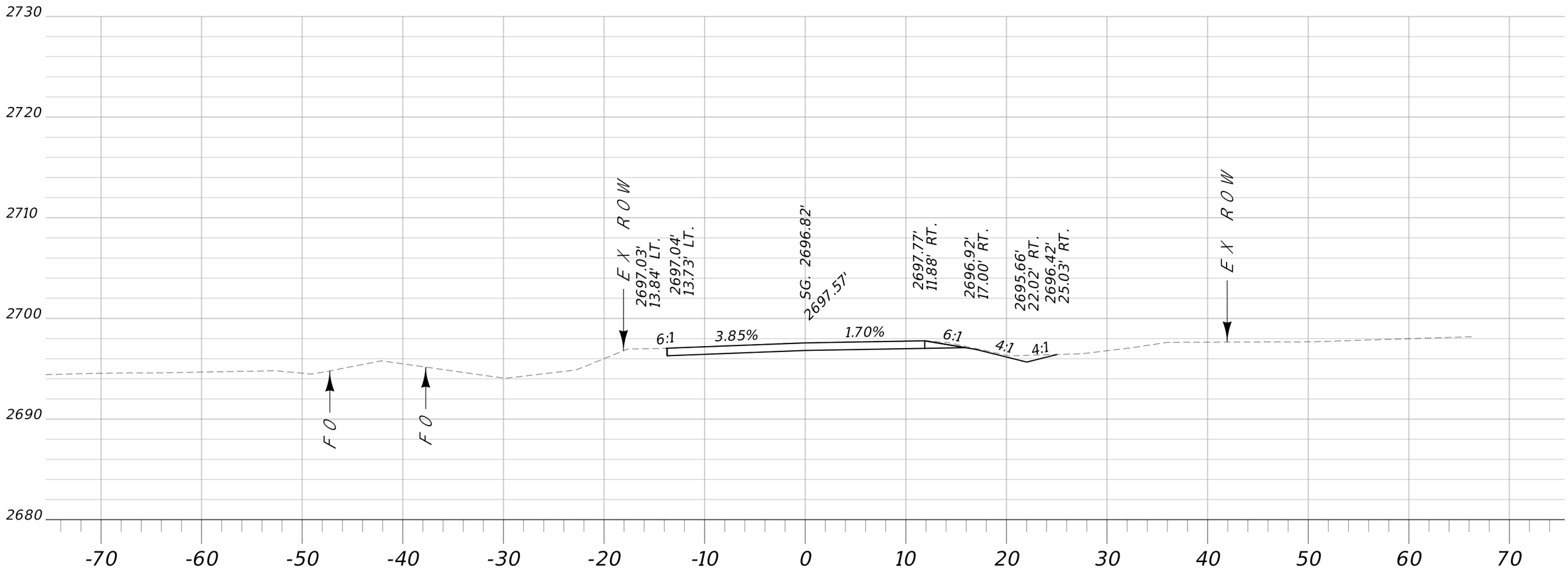



# Sta. 31+89.31 R1

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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:33:46 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 53 |

DocuSign Envelope ID: 7D1DCEF6-F338-4F3B-9A84-E97E2770F05E

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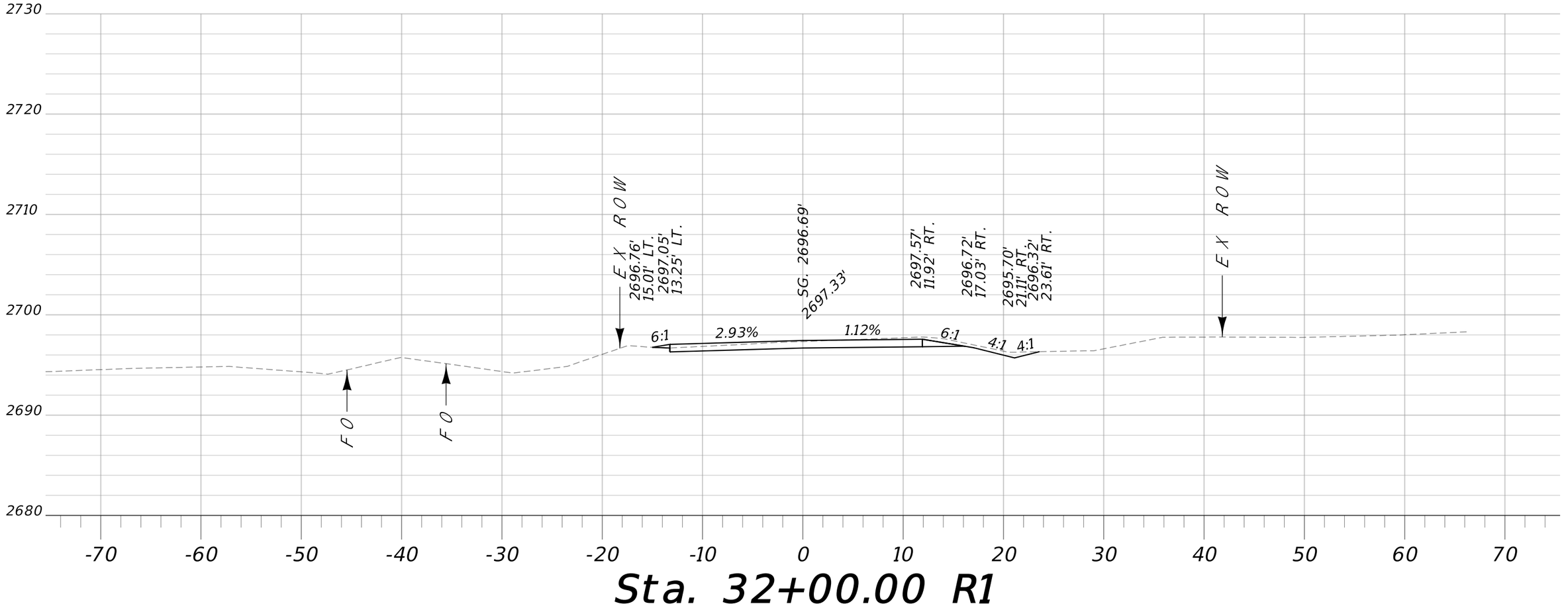



# Sta. 31+91.11 R1

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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 54 |
| | 7:33:52 AM CPS - U3832 | CHECKED BY | | | | | |

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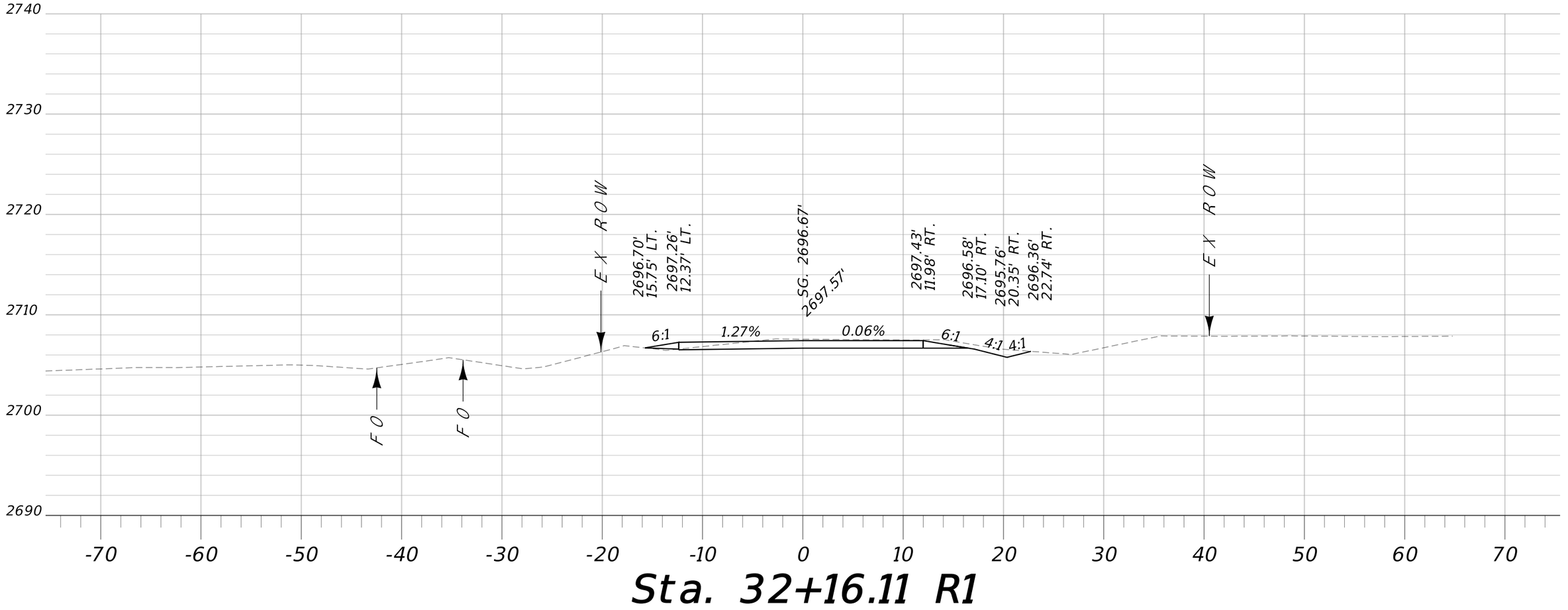



# Sta. 32+00.00 R1

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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:33:57 AM CPS – U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 55 |

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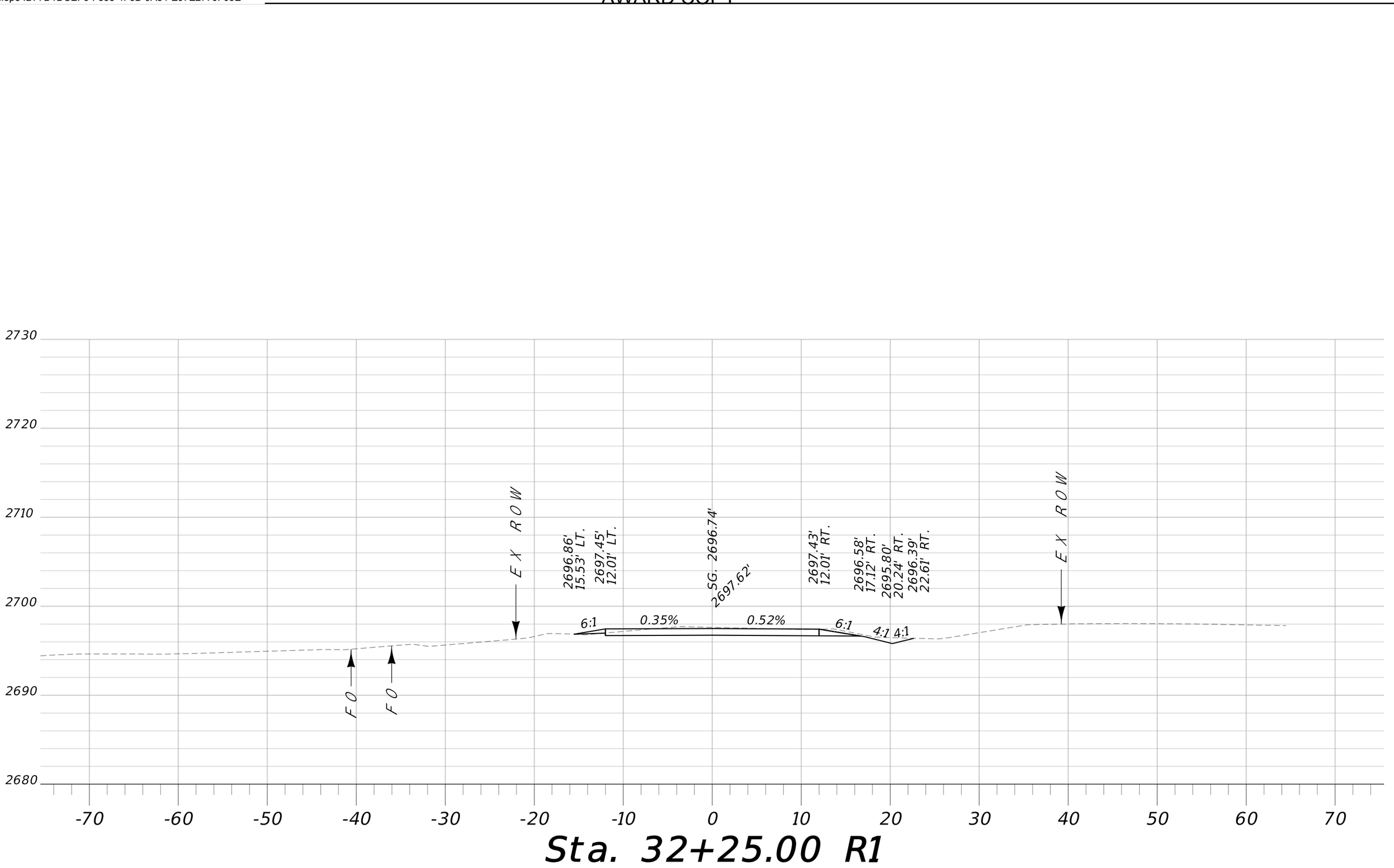



