6/4/99

| COMPUTED BY: DAJ | DATE: 10-20-04 |
|---|---|
| CHECKED BY: RMS | DATE: 10-25-04 |

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| WBS 37840 | X-1A |

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

# *CROSS SECTION SUMMARY OF EARTHWORK*

***IN CUBIC YARDS***

NORTH CAROLINA PROFESSIONAL SEAL 20119 ENGINEER LLOYD D. BROWN

12/19/06

| LOCATION | UNCLASSIFIED EXCAVATION | EMBT |
|---|---|---|
| –L– STA. 32+00 | 0 | 0 |
| –L– STA. 32+50 | 136 | 1 |
| –L– STA. 33+00 | 315 | 0 |
| –L– STA. 33+50 | 364 | 0 |
| –L– STA. 34+00 | 353 | 21 |
| –L– STA. 34+50 | 354 | 58 |
| –L– STA. 35+00 | 329 | 73 |
| –L– STA. 35+50 | 251 | 57 |
| –L– STA. 36+00 | 176 | 55 |
| –L– STA. 36+50 | 123 | 78 |
| –L– STA. 37+00 | 99 | 90 |
| –L– STA. 37+50 | 102 | 46 |
| –L– STA. 38+00 | 159 | 3 |
| –L– STA. 38+50 | 133 | 5 |
| –L– STA. 39+00 | 50 | 5 |
| –L– STA. 39+50 | 41 | 6 |
| –L– STA. 40+00 | 42 | 41 |
| –L– STA. 40+50 | 53 | 70 |
| –L– STA. 41+00 | 60 | 54 |
| –L– STA. 41+50 | 56 | 42 |
| –L– STA. 42+00 | 36 | 54 |
| –L– STA. 42+50 | 20 | 57 |
| –L– STA. 43+00 | 14 | 153 |
| –L– STA. 43+50 | 12 | 148 |
| –L– STA. 44+00 | 20 | 30 |
| –L– STA. 44+50 | 25 | 21 |
| –L– STA. 45+00 | 27 | 21 |
| –L– STA. 45+50 | 27 | 23 |
| –L– STA. 46+00 | 28 | 23 |
| –L– STA. 46+50 | 28 | 36 |
| –L– STA. 47+00 | 20 | 108 |
| –L– STA. 47+50 | 16 | 138 |
| –L– STA. 48+00 | 14 | 112 |
| –L– STA. 48+50 | 9 | 124 |
| –L– STA. 49+00 | 10 | 125 |
| –L– STA. 49+50 | 8 | 133 |

| LOCATION | UNCLASSIFIED EXCAVATION | EMBT |
|---|---|---|
| –L– STA. 50+00 | 4 | 131 |
| –L– STA. 50+50 | 10 | 106 |
| –L– STA. 51+00 | 17 | 85 |
| –L– STA. 51+50 | 12 | 64 |
| –L– STA. 52+00 | 10 | 40 |
| –L– STA. 52+50 | 15 | 21 |
| –L– STA. 53+00 | 19 | 16 |
| –L– STA. 53+50 | 19 | 22 |
| –L– STA. 54+00 | 15 | 31 |
| –L– STA. 54+50 | 18 | 34 |
| –L– STA. 55+00 | 20 | 34 |
| –L– STA. 55+50 | 19 | 31 |
| –L– STA. 56+00 | 19 | 27 |
| –L– STA. 56+50 | 16 | 31 |
| –L– STA. 57+00 | 14 | 22 |
| –L– STA. 57+50 | 16 | 8 |
| –L– STA. 58+00 | 20 | 6 |
| –L– STA. 58+50 | 24 | 4 |
| –L– STA. 59+00 | 23 | 3 |
| –L– STA. 59+21.57 | 7 | 1 |
| | | |
| | | |
| | | |
| –Y– STA. 10+00 | 0 | 0 |
| –Y– STA. 10+50 | 89 | 0 |
| –Y– STA. 11+00 | 175 | 34 |
| –Y– STA. 11+50 | 194 | 64 |
| | | |
| | | |
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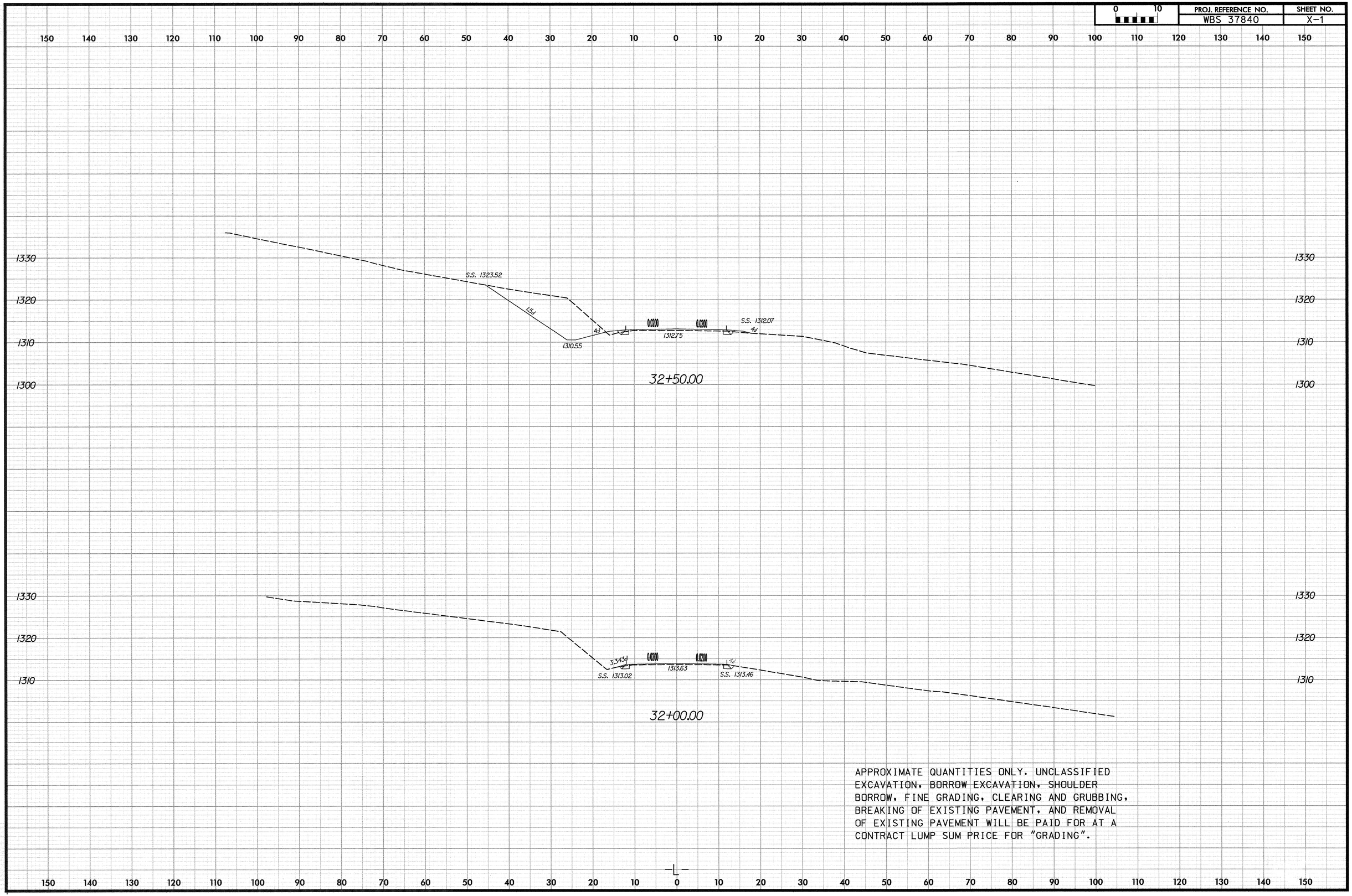
| | | |
| | | |

