8/23/99

PROJ. REFERENCE NO.	SHEET NO.
B-5833	X-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

INDEX OF CROSS SECTION SHEETS

–L–	US 21 BUSINESS	X–2 TO X–15
–Y1–	SR 1392 BENTON ROAD	X–16 TO X–17
–Y2–	SR 1393 WILKINS ROAD	X–18 TO X–19
–RAMPD–	TO SOUTHBOUND I–77	X–20 TO X–27
–DRW1–		X–28 TO X–29
–LOOPD–	FROM SOUTHBOUND I–77	X–30 TO X–35
–Y3–	I–77	X–36 TO X–42
–LOOPA–	TO NORTHBOUND I–77	X–43 TO X–44
–Y4–	SR 1350 LITTLE MOUNTAIN ROAD	X–45
–RAMPA–	FROM NORTHBOUND I–77	X–46 TO X–48
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8/6/2023
c:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_index.dgn
User:mlowery

PROJ. REFERENCE NO.	SHEET NO.
B-5833	X-1A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

CROSS-SECTION SUMMARY

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
20+00.00	0	0
20+50.00	256	27
21+00.00	152	76
21+50.00	52	175
22+00.00	48	305
22+50.00	30	425
23+00.00	11	548
23+50.00	0	516
24+00.00	0	480
24+50.00	0	881
25+00.00	29	1296
25+50.00	47	1315
26+00.00	70	1416
26+50.00	331	1038

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
29+50.00	0	0
30+00.00	0	1501
30+50.00	44	1044
31+00.00	113	931
31+50.00	160	834
32+00.00	181	832
32+50.00	166	855
33+00.00	146	791
33+50.00	130	659
34+00.00	113	610
34+50.00	97	567
35+00.00	76	483

Station Ldet (Const.)	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
11+00.00	0	0
11+50.00	4	92
12+00.00	4	125
12+50.00	24	209
13+00.00	33	220
13+50.00	16	71
14+00.00	24	7
14+50.00	37	4

Station Drw1	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+50.00	0	0
11+00.00	4	0
11+50.00	3	5
12+00.00	1	64
12+50.00	0	137
13+00.00	0	253
13+50.00	0	666

Station Drw1	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
14+00.00	0	1104
14+50.00	0	1243
15+00.00	0	1142
15+26.56	0	373

Station Rampd	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
12+00.00	0	0
12+50.00	0	3465
13+00.00	0	4074
13+50.00	0	4048
14+00.00	0	3162
14+50.00	0	2092
15+00.00	0	1411
15+50.00	0	1046
16+00.00	12	785

Station Loopd	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
12+50.00	0	0
13+00.00	730	927
13+50.00	810	1014
14+00.00	648	799

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+50.00	0	0
11+00.00	20	39
11+50.00	25	119
12+00.00	30	100
12+50.00	31	159
13+00.00	30	205
13+50.00	13	172
14+00.00	1	174
14+50.00	1	203
15+00.00	0	240
15+50.00	1	210
16+00.00	1	213
16+50.00	35	198
17+00.00	35	171
17+50.00	33	145
18+00.00	75	122
18+50.00	44	59
19+00.00	62	13
19+50.00	164	25
20+00.00	233	21

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
35+00.00	0	0
35+50.00	32	251
36+00.00	11	17
36+50.00	12	1
37+00.00	3	23
37+50.00	3	56
38+00.00	3	73
38+50.00	3	44
39+00.00	5	11
39+50.00	5	32
40+00.00	34	27
40+50.00	66	3
41+00.00	81	2
41+50.00	73	0

Station Y1	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
11+00.00	0	0
11+25.00	28	0
11+50.00	43	1
11+75.00	19	1
11+94.74	0	2

Station Y2	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+50.00	0	53
11+00.00	0	134
11+25.00	0	72
11+60.00	1	56

Station Y4	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
12+30.00	0	0
12+75.00	4	5
13+00.00	2	10
13+25.00	2	20
13+50.00	1	13
13+61.91	0	0

Station Rampd	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+15.19	0	0
10+50.00	0	137
11+00.00	0	514
11+50.00	0	1426
12+00.00	0	2569

Station Rampd	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
16+00.00	0	0
16+50.00	63	488
17+00.00	92	208
17+50.00	72	40
18+00.00	62	2

Station Loopd	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+15.27	0	0
10+50.00	0	118
11+00.00	72	89
11+50.00	108	106
12+00.00	236	273
12+50.00	506	594

Station Loopd	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
14+00.00	0	0
14+50.00	498	462
15+00.00	431	159
15+50.00	319	17
16+00.00	181	0
16+50.00	94	6
17+00.00	71	89
17+50.00	72	88

Station Y3	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
12+00.00	0	0
12+50.00	35	8
13+00.00	51	16
13+50.00	58	7
14+00.00	48	0
14+50.00	44	0
15+00.00	43	0
15+50.00	43	0
16+00.00	47	1
16+50.00	43	3

Station Y3	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
14+00.00	0	0
14+50.00	34	3
15+00.00	45	1
15+50.00	45	0
16+00.00	41	0
16+50.00	41	0
17+00.00	40	0
17+50.00	44	0

Station Y3	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
18+00.00	40	0
18+50.00	32	0

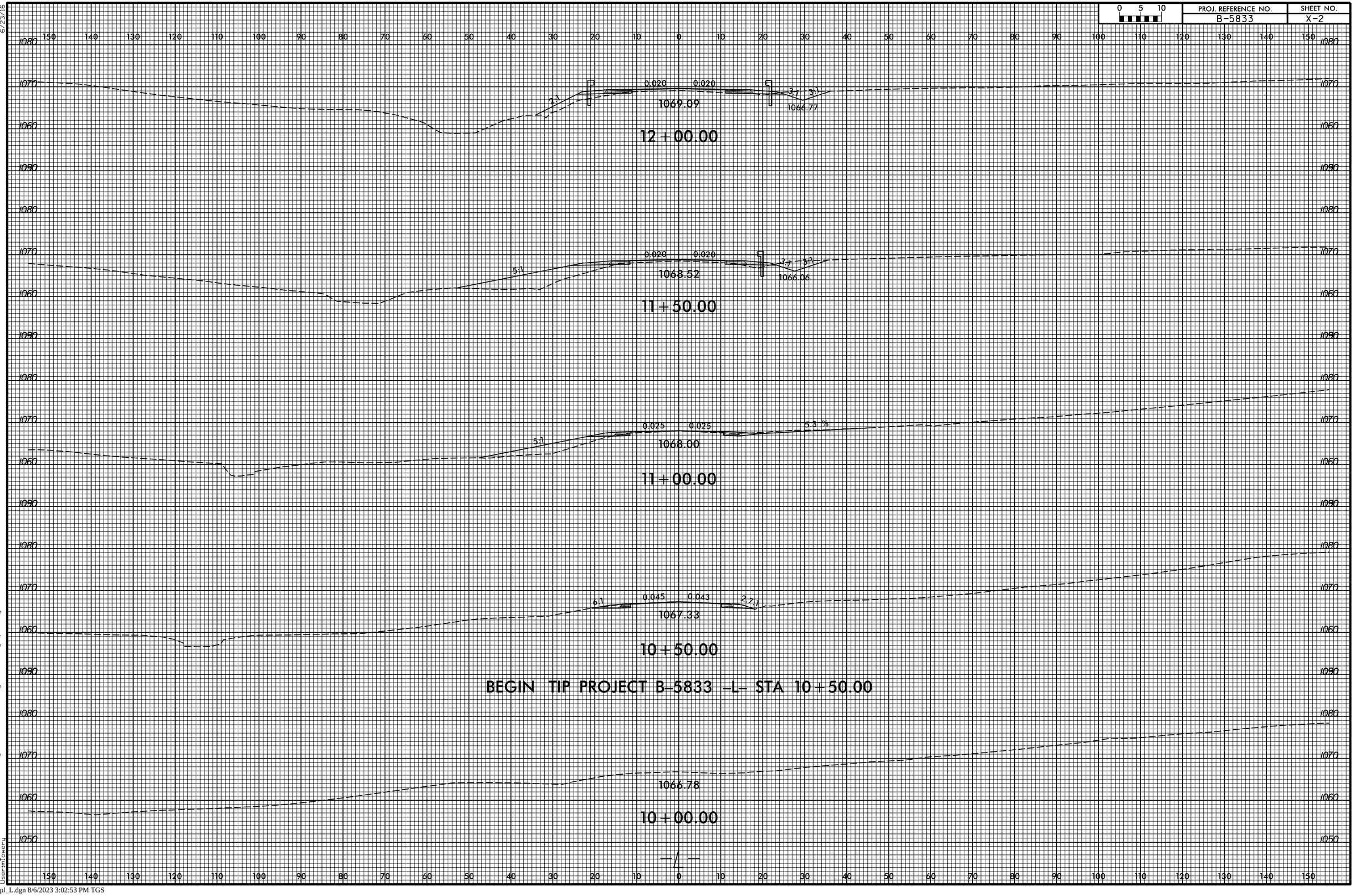
Station Loopa	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+14.76	0	0
10+50.00	20	33
11+00.00	30	136
11+50.00	6	192
12+00.00	0	189
12+50.00	0	165
13+00.00	1	136
13+50.00	13	103
14+00.00	31	73
14+50.00	54	29

Station Rampa	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+14.77	0	0
10+50.00	3	68
11+00.00	0	196
11+50.00	34	197
12+00.00	72	201
12+50.00	78	194
13+00.00	74	156
13+50.00	78	95
14+00.00	142	35
14+50.00	243	6
15+00.00	300	1
15+50.00	186	0

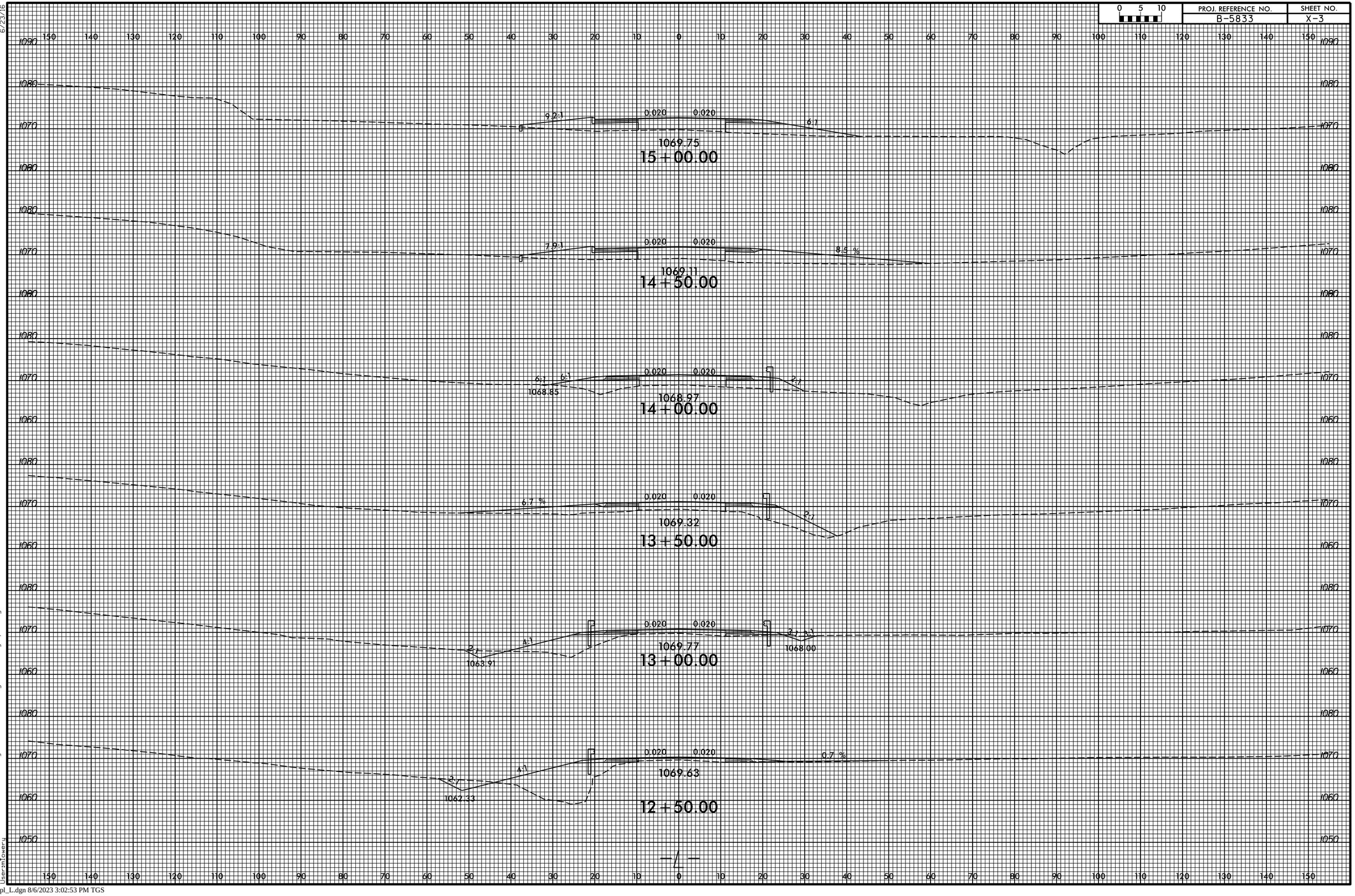
Station Ldet (Removal)	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
11+00.00	0	0
11+50.00	92	4
12+00.00	125	4
12+50.00	209	24
13+00.00	220	33
13+50.00	71	16
14+00.00	7	24
14+50.00	4	37