# Sta. 32+16.11 R1

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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:34:03 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 56 |

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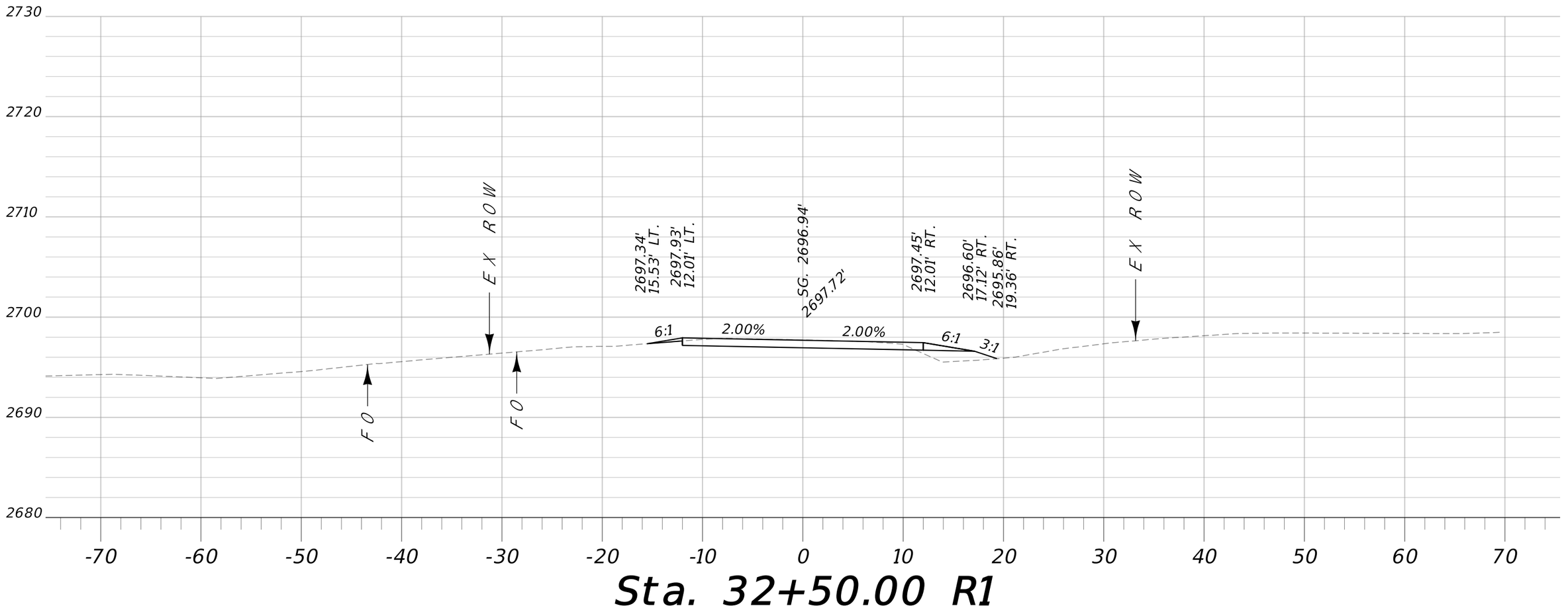



# Sta. 32+25.00 R1

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:34:08 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 57 |

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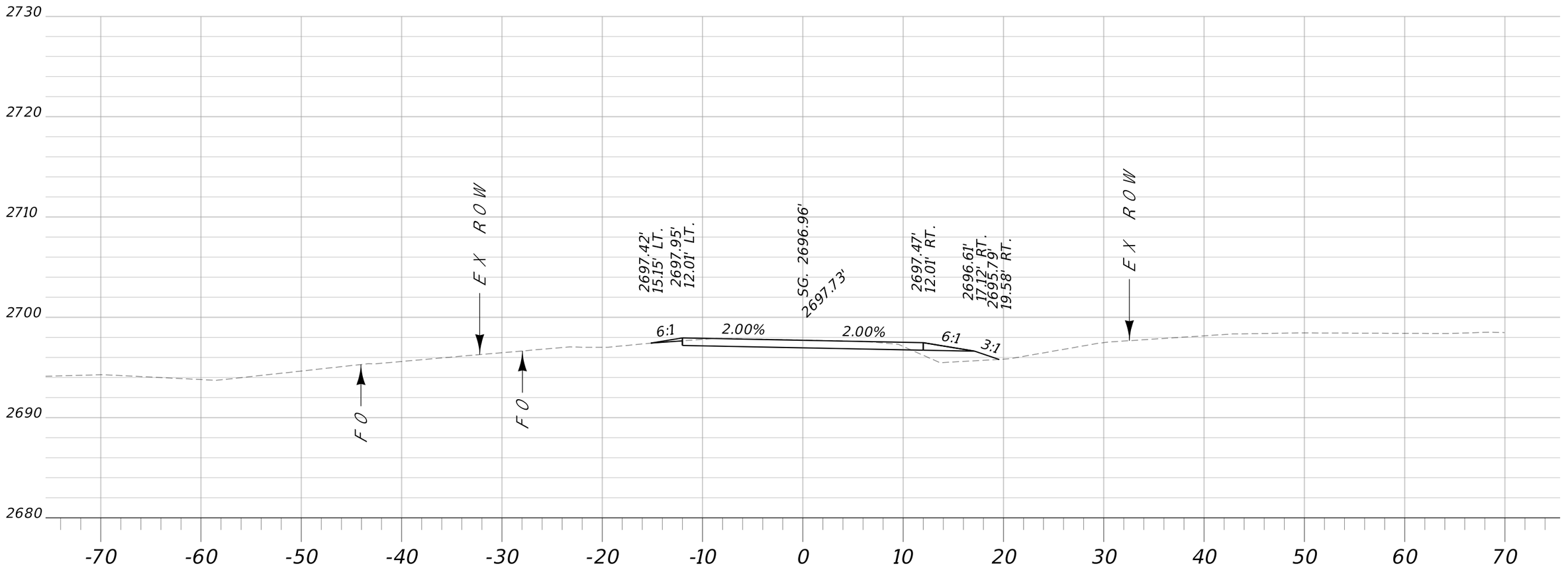



# Sta. 32+50.00 R1

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:34:14 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 58 |

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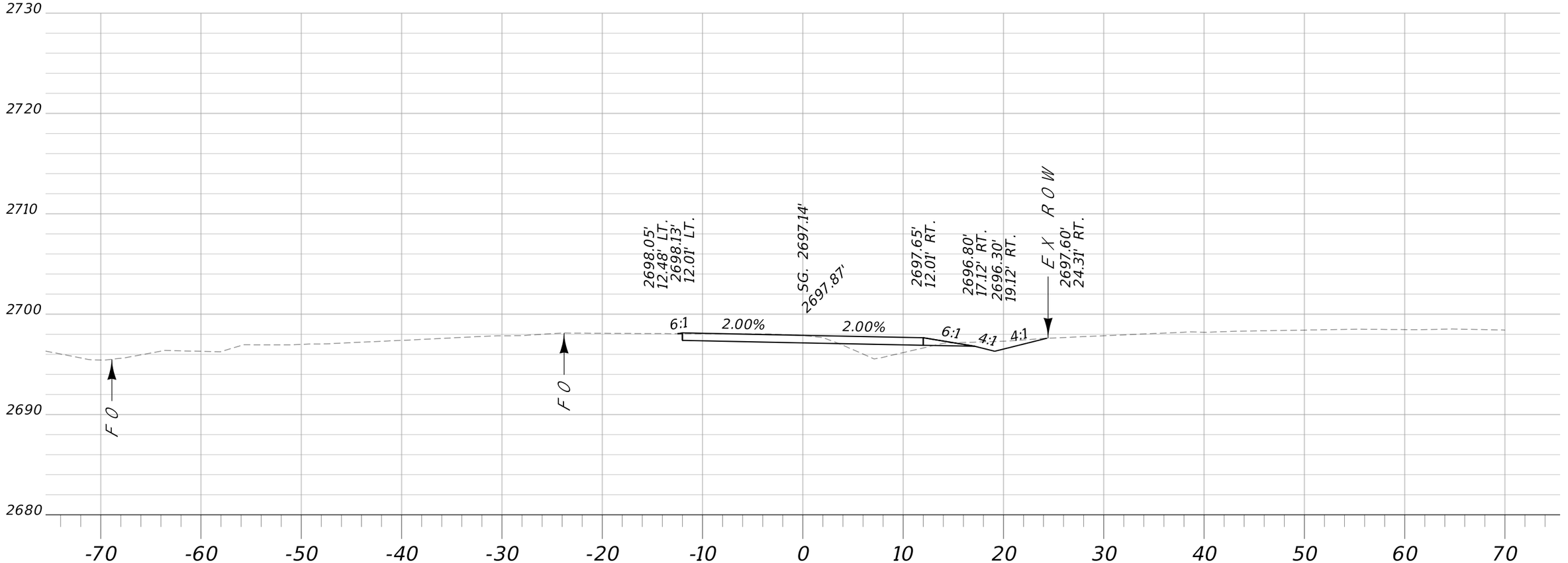



# Sta. 32+51.94 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:34:20 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 59 |

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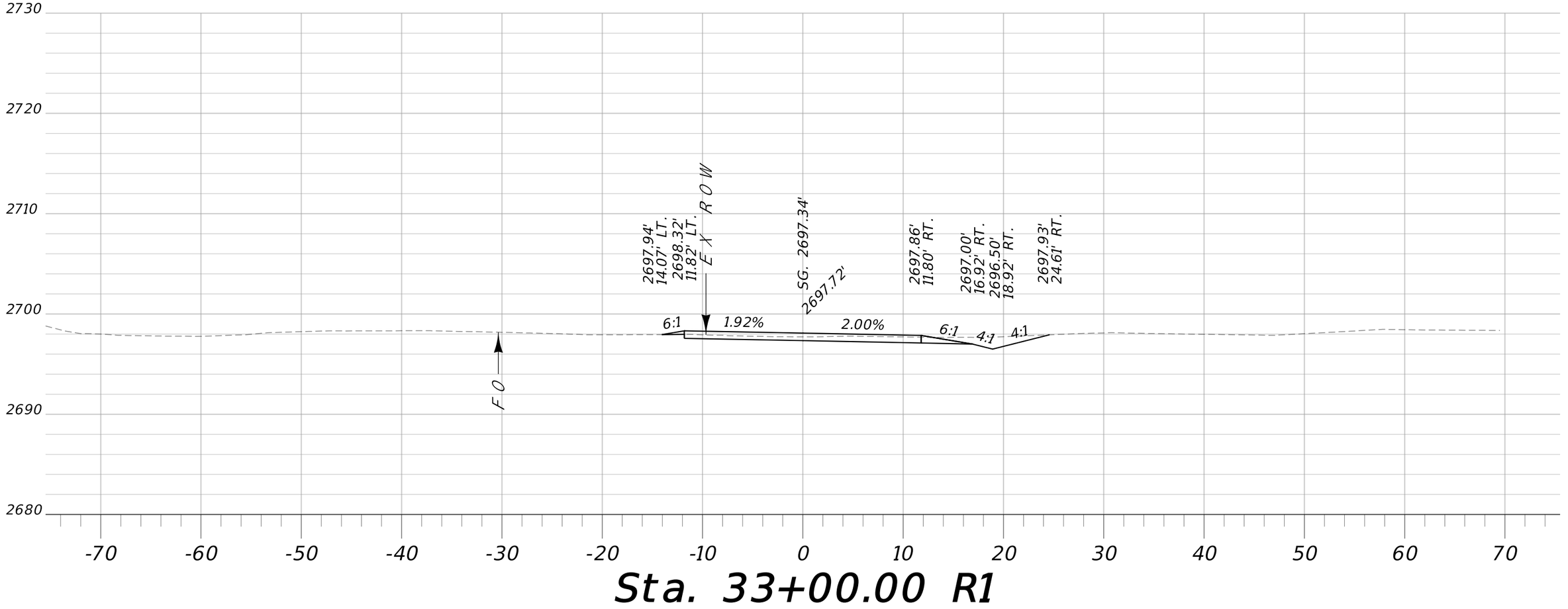



