5/28/99

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-5711 | X-1 |

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

# *CROSS SECTION INDEX*


| DESCRIPTION | SHEET NO. |
|---|---|
| CROSS SECTION INDEX | X–1 |
| CROSS SECTION SUMMARY SHEET | X–1A |
| –L– | X–2 THRU X–7 |
| –Y1– | X–8 |
| –Y2– | X–9 THRU X–14 |
| –Y3– | X–15 THRU X–17 |
| –Y4– | X–18 |
| –ENB DET– | X–19 |


8/17/2026
\\P:\R5711_Rdy_psh_X-1.dgn
User:eglasgow

| PROJ. REFERENCE NO. | SHEET NO. |
|---|---|
| R-5711 | X-1A |

# STATE OF NORTH CAROLINA
# DIVISION OF HIGHWAYS

**Approximate quantities only. Borrow excavation, fine grading, clearing and grubbing, and removal of existing pavement will be paid for at the lump sum price for "Grading".**

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

## *CROSS-SECTION SUMMARY*

**TMP Phase 1 Step 2**

| Station L | Uncl. Exc. (cu. yd.) | Embt (cu. yd.) | Station Y2 | Uncl. Exc. (cu. yd.) | Embt (cu. yd.) |
|---|---|---|---|---|---|
| 22+40.00 | 0 | 0 | 19+50.00 | 5 | 246 |
| 22+50.00 | 8 | 0 | 20+00.00 | 27 | 205 |
| 23+00.00 | 51 | 0 | 20+50.00 | 39 | 422 |
| 23+50.00 | 65 | 1 | 21+00.00 | 22 | 582 |
| 24+00.00 | 80 | 1 | 21+50.00 | 30 | 449 |
| 24+50.00 | 81 | 0 | 22+00.00 | 56 | 408 |
| 25+00.00 | 80 | 0 | 22+50.00 | 81 | 697 |
| 25+50.00 | 95 | 1 | 23+00.00 | 165 | 989 |
| 26+00.00 | 83 | 1 | 23+50.00 | 497 | 578 |
| 26+50.00 | 92 | 4 | 24+00.00 | 1510 | 72 |
| 27+00.00 | 67 | 15 | 24+50.00 | 2435 | 0 |
| 27+50.00 | 15 | 47 | 25+00.00 | 2584 | 0 |
| 28+00.00 | 13 | 74 | 25+50.00 | 2564 | 0 |
| 28+50.00 | 11 | 56 | 26+00.00 | 2287 | 0 |
| 29+00.00 | 12 | 29 | 26+50.00 | 1594 | 0 |
| 29+50.00 | 13 | 24 | 27+00.00 | 705 | 17 |
| 30+00.00 | 14 | 83 | 27+50.00 | 111 | 719 |
| 30+50.00 | 56 | 75 | 28+00.00 | 0 | 2330 |
| 31+00.00 | 115 | 11 | 28+50.00 | 0 | 2304 |
| 31+50.00 | 152 | 10 | 29+00.00 | 0 | 739 |
| 32+00.00 | 170 | 10 | | | |
| 32+50.00 | 112 | 8 | | | |
| 33+00.00 | 45 | 5 | | | |
| 33+50.00 | 59 | 2 | | | |
| 34+00.00 | 76 | 15 | | | |
| 34+50.00 | 65 | 45 | | | |
| 35+00.00 | 52 | 34 | | | |
| 35+50.00 | 55 | 6 | | | |
| 36+00.00 | 52 | 6 | | | |
| 36+50.00 | 32 | 11 | | | |
| 37+00.00 | 23 | 17 | | | |
| 37+50.00 | 28 | 16 | | | |
| 38+00.00 | 49 | 15 | | | |
| 38+50.00 | 41 | 8 | | | |
| 38+75.00 | 15 | 0 | | | |

| Station Y1 | Uncl. Exc. (cu. yd.) | Embt (cu. yd.) |
|---|---|---|
| 14+85.00 | 0 | 0 |
| 15+00.00 | 13 | 1 |

| Station Y2 | Uncl. Exc. (cu. yd.) | Embt (cu. yd.) |
|---|---|---|
| 13+45.00 | 0 | 0 |
| 13+50.00 | 4 | 1 |
| 14+00.00 | 47 | 19 |
| 14+50.00 | 59 | 35 |
| 15+00.00 | 42 | 64 |
| 15+50.00 | 12 | 97 |

