

PROJECT REFERENCE NO.		SHEET NO.
I-5898		X-1
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
10/20/2025 046062 SEAL PROFESSIONAL ENGINEER NORTH CAROLINA CHARLES J. YOUNG		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

CROSS SECTIONS

INDEX OF CROSS SECTION SHEETS

CROSS SECTION SUMMARY SHEET

-L-

-Y-

-RP A-

-RP B-

-RP C-

-RP D-

-Y2-

-Y3-

-Y4-

X-1

X-1A

X-2 THRU X-30

X-31 THRU X-45

X-46 THRU X-49

X-50 THRU X-53

X-54 THRU X-58

X-59 THRU X-64

X-65

X-66

X-67

REVISIONS

PROJECT NO.	I-5898
SHEET NO.	X-1A

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station	Uncl. Exc.	Embt		Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	
L	(cu. yd.)	(cu. yd.)		Y	(cu. yd.)	(cu. yd.)	(cu. yd.)	Ramp_A_Int	(cu. yd.)	(cu. yd.)	Ramp_C_Int	(cu. yd.)	(cu. yd.)	
128+50.00	3	5		121+50.00	23	3004		12+00.00	36	211	16+50.00	0	374	
129+00.00	8	10		122+00.00	21	2765		12+50.00	12	308	17+00.00	0	407	
129+50.00	9	6		122+50.00	8	2179		13+00.00	2	435	17+50.00	0	391	
130+00.00	11	7		123+00.00	0	940		13+50.00	0	618	18+00.00	0	316	
130+50.00	22	9		123+50.00	0	381		14+00.00	0	819	18+50.00	23	218	
131+00.00	31	10		124+00.00	0	880	134	14+50.00	0	1076	19+00.00	48	220	
131+50.00	17	10		124+50.00	0	1031	285	15+00.00	0	1351				
132+00.00	7	8		125+00.00	7	717	258	15+50.00	0	1600	Station	Uncl. Exc.	Embt	
132+50.00	11	5		125+50.00	7	472	172	16+00.00	0	1760	Ramp_D_Int	(cu. yd.)	(cu. yd.)	
133+00.00	15	7		126+00.00	4	271	51	16+50.00	0	1897	10+00.00	0	0	
133+50.00	14	11		126+50.00	13	92		17+00.00	0	2139	10+50.00	50	23	
134+00.00	10	6		127+00.00	33	29					11+00.00	39	58	
134+50.00	9	3		127+50.00	46	29		Station	Uncl. Exc.	Embt	11+50.00	41	76	
135+00.00	7	7	128+00.00	53	32		Ramp_B_Int	(cu. yd.)	(cu. yd.)	12+00.00	63	77		
135+50.00	4	9	128+50.00	79	22					12+50.00	65	94		
				129+00.00	113	15		10+00.00	0	0	13+00.00	44	114	
Station	Uncl. Exc.	Embt	Undercut	129+50.00	151	19		10+50.00	278	23	13+50.00	34	169	
Y	(cu. yd.)	(cu. yd.)	(cu. yd.)	130+00.00	170	31		11+00.00	119	49	14+00.00	23	249	
106+00.00	0	0		130+50.00	88	19		11+50.00	30	61	14+50.00	15	320	
106+50.00	86	0		131+00.00	8	3		12+00.00	27	49	15+00.00	7	374	
107+00.00	114	0		131+50.00	4	70		12+50.00	37	33	15+50.00	1	397	
107+50.00	137	0		132+00.00	3	160		13+00.00	49	28	16+00.00	0	425	
108+00.00	166	1		132+50.00	5	172		13+50.00	68	34	16+50.00	0	478	
108+50.00	165	6		133+00.00	8	156		14+00.00	73	36	17+00.00	0	563	
109+00.00	129	17		Station			Uncl. Exc.	Embt	14+50.00	64	31	17+50.00	0	632
109+50.00	73	38		Y2			(cu. yd.)	(cu. yd.)	15+00.00	38	40	18+00.00	0	655
110+00.00	21	70							15+50.00	14	107	18+50.00	0	670
110+50.00	3	75		10+50.00	0	0			16+00.00	3	221	19+00.00	0	688
111+00.00	9	112		11+00.00	255	0			16+50.00	0	360	19+50.00	0	753
111+50.00	33	287		Station			Uncl. Exc.	Embt	17+00.00	0	486	20+00.00	0	831
112+00.00	40	343	63	Y3			(cu. yd.)	(cu. yd.)	17+50.00	0	487	20+50.00	0	904
112+50.00	19	357	77						18+00.00	1	331	21+00.00	0	807
113+00.00	2	447	95	12+00.00	0	0			18+50.00	20	189			
113+50.00	0	451	59	12+50.00	146	7			19+00.00	41	164			
114+00.00	0	469	12	Station			Uncl. Exc.	Embt						
114+50.00	0	562		Y4			(cu. yd.)	(cu. yd.)						
115+00.00	0	705												
115+50.00	0	884												
116+00.00	0	1287		10+50.00	0	0								
116+50.00	0	1269	185	11+00.00	65	22								
117+00.00	0	1387	446	11+50.00	61	15								
117+50.00	0	2292	544	Station			Uncl. Exc.	Embt						
118+00.00	0	2733	569	Ramp_A_Int			(cu. yd.)	(cu. yd.)						
Station	Uncl. Exc.	Embt	Undercut	10+00.00			0	0						
Y	(cu. yd.)	(cu. yd.)	(cu. yd.)	10+50.00			125	31						
120+59.55	0	117		11+00.00			106	61						
121+00.00	10	3538		11+50.00			69	110						

Station	Uncl. Exc.	Embt
Ramp_C_Int	(cu. yd.)	(cu. yd.)
10+00.00	0	0
10+50.00	91	8
11+00.00	54	14
11+50.00	79	15
12+00.00	113	14
12+50.00	98	19
13+00.00	74	31
13+50.00	70	46
14+00.00	58	92
14+50.00	28	144
15+00.00	5	207
15+50.00	0	309
16+00.00	0	356

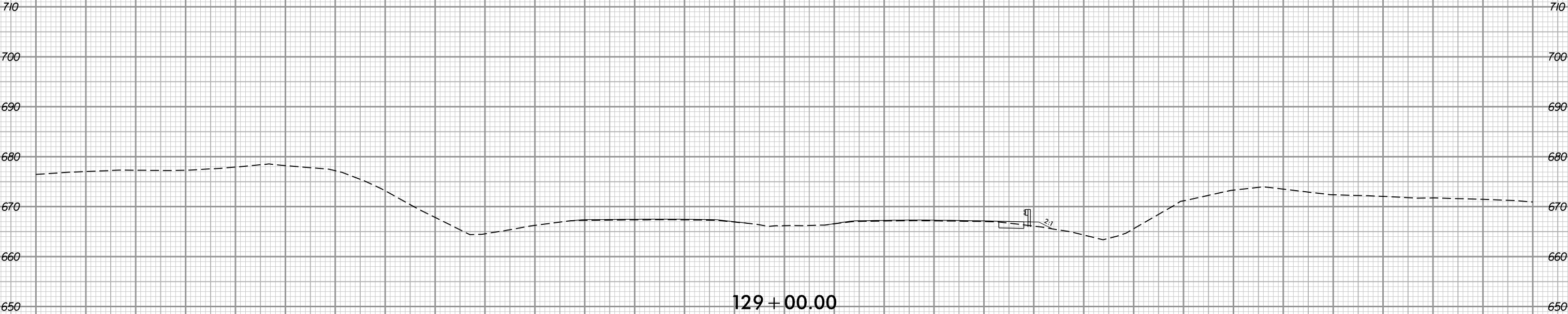
6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
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