# Sta. 32+75.00 R1

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:34:25 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 60 |

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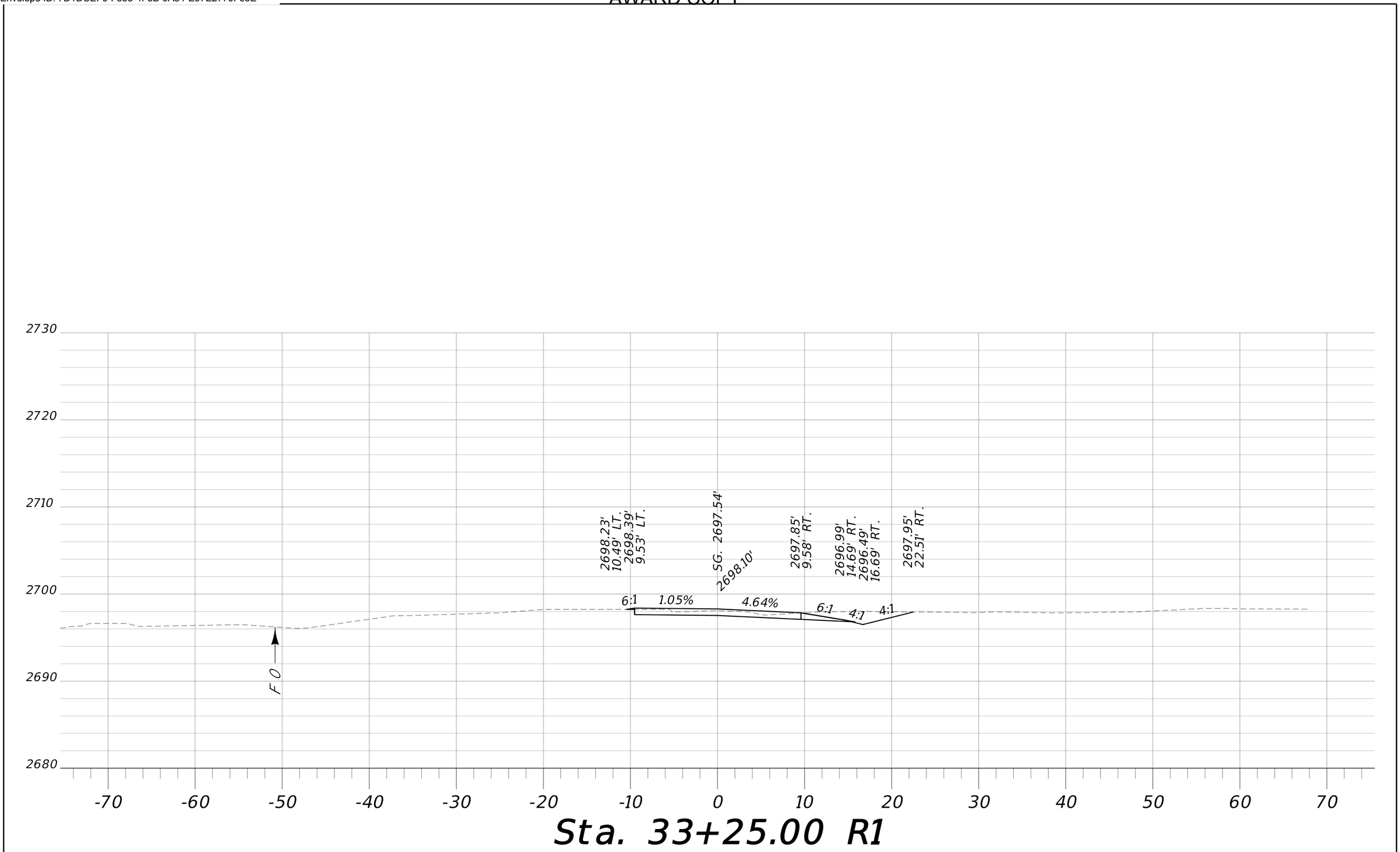



# Sta. 33+00.00 R1

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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:34:31 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 61 |

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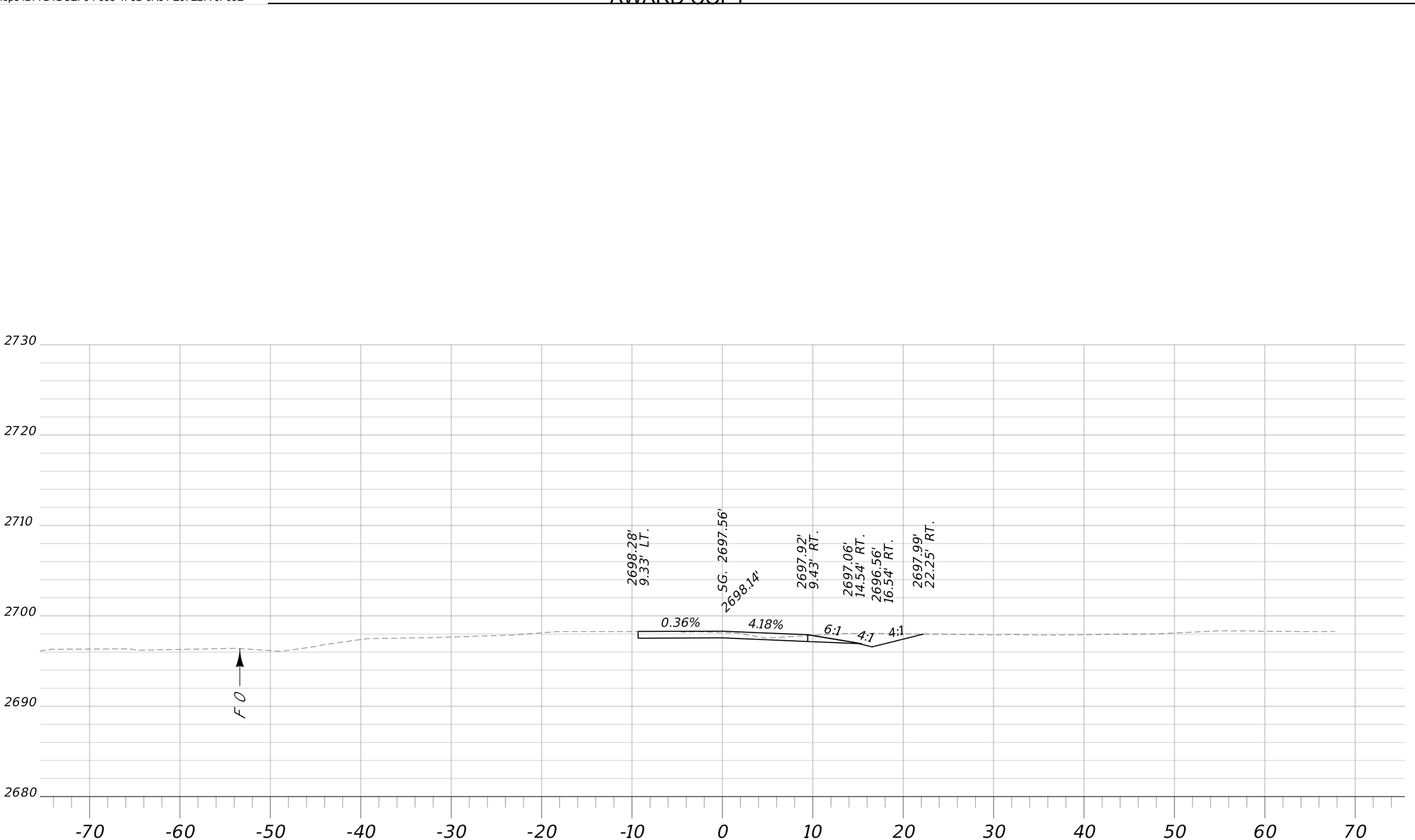



# Sta. 33+25.00 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:34:37 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 62 |

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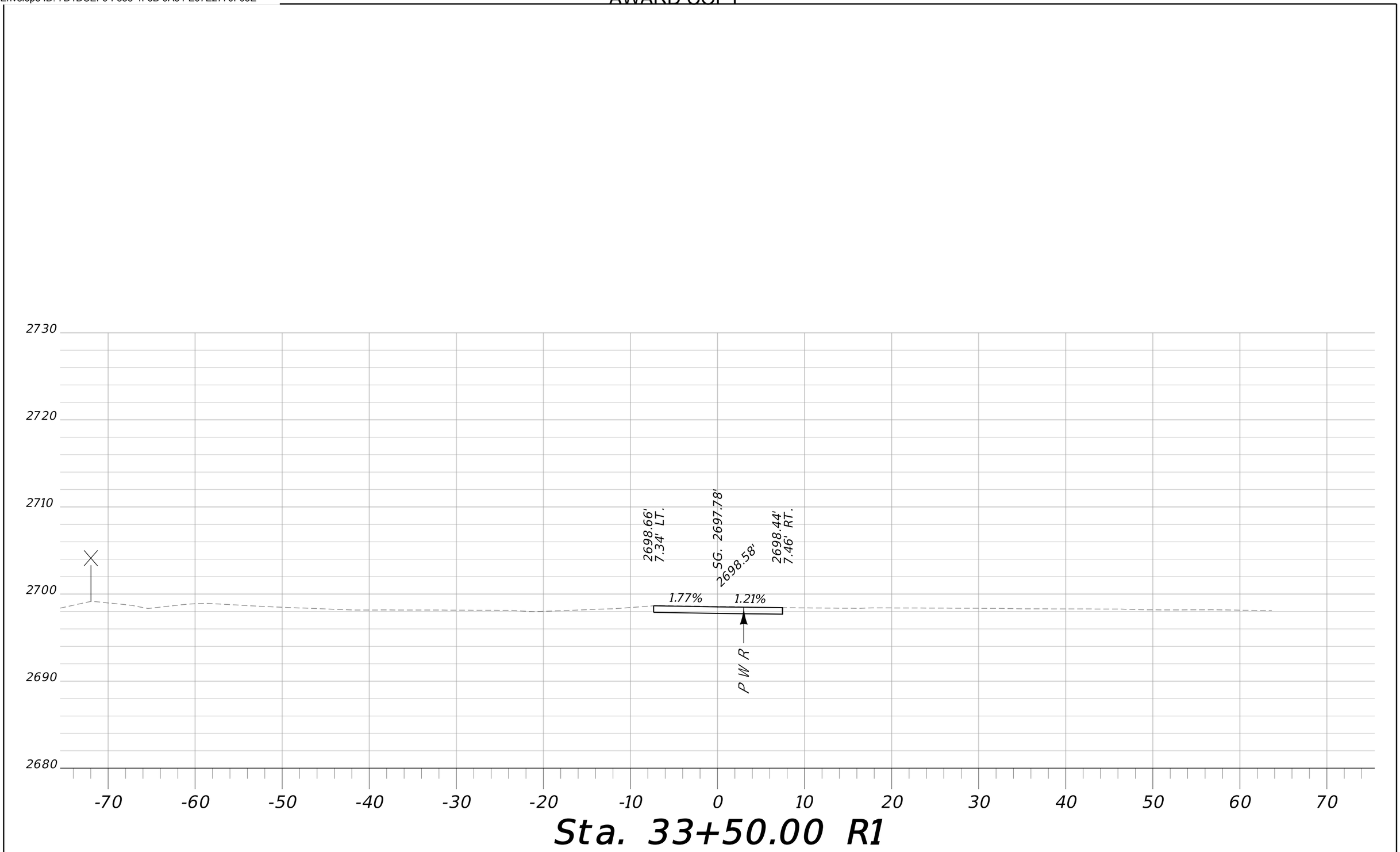