**TMP Phase 1 Step 3**

| Station Y3 | Uncl. Exc. (cu. yd.) | Embt (cu. yd.) |
|---|---|---|
| 10+50.00 | 0 | 0 |
| 11+00.00 | 8 | 199 |
| 11+50.00 | 12 | 181 |
| 12+00.00 | 14 | 152 |
| 12+50.00 | 10 | 102 |
| 13+00.00 | 0 | 46 |
| 13+50.00 | 0 | 52 |
| 14+00.00 | 0 | 69 |
| 14+50.00 | 0 | 68 |
| 15+00.00 | 0 | 52 |
| 15+50.00 | 0 | 16 |
| 16+00.00 | 2 | 1 |
| 16+50.00 | 8 | 0 |

| Station Y3 | Uncl. Exc. (cu. yd.) | Embt (cu. yd.) |
|---|---|---|
| 10+50.00 | 0 | 0 |
| 11+00.00 | 13 | 298 |
| 11+50.00 | 19 | 271 |
| 12+00.00 | 21 | 227 |
| 12+50.00 | 15 | 154 |
| 13+00.00 | 0 | 68 |
| 13+50.00 | 0 | 79 |
| 14+00.00 | 0 | 103 |
| 14+50.00 | 0 | 103 |
| 15+00.00 | 0 | 79 |
| 15+50.00 | 2 | 24 |
| 16+00.00 | 4 | 2 |
| 16+50.00 | 12 | 1 |

| Station Y4 | Uncl. Exc. (cu. yd.) | Embt (cu. yd.) |
|---|---|---|
| 19+50.00 | 0 | 0 |
| 20+00.00 | 15 | 9 |

**TMP Phase 1 Step 5**

| Station Y2 | Uncl. Exc. (cu. yd.) | Embt (cu. yd.) |
|---|---|---|
| 16+00.00 | 4 | 107 |
| 16+50.00 | 1 | 142 |
| 17+00.00 | 0 | 216 |
| 17+50.00 | 1 | 273 |
| 18+00.00 | 3 | 306 |
| 18+50.00 | 15 | 304 |
| 19+00.00 | 13 | 282 |

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-2 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

940
930

4:1 6:1 0.044 0.044 8.73:1 6:1
938.81 936.68
939.61
24+00.00

940
930

4:1 6:1 0.050 0.050 9.64:1 4:1
938.60 936.44
939.42
23+50.00

940
930

4:1 6:1 0.050 0.050 10.73:1 4:1
938.39 936.20
939.09
23+00.00

950
940
930

6:1 0.050 0.050 12.16:1 4:1
935.96
938.80
22+50.00

950
940
930

6:1 0.050 0.050 12.87:1 4:1
935.93
938.74
22+40.00

950
940
930

BEGIN PROJECT
–L– STA. 22+40.00
938.41
22+00.00
–L–

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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mkoontz

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-3 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

940
930

6:1 0.020 0.017 6:1
2:1 2:1 938.32
936.89
939.24
27+00.00

940
930

4:1 6:1 0.020 0.004 6:1 6:1
937.39
937.88
939.76
26+50.00

940
930

4:1 6:1 0.020 0.020 6:1 6:1
937.72
937.64
940.14
26+00.00

940
930

4:1 6:1 0.018 0.020 6:1 6:1
937.81
937.40
940.20
25+50.00

940
930

6:1 0.002 0.020 6:1 6:1
937.16
940.02
25+00.00

950
940
930

6:1 0.023 0.023 6:1 6:1
936.92
939.78
24+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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tkoltz

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-4 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

940 930 920 910

0.040 0.040 INTERSECTION SIGHT LINE INTERSECTION SIGHT LINE 938.58

29+50.00

940 930 920 910

0.040 0.040 INTERSECTION SIGHT LINE INTERSECTION SIGHT LINE 938.34

29+00.00

940 930 920 910

0.040 0.040 INTERSECTION SIGHT LINE INTERSECTION SIGHT LINE 938.33

28+50.00

940 930 920 910

0.040 0.040 4:1 INTERSECTION SIGHT LINE 938.51

28+00.00

940 930 920

6:1 0.038 0.038 6:1 2:1 2:1 933.00 938.78

27+50.00

-4-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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tcox

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-5 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