129 + 00.00

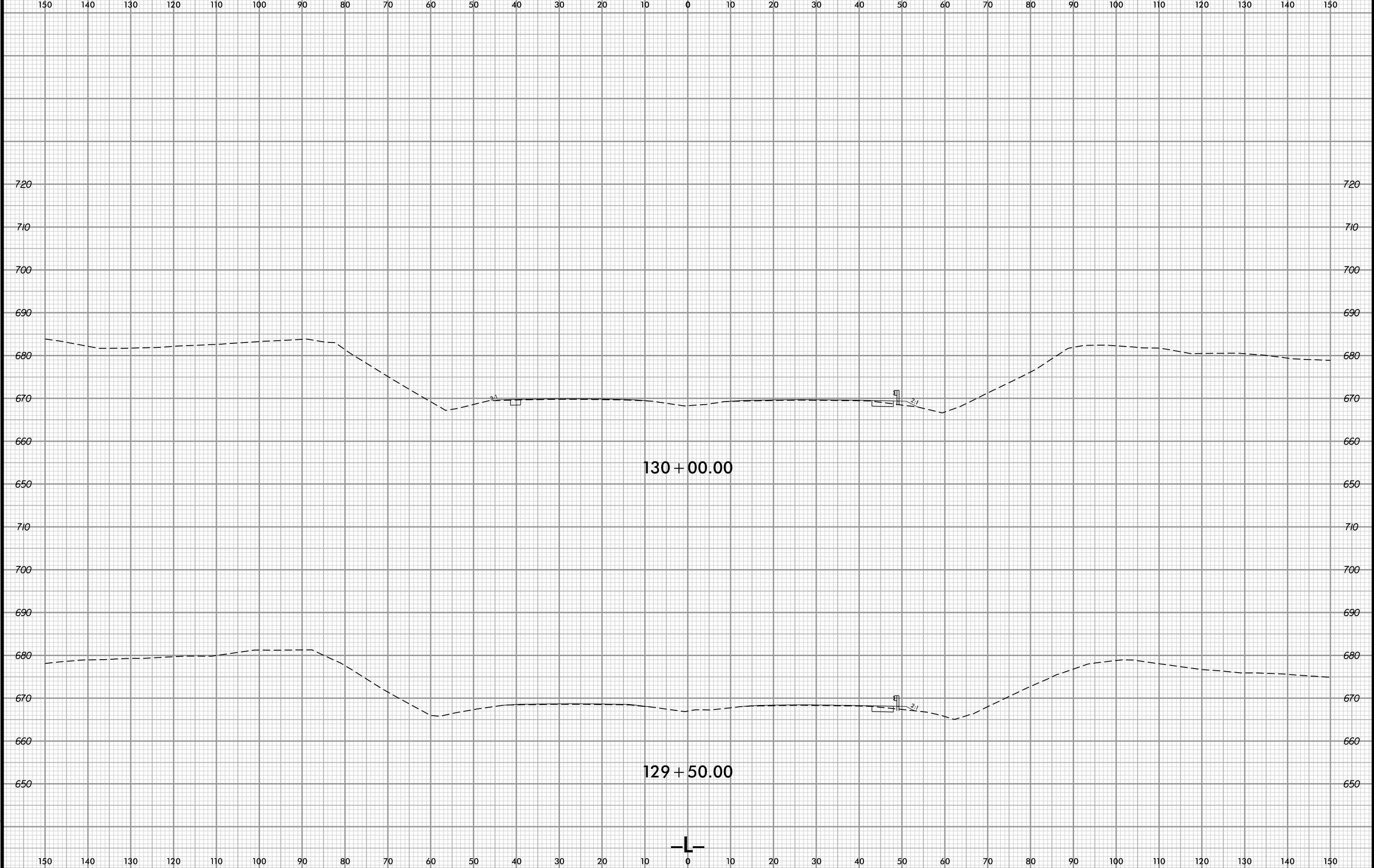


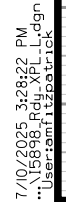
128 + 50.00

BEGIN CONSTRUCTION -L- STA. 128+13.67



7/10/2025 3:28:22 PM
\\15658-R02-XP7-Ldgn
User:amf12patrick



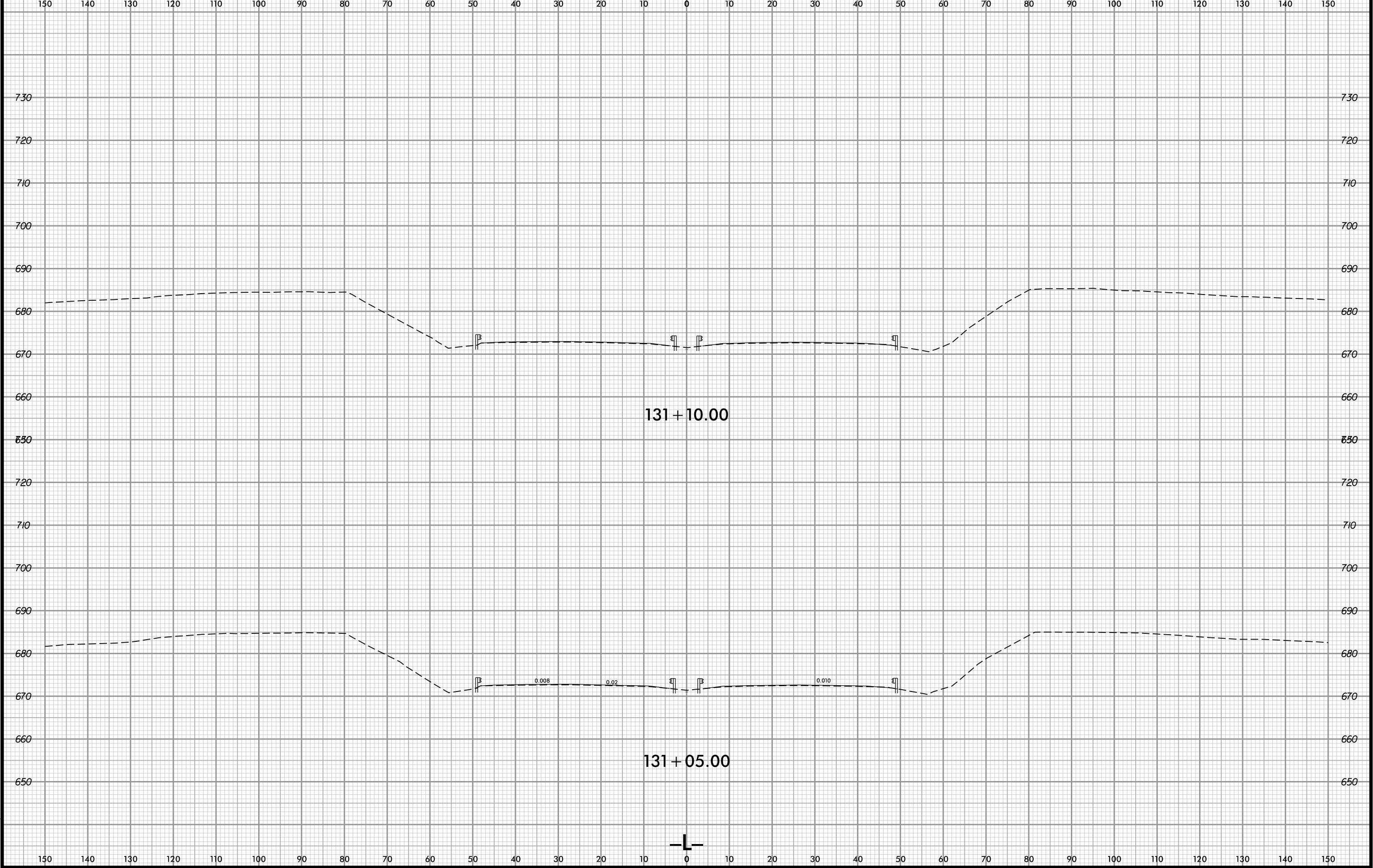


6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
X-5

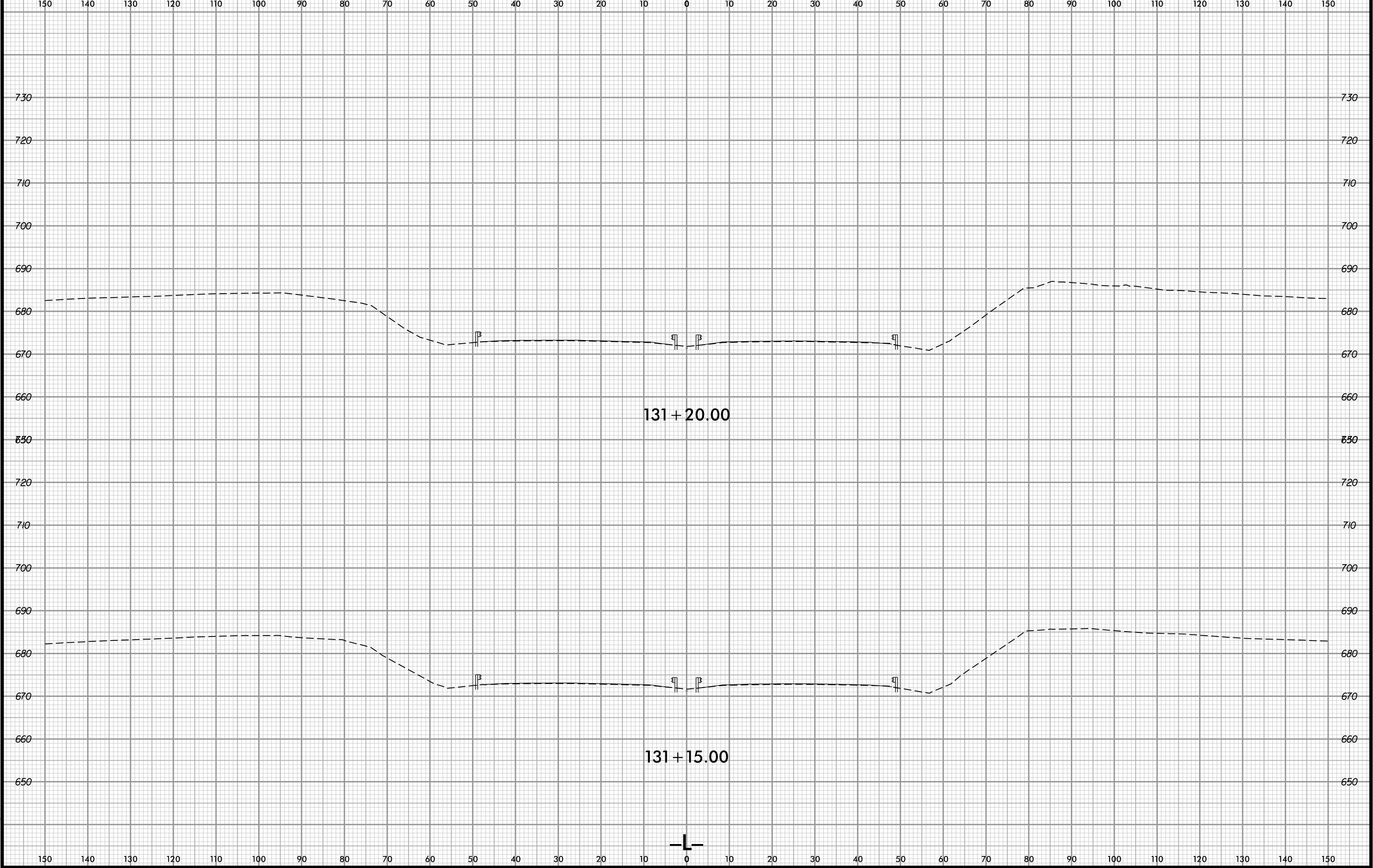


6/23/16



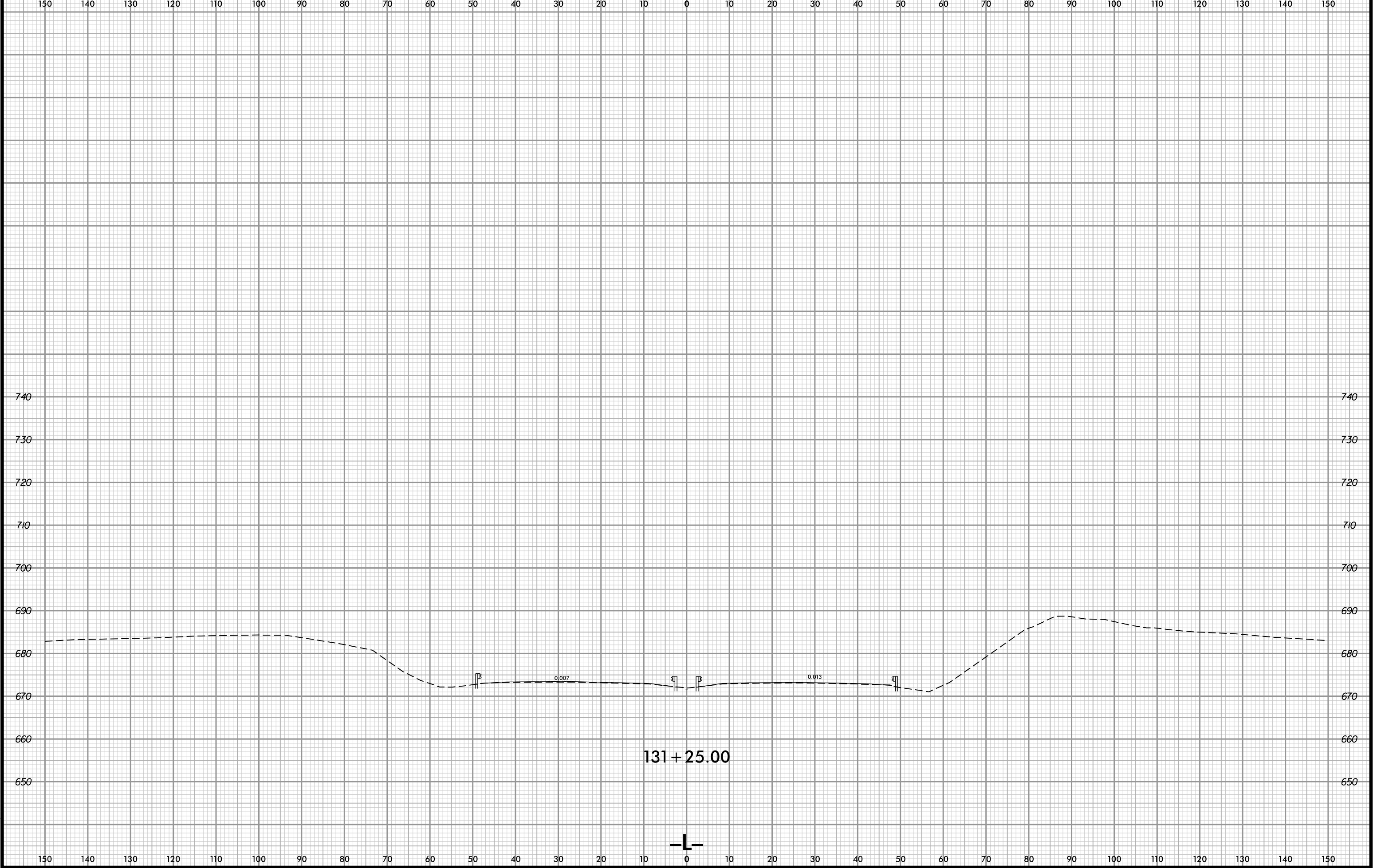
PROJ. REFERENCE NO.
I-5898

SHEET NO.
X-6



6/23/16

05	PROJ. REFERENCE NO.	SHEET NO.
	I-5898	X-7



6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
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

740
730
720
710
700
690
680
670
660
650

740
730
720
710
700
690
680
670
660
650

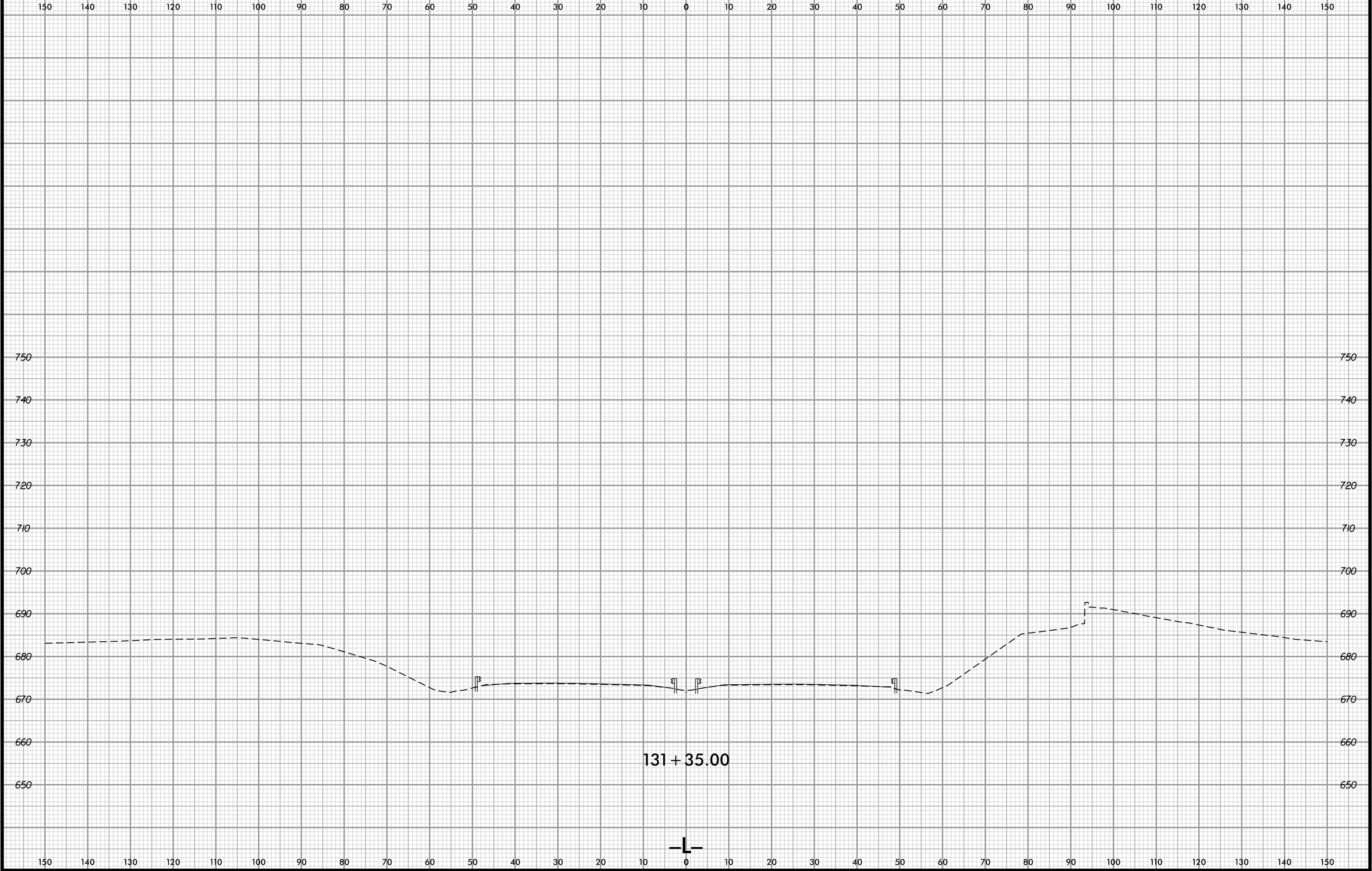
7/10/2025 3:28:22 PM
\\15658-R02-XP7-Ldgn
User:amf1zpatrick