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

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-2



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-3



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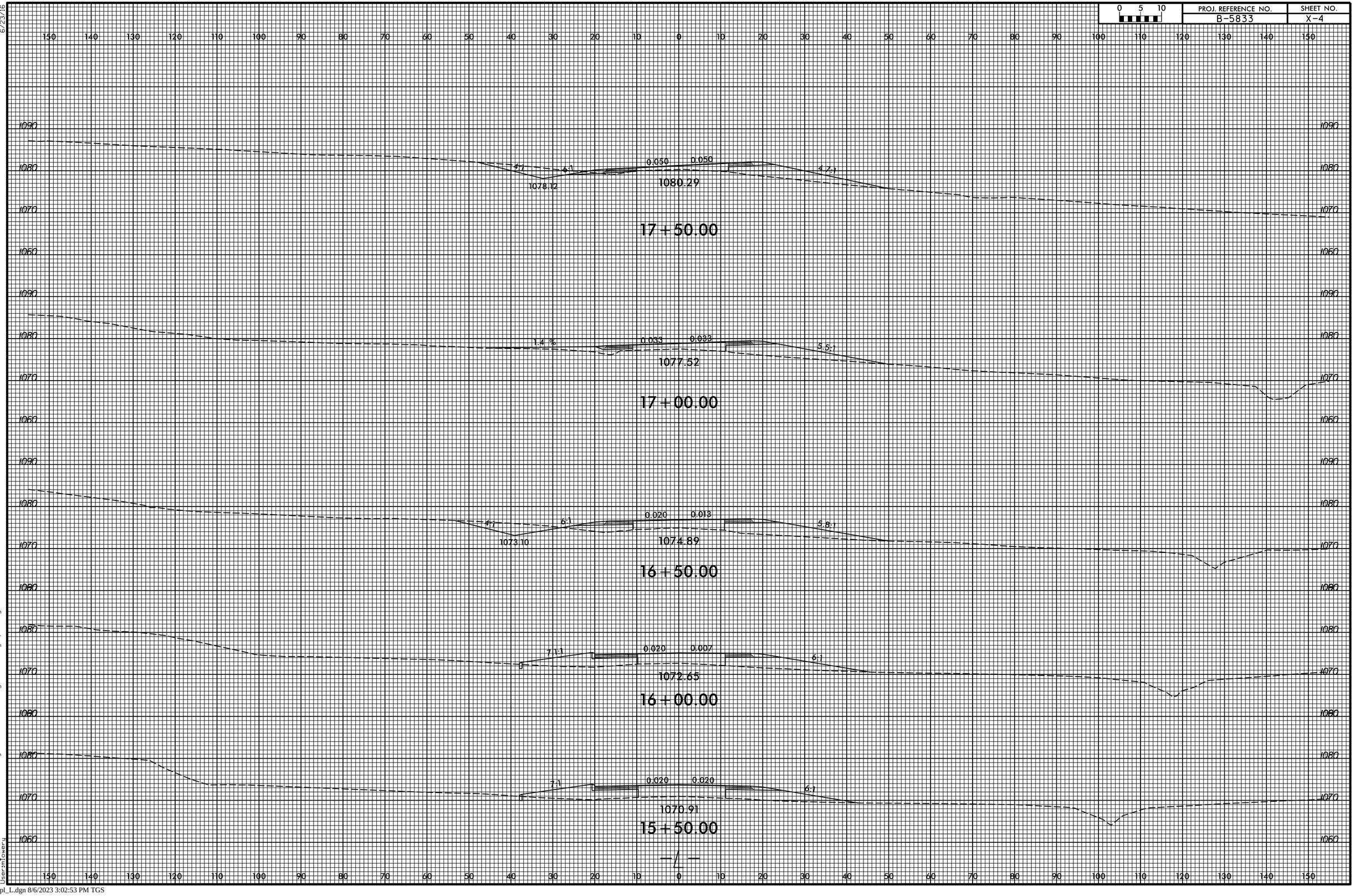
User:mowery

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-4



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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
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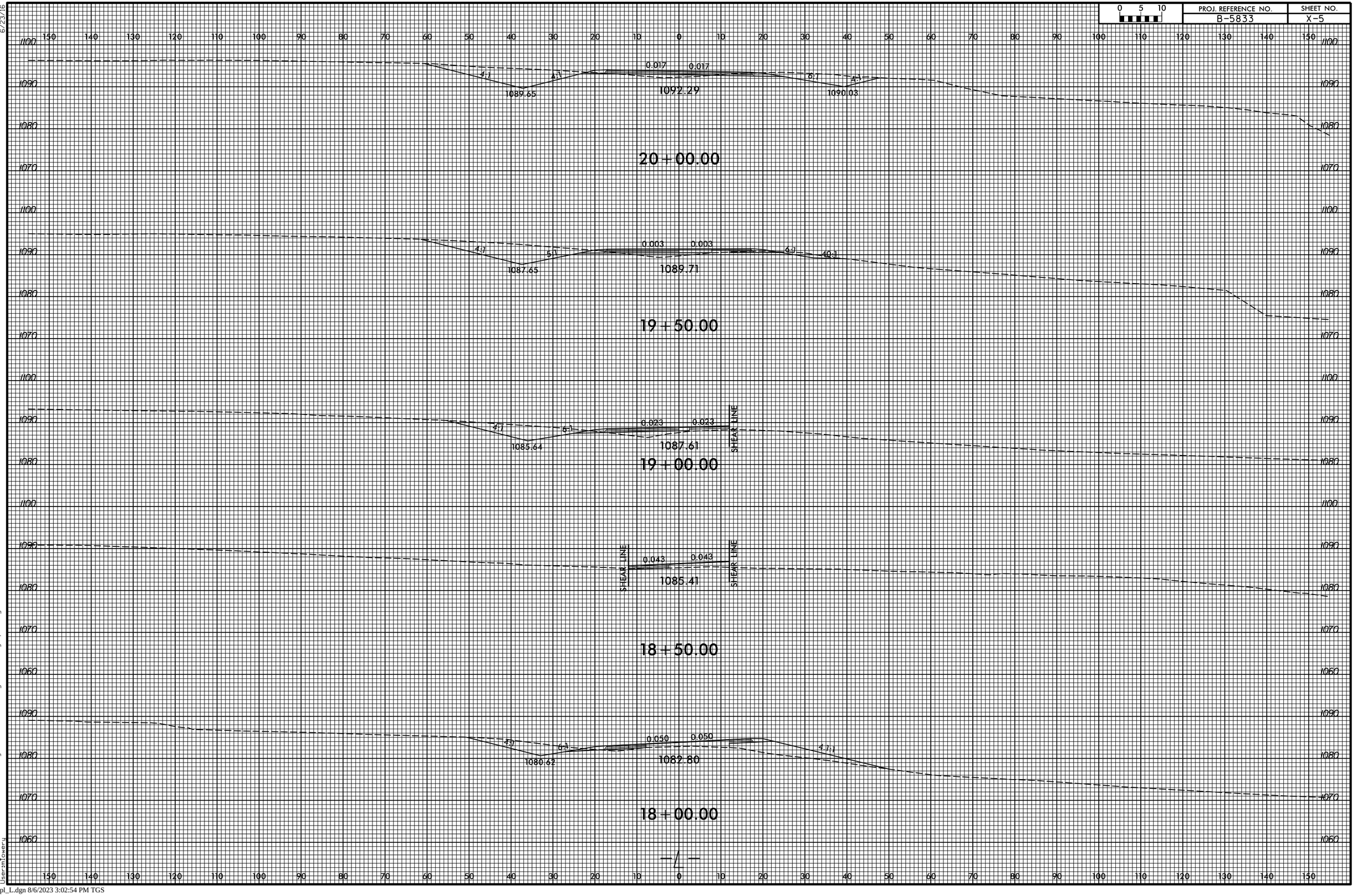

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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-6

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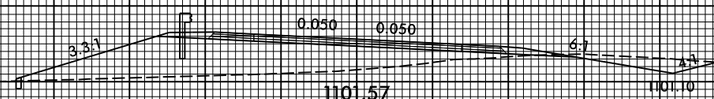
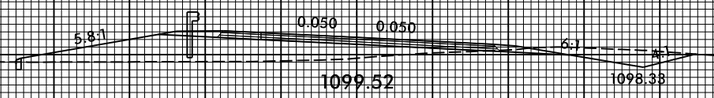
1110 1100 1090 1080



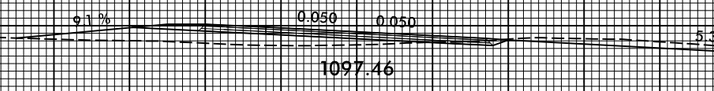
22+00.00

1110 1100 1090 1080



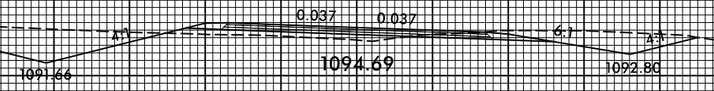
21+50.00

1110 1100 1090 1080



21+00.00

1100 1090 1080



20+50.00

1070

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6/23/16

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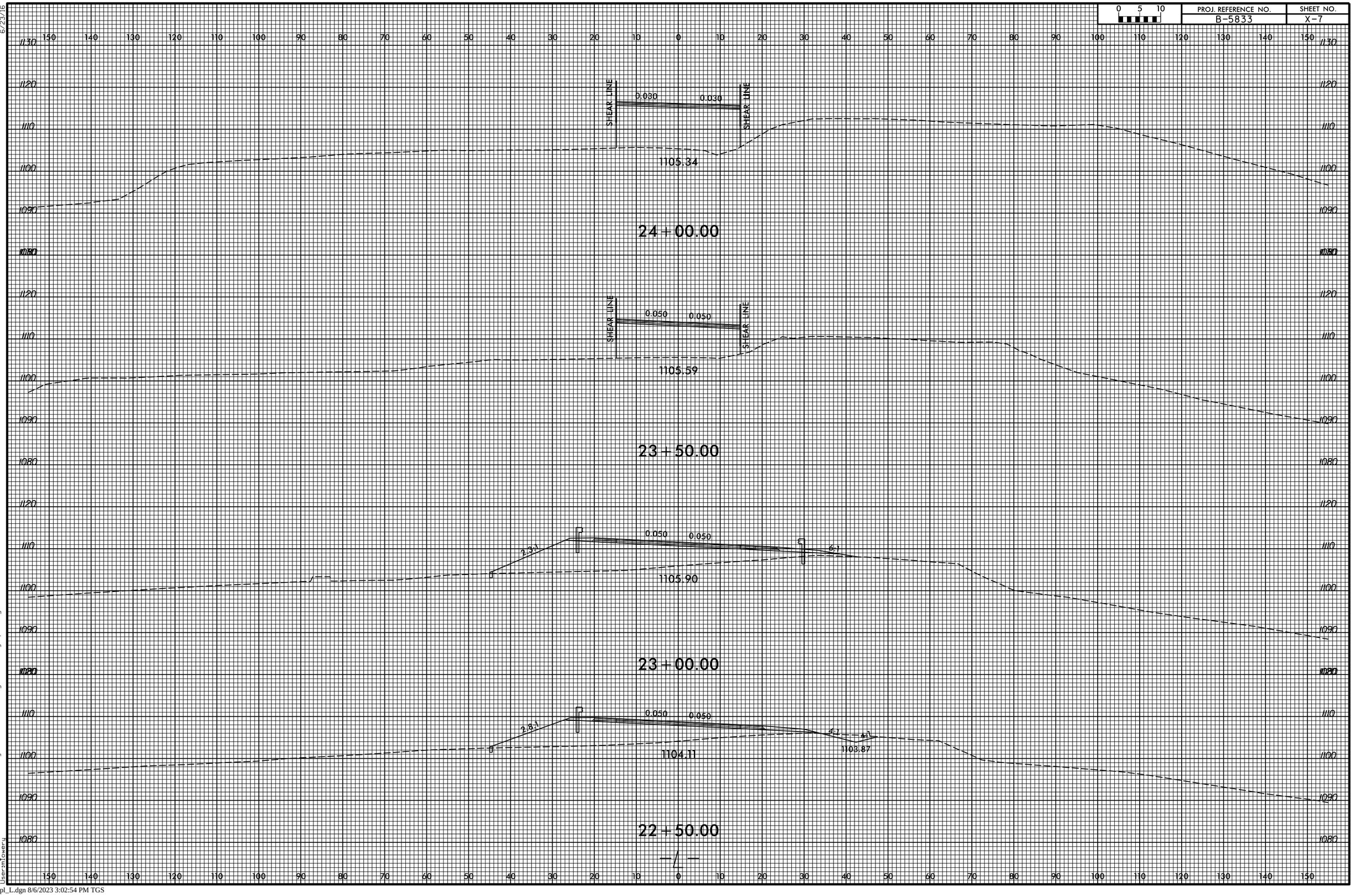
	B-5833	X-7



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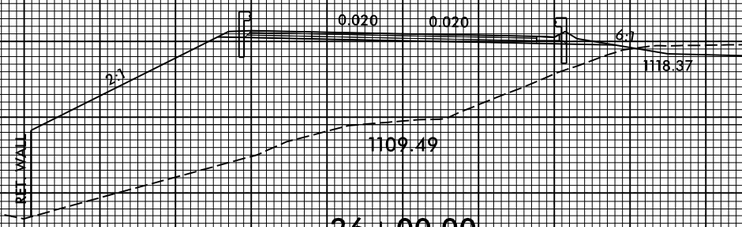
1130 1120 1110 1100 1090 1080



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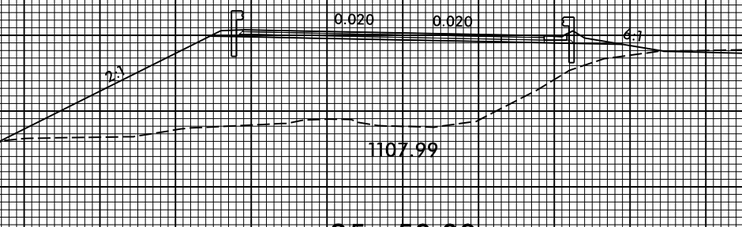
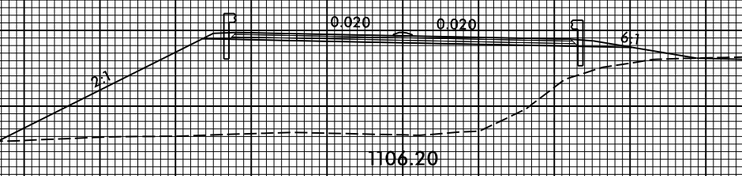