940 930 920

6:1 0.020 0.020 6:1 6:1

941.85

939.64

32+50.00

6:1 0.020 0.020 6:1 4:1 2:1

941.21

939.04

32+00.00

BEGIN SHALLOW UNDERCUT
-L- STA. 31+75.00

6:1 0.020 0.020 6:1 4:1 2:1

940.48

938.45

31+50.00

6:1 0.020 0.013 6:1 4:1 2:1

939.79

938.05

31+00.00

6:1 0.020 0.008 4:1 2:1

939.20

936.82

30+50.00

6:1 0.029 0.029 4:1 1.75:1

938.84

935.59

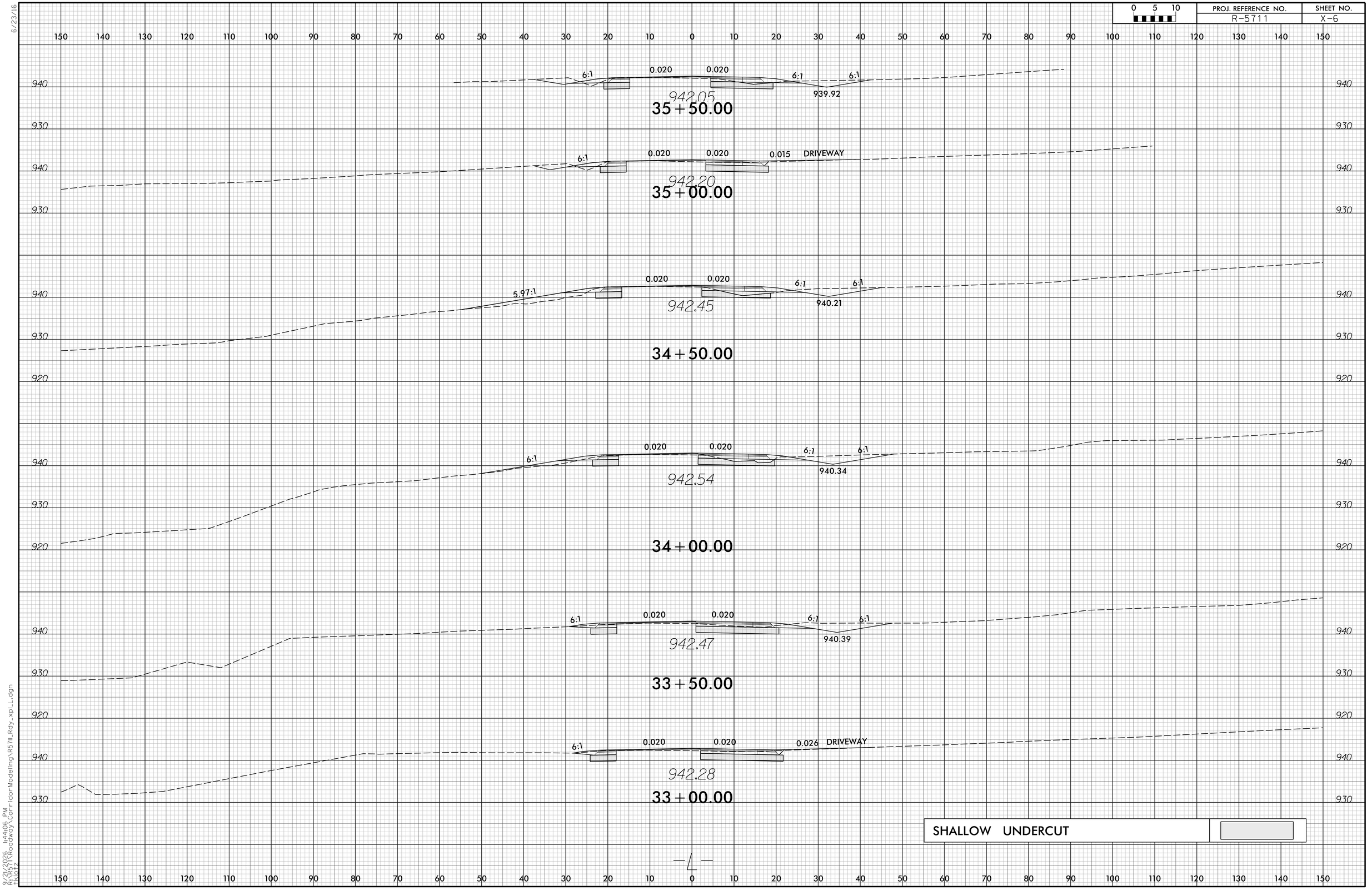
30+00.00

SHALLOW UNDERCUT

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mstiltz

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-6 |




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kgoz

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-7 |

940.95
39+00.00
END PROJECT
END SHALLOW UNDERCUT
-L- STA. 38+75.00

0.015 0.014
4:1 4:1
941.16
38+75.00

DRIVEWAY
0.020 0.020
941.31
38+50.00

2:1 4:1 0.020 0.020 6:1
938.84
941.46
38+00.00

2:1 4:1 0.020 0.020 6:1 6:1
939.43 939.31
941.59
37+50.00

2:1 4:1 0.020 0.020 6:1 6:1
940.02 939.46
941.70
37+00.00

4:1 0.020 0.020 6:1 6:1
939.61
941.78
36+50.00

6:1 0.020 0.020 6:1 6:1
939.76
941.93
36+00.00

SHALLOW UNDERCUT

-L-

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kloz

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-8 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