131 + 30.00

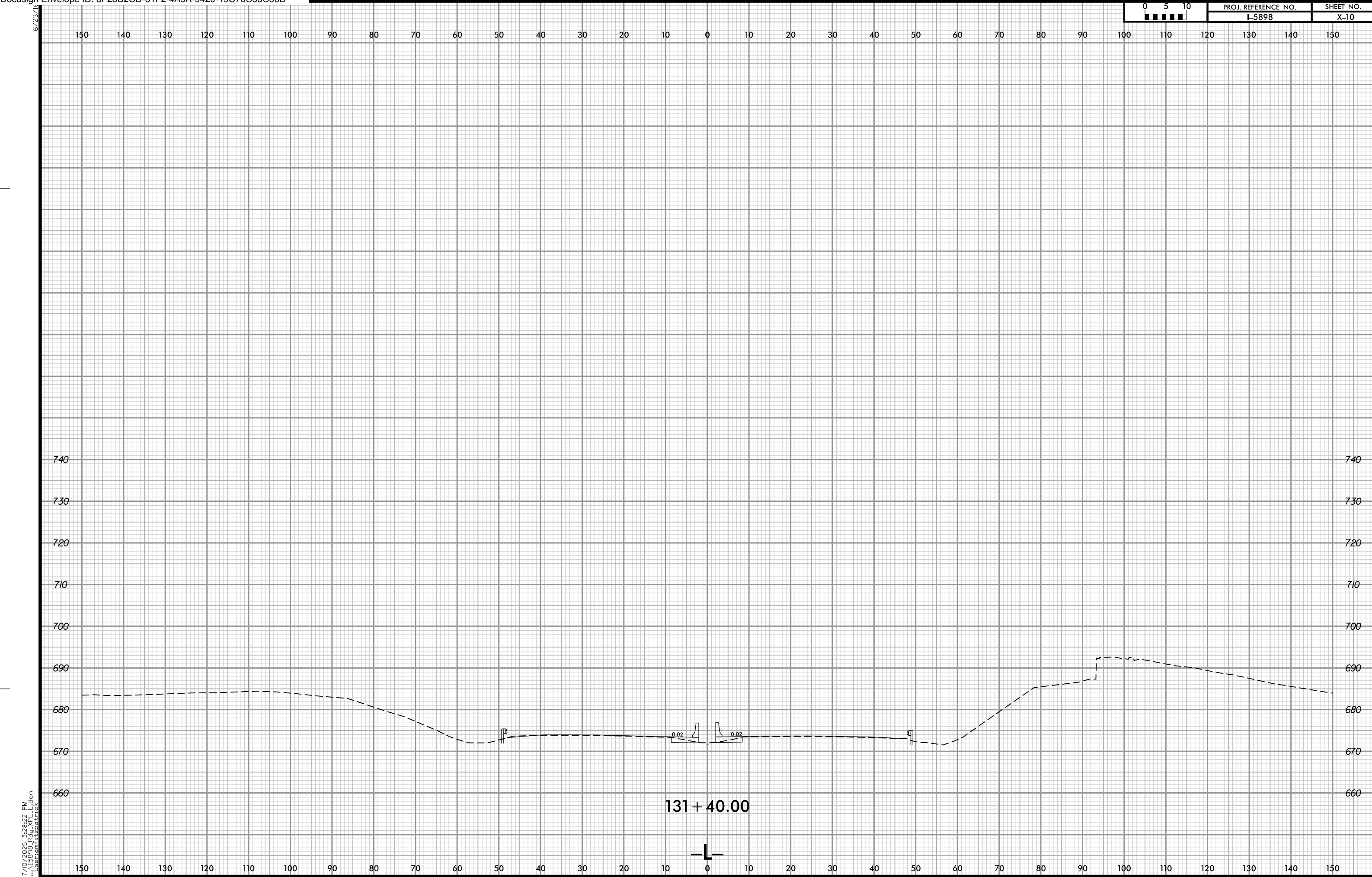


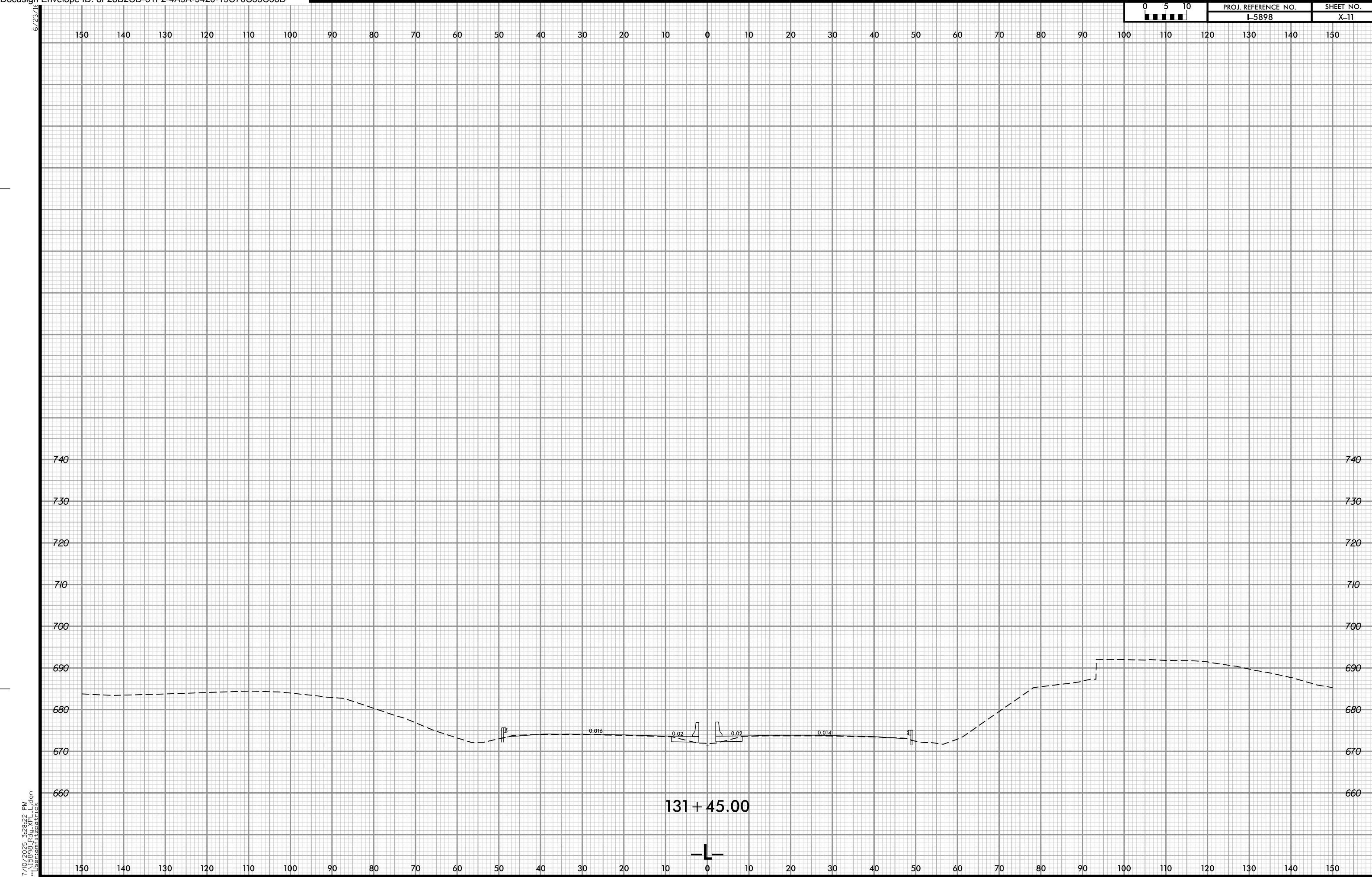
6/23/16

0510	PROJ. REFERENCE NO.	SHEET NO.
	I-5898	X-9



7/10/2025 3:28:22 PM
\\15658-R02-XP7-Ldgn
User:amf12patrick





6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
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

740

730

720

710

700

690

680

670

660

740

730

720

710

700

690

680

670

660

7/10/2025 3:28:22 PM
\\15658-R02-XP7-Ldgn
User:amf12patrick

131 + 50.00



6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
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

740

740

730

730

720

720

710

710

700

700

690

690

680

680

670

670

660

660

131 + 55.00



7/10/2025 3:28:22 PM
\\15658-R02-XP7-Ldgn
User:amf1zpatrick

6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
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

740

730

720

710

700

690

680

670

660

740

730

720

710

700

690

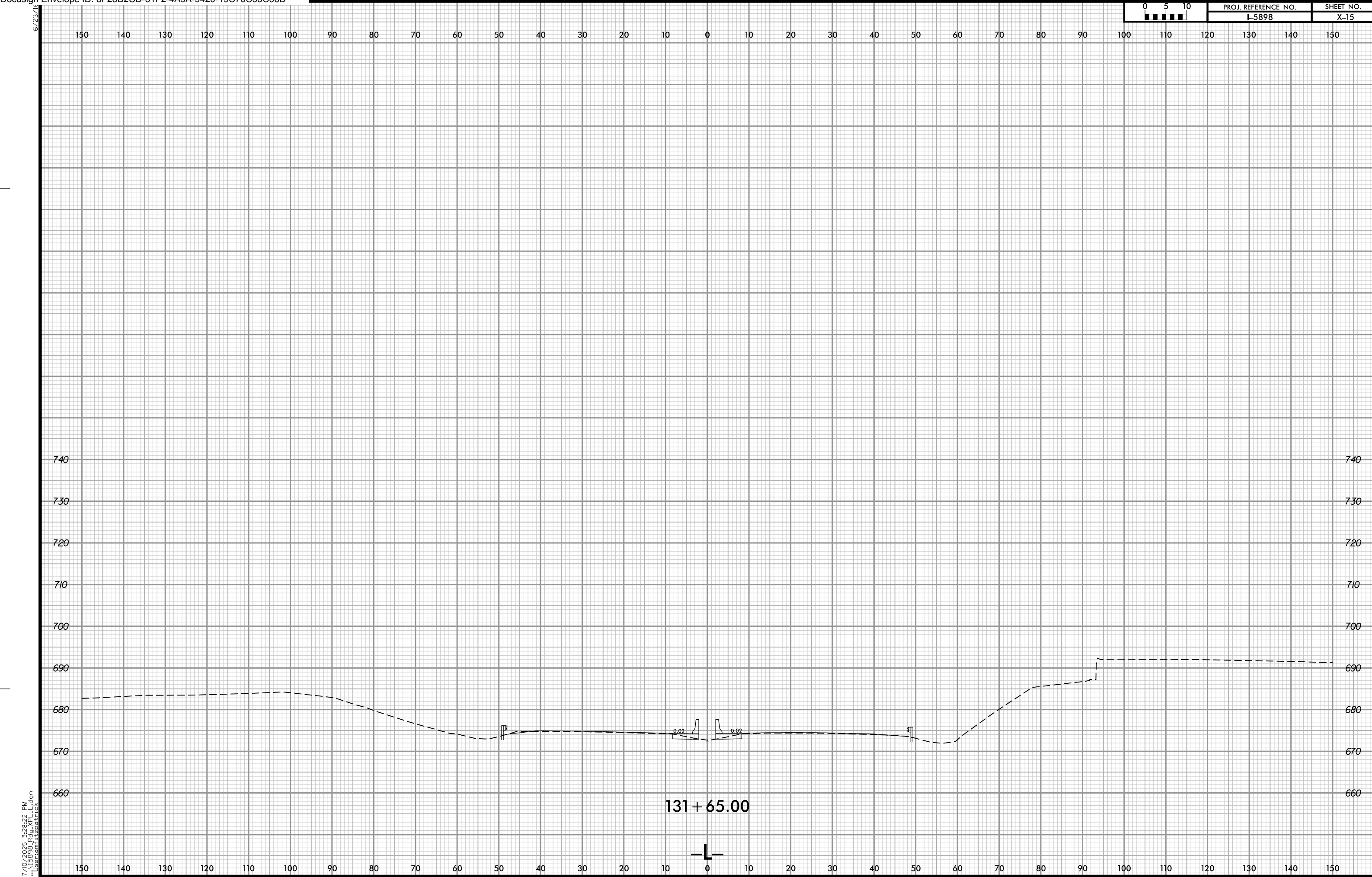
680

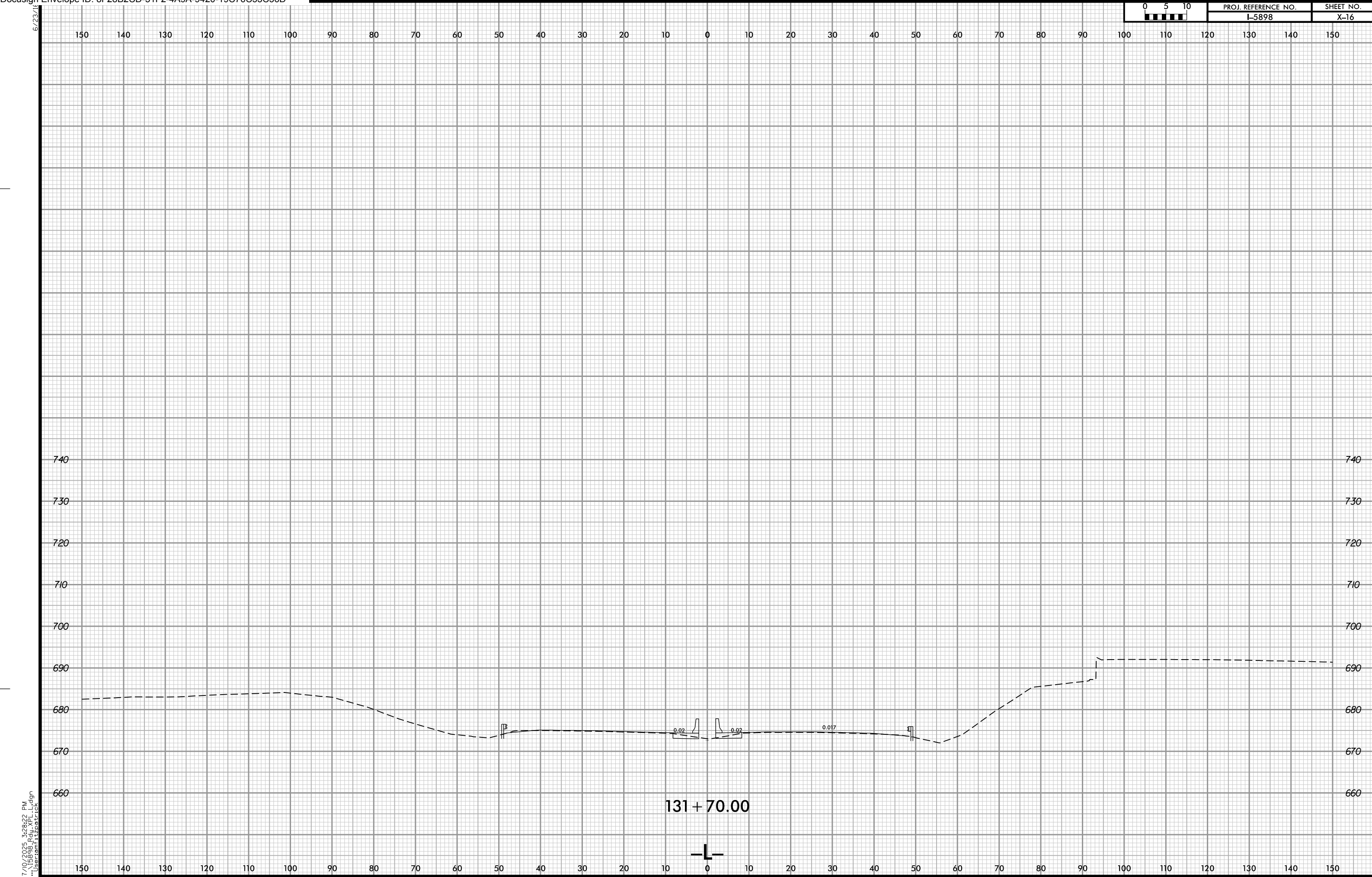
670

660

131 + 60.00







6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
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

740

730

720

710

700

690

680

670

660

740

730

720

710

700

690

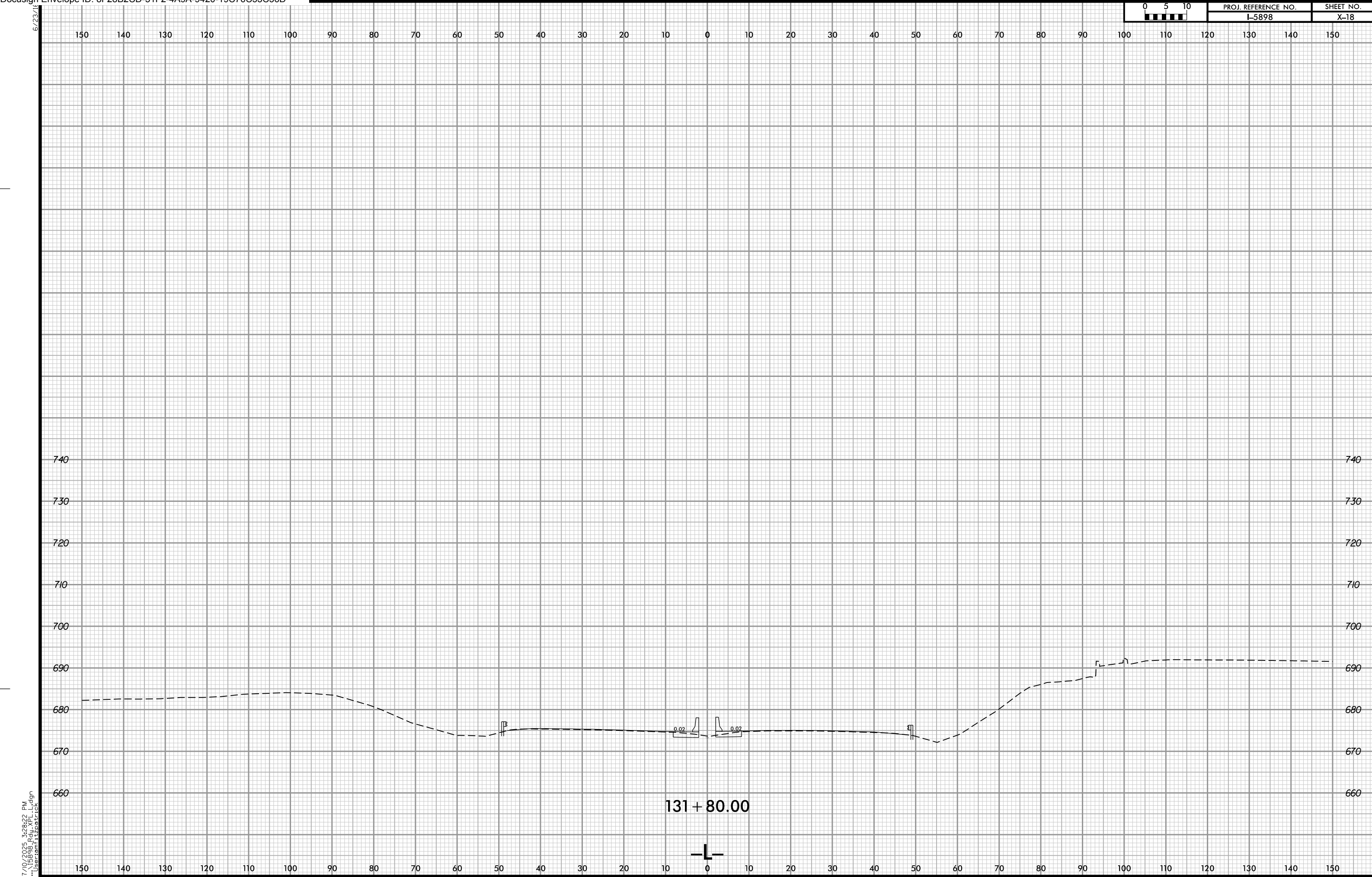
680

670

660

131 + 75.00





6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
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