# Sta. 33+27.23 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn<br>5/12/2022<br>7:34:42 AM CPS – U3832 | DESIGNED BY<br>REVIEWED BY<br>CHECKED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS<br>WIBAUX COUNTY | | SF 189 WIBAUX RR XING RELOCATE<br>UPN 9677000 | HSIP 55(17)<br>SHEET 63 |

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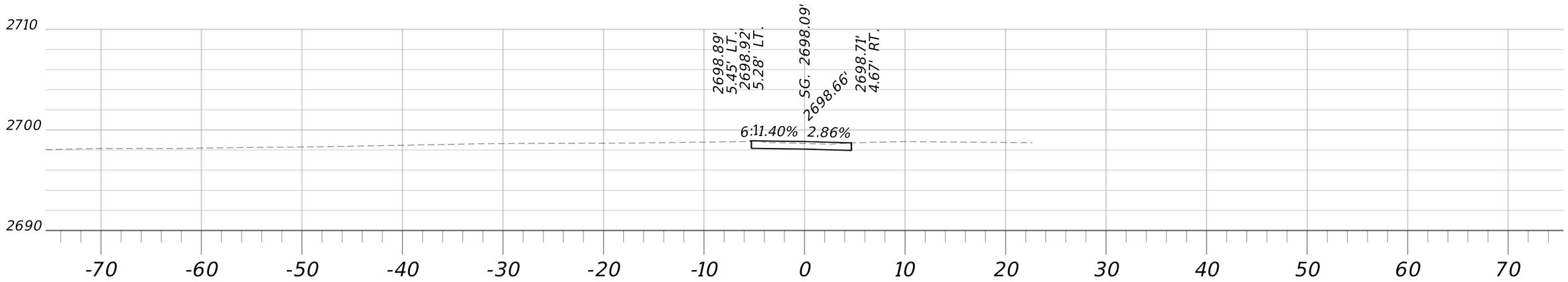



# Sta. 33+50.00 R1

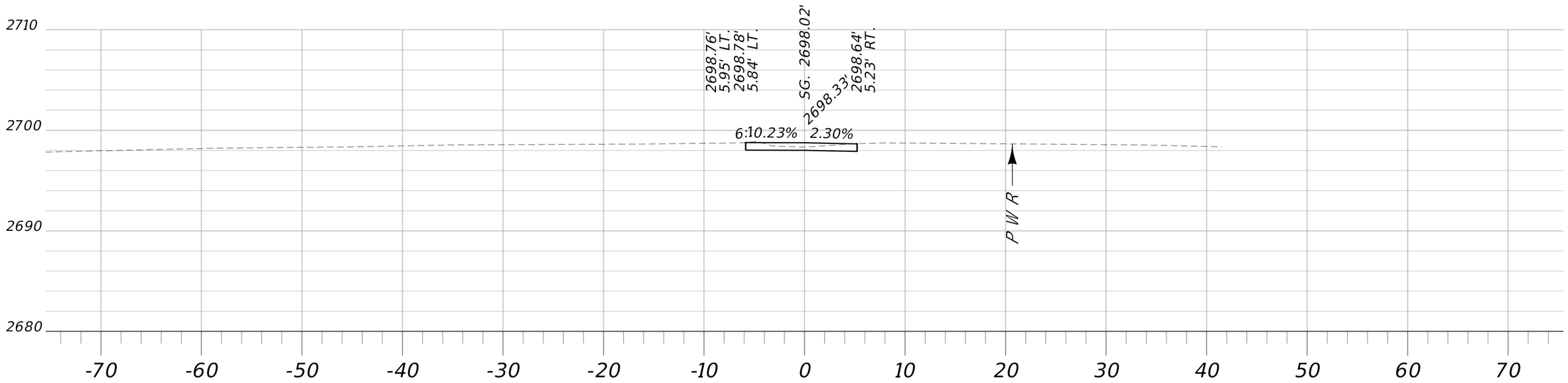
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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:34:48 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 64 |

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# Sta. 33+75.00 R1



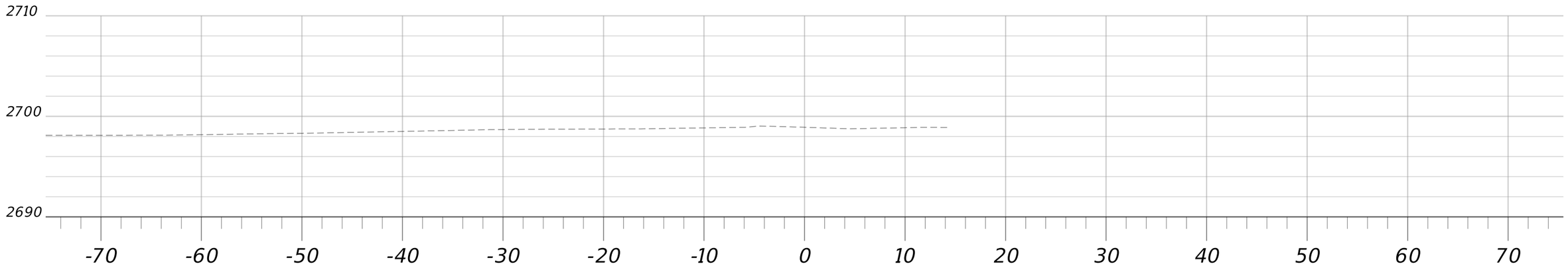

# Sta. 33+69.32 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:34:53 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 65 |

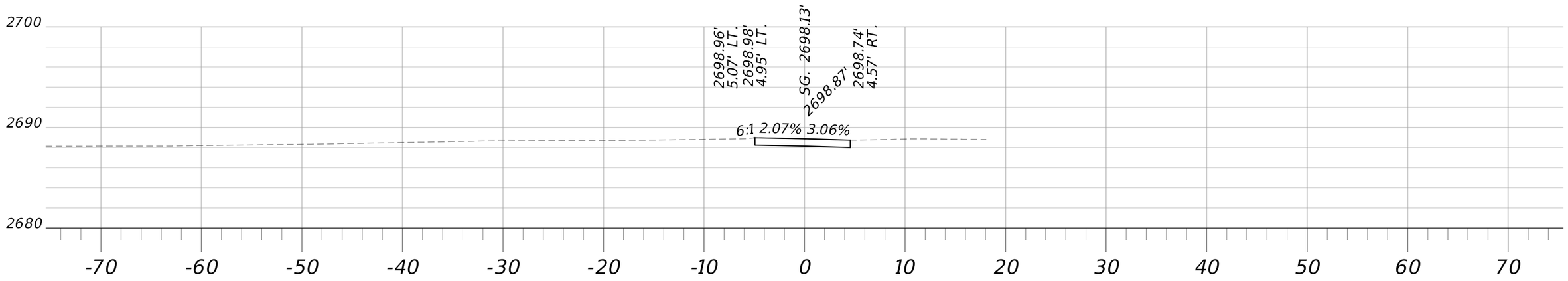
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STA. 33+79.21
END SOUTHERN
APPROACH TIE-IN




Sta. 33+79.21 R1

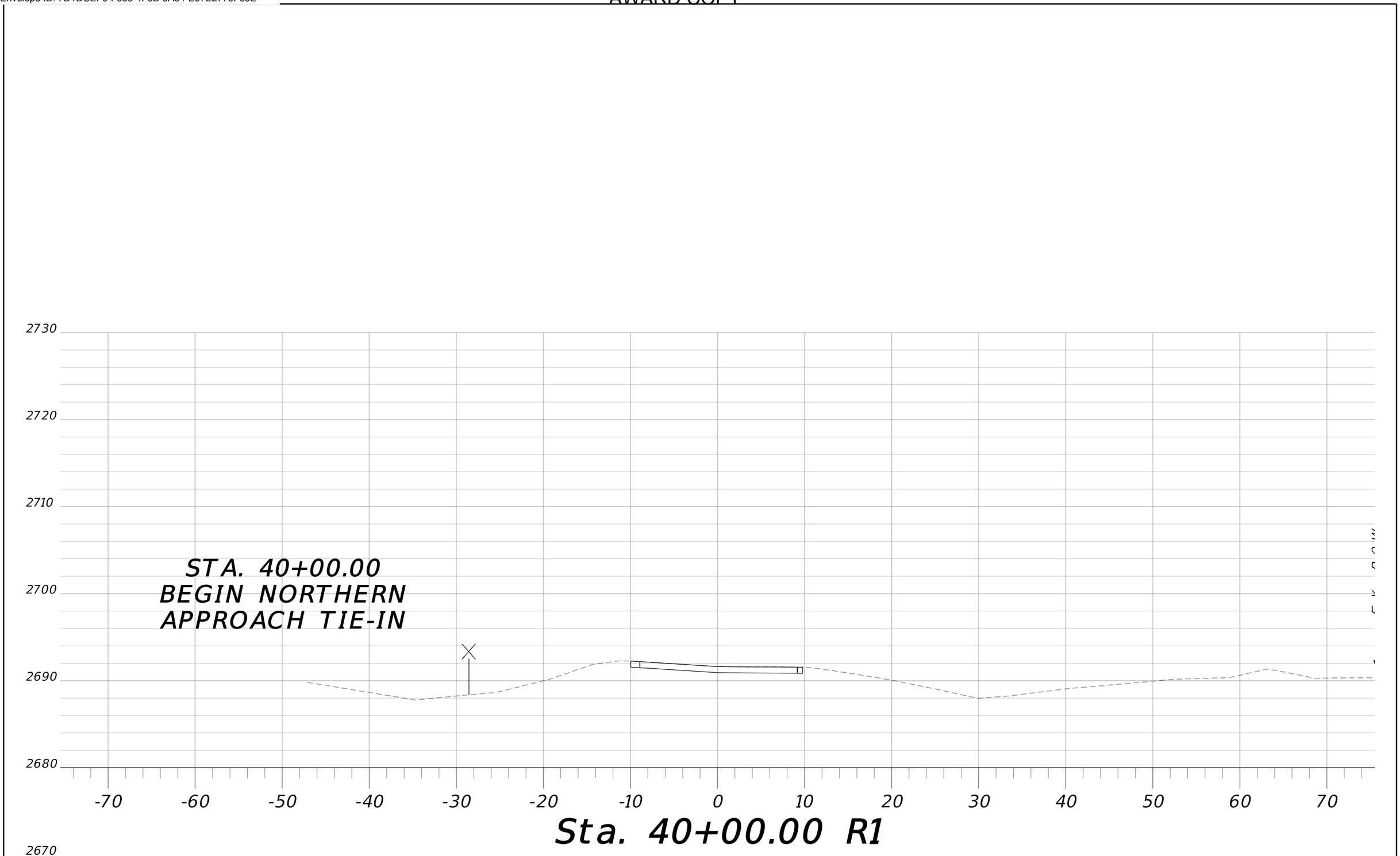



Sta. 33+77.23 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay004.dgn | DESIGNED BY T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | |
| | 7:34:59 AM CPS - U3832 | CHECKED BY | | WIBAUX COUNTY | UPN 9677000 | SHEET 66 |

