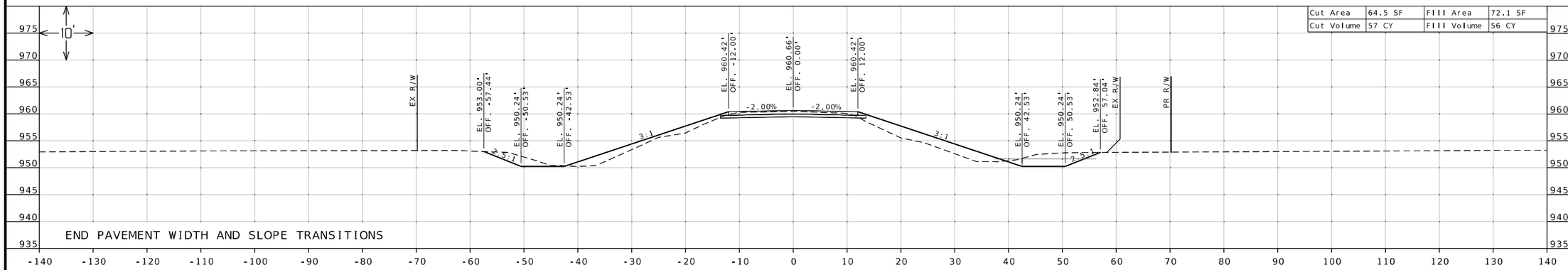
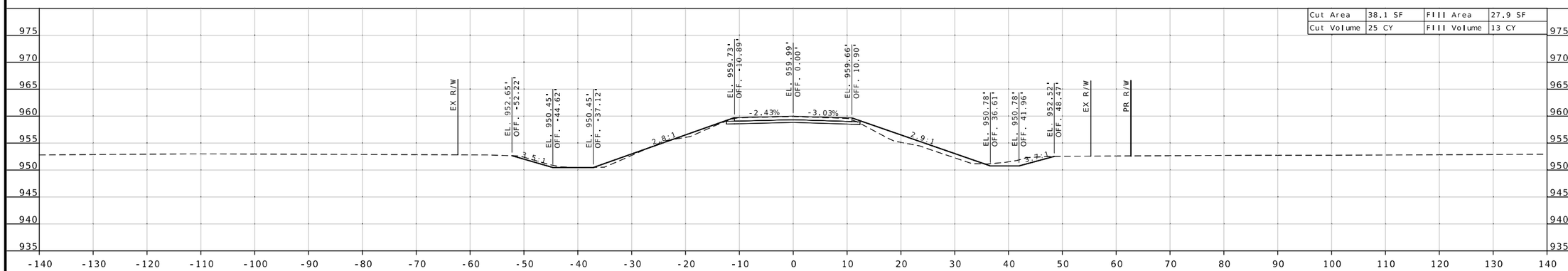


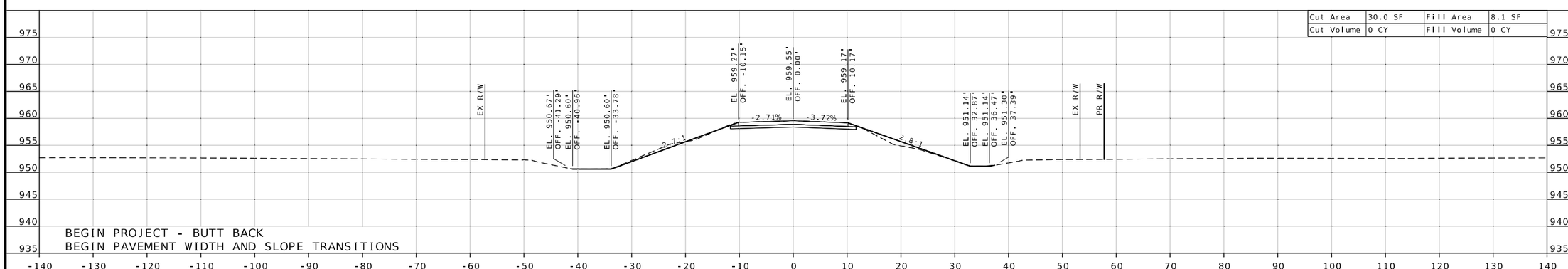

| | | | |
|---|---|---|---|
| Cut Area | 64.5 SF | Fill Area | 72.1 SF |
| Cut Volume | 57 CY | Fill Volume | 56 CY |

STA. 179+80.00




| | | | |
|---|---|---|---|
| Cut Area | 38.1 SF | Fill Area | 27.9 SF |
| Cut Volume | 25 CY | Fill Volume | 13 CY |

STA. 179+50.00




| | | | |
|---|---|---|---|
| Cut Area | 30.0 SF | Fill Area | 8.1 SF |
| Cut Volume | 0 CY | Fill Volume | 0 CY |

STA. 179+30.00

ROUTE VV
SHEET 1 OF 14

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:05:48 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
12/2/2025

| ROUTE | STATE |
|---|---|
| VV | MO |
| DISTRICT | SHEET NO. |
| NW | 1 |

COUNTY
NODAWAY

JOB NO.
JNW0046

CONTRACT ID.

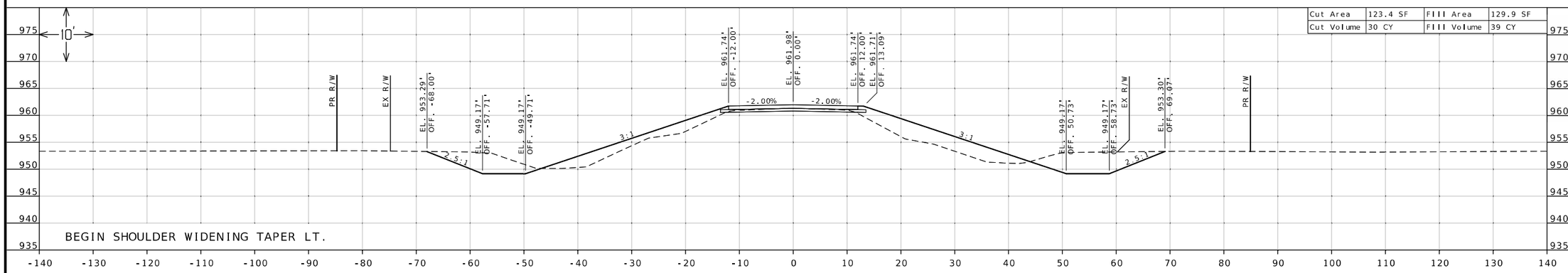
PROJECT NO.

BRIDGE NO.

| DATE | DESCRIPTION |
|---|---|

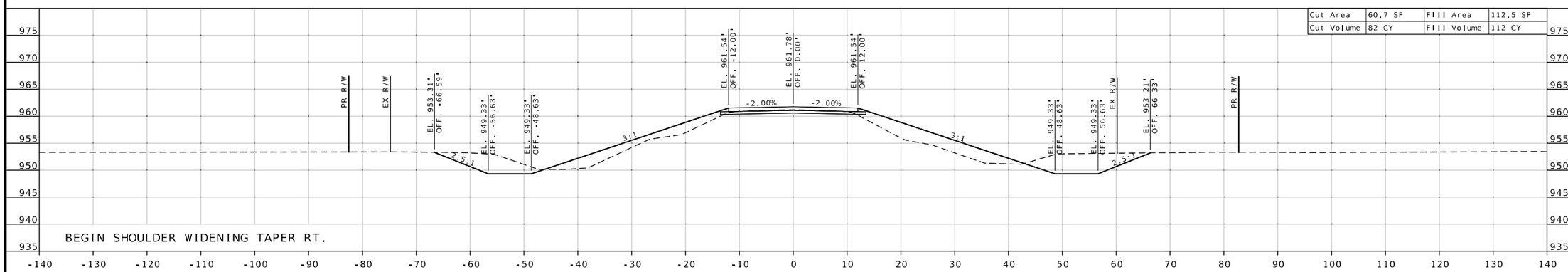
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



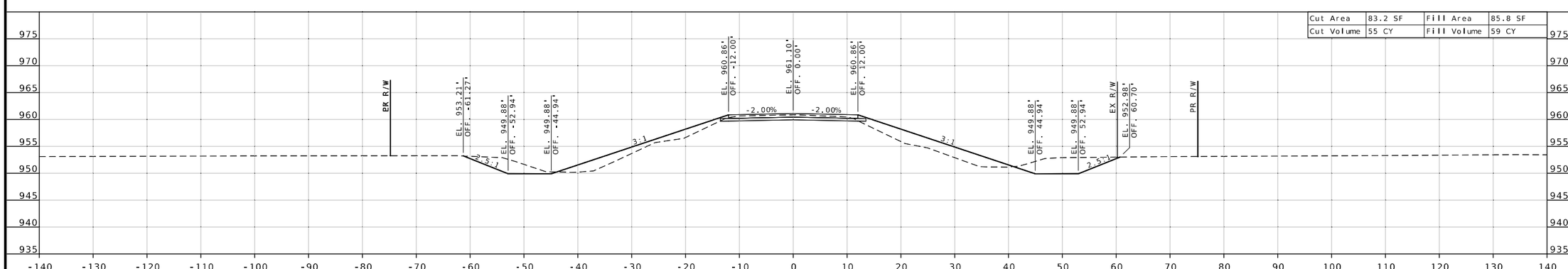

| | | | |
|---|---|---|---|
| Cut Area | 123.4 SF | Fill Area | 129.9 SF |
| Cut Volume | 30 CY | Fill Volume | 39 CY |

STA. 180+39.36




| | | | |
|---|---|---|---|
| Cut Area | 60.7 SF | Fill Area | 112.5 SF |
| Cut Volume | 82 CY | Fill Volume | 112 CY |

STA. 180+30.62




| | | | |
|---|---|---|---|
| Cut Area | 83.2 SF | Fill Area | 85.8 SF |
| Cut Volume | 55 CY | Fill Volume | 59 CY |

STA. 180+00.00

ROUTE VV
SHEET 2 OF 14

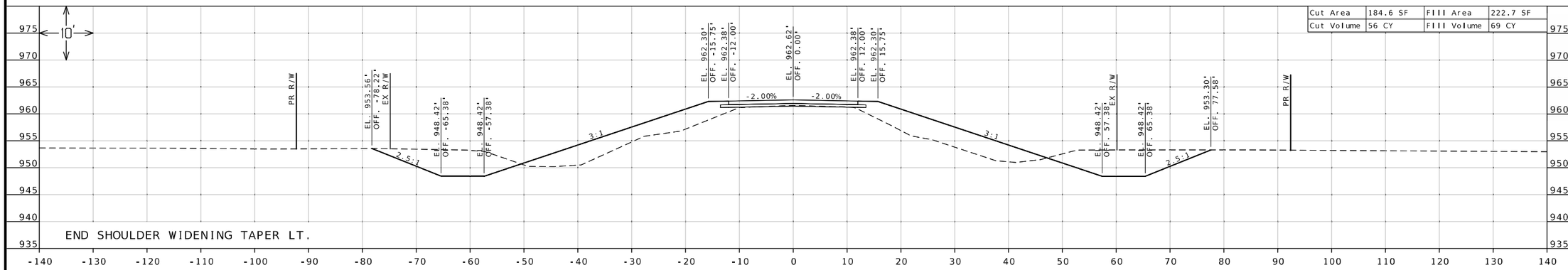
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

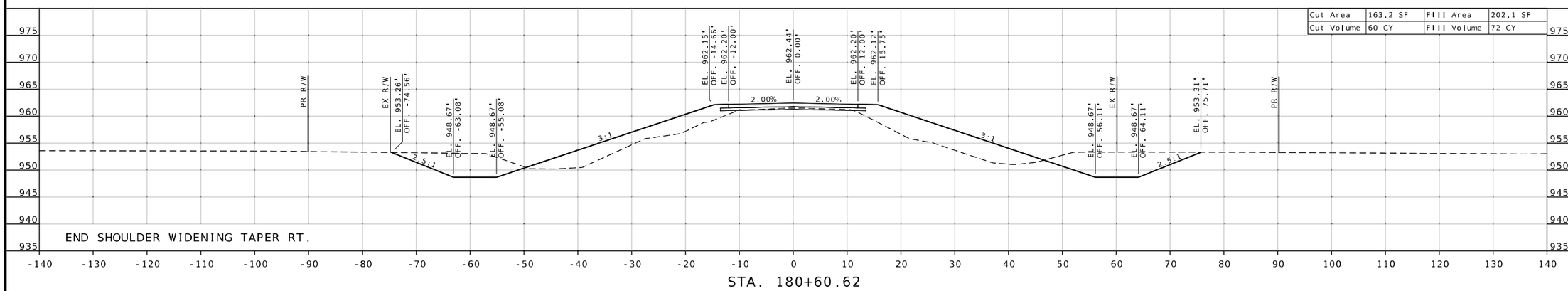
Brian M. Rosenthal
12/08/2025 4:06:08 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

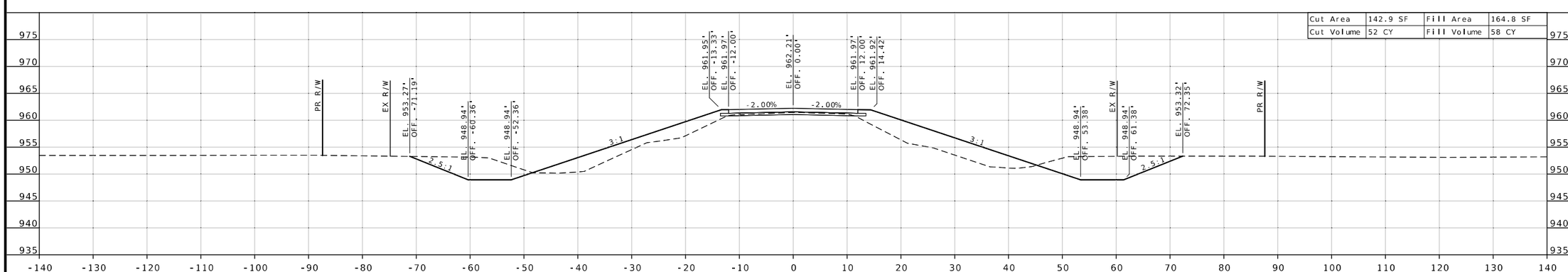
| | |
|---|---|
| DATE PREPARED | 12/2/2025 |
| ROUTE | VV |
| STATE | MO |
| DISTRICT | NW |
| SHEET NO. | 2 |
| COUNTY | NODAWAY |
| JOB NO. | JNW0046 |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)




ROUTE VV
SHEET 3 OF 14

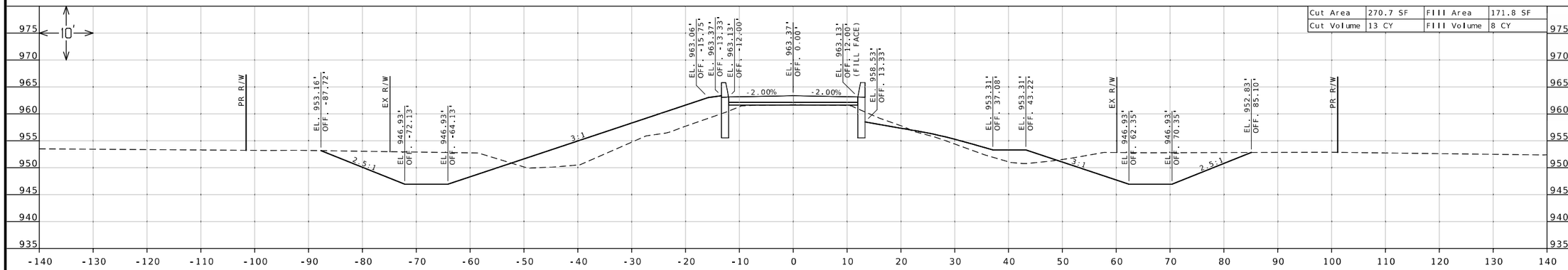
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:06:32 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

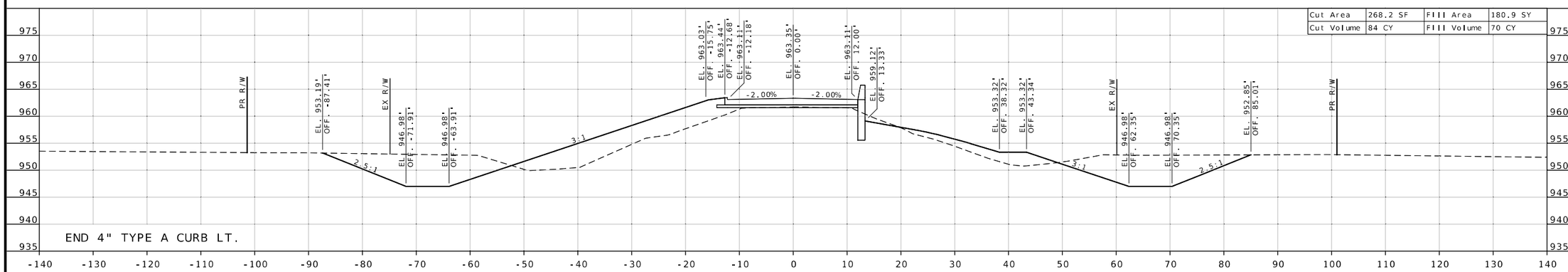
| | |
|---|---|
| DATE PREPARED | 12/2/2025 |
| ROUTE | VV |
| STATE | MO |
| DISTRICT | NW |
| SHEET NO. | 3 |
| COUNTY | NODAWAY |
| JOB NO. | JNW0046 |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|
| | |

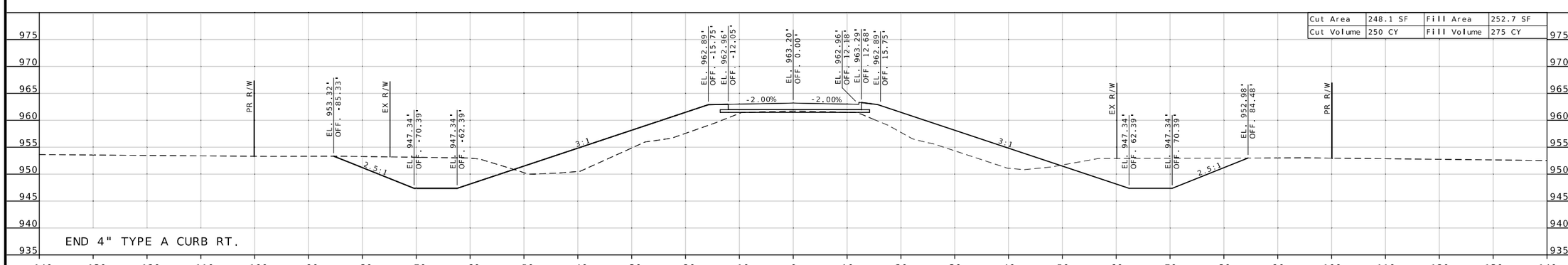
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)




STA. 181+10.62




STA. 181+09.36




STA. 181+00.62

ROUTE VV
SHEET 4 OF 14

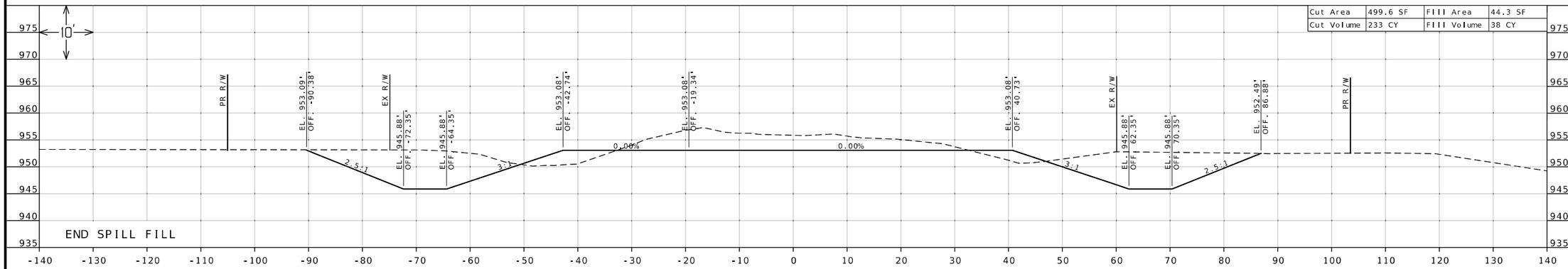
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:06:56 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

| | |
|---|---|
| DATE PREPARED | 12/2/2025 |
| ROUTE | VV |
| STATE | MO |
| DISTRICT | NW |
| SHEET NO. | 4 |
| COUNTY | NODAWAY |
| JOB NO. | JNW0046 |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