740

740

730

730

720

720

710

710

700

700

690

690

680

680

670

670

660

660

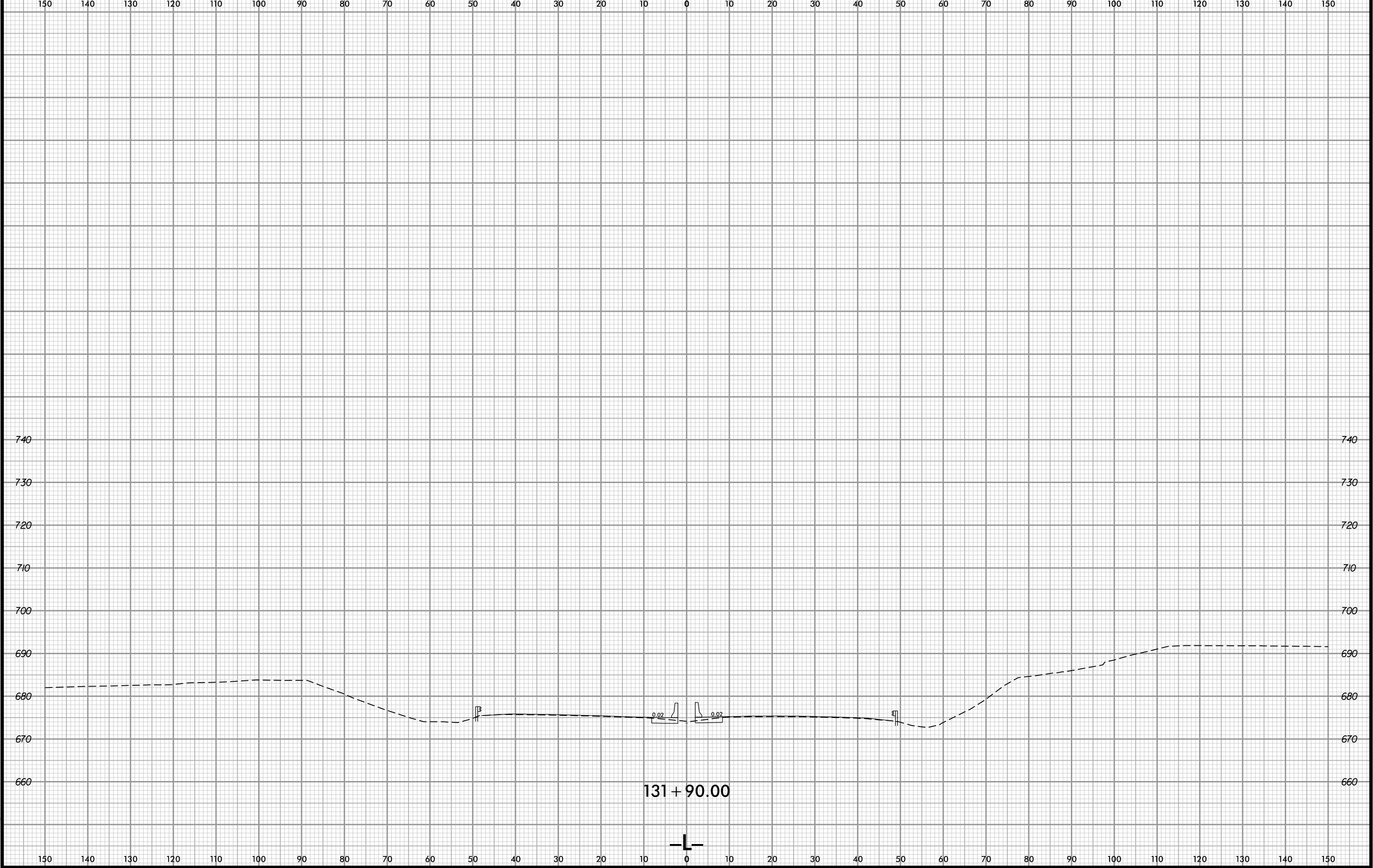
131 + 85.00

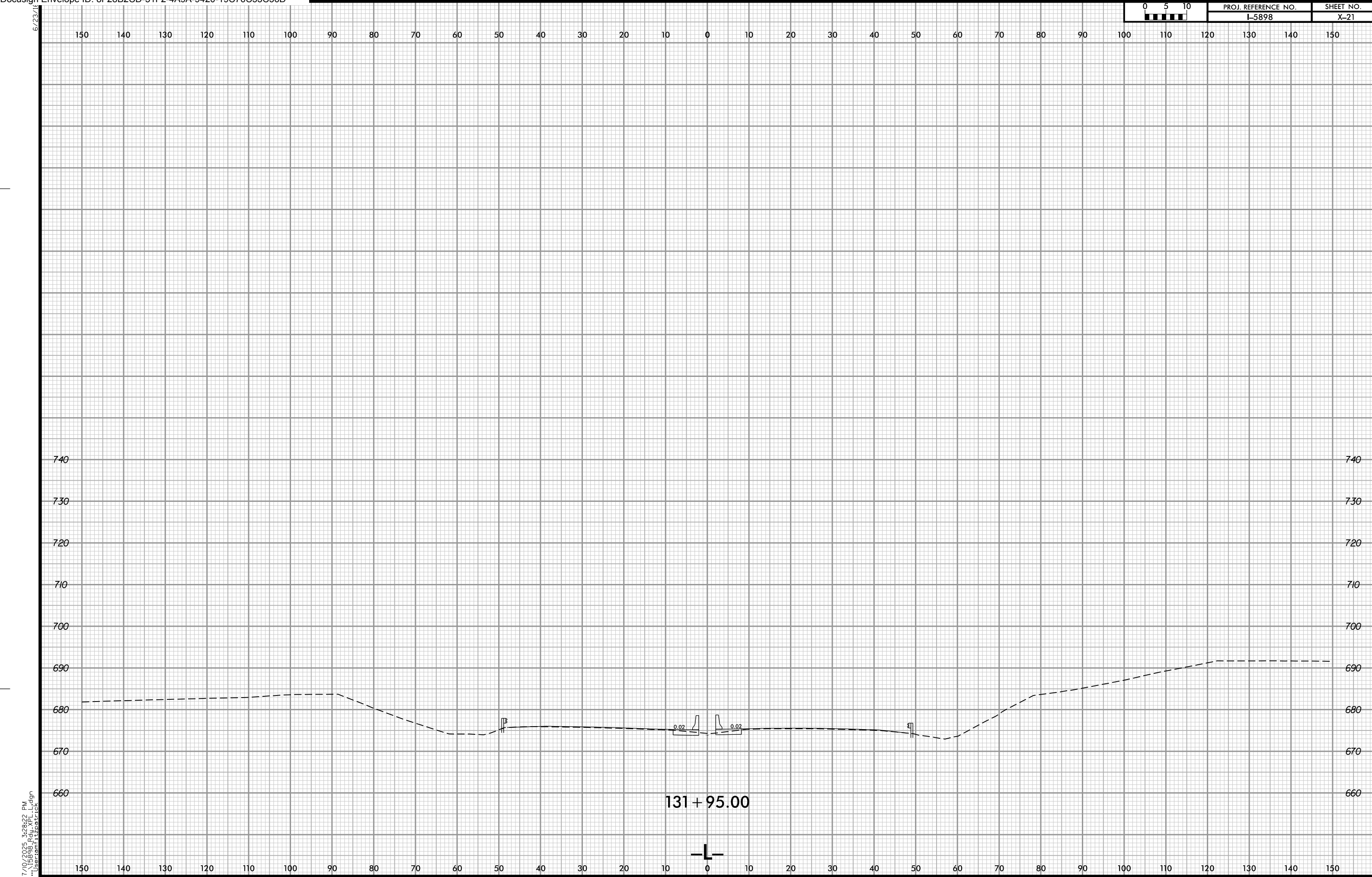


7/10/2025 3:28:22 PM
\\15658-R2-XP7-Ldgn
User:amf12patrick

6/23/16

0510	PROJ. REFERENCE NO.	SHEET NO.
	I-5898	X-20





6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
X-22

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

740

730

720

710

700

690

680

670

660

740

730

720

710

700

690

680

670

660

2.1

B

0.02

0.02

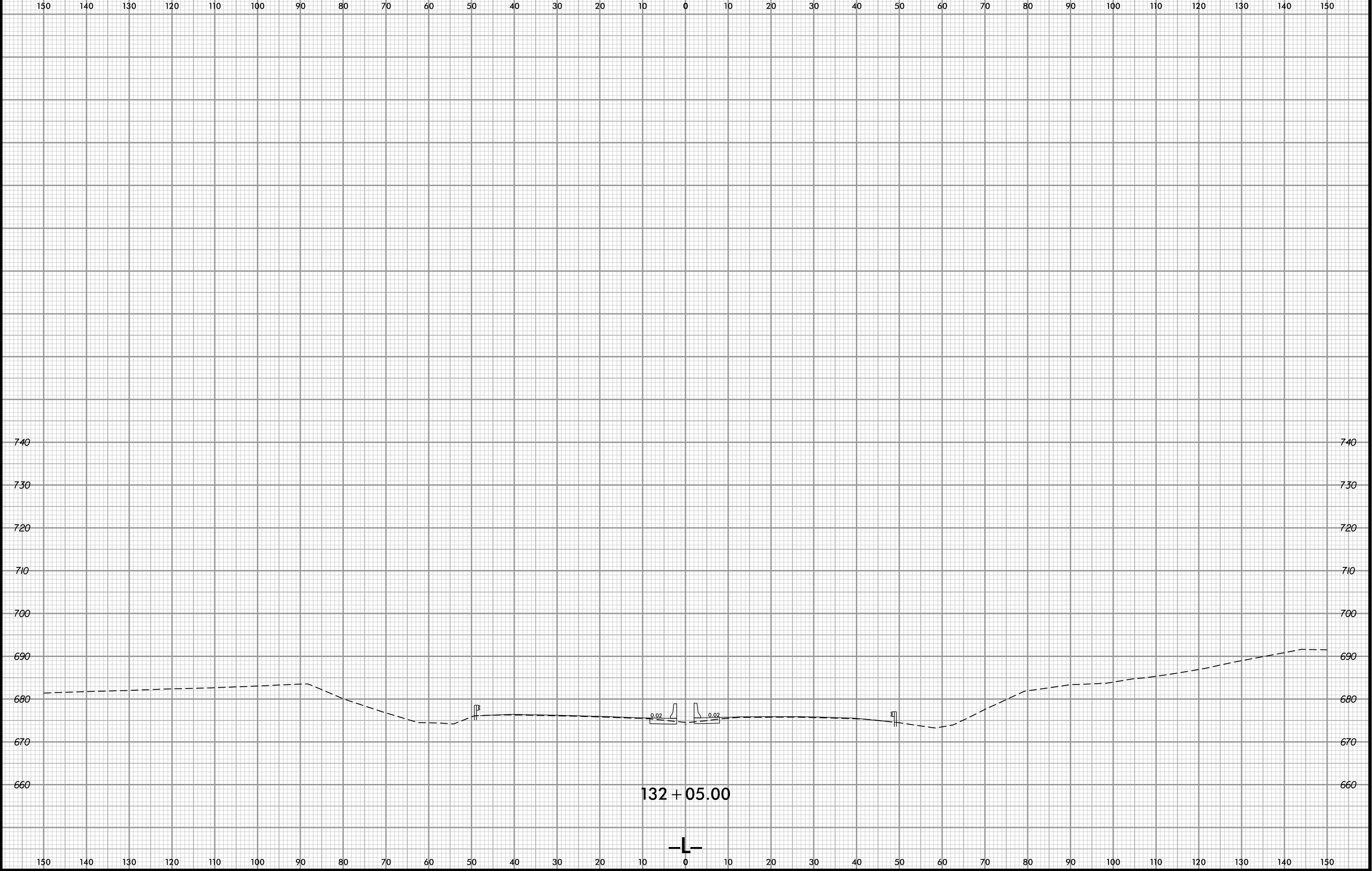
4.1

132 + 00.00



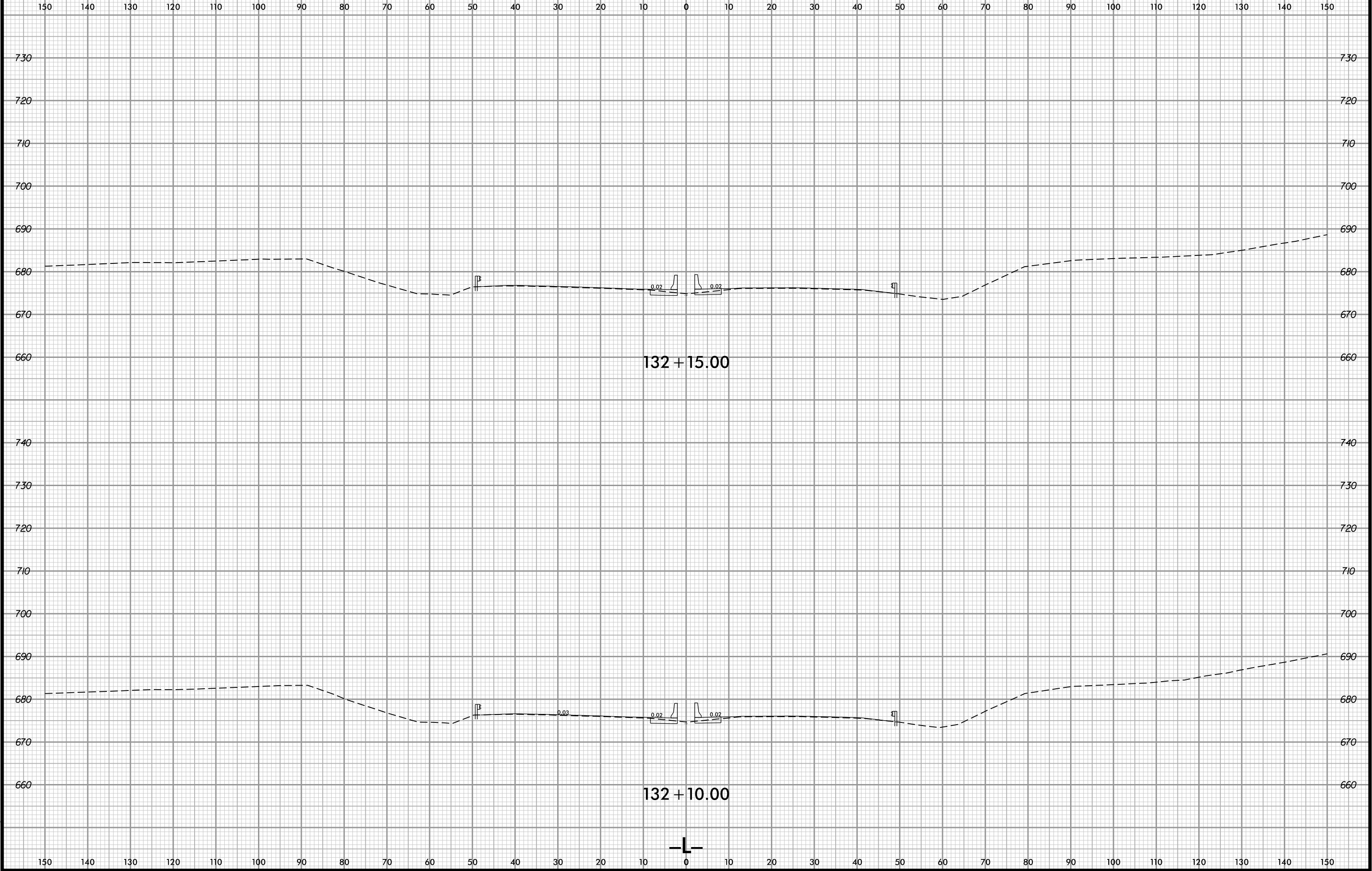
6/23/16

05	PROJ. REFERENCE NO.	SHEET NO.
	I-5898	X-23



7/10/2025 3:28:22 PM
\\15658-R2-XP7-Ldgn
User:amf12patrick

6/23/16