960
950
960
970
960

4:1 0.025 0.010 8:1 4:1
963.75 964.68 964.01
15+00.00

4:1 0.032 0.006
964.28 965.30 965.10
14+85.00

966.31
14+50.00

-Y1-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-9 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

960
950

0.020 0.018
2:1 4:1 4:1 2:1
959.98 962.24
962.63
16+00.00

0.020 0.005
2:1 4:1 4:1 2:1
958.64 959.44
961.69
15+50.00

0.020 0.020 0.058 DRIVEWAY
2:1 4:1
957.29
960.62
15+00.00

0.020 0.020
2:1 4:1 4:1 2:1
955.66 956.96
959.55
14+50.00

0.020 0.020
2:1 4:1 4:1 2:1
955.13 955.72
958.52
14+00.00

0.004 0.020
2:1 4:1 4:1 2:1
954.59 954.48
957.22
13+50.00

0.003 0.020
2:1 4:1 4:1 2:1
954.66 954.36
957.07
13+45.00

955.70
13+00.00

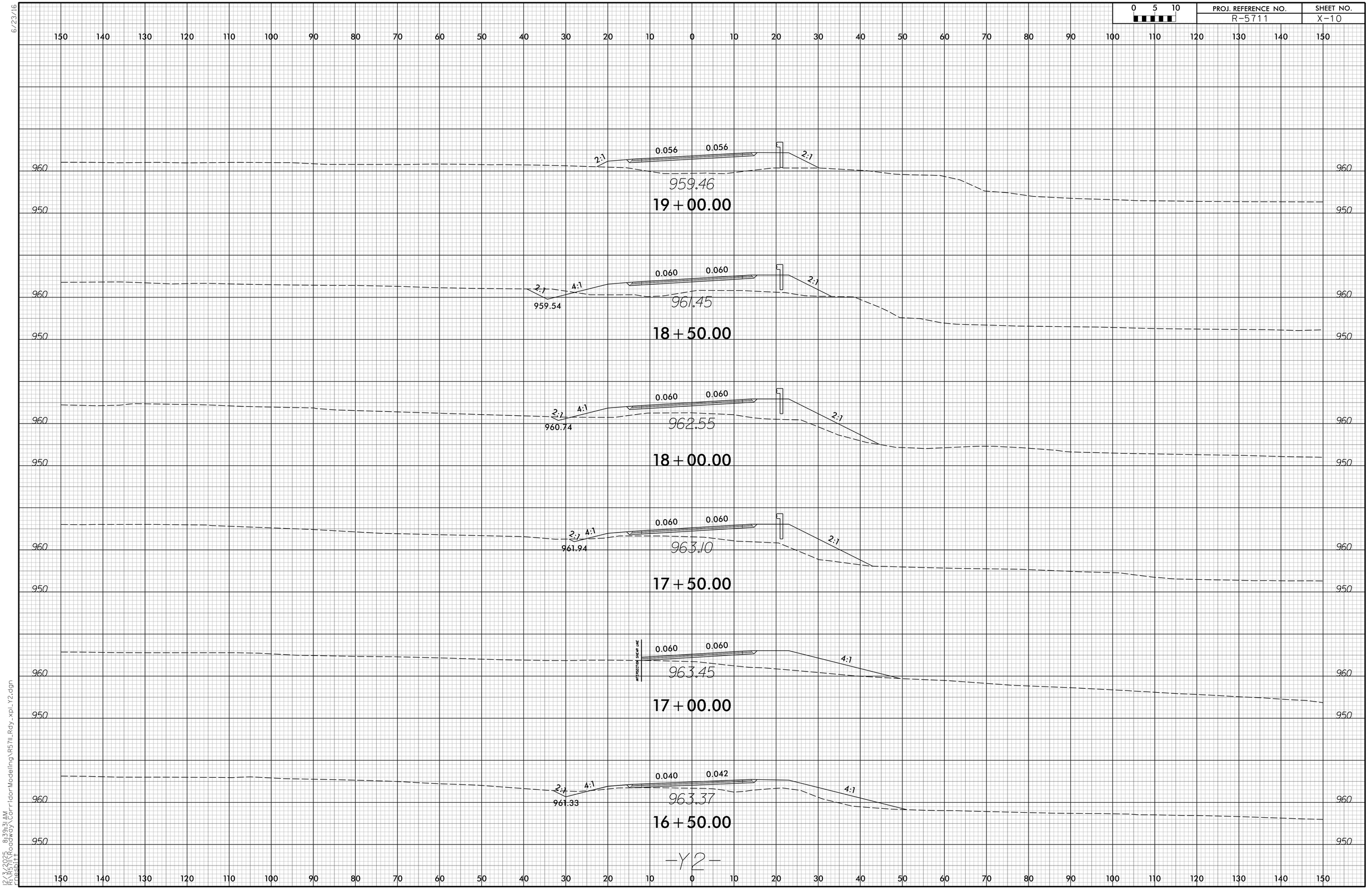
940

-Y2-

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mgsmith

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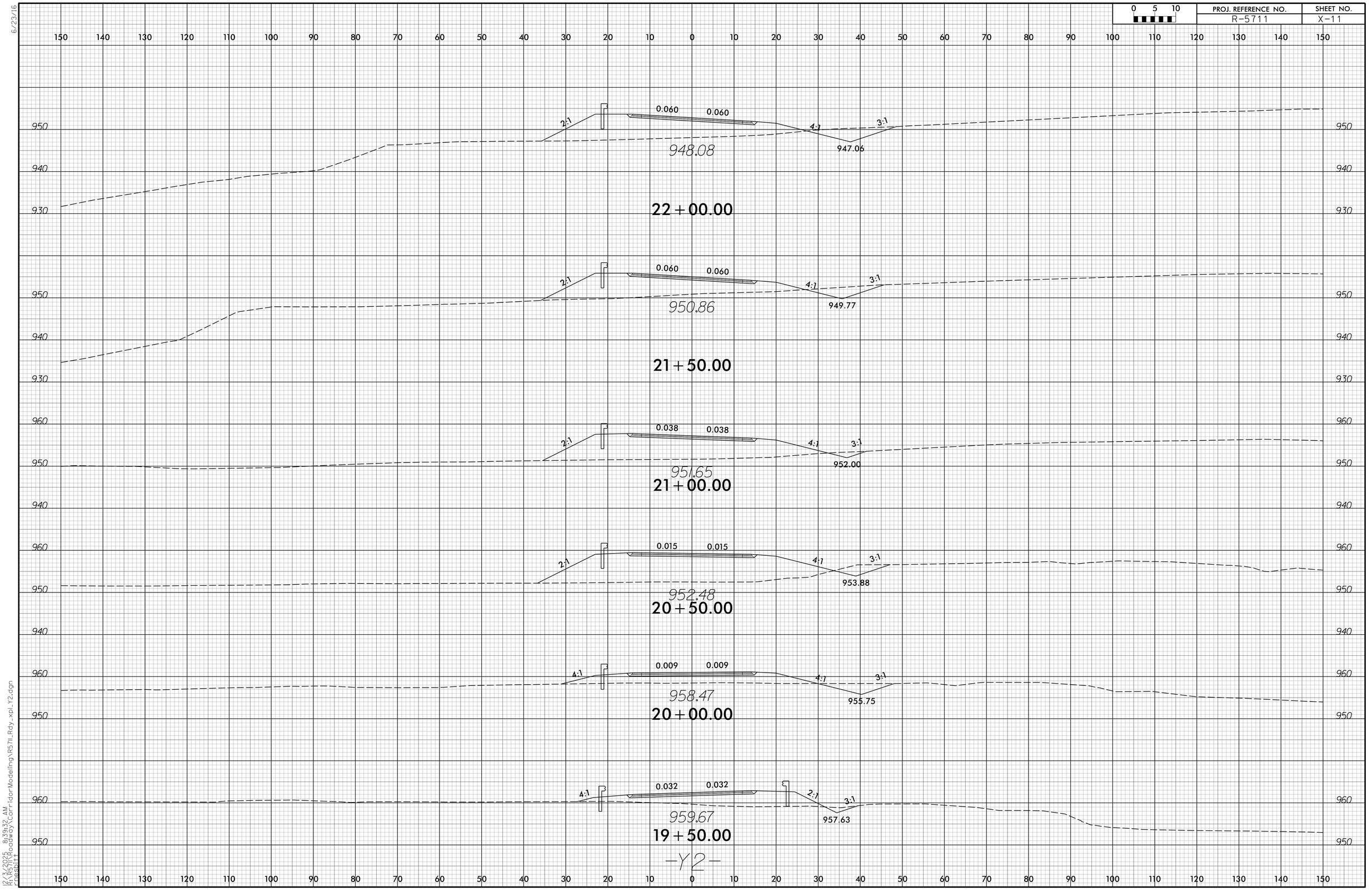
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| | R-5711 | X-10 |