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-1 |



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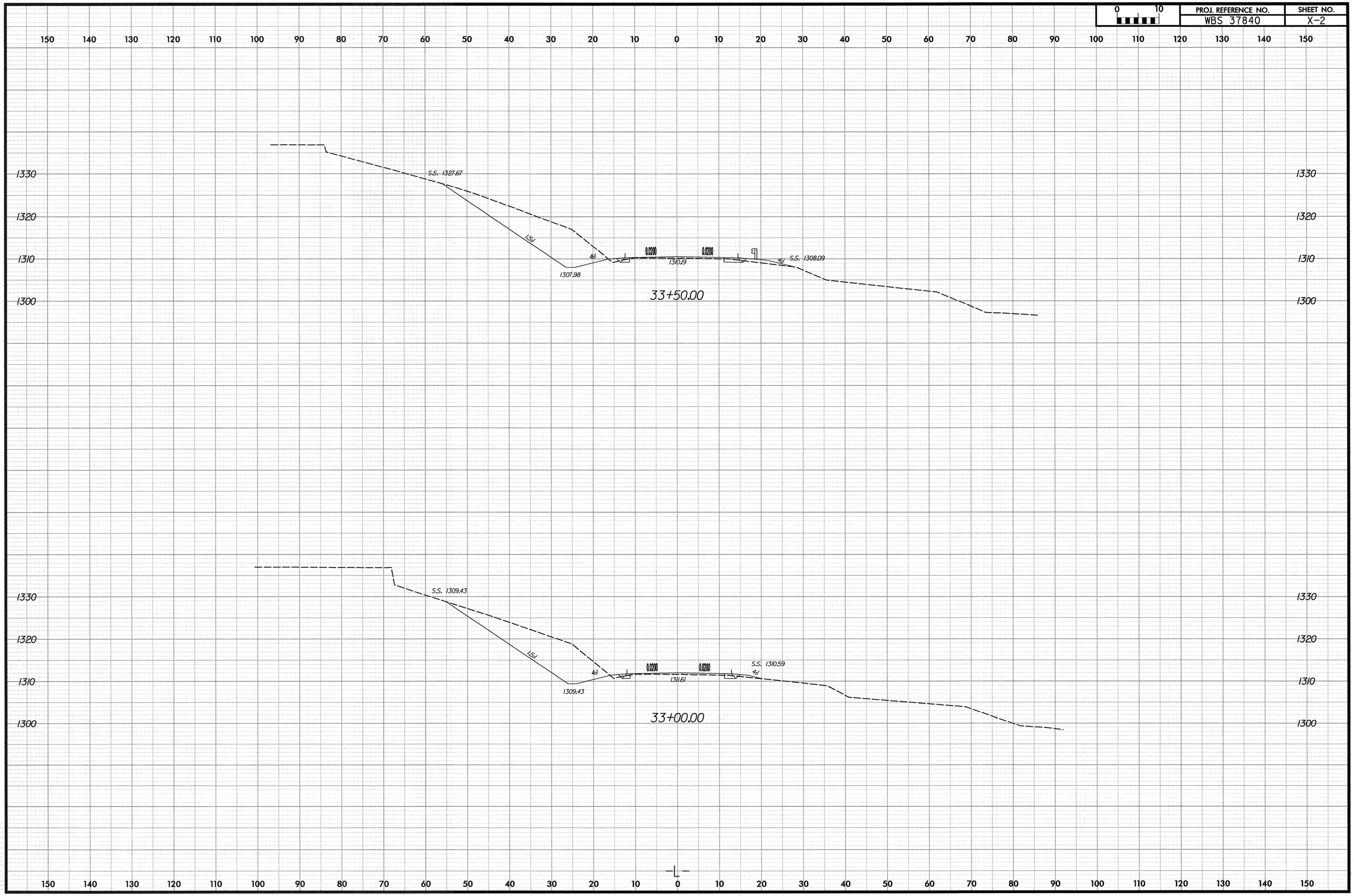
|---|---|---|
| | WBS 37840 | X-2 |



