

U-2579BA
CROSS SECTION INDEX

-Y4- US 421/1-40 BUS/NC 150
-SMITH CREEK-

X-1 THRU X-43
X-44 THRU X-61

**STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS**

PROJ. REFERENCE NO.

SHEET NO.

U-2579BA

X-1A

Quantities are approximate only. The Resident Engineer will recross-section the work accurately when the project is staked out. These cross-section notes will be used in computing the final quantities for which the contractor will be paid.

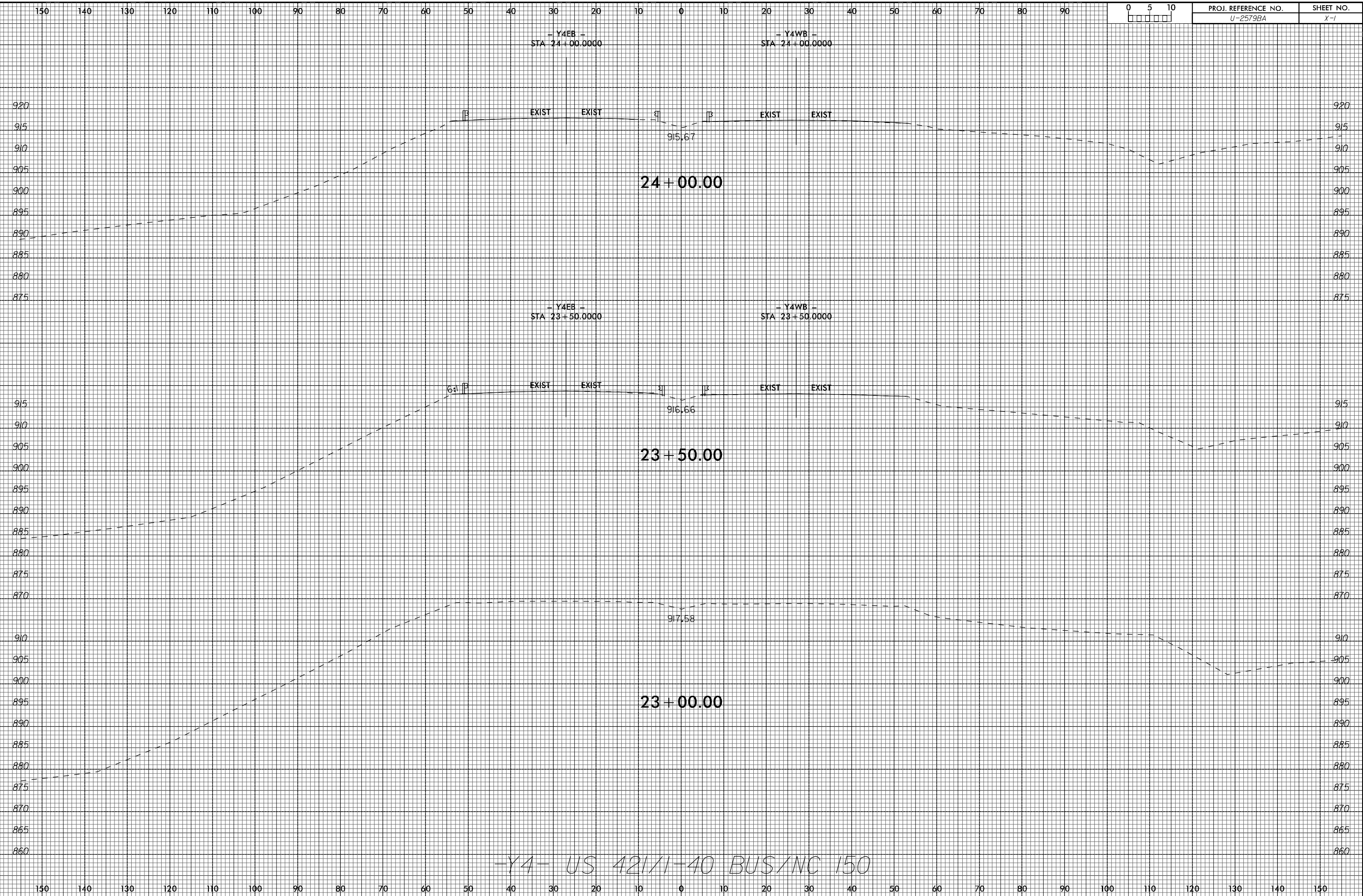
NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

CROSS-SECTION SUMMARY

Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt						
Y4WB (MED)	(cu. yd.)	(cu. yd.)	Y4WB (MED)	(cu. yd.)	(cu. yd.)	Y4WB (RT)	(cu. yd.)	(cu. yd.)	Y4WB (RT)	(cu. yd.)	(cu. yd.)						
23+50.00	0	0	49+00.00	0	0	23+50.00	0	0	49+00.00	80	20						
24+00.00	0	0	49+50.00	1	0	24+00.00	0	0	49+50.00	113	0						
24+50.00	0	0	50+00.00	0	0	24+50.00	0	0	50+00.00	79	8						
25+00.00	0	0	50+50.00	0	0	25+00.00	0	0	50+50.00	33	82						
25+50.00	0	0	51+00.00	0	0	25+50.00	0	0	51+00.00	23	195						
26+00.00	0	0	51+50.00	0	0	26+00.00	0	0	51+50.00	22	285						
26+50.00	0	0	52+00.00	0	0	26+50.00	0	0	52+00.00	22	242						
26+65.00	0	0	52+50.00	0	0	26+65.00	0	0	52+50.00	21	163						
27+00.00	0	0	53+00.00	0	0	27+00.00	514	0	53+00.00	22	290						
27+50.00	0	0	53+50.00	0	0	27+50.00	689	0	53+50.00	23	354						
28+00.00	0	0	54+00.00	0	0	28+00.00	653	0	54+00.00	21	290						
28+50.00	0	0	54+50.00	0	0	28+50.00	647	0	54+50.00	21	463						
29+00.00	0	0	55+00.00	0	0	29+00.00	622	0	55+00.00	23	595						
29+50.00	0	0	55+50.00	0	0	29+50.00	611	0	55+50.00	23	429						
30+00.00	0	0	56+00.00	0	0	30+00.00	592	0	56+00.00	22	262						
30+50.00	0	0	56+50.00	0	0	30+50.00	521	0	56+50.00	24	235						
31+00.00	0	0	57+00.00	0	0	31+00.00	452	0	57+00.00	24	244						
31+50.00	0	0	57+50.00	0	0	31+50.00	343	0	57+50.00	25	328						
32+00.00	0	0	58+00.00	0	0	32+00.00	179	3	58+00.00	104	479						
32+50.00	0	0	58+50.00	0	0	32+50.00	43	47	58+50.00	206	550						
33+00.00	0	0	59+00.00	0	0	33+00.00	13	73	59+00.00	280	561						
33+50.00	0	0	59+50.00	1	0	33+50.00	81	28	59+50.00	351	559						
34+00.00	0	0	60+00.00	1	0	34+00.00	292	0	60+00.00	393	617						
34+50.00	0	0	60+50.00	0	0	34+50.00	535	0	60+50.00	442	738						
35+00.00	0	0	61+00.00	0	0	35+00.00	666	0	61+00.00	495	807						
35+50.00	0	0	61+50.00	1	0	35+50.00	726	0	61+50.00	579	804						
36+00.00	0	0	62+00.00	1	0	36+00.00	712	0	62+00.00	653	845						
36+50.00	0	0	62+50.00	1	0	36+50.00	629	0	62+50.00	678	929						
37+00.00	2	0	63+00.00	2	0	37+00.00	617	0	63+00.00	692	1026						
37+50.00	1	0	63+50.00	1	0	37+50.00	635	0	63+50.00	662	1240						
38+00.00	2	0	64+00.00	0	0	38+00.00	555	0	64+00.00	667	1419						
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48+00.00	0	0	74+50.00	0	0	48+00.00	43	70	74+50.00	0	0						
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8/23/99

1/22/2020

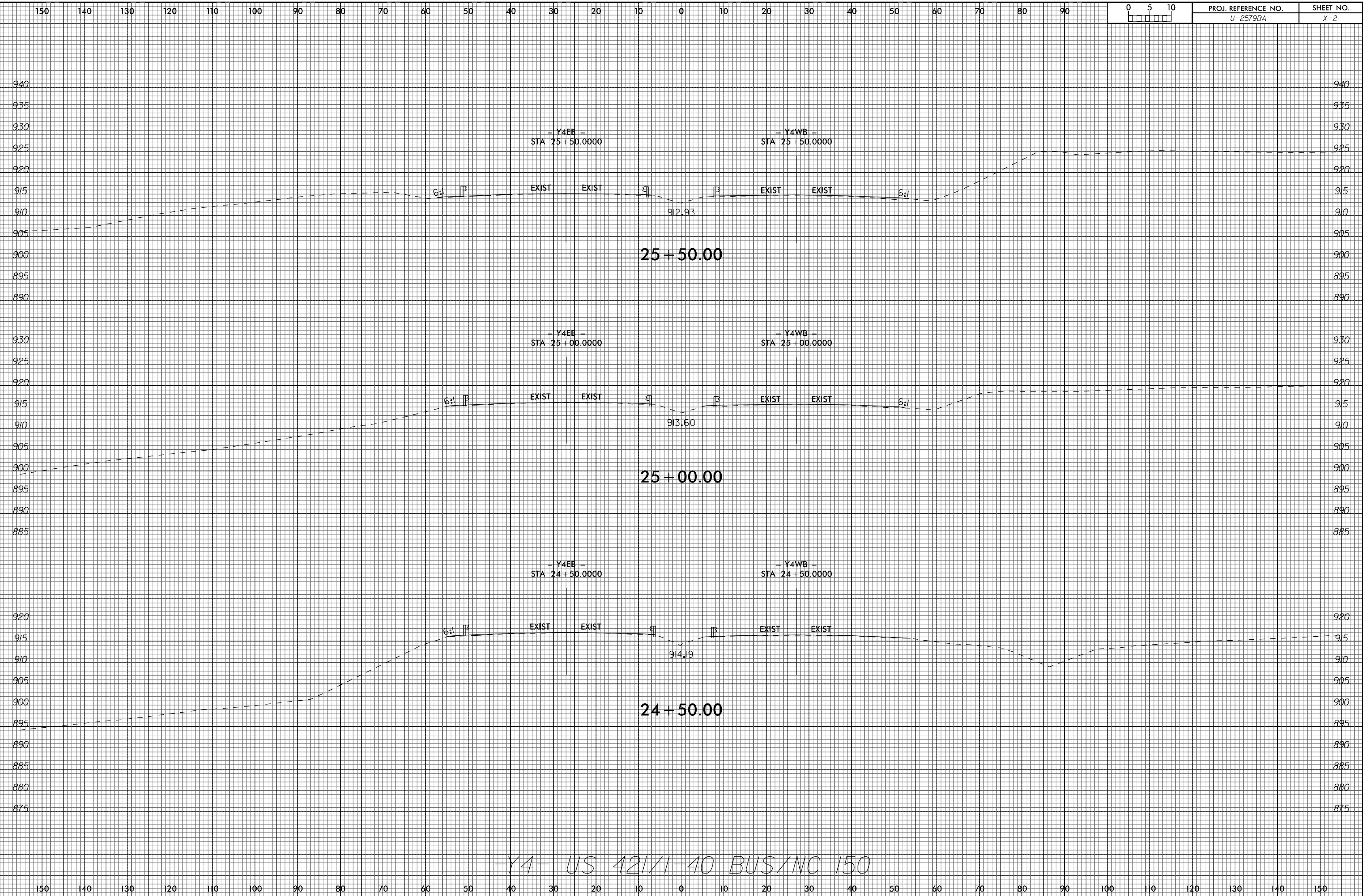


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-Y4- US 421/1-40 BUS/NC 150

8/23/99

1/22/2020



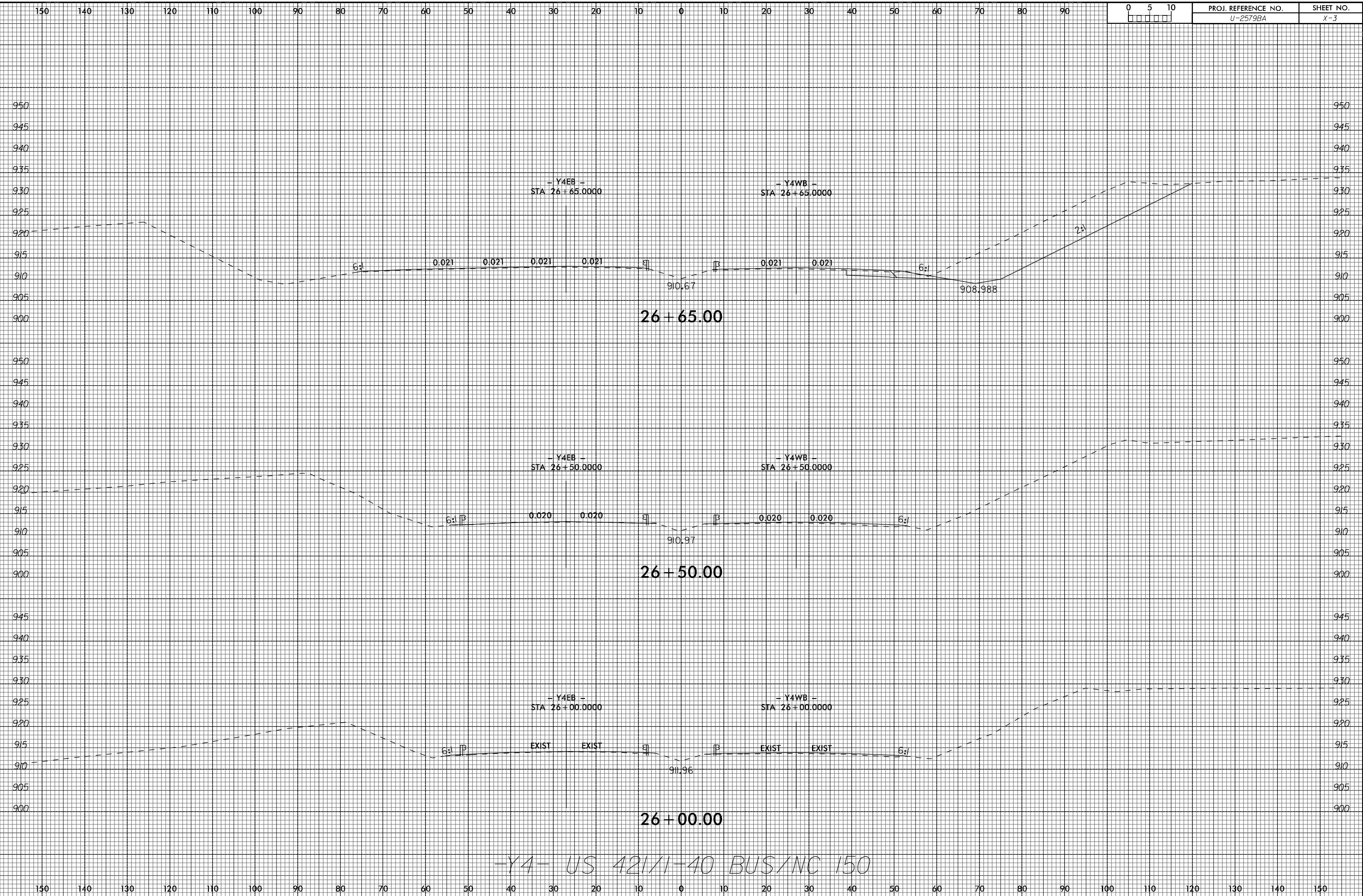
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-Y4- US 421/11-40 BUS/NC 150