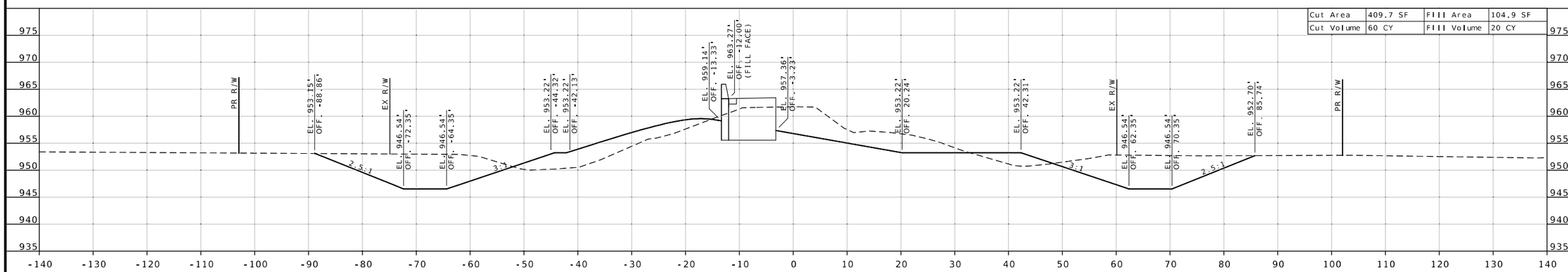
| DATE | DESCRIPTION |
|---|---|
| | |

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



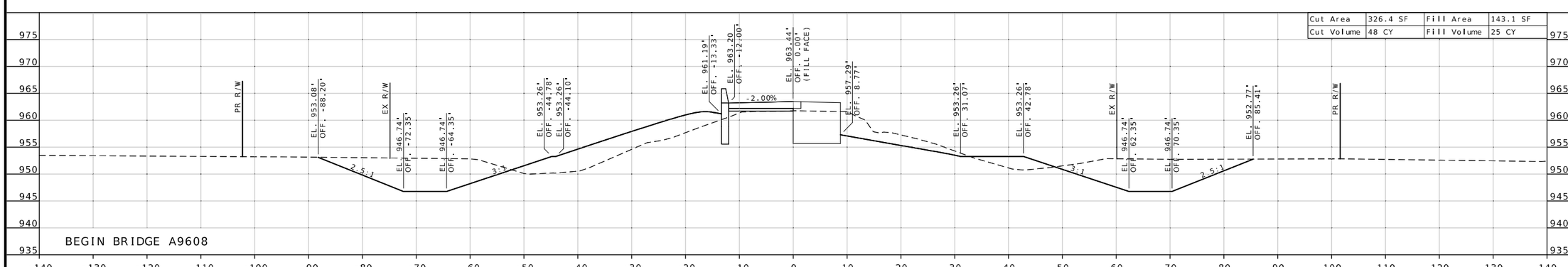

| | | | |
|---|---|---|---|
| Cut Area | 499.6 SF | Fill Area | 44.3 SF |
| Cut Volume | 233 CY | Fill Volume | 38 CY |

STA. 181+33.20




| | | | |
|---|---|---|---|
| Cut Area | 409.7 SF | Fill Area | 104.9 SF |
| Cut Volume | 60 CY | Fill Volume | 20 CY |

STA. 181+19.36




| | | | |
|---|---|---|---|
| Cut Area | 326.4 SF | Fill Area | 143.1 SF |
| Cut Volume | 48 CY | Fill Volume | 25 CY |

STA. 181+14.99

ROUTE VV
SHEET 5 OF 14

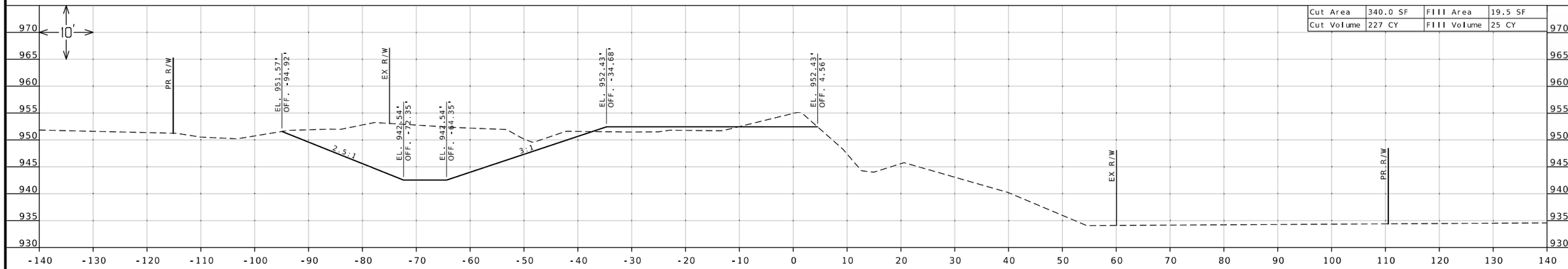
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:07:16 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

| | |
|---|---|
| DATE PREPARED | 12/2/2025 |
| ROUTE | VV |
| STATE | MO |
| DISTRICT | NW |
| SHEET NO. | 5 |
| COUNTY | NODAWAY |
| JOB NO. | JNW0046 |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

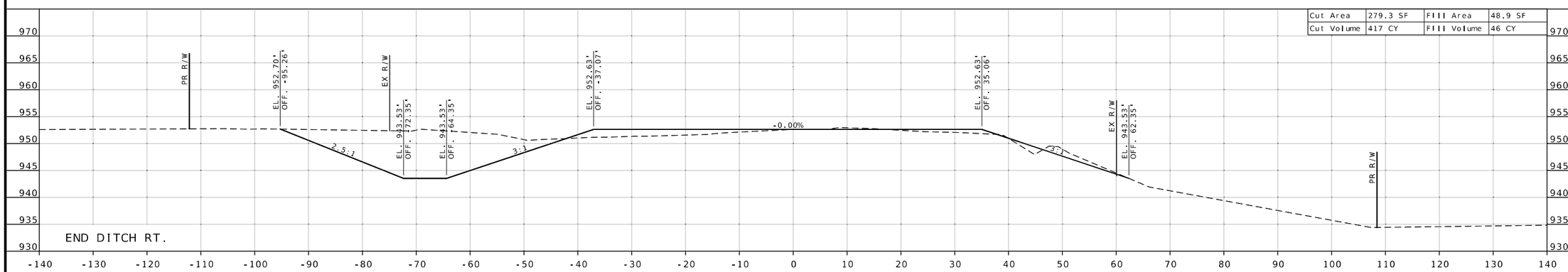
| DESCRIPTION | DATE |
|---|---|
| | |

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



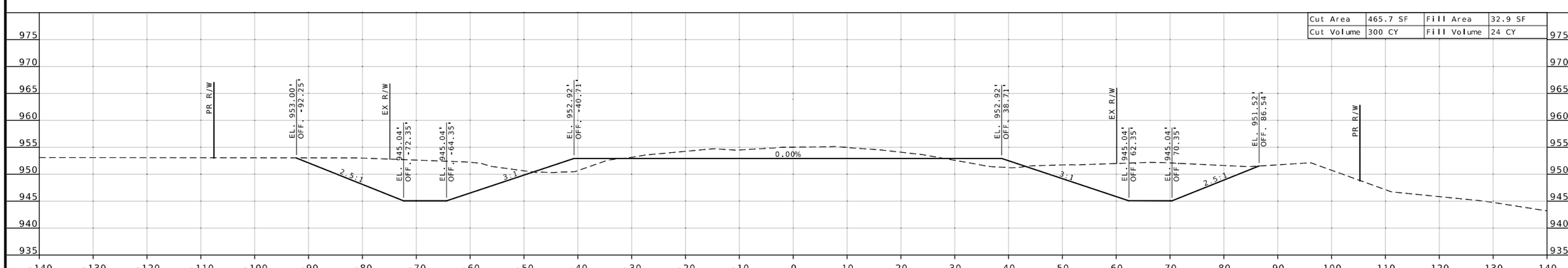

| | | | |
|---|---|---|---|
| Cut Area | 340.0 SF | Fill Area | 19.5 SF |
| Cut Volume | 227 CY | Fill Volume | 25 CY |

STA. 182+00.00




| | | | |
|---|---|---|---|
| Cut Area | 279.3 SF | Fill Area | 48.9 SF |
| Cut Volume | 417 CY | Fill Volume | 46 CY |

STA. 181+80.19




| | | | |
|---|---|---|---|
| Cut Area | 465.7 SF | Fill Area | 32.9 SF |
| Cut Volume | 300 CY | Fill Volume | 24 CY |

STA. 181+50.00

ROUTE VV
SHEET 6 OF 14

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:07:36 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
12/2/2025

| ROUTE | STATE |
|---|---|
| VV | MO |
| DISTRICT | SHEET NO. |
| NW | 6 |

COUNTY
NODAWAY

JOB NO.
JNW0046

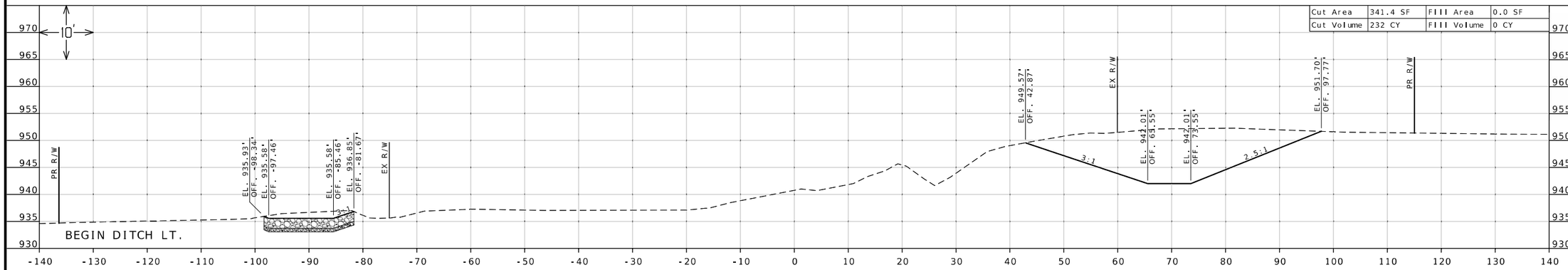
CONTRACT ID.

PROJECT NO.

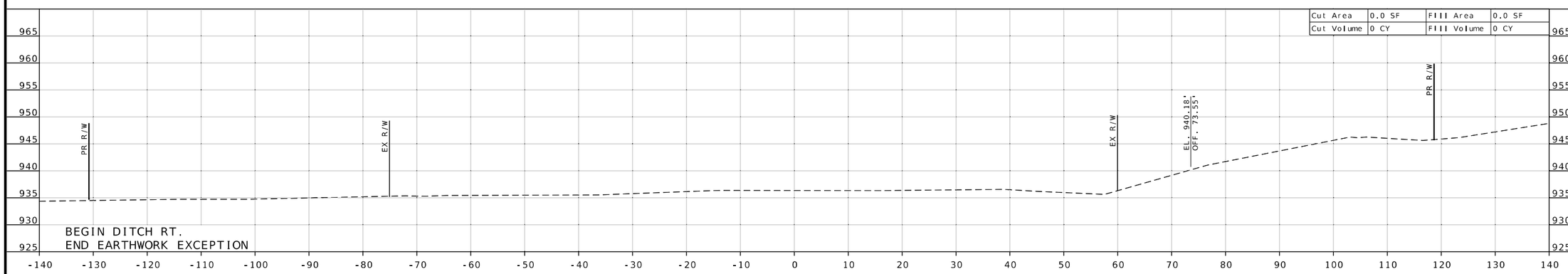
BRIDGE NO.

| DATE | DESCRIPTION |
|---|---|

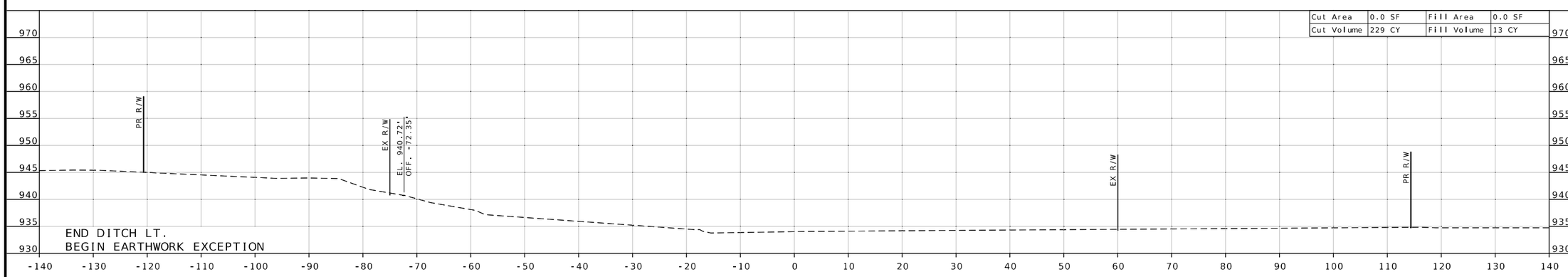
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)




STA. 183+40.00




STA. 183+03.33




STA. 182+36.38

ROUTE VV
SHEET 7 OF 14

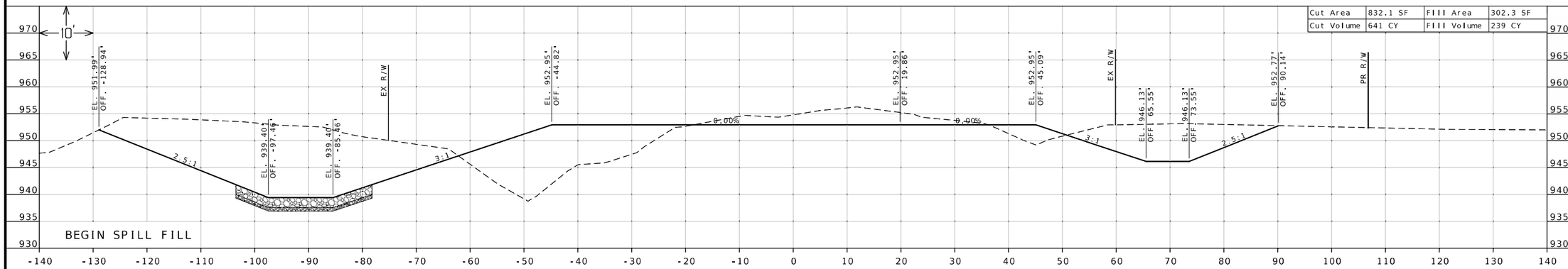
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:07:57 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

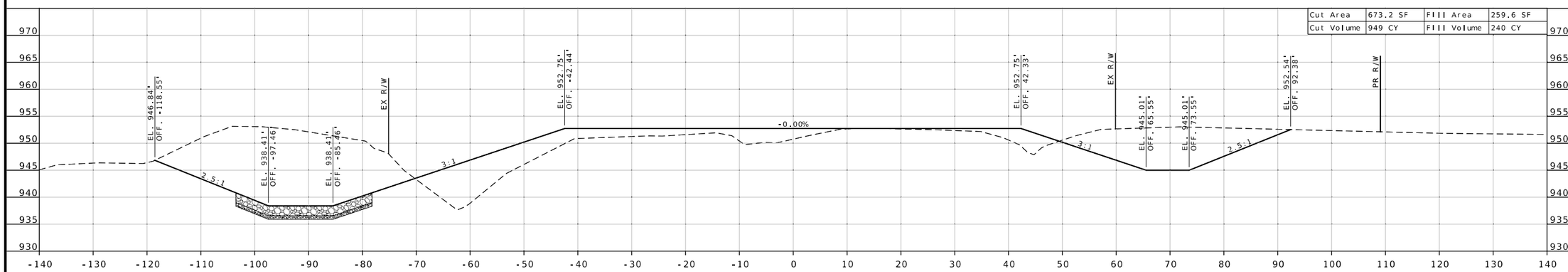
| DATE PREPARED | |
|---|---|
| 12/2/2025 | |
| ROUTE | STATE |
| VV | MO |
| DISTRICT | SHEET NO. |
| NW | 7 |
| COUNTY | |
| NODAWAY | |
| JOB NO. | |
| JNW0046 | |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|
| | |

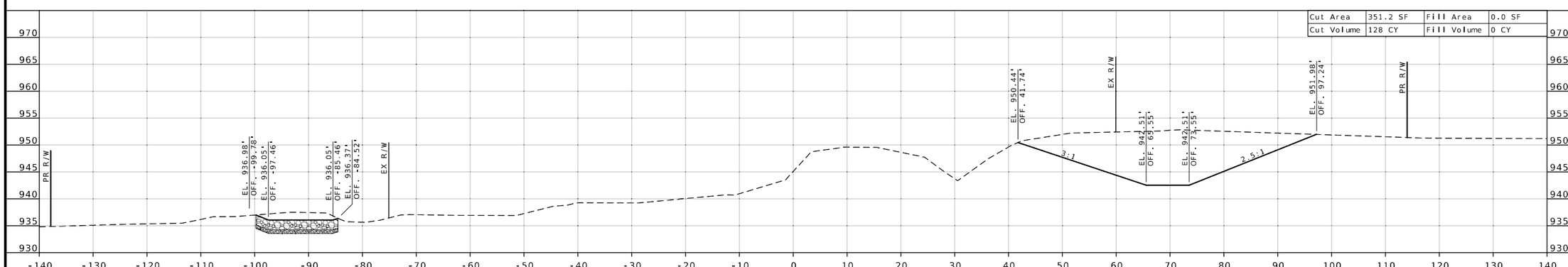
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)




STA. 184+23.01




STA. 184+00.00




STA. 183+50.00

ROUTE VV
SHEET 8 OF 14

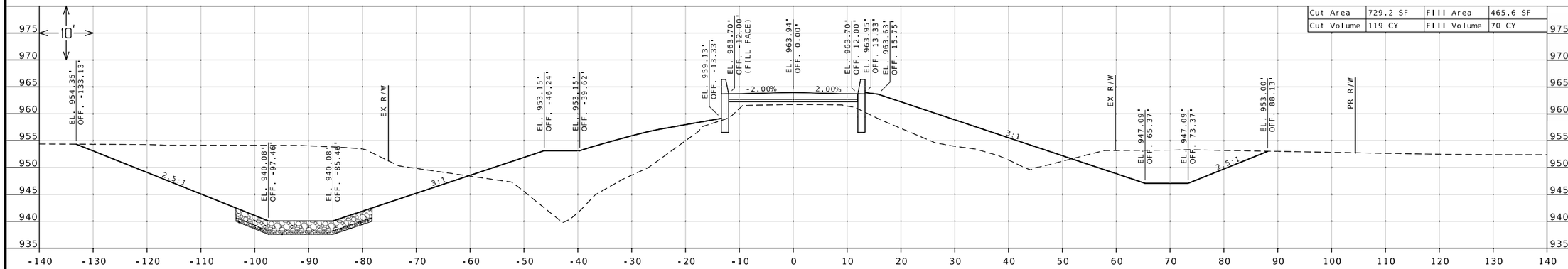
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