| PROJ. REFERENCE NO. | SHEET NO. |
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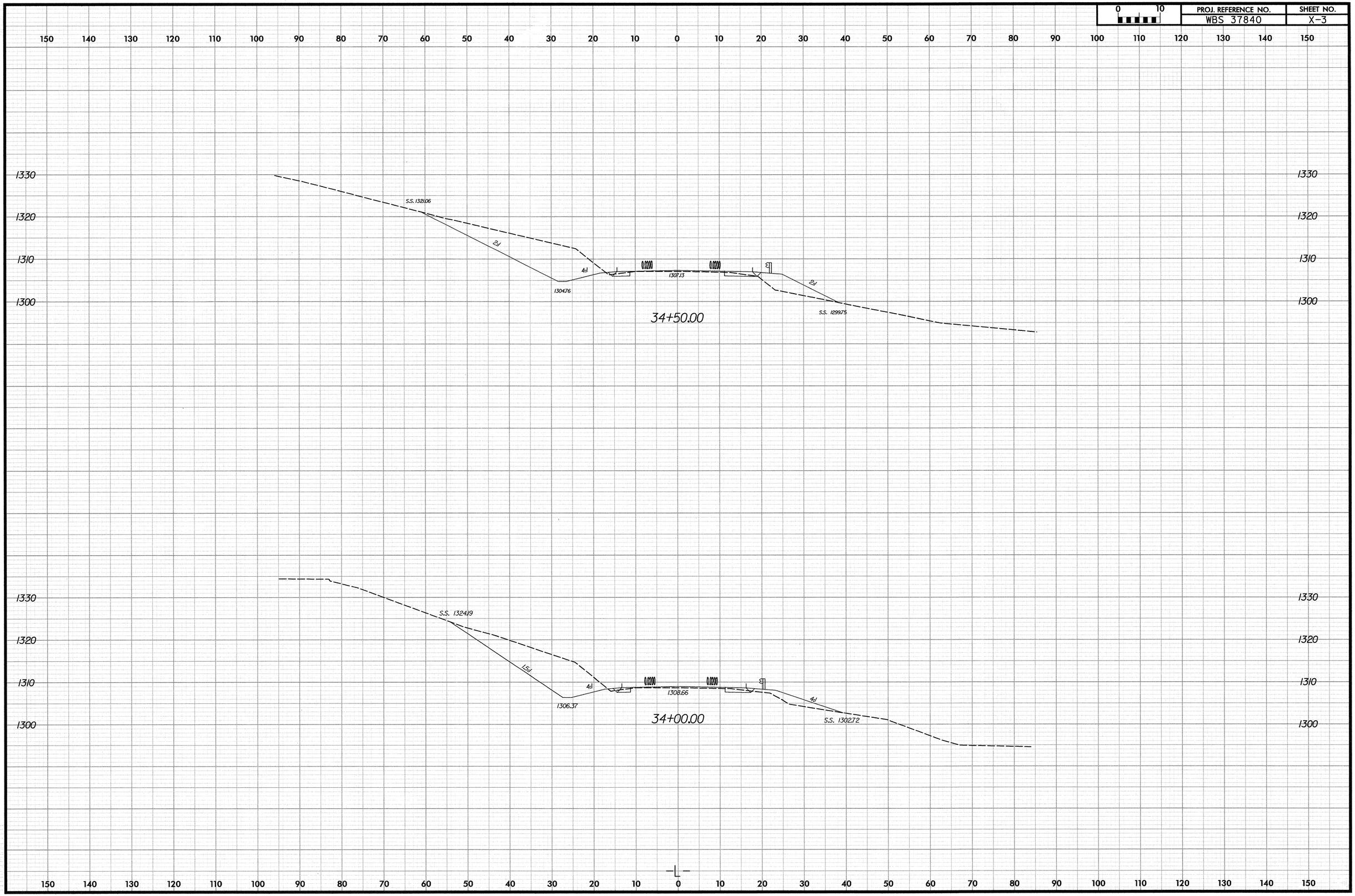
| WBS 37840 | X-3 |



| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-4 |

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1320
1310
1300
1290

S.S. 1310.71
2:1
4:1
1301.55
0.020
0.020
1303.96
2:1
S.S. 1296.82

35+50.00

1320
1310
1300

S.S. 1315.12
2:1
4:1
1303.15
0.020
0.020
1305.54
2:1
S.S. 1298.26

35+00.00

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

| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | 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