8/23/99

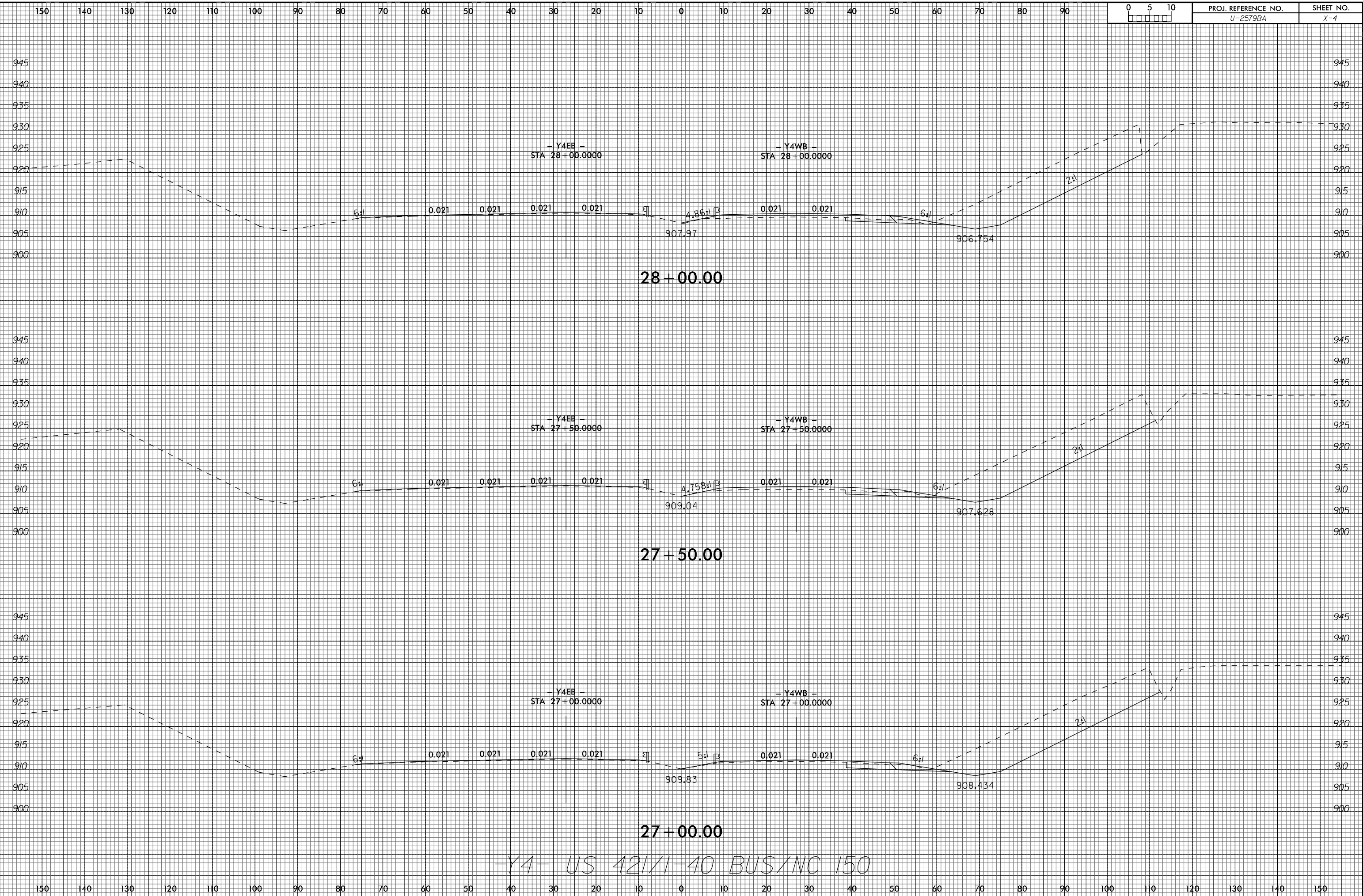
1/22/2020



-Y4- US 421/1-40 BUS/NC 150

8/23/99

1/22/2020

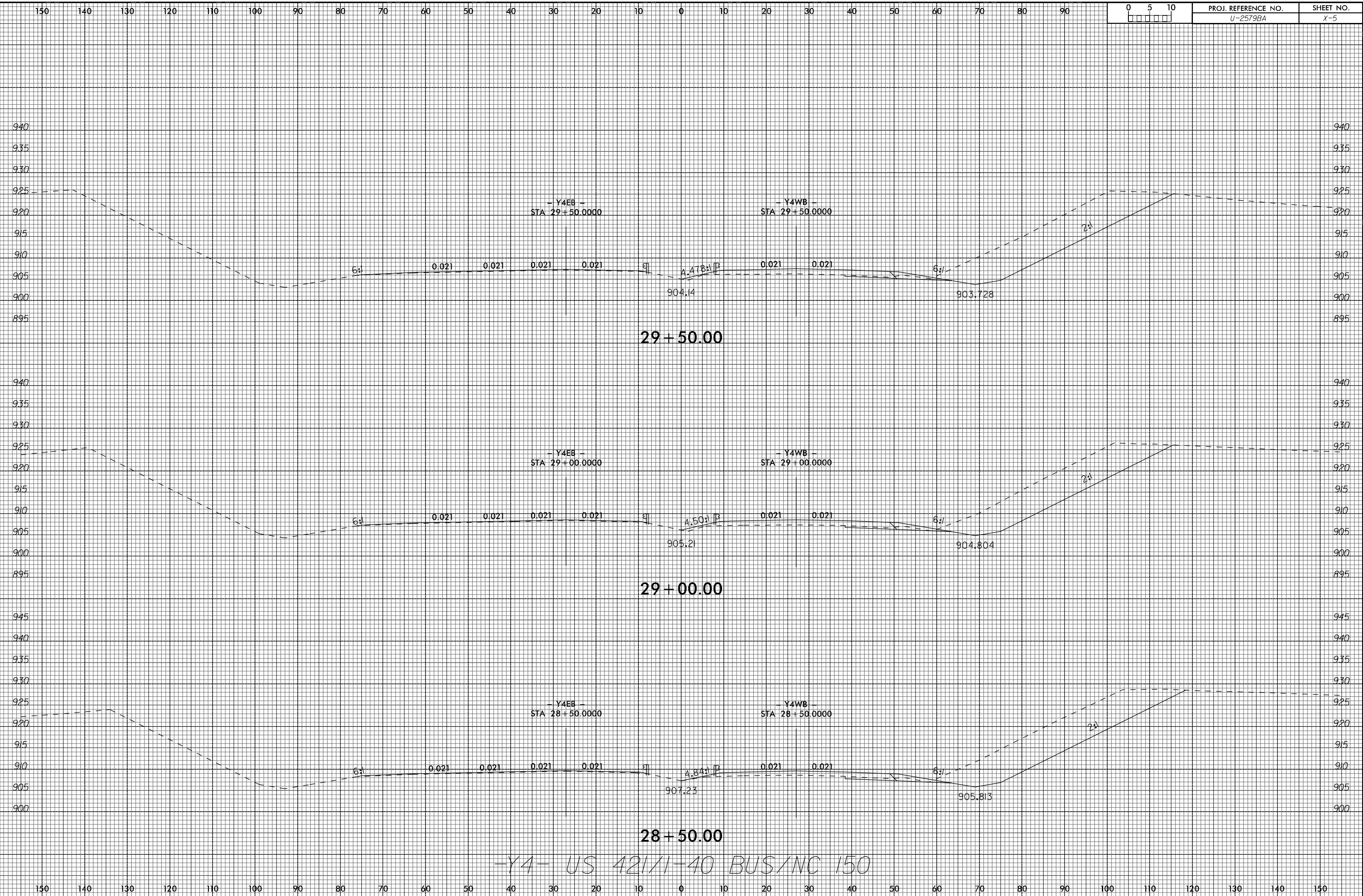


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-Y4- US 421/1-40 BUS/NC 150

8/23/99

1/22/2020

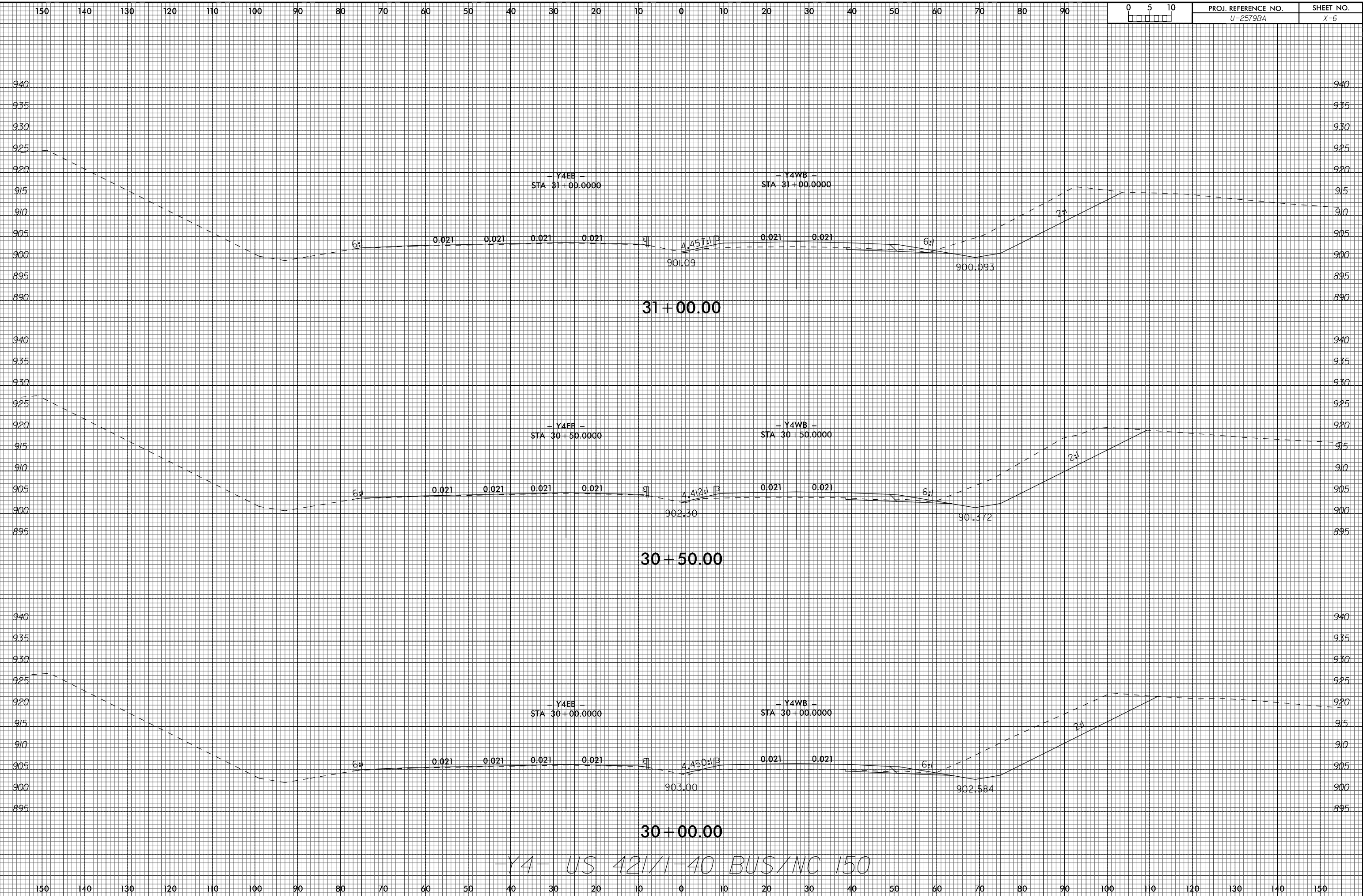


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-Y4- US 421/1-40 BUS/NC 150

8/23/99

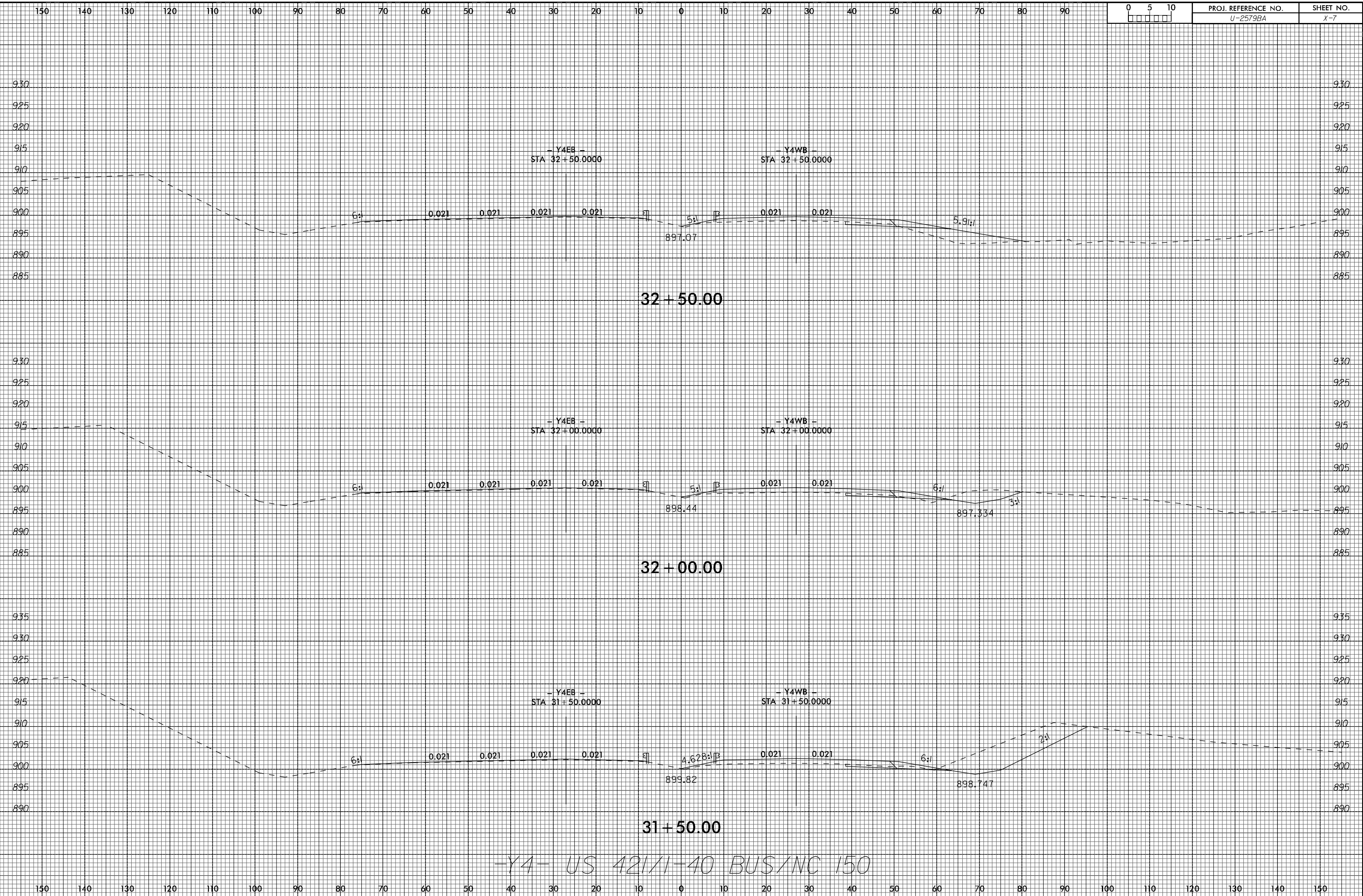
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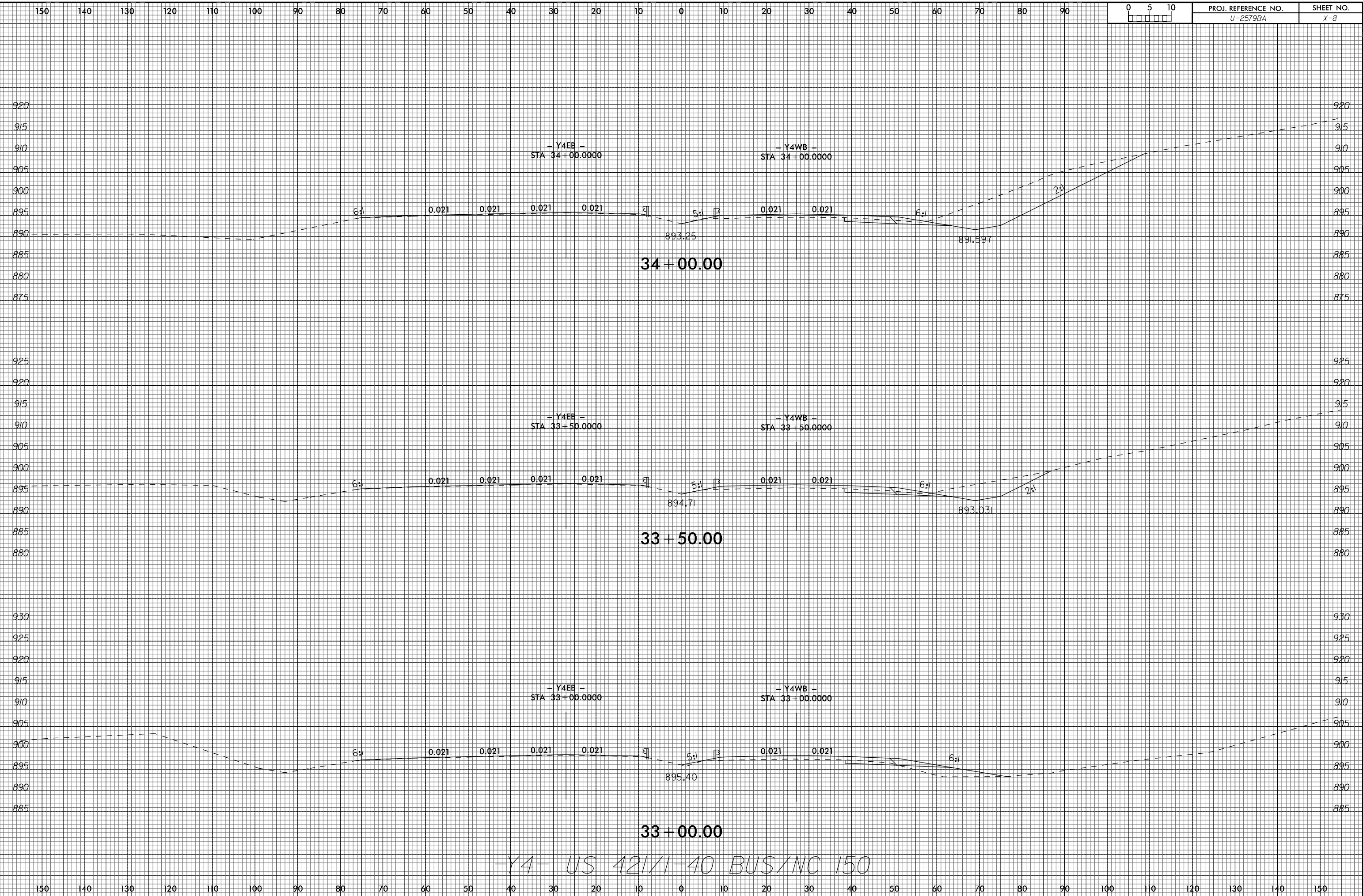


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-Y4- US 421/1-40 BUS/NC 150

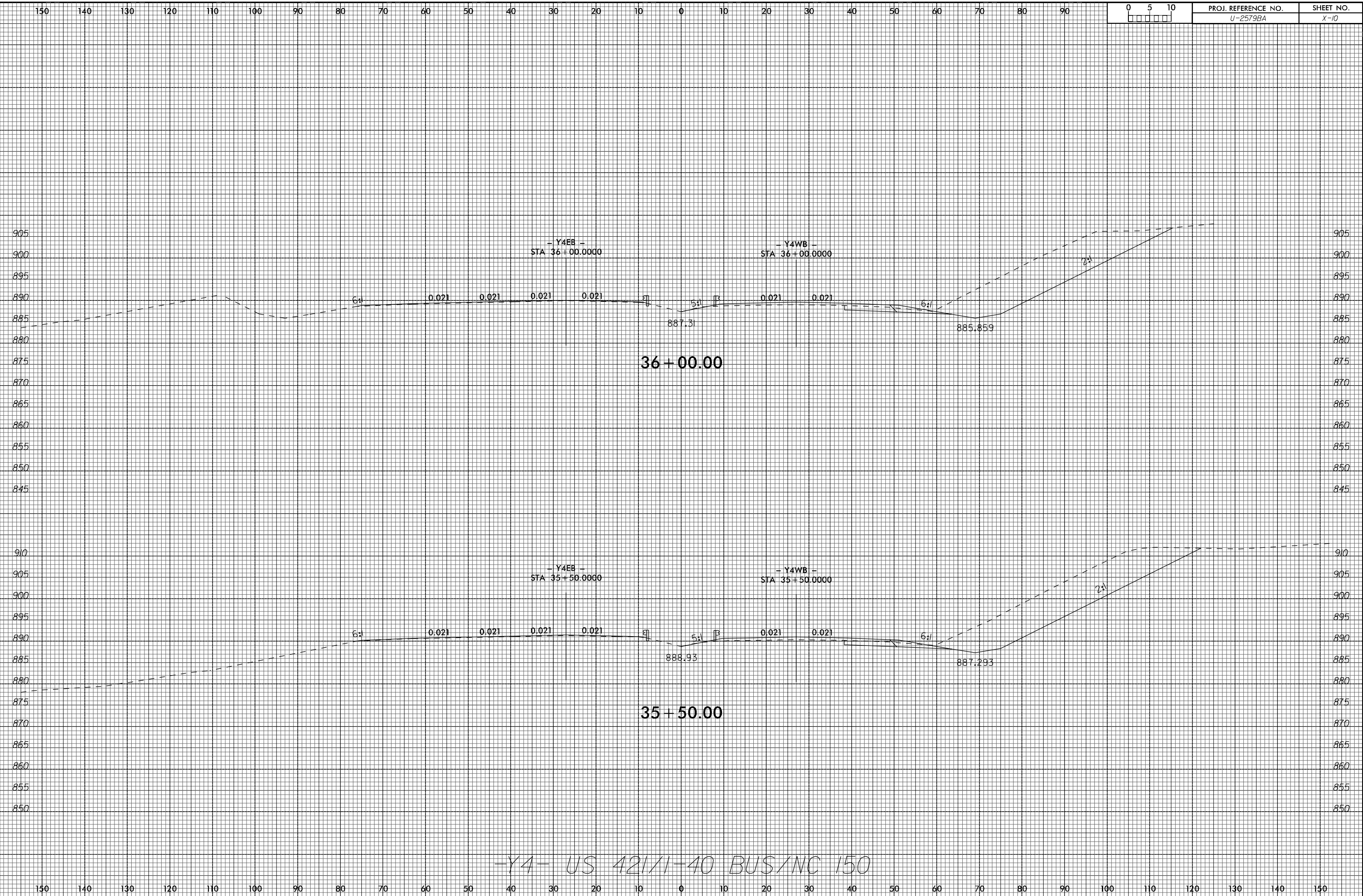
8/23/99

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-Y4- US 421/1-40 BUS/NC 150

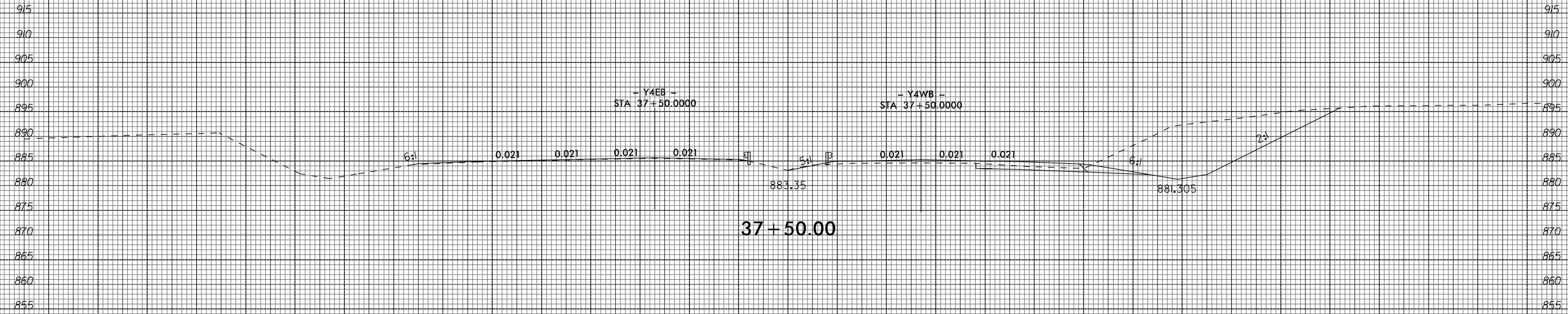
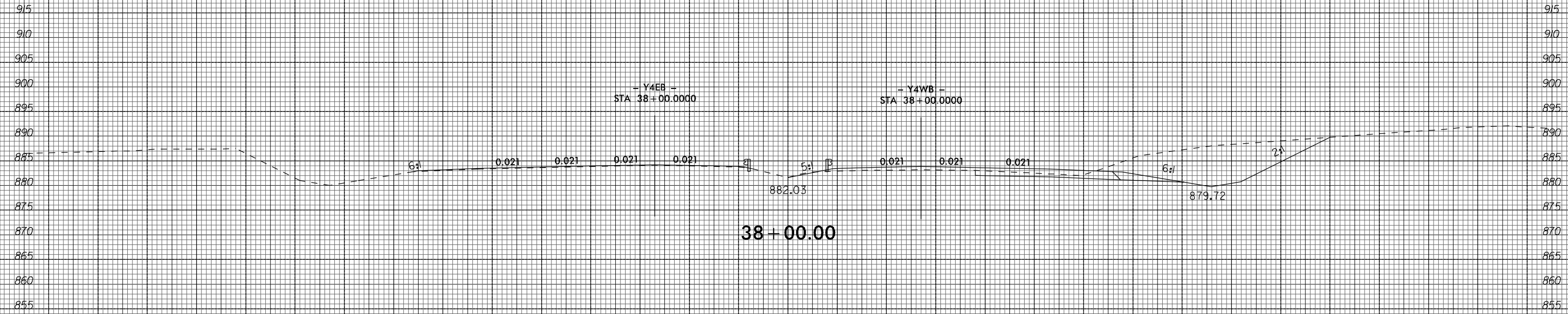
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PROJ. REFERENCE NO.
U-2579BA
SHEET NO.
X-12



-Y4- US 421/1-40 BUS/NC 150

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8/23/99

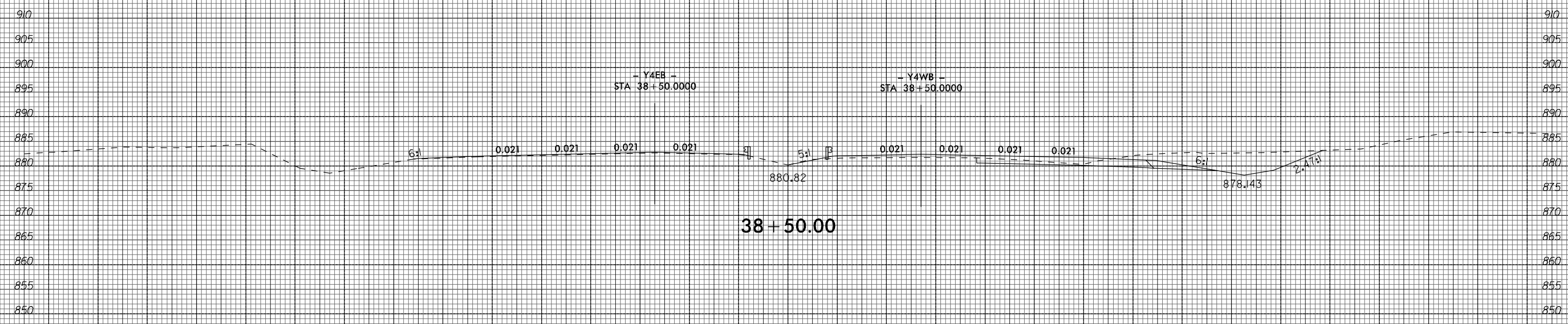
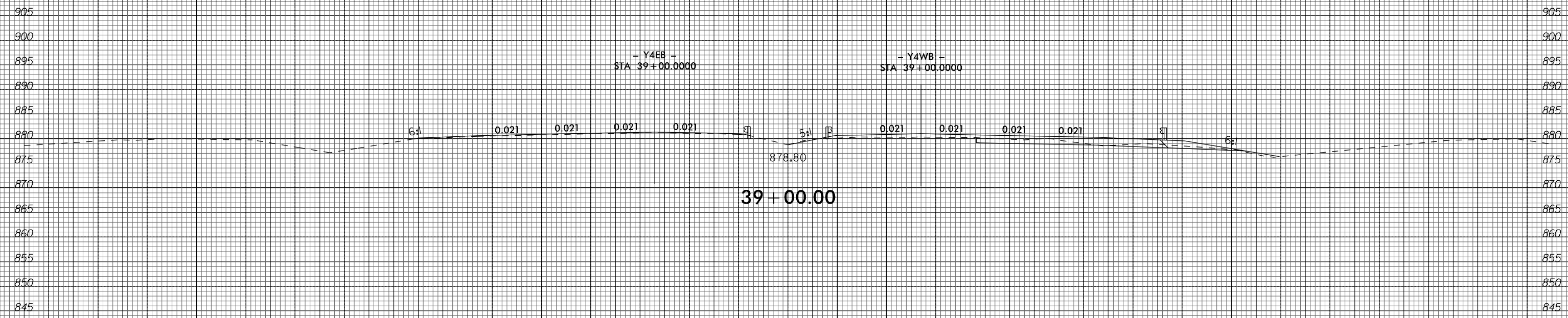
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PROJ. REFERENCE NO.
U-2579BA

SHEET NO.
X-13



-Y4- US 421/1-40 BUS/NC 150

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8/23/99

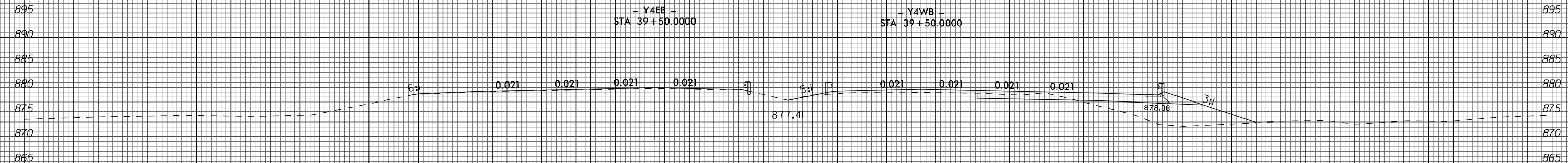
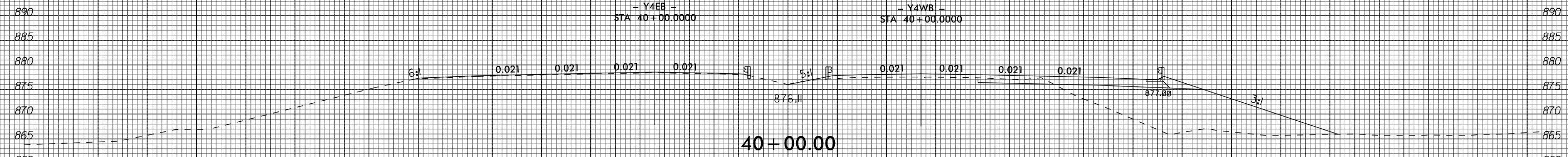
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U-2579BA

SHEET NO.
X-14

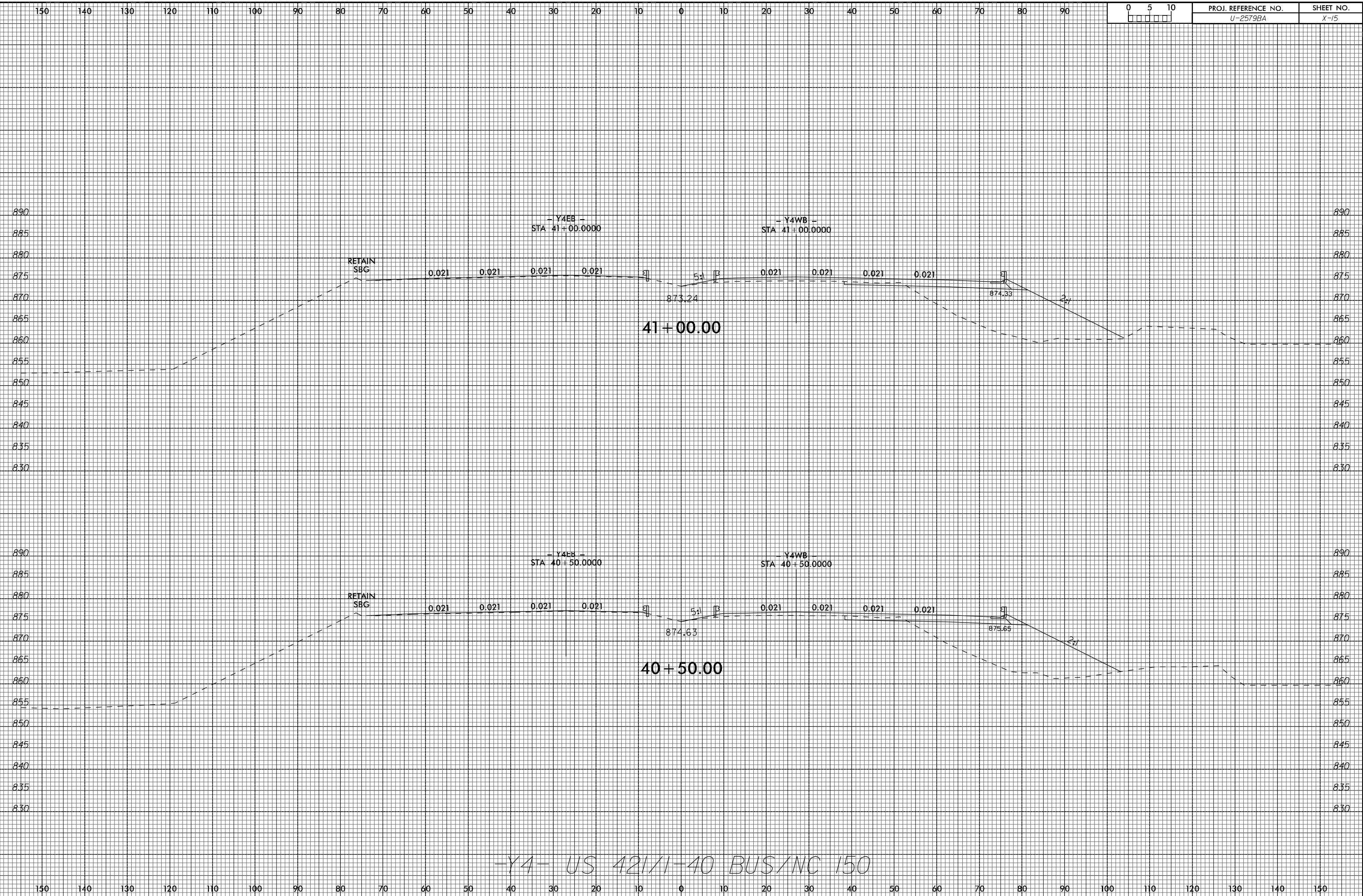


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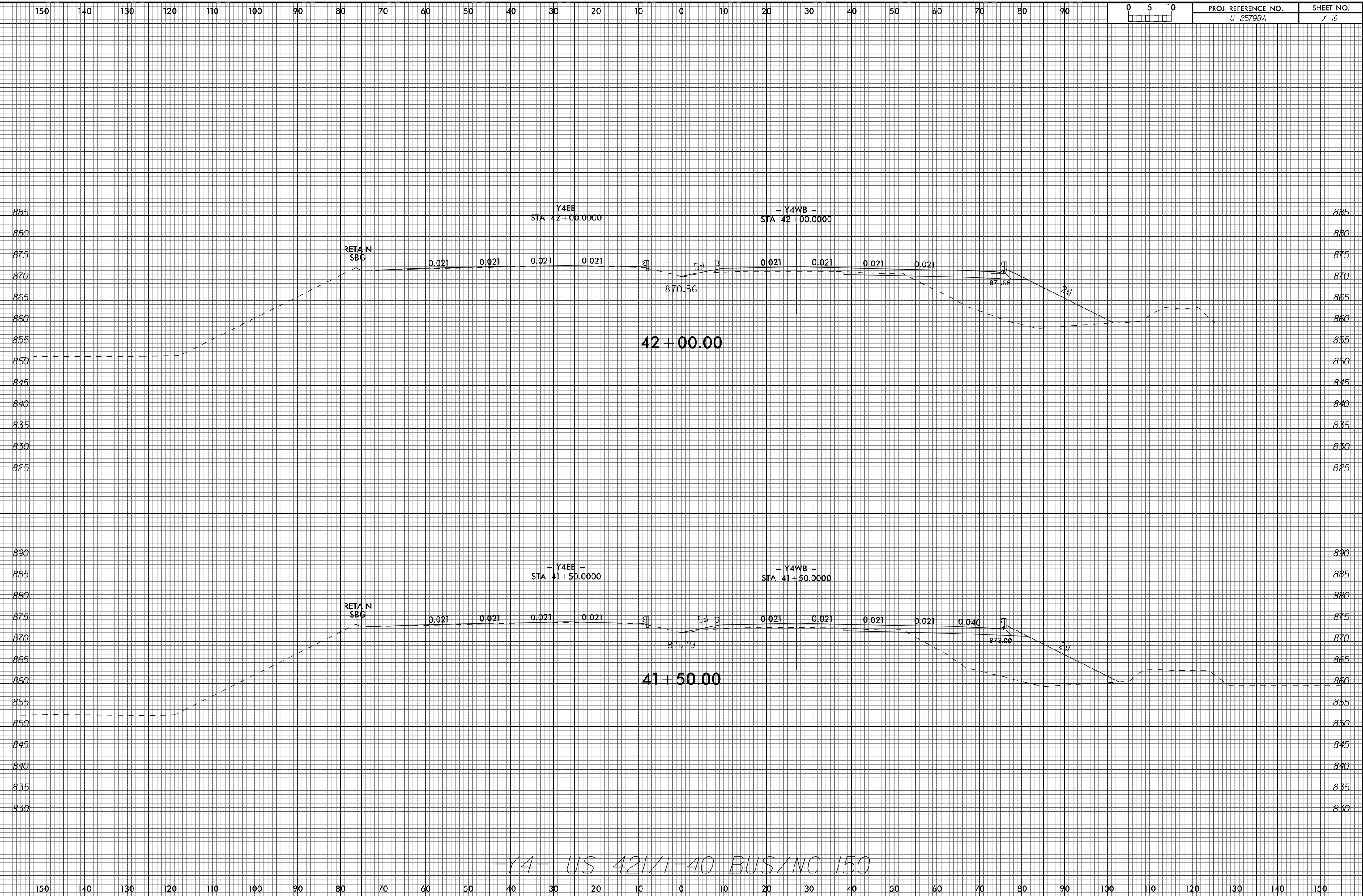