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rgsmith

6/23/16

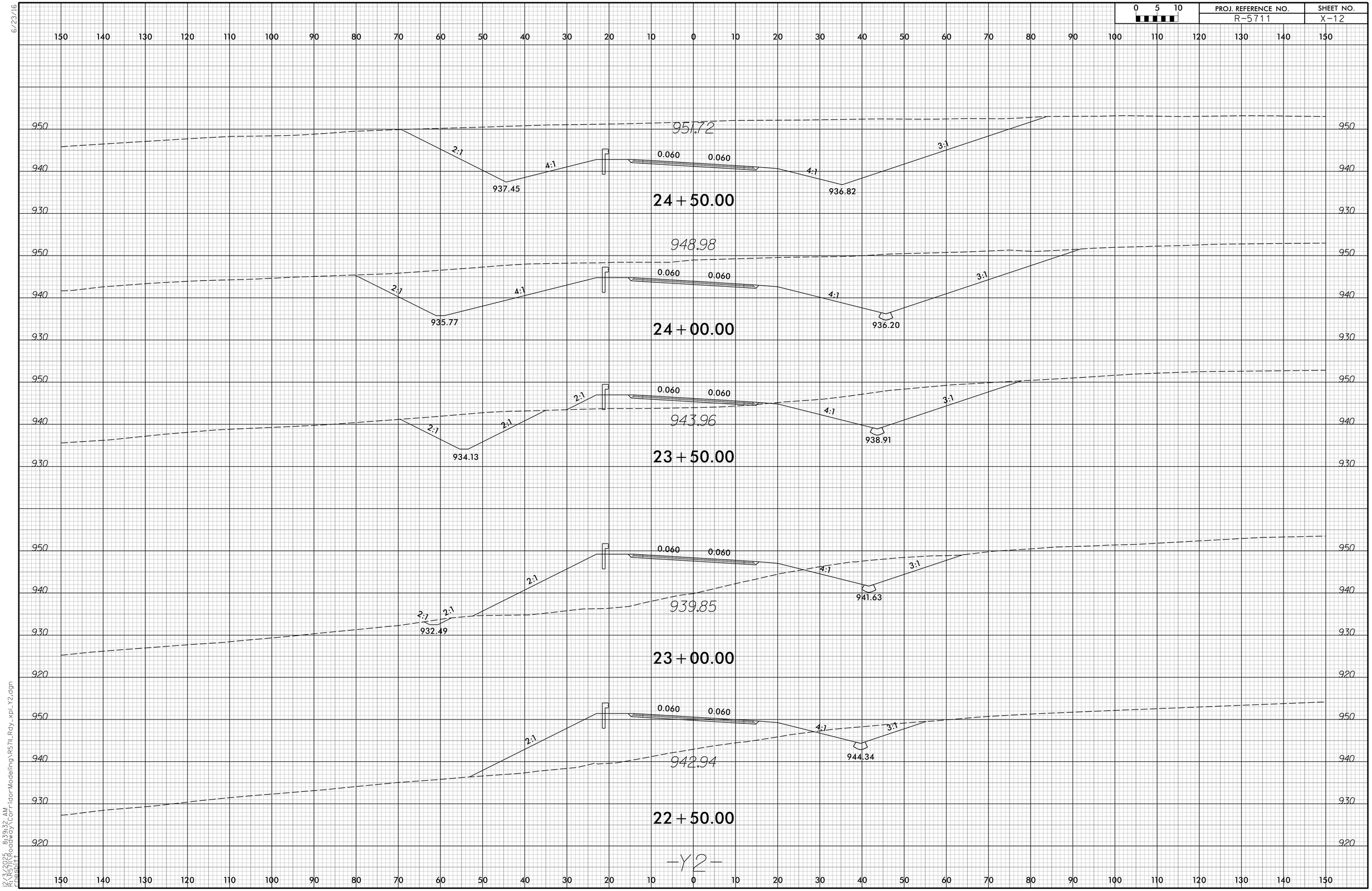
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|---|---|---|
| | R-5711 | X-11 |