1310
1300
1290

S.S. 1304.16
2:1
4:1
1298.335
0.020
0.020
2%
1300.81
2:1
S.S. 1291.45
36+50.00

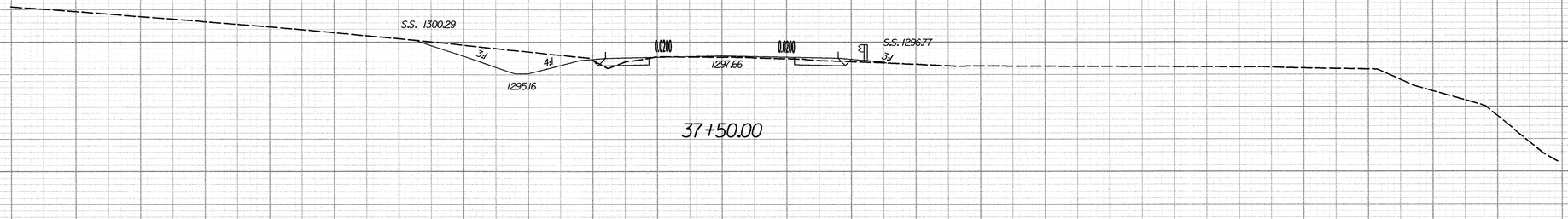
1310
1300
1290

S.S. 1307.35
2:1
4:1
1299.937
0.020
0.020
2%
1302.43
2:1
S.S. 1293.52
36+00.00

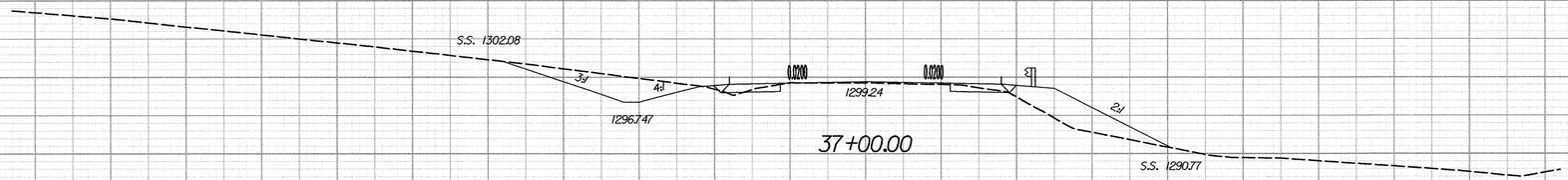
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-6 |

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




37+50.00




37+00.00

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| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-7 |

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1300
1290
1280

S.S. 1292.62
4:1
0.020
0.020
4:1
1292.27
S.S. 1291.50

39+50.00

1300

S.S. 1295.95
4:1
0.020
0.020
4:1
1293.30
S.S. 1293.01

39+00.00

1300
1290

S.S. 1296.53
4:1
0.020
0.020
4:1
1294.71
S.S. 1294.09

38+50.00

1300

S.S. 1300.80
3.5:1
6.9:1
1294.51
0.020
0.020
1296.15
S.S. 1295.58

38+00.00

1300

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

| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-8 |

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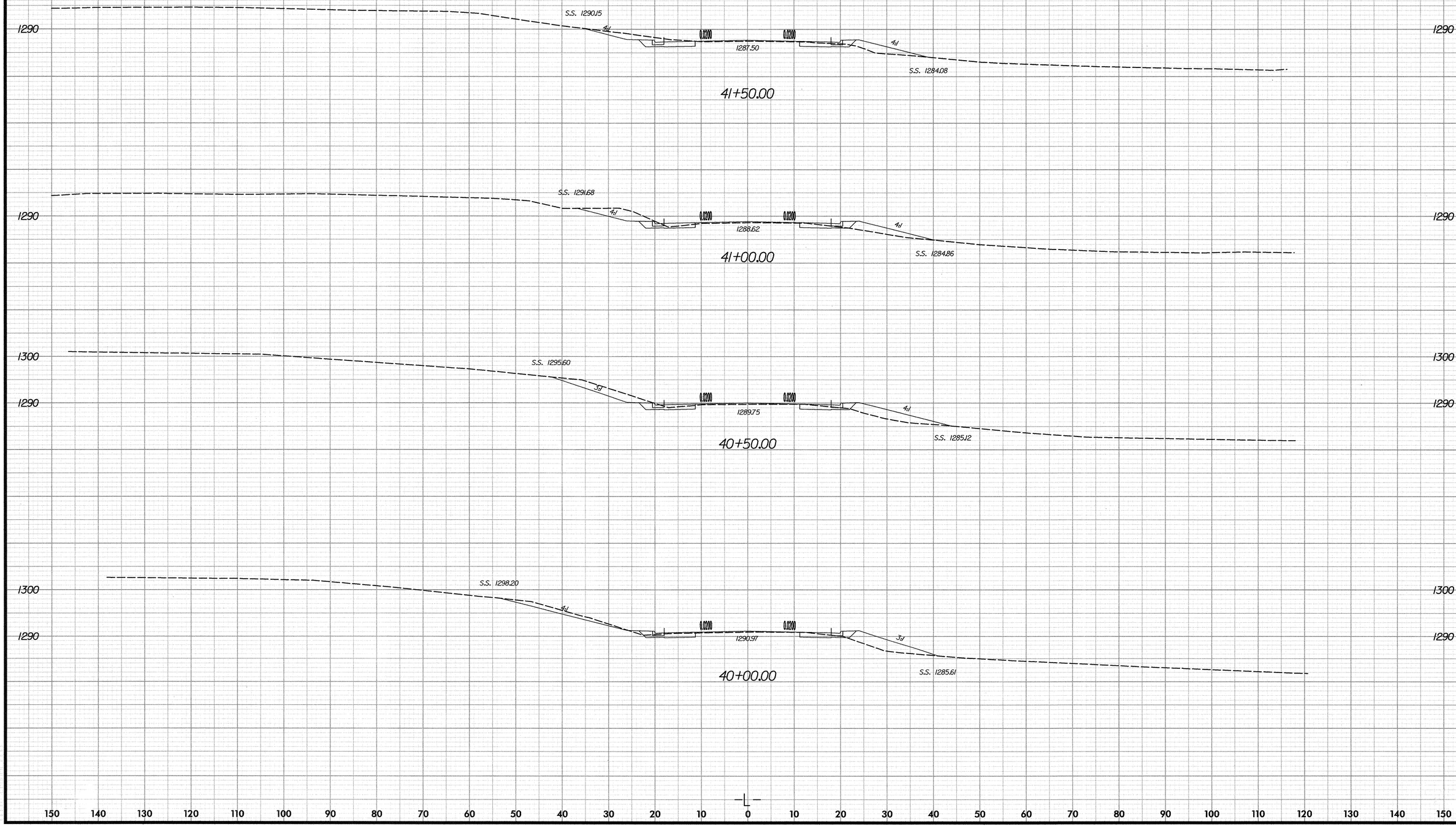