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-Y4- US 421/1-40 BUS/NC 150

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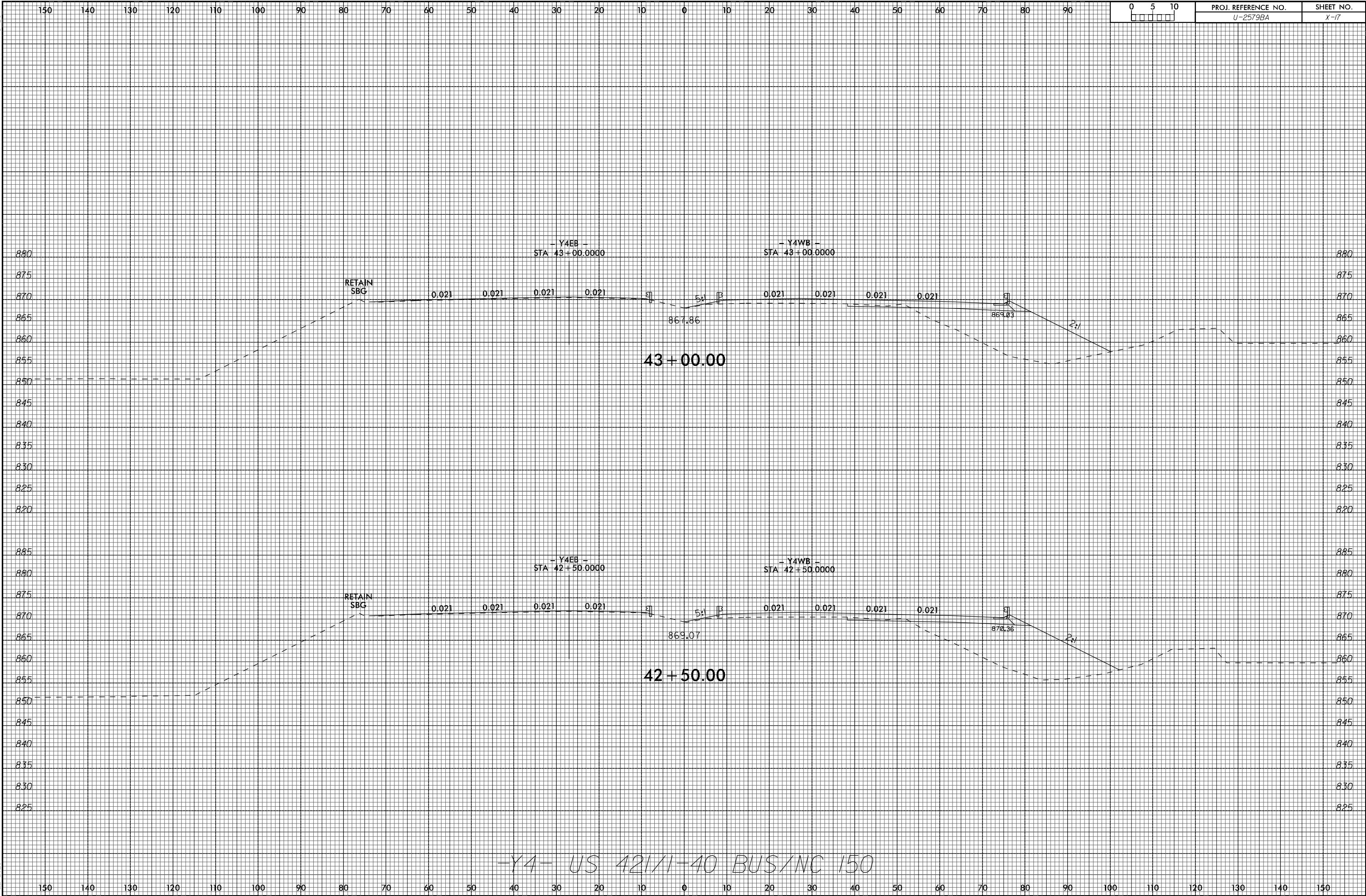


-Y4- US 421/1-40 BUS/NC 150

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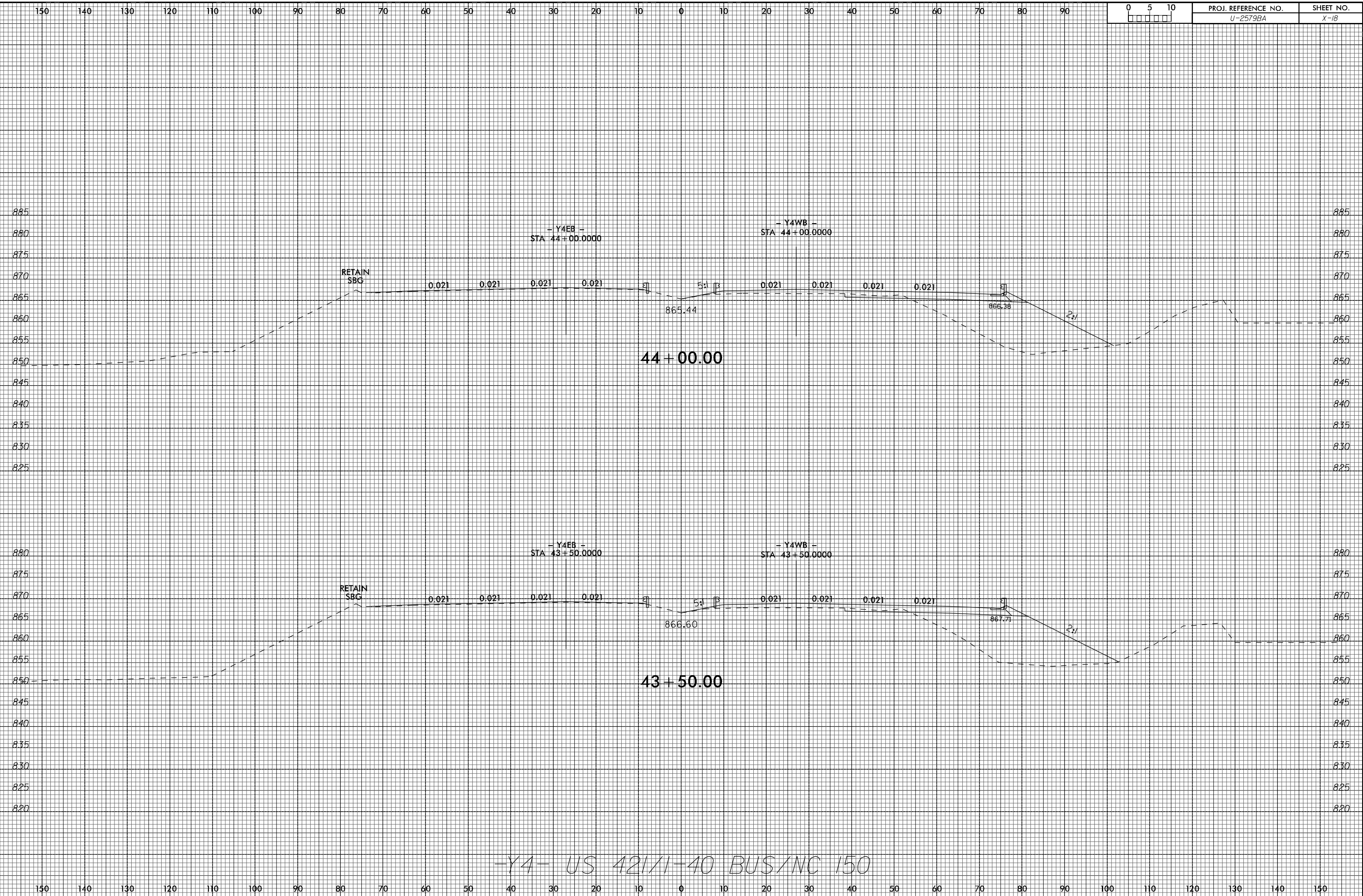
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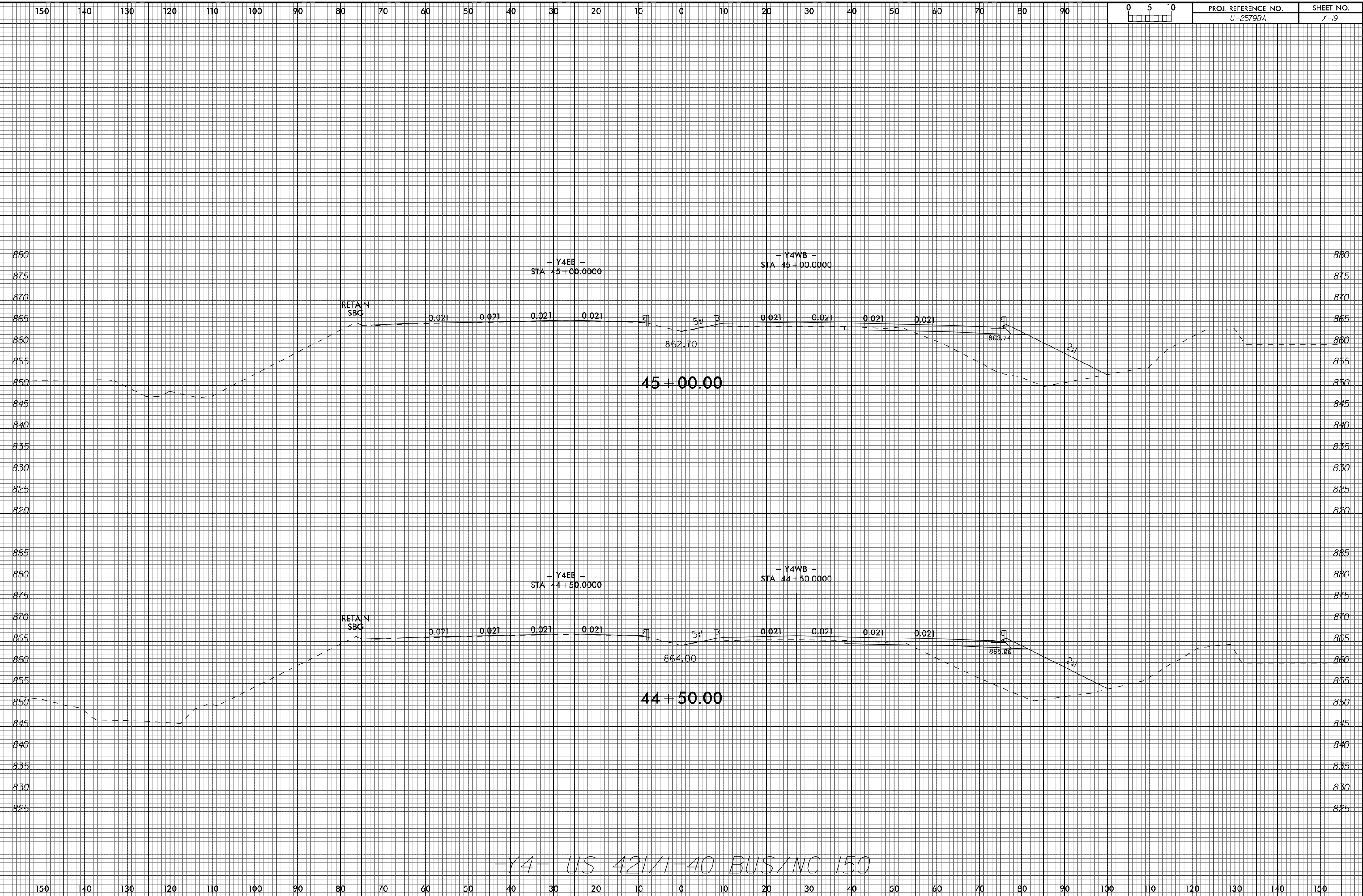


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-Y4- US 421/1-40 BUS/NC 150

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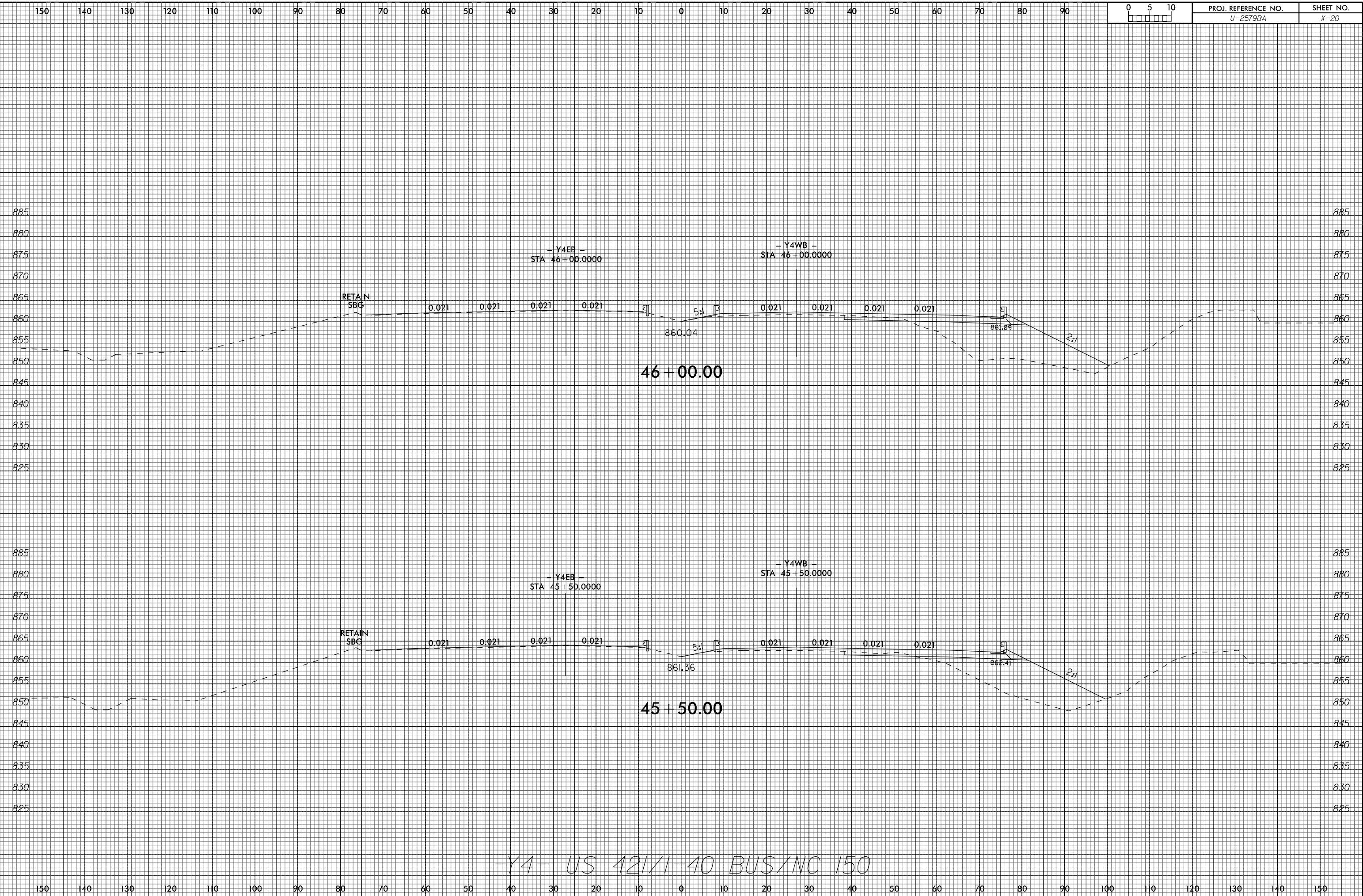
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-Y4- US 421/1-40 BUS/NC 150

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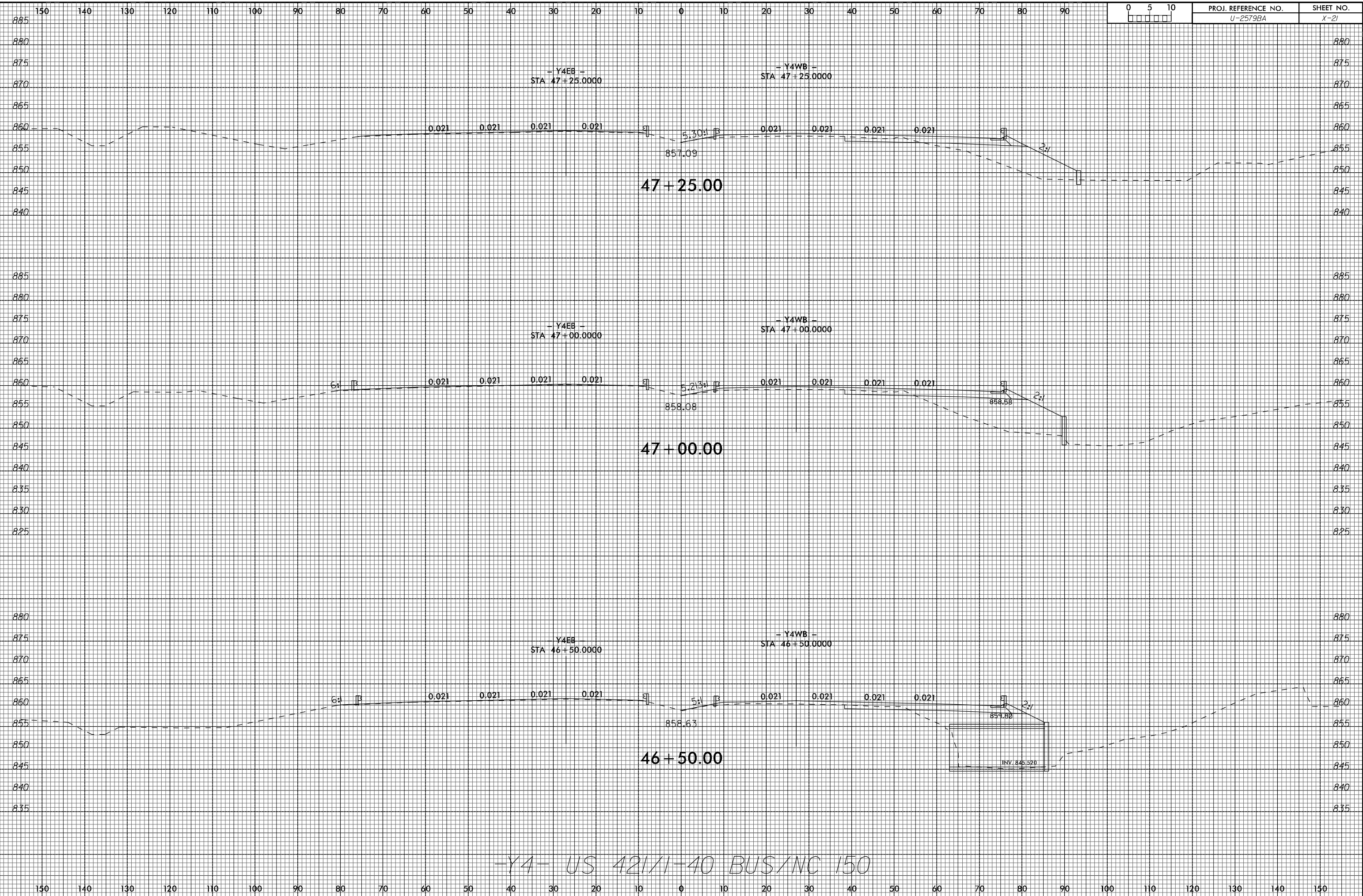
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-Y4- US 421/1-40 BUS/NC 150

8/23/99

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-Y4- US 421/1-40 BUS/NC 150

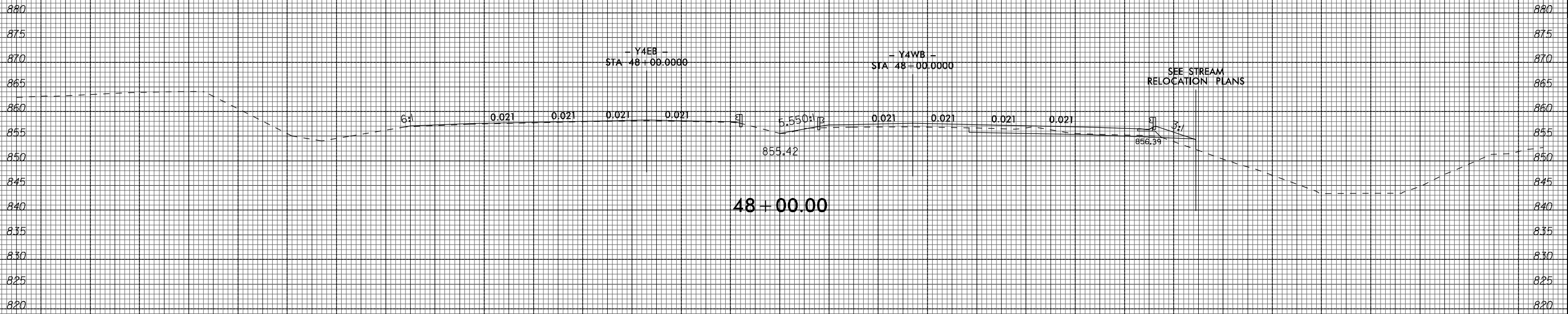
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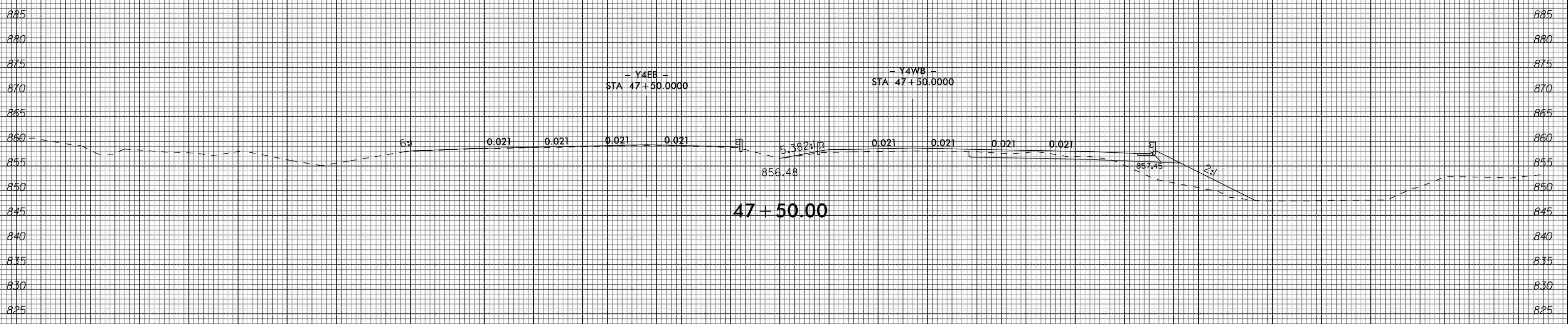
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PROJ. REFERENCE NO.
U-2579BA