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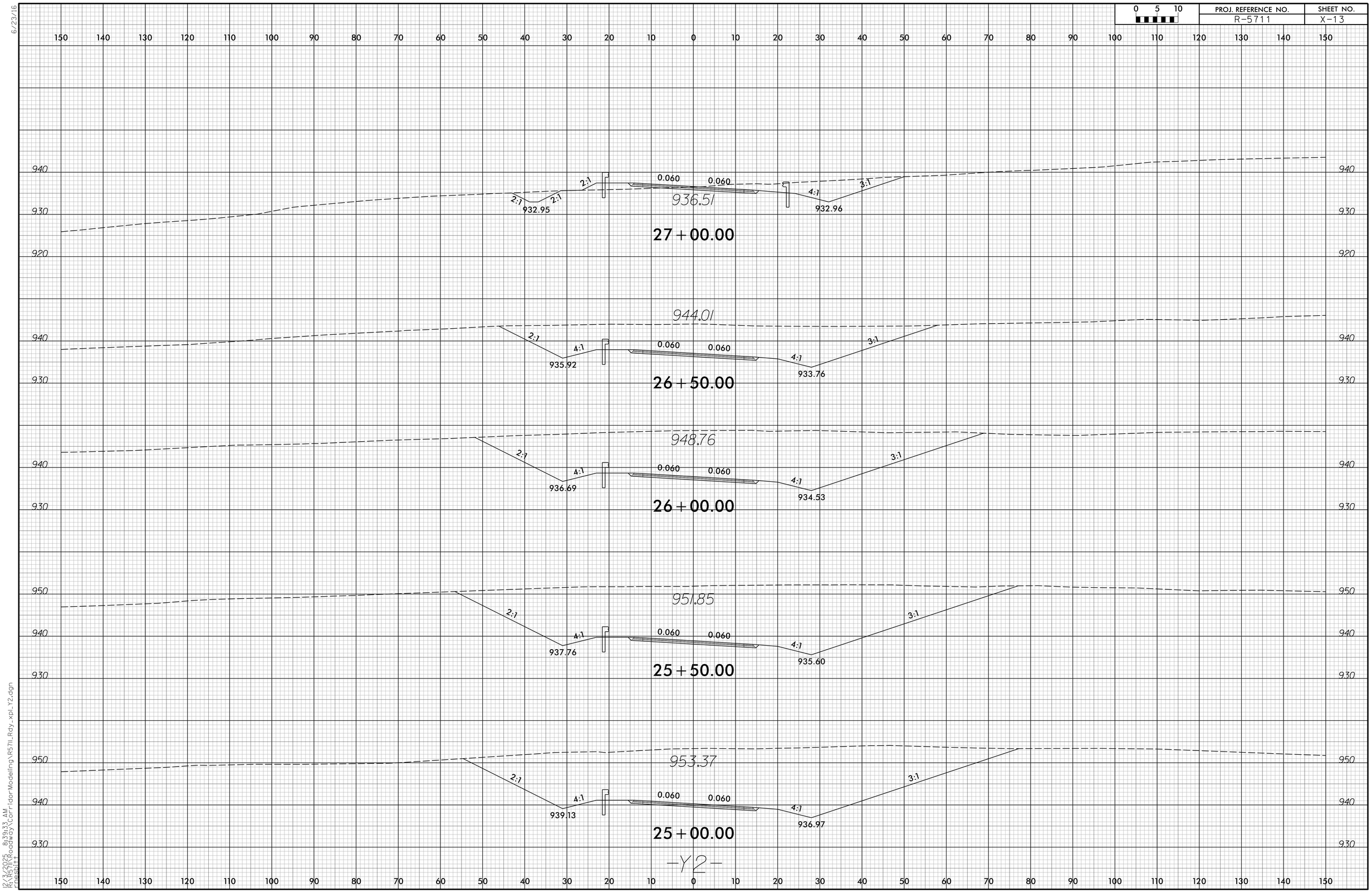
| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-12 |




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rossjt

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-13 |




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rfeezell

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-14 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

940 930 920 910 940

0.010 0.010

INTERSECTION SHEET 4HE

935.35

29+00.00

940 930 920 940

2:1 0.035 0.035 2:1

929.35

28+50.00

940 930 920 910 940

2:1 0.060 0.060 2:1

916.43

28+00.00

940 930 920 910 940

2:1 2:1 2:1 0.060 0.060 2:1

913.00

925.75

27+50.00

-Y2-

900

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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rossjt

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-15 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