25+50.00



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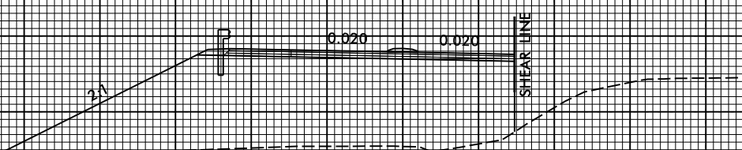

24+50.00

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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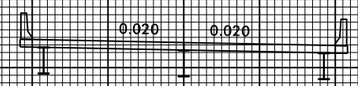
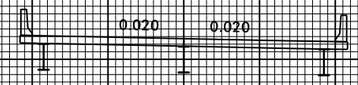
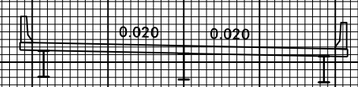


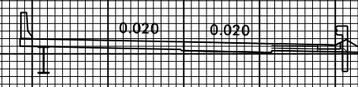
1100.16
28+00.00



1099.71
27+50.00



1099.50
27+00.00



BEGIN BRIDGE –L– STA 26+51.48

1099.57
26+50.00

6/23/16
8/6/2023
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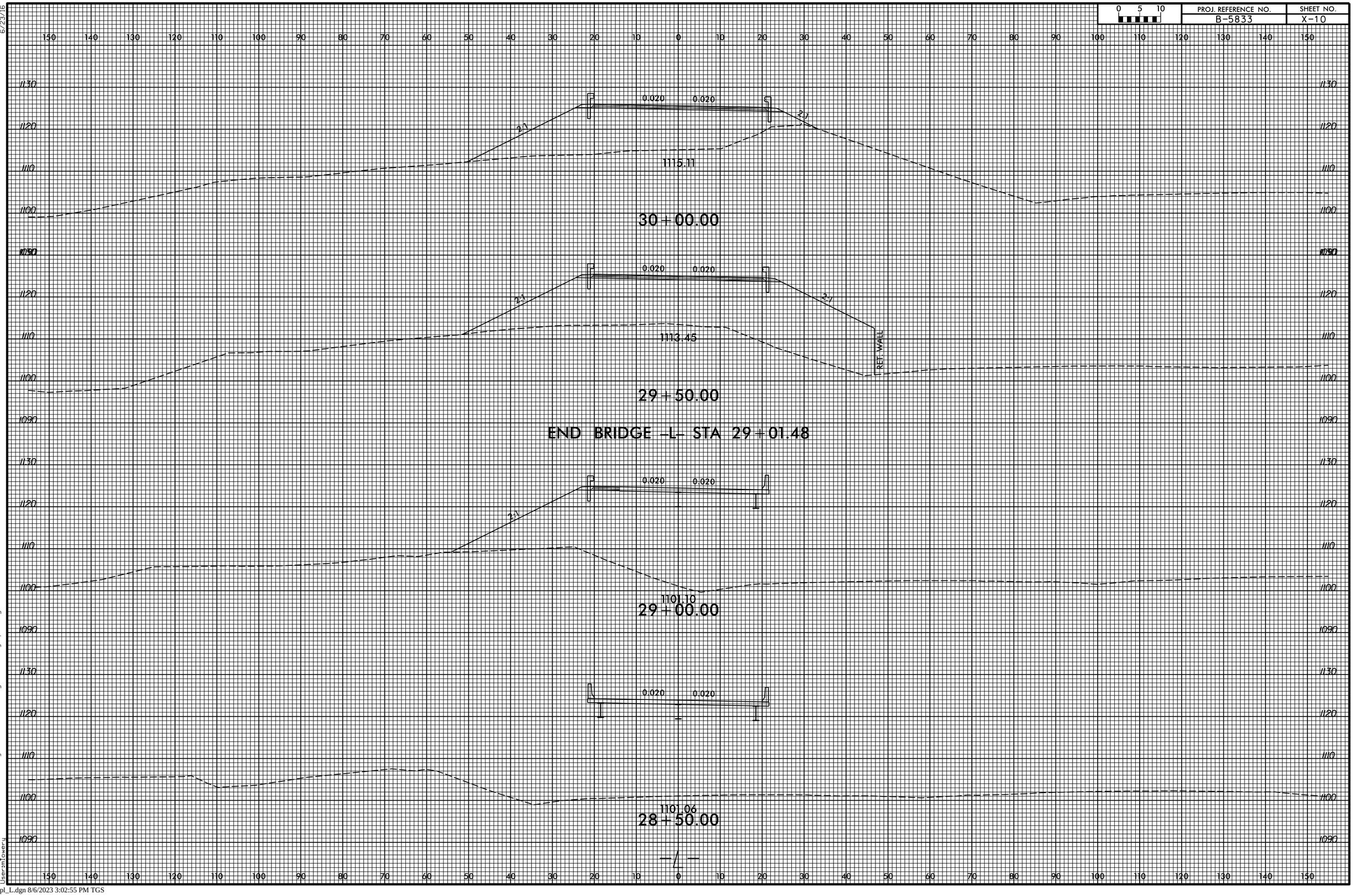
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-10



6/23/16

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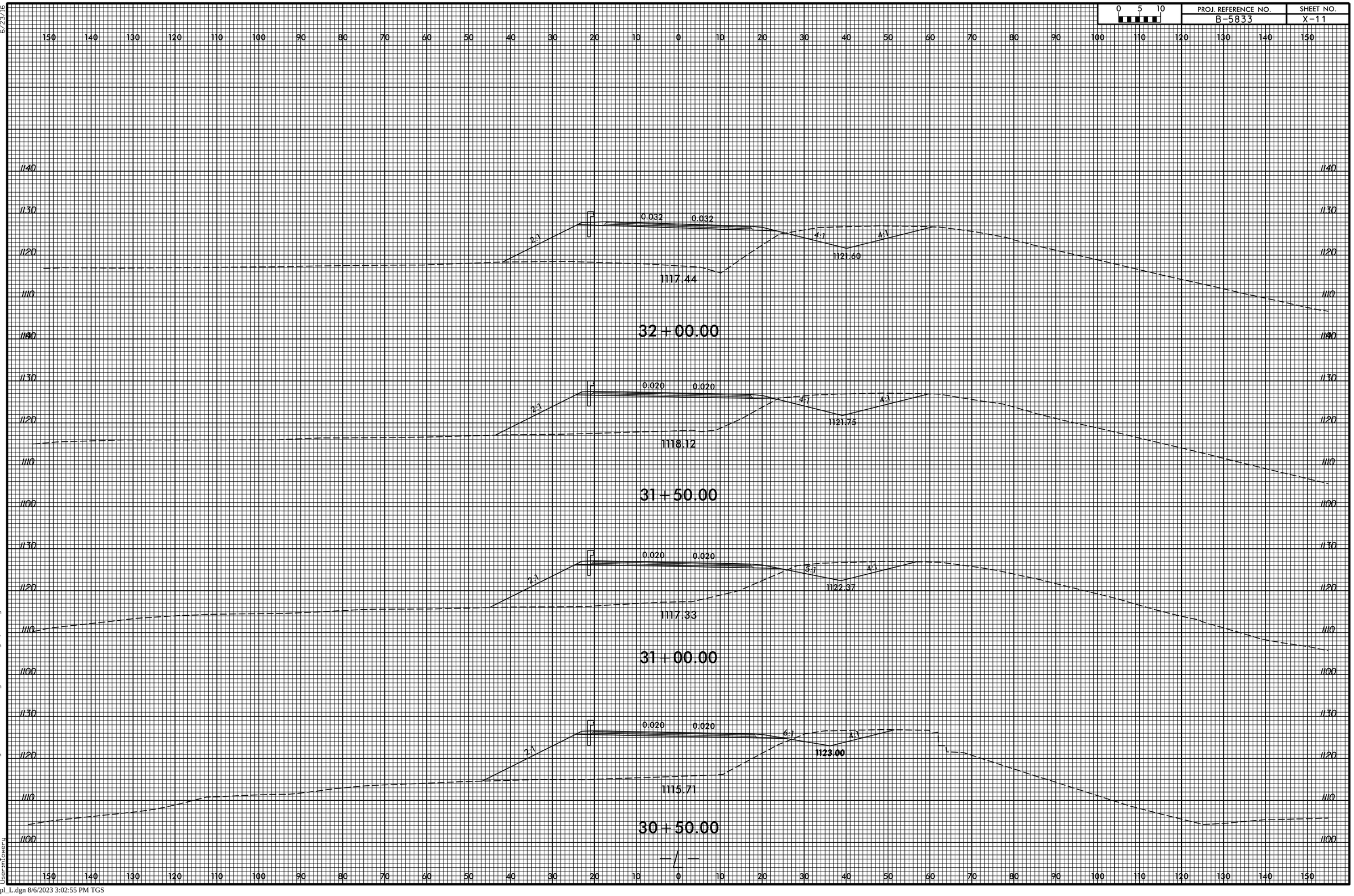

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User:mowery

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-12

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1140
1130
1120
1110
1100

0.040 0.040 2:1 4:1 4:1 1122.27 1118.88

34+00.00

0.040 0.040 2:1 4:1 4:1 1122.10 1119.96

33+50.00

0.040 0.040 2:1 4:1 4:1 1121.93 1117.71

33+00.00

0.040 0.040 2:1 4:1 4:1 1121.77 1117.26

32+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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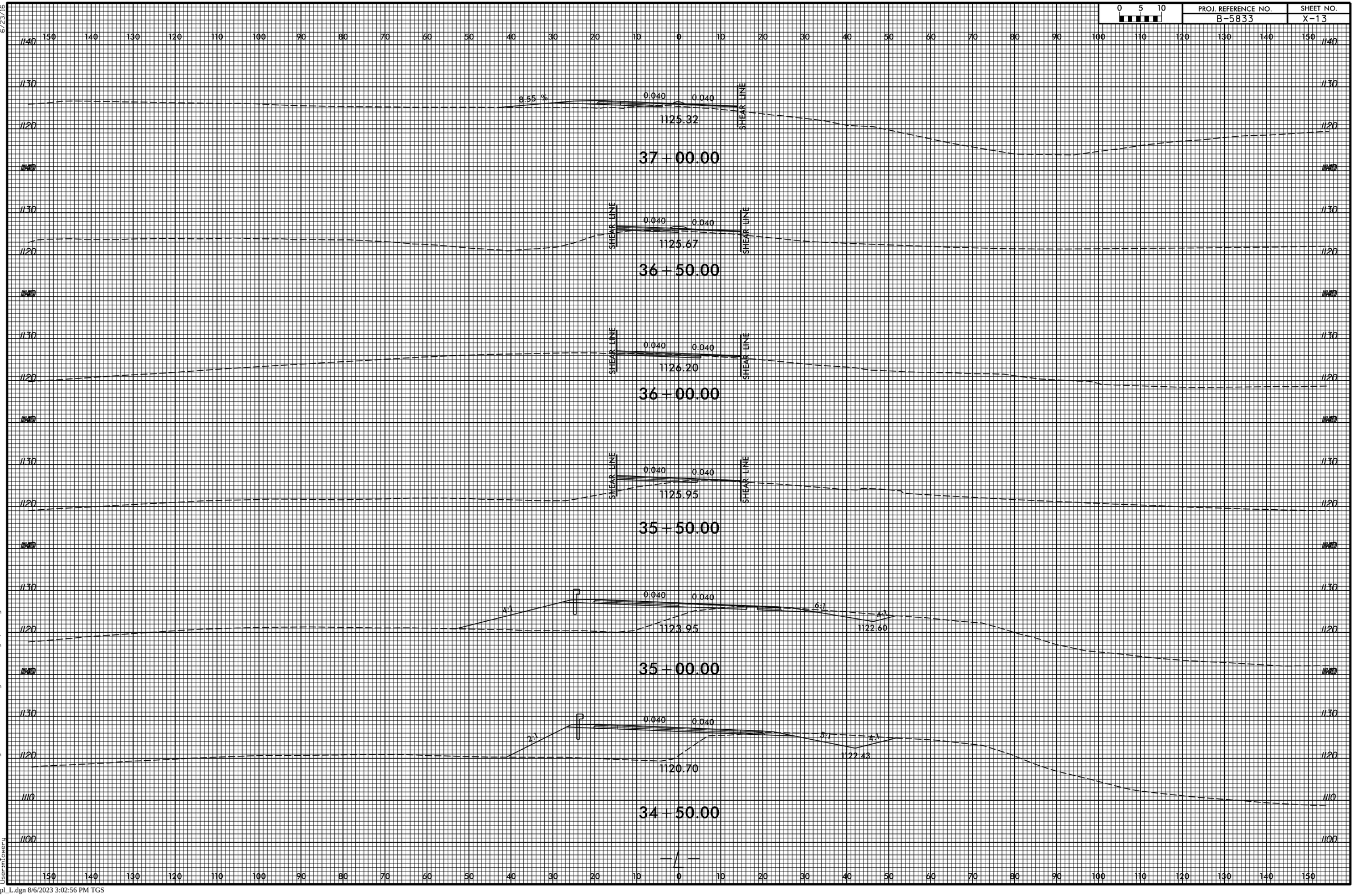
	B-5833	X-13