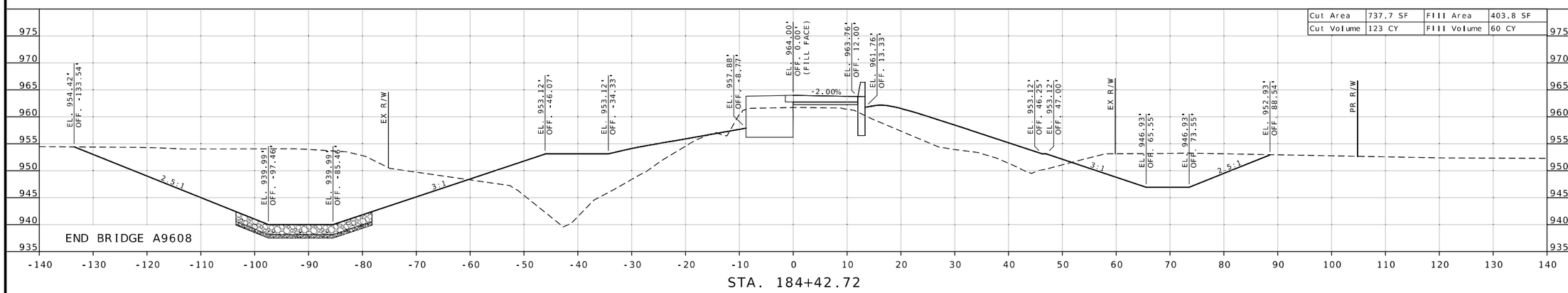
Brian M. Rosenthal
12/08/2025 4:08:15 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

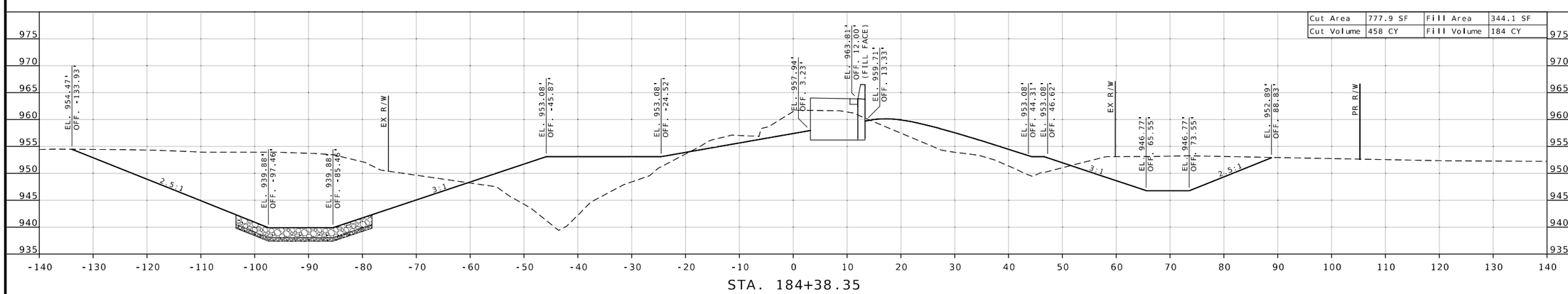
| | |
|---|---|
| DATE PREPARED | 12/2/2025 |
| ROUTE | VV |
| STATE | MO |
| DISTRICT | NW |
| SHEET NO. | 8 |
| COUNTY | NODAWAY |
| JOB NO. | JNW0046 |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)




ROUTE VV
SHEET 9 OF 14

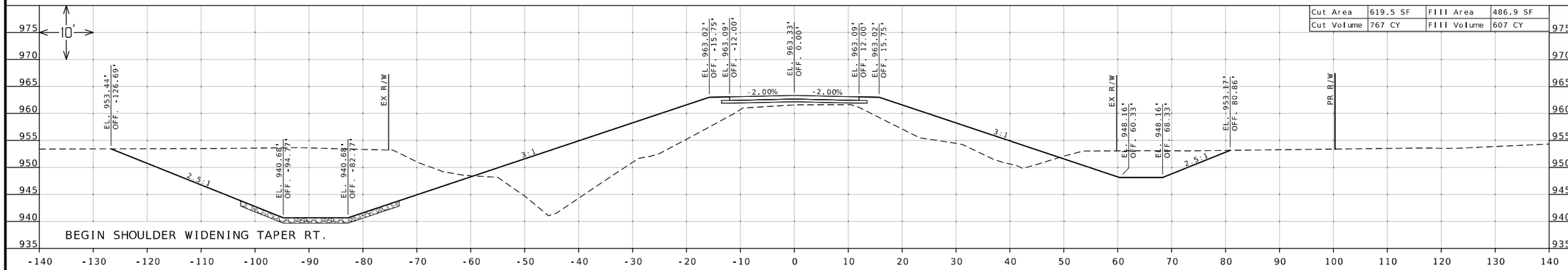
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:08:39 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

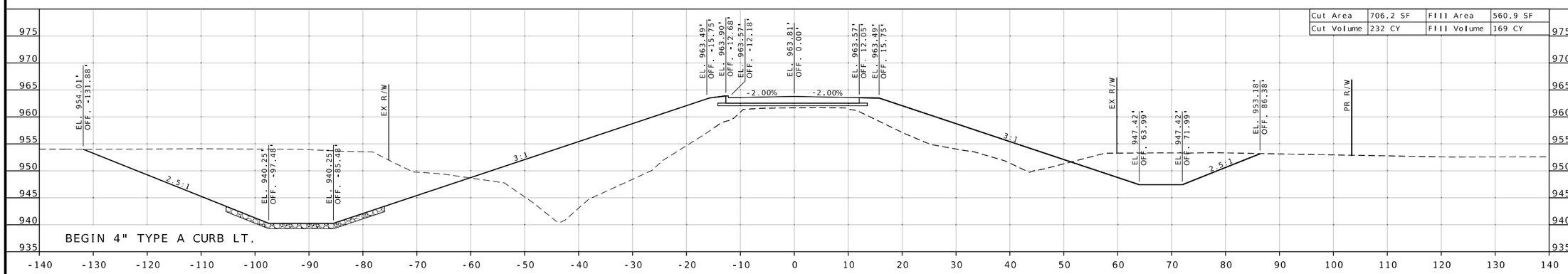
| | |
|---|---|
| DATE PREPARED | 12/2/2025 |
| ROUTE | VV |
| STATE | MO |
| DISTRICT | NW |
| SHEET NO. | 9 |
| COUNTY | NODAWAY |
| JOB NO. | JNW0046 |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|
| | |

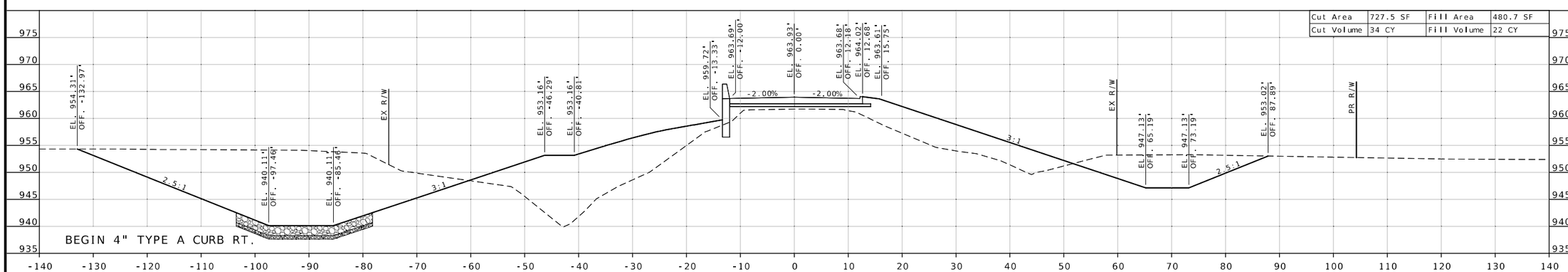
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)




STA. 184+88.35




STA. 184+57.09




STA. 184+48.35

ROUTE VV
SHEET 10 OF 14

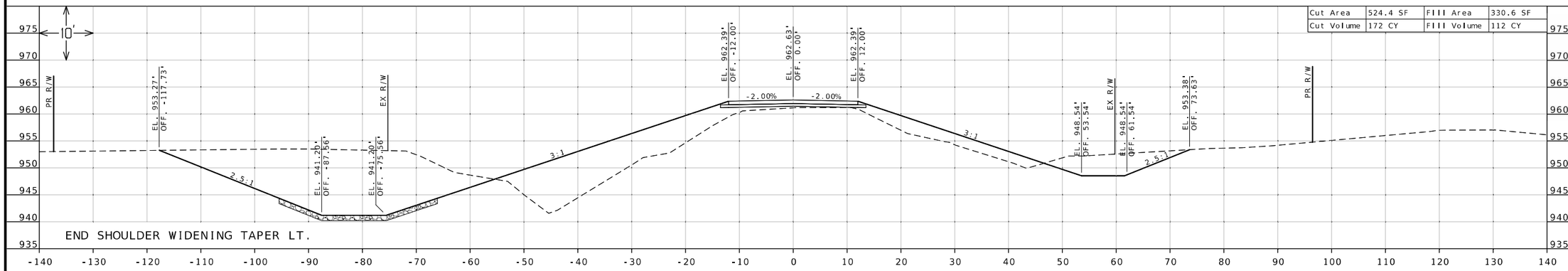
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:09:02 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

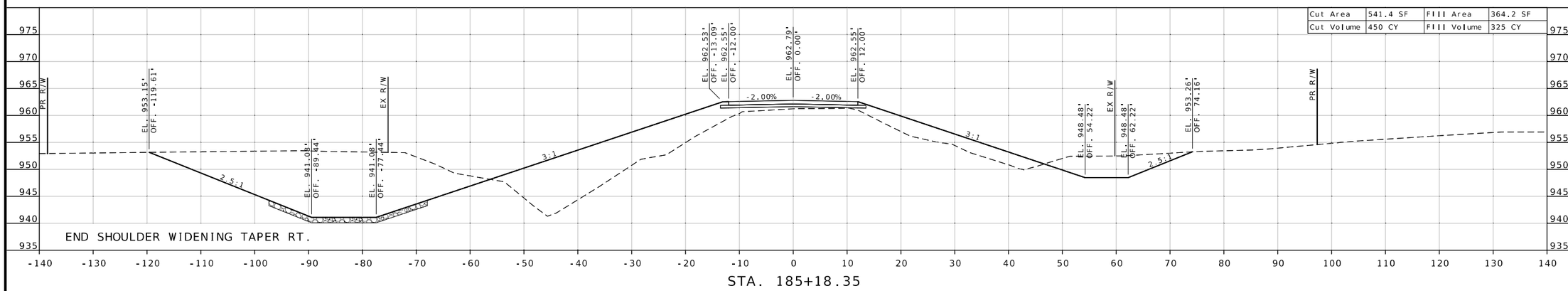
| | |
|---|---|
| DATE PREPARED | 12/2/2025 |
| ROUTE | VV |
| STATE | MO |
| DISTRICT | NW |
| SHEET NO. | 10 |
| COUNTY | NODAWAY |
| JOB NO. | JNW0046 |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|
| | |

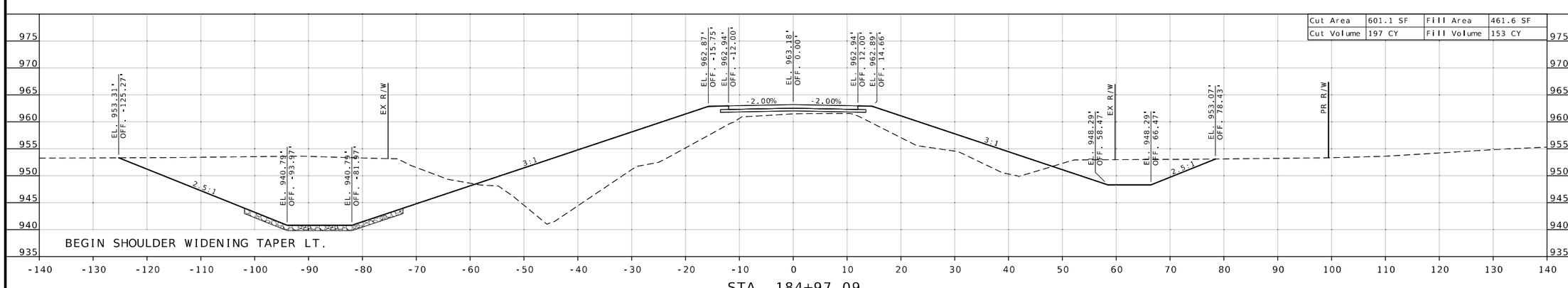
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)




| | | | |
|---|---|---|---|
| Cut Area | 524.4 SF | Fill Area | 330.6 SF |
| Cut Volume | 172 CY | Fill Volume | 112 CY |




| | | | |
|---|---|---|---|
| Cut Area | 541.4 SF | Fill Area | 364.2 SF |
| Cut Volume | 450 CY | Fill Volume | 325 CY |




| | | | |
|---|---|---|---|
| Cut Area | 601.1 SF | Fill Area | 461.6 SF |
| Cut Volume | 197 CY | Fill Volume | 153 CY |

ROUTE VV
SHEET 11 OF 14

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:09:23 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
12/2/2025

| ROUTE | STATE |
|---|---|
| VV | MO |
| DISTRICT | SHEET NO. |
| NW | 11 |

COUNTY
NODAWAY

JOB NO.
JNW0046

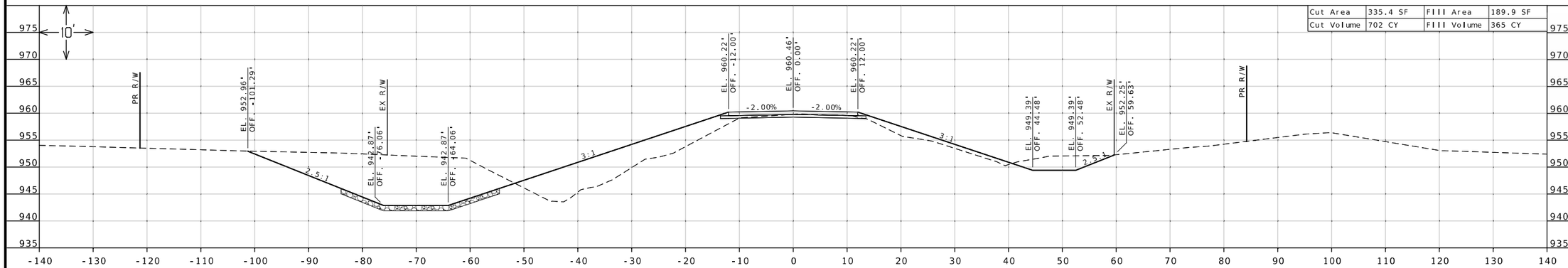
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

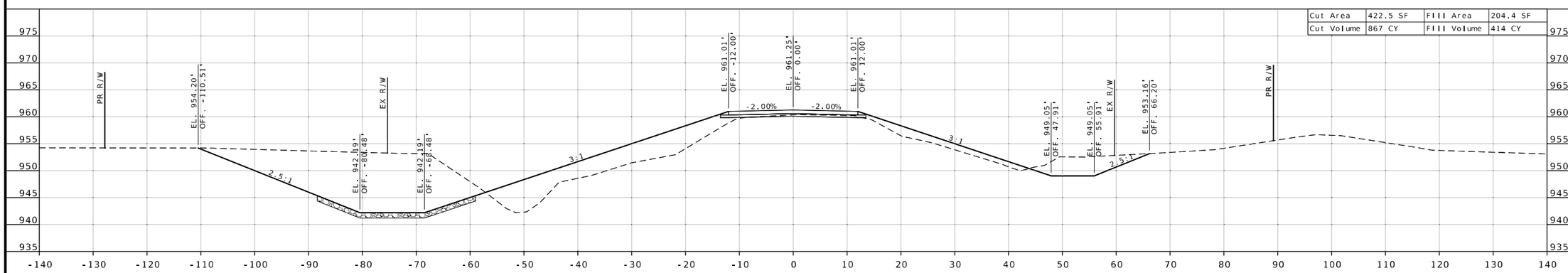
| DATE | DESCRIPTION |
|---|---|

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



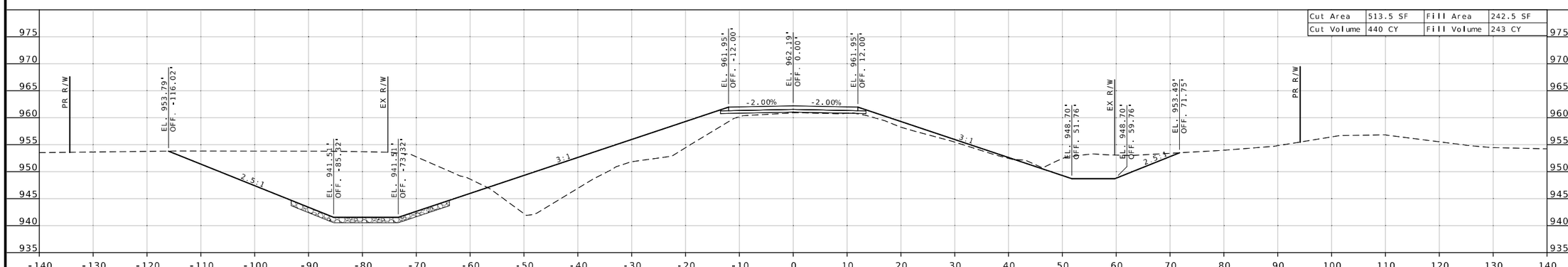

| | | | |
|---|---|---|---|
| Cut Area | 335.4 SF | Fill Area | 189.9 SF |
| Cut Volume | 702 CY | Fill Volume | 365 CY |

STA. 186+50.00




| | | | |
|---|---|---|---|
| Cut Area | 422.5 SF | Fill Area | 204.4 SF |
| Cut Volume | 867 CY | Fill Volume | 414 CY |

STA. 186+00.00




| | | | |
|---|---|---|---|
| Cut Area | 513.5 SF | Fill Area | 242.5 SF |
| Cut Volume | 440 CY | Fill Volume | 243 CY |

STA. 185+50.00

ROUTE VV
SHEET 12 OF 14

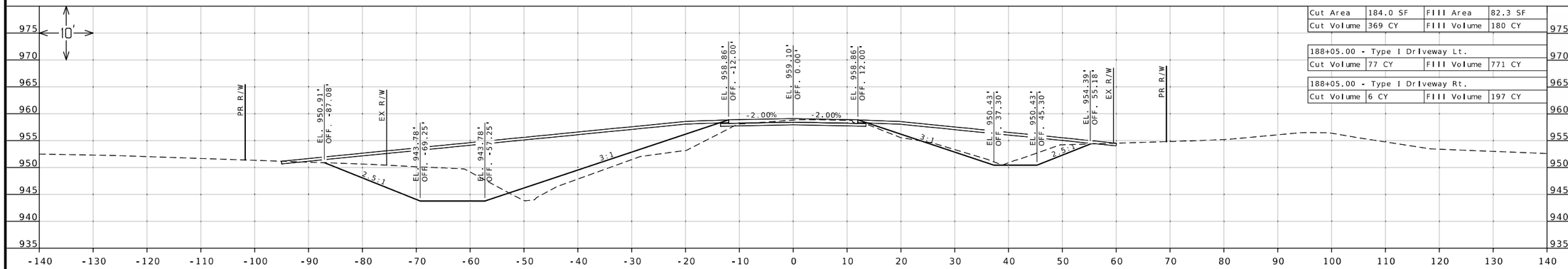
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:09:57 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

| | |
|---|---|
| DATE PREPARED | 12/2/2025 |
| ROUTE | VV |
| STATE | MO |
| DISTRICT | NW |
| SHEET NO. | 12 |
| COUNTY | NODAWAY |
| JOB NO. | JNW0046 |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|
| | |