SHEET NO.
X-22



48+00.00



47+50.00

-Y4- US 421/1-40 BUS/NC 150

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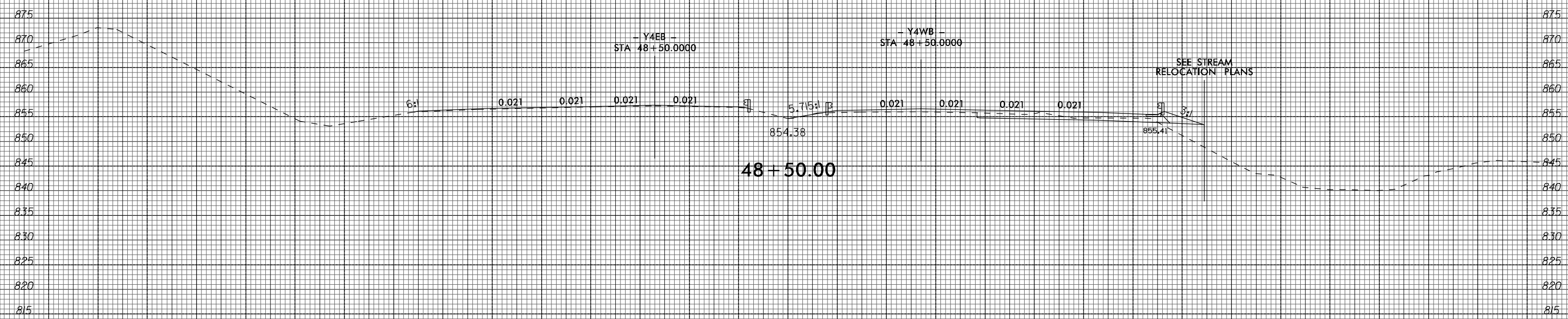
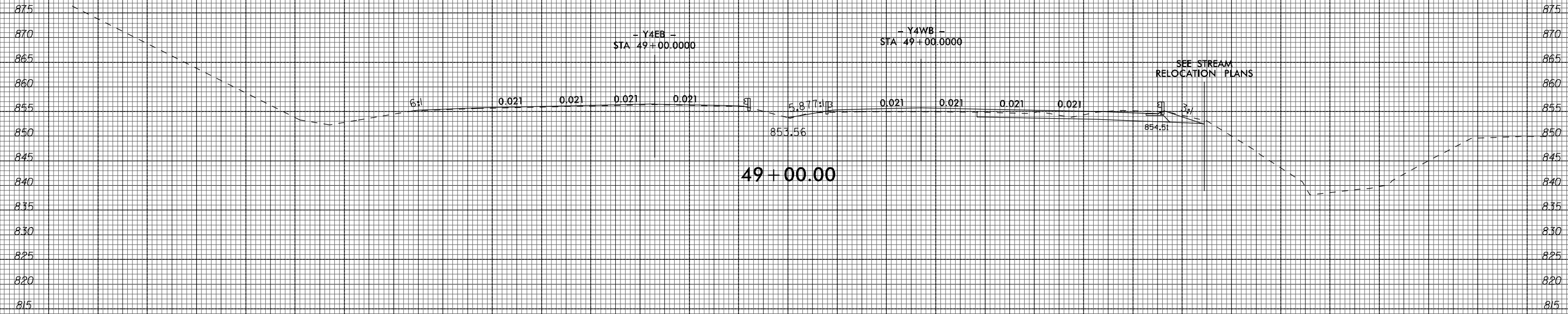
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PROJ. REFERENCE NO.
U-2579BA

SHEET NO.
X-23

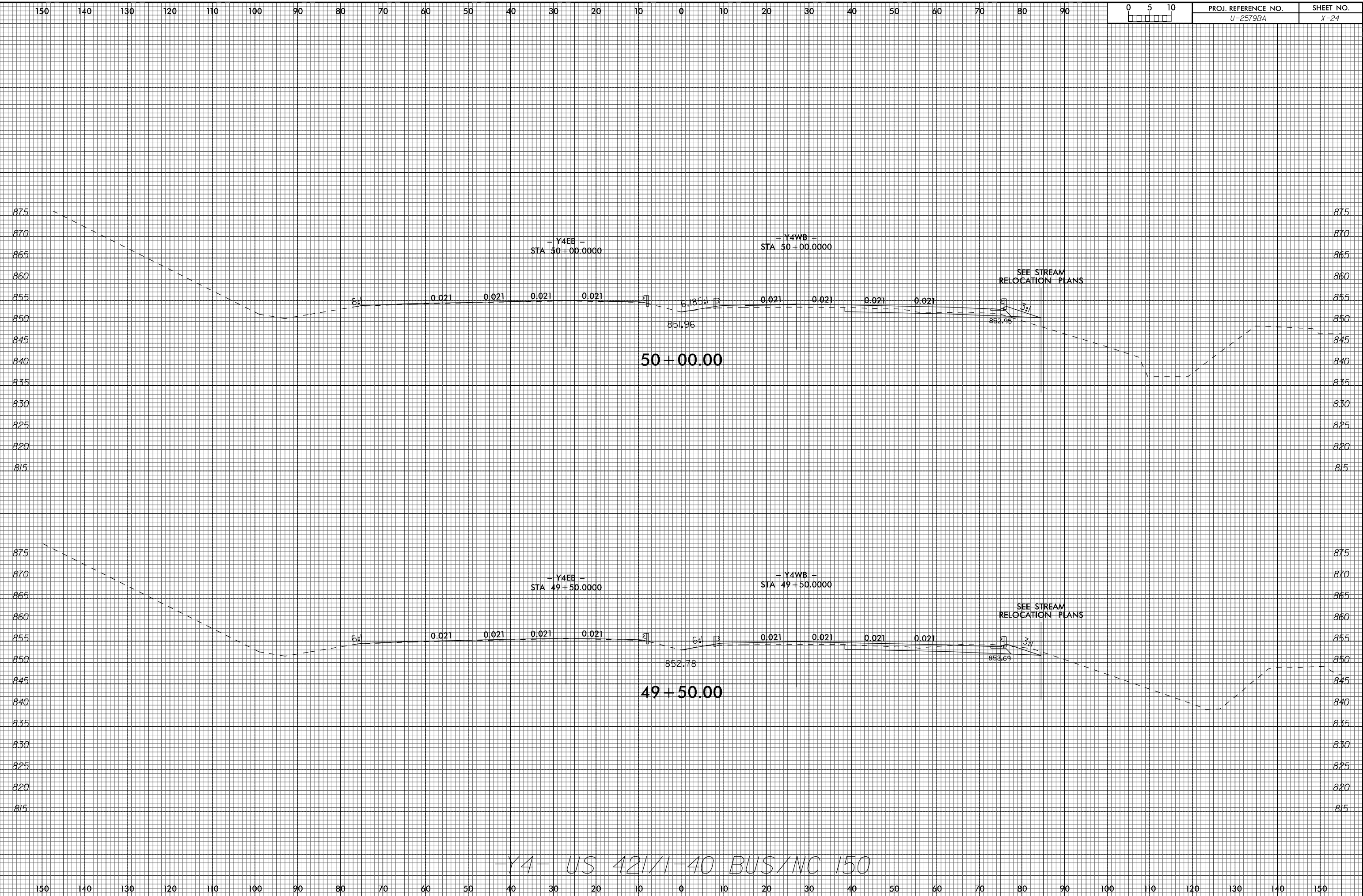


-Y4- US 421/1-40 BUS/NC 150

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8/23/99

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8/23/99

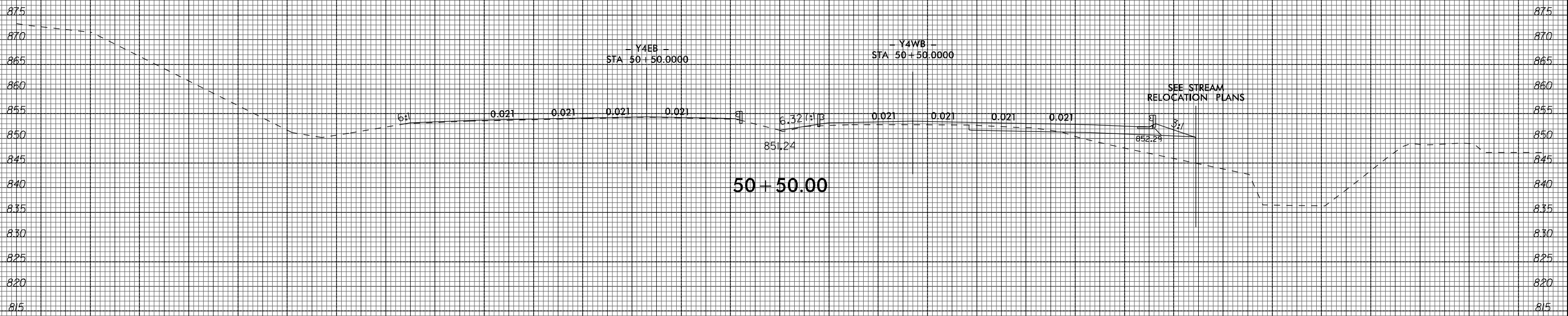
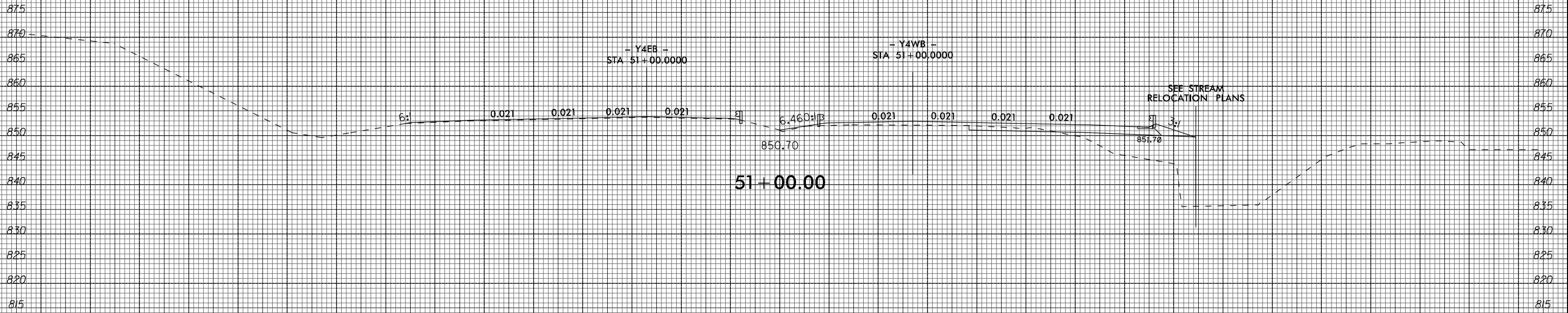
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PROJ. REFERENCE NO.
U-2579BA

SHEET NO.
X-25

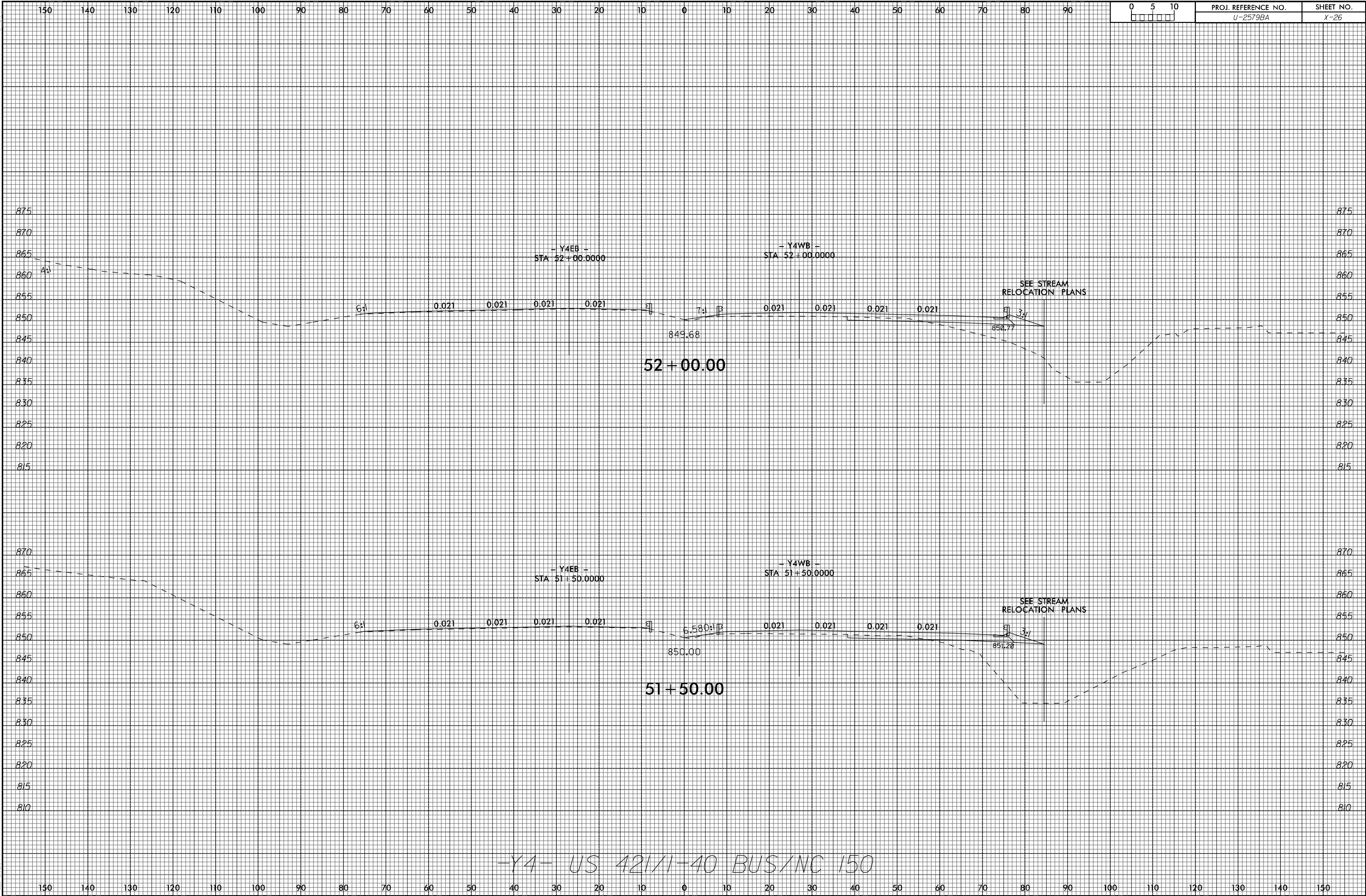


-Y4- US 421/1-40 BUS/NC 150

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8/23/99

1/22/2020

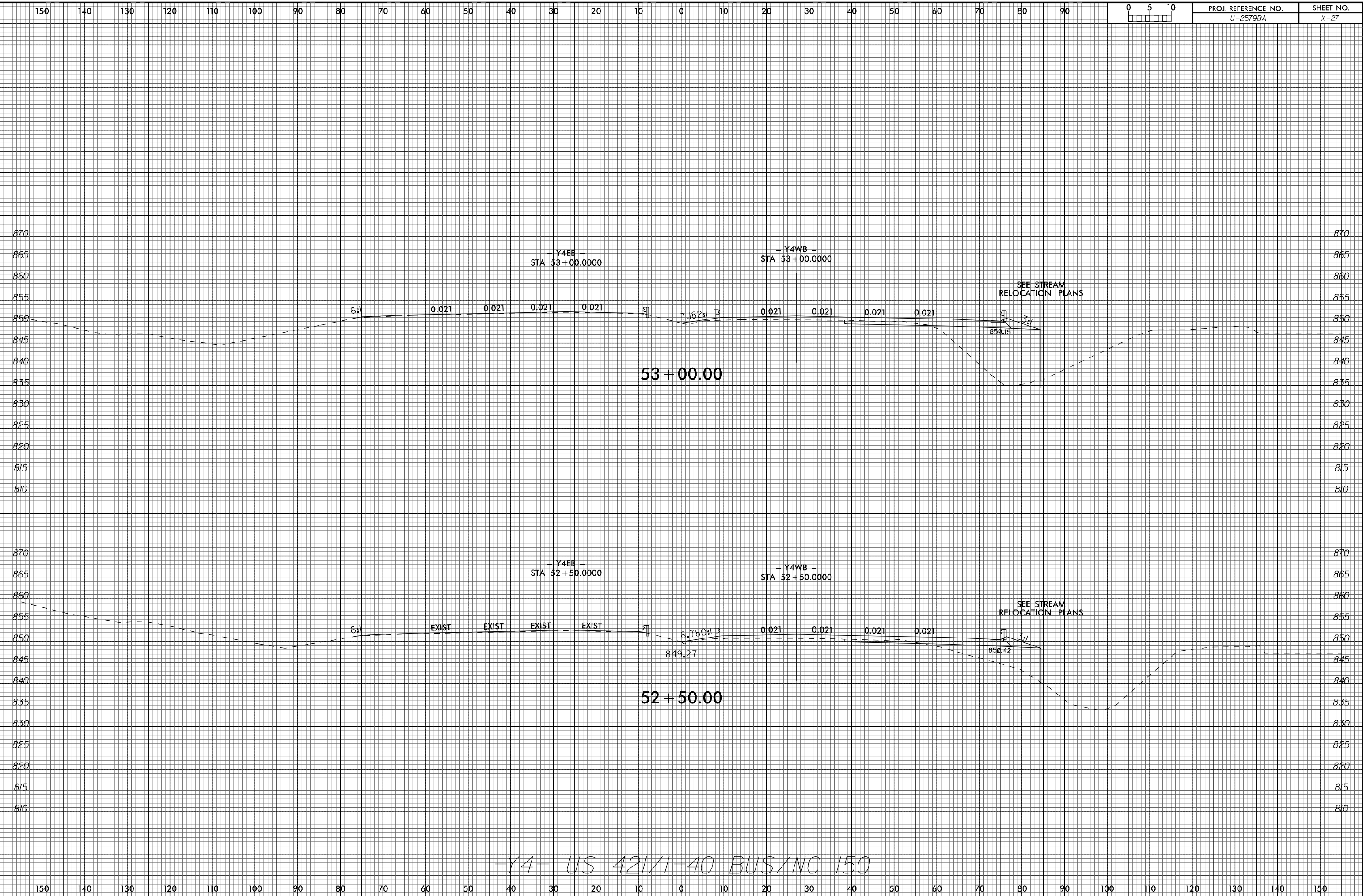


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-Y4- US 421/1-40 BUS/NC 150

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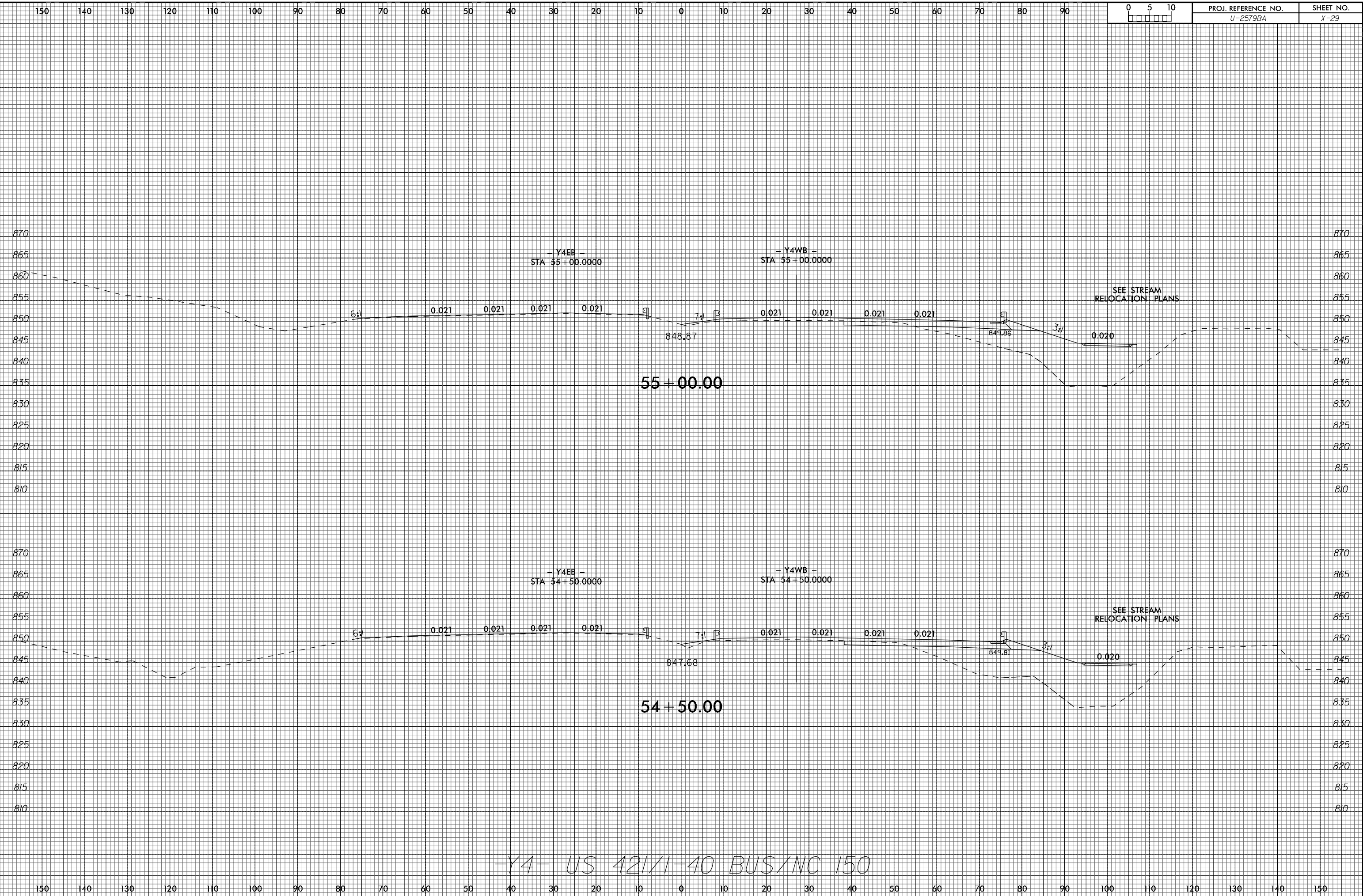
1/22/2020



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-Y4- US 421/1-40 BUS/NC 150

8/23/99

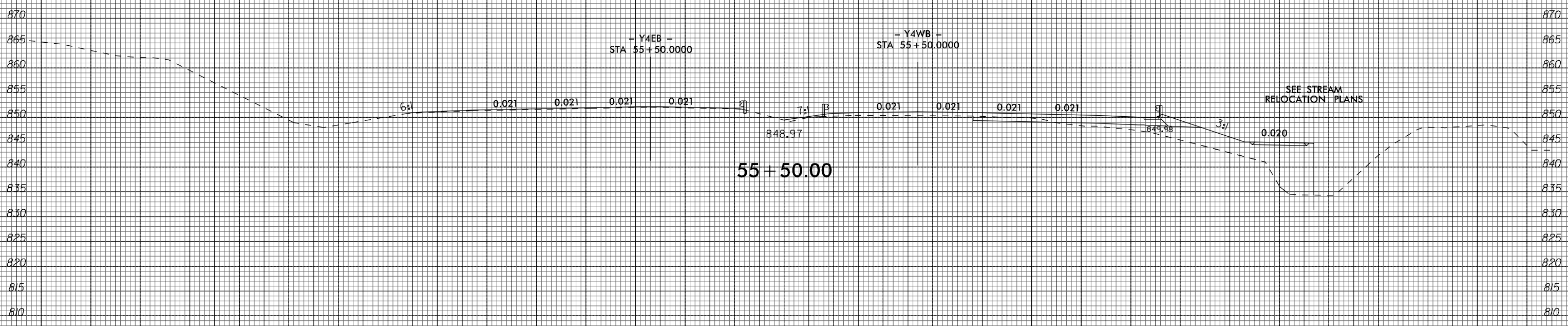
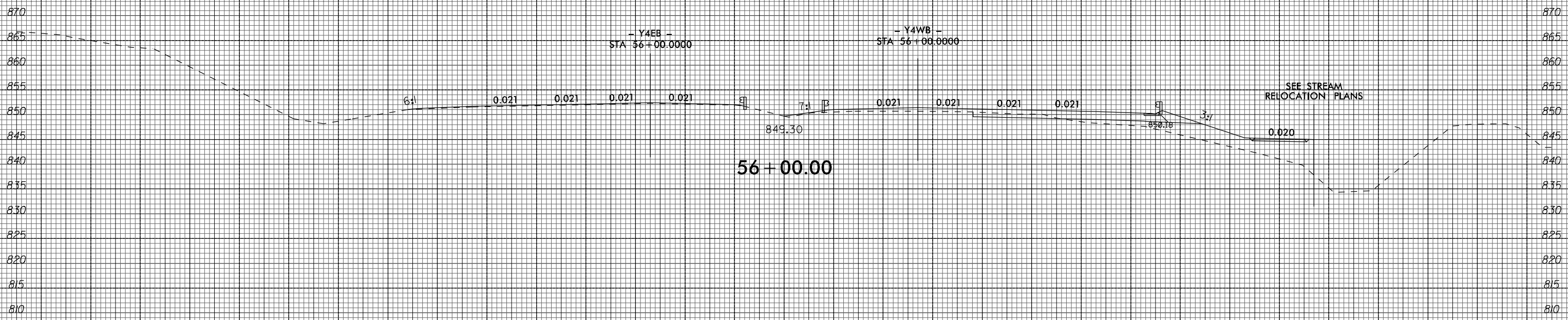
1/22/2020

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PROJ. REFERENCE NO.
U-2579BA