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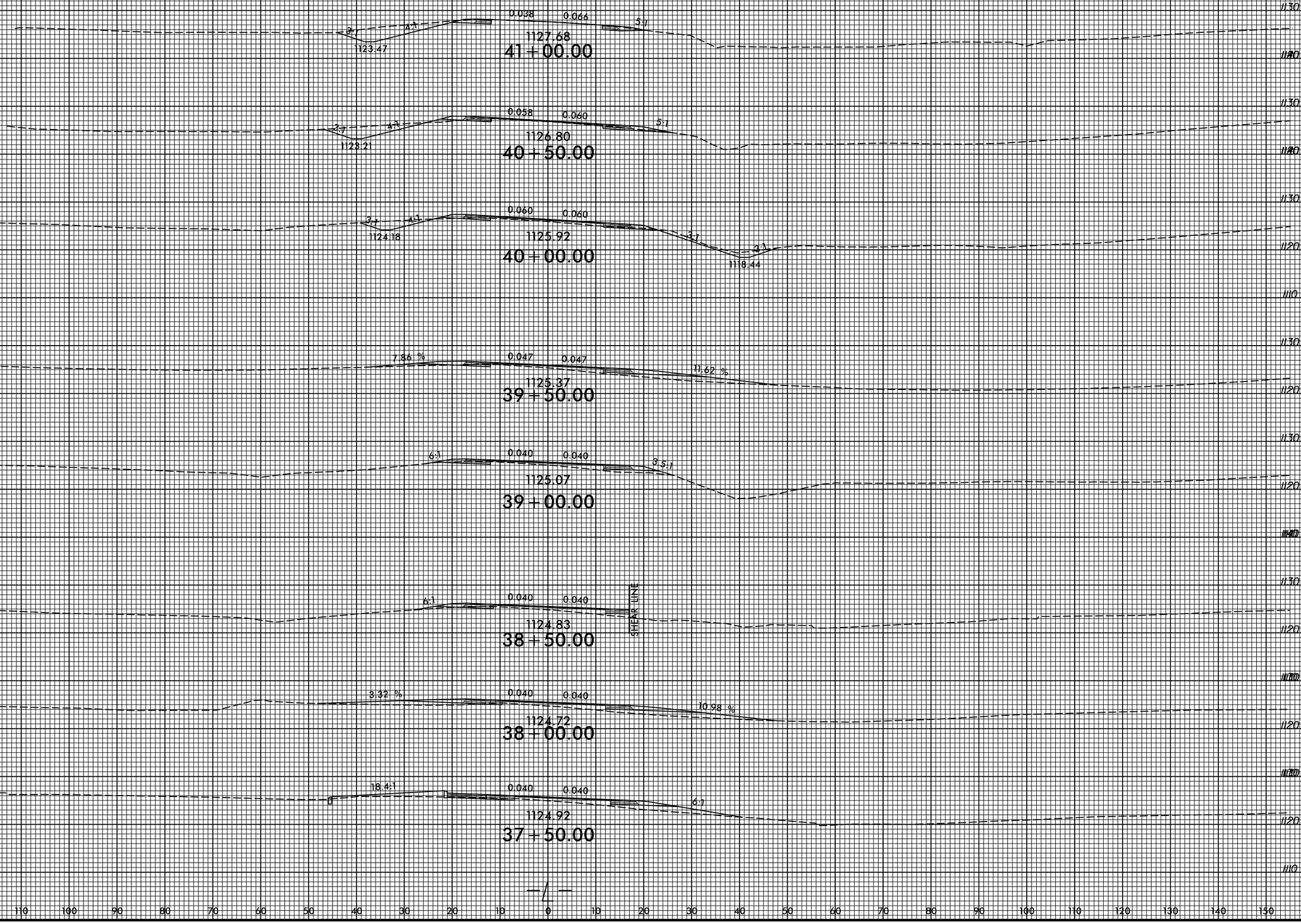
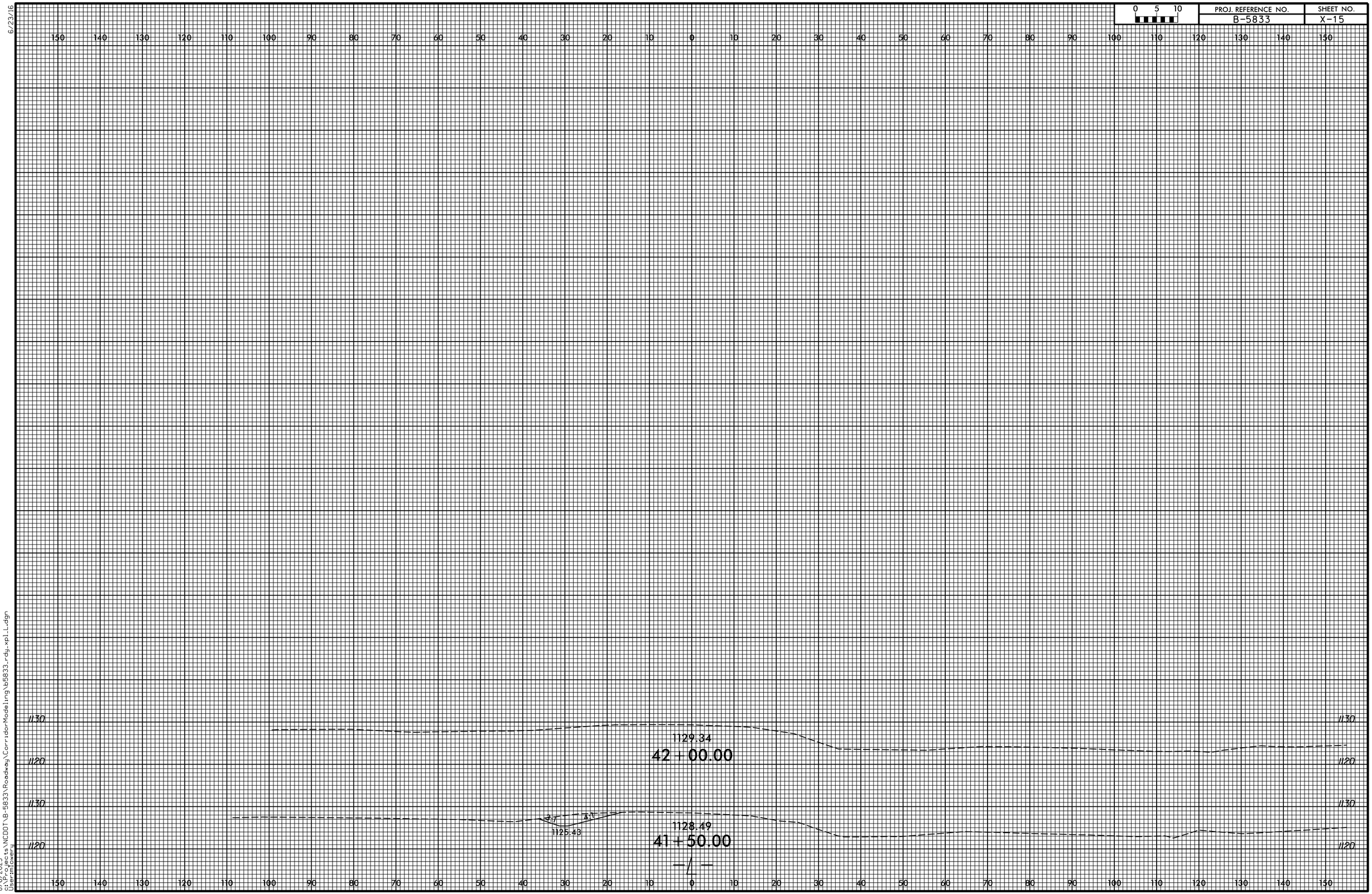
	B-5833	X-14

END TIP PROJECT B-5833 -L- STA 41+00.00





6/23/16

8/6/2023
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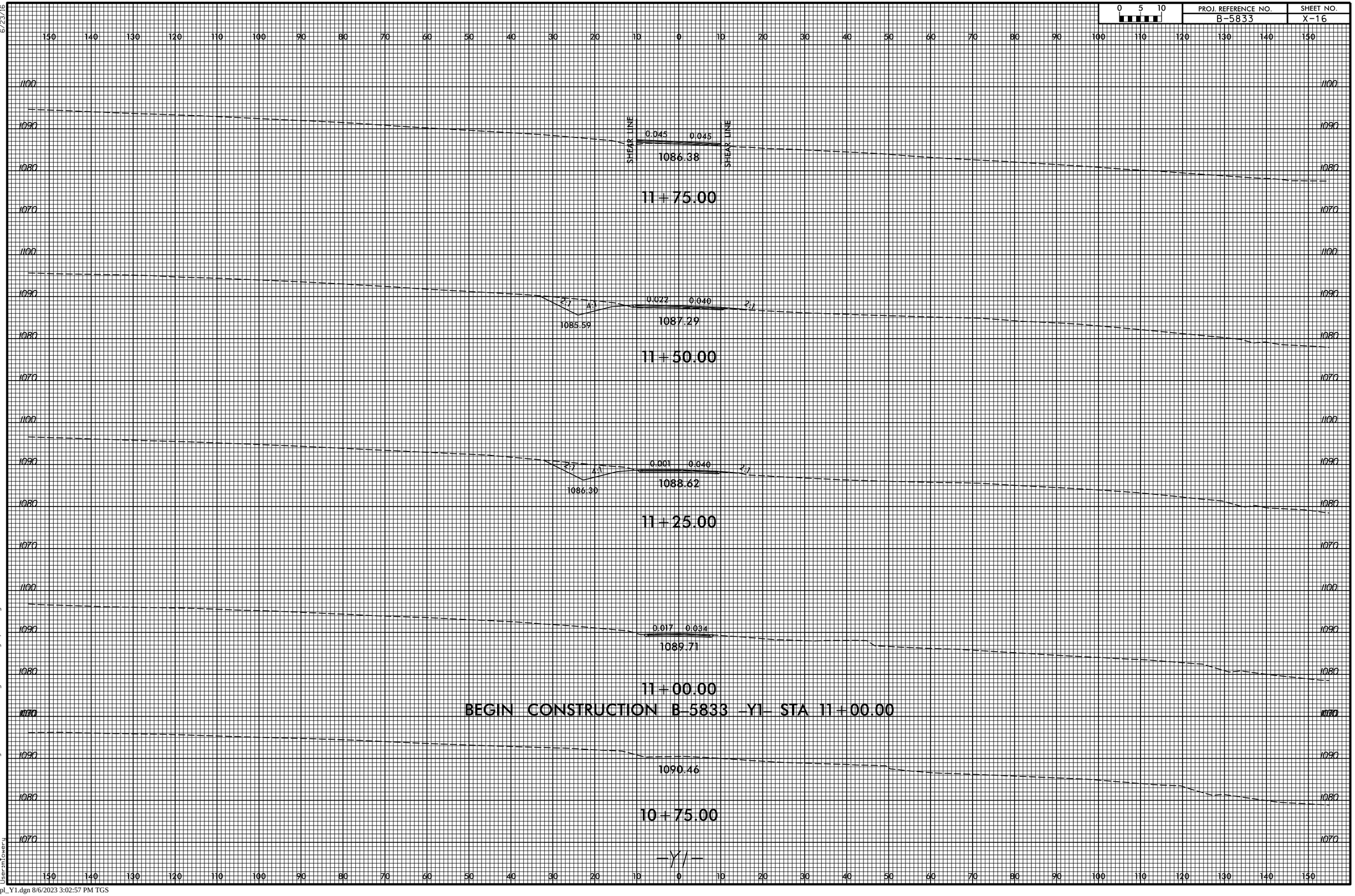
6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-16



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6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	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

1100

1090

1080

1070

END CONSTRUCTION B-5833 -Y1- 11+94.74

SHEAR LINE

0.051

0.051

SHEAR LINE

1085.94

11+94.74

-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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6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-18

END CONSTRUCTION B-5833 -Y2- STA 11+60.00

0.044 0.034 3:1

1083.03

11+60.00

3:1 0.022 0.022

1083.81

3:1

11+25.00

4:1 0.006 0.006

1084.34

3:1

11+00.00

4:1 0.026 0.026

1085.74

3:1

10+50.00

SHEAR LINE

0.050

SHEAR LINE

1086.38

BEGIN CONSTRUCTION B-5833 -Y2- STA 10+12.00

-Y2-

1100 1090 1080 1070

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

8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_Y2.dgn
User:mowery

b5833_rdy_xpl_Y2.dgn 8/6/2023 3:02:58 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	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

1100
1090
1080
1070

1082.41

12+00.00

-Y2-

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

8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_Y2.dgn
User:mowery

b5833_rdy_xpl_Y2.dgn 8/6/2023 3:02:58 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-20

– LOOPD –
STA 11+41.80

0.011 0.011 0.010 0.010

SEE –LOOPD– CROSS SECTIONS FOR END CONDITIONS (TYP.)

RAMPD EARTHWORK COMPUTED TO THIS LINE (TYP.)