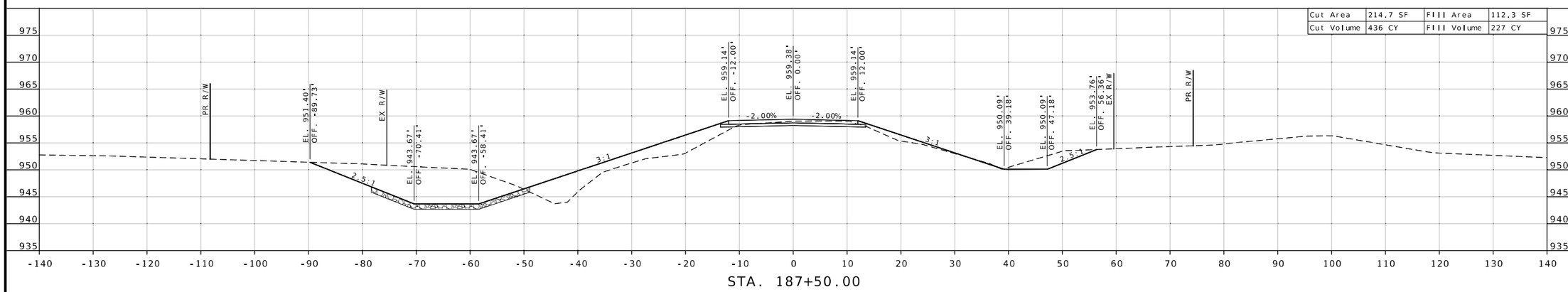
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



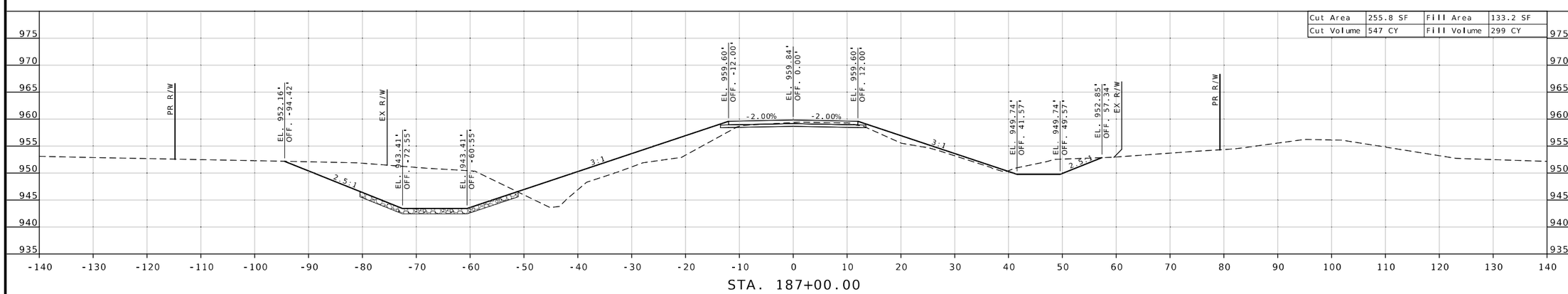

| | | | |
|---|---|---|---|
| Cut Area | 184.0 SF | Fill Area | 82.3 SF |
| Cut Volume | 369 CY | Fill Volume | 180 CY |

| 188+05.00 - Type I Driveway Lt. | | | |
|---|---|---|---|
| Cut Volume | 77 CY | Fill Volume | 771 CY |

| 188+05.00 - Type I Driveway Rt. | | | |
|---|---|---|---|
| Cut Volume | 6 CY | Fill Volume | 197 CY |




| | | | |
|---|---|---|---|
| Cut Area | 214.7 SF | Fill Area | 112.3 SF |
| Cut Volume | 436 CY | Fill Volume | 227 CY |




| | | | |
|---|---|---|---|
| Cut Area | 255.8 SF | Fill Area | 133.2 SF |
| Cut Volume | 547 CY | Fill Volume | 299 CY |

ROUTE VV
SHEET 13 OF 14

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:10:17 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
12/2/2025

| ROUTE | STATE |
|---|---|
| VV | MO |
| DISTRICT | SHEET NO. |
| NW | 13 |

COUNTY
NODAWAY

JOB NO.
JNW0046

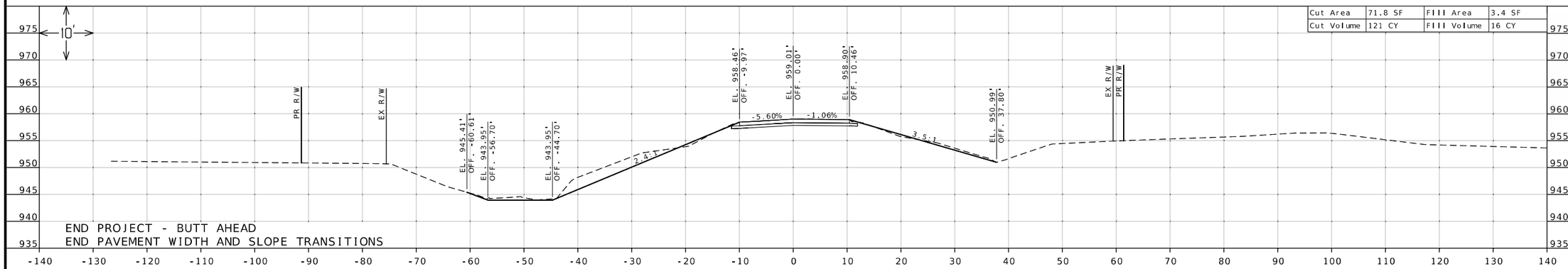
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

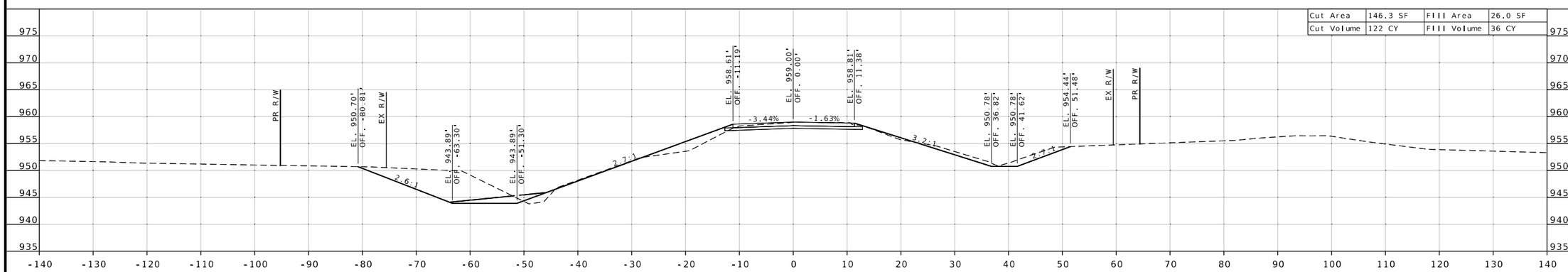
| DATE | DESCRIPTION |
|---|---|

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



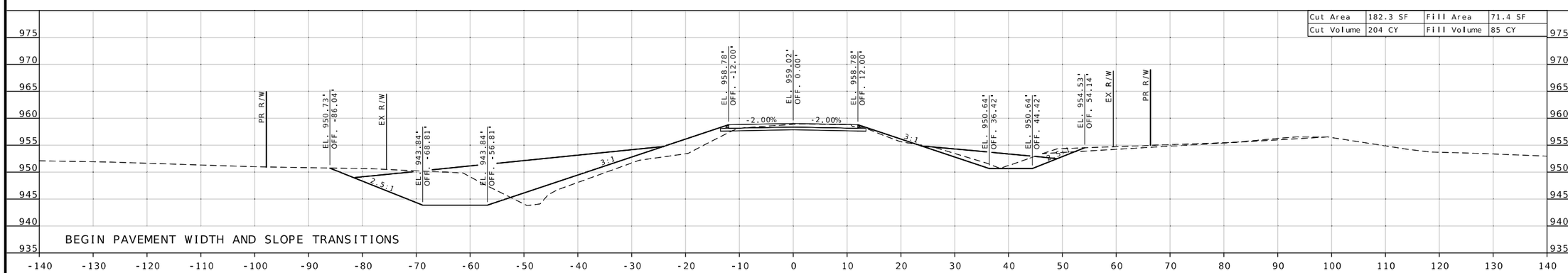

| | | | |
|---|---|---|---|
| Cut Area | 71.8 SF | Fill Area | 3.4 SF |
| Cut Volume | 121 CY | Fill Volume | 16 CY |

STA. 188+80.00




| | | | |
|---|---|---|---|
| Cut Area | 146.3 SF | Fill Area | 26.0 SF |
| Cut Volume | 122 CY | Fill Volume | 36 CY |

STA. 188+50.00




| | | | |
|---|---|---|---|
| Cut Area | 182.3 SF | Fill Area | 71.4 SF |
| Cut Volume | 204 CY | Fill Volume | 85 CY |

STA. 188+30.00

ROUTE VV
SHEET 14 OF 14

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:10:41 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
12/2/2025

| ROUTE | STATE |
|---|---|
| VV | MO |
| DISTRICT | SHEET NO. |
| NW | 14 |

COUNTY
NODAWAY

JOB NO.
JNW0046

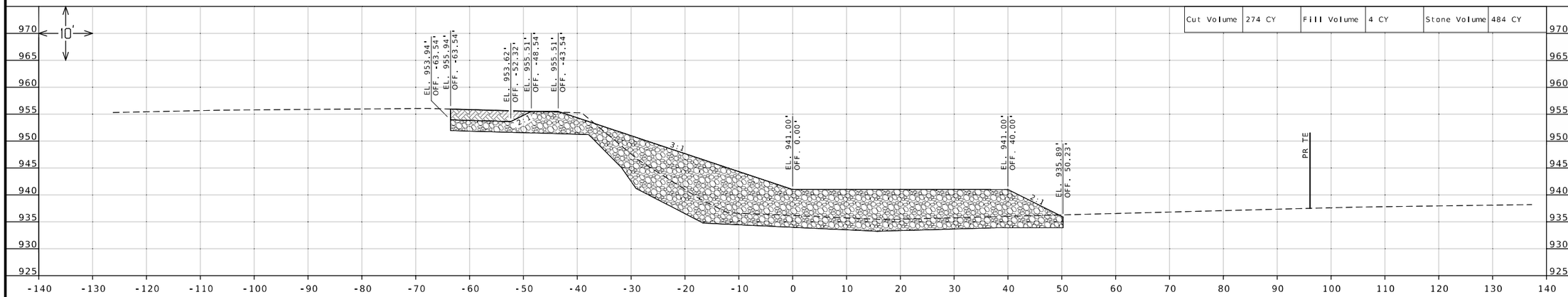
CONTRACT ID.

PROJECT NO.

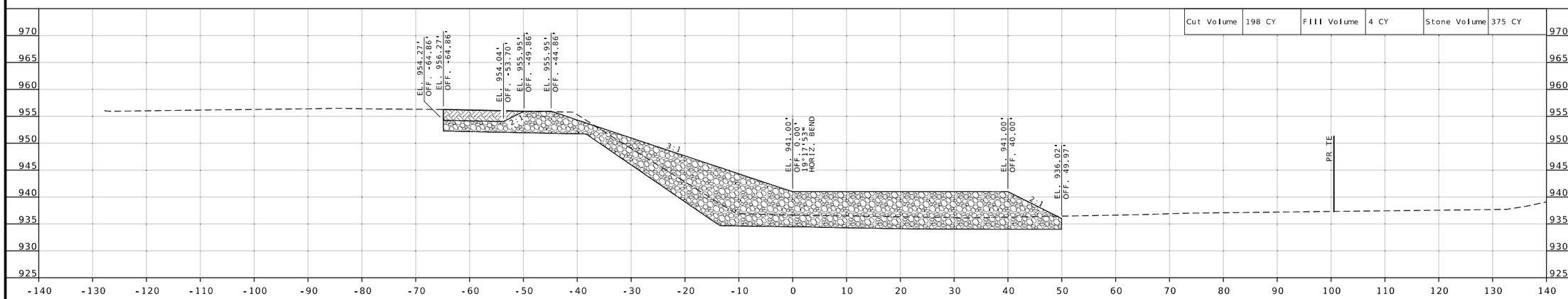
BRIDGE NO.

| DATE | DESCRIPTION |
|---|---|

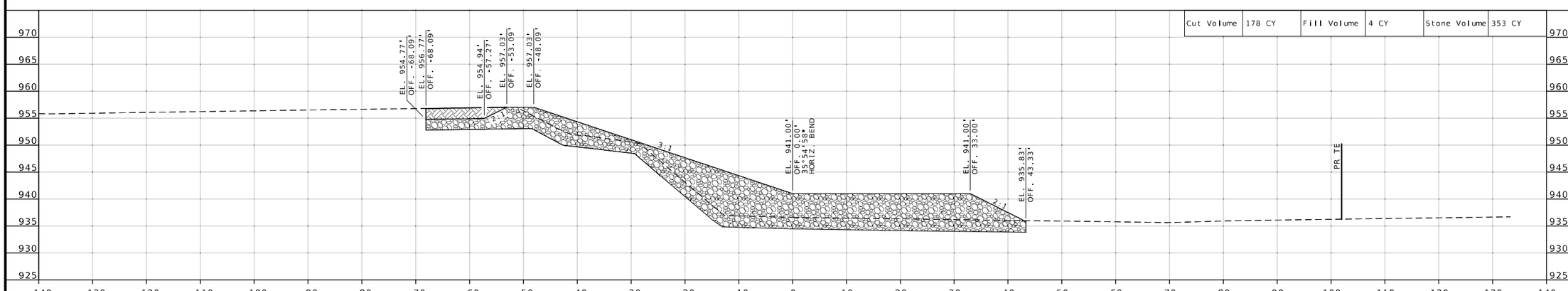
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)




BENDWAY WEIR NO. 3 - STA. 4+65.12




BENDWAY WEIR NO. 2 - STA. 2+13.07




BENDWAY WEIR NO. 1 - STA. 0+35.00

NOTES: STATIONING IS FROM ℄ LONGITUDINAL PEAK STONE TOE PROTECTION.
SECTIONS ARE NOT CUT PERPINDICULAR TO BASELINE, THEY ARE ALONG THE CENTERLINE OF THE WEIR.

BENDWAY WEIRS
SHEET 1 OF 2

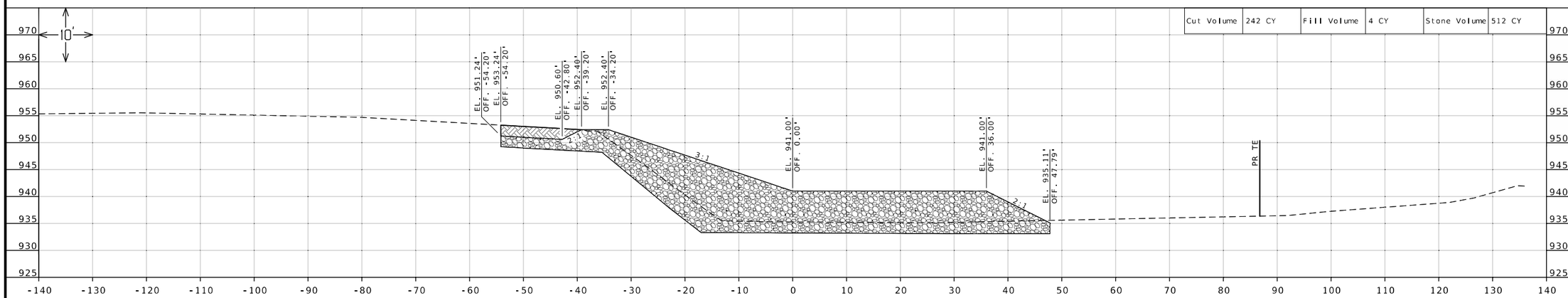
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:11:02 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

| | |
|---|---|
| DATE PREPARED | 12/2/2025 |
| ROUTE | VV |
| STATE | MO |
| DISTRICT | NW |
| SHEET NO. | 15 |
| COUNTY | NODAWAY |
| JOB NO. | JNW0046 |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|
| | |

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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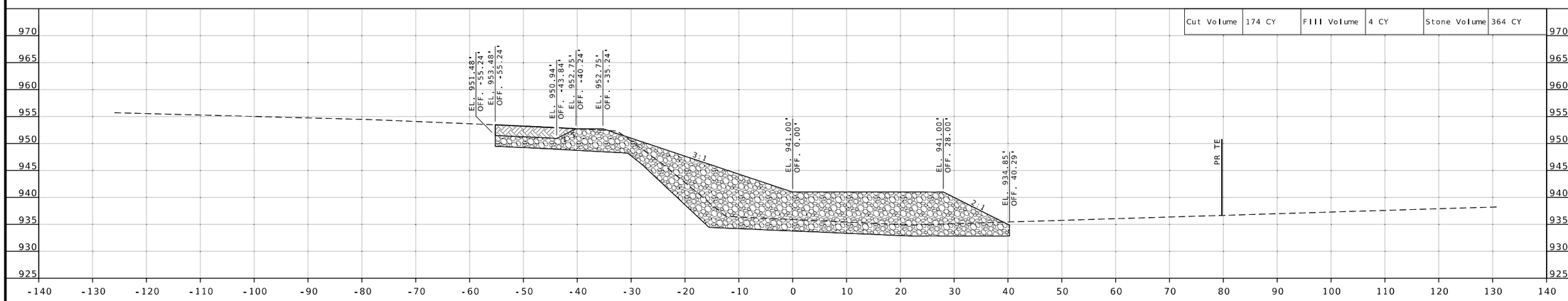
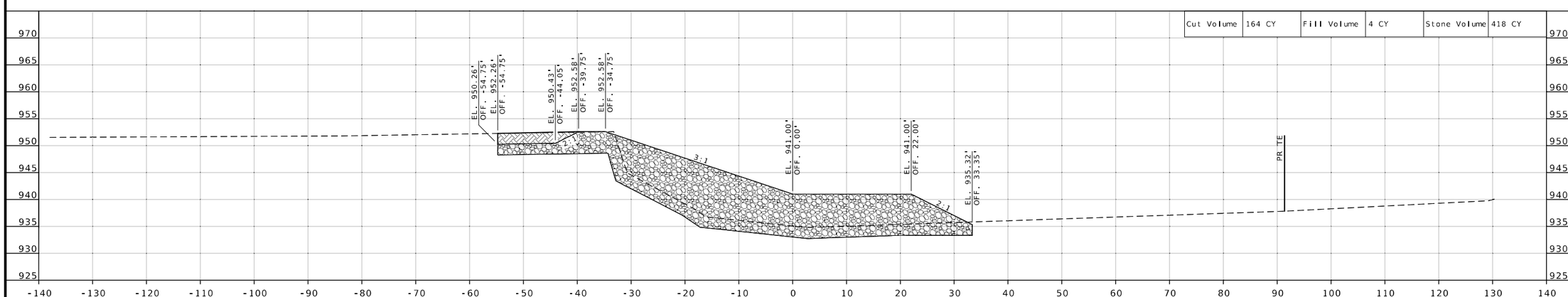



BENDWAY WEIR NO. 5 - STA. 8+62.29




BENDWAY WEIR NO. 4 - STA. 6+64.01

NOTES: STATIONING IS FROM ℄ LONGITUDINAL PEAK STONE TOE PROTECTION.
SECTIONS ARE NOT CUT PERPINDICULAR TO BASELINE, THEY ARE ALONG THE CENTERLINE OF THE WEIR.