SHEET NO.
X-30

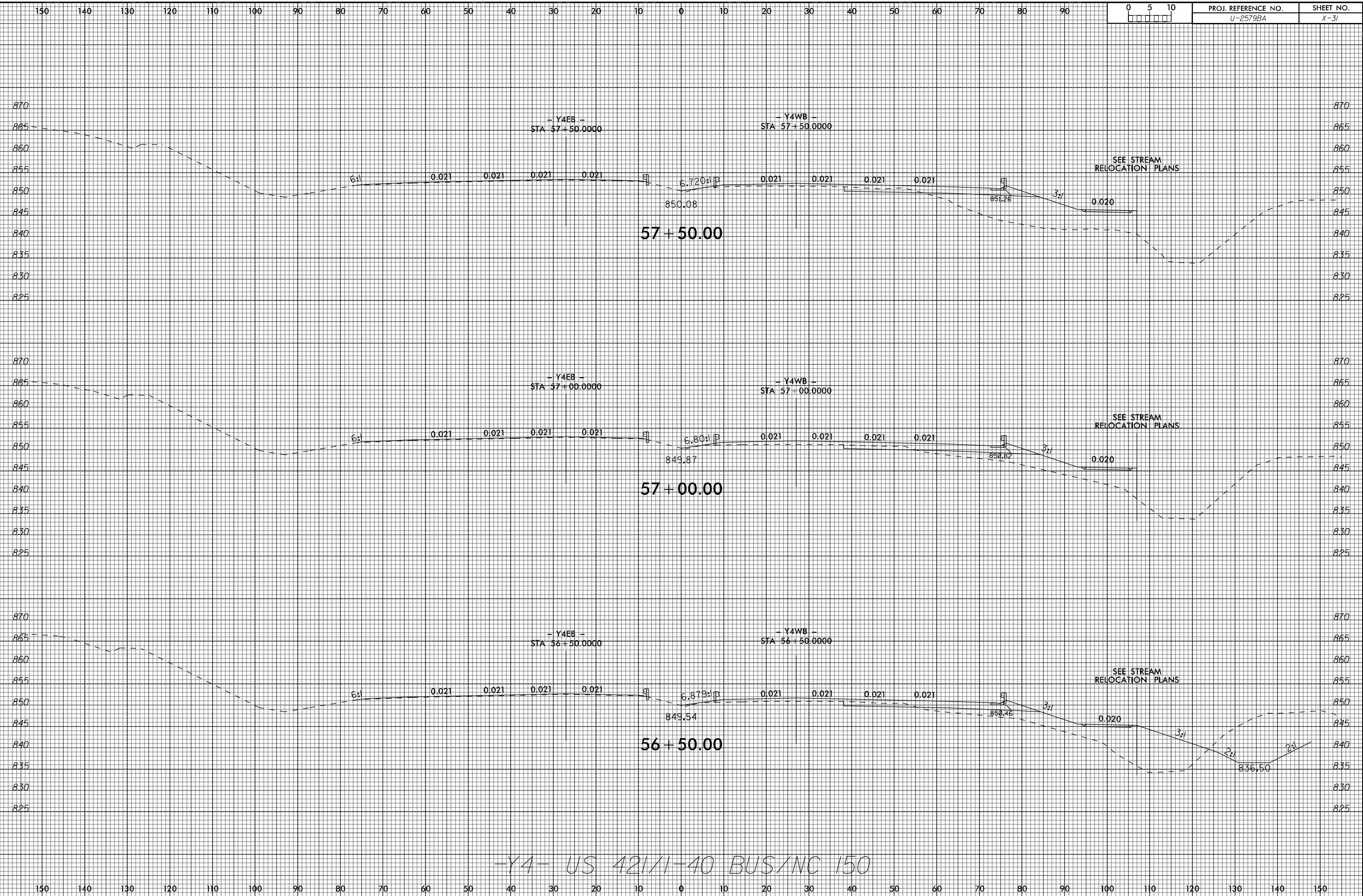


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8/23/99

1/22/2020

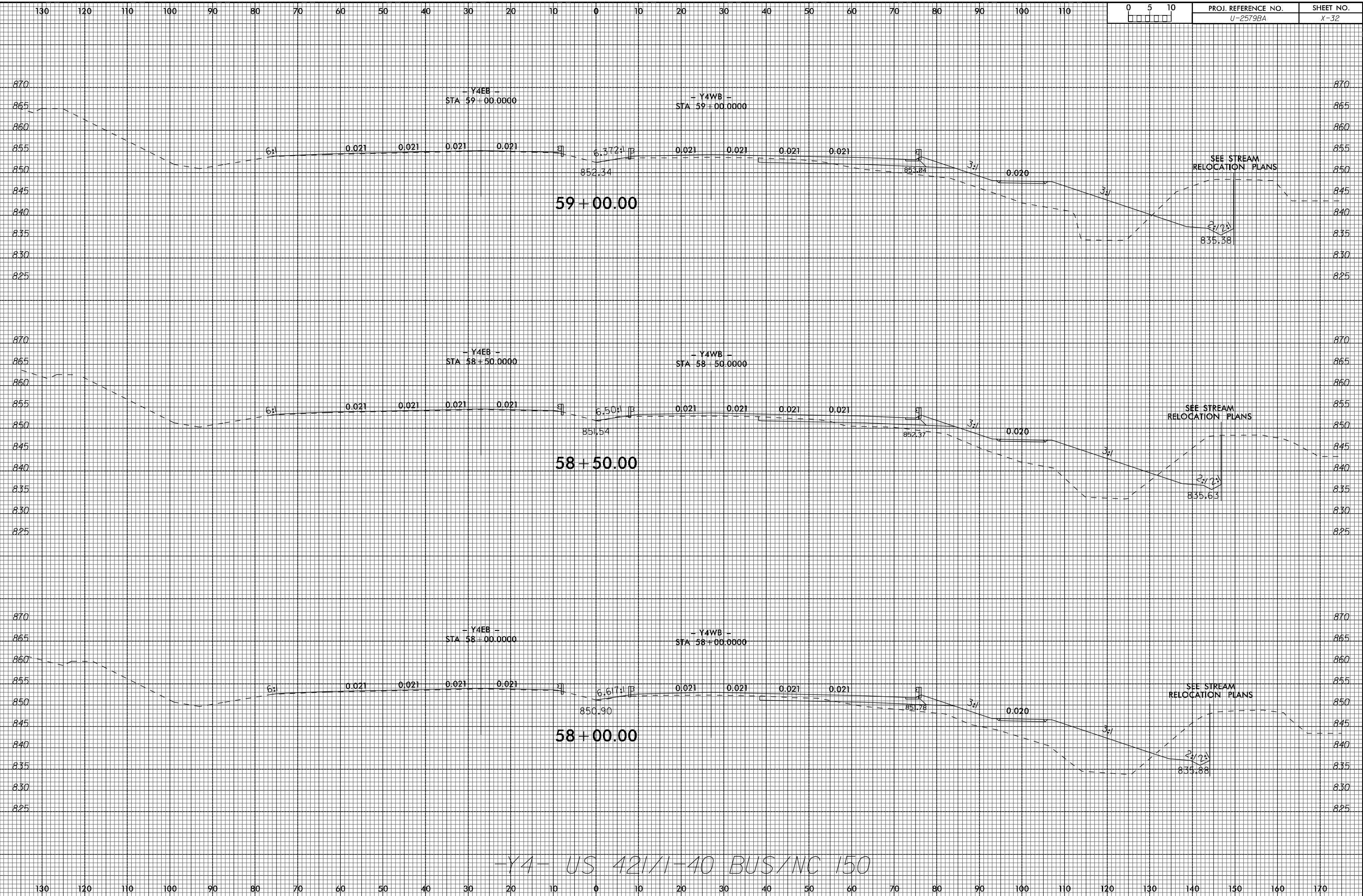


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-Y4- US 421/1-40 BUS/NC 150

8/23/99

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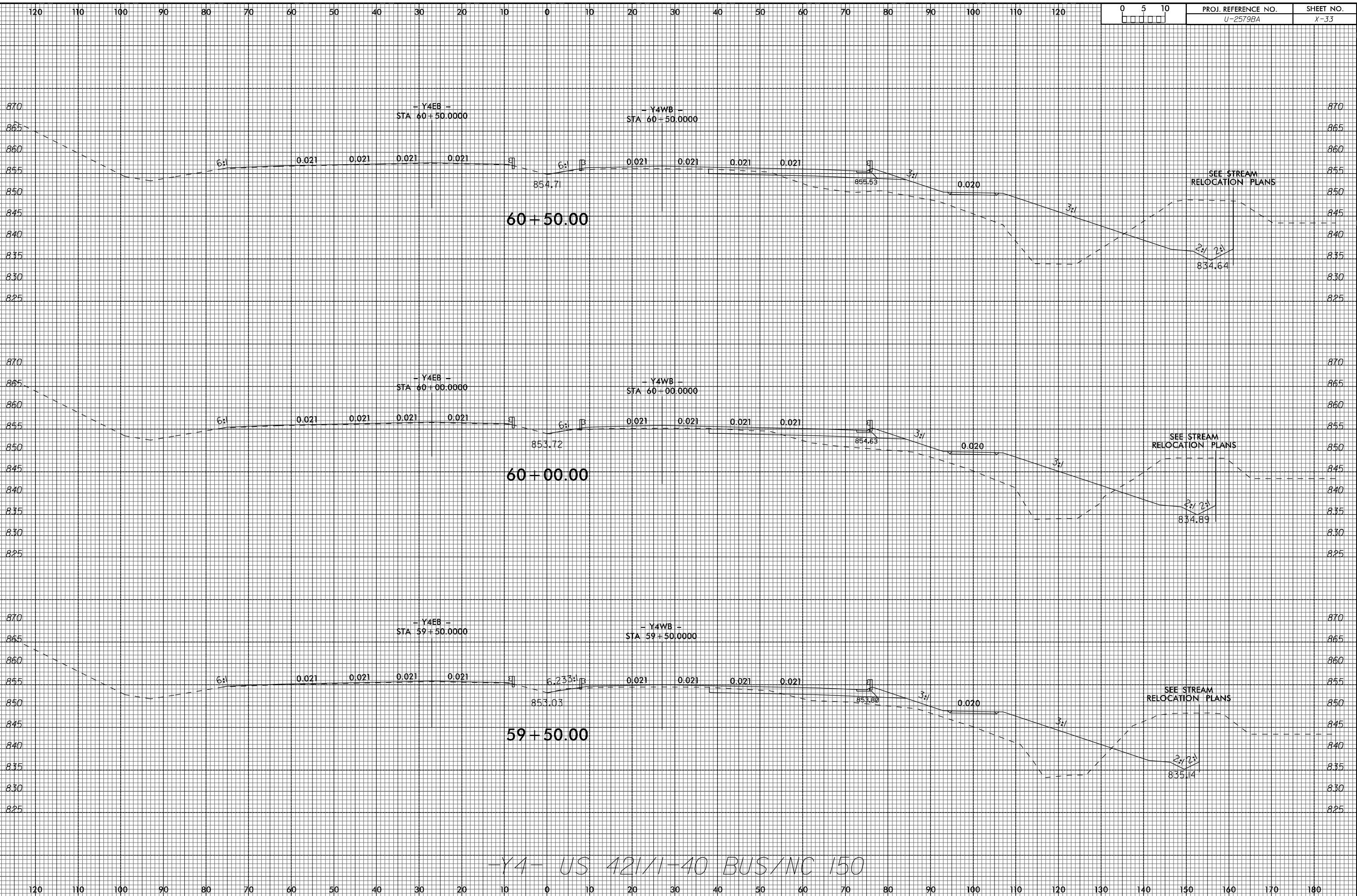
-Y4- US 421/1-40 BUS/NC 150

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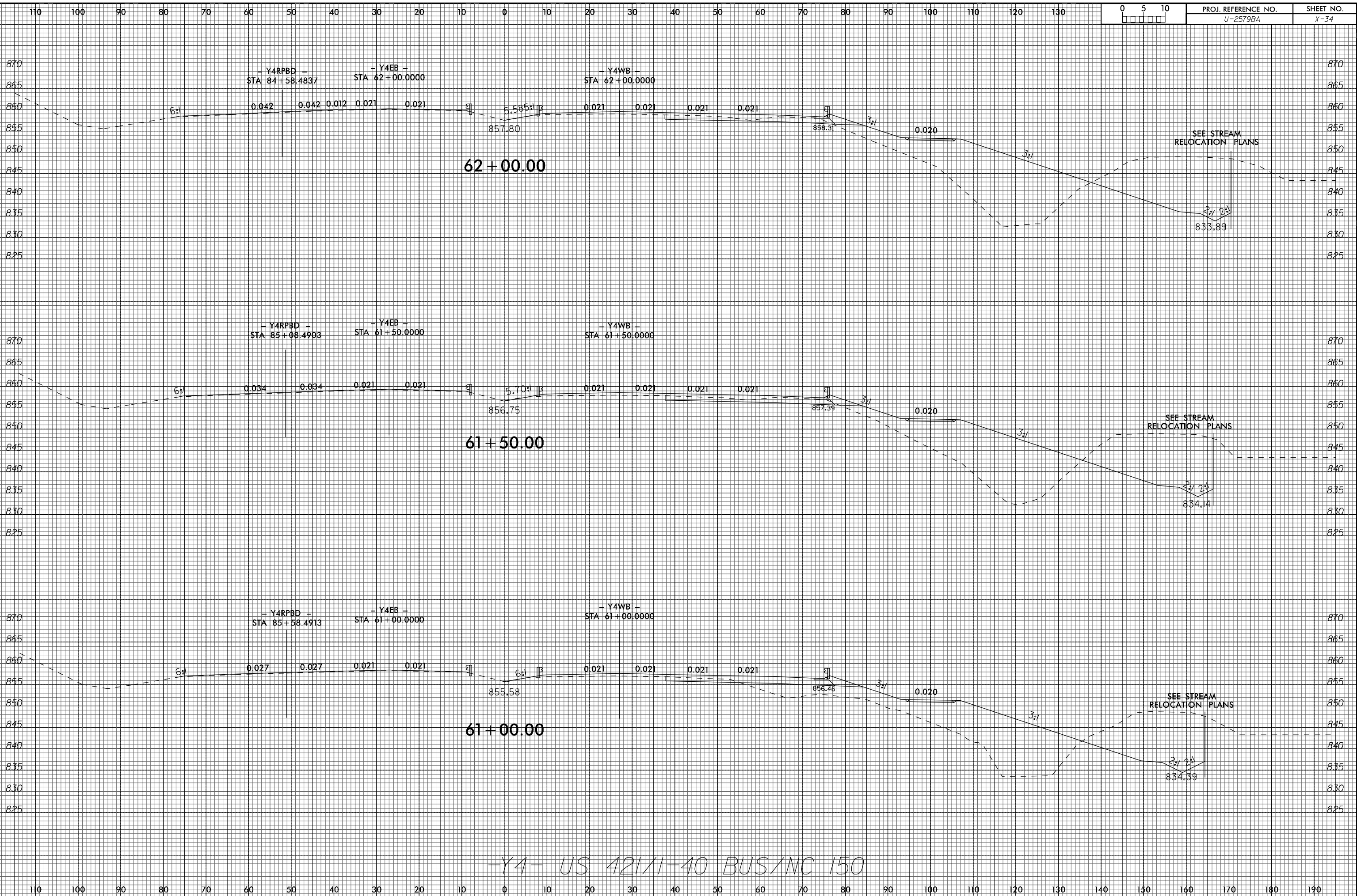
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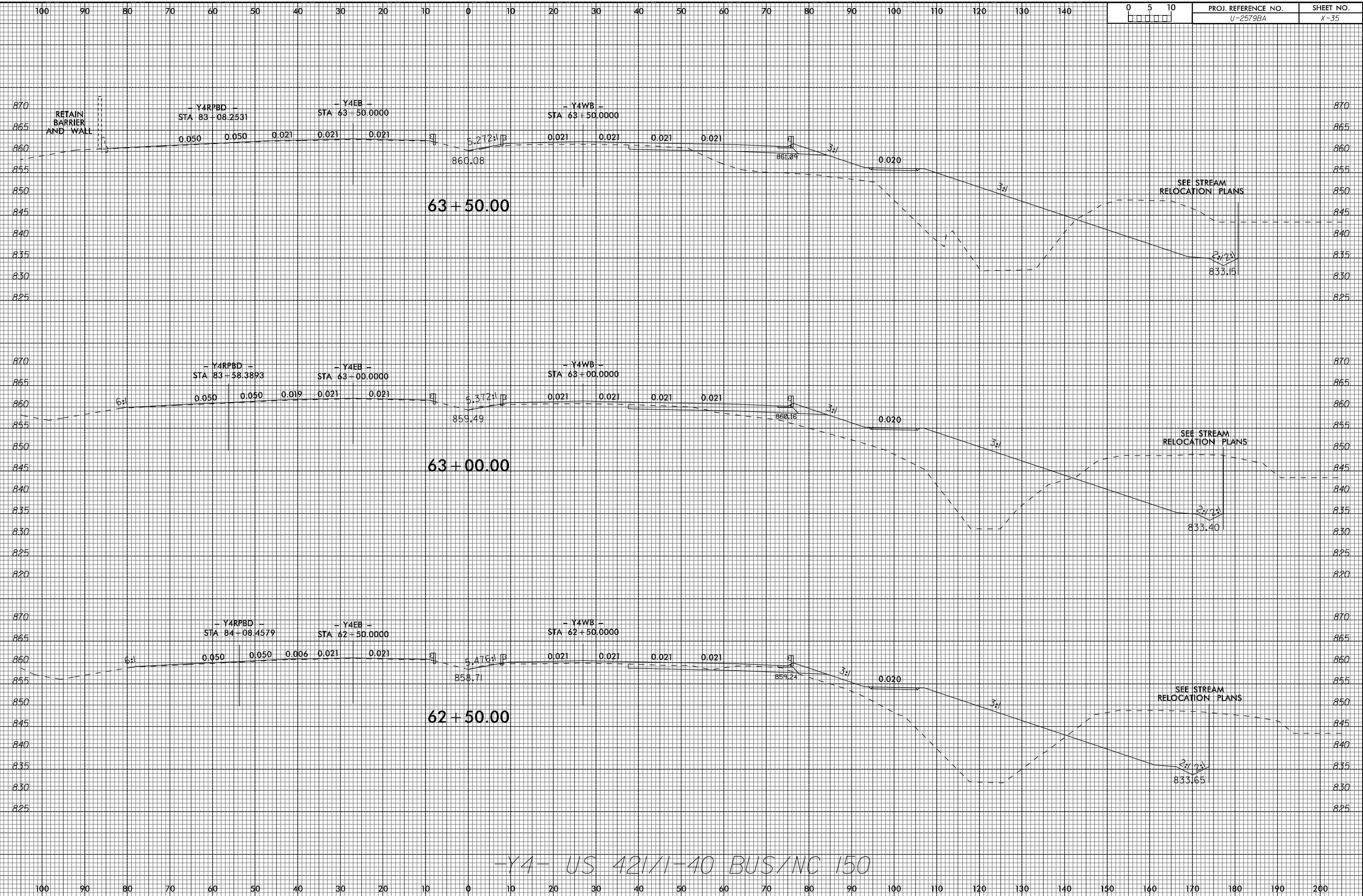
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-Y4- US 421/1-40 BUS/NC 150

8/23/99

1/22/2020

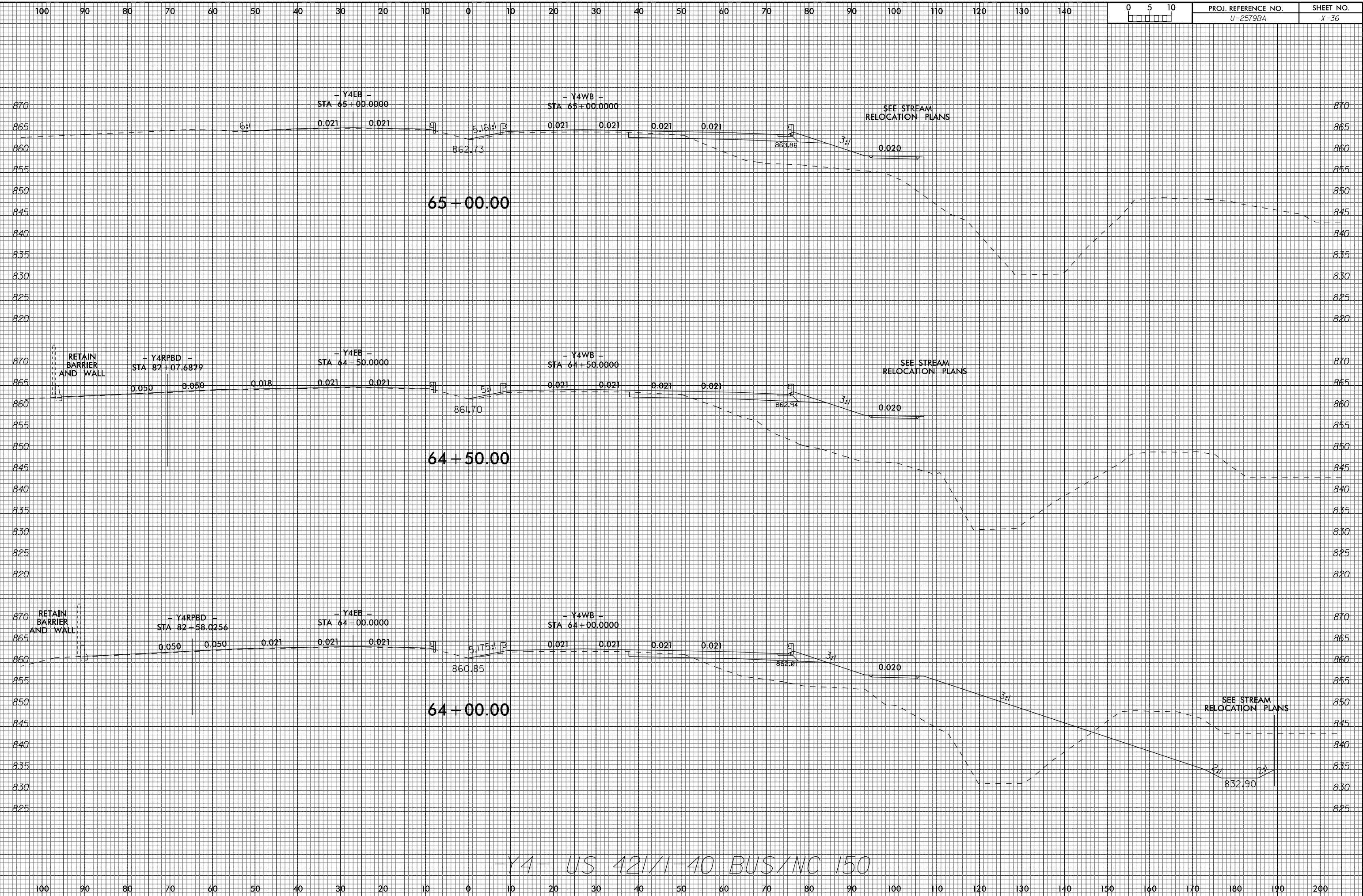


-Y4- US 421/1-40 BUS/NC 150

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8/23/99

1/22/2020

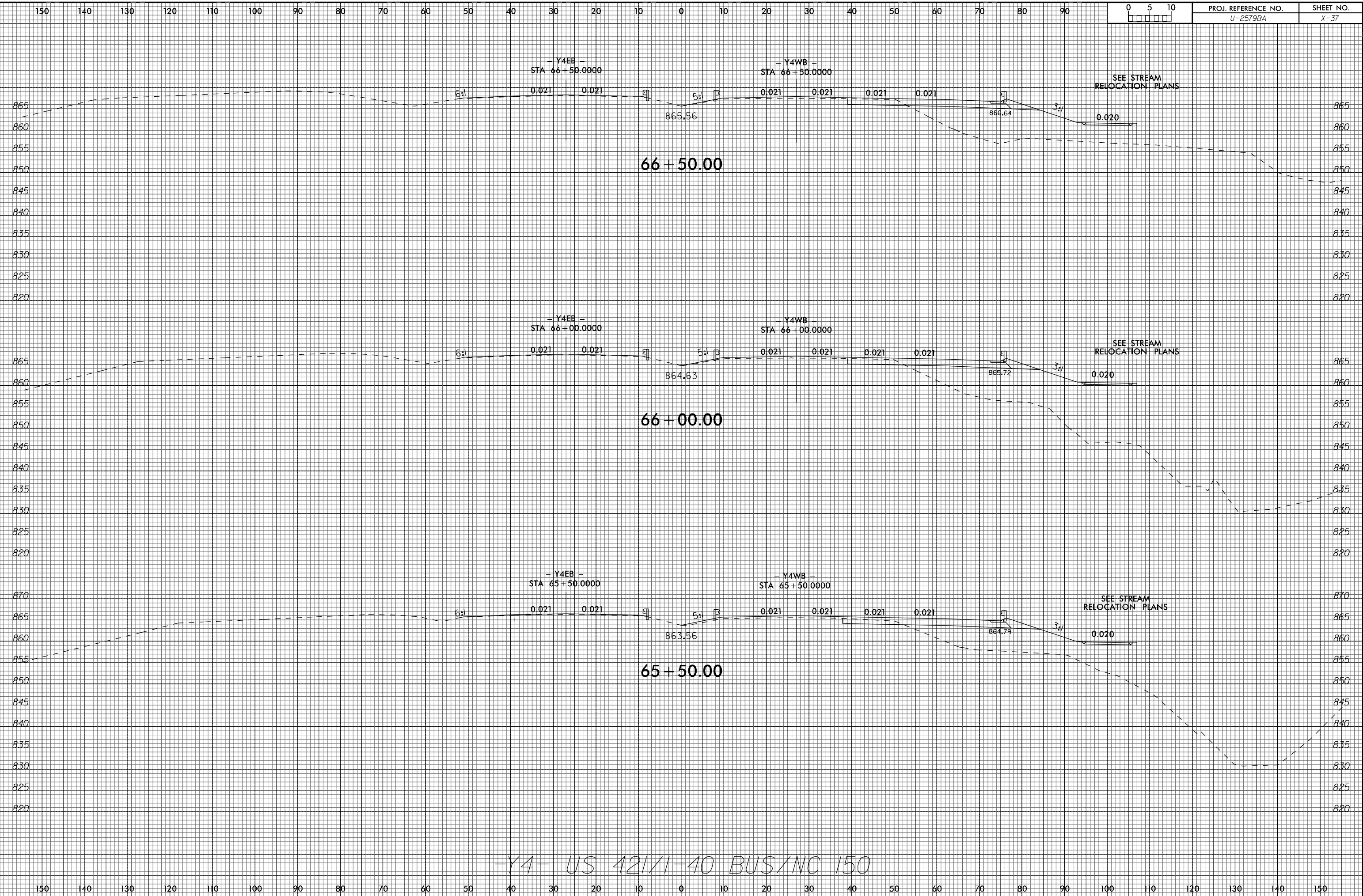


0	5	10	PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-36
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-Y4- US 421/1-40 BUS/NC 150