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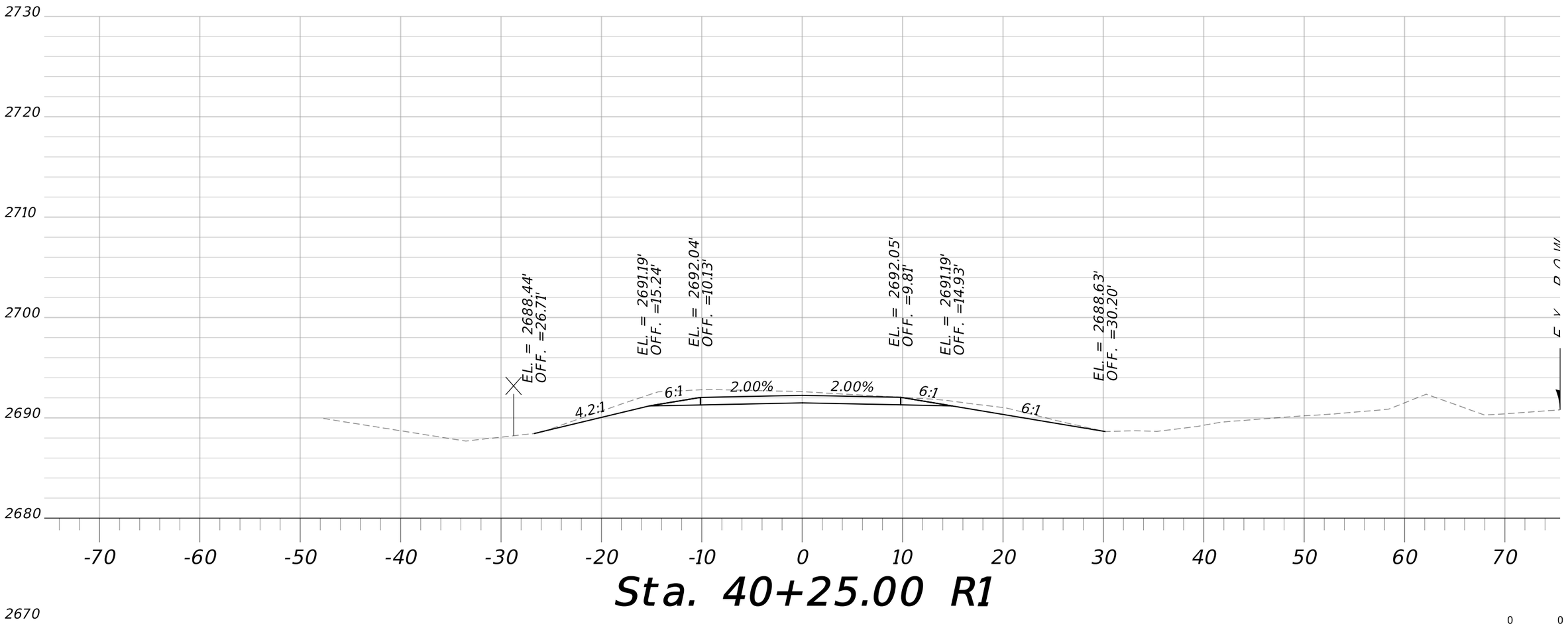
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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:35:14 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 67 |

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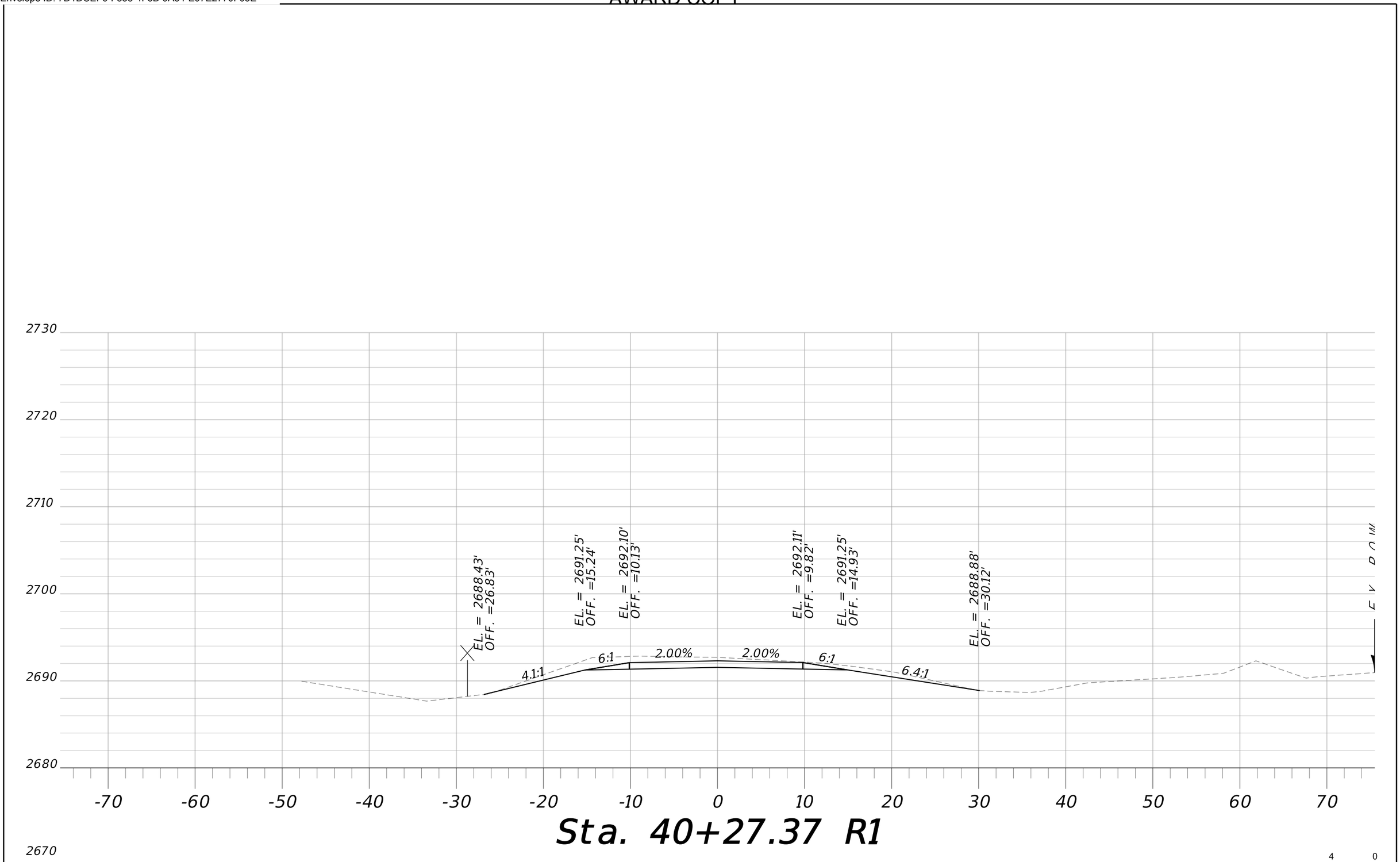
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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:35:19 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 68 |

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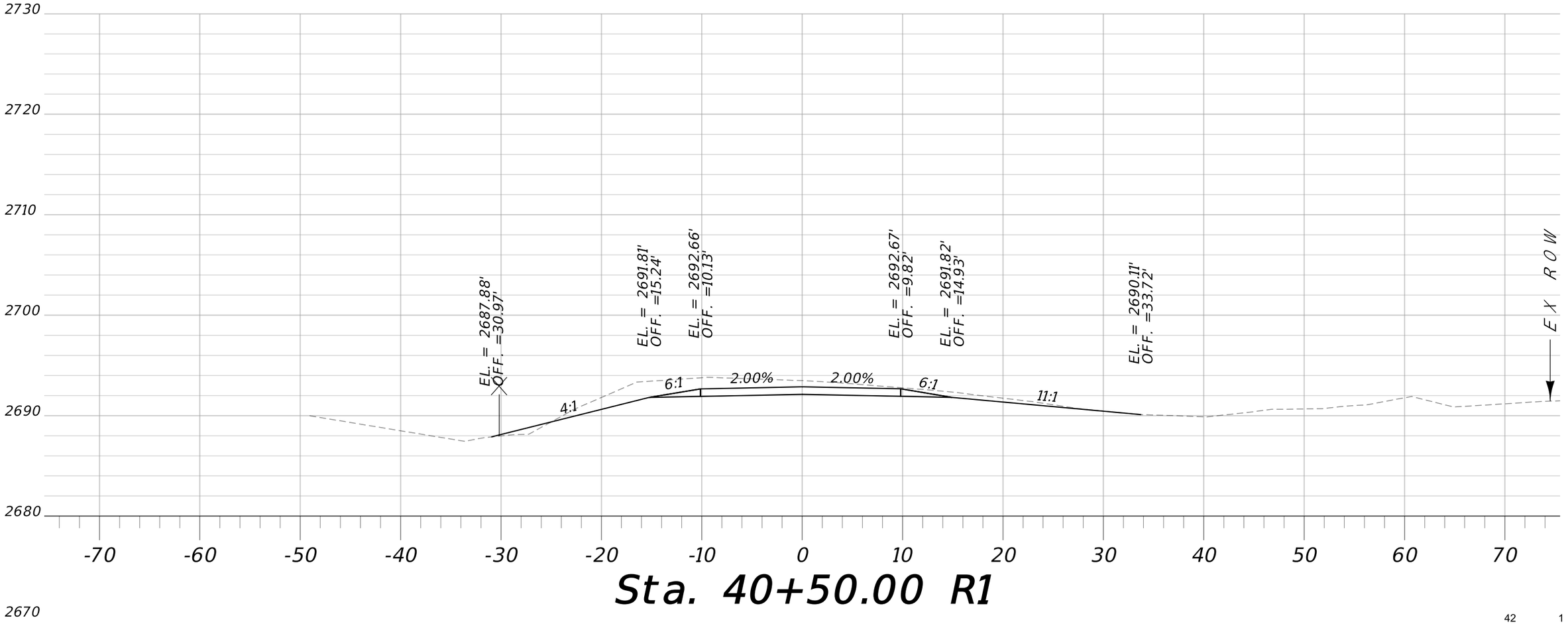

# Sta. 40+27.37 R1

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:35:24 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 69 |

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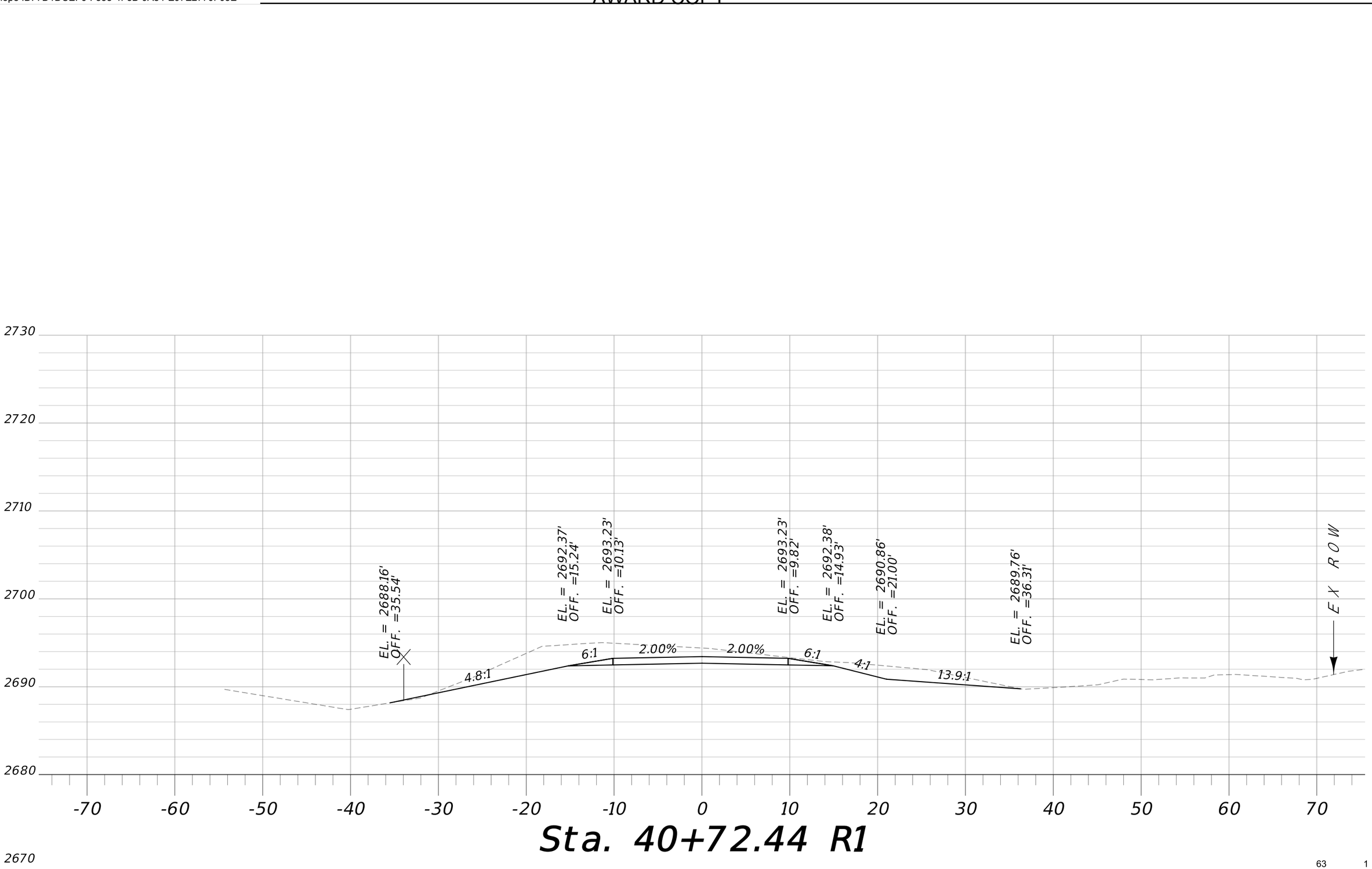