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-9 |

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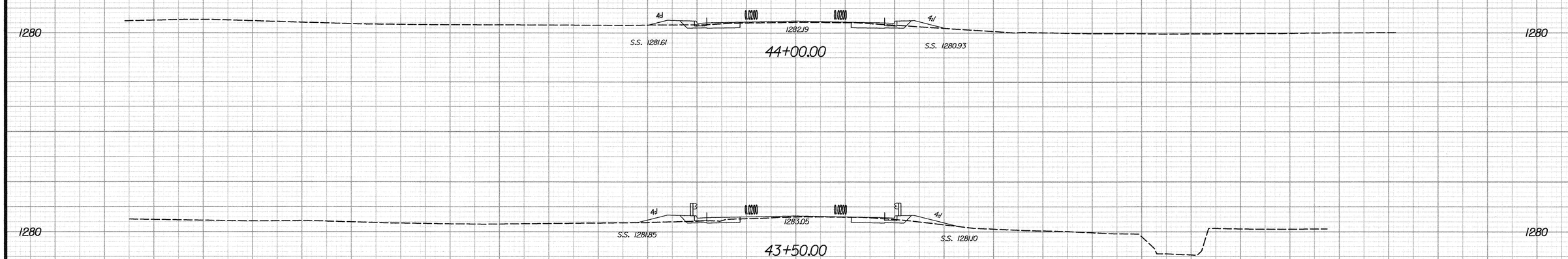


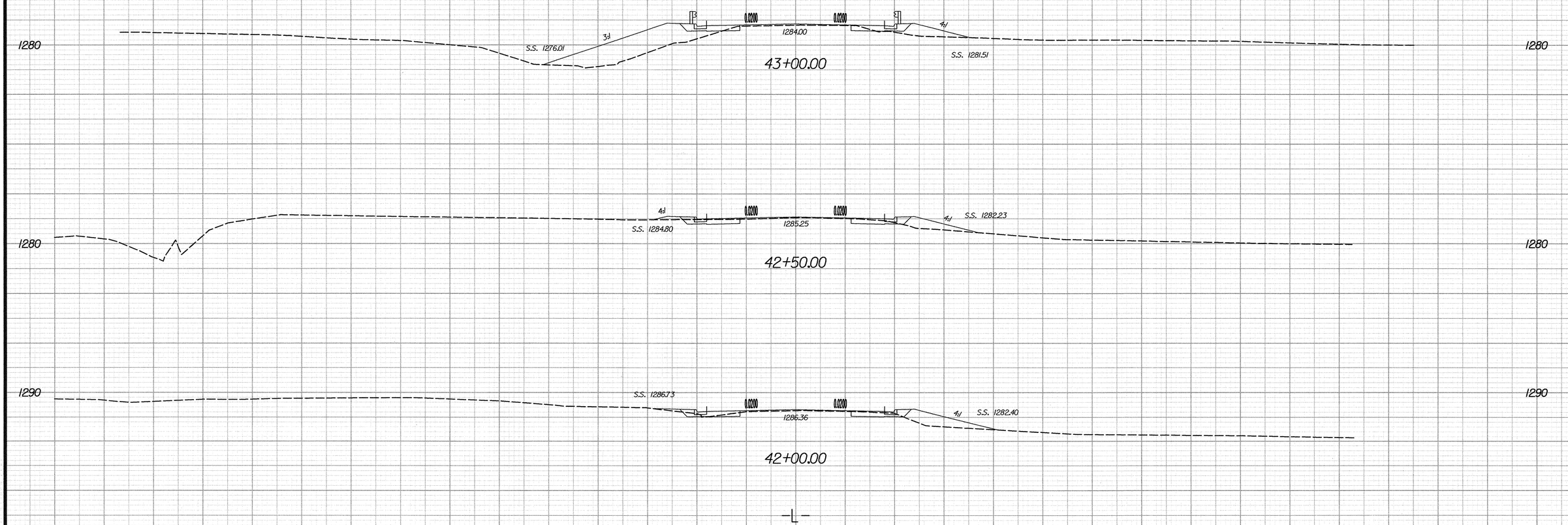


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| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-10 |