8/23/99

1/22/2020



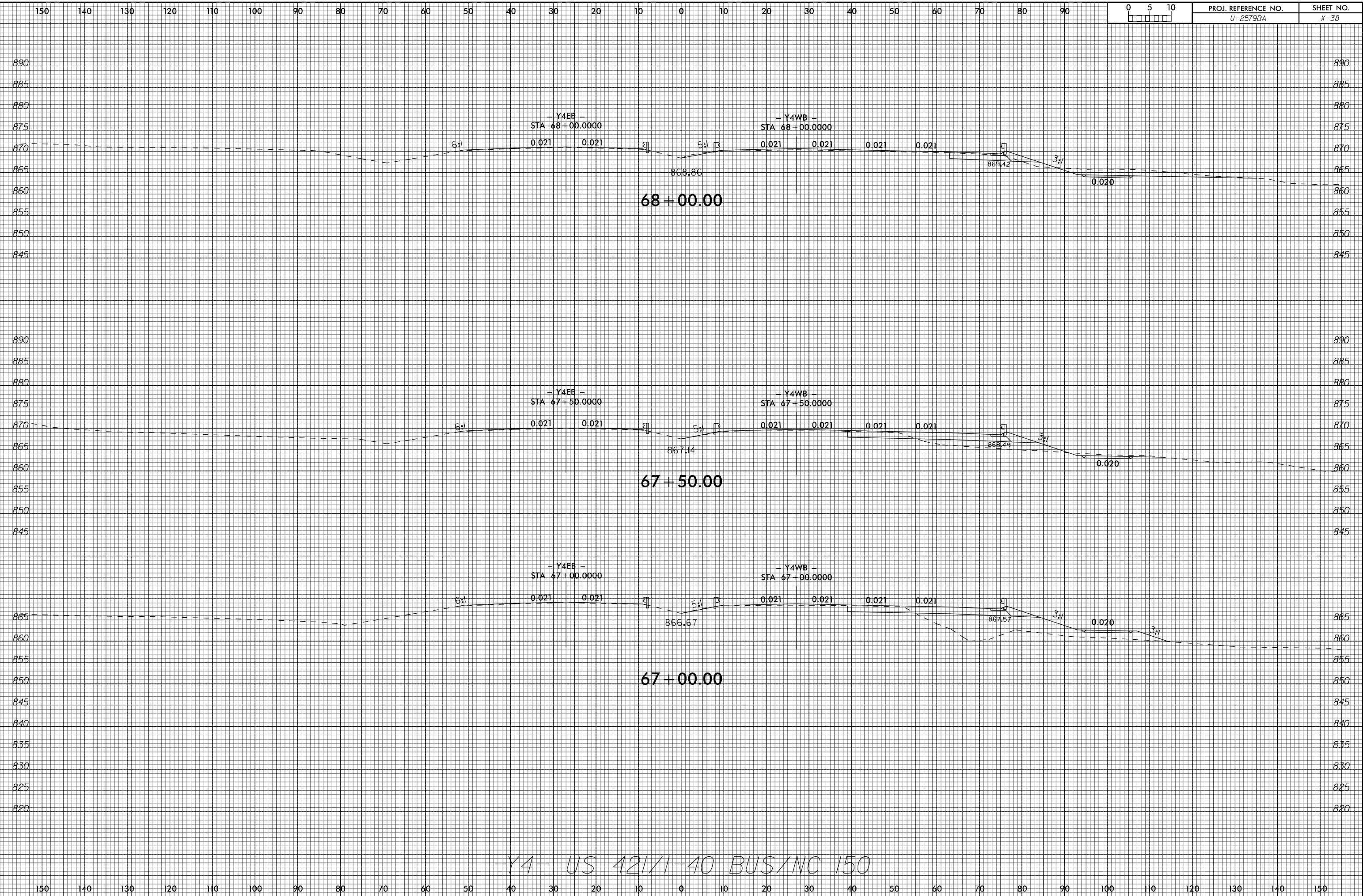
0	5	10
□	□	□

PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-37
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-Y4- US 421/1-40 BUS/NC 150

8/23/99

1/22/2020

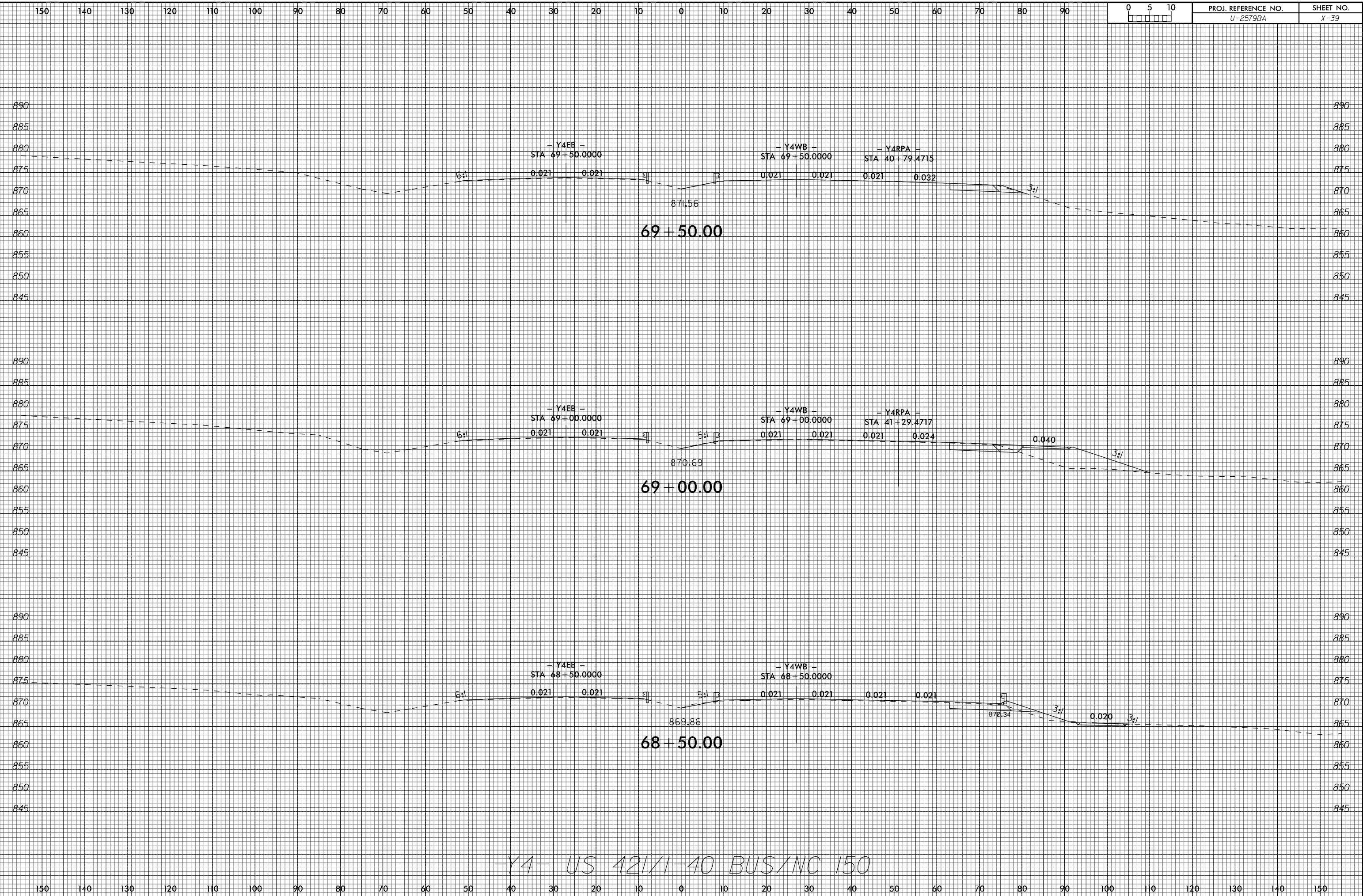


0 5 10	PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-38
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-Y4- US 421/1-40 BUS/NC 150

8/23/99

1/22/2020

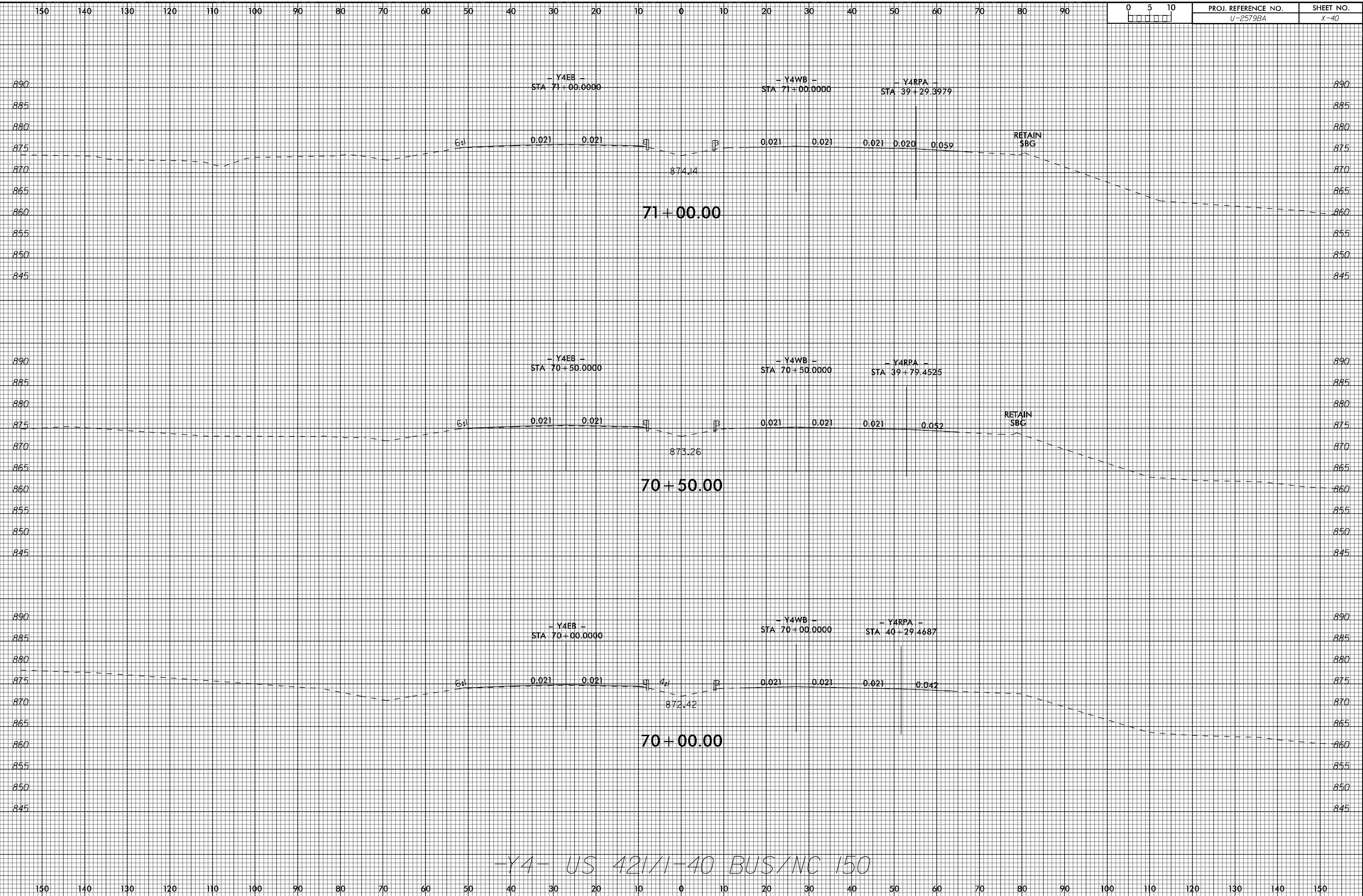


0 5 10	PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-39
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-Y4- US 421/1-40 BUS/NC 150

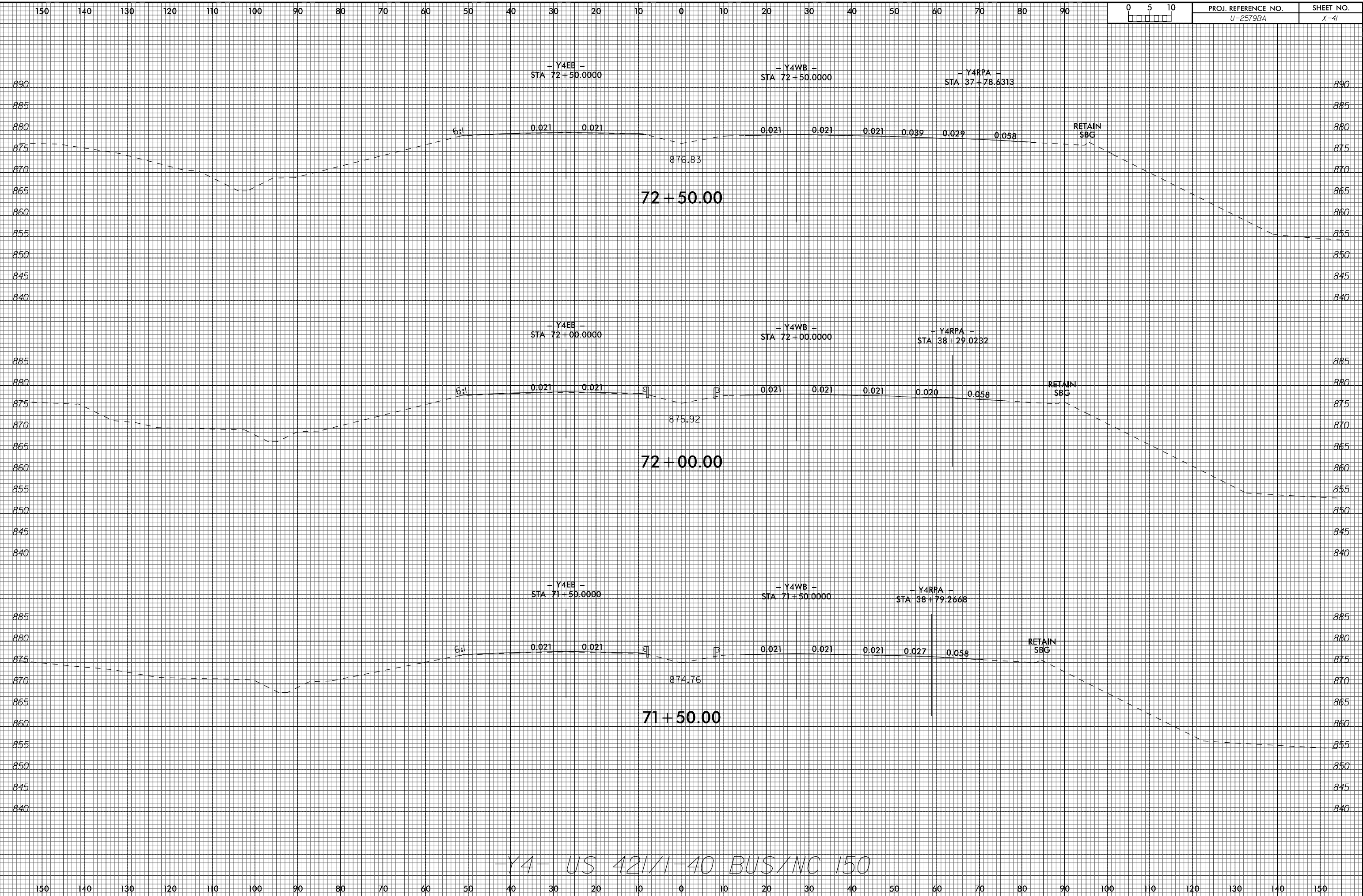
8/23/99

1/22/2020



8/23/99

1/22/2020

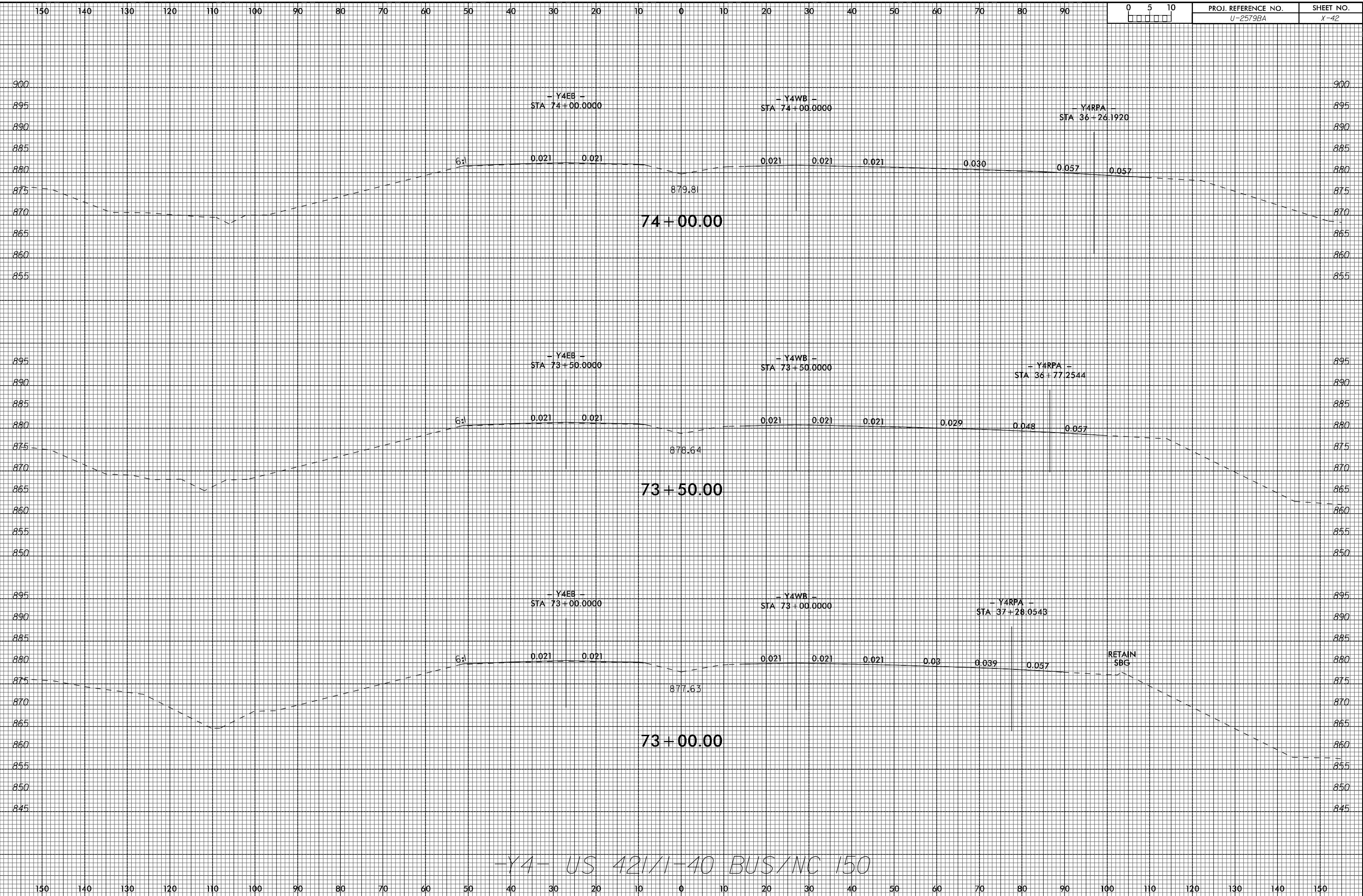


-Y4- US 421/1-40 BUS/NC 150

0 5 10	PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-41
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8/23/99

1/22/2020



0 5 10	PROJ. REFERENCE NO.	SHEET NO.
□ □ □ □ □	U-2579BA	X-42

-Y4- US 421/1-40 BUS/NC 150

8/23/99

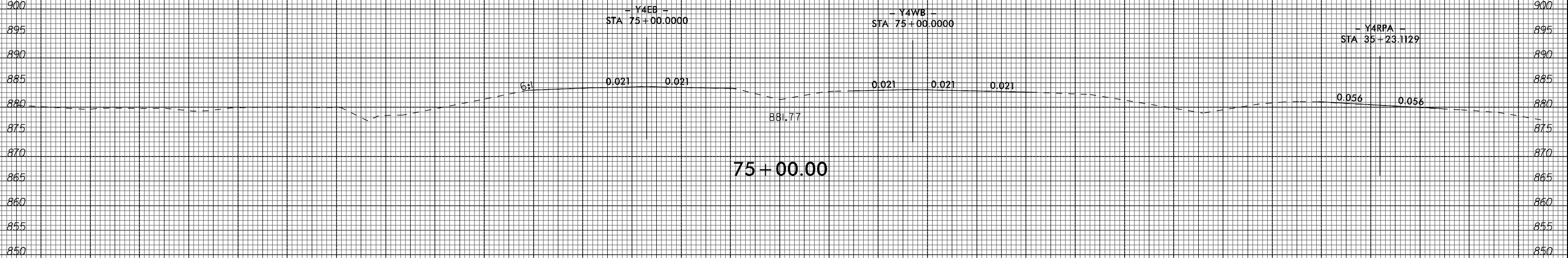
1/22/2020

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

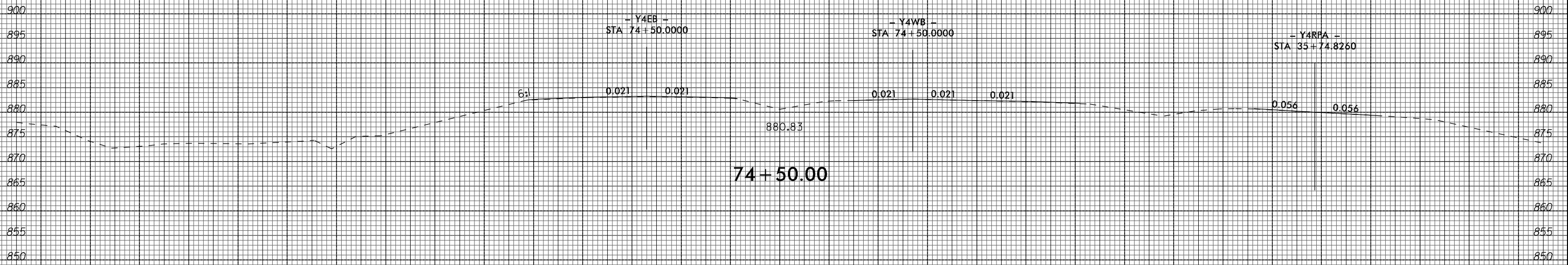
0 5 10
□ □ □ □ □

PROJ. REFERENCE NO.
U-2579BA

SHEET NO.
X-43



75+00.00



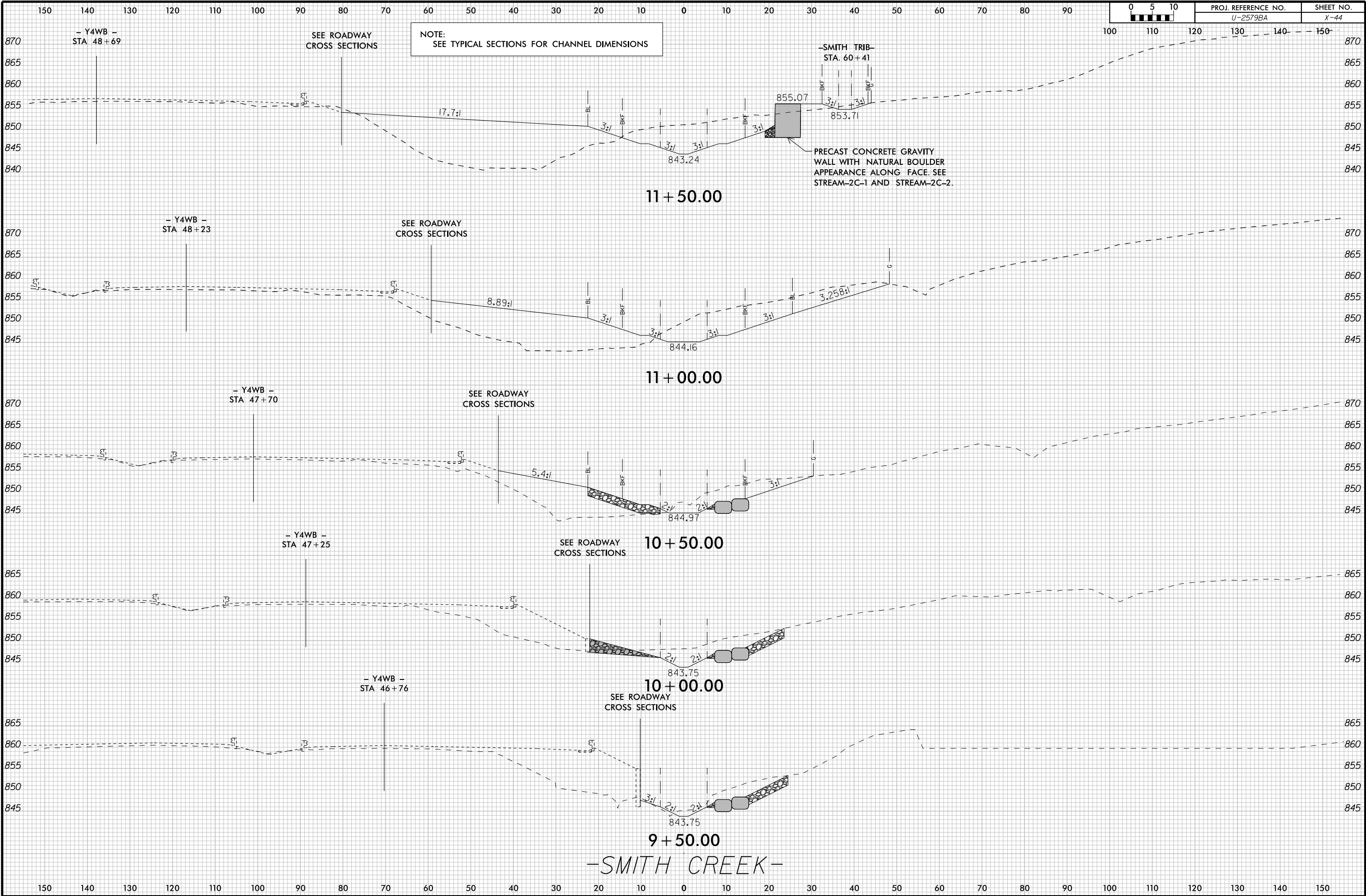
74+50.00

-Y4- US 421/1-40 BUS/NC 150

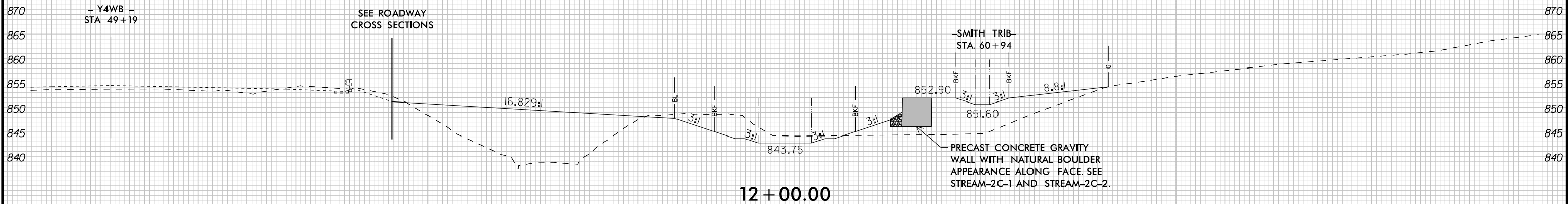
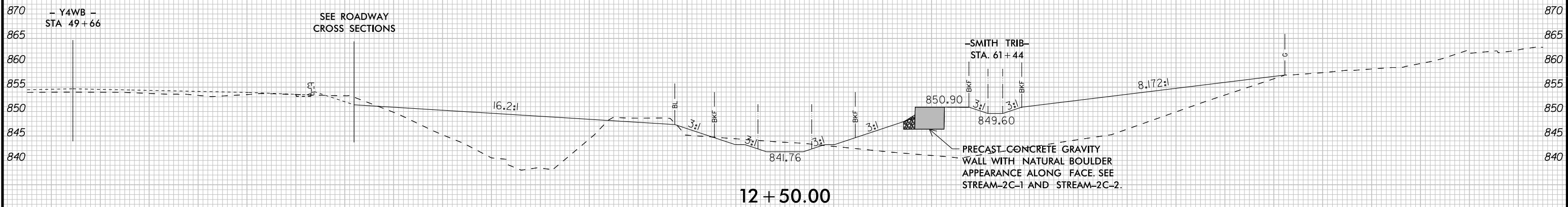
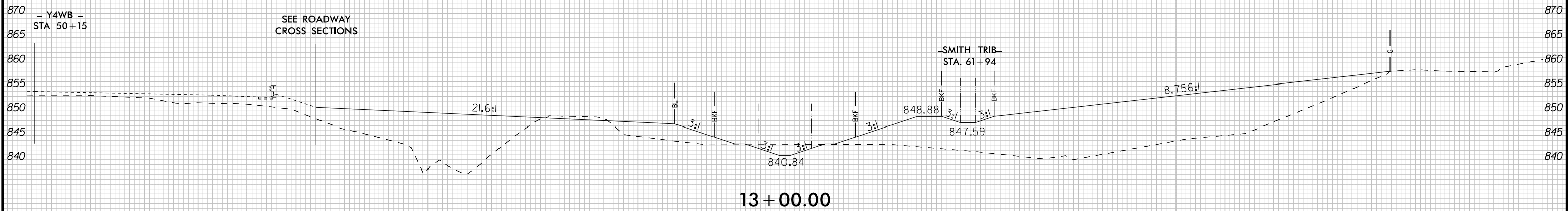
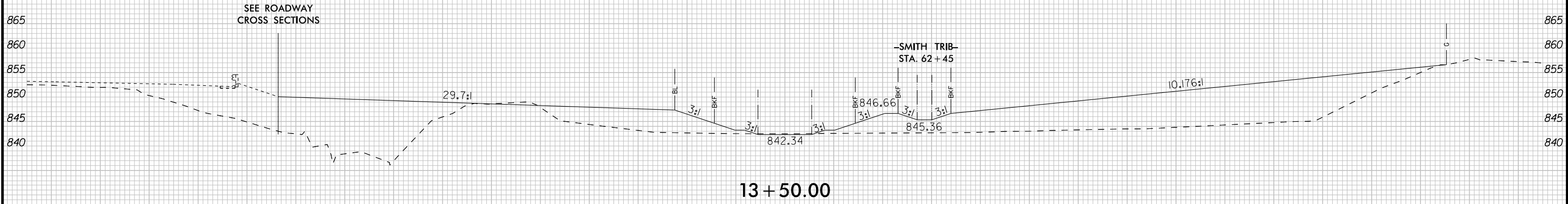
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