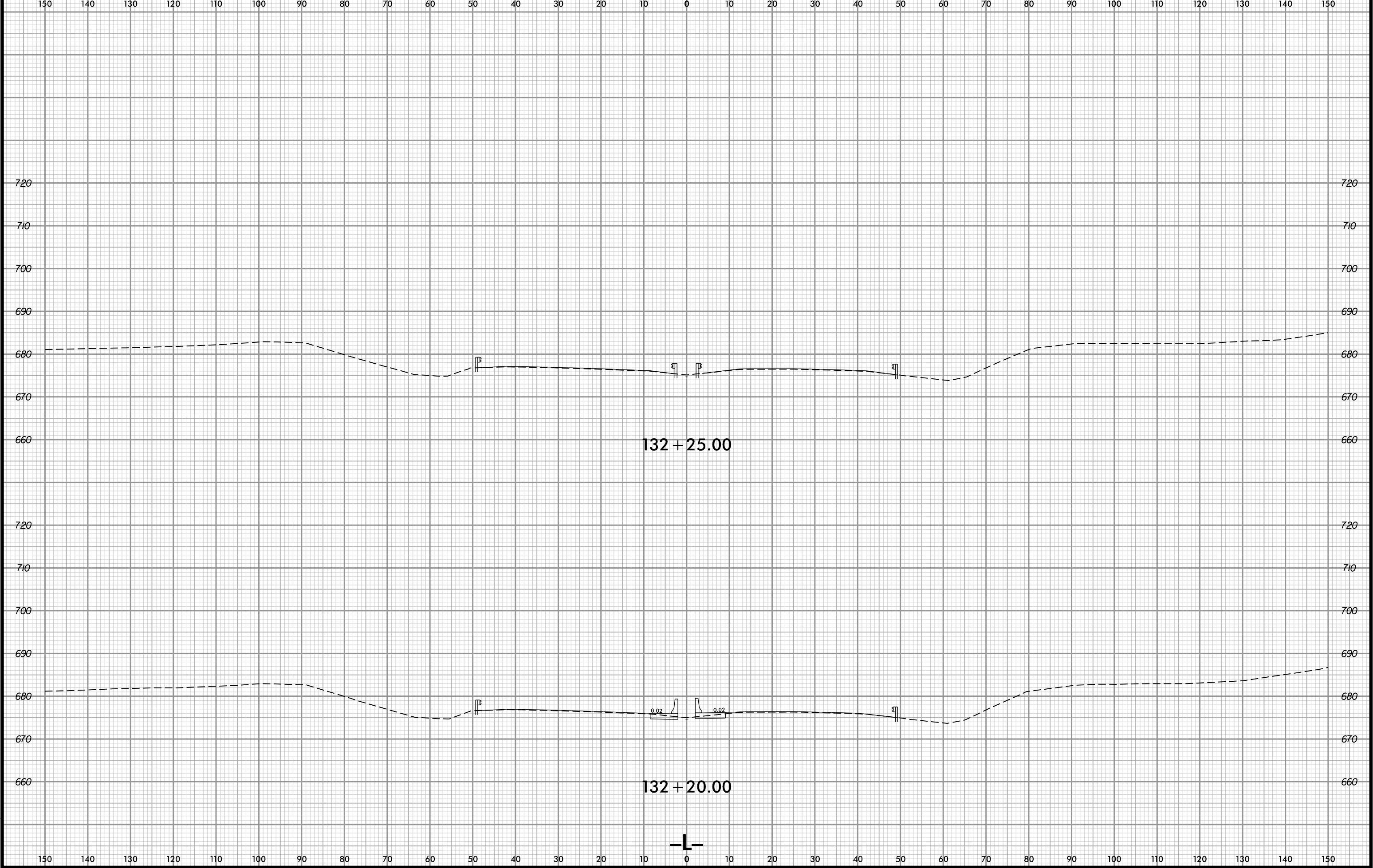


6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
X-25



6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
X-26

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

710

700

690

680

670

660

710

700

690

680

670

660

132 + 35.00

710

700

690

680

670

660

710

700

690

680

670

660

132 + 30.00



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

7/10/2025 3:28:22 PM
\\15658-R02-XP7-Ldgn
User:amf12patrick

6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
X-27

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

710

700

690

680

670

660

132 + 45.00

710

700

690

680

670

660

132 + 40.00



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

6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