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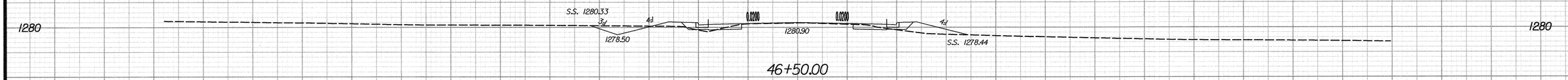
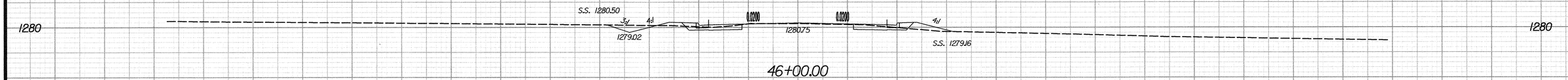


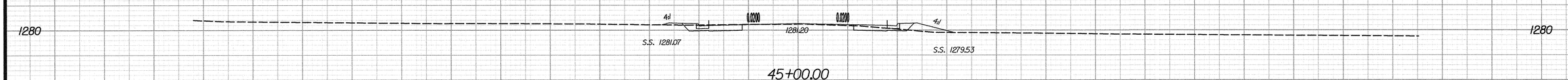

46+50.00



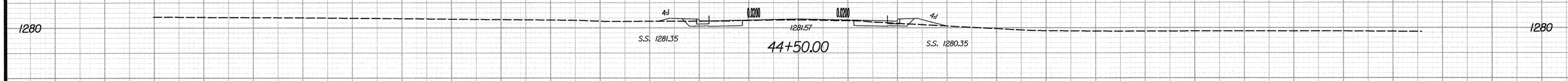

46+00.00




45+50.00




45+00.00




44+50.00

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| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-11 |

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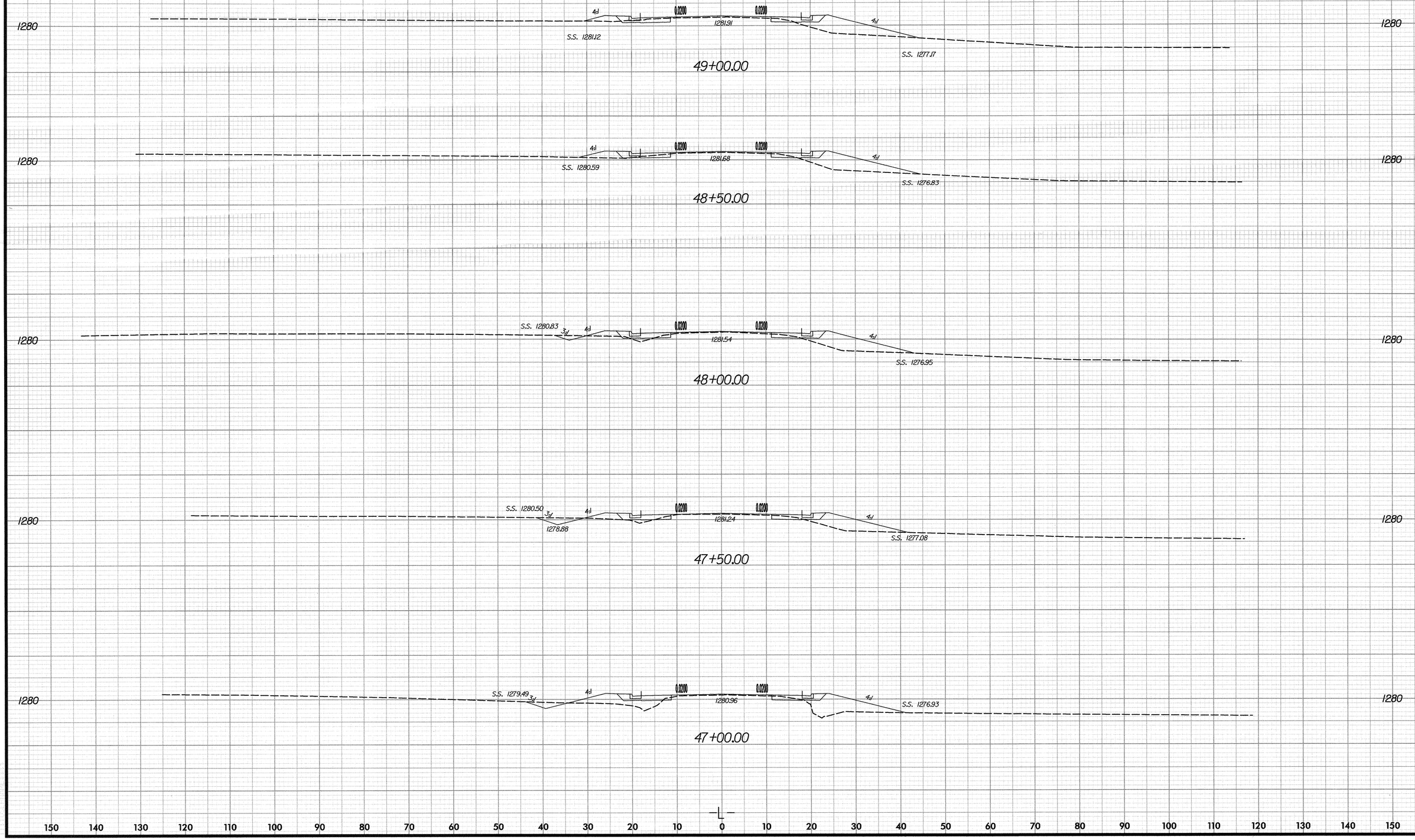