8/23/99

2/5/2020



NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



-SMITH CREEK-

8/23/99

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

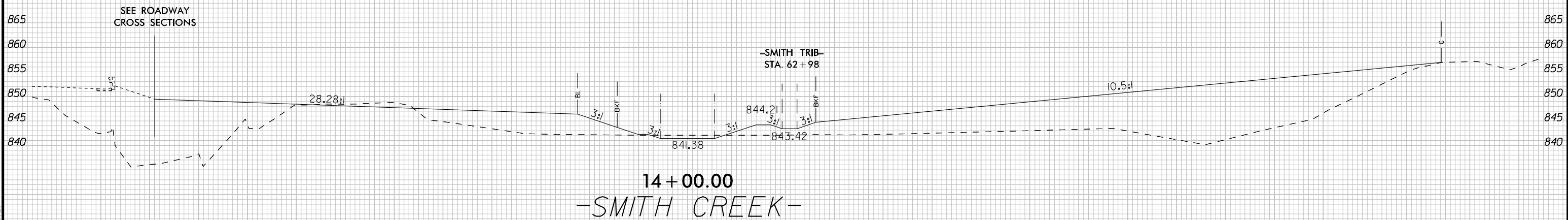
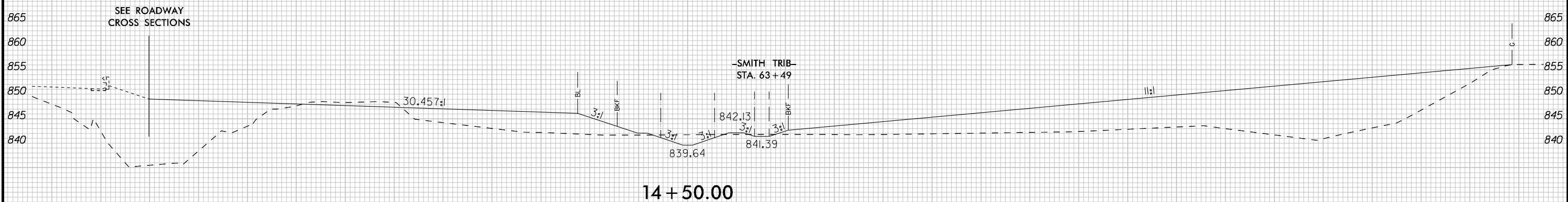
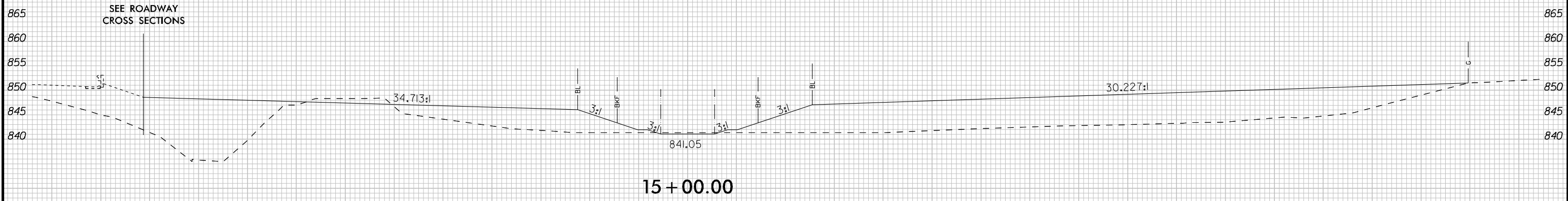
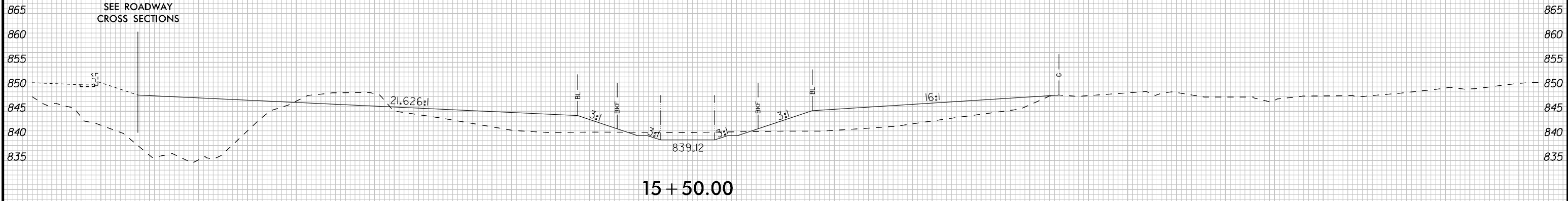


PROJ. REFERENCE NO.
U-2579BA

SHEET NO.
X-46

120 130 140 150 160 170

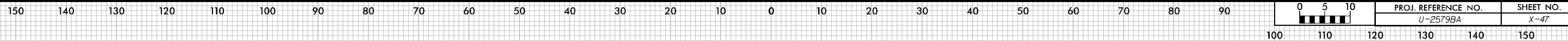
NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



1/22/2020

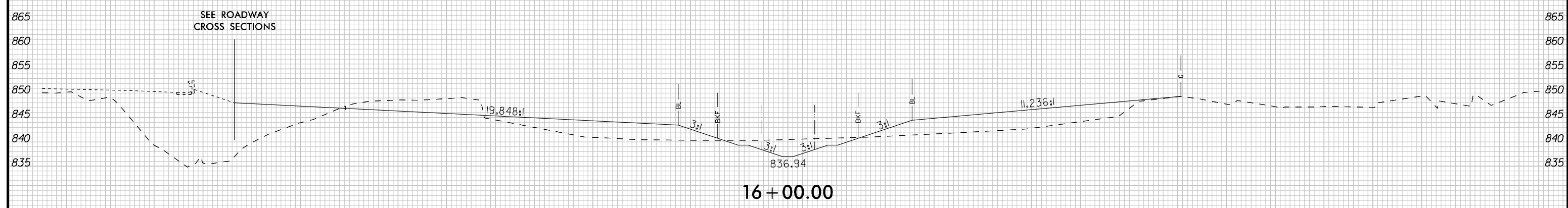
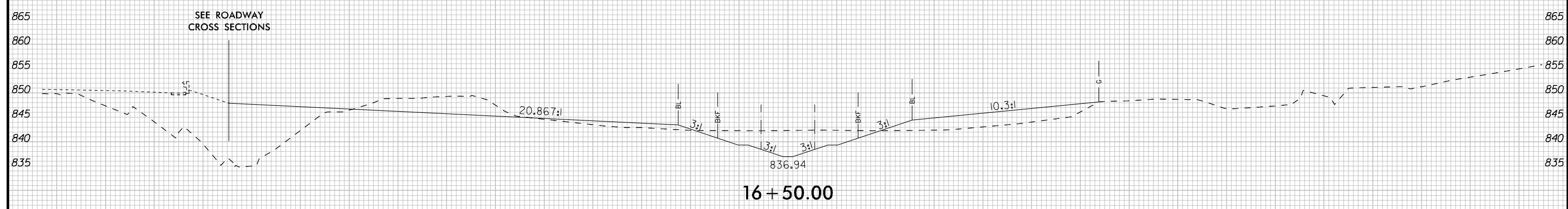
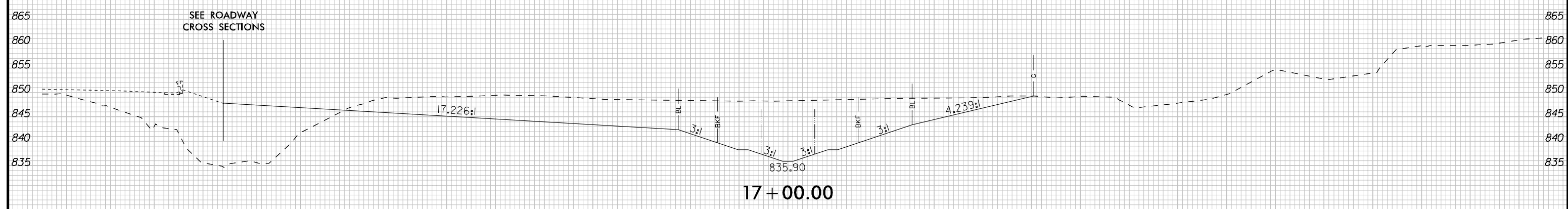
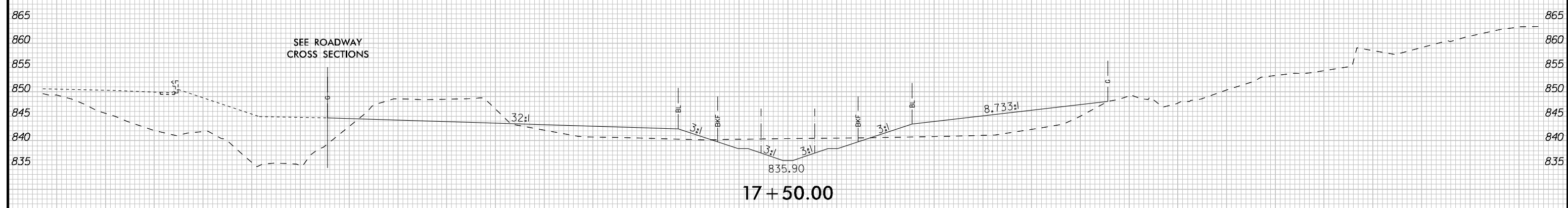
130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

8/23/99



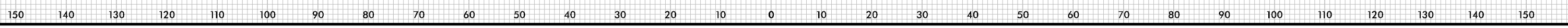
0 5 10		PROJ. REFERENCE NO.	SHEET NO.
		U-2579BA	X-47

NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



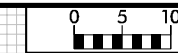
-SMITH CREEK-

1/22/2020



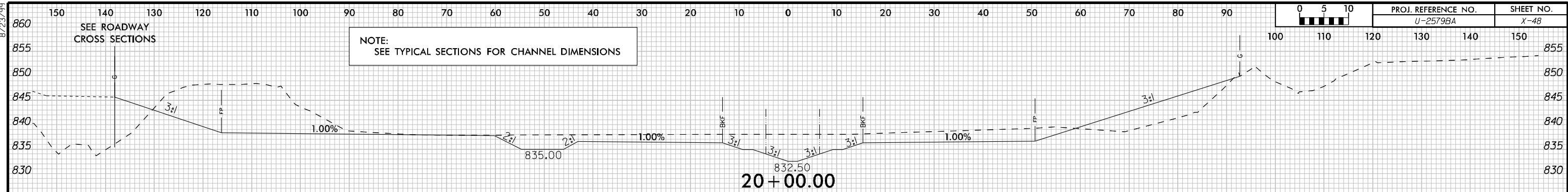
8/23/99

1/22/2020

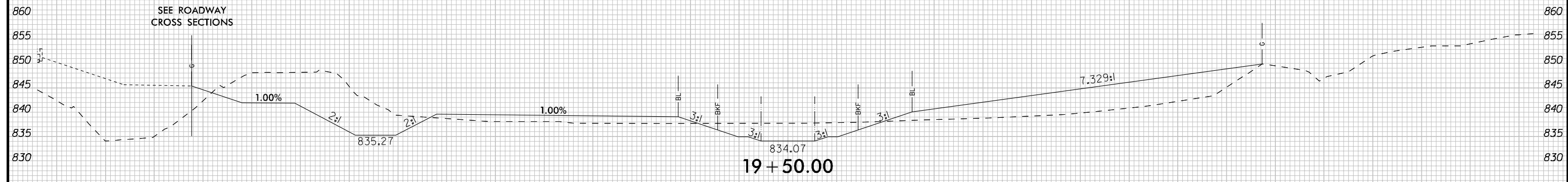


PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-48
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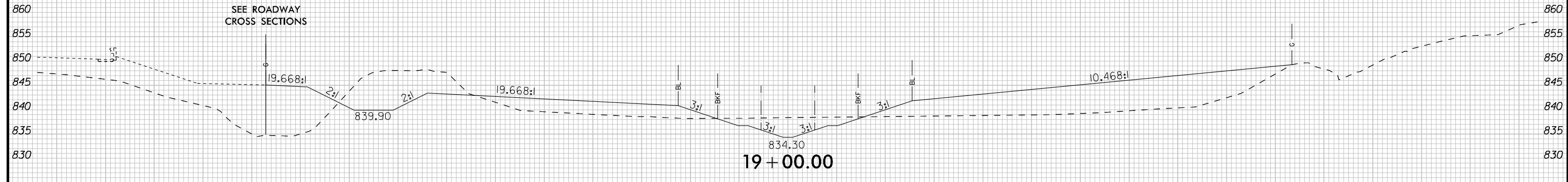
NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



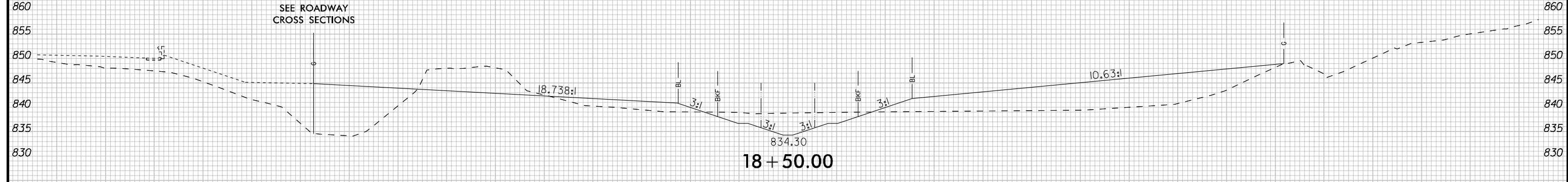
20+00.00



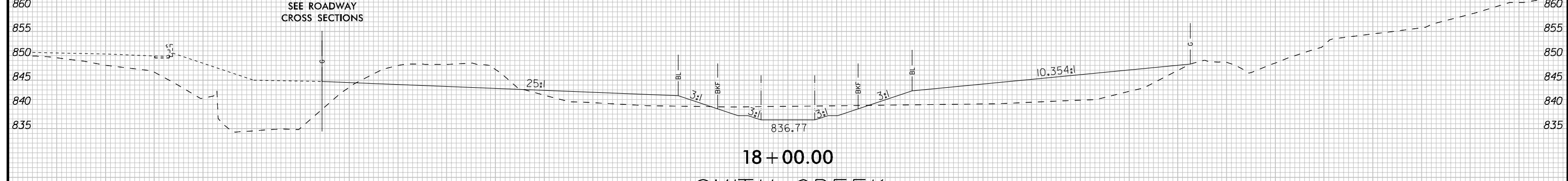
19+50.00



19+00.00



18+50.00

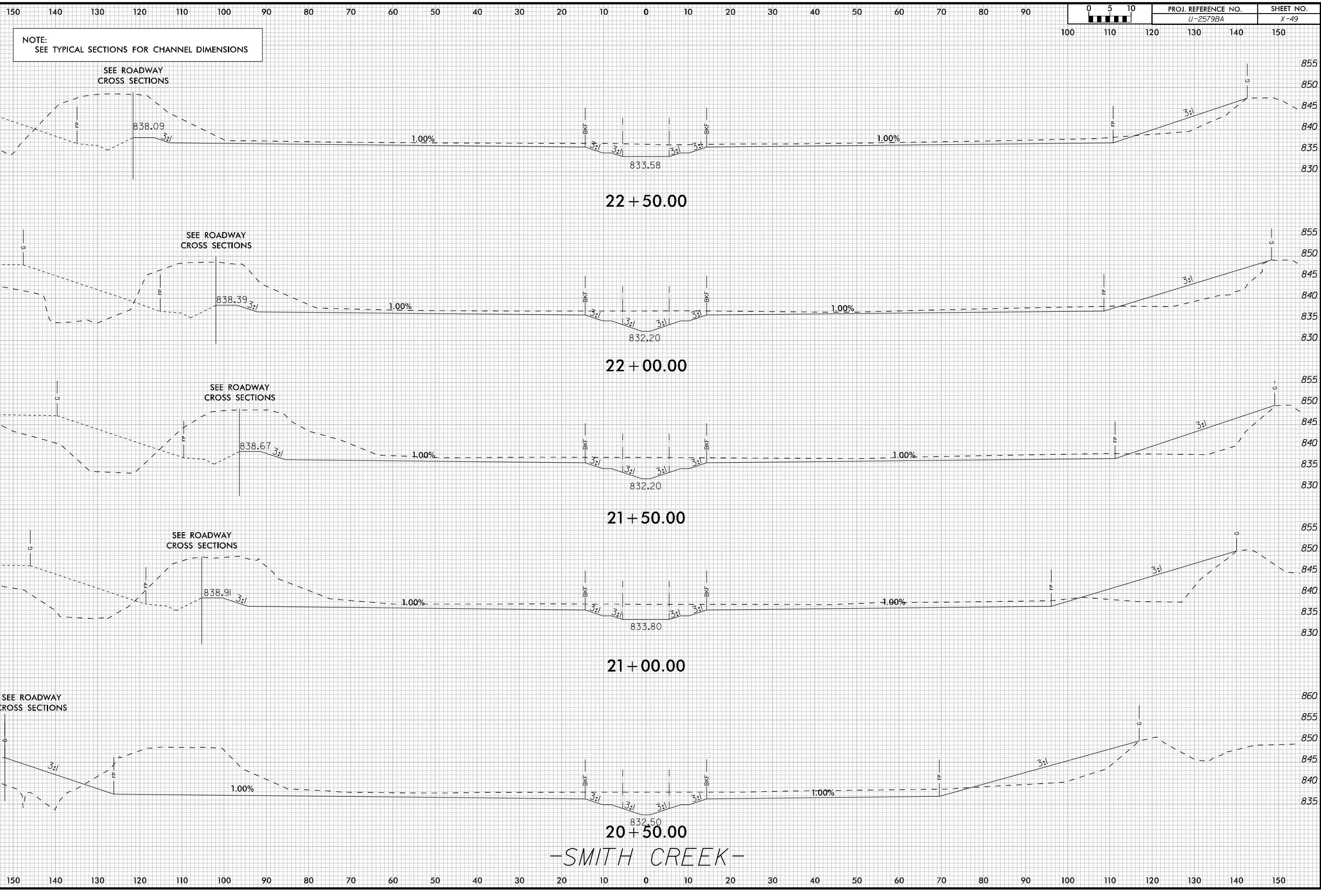


18+00.00

-SMITH CREEK-

8/23/99

1/22/2020



NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS

SEE ROADWAY
CROSS SECTIONS

838.09

22+50.00

SEE ROADWAY
CROSS SECTIONS

838.39

22+00.00

SEE ROADWAY
CROSS SECTIONS

838.67

21+50.00

SEE ROADWAY
CROSS SECTIONS

838.91

21+00.00

SEE ROADWAY
CROSS SECTIONS

20+50.00

-SMITH CREEK-

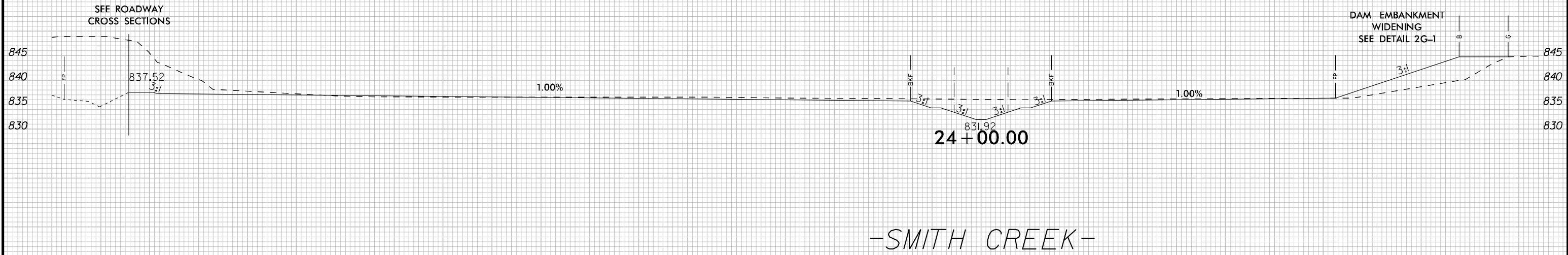
0	5	10	PROJ. REFERENCE NO.	SHEET NO.	
[Scale bar]			U-2579BA	X-49	
100	110	120	130	140	150

8/23/99

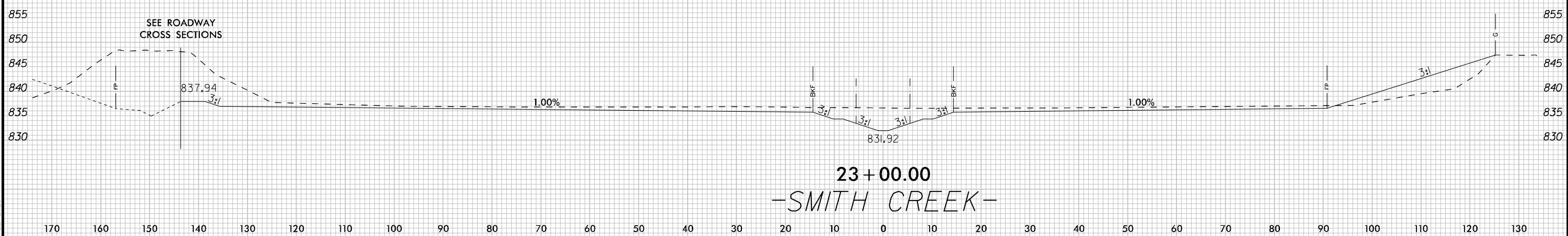
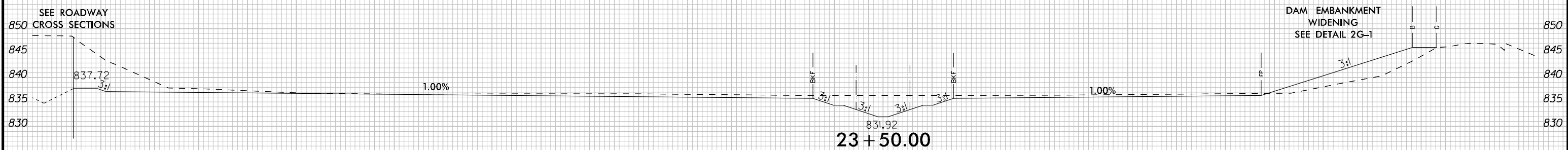
190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50

0	5	10	PROJ. REFERENCE NO.	SHEET NO.	
[Scale Bar]			U-2579BA	X-50	
60	70	80	90	100	110

NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110
170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130



170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

1/22/2020

8/23/99

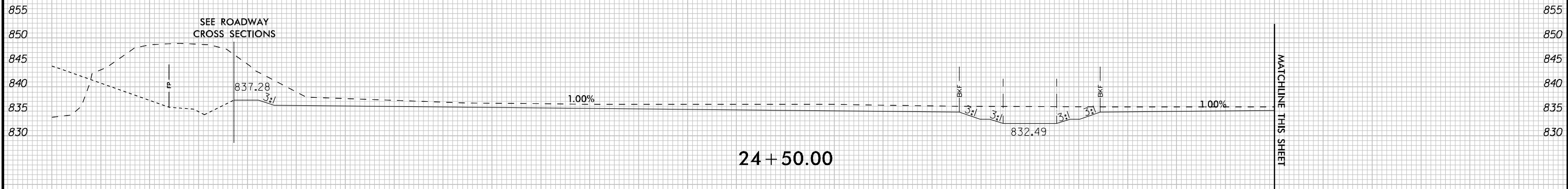
200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40



PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-51
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50

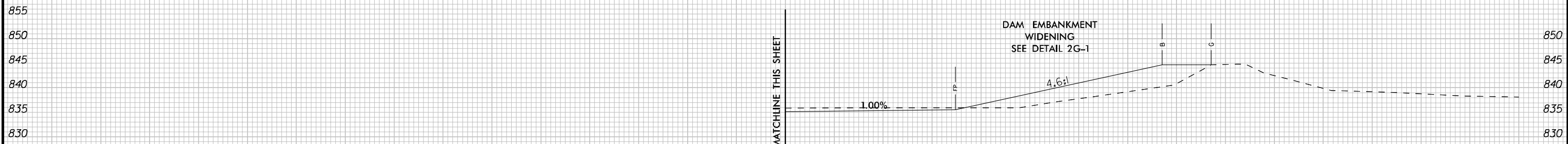
NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



24 + 50.00

200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50

50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200



24 + 50.00

-SMITH CREEK-

50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200

1/22/2020

8/23/99

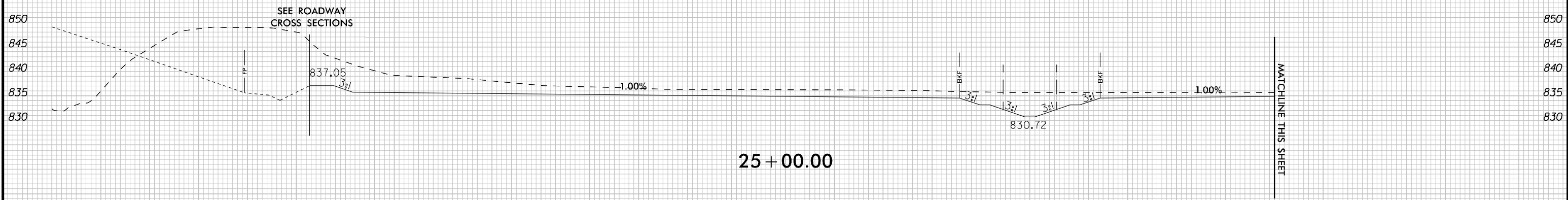
200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40



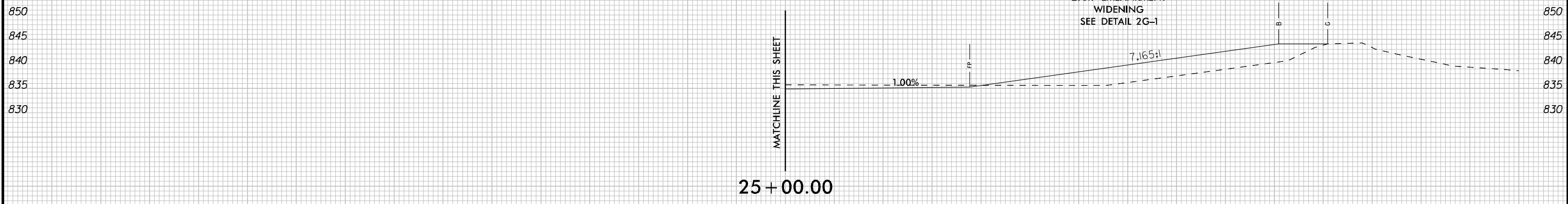
PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-52
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50

NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200



-SMITH CREEK-

50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200

1/22/2020

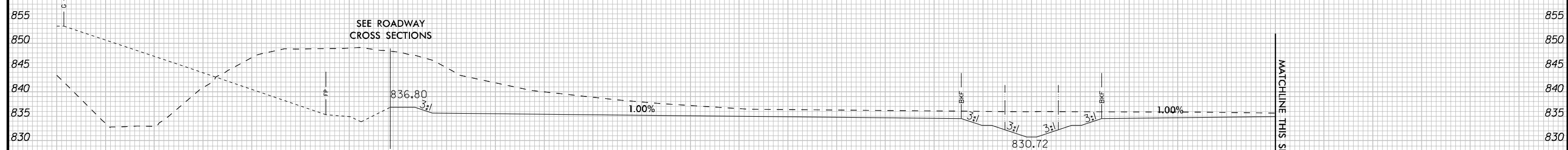
8/23/99

200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40



PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-53
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NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



SEE ROADWAY
CROSS SECTIONS

836.80

1.00%

830.72

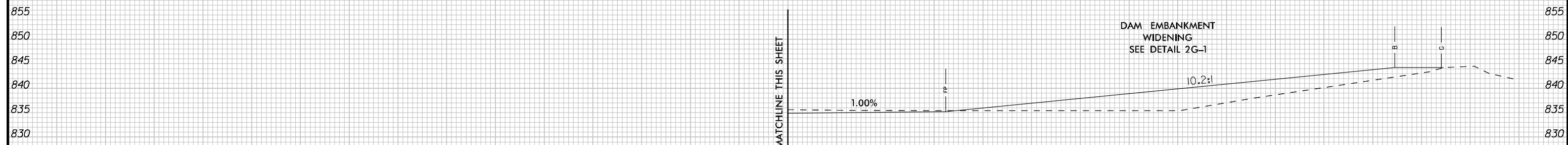
1.00%

25 + 50.00

MATCHLINE THIS SHEET

200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50

50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200



DAM EMBANKMENT
WIDENING
SEE DETAIL 2G-1

10.2:1

1.00%

25 + 50.00

MATCHLINE THIS SHEET

-SMITH CREEK-

50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200

1/22/2020

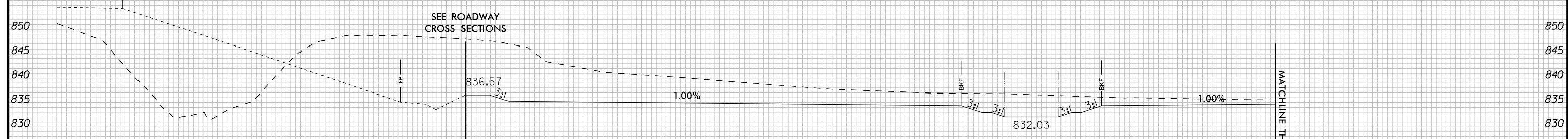
8/23/99

200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40



PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-54
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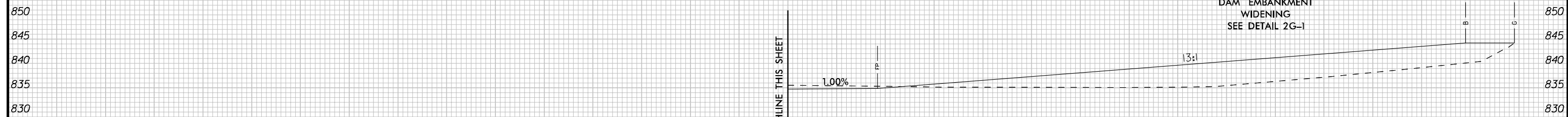
NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



26 + 00.00

200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50

50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200



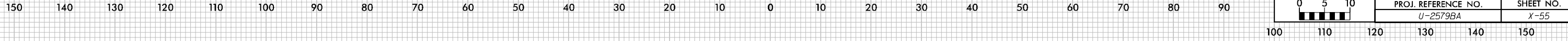
26 + 00.00

-SMITH CREEK-

50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200

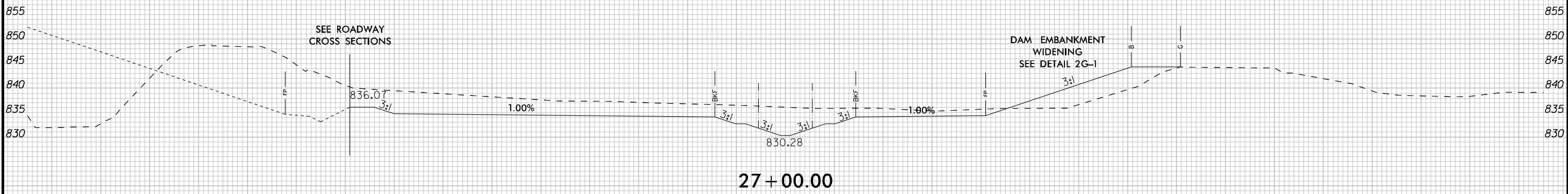
1/22/2020

8/23/99

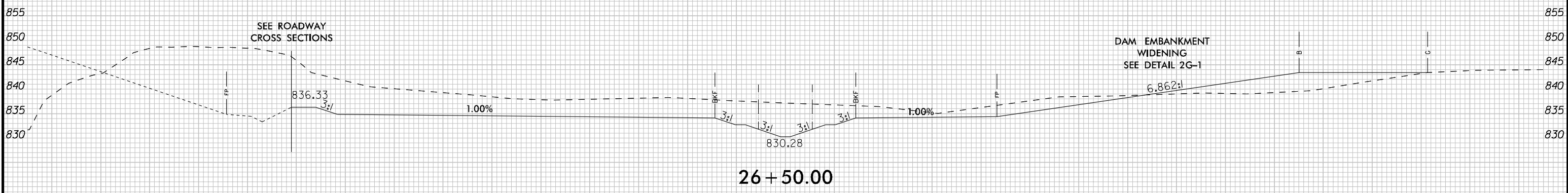


PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-55
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NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



27 + 00.00



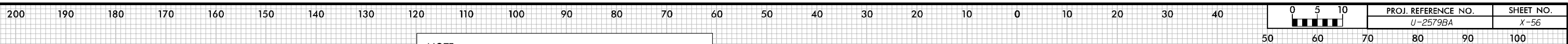
26 + 50.00

-SMITH CREEK-

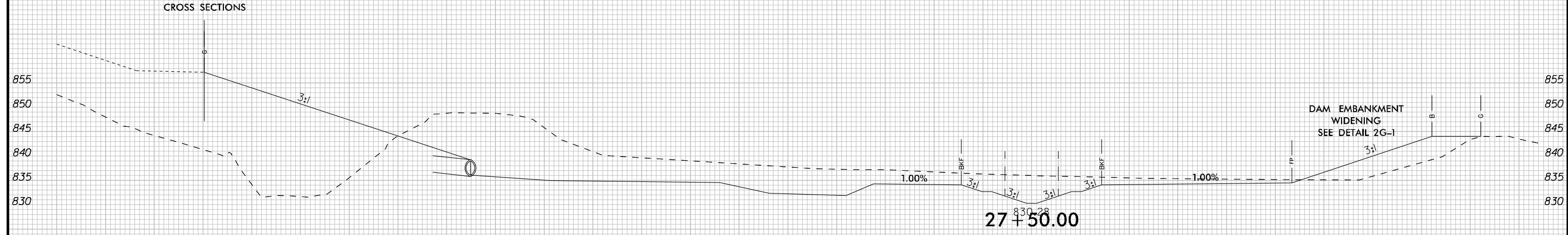
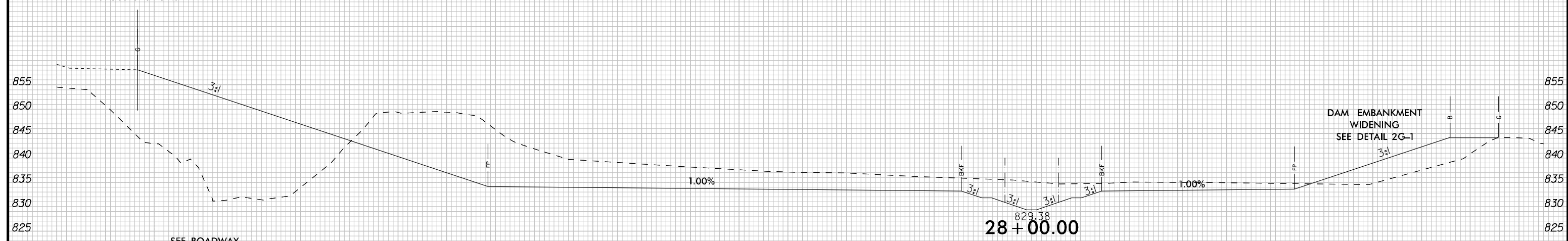
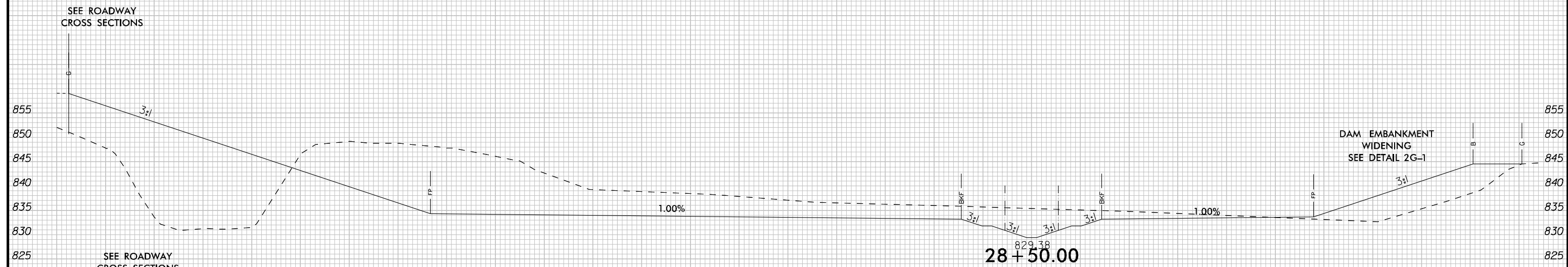
1/22/2020



8/23/99

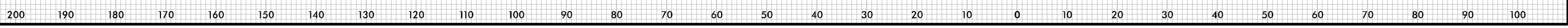


NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



-SMITH CREEK-

1/22/2020



8/23/99

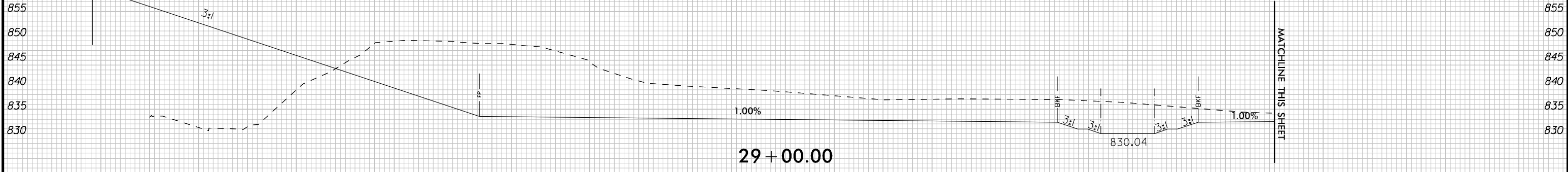
220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20



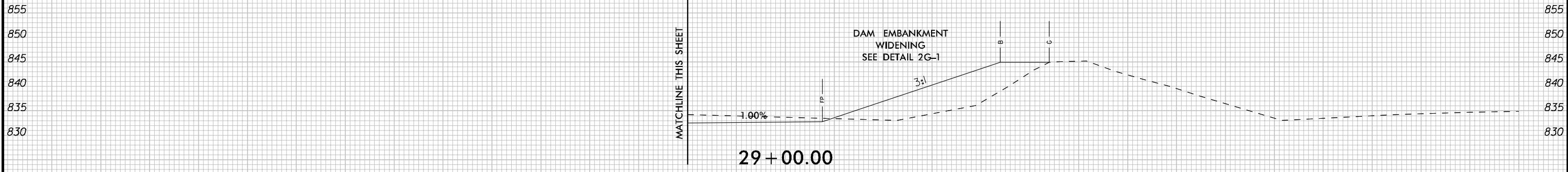
PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-57
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SEE ROADWAY CROSS SECTIONS

NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200



-SMITH CREEK-

30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200

1/22/2020

8/23/99

230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10



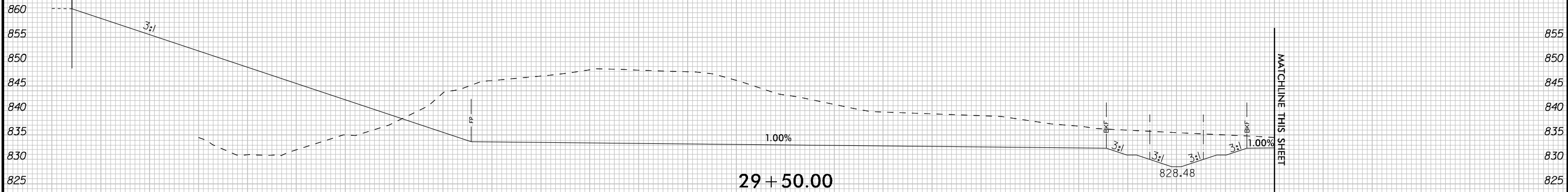
PROJ. REFERENCE NO.
U-2579BA

SHEET NO.
X-58

20

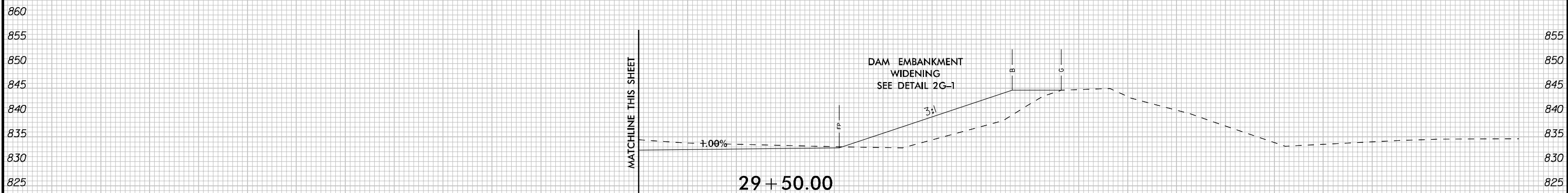
SEE ROADWAY
CROSS SECTIONS

NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200



MATCHLINE THIS SHEET

DAM EMBANKMENT
WIDENING
SEE DETAIL 2G-1

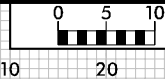
-SMITH CREEK-

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200

1/22/2020

8/23/99

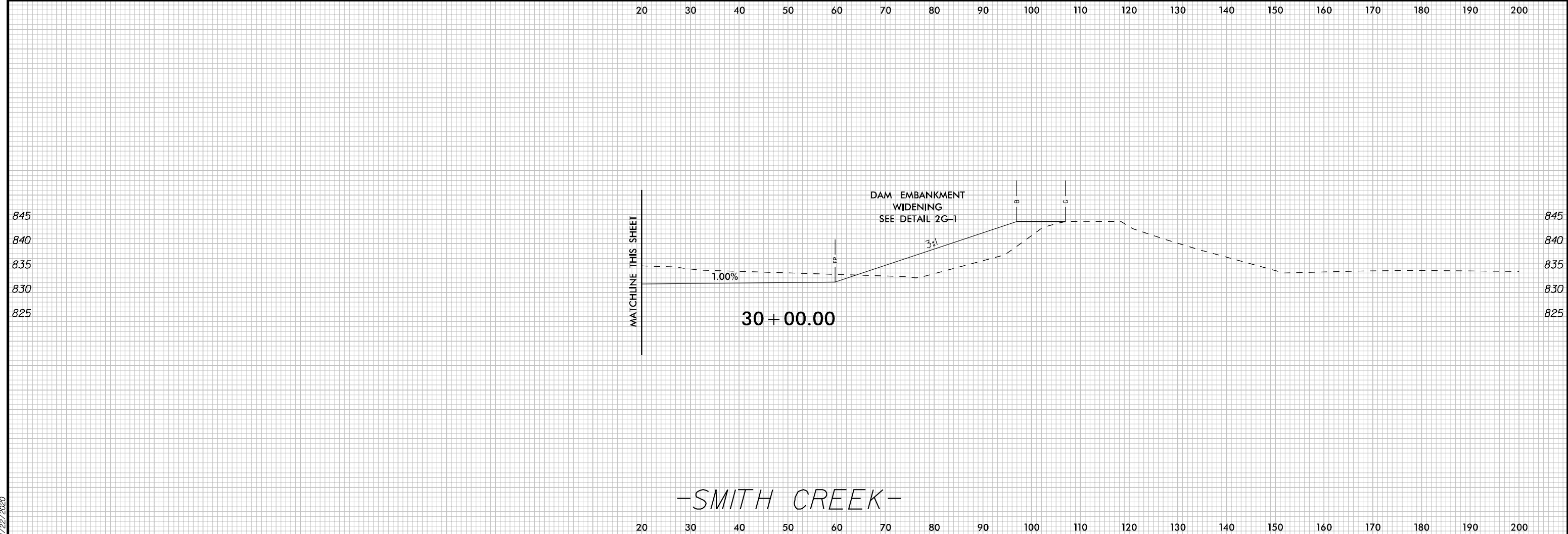
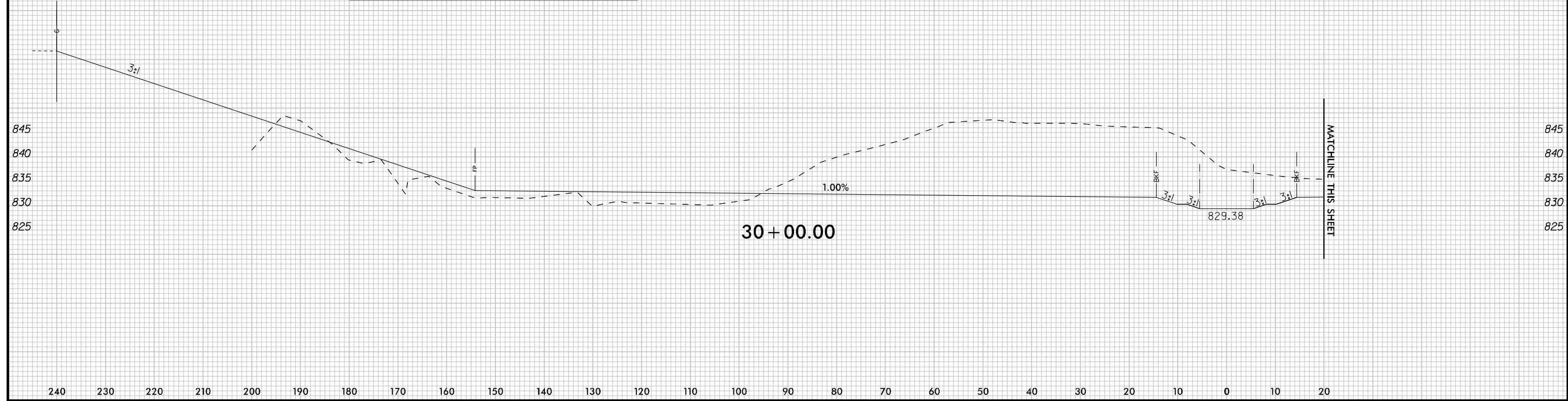
240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0



PROJ. REFERENCE NO. U-2579BA	SHEET NO. X-59
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SEE ROADWAY CROSS SECTIONS

NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



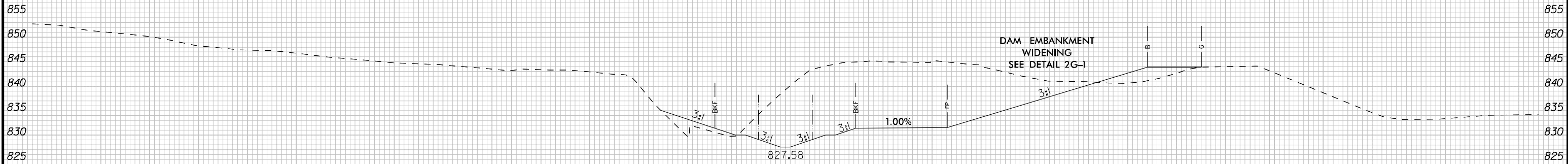
1/22/2020

8/23/99

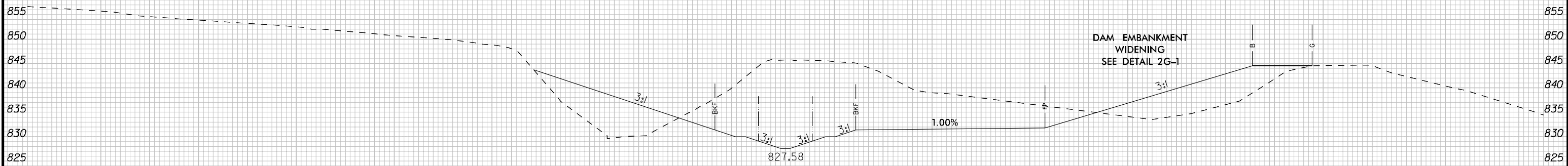
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-2579BA	X-60

NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



31+00.00



30+50.00

-SMITH CREEK-

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

1/22/2020

8/23/99

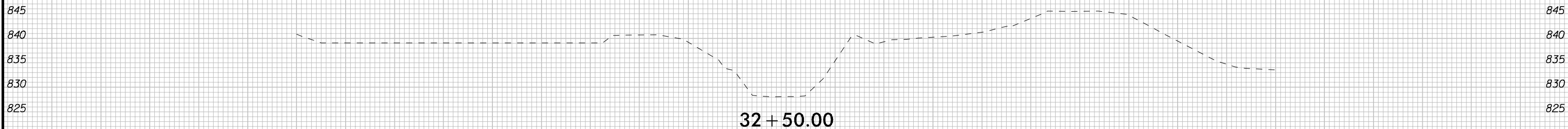
100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90



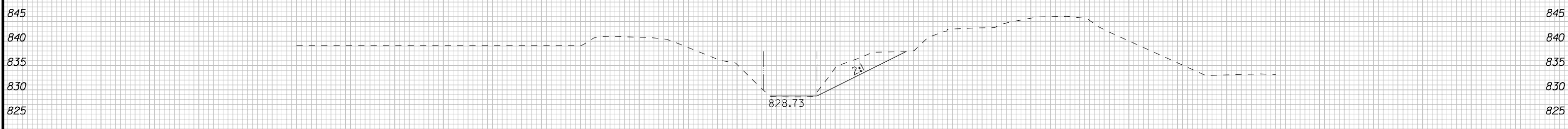
PROJ. REFERENCE NO.	SHEET NO.
U-2579BA	X-61

100

NOTE:
SEE TYPICAL SECTIONS FOR CHANNEL DIMENSIONS



32 + 50.00



32 + 00.00



31 + 50.00

-SMITH CREEK-

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

1/22/2020