# Sta. 40+50.00 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:35:29 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 70 |

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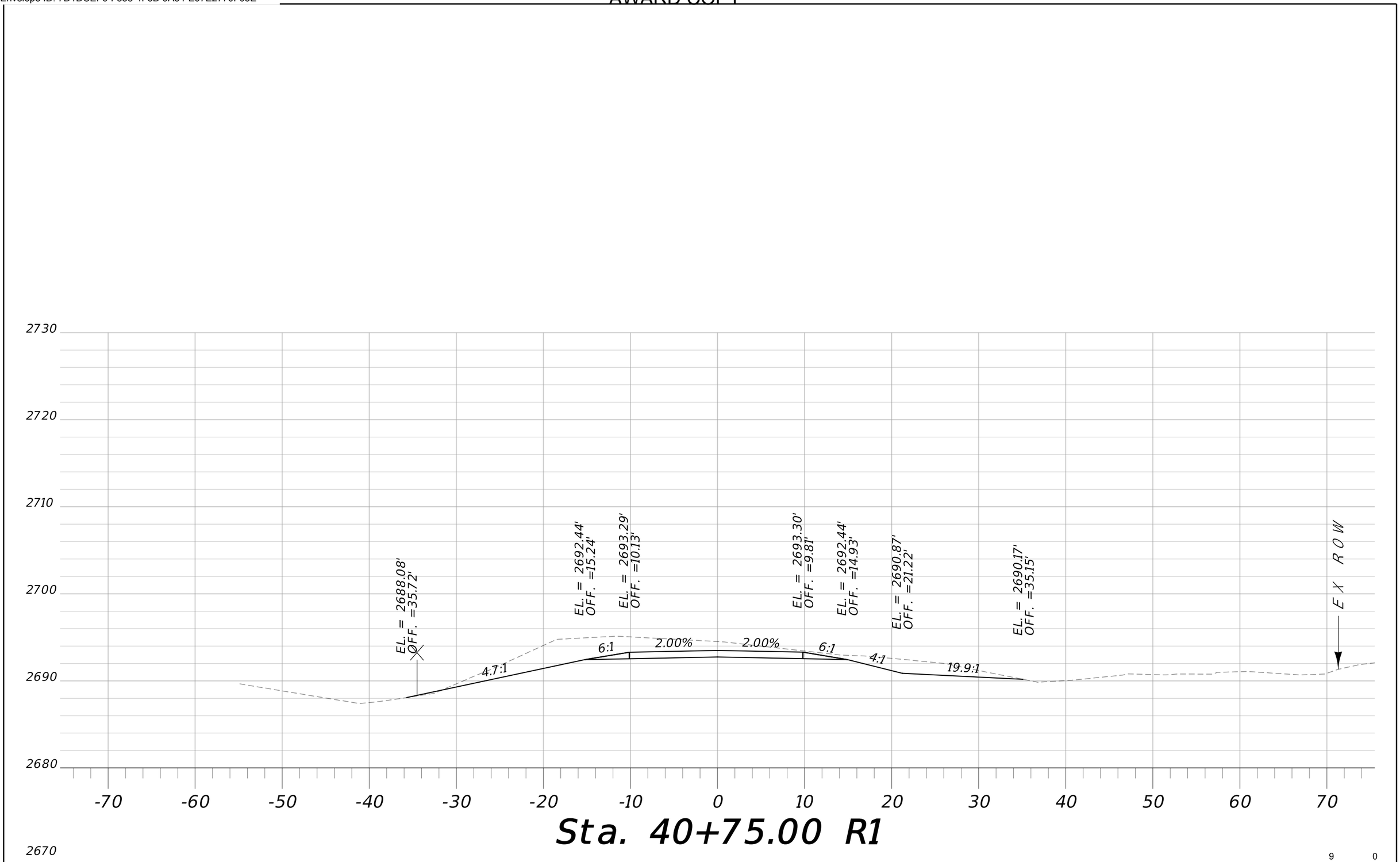

# Sta. 40+72.44 R1



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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:35:34 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 71 |

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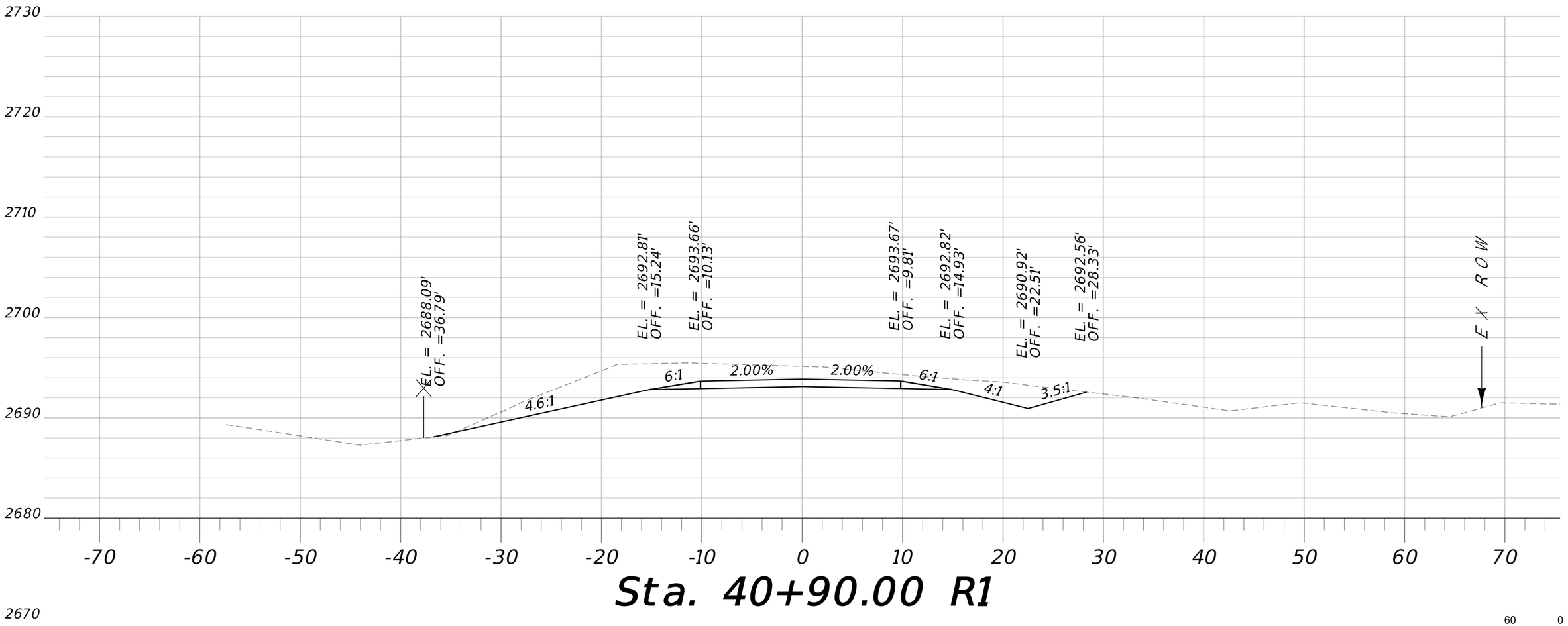
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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:35:39 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 72 |

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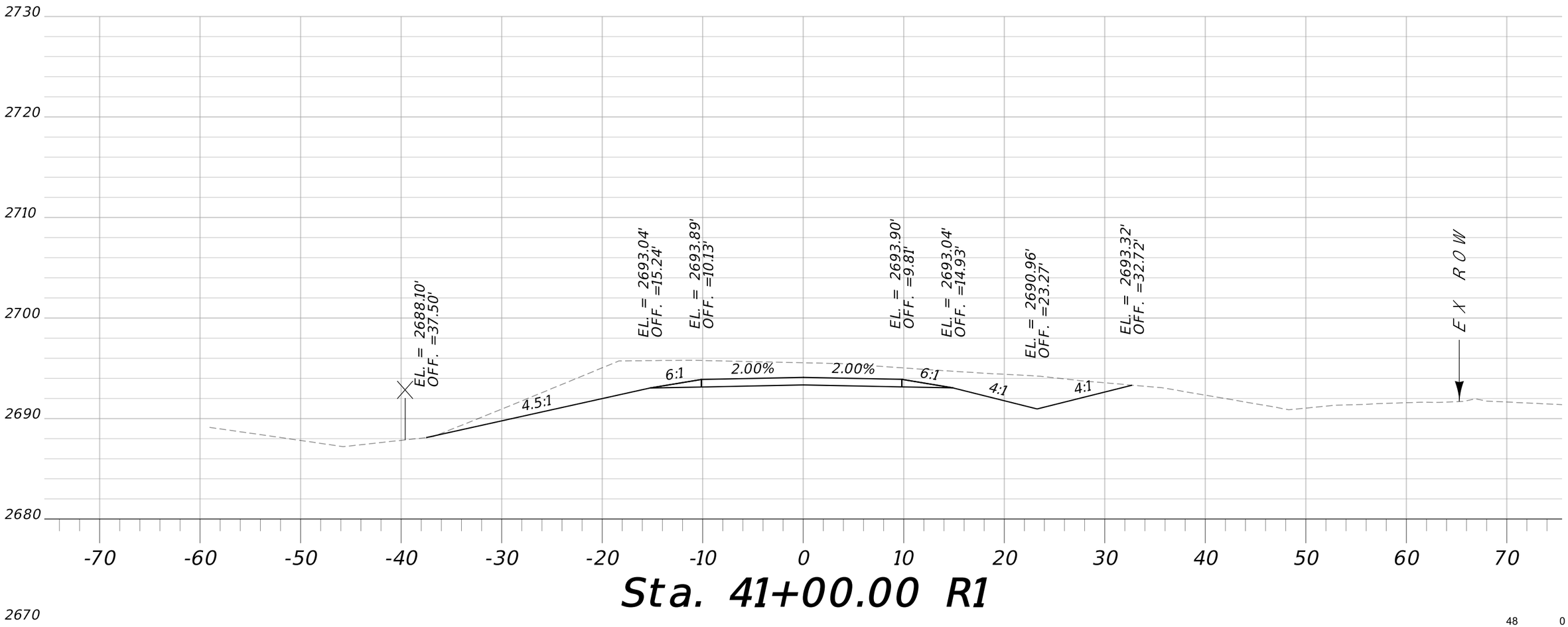
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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:35:44 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 73 |