X-28

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

710

700

690

680

670

660

132 + 55.00

710

700

690

680

670

660

132 + 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

7/10/2025 3:28:22 PM
\\15658-R02-XP7-Ldgn
User:amf12patrick

6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
X-29

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

700
690
680
670
700
690
680
670
700
690
680
670
700
690
680
670

700
690
680
670
700
690
680
670
700
690
680
670
700
690
680
670

134 + 00.00

133 + 50.00

133 + 00.00

2:1

2:1

2:1

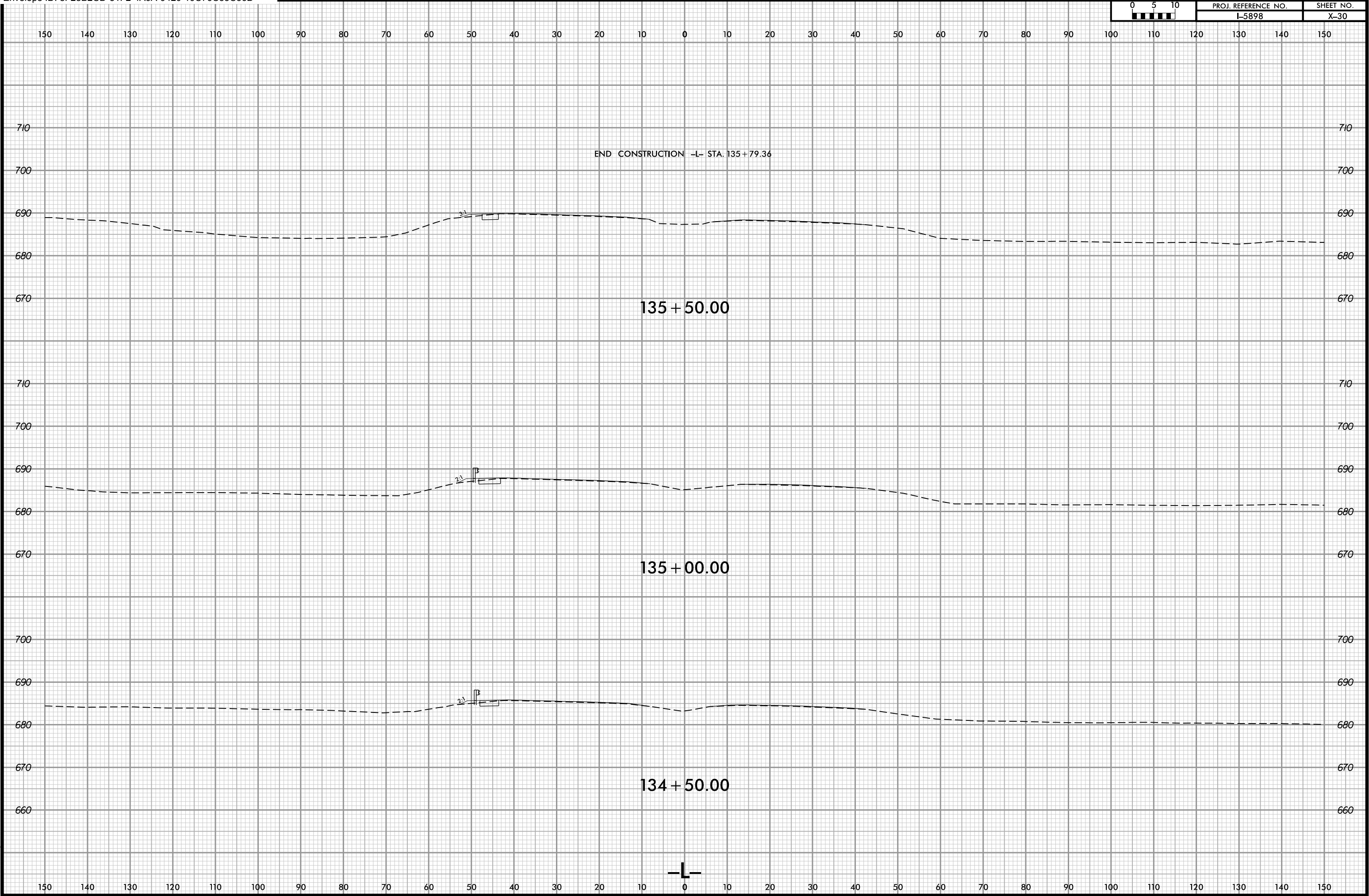
3:1

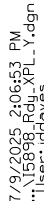
3:1

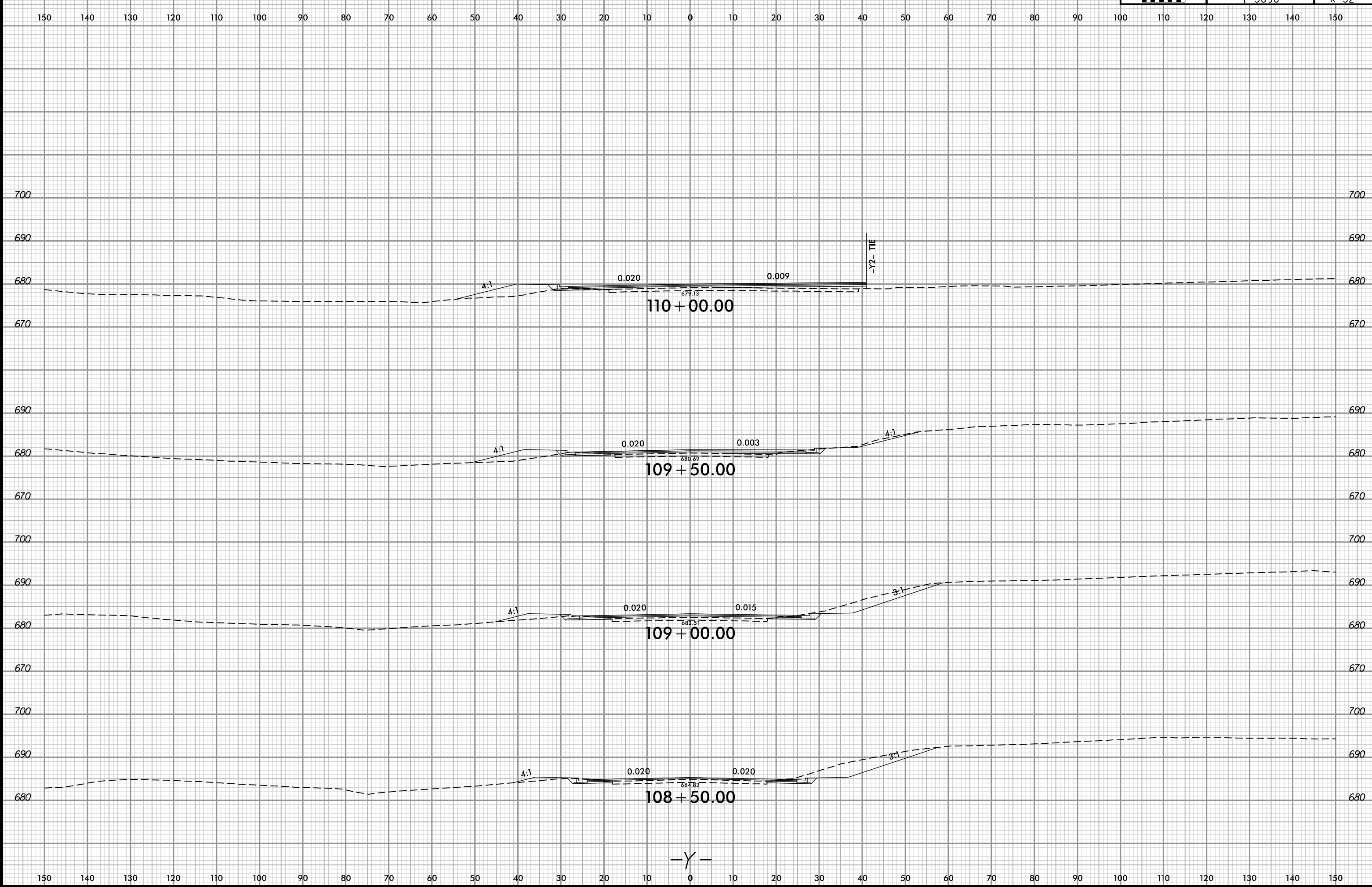
2:1



6/23/16





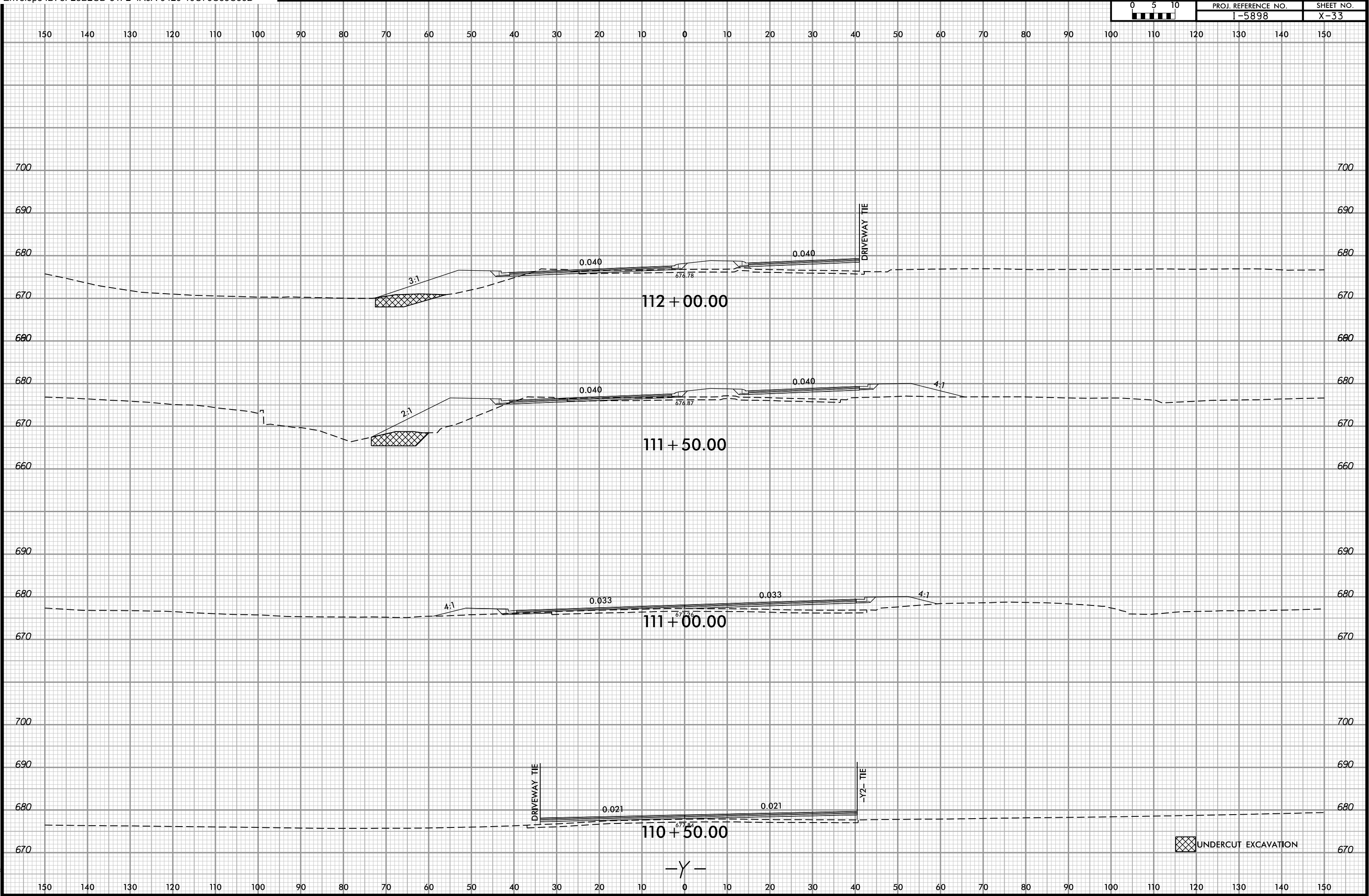