940 930 920

4:1 0.020 0.020 2:1

929.18

13+00.00

4:1 0.043 0.043 4:1 2:1

929.67

930.14

12+50.00

20:1 0.060 0.060 4:1 2:1

926.98

931.26

12+00.00

4:1 0.058 0.058 4:1 2:1

932.58

929.25

932.56

11+50.00

2:1 4:1 0.035 0.035 4:1 2:1

932.38

931.53

933.67

11+00.00

INTERSECTION SIDEWALK

0.013 0.013 4:1 2:1

932.50

933.22

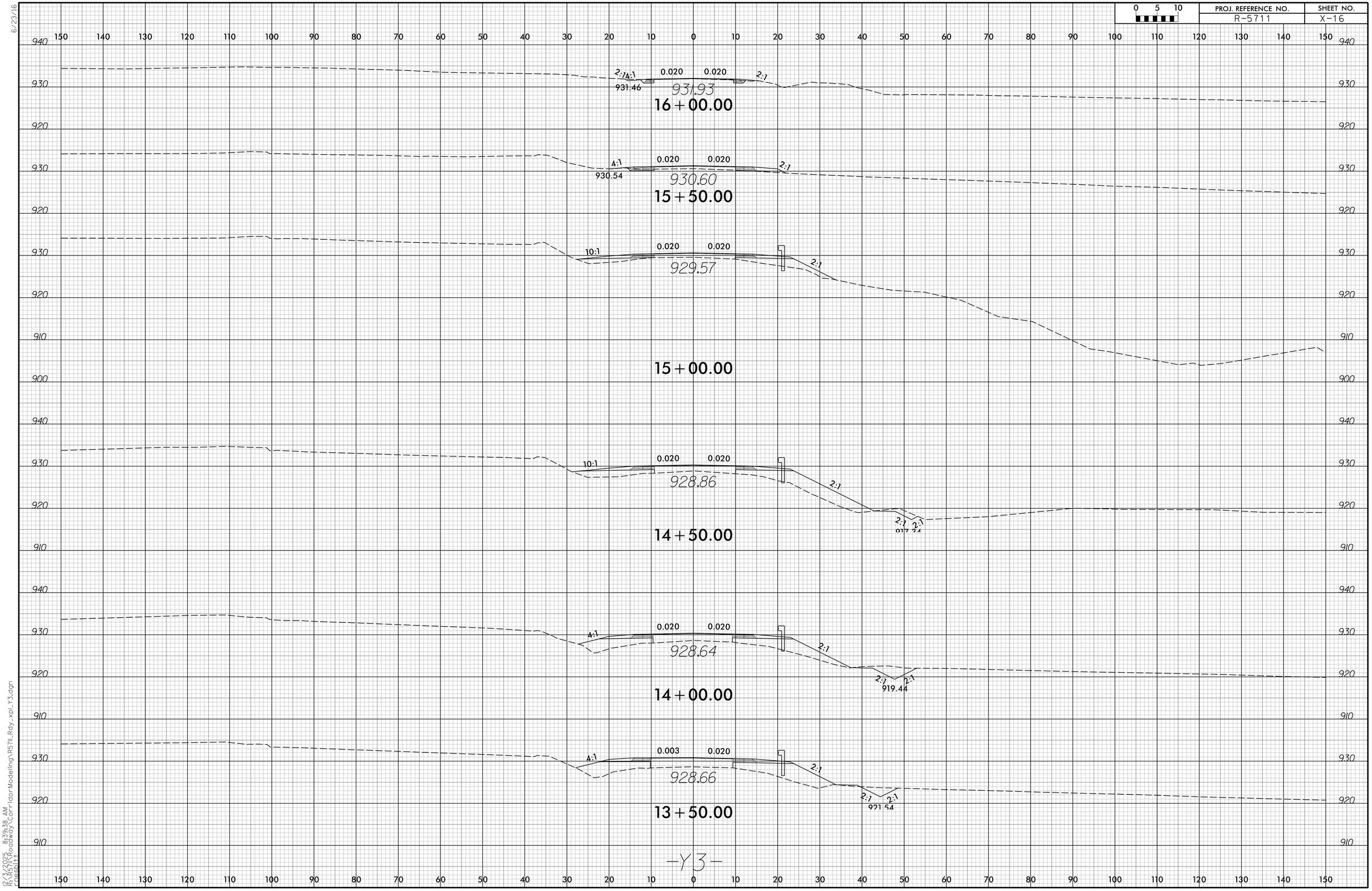
10+50.00

-Y3-

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R:\Structures\Roadway\CorridorModeling\R5711_Rdy_xpl_Y3.dgn
rgoslin

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-16 |




12/3/2025 8:39:38 AM
C:\Users\...\Roadway\Corridor Modeling\R5711_Rdy_xpl_Y3.dgn
mgaunt

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-17 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

950
940
930
920

934.76
17+00.00

2:1 10:1 0.033 0.035 2:1
932.13
933.33
16+50.00

-Y3-

950
940
930
920

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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mbell

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-18 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

940
930
920

4:1 929.27 0.020 0.020 929.27 4:1

928.91

20+00.00

930
920

4:1 925.91 0.011 0.018 925.79 4:1

926.23

19+50.00

-Y4-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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rossitt

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| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-5711 | X-19 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

950
940

939.44
11+75.00

950
940

2:1 0.003 0.008 2:1
939.93
11+50.00

950
940

2:1 0.020 0.020 2:1
942.63
11+00.00

950
940

2:1 0.020 0.020 2:1
941.79
10+50.00

950
940

939.06
10+00.00

-ENB DET-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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User:bpalis