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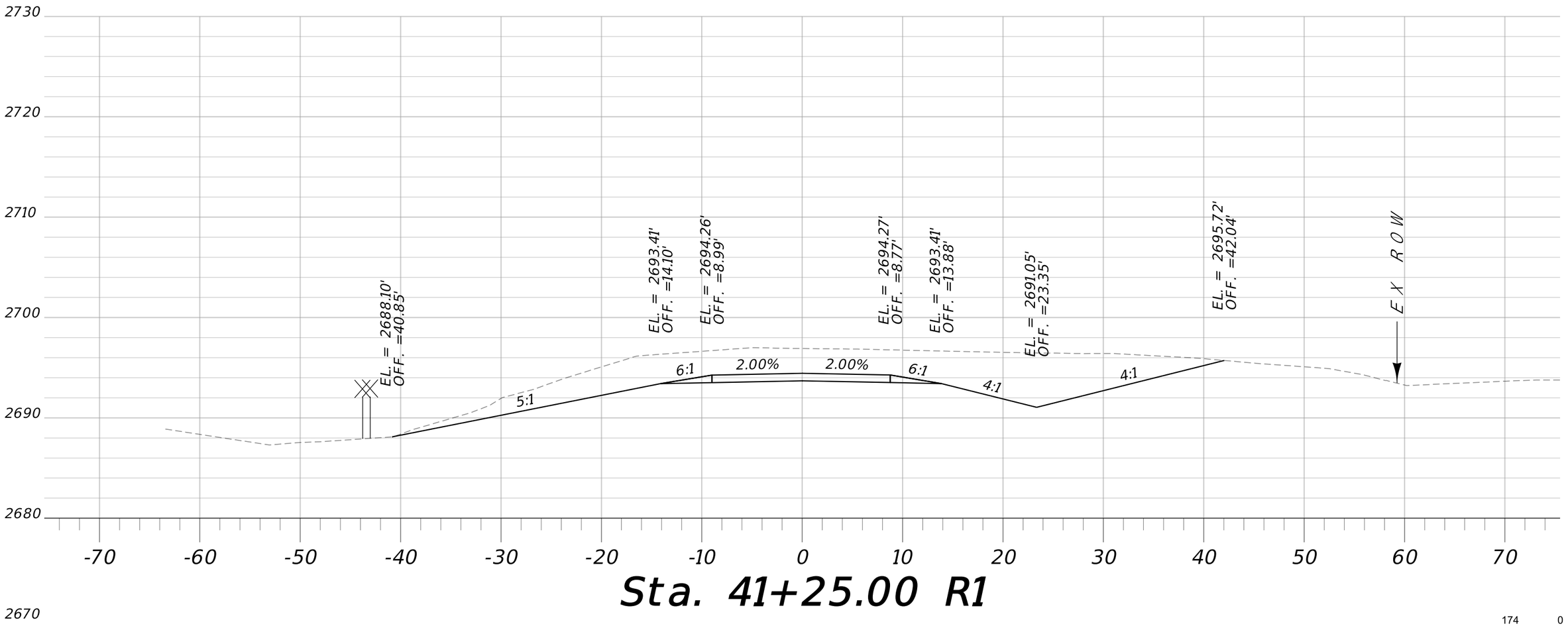

# Sta. 41+00.00 R1



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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:35:49 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 74 |

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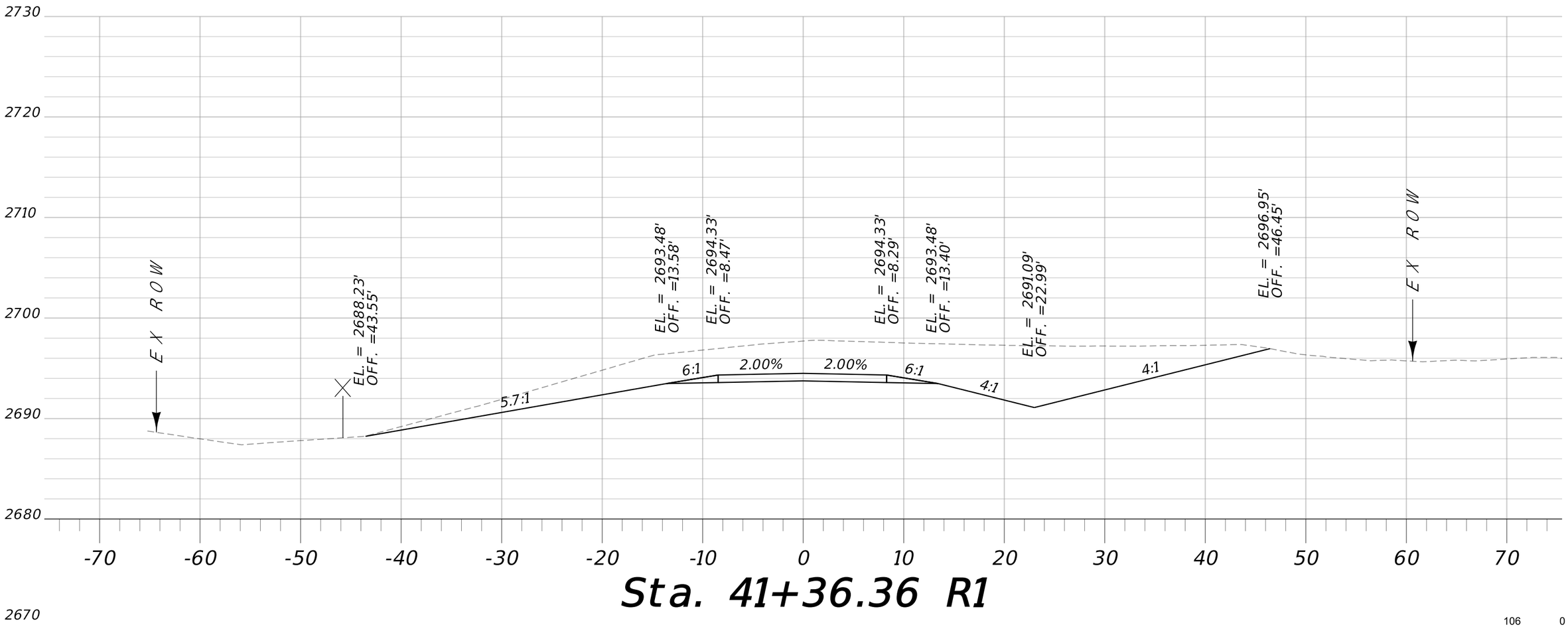

# Sta. 41+25.00 R1

174 0

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
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| | 7:35:54 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 75 |

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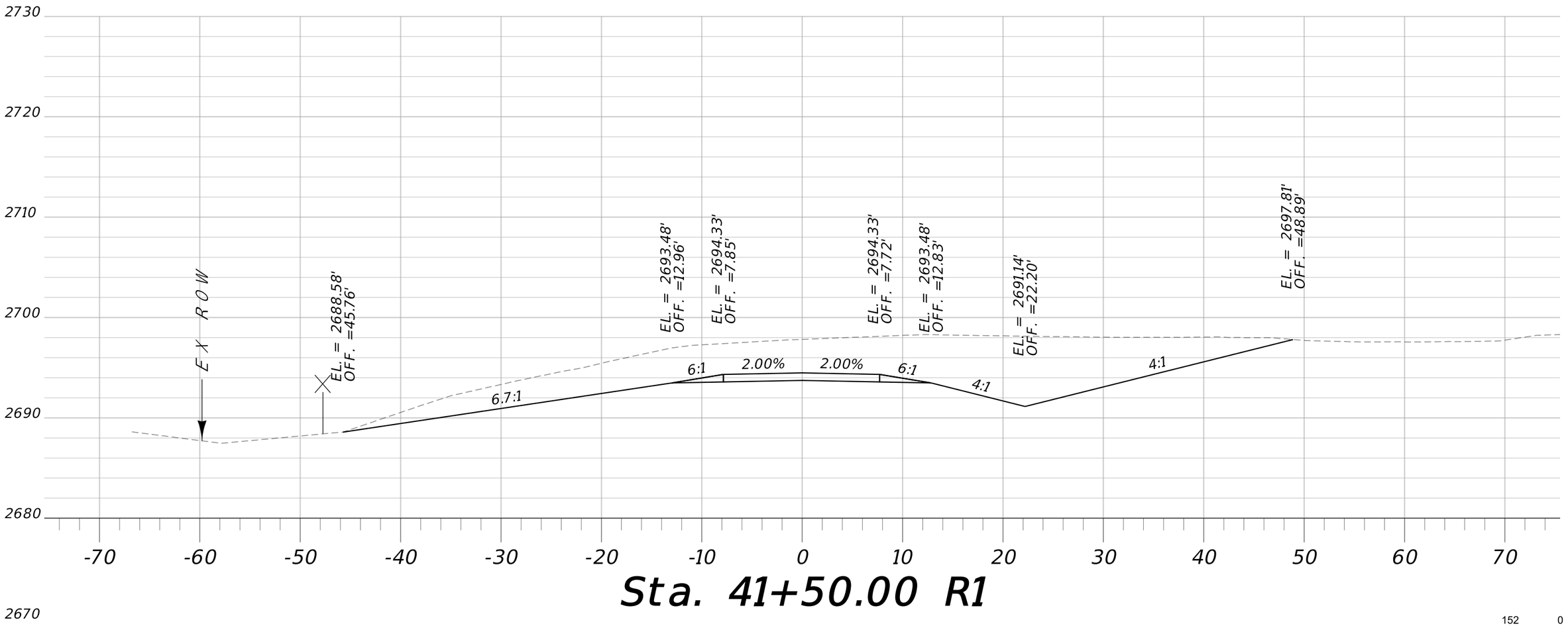

# Sta. 41+36.36 R1

106 0

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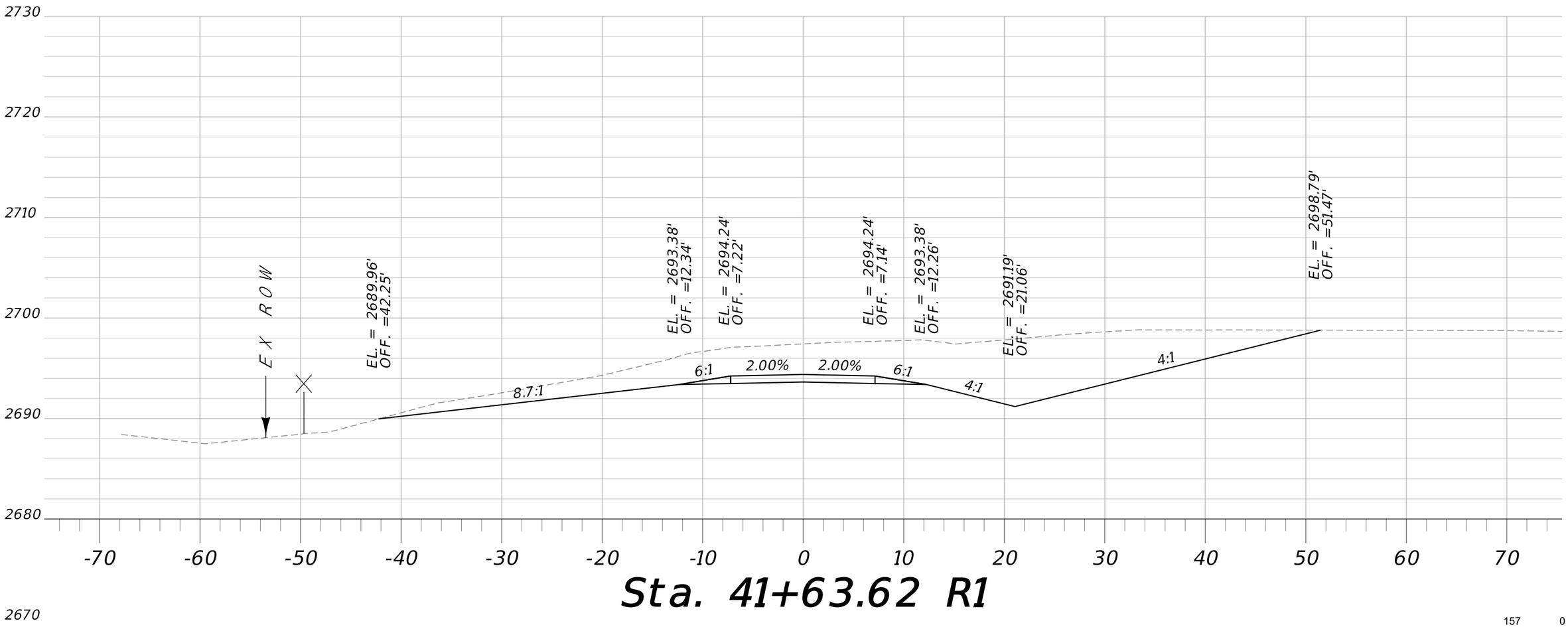