6/23/16

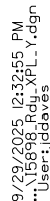


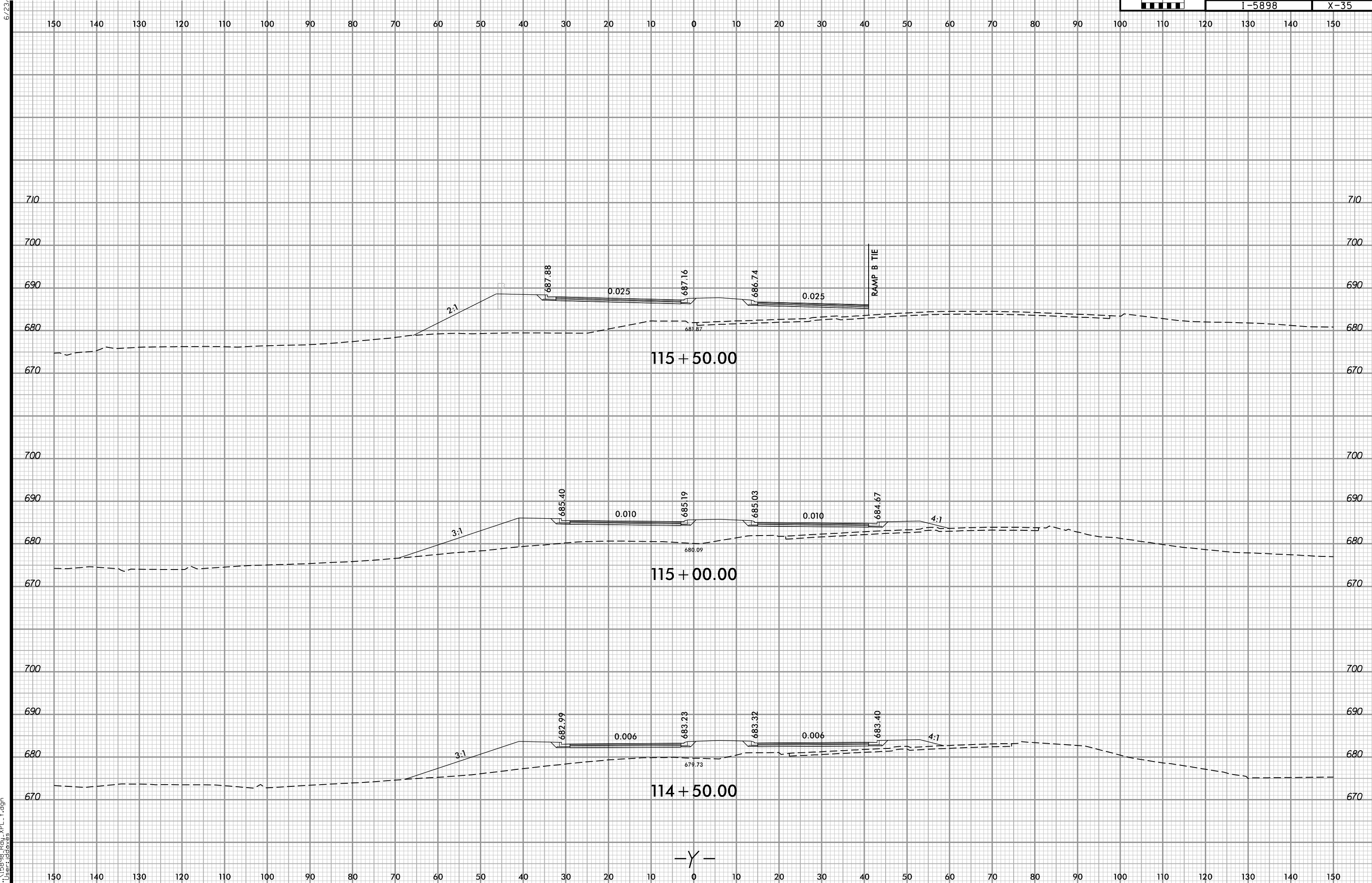
PROJ. REFERENCE NO.
I-5898

SHEET NO.
X-33



9/29/2025 12:32:55 PM
\\15608-RW-VPL-User:lddaves



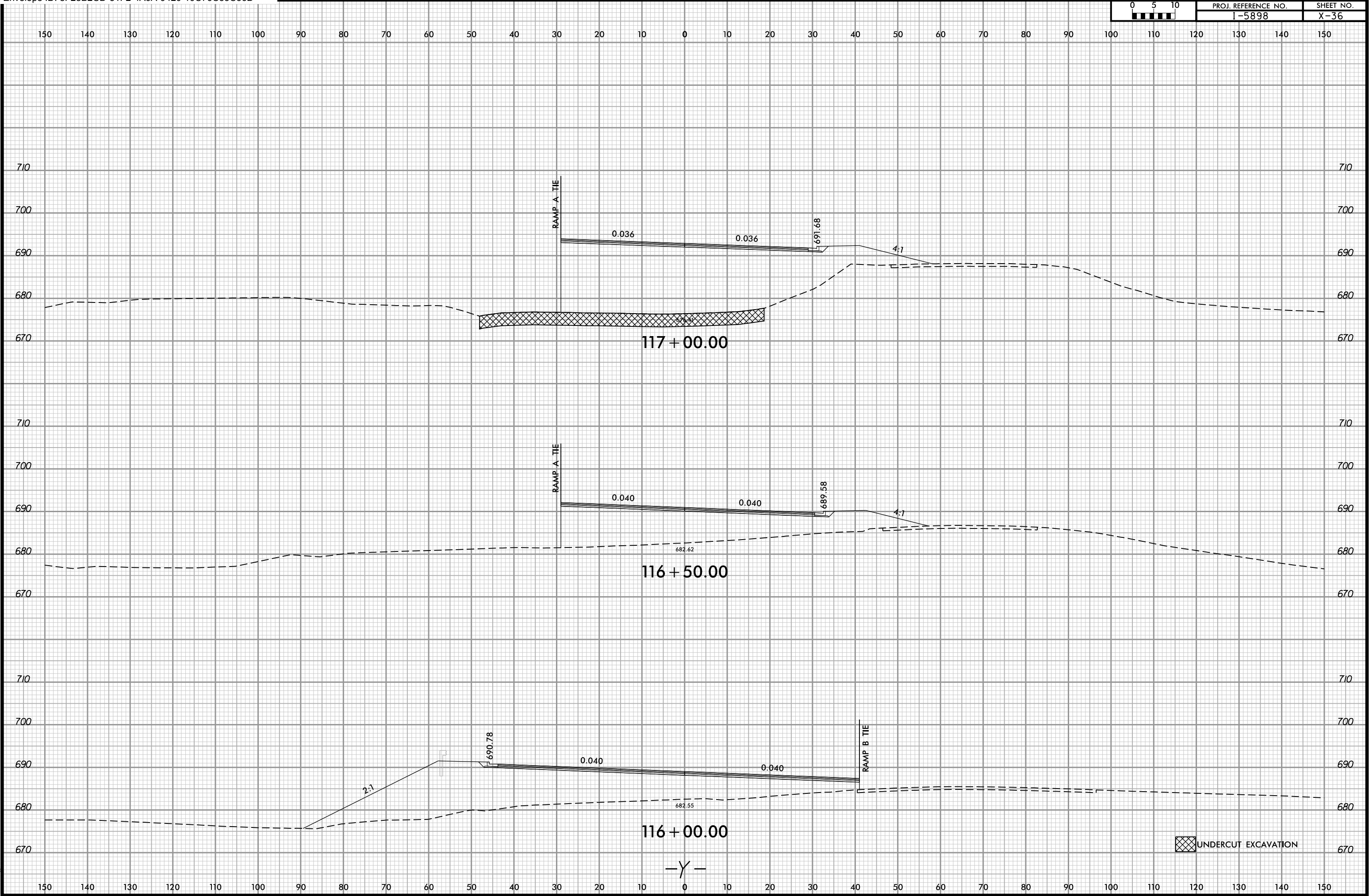


6/23/16

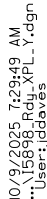


PROJ. REFERENCE NO.
I-5898

SHEET NO.
X-36



9/29/2025 8:37:34 AM
\\15608-R01-VPL-1.dgn
User:lddaves

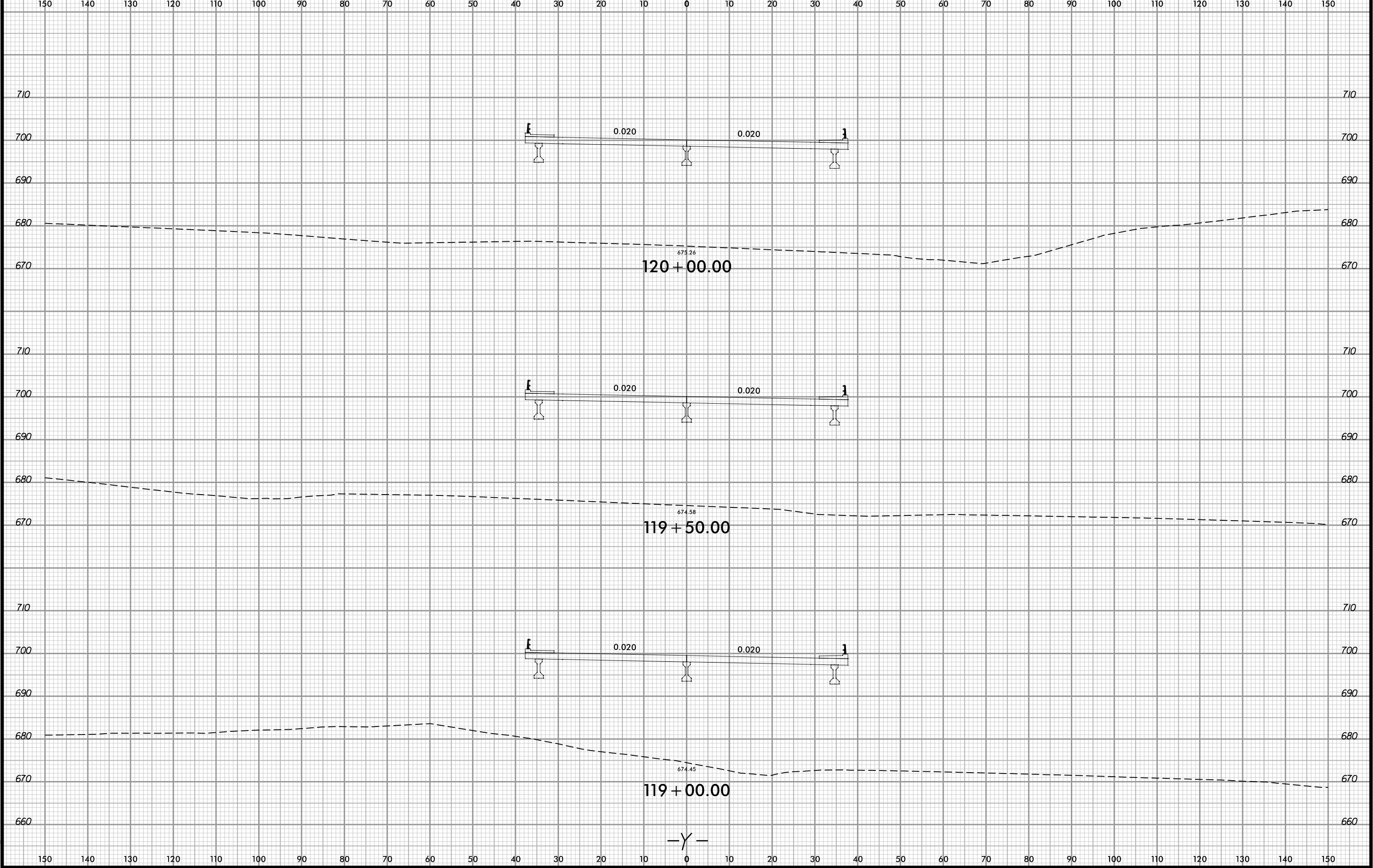


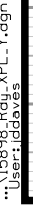
6/23/16

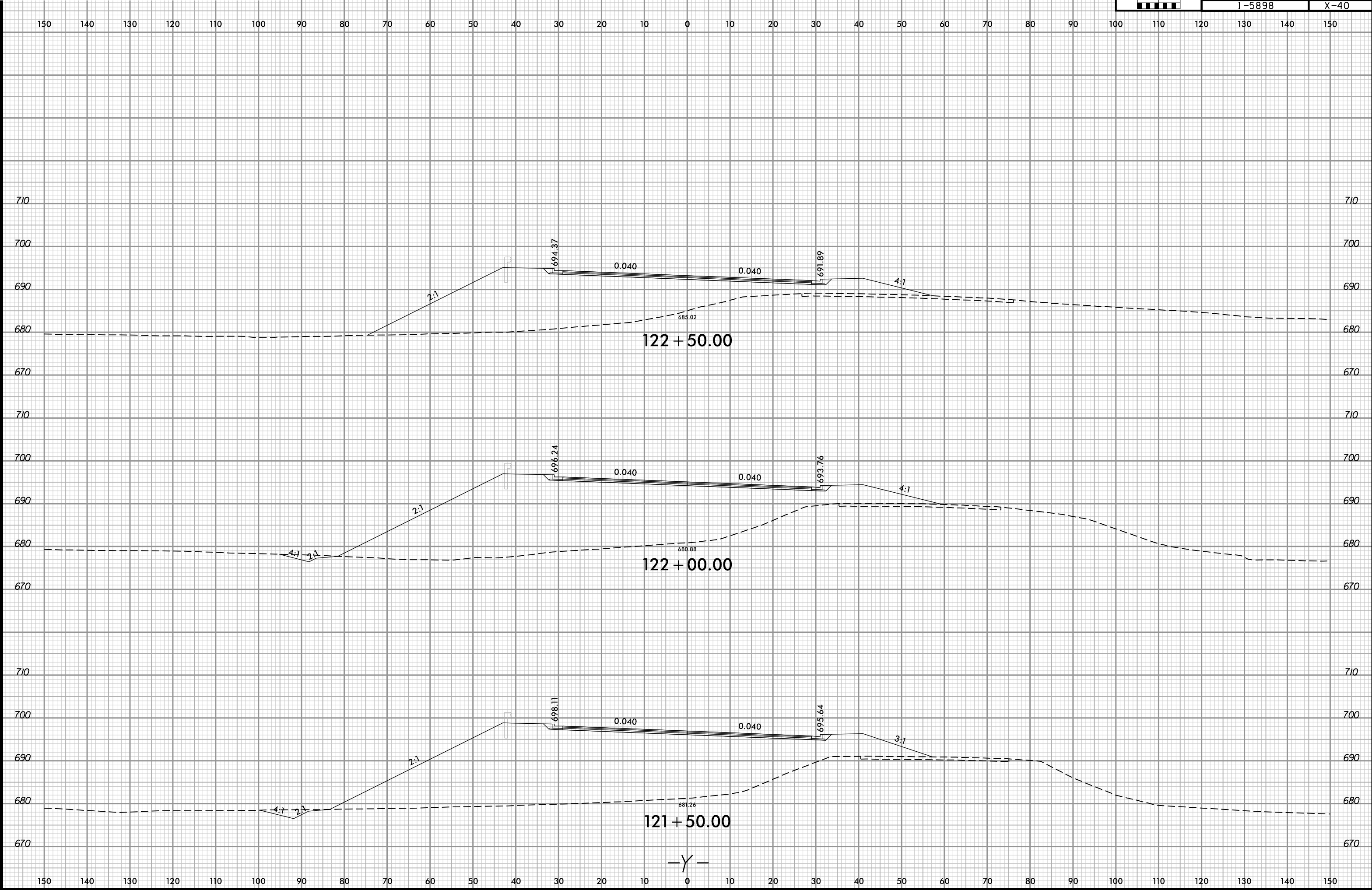


PROJ. REFERENCE NO.
I-5898

SHEET NO.
X-38





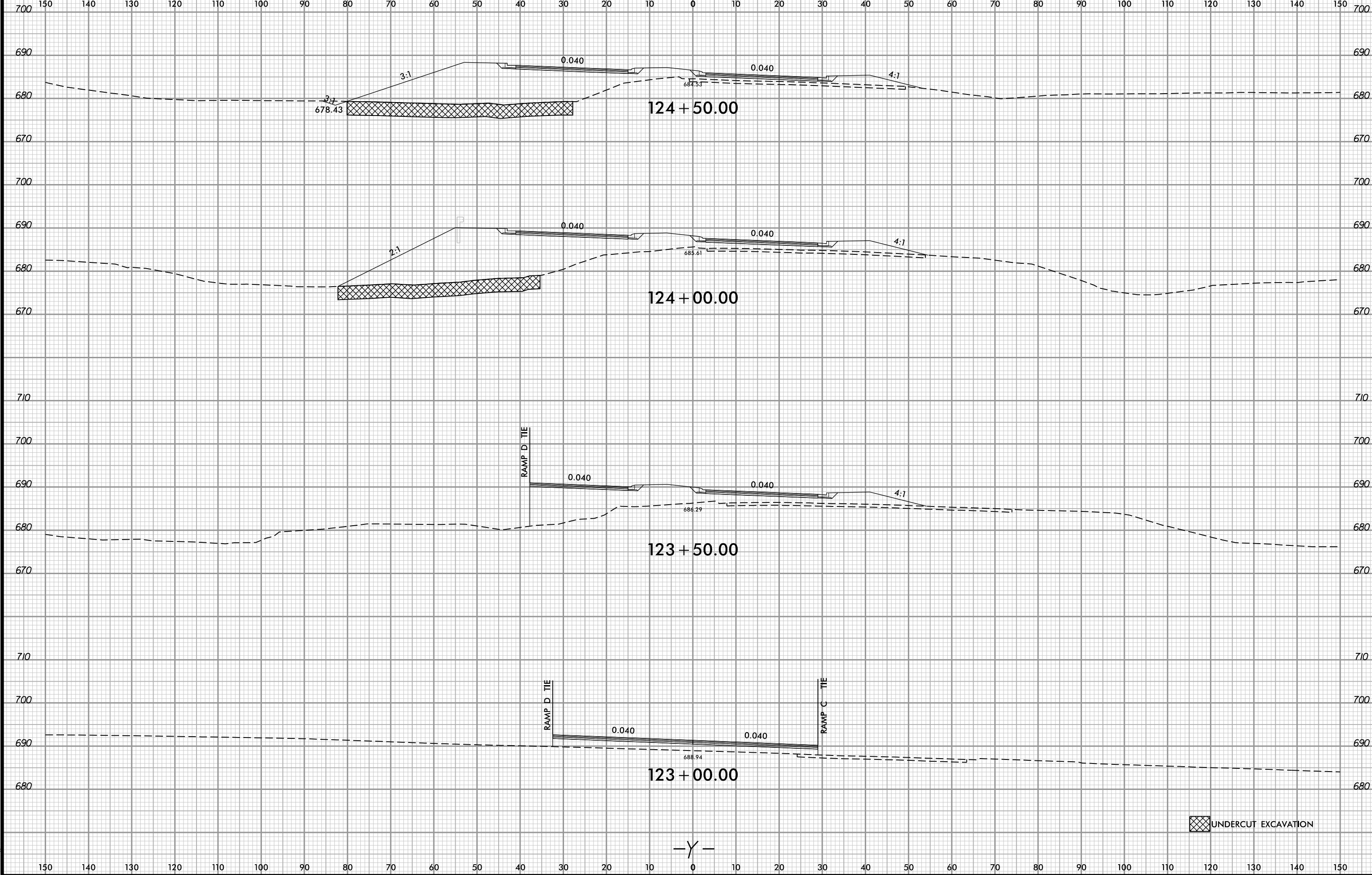


6/23/16



PROJ. REFERENCE NO.
I-5898

SHEET NO.
X-41



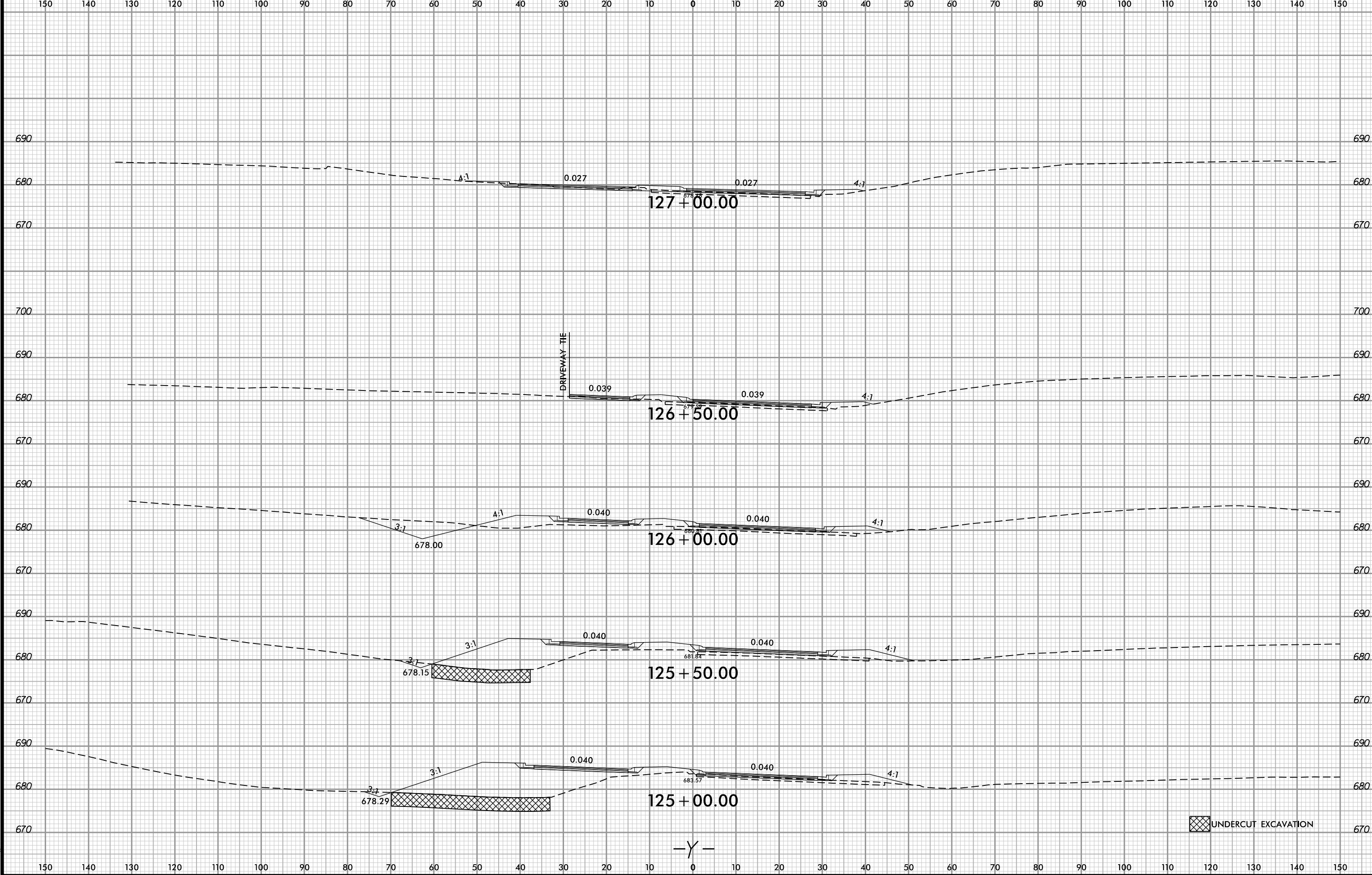
10/15/2025 8:49:44 AM
\\Fs06g-R01-XPL-1\dgn
User:lddaves