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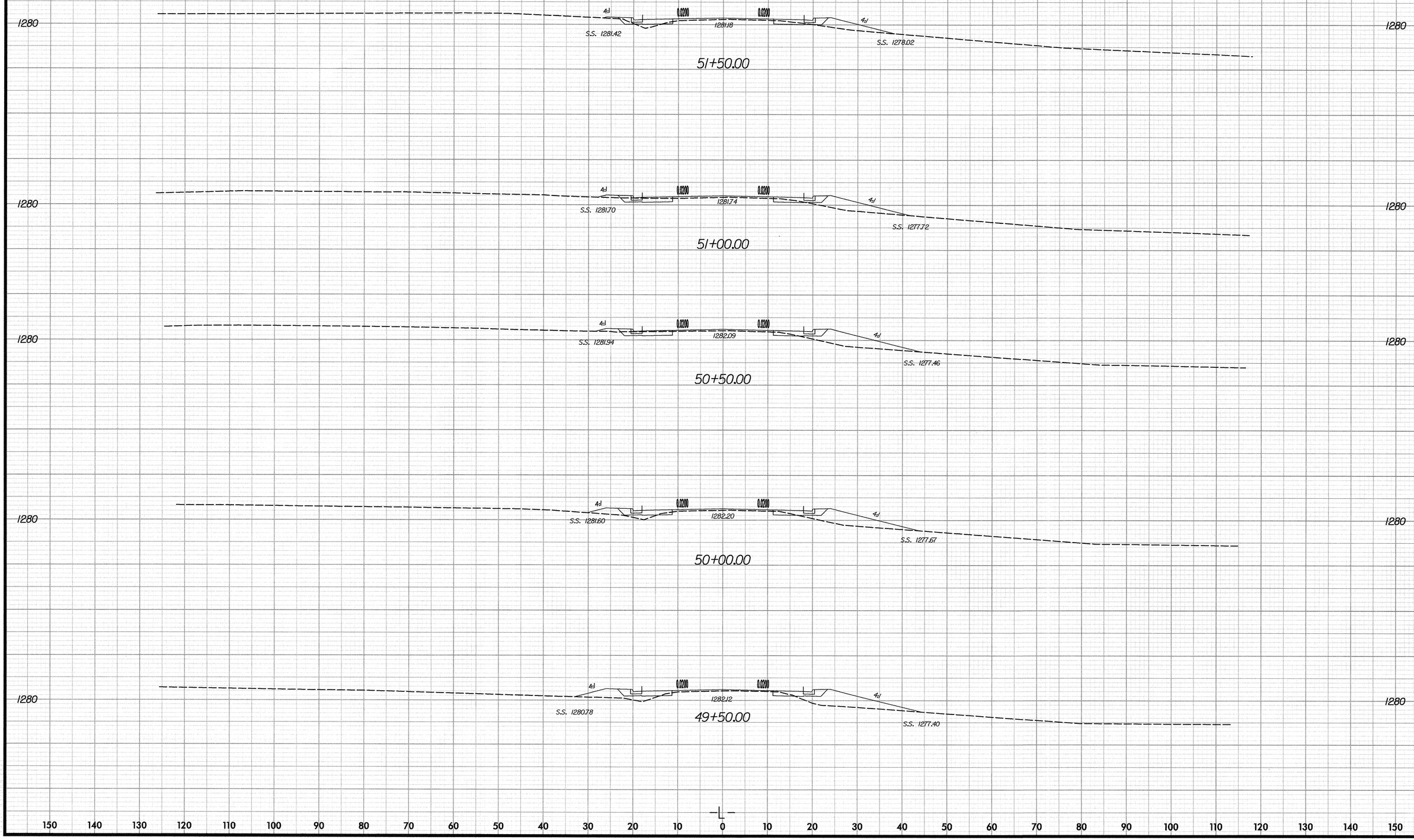
| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-12 |