2:1

1098.41

11+50.00

– LOOPD –
STA 10+91.80

0.009 0.009 0.010 0.010

2:1

1108.38

11+00.00

– LOOPD –
STA 10+41.80

SHEAR LINE

0.029 0.029 0.029 0.030 0.030

6:1

1111.15

10+50.00

SHEAR LINE SHEAR LINE

0.044

1106.71

10+15.19

BEGIN CONSTRUCTION B-5833 –RAMPD– STA 10+15.19

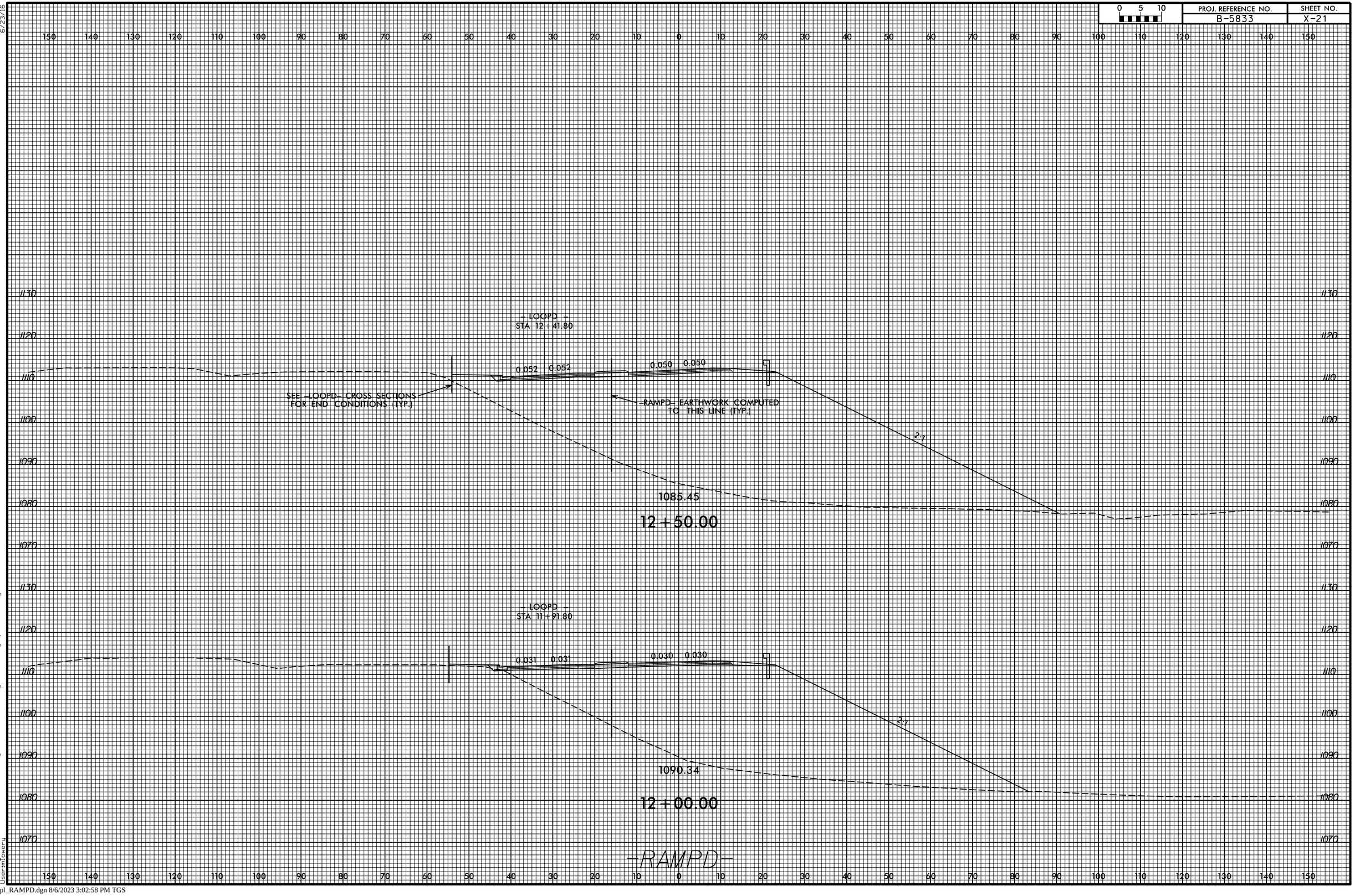
–RAMPD–

8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_RAMPD.dgn
User:mowery

b5833_rdy_xpl_RAMPD.dgn 8/6/2023 3:02:58 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-21

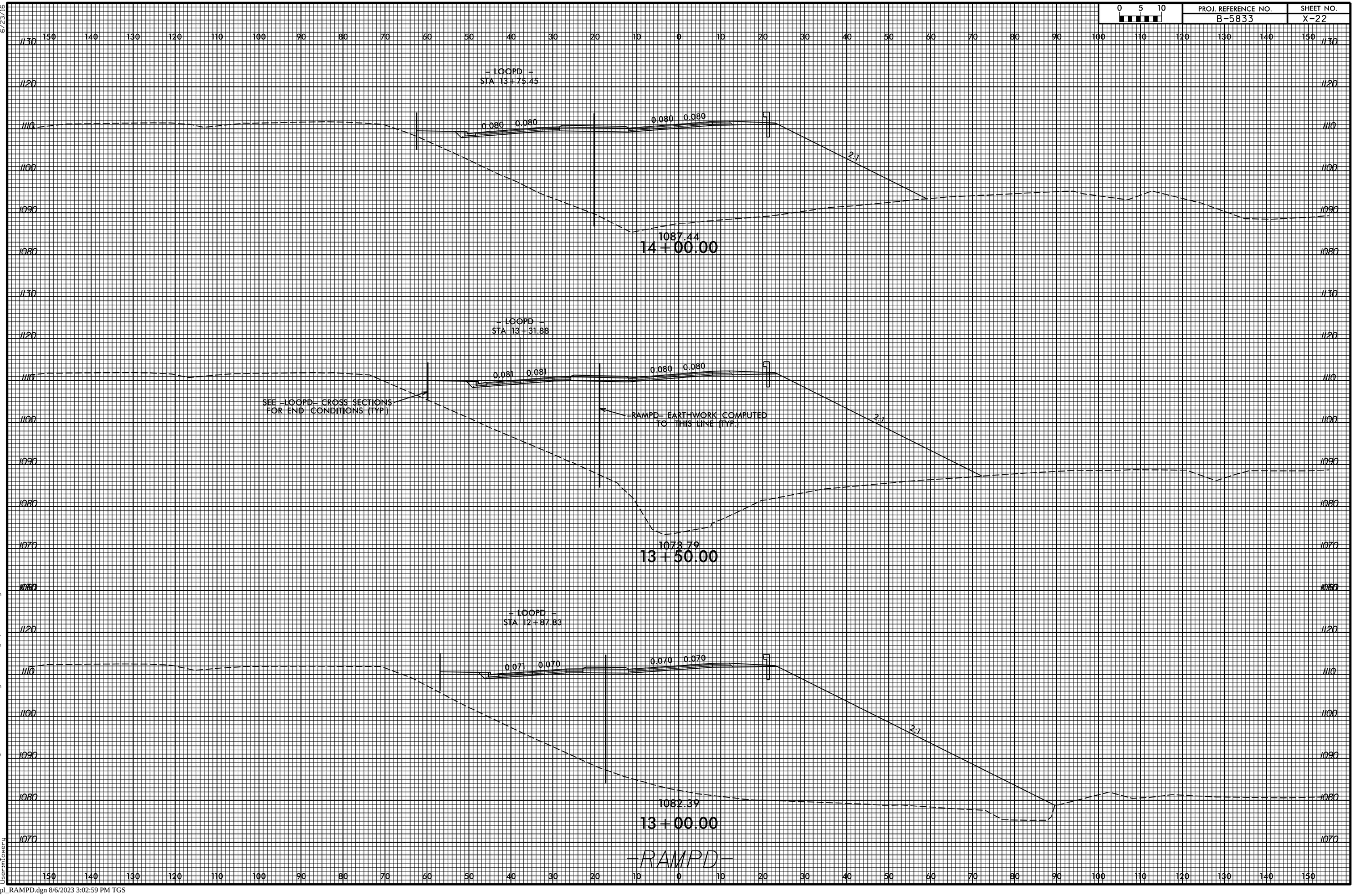


8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_RAMPD.dgn
User:mowery

b5833_rdy_xpl_RAMPD.dgn 8/6/2023 3:02:58 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-22



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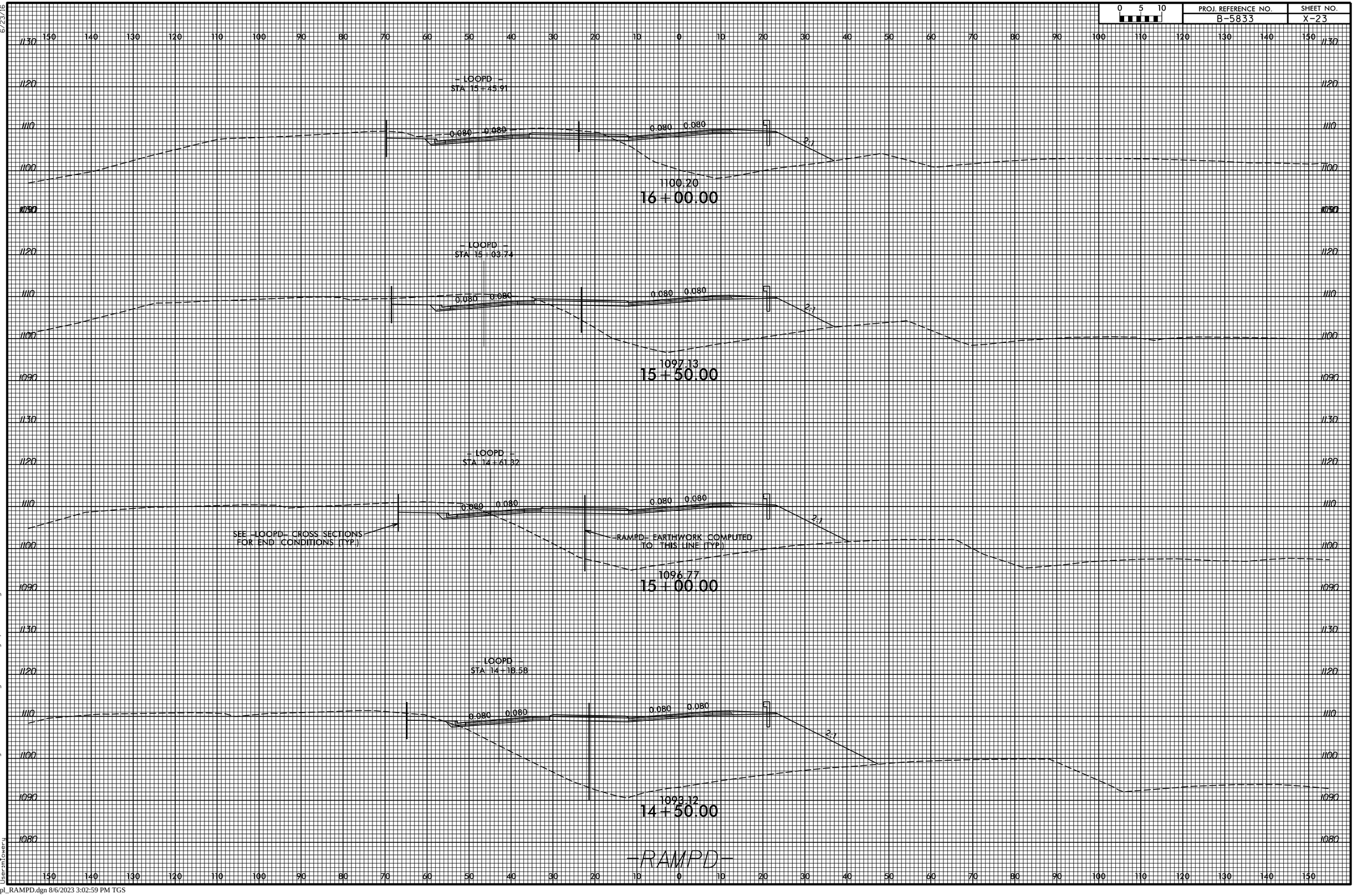
User:mowery

b5833_rdy_xpl_RAMPD.dgn 8/6/2023 3:02:59 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-23



8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_RAMPD.dgn
User:mowery

b5833_rdy_xpl_RAMPD.dgn 8/6/2023 3:02:59 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-24

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

1130 1120 1110 1100 1090

– LOOPD –
STA 17+37.91

0.074 0.074 4:1 4:1 0.016 0.016 7:1

1101.77 1107.12

18+00.00

– LOOPD –
STA 16+83.55

0.080 0.080 3:1 4:1 0.026 0.026 6:1

1104.01 1107.60

17+50.00

– LOOPD –
STA 16+32.78

SEE –LOOPD– CROSS SECTIONS FOR END CONDITIONS (TYP.)

–RAMPD– EARTHWORK COMPUTED TO THIS LINE (TYP.)

0.081 0.081 3:1 4:1 0.046 0.046 2:1

1105.25 1108.58

17+00.00

– LOOPD –
STA 15+87.91

0.080 0.080 3:1 4:1 0.066 0.066 2:1

1105.50 1107.59

16+50.00

–RAMPD–

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

8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_RAMPD.dgn
User:mowery

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-25

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

1130
1120
1110
1100
1090

EXISTING GRADE AND CROSS-SLOPE SHALL BE
MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1108.92

20 + 00.00

EXISTING GRADE AND CROSS-SLOPE SHALL BE
MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1107.99

19 + 50.00

EXISTING GRADE AND CROSS-SLOPE SHALL BE
MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1107.41

19 + 00.00

EXISTING GRADE AND CROSS-SLOPE SHALL BE
MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1107.17

18 + 50.00

-RAMP D-

3/2/2026
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_RAMPD.dgn
User:mowery

b5833_rdy_xpl_RAMPD.dgn 3/2/2026 12:00:18 PM TGS

EXISTING GRADE AND CROSS-SLOPE SHALL BE MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1114.68

22 + 00.00

EXISTING GRADE AND CROSS-SLOPE SHALL BE MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1113.26

21 + 50.00

EXISTING GRADE AND CROSS-SLOPE SHALL BE MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1111.74

21 + 00.00

EXISTING GRADE AND CROSS-SLOPE SHALL BE MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1110.25

20 + 50.00

-RAMP D-

6/23/16
3/2/2026
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_RAMPD.dgn
User:mowery
b5833_rdy_xpl_RAMPD.dgn 3/2/2026 12:00:49 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-27

END CONSTRUCTION B-5833 -RAMPD- STA 22+38.90

EXISTING GRADE AND CROSS-SLOPE SHALL BE MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1115.94