BENDWAY WEIRS
SHEET 2 OF 2

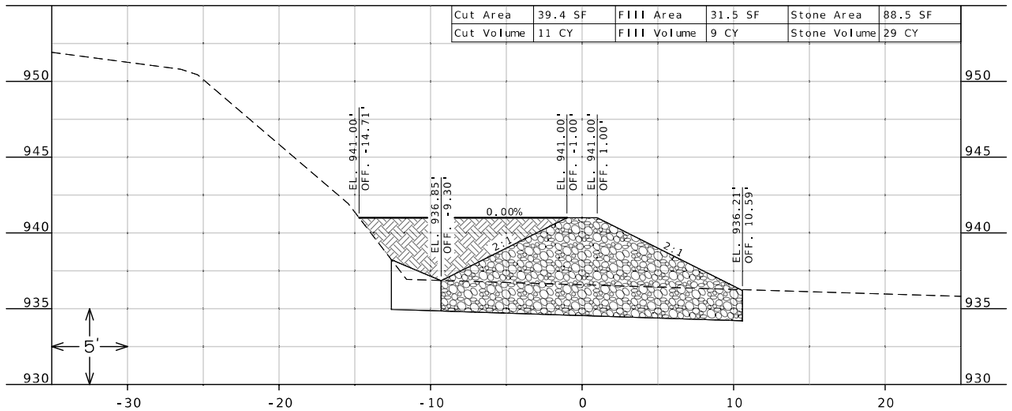
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:11:31 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

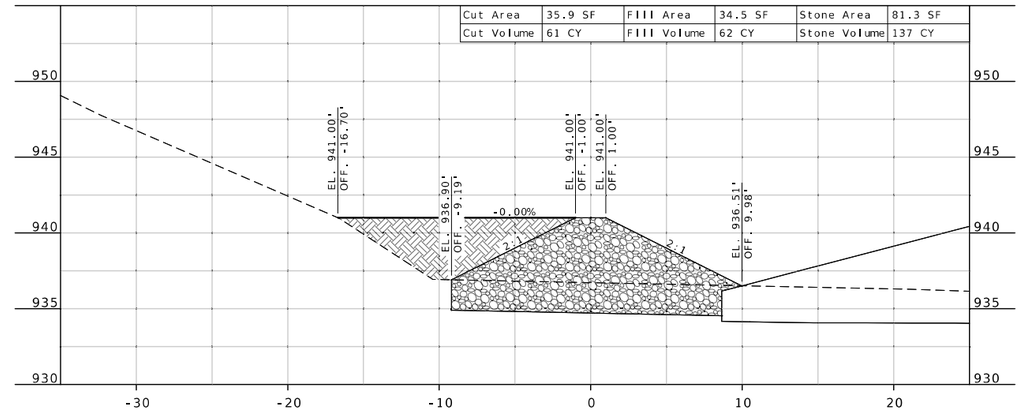
| | |
|---|---|
| DATE PREPARED | 12/2/2025 |
| ROUTE | VV |
| STATE | MO |
| DISTRICT | NW |
| SHEET NO. | 16 |
| COUNTY | NODAWAY |
| JOB NO. | JNW0046 |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|

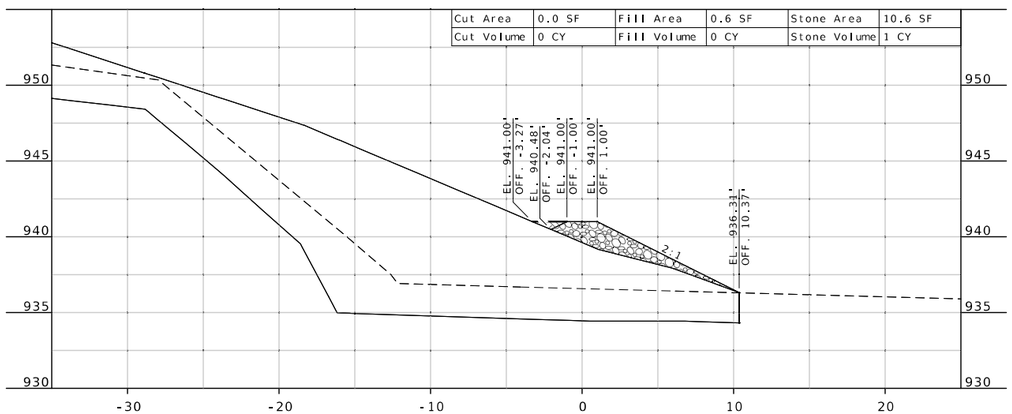
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



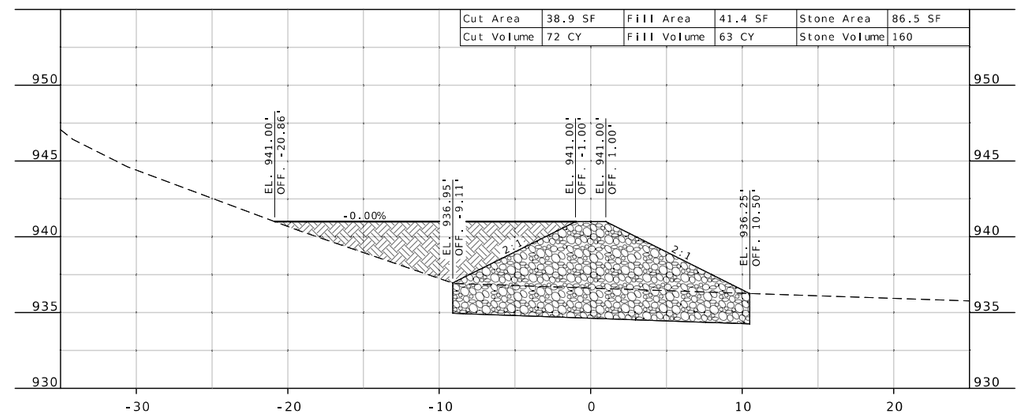

STA. 0+56.21



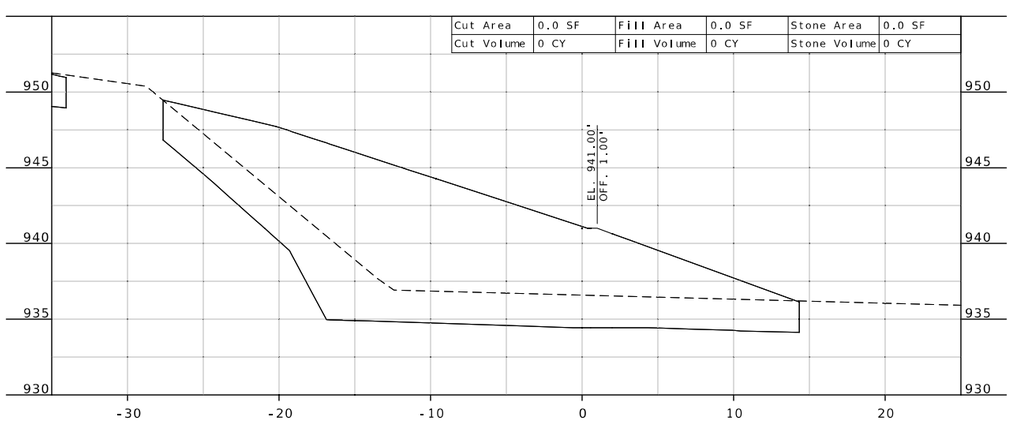

STA. 1+94.07



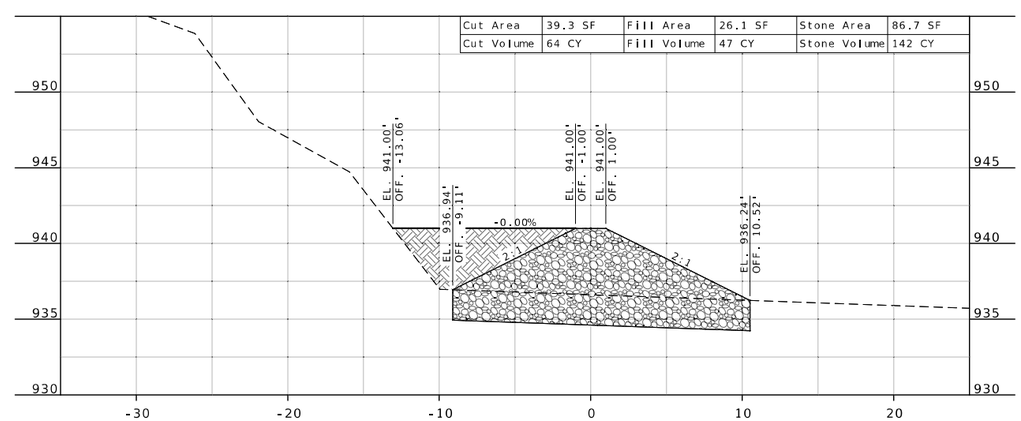

STA. 0+40.57




STA. 1+50.00




STA. 0+36.86




STA. 1+00.00

LONGITUDINAL PEAK
STONE TOE PROTECTION
SHEET 1 OF 9

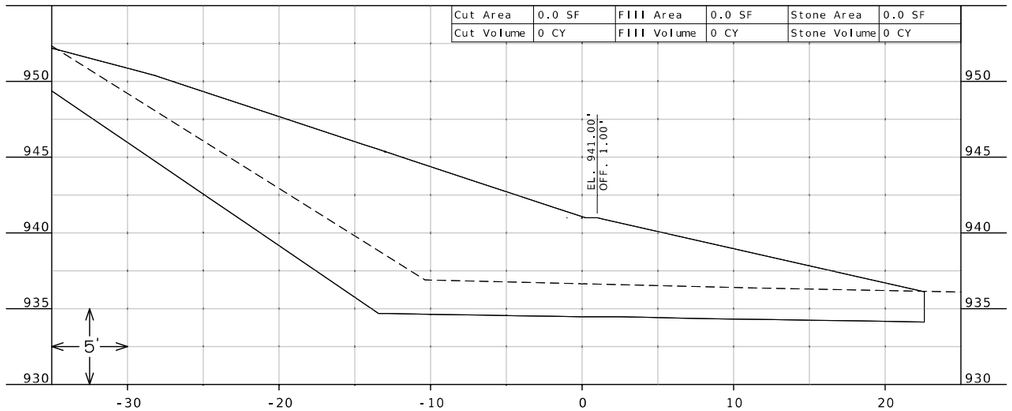
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:11:54 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

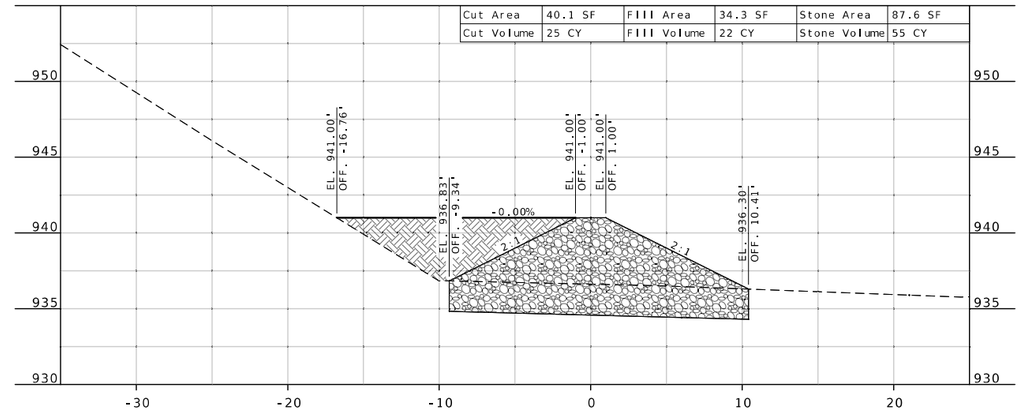
| DATE PREPARED | |
|---|---|
| 12/2/2025 | |
| ROUTE | STATE |
| VV | MO |
| DISTRICT | SHEET NO. |
| NW | 17 |
| COUNTY | |
| NODAWAY | |
| JOB NO. | |
| JNW0046 | |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|
| | |

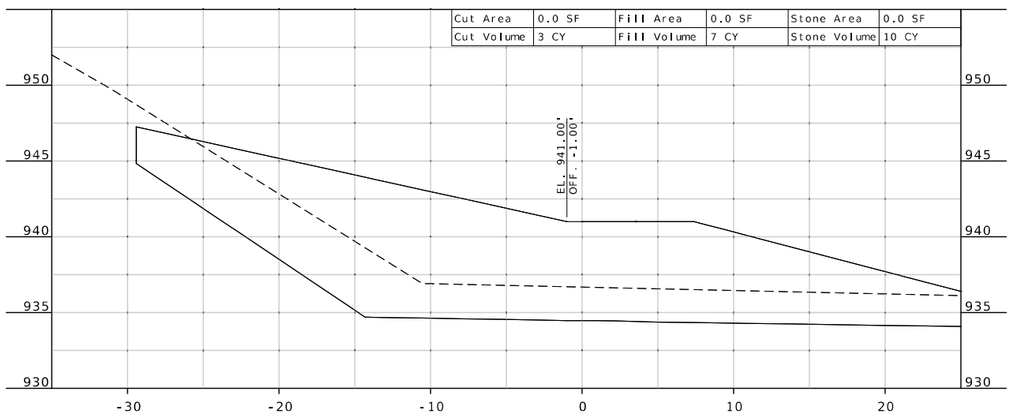
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



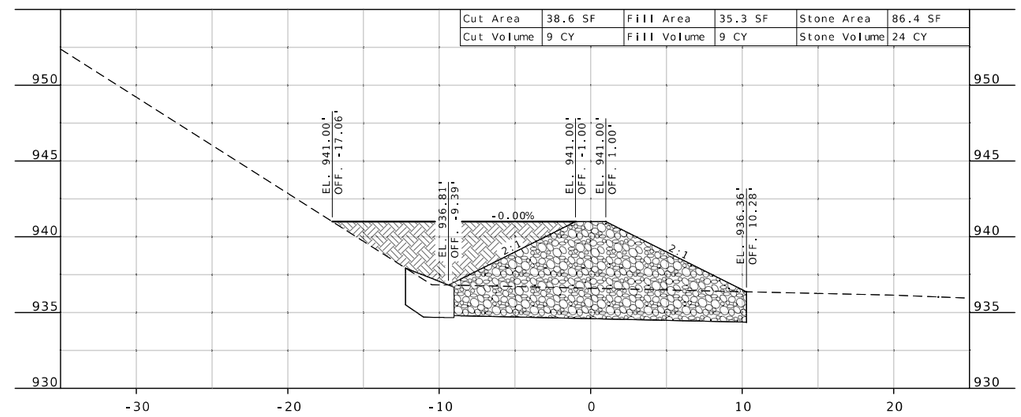

STA. 2+14.81



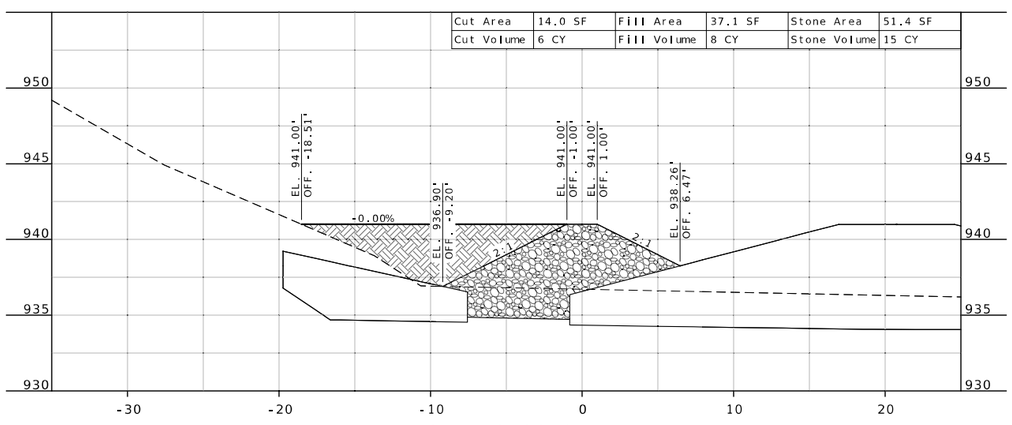

STA. 2+50.00



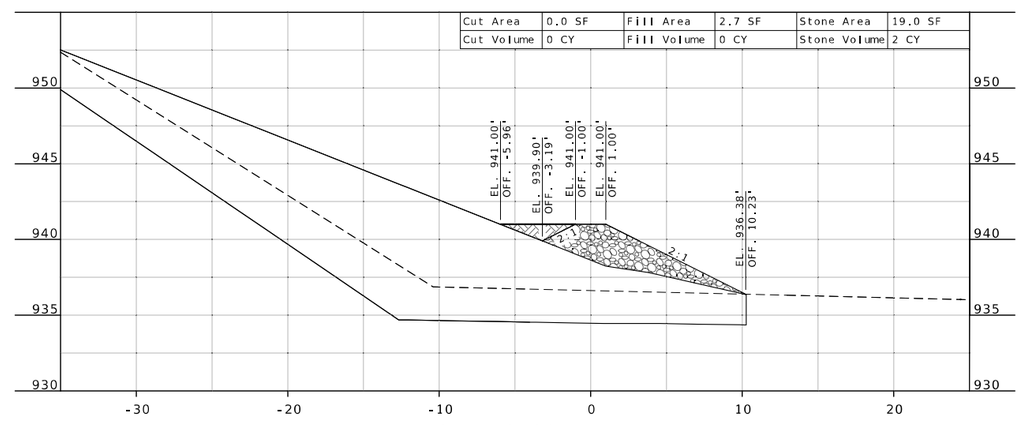

STA. 2+10.89




STA. 2+32.80




STA. 2+00.34




STA. 2+20.51

LONGITUDINAL PEAK
STONE TOE PROTECTION
SHEET 2 OF 9

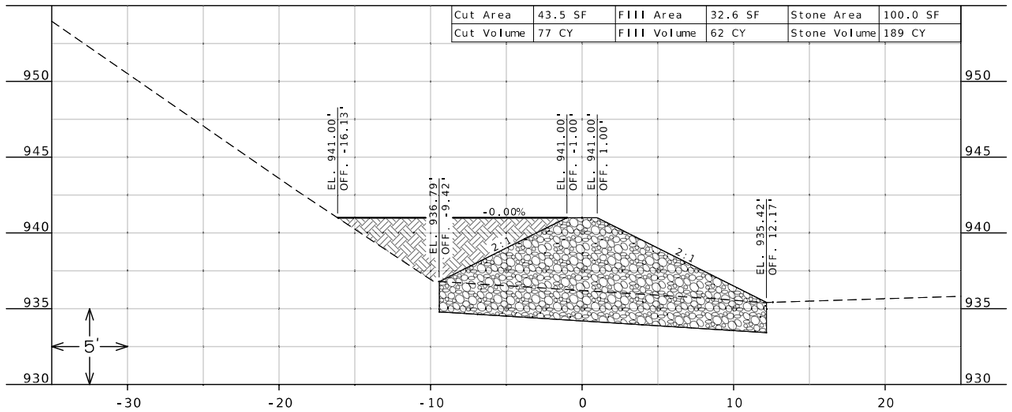
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:12:16 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

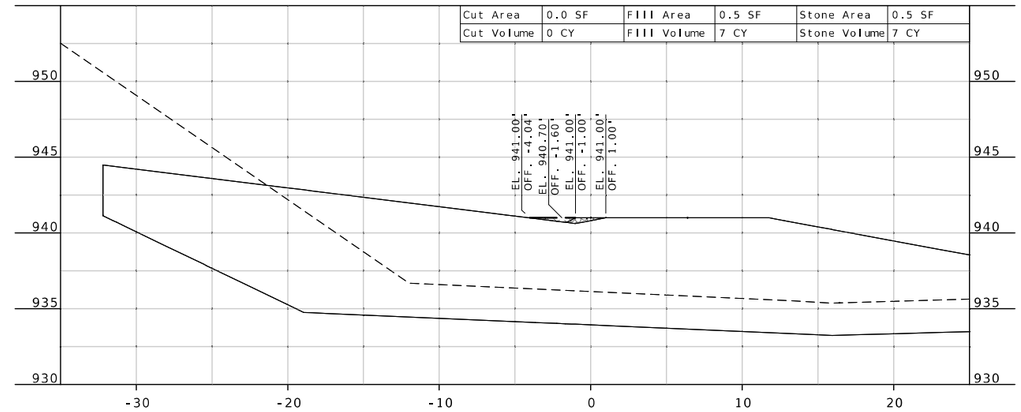
| DATE PREPARED | |
|---|---|
| 12/2/2025 | |
| ROUTE | STATE |
| VV | MO |
| DISTRICT | SHEET NO. |
| NW | 18 |
| COUNTY | |
| NODAWAY | |
| JOB NO. | |
| JNW0046 | |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DESCRIPTION | DATE |
|---|---|
| | |