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



| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-13 |

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

1280

4:1 0.020 0.020 4:1
S.S. 1273.70 1275.19 S.S. 1274.45

54+00.00

1280

4:1 0.020 0.020 4:1
S.S. 1275.67 1276.54 S.S. 1276.21

53+50.00

1280

4:1 0.020 0.020 4:1
S.S. 1277.58 1277.91 S.S. 1277.57

53+00.00

1280

4:1 0.020 0.020 4:1
S.S. 1279.74 1279.13 S.S. 1278.46

52+50.00

1280

4:1 0.020 0.020 4:1
S.S. 1281.10 1280.26 S.S. 1278.50

52+00.00

1280

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

| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-14 |

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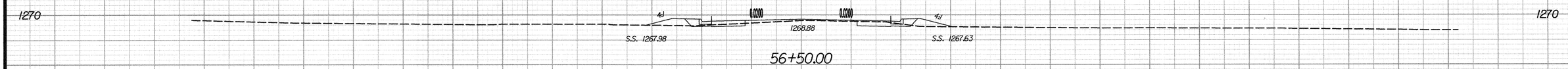
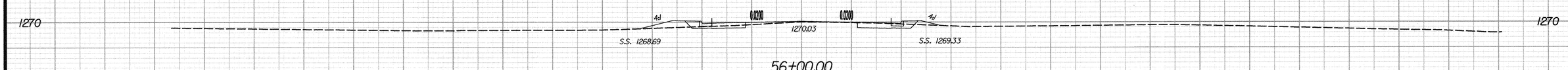
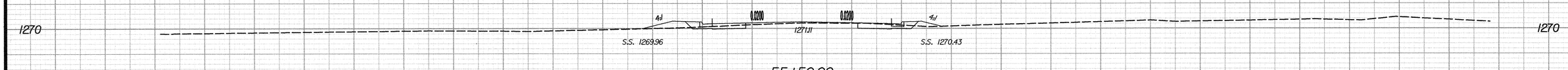


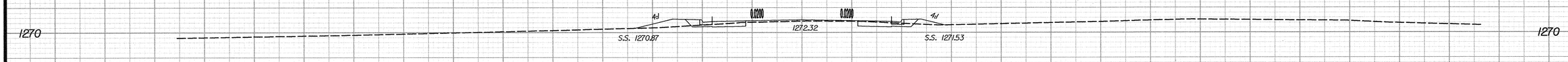

56+50.00



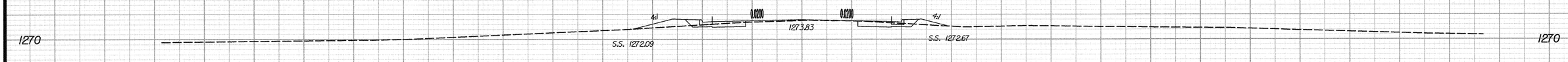

56+00.00




55+50.00




55+00.00




54+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

| 0 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-15 |

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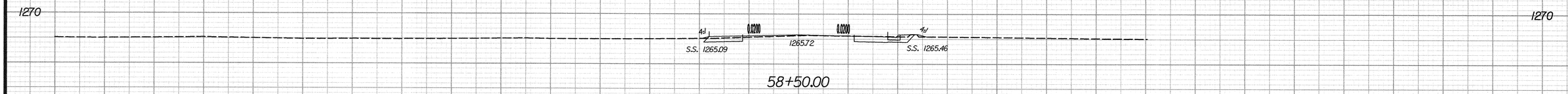
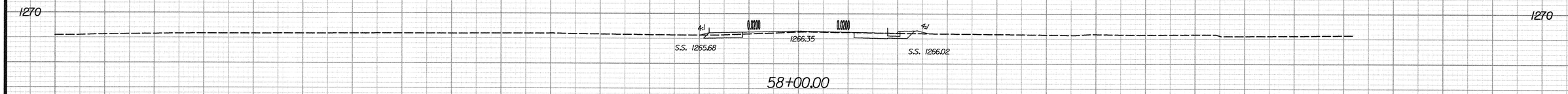



58+50.00

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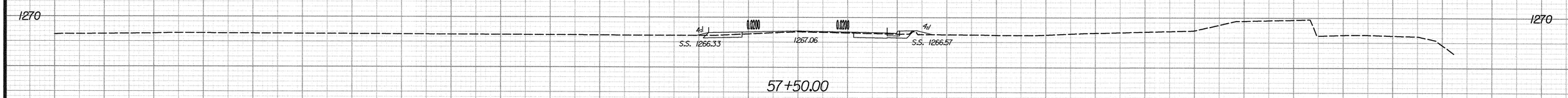
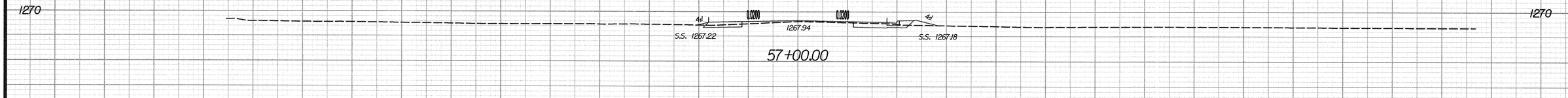



57+50.00




57+00.00

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|---|---|---|
| | WBS 37840 | X-16 |

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1270

0.0200 0.0200

1264.72

59+21.57

1270

1270

4:1 0.0200 0.0200 4:1

S.S. 1264.67 1265.02 S.S. 1264.74

59+00.00

1270

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

| 0 5 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | WBS 37840 | X-17 |

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

1300
1295
1290

S.S. 1292.60
-0.0077
0.0072
S.S. 1297.24
1294.70

11+50.00

1305
1300
1295
1290

S.S. 1297.16
-0.042
0.042
S.S. 1298.67
1297.37

11+00.00

1305
1300
1295

S.S. 1302.91
-0.0017
0.0013
S.S. 1301.98
1301.46
1298.97

BEGIN FULL DEPTH DITCH LT. STA. 10+50.00
END DITCH LT. STA. 10+86.15, FL EL. 1294.32

10+50.00

1310
1305
1300

EXIST.
EXIST.
1305.25

10+00.00

-Y-

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70