22+38.90

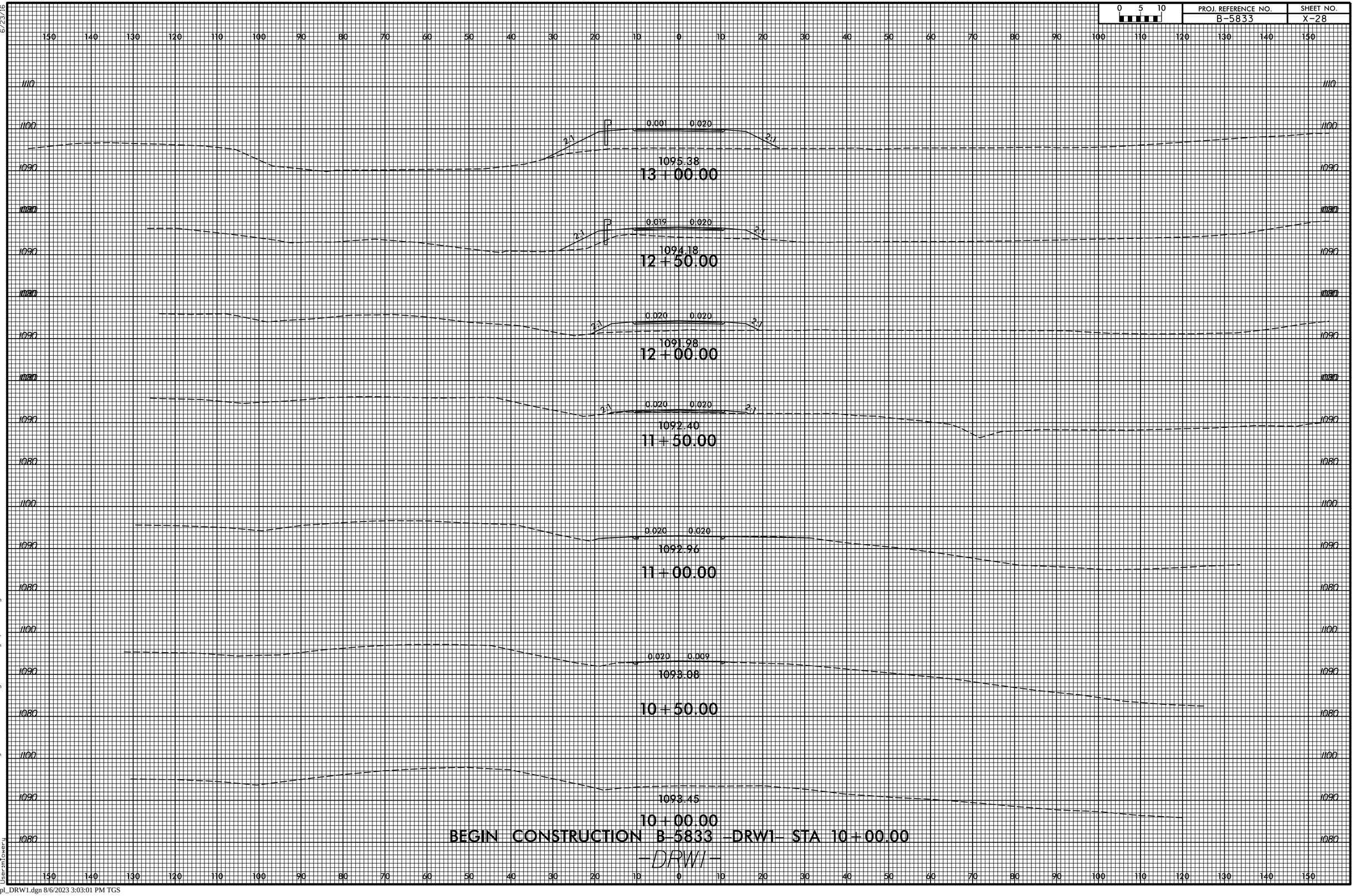
-RAMPD-

3/2/2026
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_RAMPD.dgn
User:mowery

b5833_rdy_xpl_RAMPD.dgn 3/2/2026 12:01:15 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-28



8/6/2023
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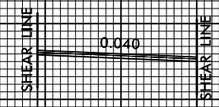
User:mower4

b5833_rdy_xpl_DRW1.dgn 8/6/2023 3:03:01 PM TGS

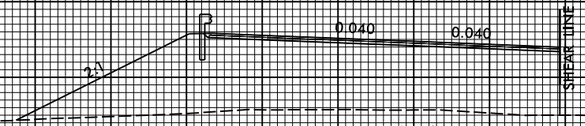
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-29

END CONSTRUCTION B-5833 -DRW1- STA 15+26.56



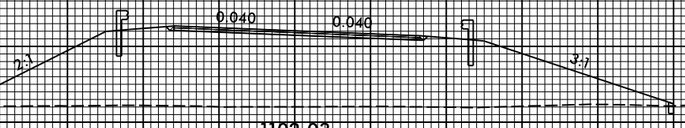
1105.74

15+26.56



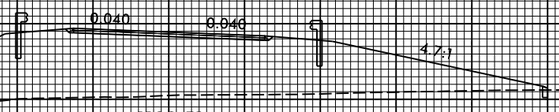
1105.69

15+00.00



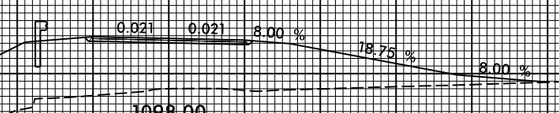
1102.03

14+50.00



1100.51

14+00.00



1098.00

13+50.00

-DRW1-

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-30

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

1130
1120
1110
1100
1090

– RAMPD –
STA 11+08.20

–LOOPD– EARTHWORK COMPUTED TO THIS LINE (TYP.)

4:1 6:1 0.005 0.005 0.007 0.007 2:1

1110.56 1111.67

11+00.00

– RAMPD –
STA 10+58.20

SHEAR LINE 0.025 0.025 0.025 0.027 0.027 5:1

1112.64

10+50.00

– RAMPD –
STA 10+23.47

SHEAR LINE 0.039 0.041 0.041 SHEAR LINE

1105.46

10+15.27

BEGIN CONSTRUCTION B-5833 –LOOPD– STA 10+15.27

–LOOPD–

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

8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_LOOPD.dgn
User:mowery

b5833_rdy_xpl_LOOPD.dgn 8/6/2023 3:03:01 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-31

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

1130 1120 1110 1100 1090 1080 1070

– RAMPD –
STA 12+59.73

–LOOPD– EARTHWORK COMPUTED TO THIS LINE (TYP.)

40:1 4:1 0.055 0.055 0.053 0.053 2:1

1098.01

12+50.00

– RAMPD –
STA 12+08.20

40:1 4:1 0.035 0.035 0.033 0.033 2:1

1104.54

12+00.00

– RAMPD –
STA 11+58.20

4:1 6:1 0.015 0.015 0.013 0.013 2:1

1109.56 1111.13

11+50.00

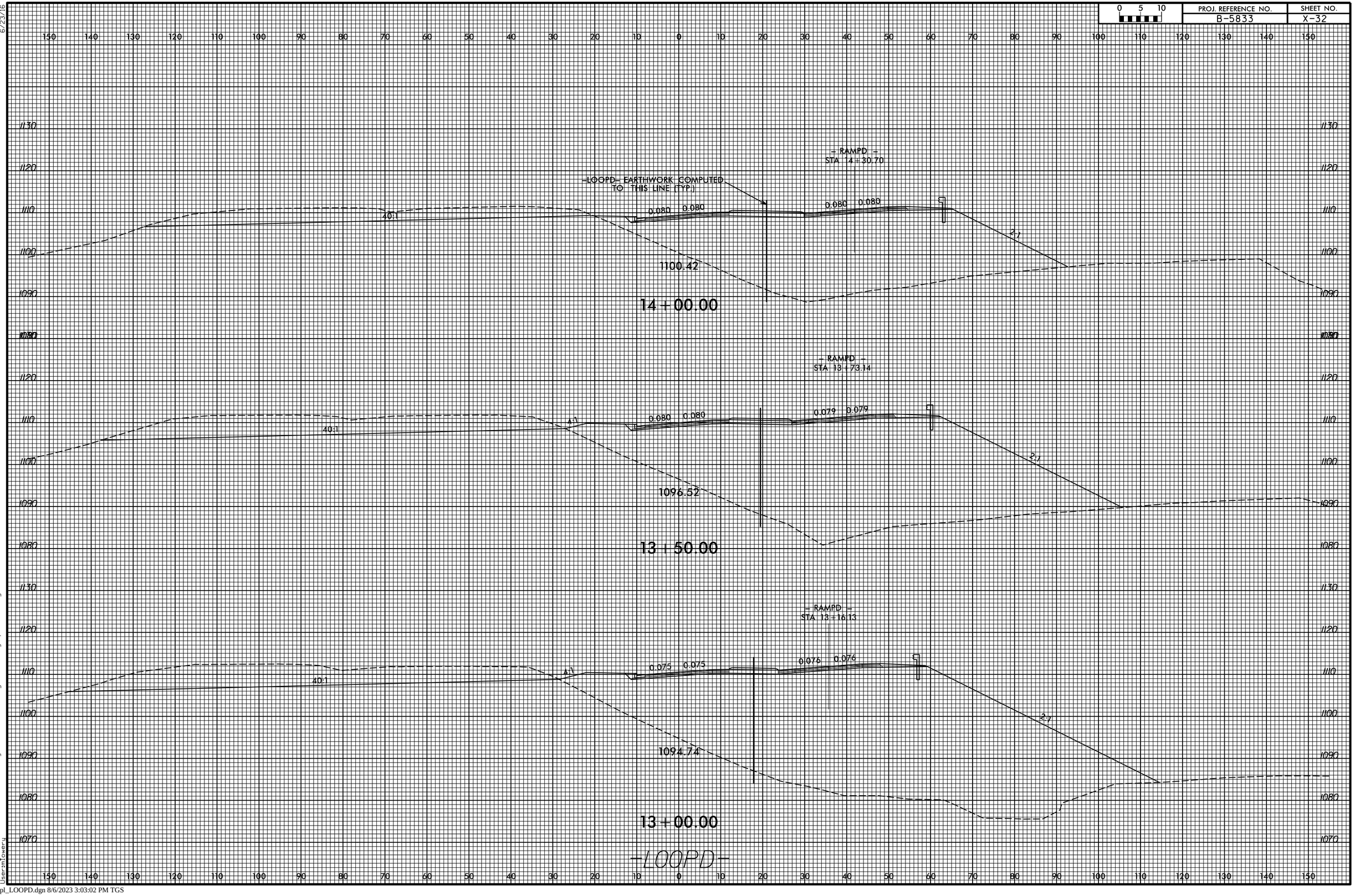
–LOOPD–

8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_LOOPD.dgn
User:mowery

b5833_rdy_xpl_LOOPD.dgn 8/6/2023 3:03:02 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-32



8/6/2023
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User:mowery

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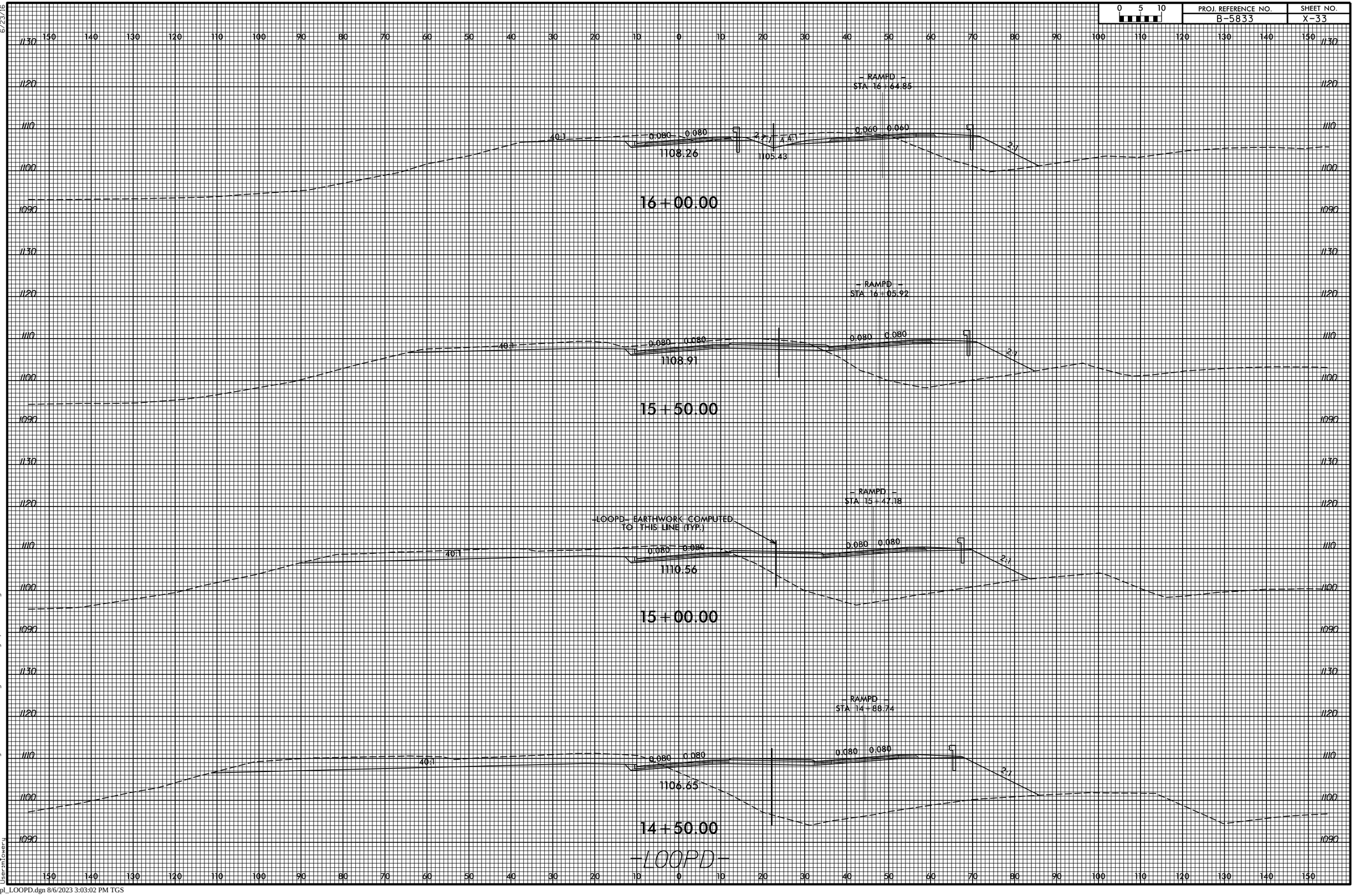
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-33



8/6/2023
c:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_LOOPD.dgn
User:mowery