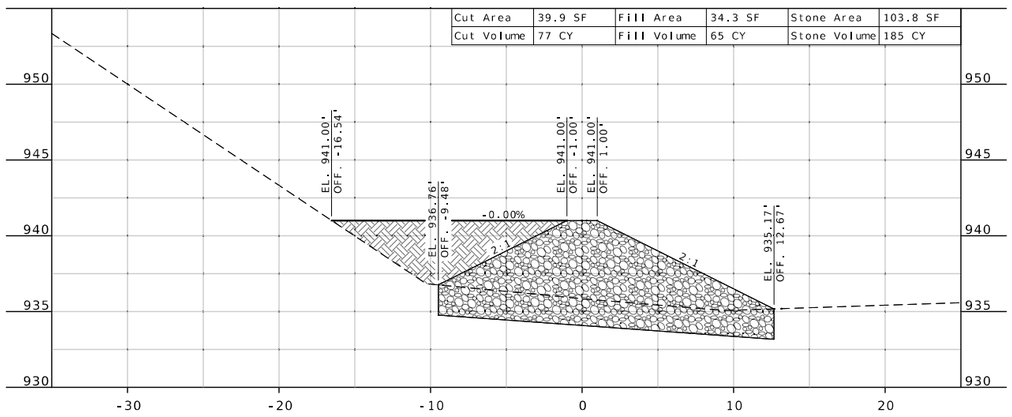
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



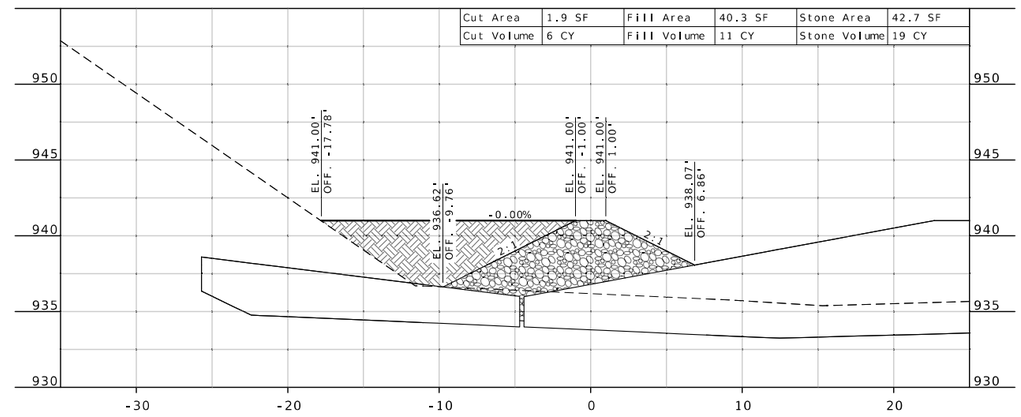

STA. 4+00.00



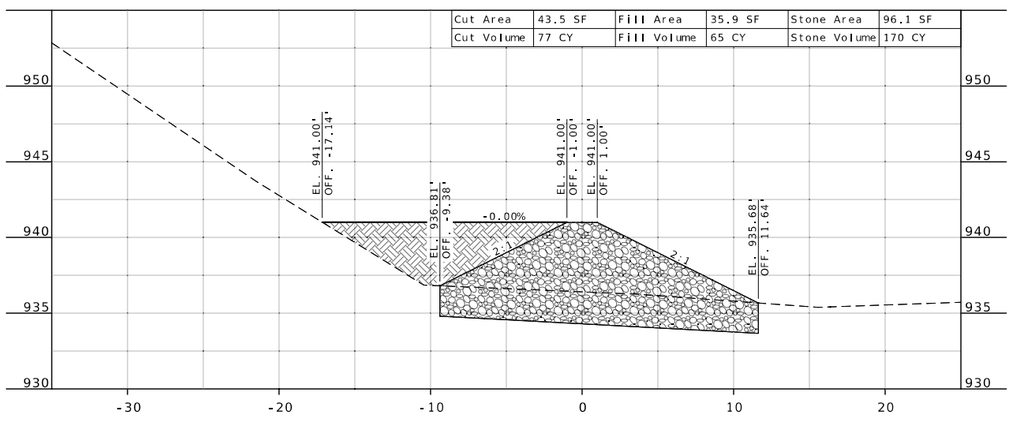

STA. 4+62.57



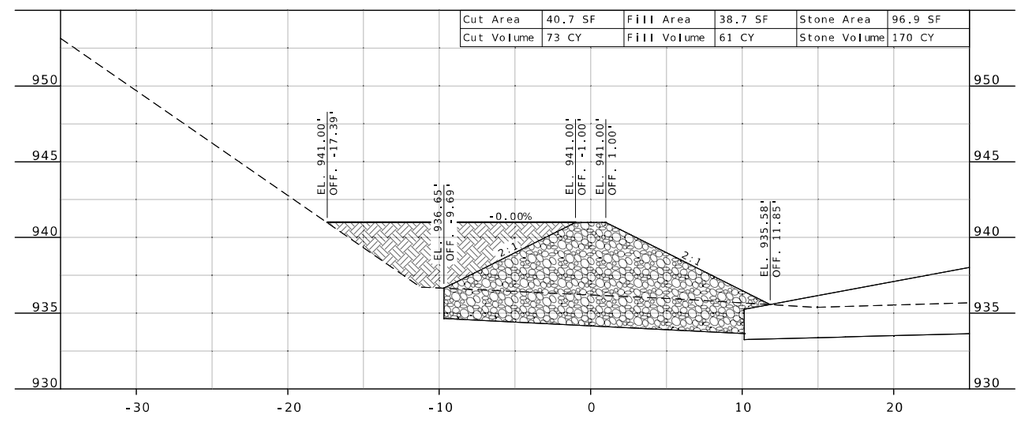

STA. 3+50.00




STA. 4+53.91




STA. 3+00.00




STA. 4+46.55

LONGITUDINAL PEAK
STONE TOE PROTECTION
SHEET 3 OF 9

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

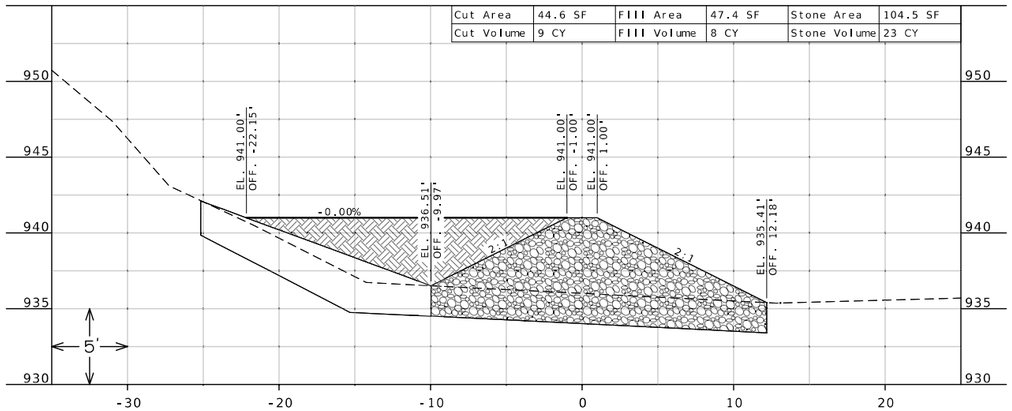
Brian M. Rosenthal
12/08/2025 4:12:38 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

| DATE PREPARED | |
|---|---|
| 12/2/2025 | |
| ROUTE | STATE |
| VV | MO |
| DISTRICT | SHEET NO. |
| NW | 19 |
| COUNTY | |
| NODAWAY | |
| JOB NO. | |
| JNW0046 | |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

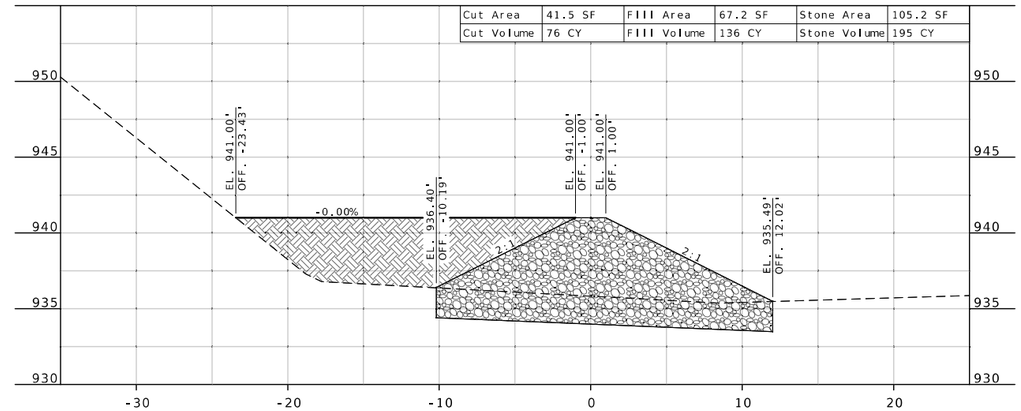
| DATE | DESCRIPTION |
|---|---|

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

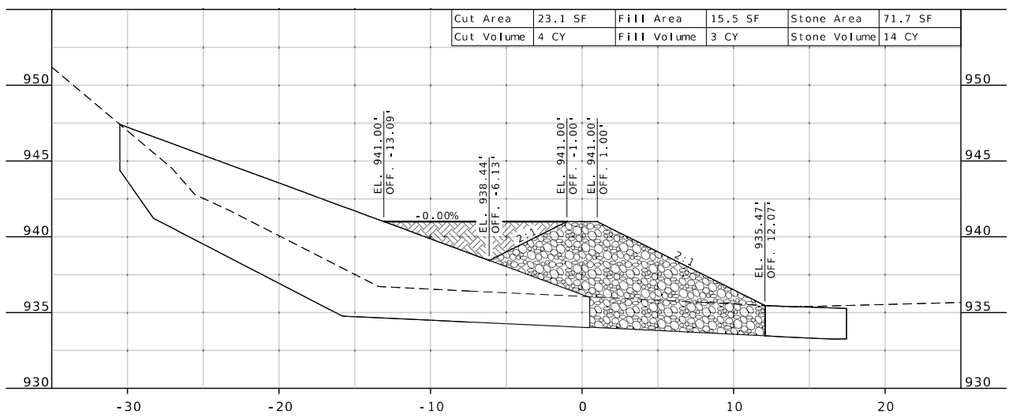
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



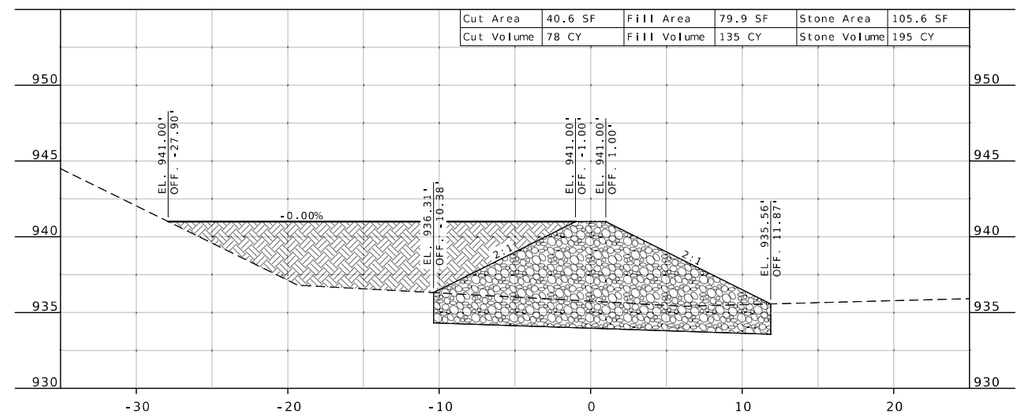

STA. 4+84.40



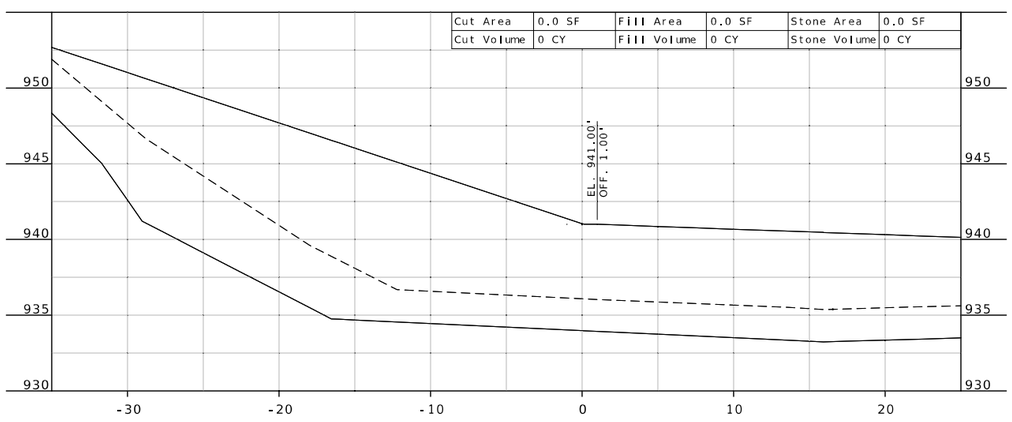

STA. 6+00.00



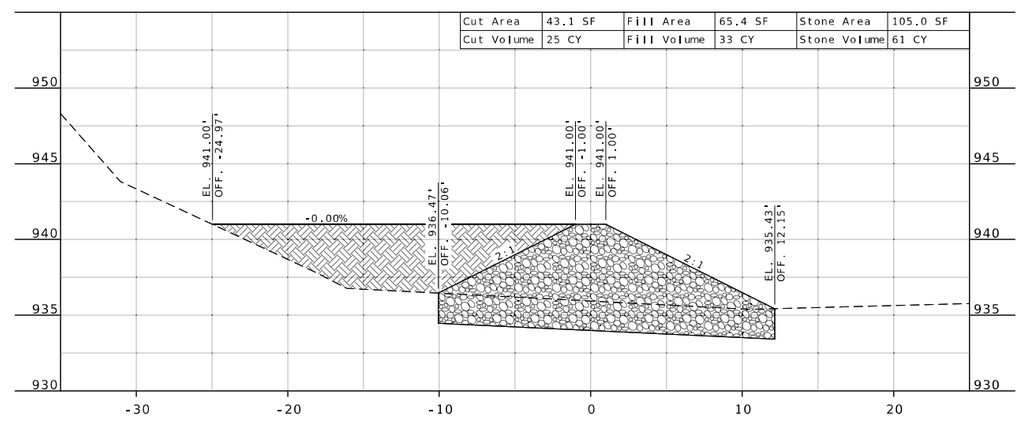

STA. 4+77.37




STA. 5+50.00




STA. 4+67.05




STA. 5+00.00

LONGITUDINAL PEAK
STONE TOE PROTECTION
SHEET 4 OF 9

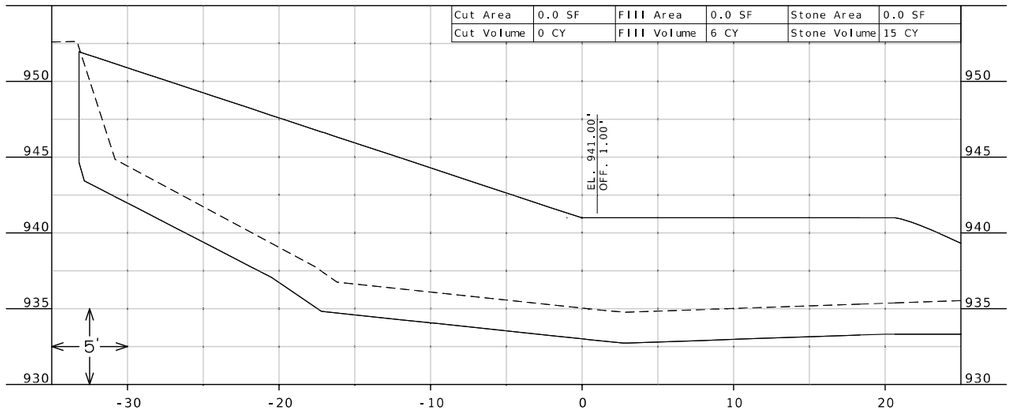
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:13:01 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

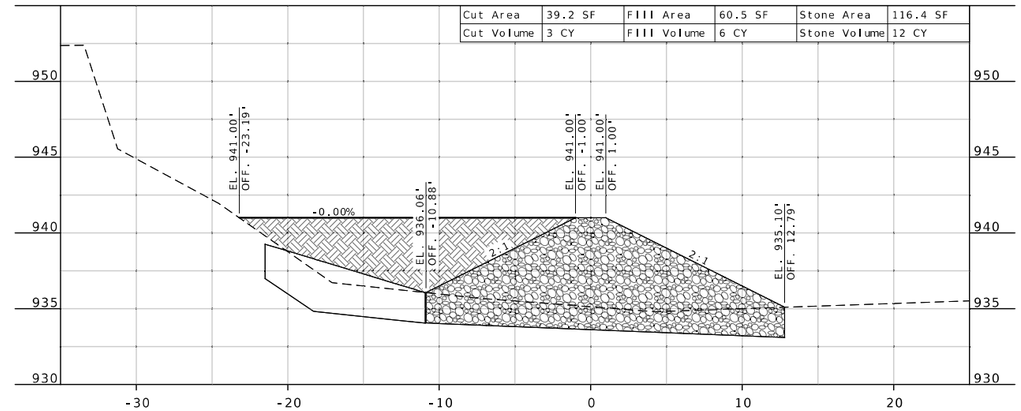
| DATE PREPARED | |
|---|---|
| 12/2/2025 | |
| ROUTE: VV | STATE: MO |
| DISTRICT: NW | SHEET NO.: 20 |
| COUNTY: NODAWAY | |
| JOB NO.: JNW0046 | |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|
| | |

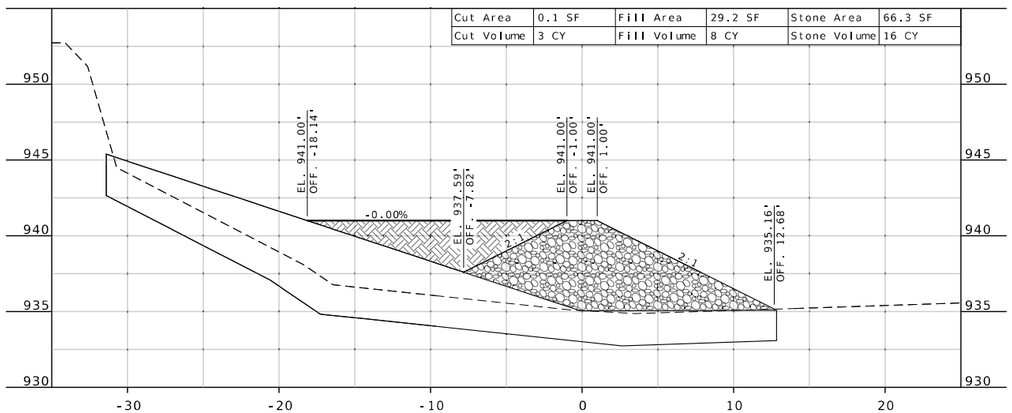
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