# Sta. 41+50.00 R1

152 0

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:36:04 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 77 |

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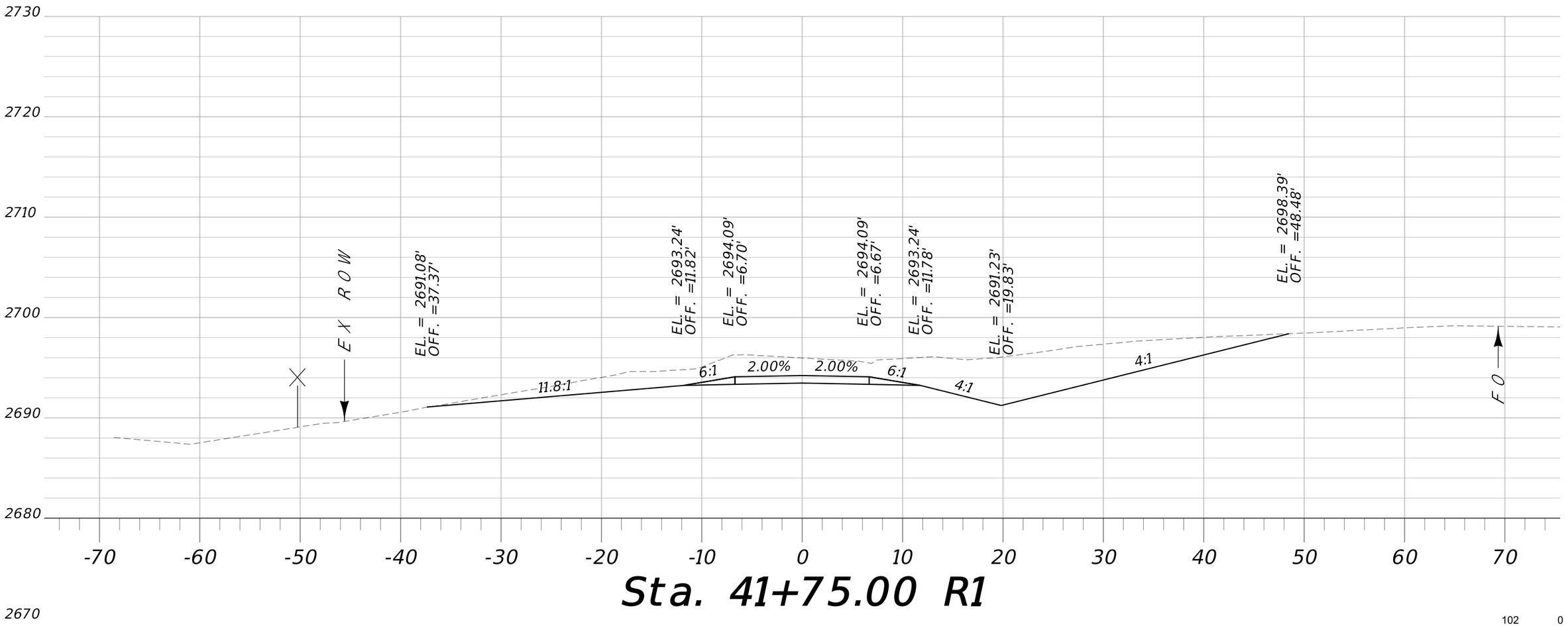

# Sta. 41+63.62 R1

157 0

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:36:09 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 78 |

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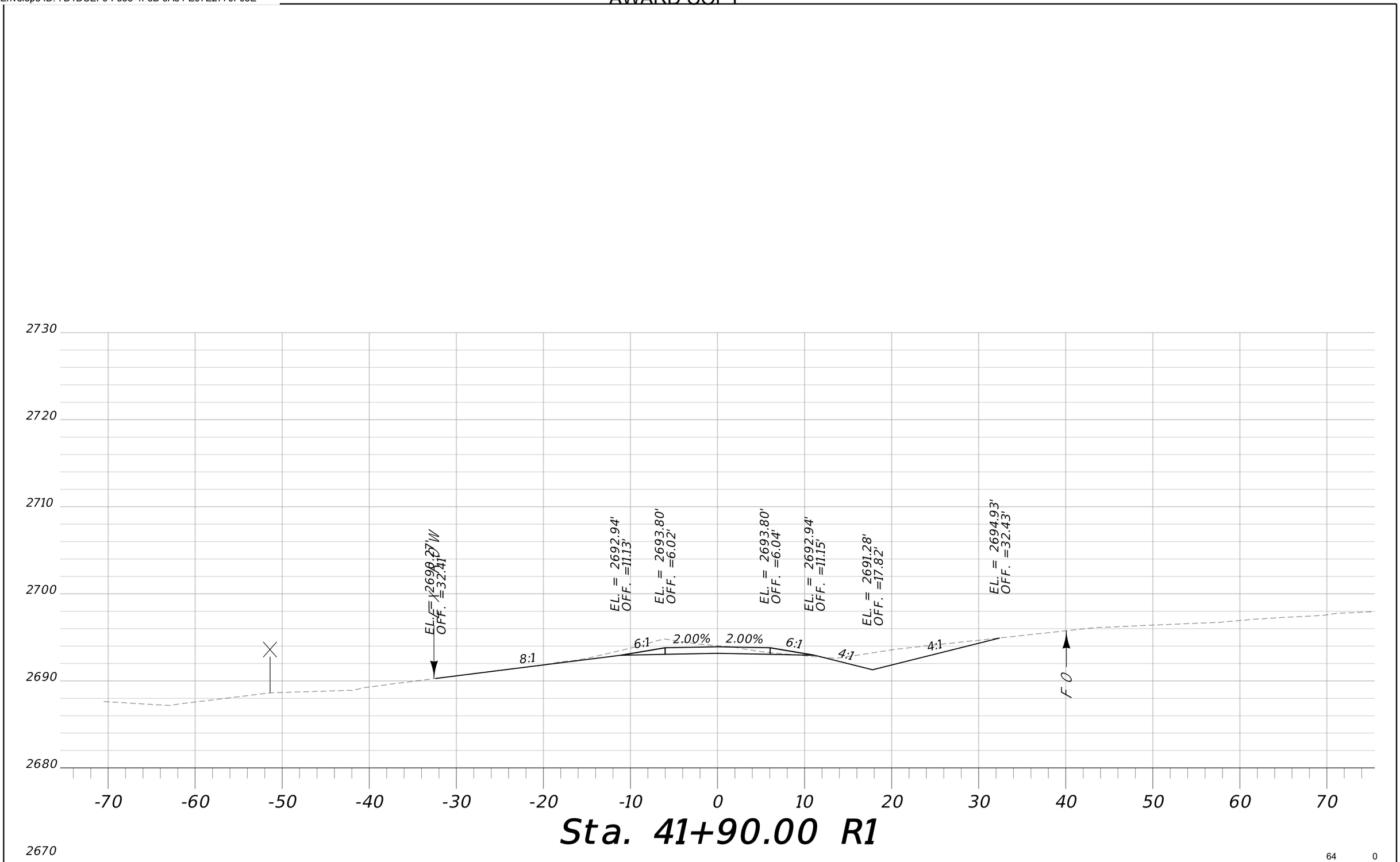

Sta. 41+75.00 R1

102 0

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| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:36:14 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 79 |

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# Sta. 41+90.00 R1

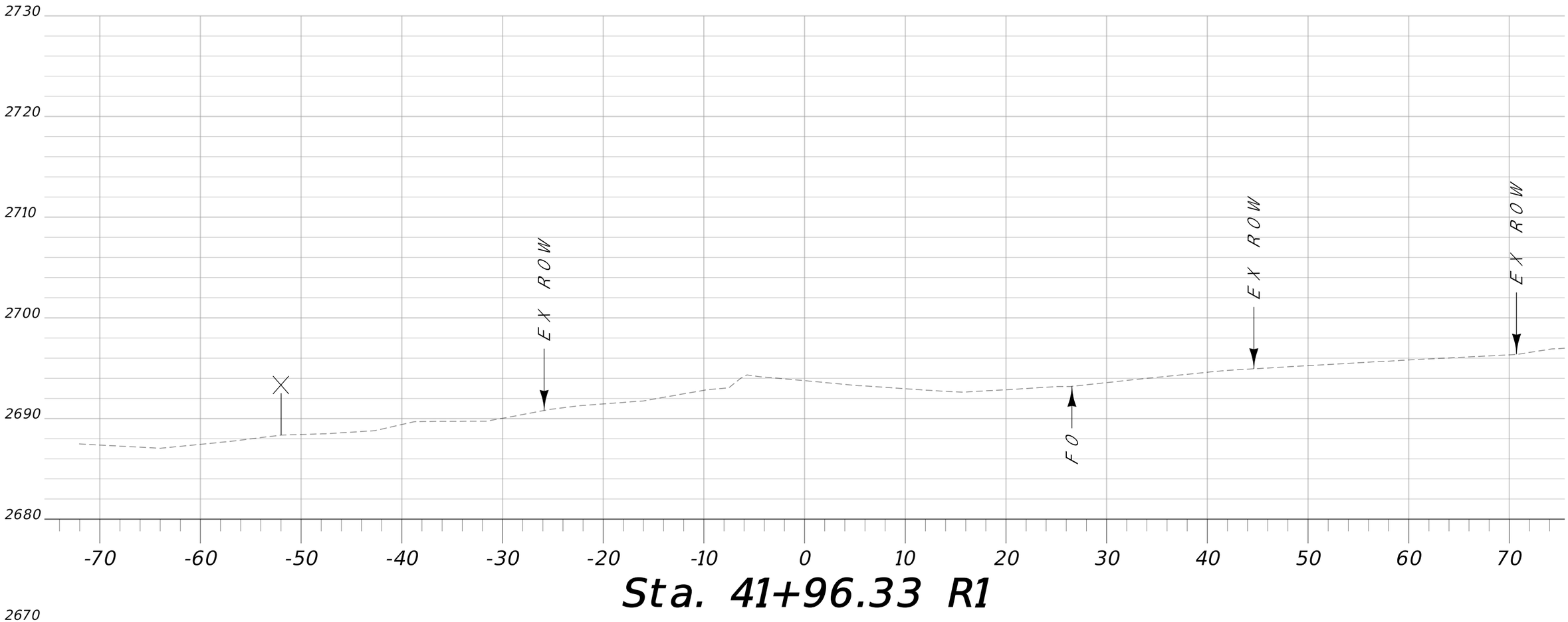
64 0

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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:36:19 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 80 |

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# STA. 41+96.33
# END NORTHERN
# APPROACH TIE-IN




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|---|---|---|---|---|---|---|---|
| MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\9677000rdlay005.dgn | DESIGNED BY | T. DUTTON | 7/15/2021 | APPROACH CROSS SECTIONS | SF 189 WIBAUX RR XING RELOCATE | HSIP 55(17) |
| | 5/12/2022 | REVIEWED BY | | | | | |
| | 7:36:24 AM CPS - U3832 | CHECKED BY | | | WIBAUX COUNTY | UPN 9677000 | SHEET 81 |