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-34

EXISTING GRADE AND CROSS-SLOPE SHALL BE MAINTAINED WITH THE REMOVE/REPLACE OPERATION

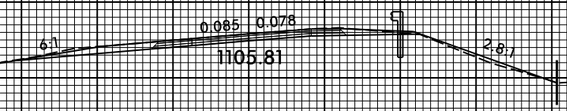
1104.13

18+50.00

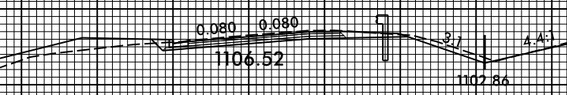
EXISTING GRADE AND CROSS-SLOPE SHALL BE MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1104.97

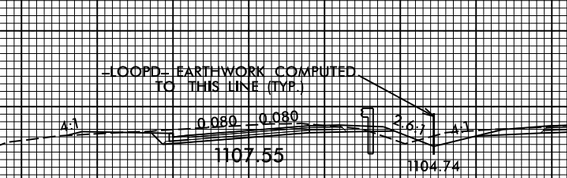
18+00.00



17+50.00



17+00.00



16+50.00

–LOOPD–

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-35

END CONSTRUCTION B-5833 -LOOPD- STA 19+51.35
EXISTING GRADE AND CROSS-SLOPE SHALL BE
MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1102.96

19+51.35

EXISTING GRADE AND CROSS-SLOPE SHALL BE
MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1103.49

19+00.00

-LOOPD-

3/2/2026
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_LOOPD.dgn
User:mowery

b5833_rdy_xpl_LOOPD.dgn 3/2/2026 11:59:13 AM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-36

1095.53
12+50.00

0.040
2:1
2:1
1092.85

1095.09
12+00.00

0.040
6:1

BEGIN CONSTRUCTION B-5833
-Y3- STA 11+93.37 RT

1094.75
11+50.00

1094.47
11+00.00

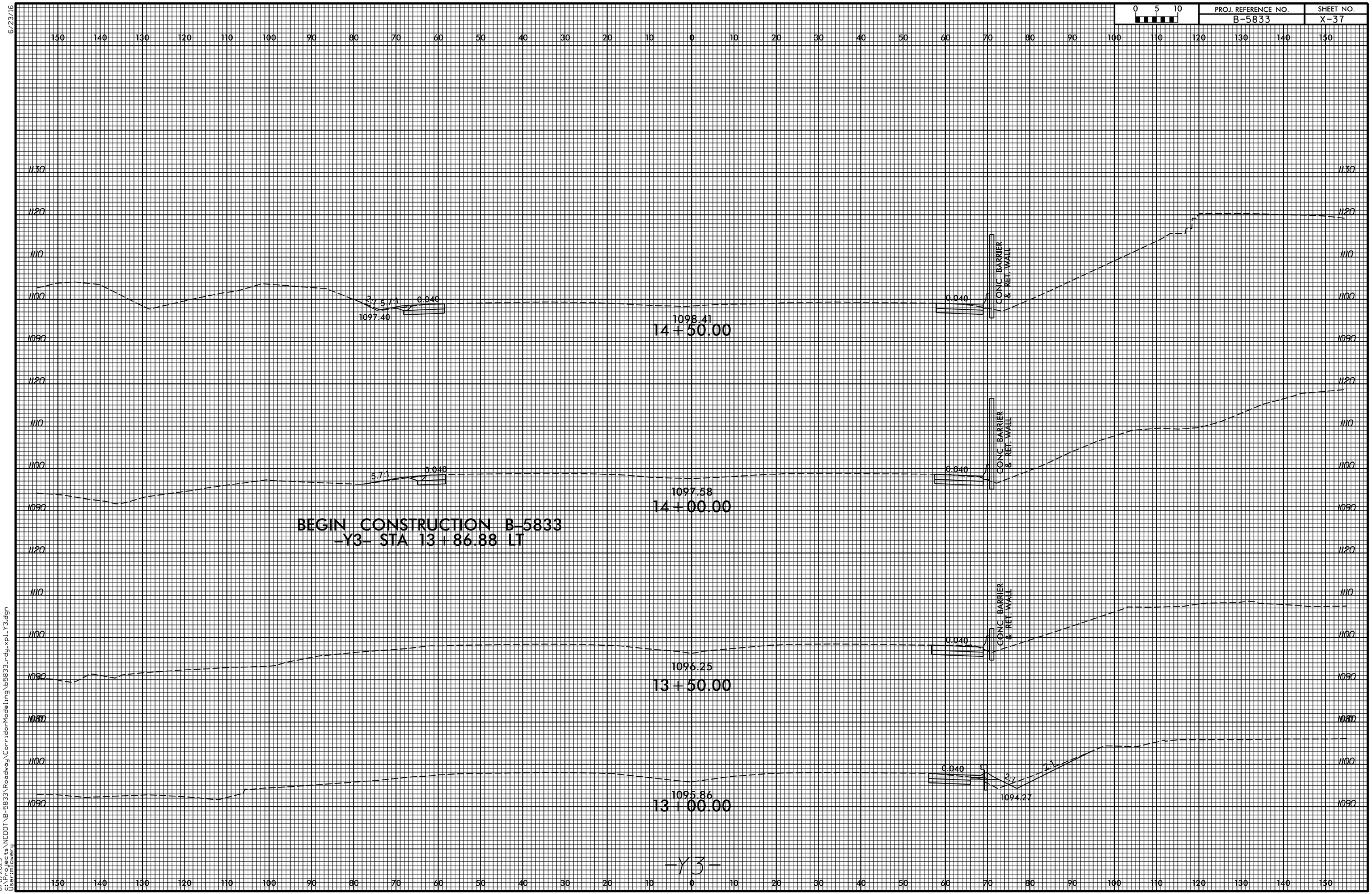
1094.13
10+50.00

10+00.00

-Y3-

8/6/2023
c:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_Y3.dgn
User:mowery

b5833_rdy_xpl_Y3.dgn 8/6/2023 3:03:03 PM TGS



6/23/16

8/6/2023
c:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_Y3.dgn
User:mlowery

b5833_rdy_xpl_Y3.dgn 8/6/2023 3:03:03 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-38

END CONSTRUCTION B-5833
-Y3- STA 16+75.99 RT

CONC. BARRIER & RET. WALL

0.040

1101.65
17+00.00

1100.79
16+50.00

5.67

1100.39
16+00.00

3:1

1099.40

1099.48
15+50.00

1099.13
15+00.00

2:1

5.71

1097.96

-Y3-

8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_Y3.dgn
User:mowery

b5833_rdy_xpl_Y3.dgn 8/6/2023 3:03:04 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-39

END CONSTRUCTION B-5833
-Y3- STA 19+08.35 LT

0.040

1105.90

19+00.00

8:1

0.040

1104.96

18+50.00

6:1

0.040

1103.90

18+00.00

2:1

3:1

0.040

1101.99

1102.95

17+50.00

-Y3-

3/2/2026
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_Y3.dgn
User:mowery

b5833_rdy_xpl_Y3.dgn 3/2/2026 12:37:44 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-40

1116.17
23+00.00

1114.16
22+50.00

1112.64
22+00.00

1112.21
21+50.00

1110.26
21+00.00

1109.11
20+50.00

1108.11
20+00.00

1106.97
19+50.00

-Y3-

8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_Y3.dgn
User:mowery

b5833_rdy_xpl_Y3.dgn 8/6/2023 3:03:04 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-41

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

1140
1130
1120
1110

1127.33
26+50.00

1126.16
26+00.00

1124.57
25+50.00

1122.66
25+00.00

1120.93
24+50.00

1119.17
24+00.00

1117.75
23+50.00

-Y3-

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

8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_Y3.dgn
User:mowery

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-42

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

1140

1130

1120

1128.69

27+00.00

-Y3-

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

8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_Y3.dgn
User:mowery

b5833_rdy_xpl_Y3.dgn 8/6/2023 3:03:05 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-43

– RAMPA –
STA 12+46.28

0.041 0.041 7.8:1 6:1 0.069 0.069 4:1

1119.18

12+00.00

– RAMPA –
STA 11+63.59

0.054 0.055 4:1 4:1 0.049 0.049 4:1

1120.90

1120.06

11+50.00

– RAMPA –
STA 11+00.67

SEE –RAMPA– CROSS SECTIONS FOR END CONDITIONS (TYP.)

–LOOPA– EARTHWORK COMPUTED TO THIS LINE (TYP.)

0.041 0.039 0.029 0.029 6:1 6:1

1121.04

1119.65

11+00.00

– RAMPA –
STA 10+48.44

0.019 0.019 0.019 0.009 0.009 6:1 6:1

1122.79

1121.43

10+50.00

SHEAR LINE

SHEAR LINE

0.005

1125.56

10+14.76

BEGIN CONSTRUCTION B-5833 –LOOPA– STA 10+14.76

–LOOPA–

8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_LOOPA.dgn
User:mowery

b5833_rdy_xpl_LOOPA.dgn 8/6/2023 3:03:05 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-44

END CONSTRUCTION B-5833 -LOOPA- STA 14+80.93
EXISTING GRADE AND CROSS-SLOPE SHALL BE
MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1111.72

14+80.93

0.063 0.063 7:1

1112.50

14+50.00

6:1 0.080 0.080 4:1

1113.74

14+00.00

6:1 0.080 0.080 4:1

1115.00

13+50.00

6:1 0.080 0.080

1116.19

13+00.00

6:1 0.080 0.080

1117.62

12+50.00

-LOOPA-

3/2/2026
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_LOOPA.dgn
User:mowery

b5833_rdy_xpl_LOOPA.dgn 3/2/2026 11:56:06 AM TGS

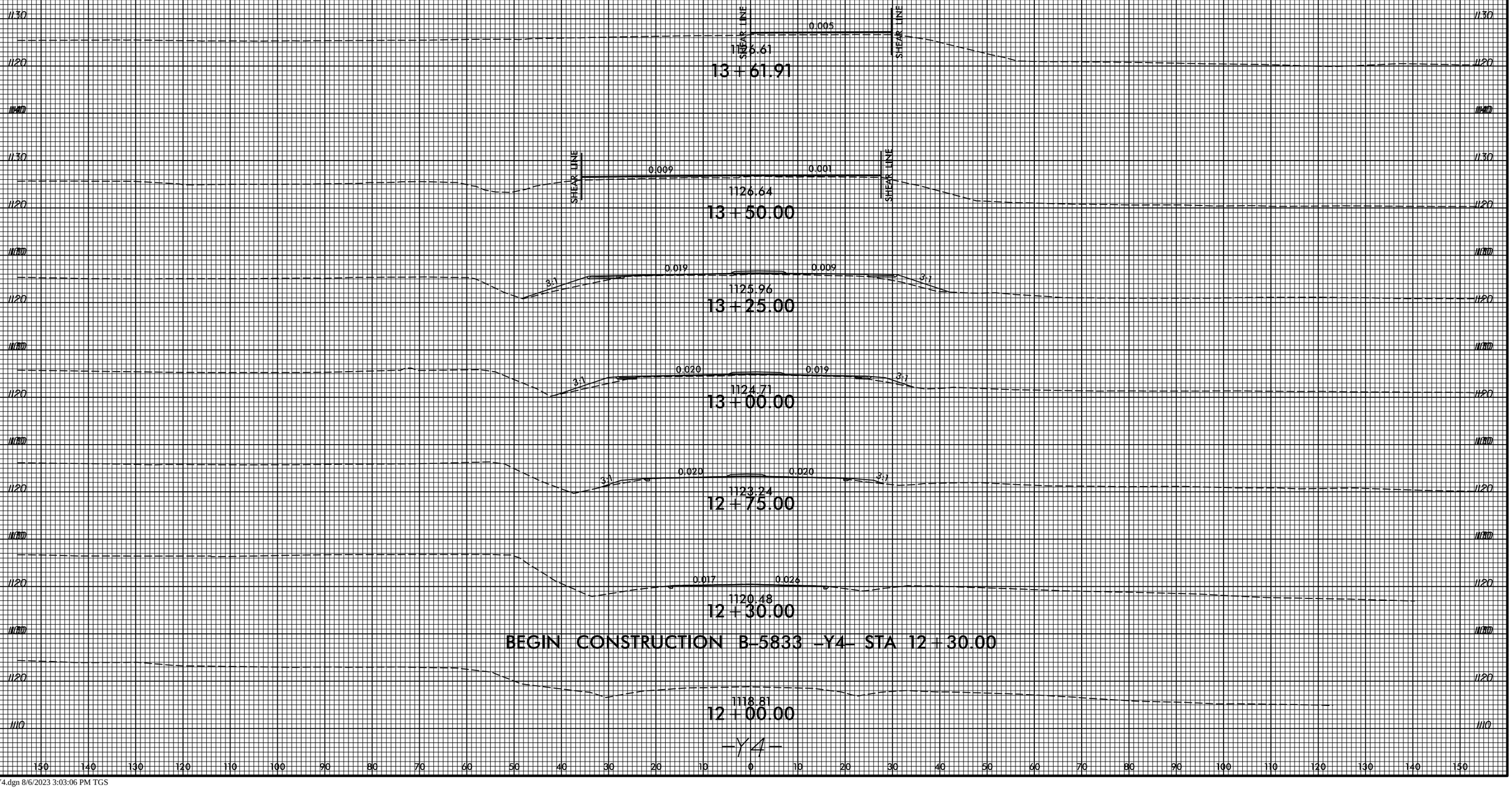
6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-45

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

1140 1130 1120 1110

END CONSTRUCTION B-5833 -Y4- STA 13+61.91



BEGIN CONSTRUCTION B-5833 -Y4- STA 12+30.00

1118.81
12+00.00

-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

8/6/2023
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User:mowery

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6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-46

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

1140 1130 1120 1110 1100

– LOOPA –
STA 11+59.65

0.057 0.057 4:1 4:1 0.060 0.063

6:1 40:1

1121.00 1120.98

11+50.00

1140 1130 1120 1110 1100

– LOOPA –
STA 11+04.30

0.038 0.038 0.034 0.036

5:1

1121.13

11+00.00

1140 1130 1120 1110 1100

– LOOPA –
STA 10+52.30

–RAMPA– EARTHWORK COMPUTED TO THIS LINE (TYP.)