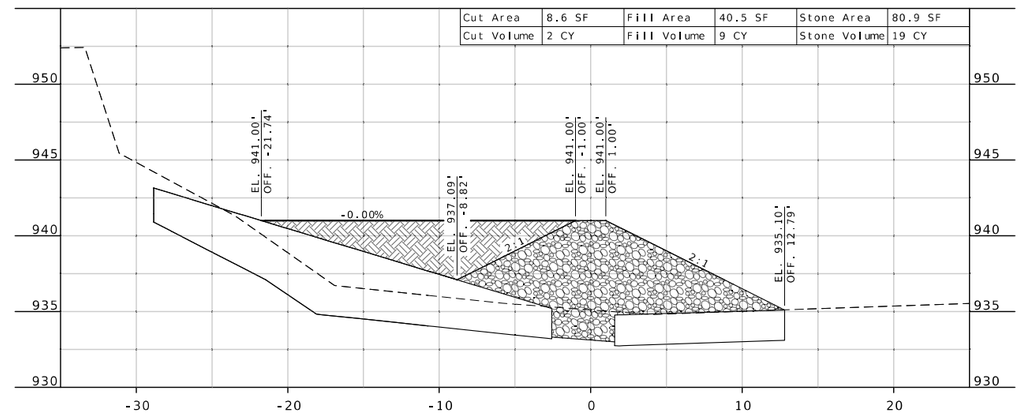

STA. 6+62.00



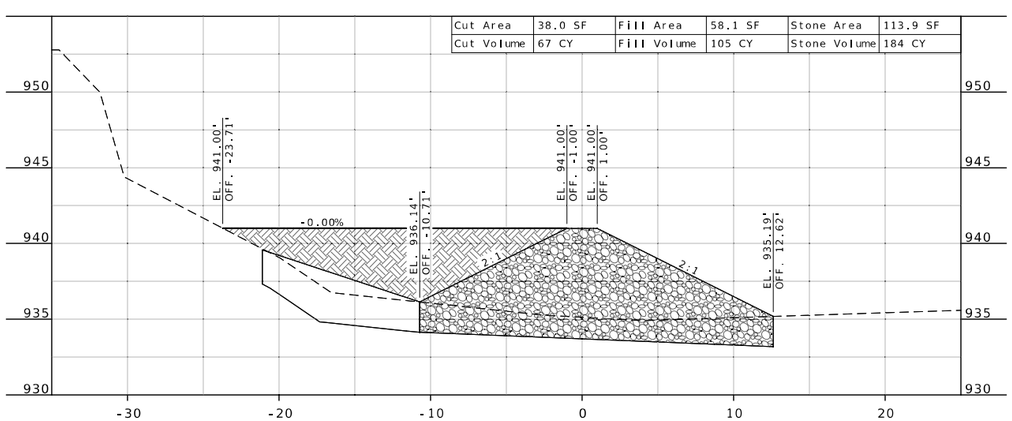

STA. 6+81.81



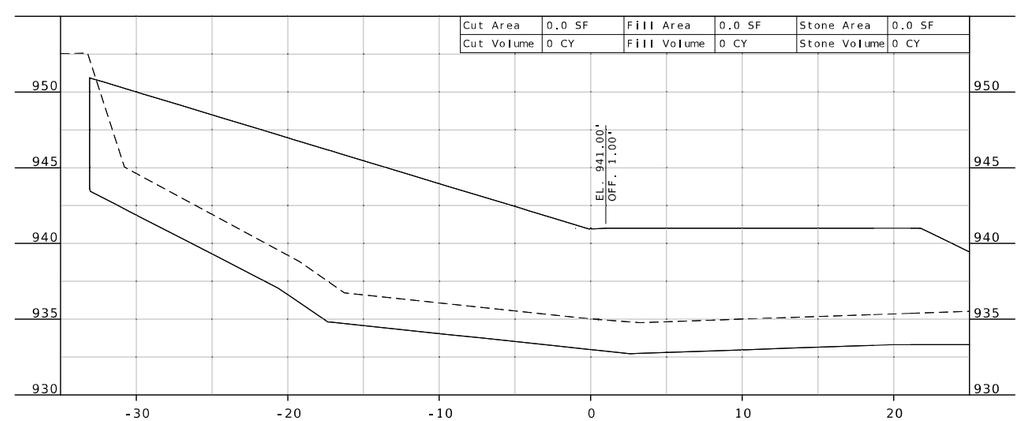

STA. 6+50.09




STA. 6+78.60




STA. 6+45.30




STA. 6+66.07

LONGITUDINAL PEAK
STONE TOE PROTECTION
SHEET 5 OF 9

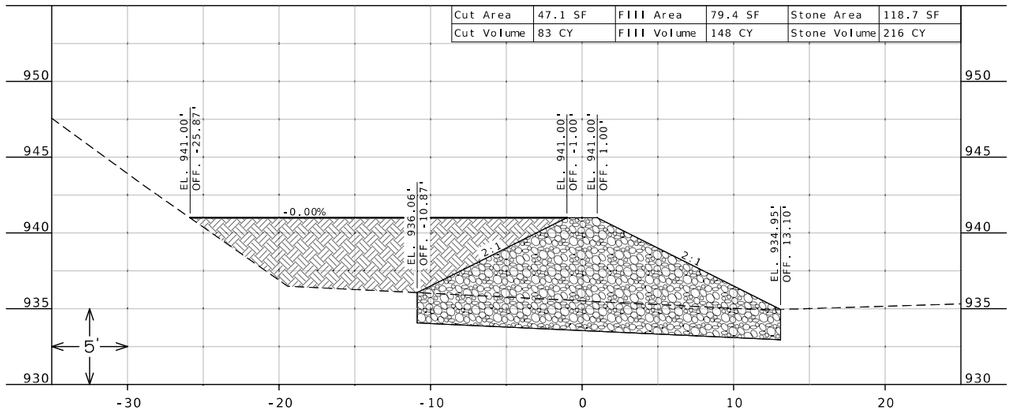
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:13:22 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

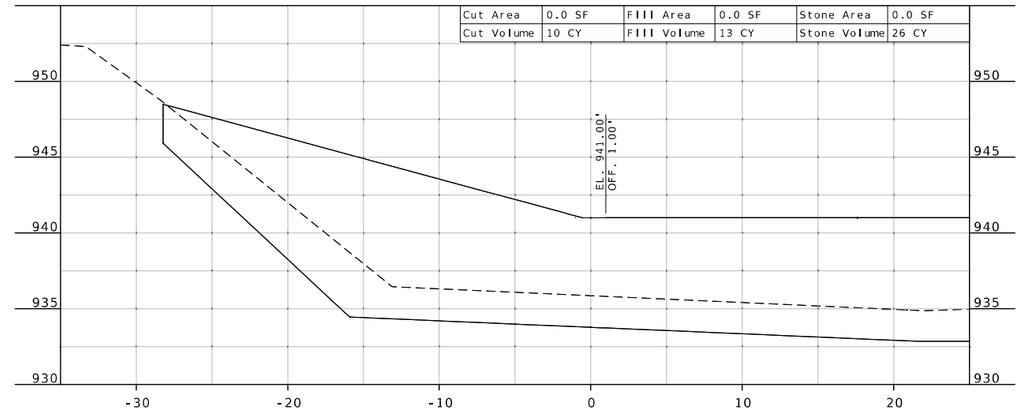
| | |
|---|---|
| DATE PREPARED | 12/2/2025 |
| ROUTE | VV |
| STATE | MO |
| DISTRICT | NW |
| SHEET NO. | 21 |
| COUNTY | NODAWAY |
| JOB NO. | JNW0046 |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|

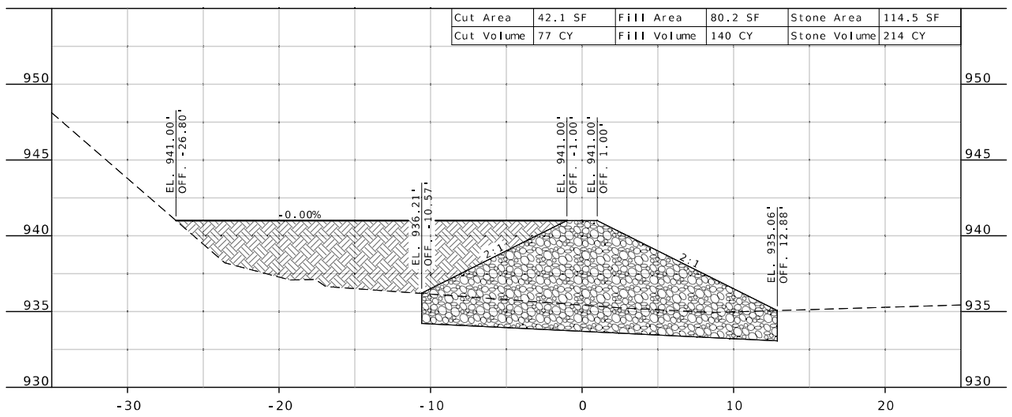
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



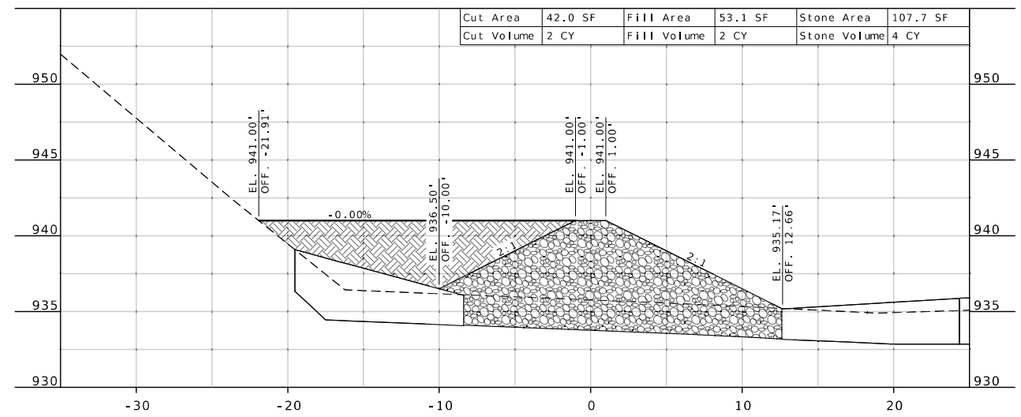

STA. 8+00.00



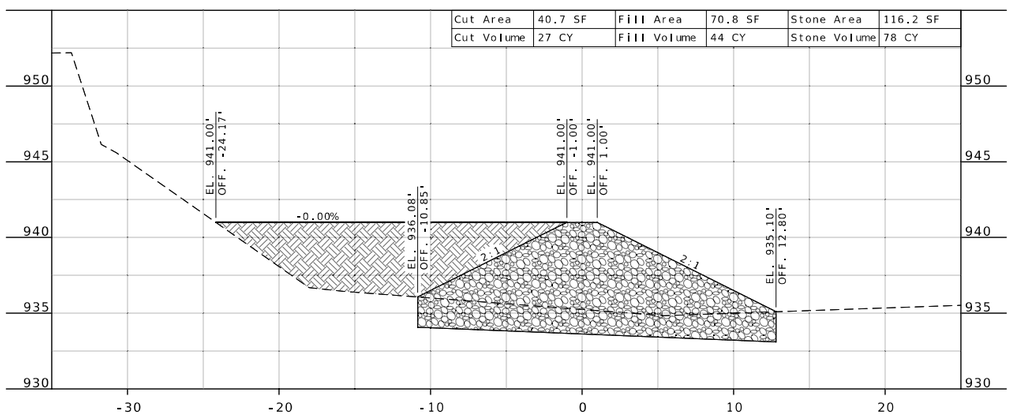

STA. 8+60.16



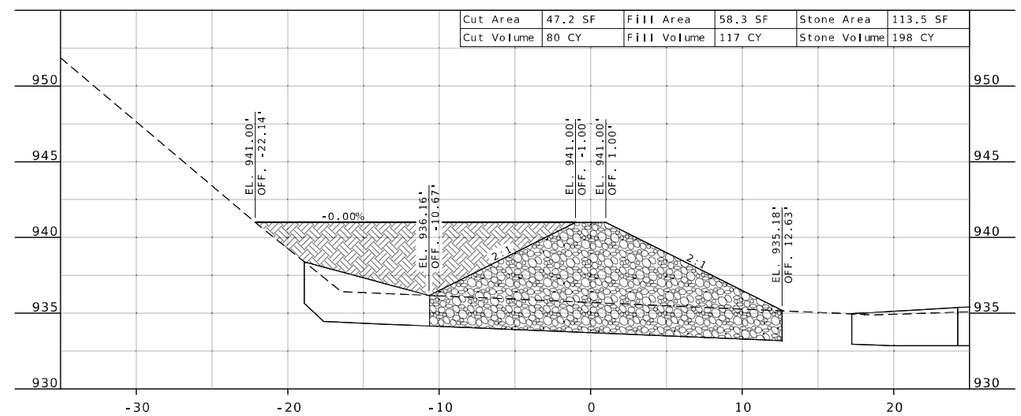

STA. 7+50.00




STA. 8+47.00




STA. 7+00.00




STA. 8+46.03

LONGITUDINAL PEAK
STONE TOE PROTECTION
SHEET 6 OF 9

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

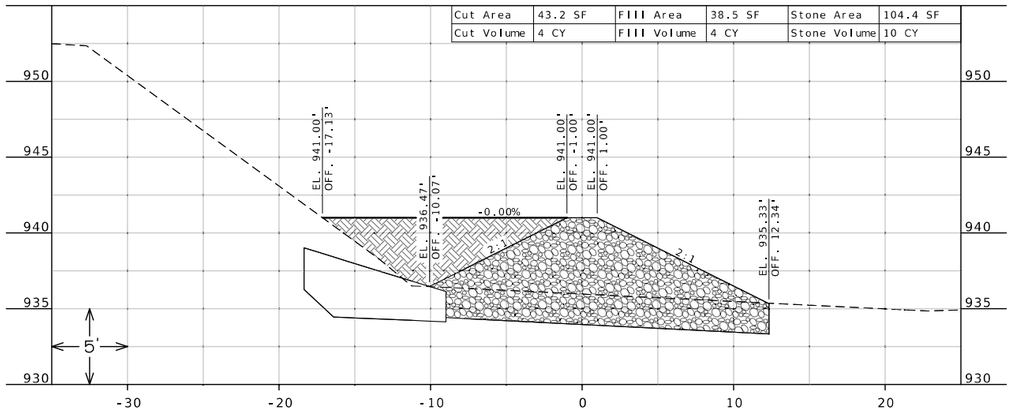
Brian M. Rosenthal
12/08/2025 4:13:42 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

| | |
|---|---|
| DATE PREPARED | 12/2/2025 |
| ROUTE | VV |
| STATE | MO |
| DISTRICT | NW |
| SHEET NO. | 22 |
| COUNTY | NODAWAY |
| JOB NO. | JNW0046 |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

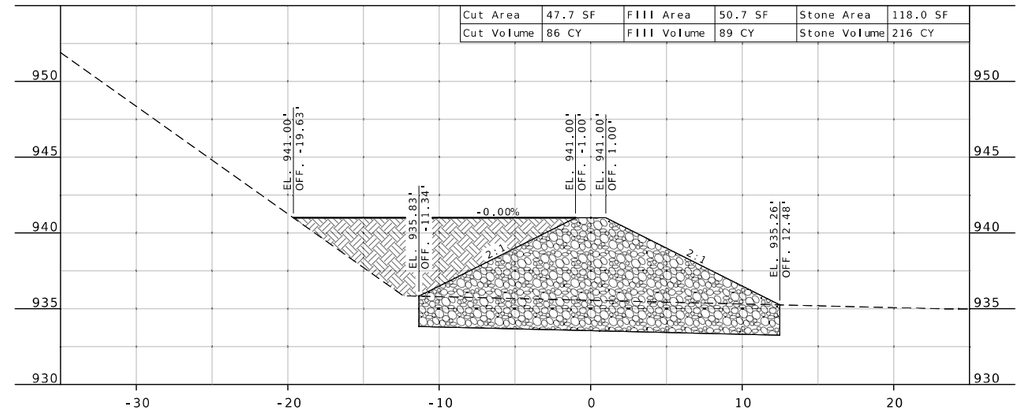
| DATE | DESCRIPTION |
|---|---|
| | |

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

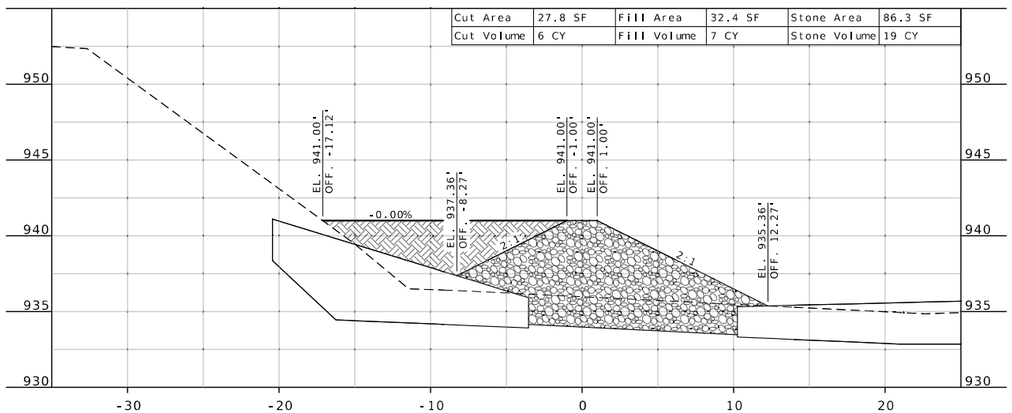
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