SEE –LOOPA– CROSS SECTIONS FOR END CONDITIONS (TYP.)

0.019 0.019 0.019 0.010 0.010

6:1

1122.78

10+50.00

1140 1130 1120 1110

– LOOPA –
STA 10+16.33

SHEAR LINE SHEAR LINE

0.005 0.005 0.004

1125.14

10+14.77

BEGIN CONSTRUCTION B-5833 –RAMPA– STA 10+14.77

–RAMPA–

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

8/6/2023
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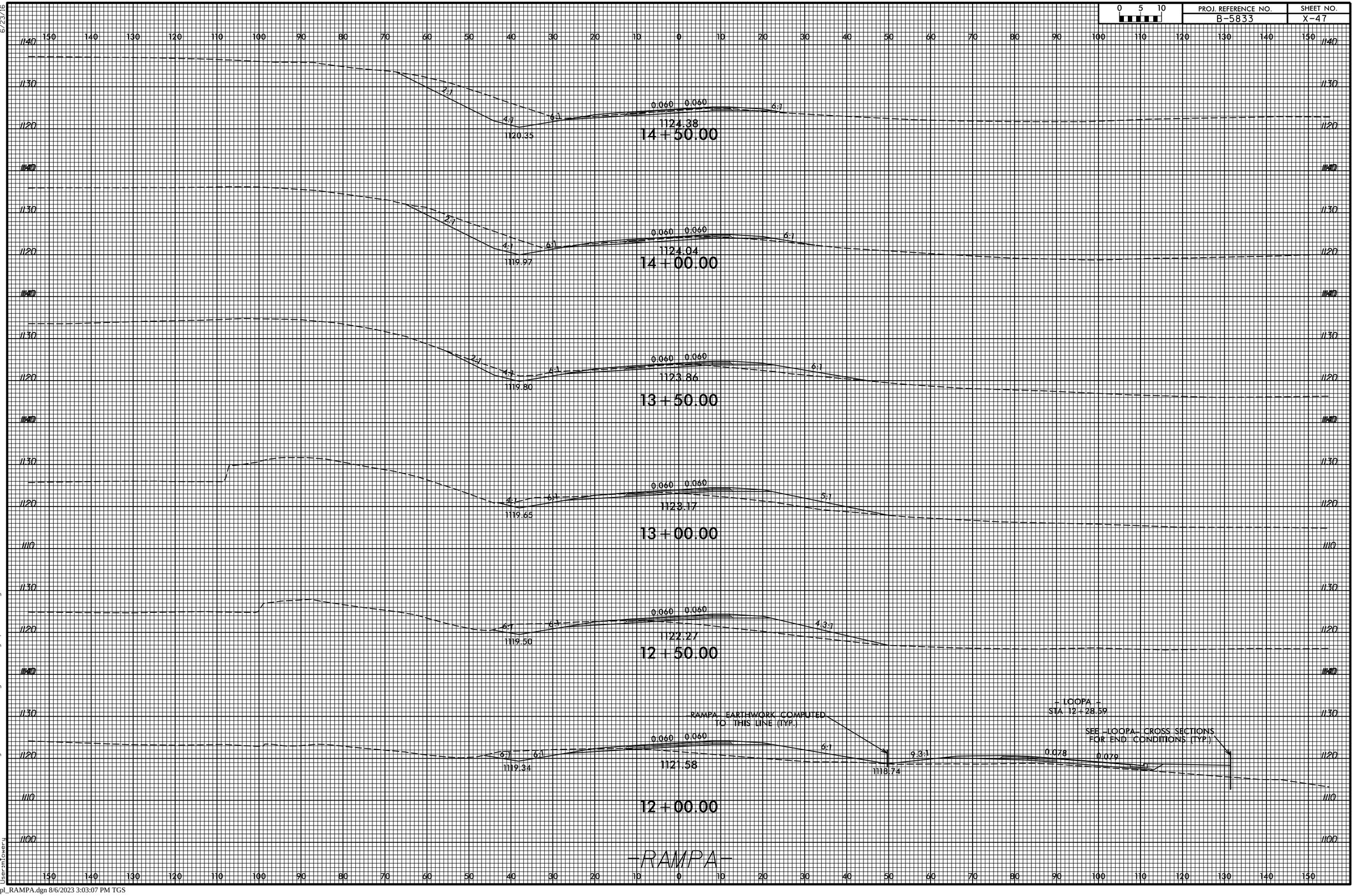
User:mowery

b5833_rdy_xpl_RAMPA.dgn 8/6/2023 3:03:06 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-47



8/6/2023
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b5833_rdy_xpl_RAMPA.dgn 8/6/2023 3:03:07 PM TGS

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-48

END CONSTRUCTION B-5833 -RAMPA- STA 16+80.42
EXISTING GRADE AND CROSS-SLOPE SHALL BE
MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1129.88
16+80.42

EXISTING GRADE AND CROSS-SLOPE SHALL BE
MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1129.00
16+50.00

EXISTING GRADE AND CROSS-SLOPE SHALL BE
MAINTAINED WITH THE REMOVE/REPLACE OPERATION

1127.49
16+00.00

5:1 0.071 0.070 6.2:1

1126.21
15+50.00

4:1 6:1 0.060 0.060 6:1

1120.97

1125.08
15+00.00

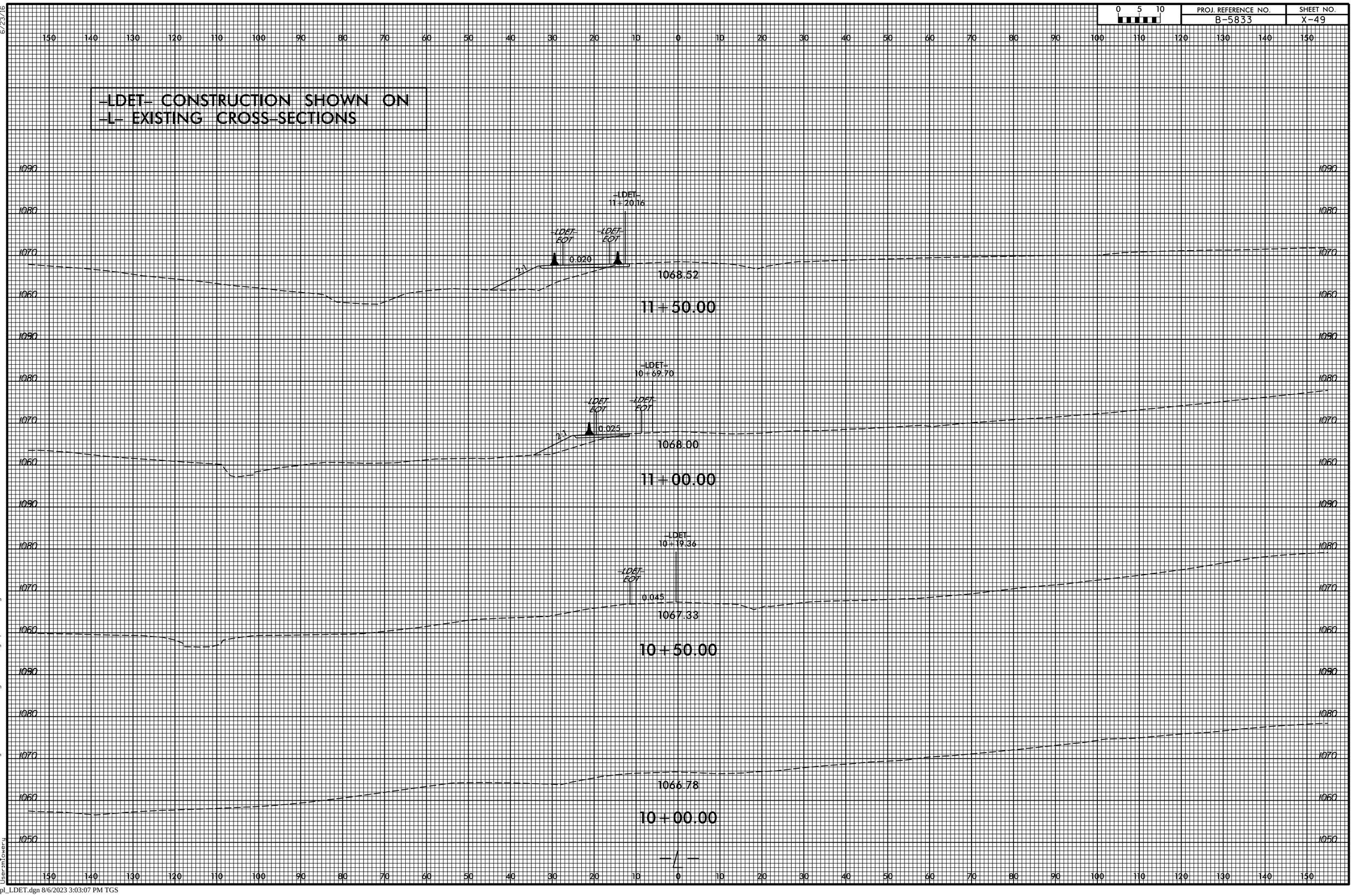
-RAMPA-

3/2/2026
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_RAMPA.dgn
User:mowery

b5833_rdy_xpl_RAMPA.dgn 3/2/2026 11:57:25 AM TGS

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-49

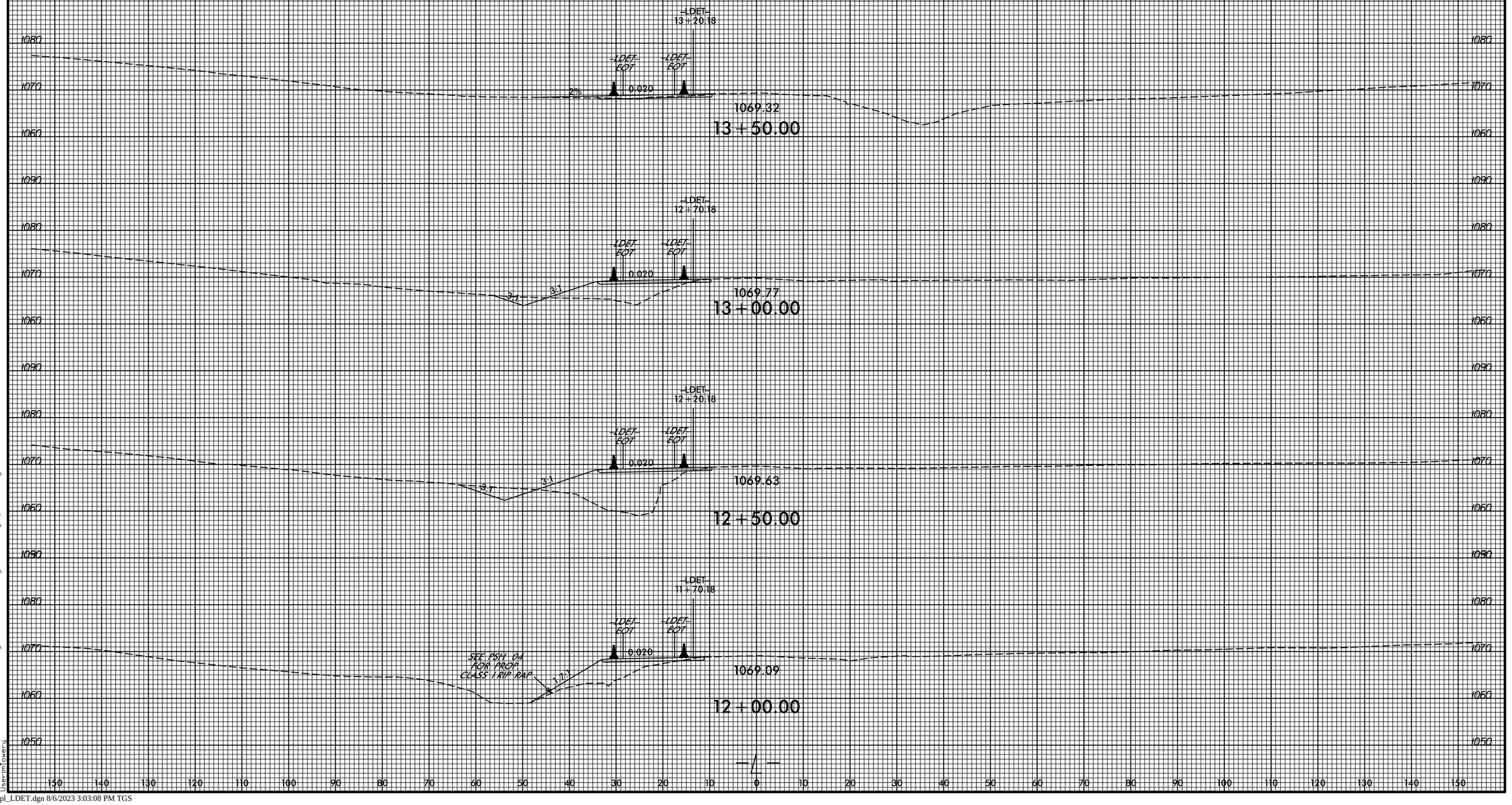
–LDET– CONSTRUCTION SHOWN ON
–L– EXISTING CROSS-SECTIONS



6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-50

–LDET– CONSTRUCTION SHOWN ON –L– EXISTING CROSS-SECTIONS



8/6/2023
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User:mowery

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-5833	X-51

–LDET– CONSTRUCTION SHOWN ON
–L– EXISTING CROSS-SECTIONS

1070.91
15+50.00

–LDET–
14+70.99
–LDET–
EOT
1069.75
15+00.00

–LDET–
14+20.56
–LDET–
EOT
–LDET–
EOT
0.020
2:1
3:1
1069.11
14+50.00

–LDET–
13+70.19
–LDET–
EOT
–LDET–
EOT
0.020
2:1
3:1
1068.97
14+00.00

8/6/2023
C:\Projects\NCDOT\B-5833\Roadway\CorridorModeling\b5833_rdy_xpl_LDET.dgn
User:mowery