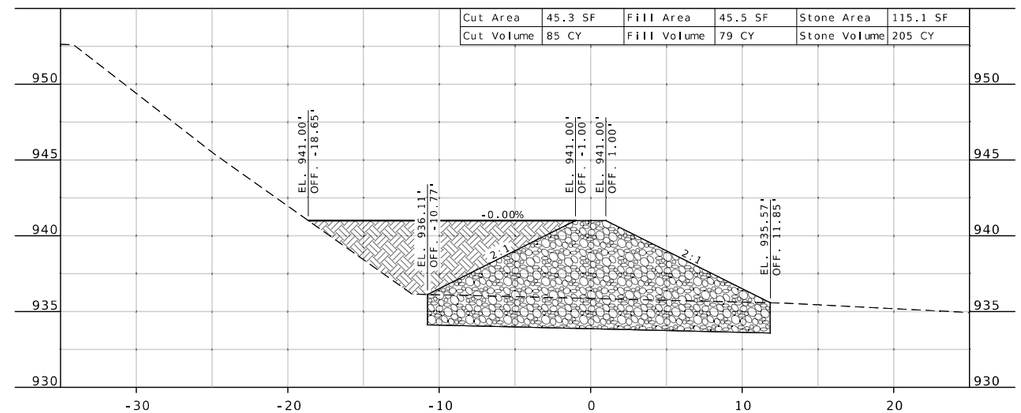

STA. 8+79.01



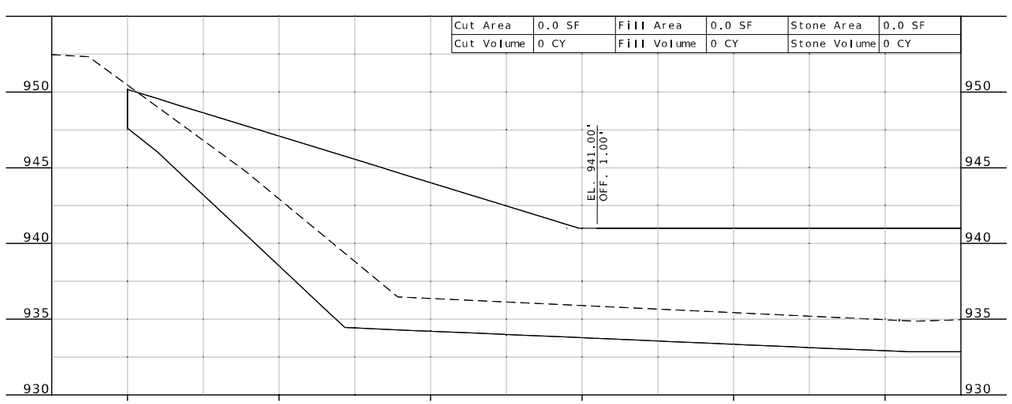

STA. 10+00.00



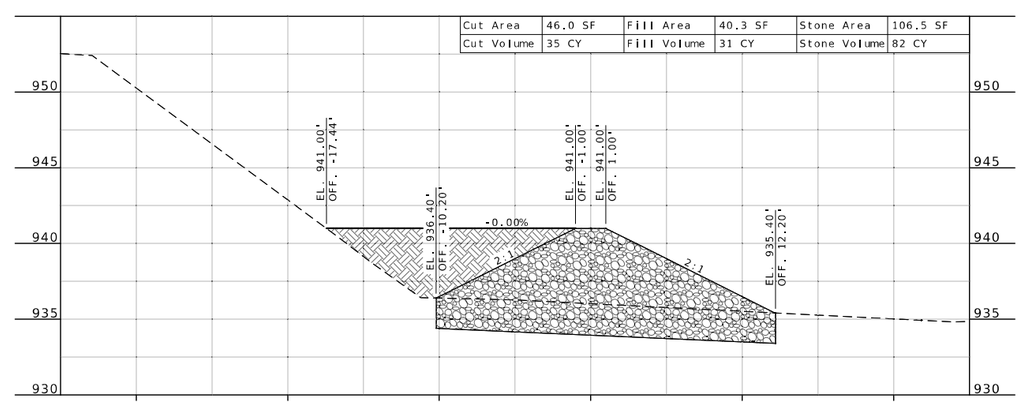

STA. 8+76.20




STA. 9+50.00




STA. 8+64.35




STA. 9+00.00

LONGITUDINAL PEAK
STONE TOE PROTECTION
SHEET 7 OF 9

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

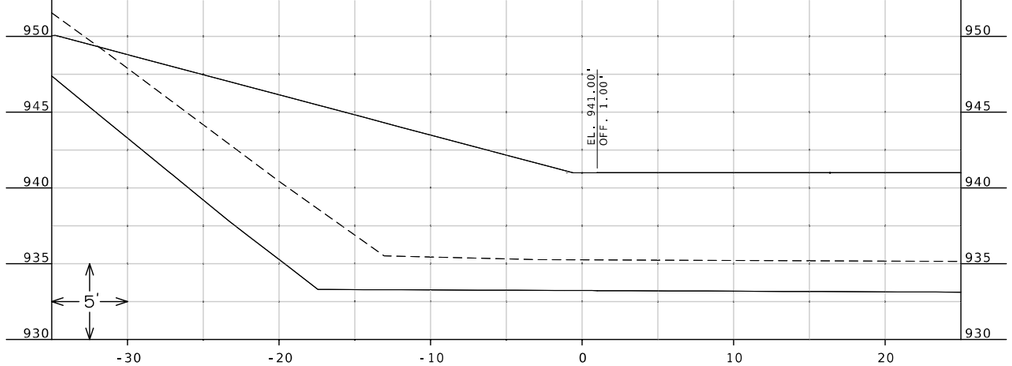
Brian M. Rosenthal
12/08/2025 4:14:07 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

| DATE PREPARED | |
|---|---|
| 12/2/2025 | |
| ROUTE: VV | STATE: MO |
| DISTRICT: NW | SHEET NO.: 23 |
| COUNTY: NODAWAY | |
| JOB NO.: JNW0046 | |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|
| | |

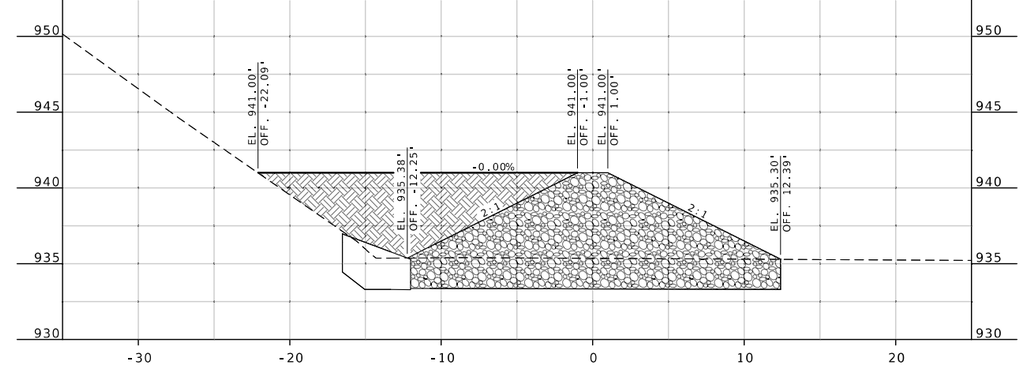
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

| Cut Area | 0 SF | Fill Area | 0 SF | Stone Area | 0 SF |
|---|---|---|---|---|---|
| Cut Volume | 9 CY | Fill Volume | 13 CY | Stone Volume | 27 CY |



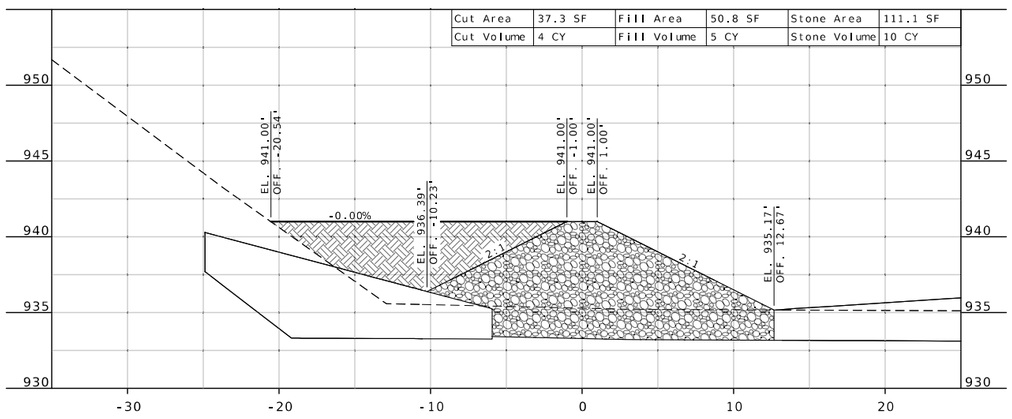

STA. 10+59.68

| Cut Area | 49.2 SF | Fill Area | 62.9 SF | Stone Area | 124.2 SF |
|---|---|---|---|---|---|
| Cut Volume | 8 CY | Fill Volume | 13 CY | Stone Volume | 30 CY |



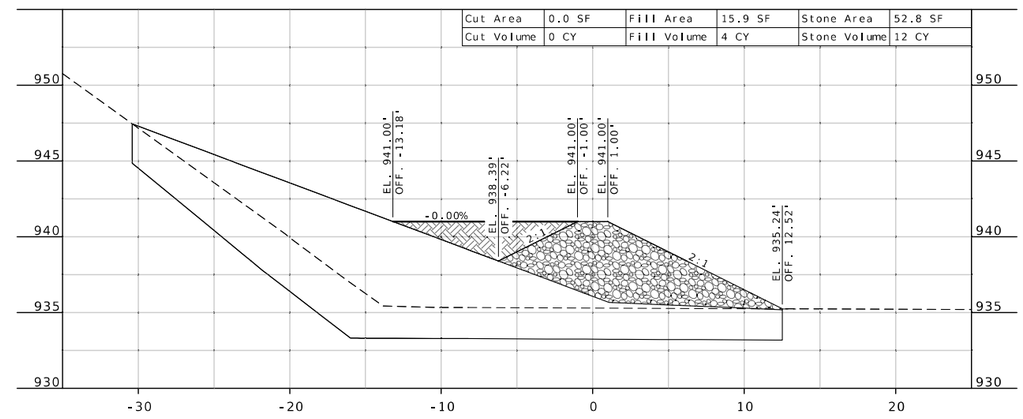

STA. 10+85.67

| Cut Area | 37.3 SF | Fill Area | 50.8 SF | Stone Area | 111.1 SF |
|---|---|---|---|---|---|
| Cut Volume | 4 CY | Fill Volume | 5 CY | Stone Volume | 10 CY |



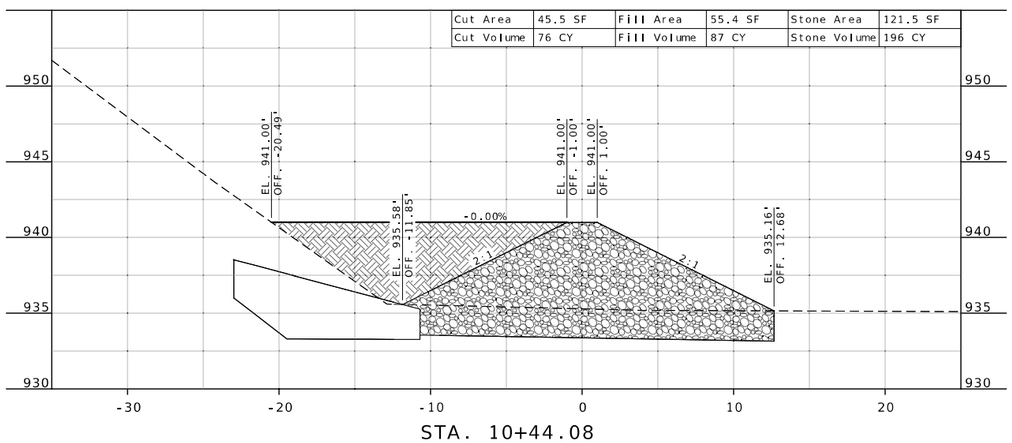

STA. 10+46.39

| Cut Area | 0.0 SF | Fill Area | 15.9 SF | Stone Area | 52.8 SF |
|---|---|---|---|---|---|
| Cut Volume | 0 CY | Fill Volume | 4 CY | Stone Volume | 12 CY |



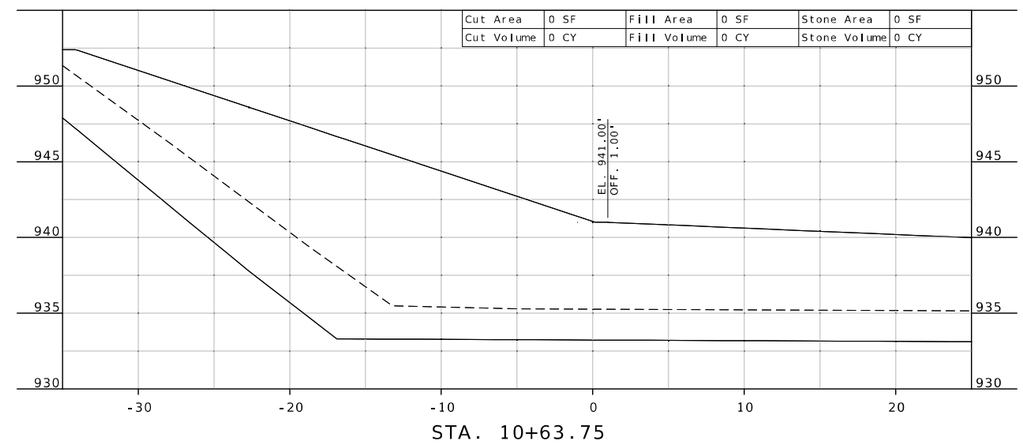

STA. 10+74.46

| Cut Area | 45.5 SF | Fill Area | 55.4 SF | Stone Area | 121.5 SF |
|---|---|---|---|---|---|
| Cut Volume | 76 CY | Fill Volume | 87 CY | Stone Volume | 196 CY |




STA. 10+44.08

| Cut Area | 0 SF | Fill Area | 0 SF | Stone Area | 0 SF |
|---|---|---|---|---|---|
| Cut Volume | 0 CY | Fill Volume | 0 CY | Stone Volume | 0 CY |




STA. 10+63.75

LONGITUDINAL PEAK
STONE TOE PROTECTION
SHEET 8 OF 9

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:14:27 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
12/2/2025

| ROUTE | STATE |
|---|---|
| VV | MO |
| DISTRICT | SHEET NO. |
| NW | 24 |

COUNTY
NODAWAY

JOB NO.
JNW0046

CONTRACT ID.

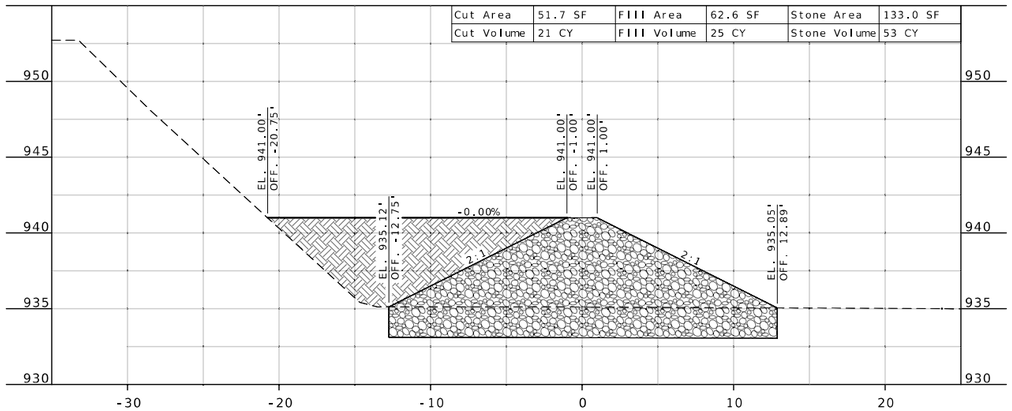
PROJECT NO.

BRIDGE NO.

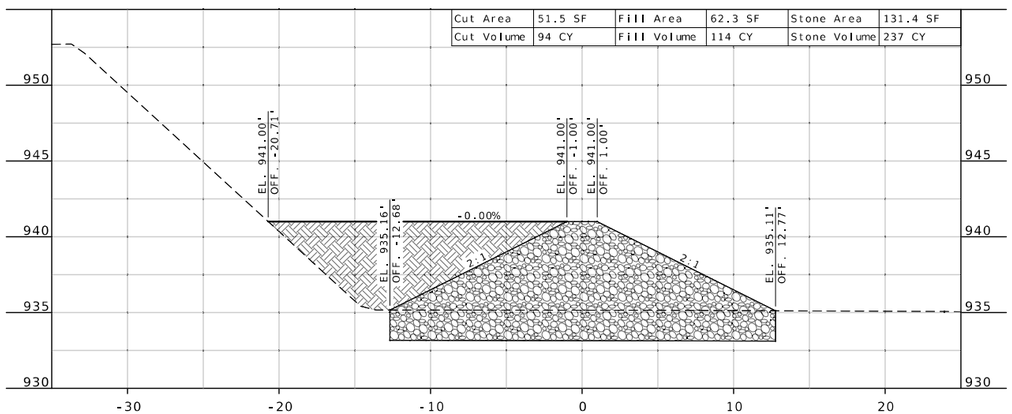
| DATE | DESCRIPTION |
|---|---|

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

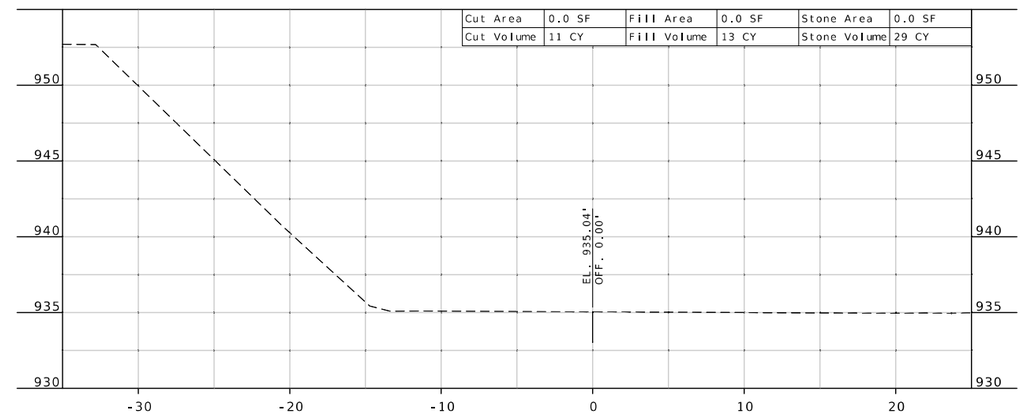
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



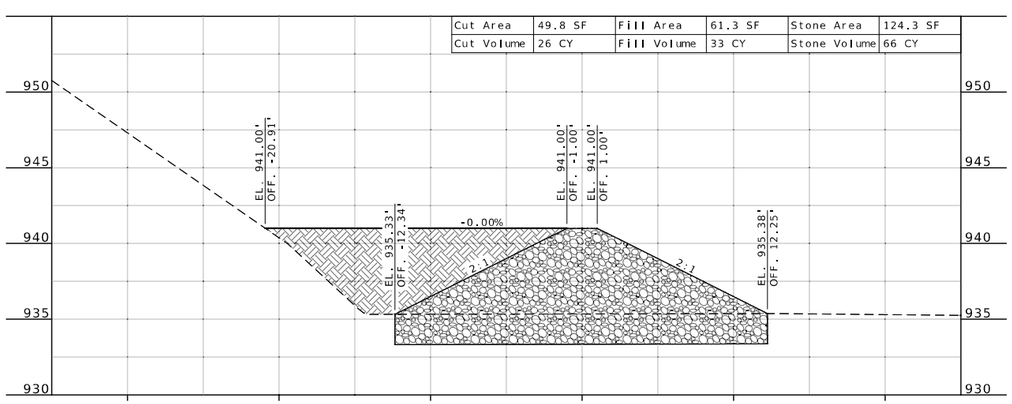

STA. 11+60.83



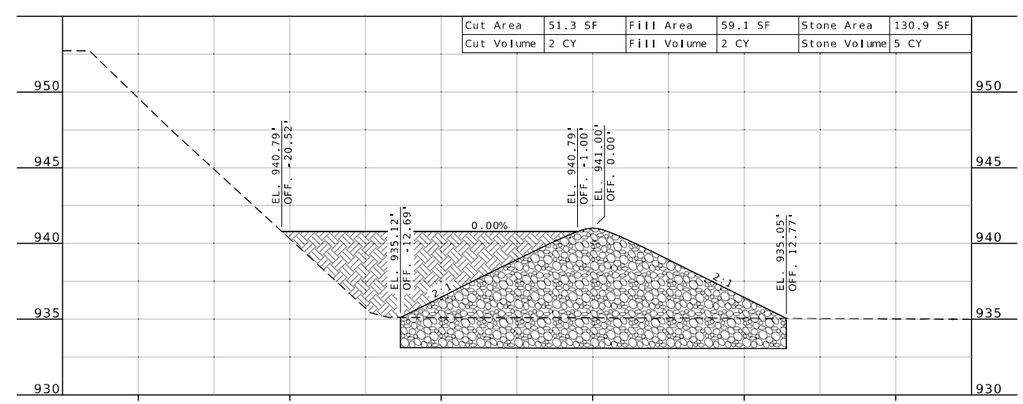

STA. 11+50.00




STA. 11+73.75




STA. 11+00.00




STA. 11+61.83

LONGITUDINAL PEAK
STONE TOE PROTECTION
SHEET 9 OF 9

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
12/08/2025 4:14:48 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

| DATE PREPARED | |
|---|---|
| 12/2/2025 | |
| ROUTE | STATE |
| VV | MO |
| DISTRICT | SHEET NO. |
| NW | 25 |
| COUNTY | |
| NODAWAY | |
| JOB NO. | |
| JNW0046 | |
| CONTRACT ID. | |
| PROJECT NO. | |
| BRIDGE NO. | |

| DATE | DESCRIPTION |
|---|---|

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)