6/23/16

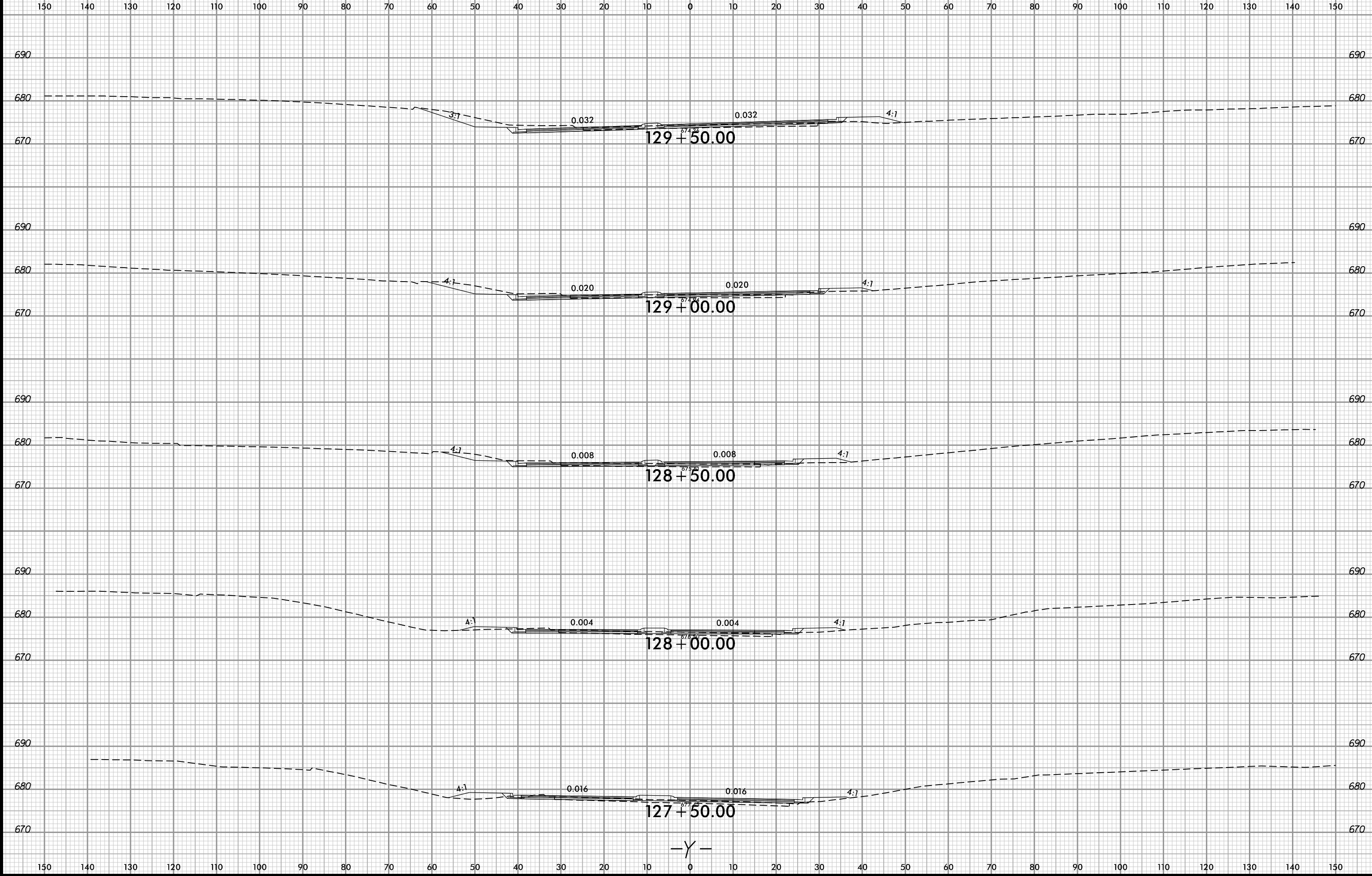


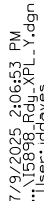
PROJ. REFERENCE NO.
I-5898

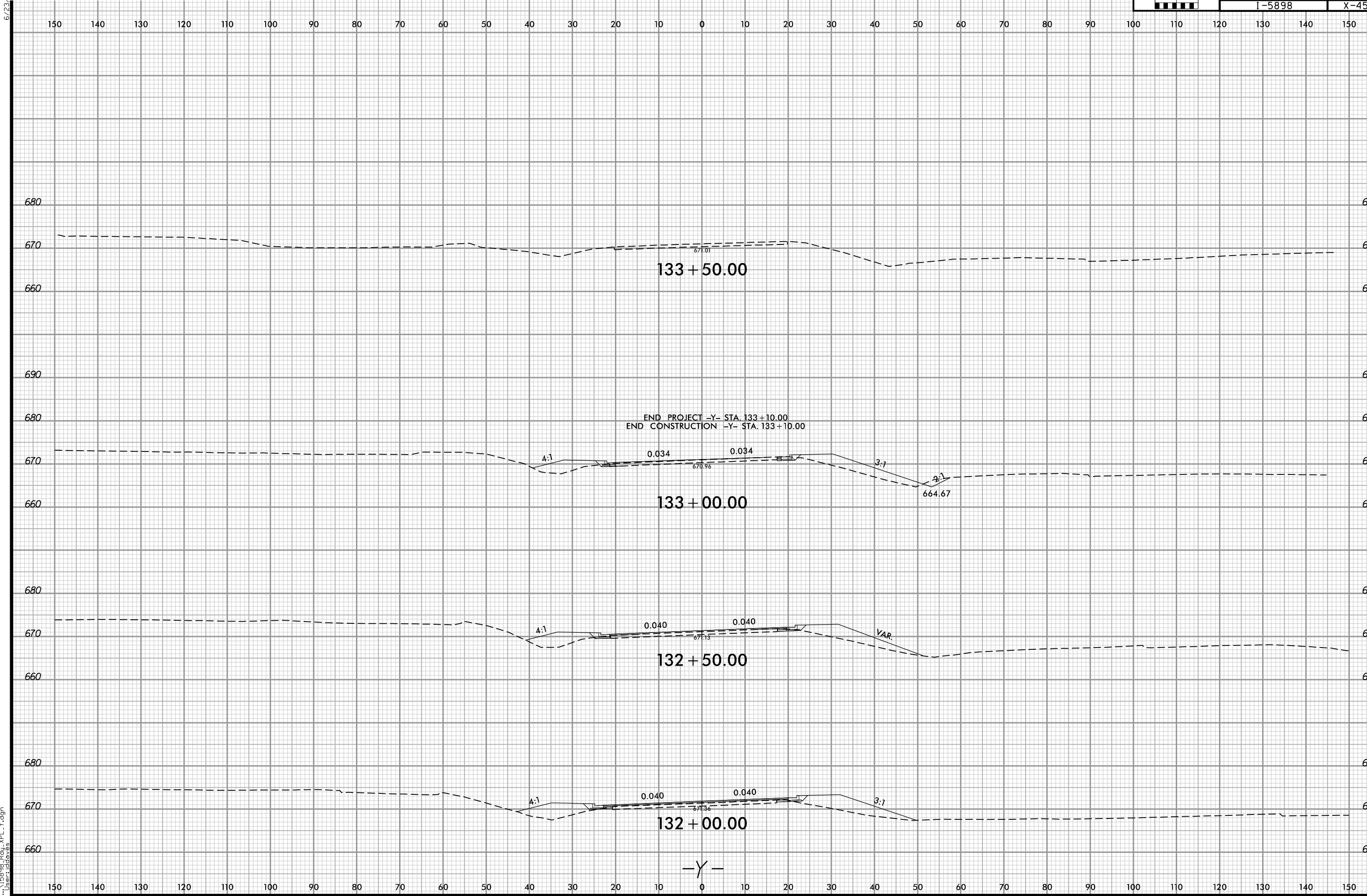
SHEET NO.
X-42

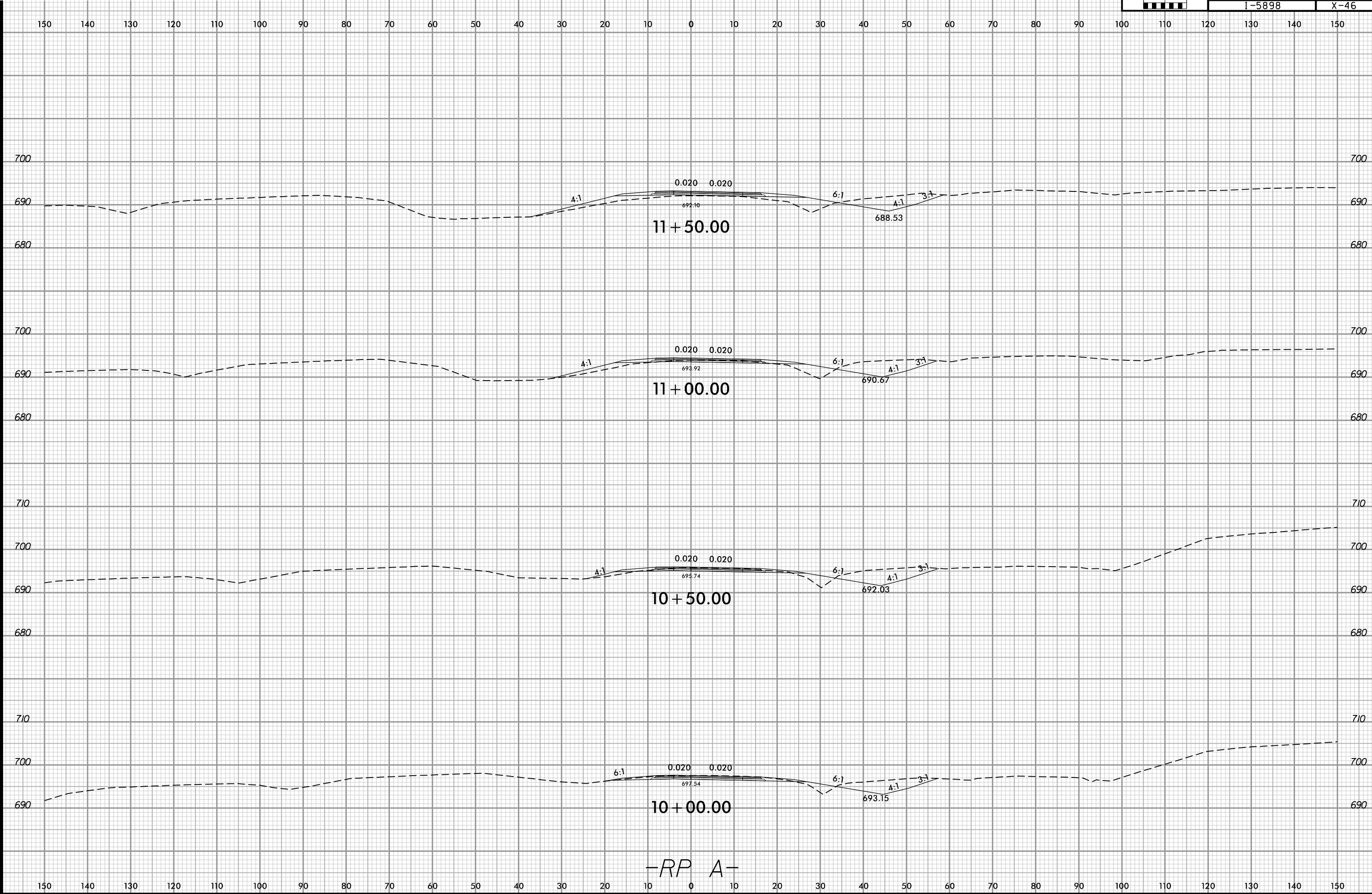


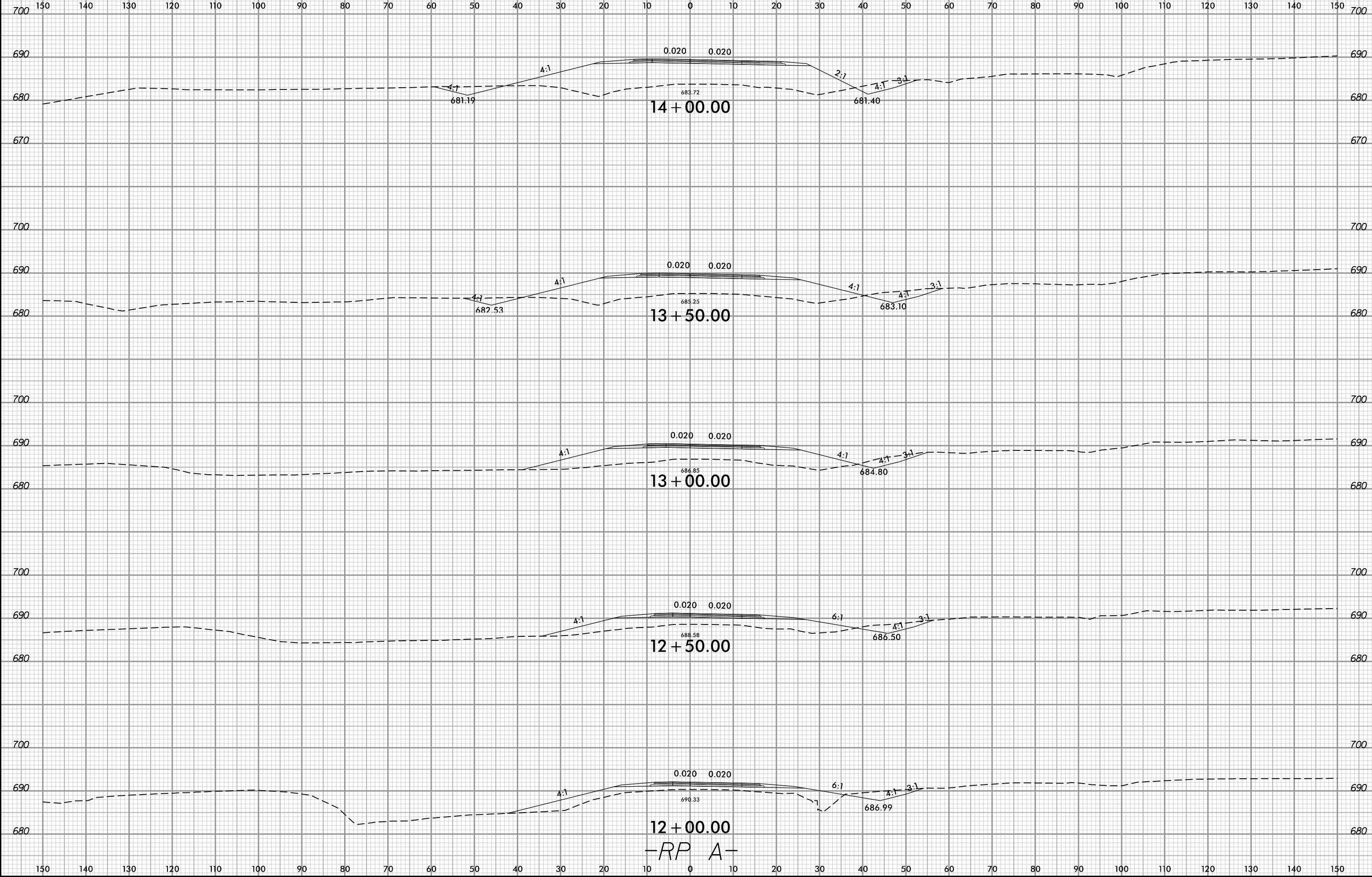
10/15/2025 8:49:44 AM
\\Fs666-R01-XPL-V.dgn
User:lddaves

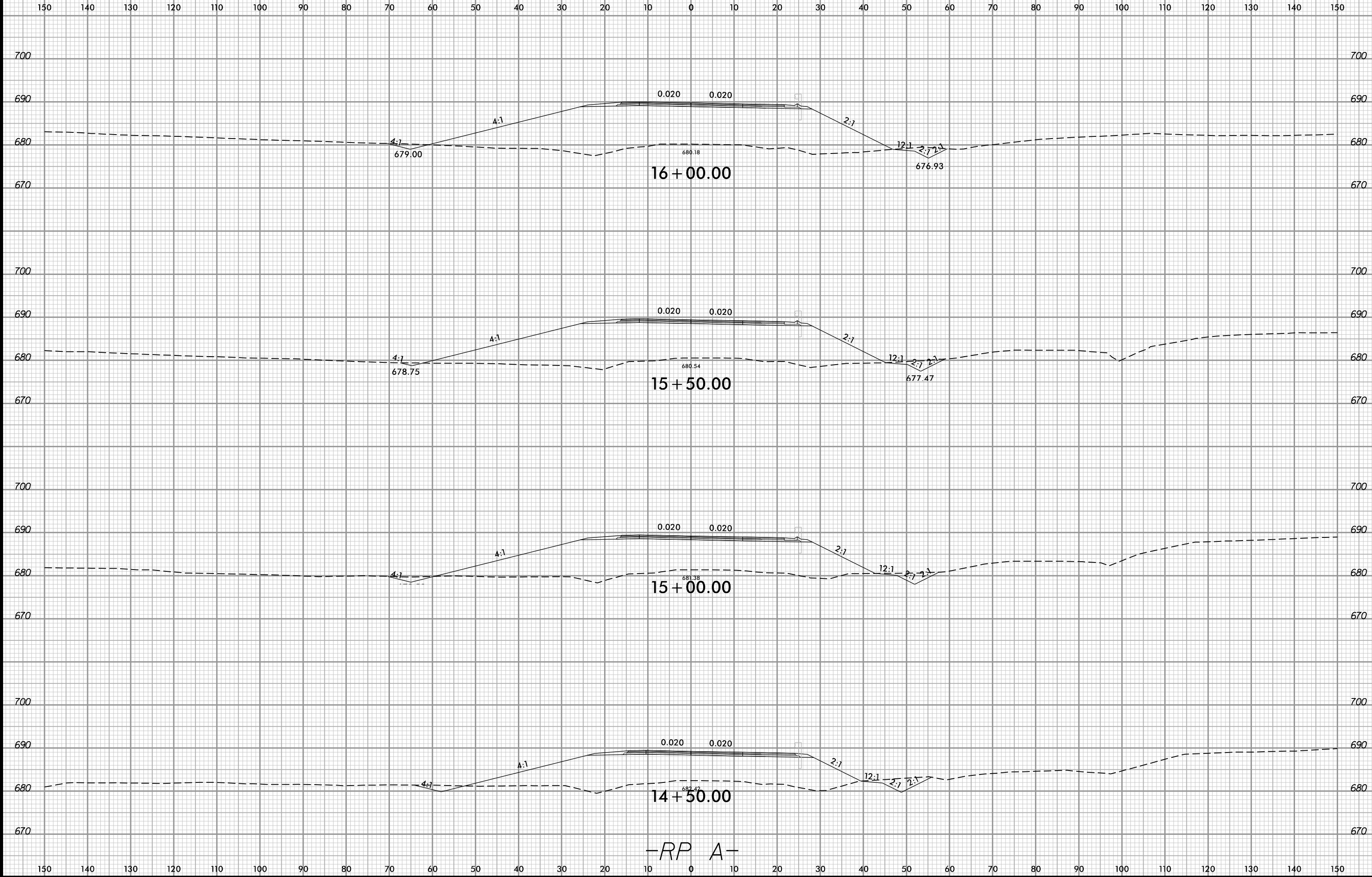


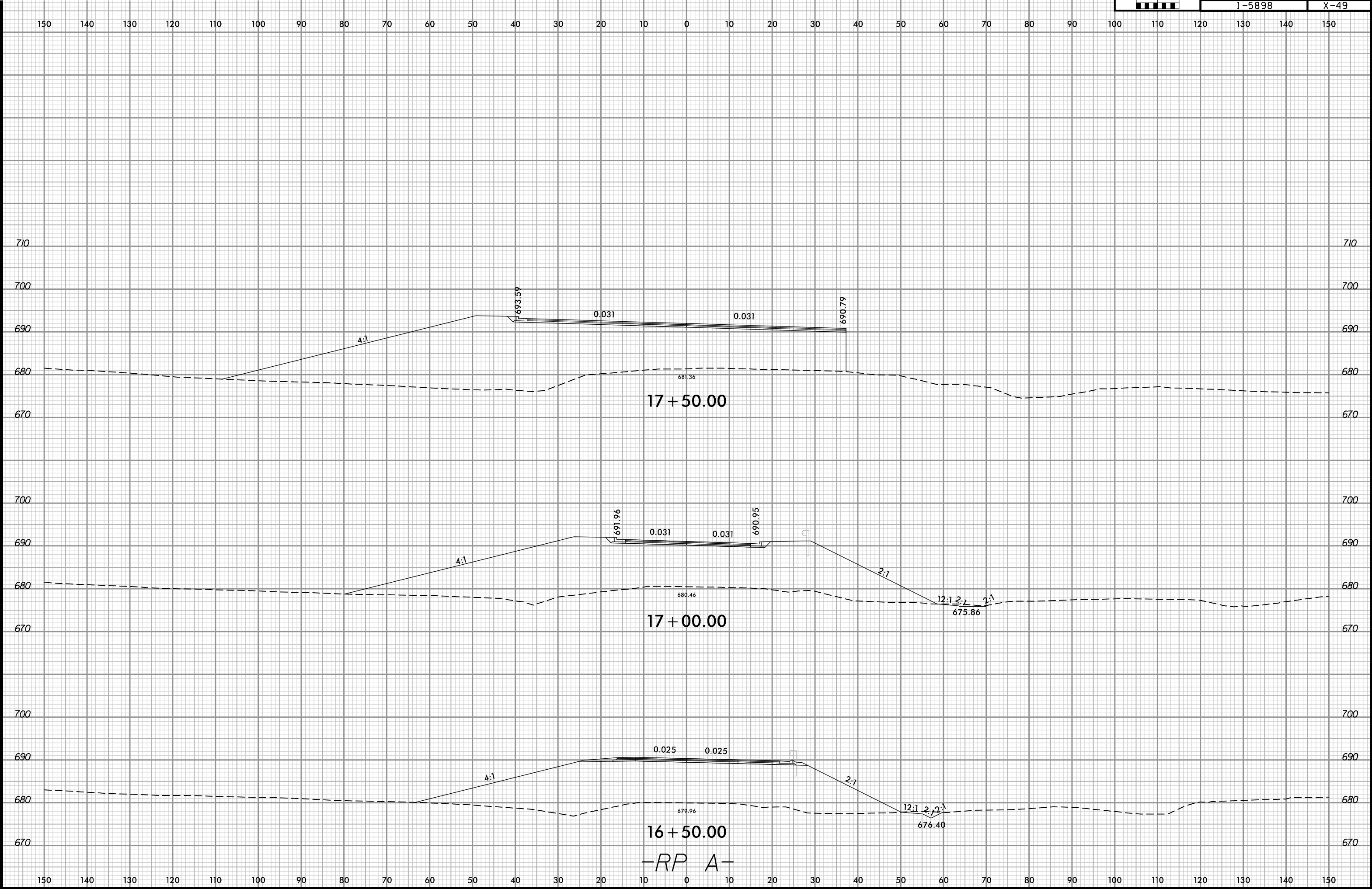




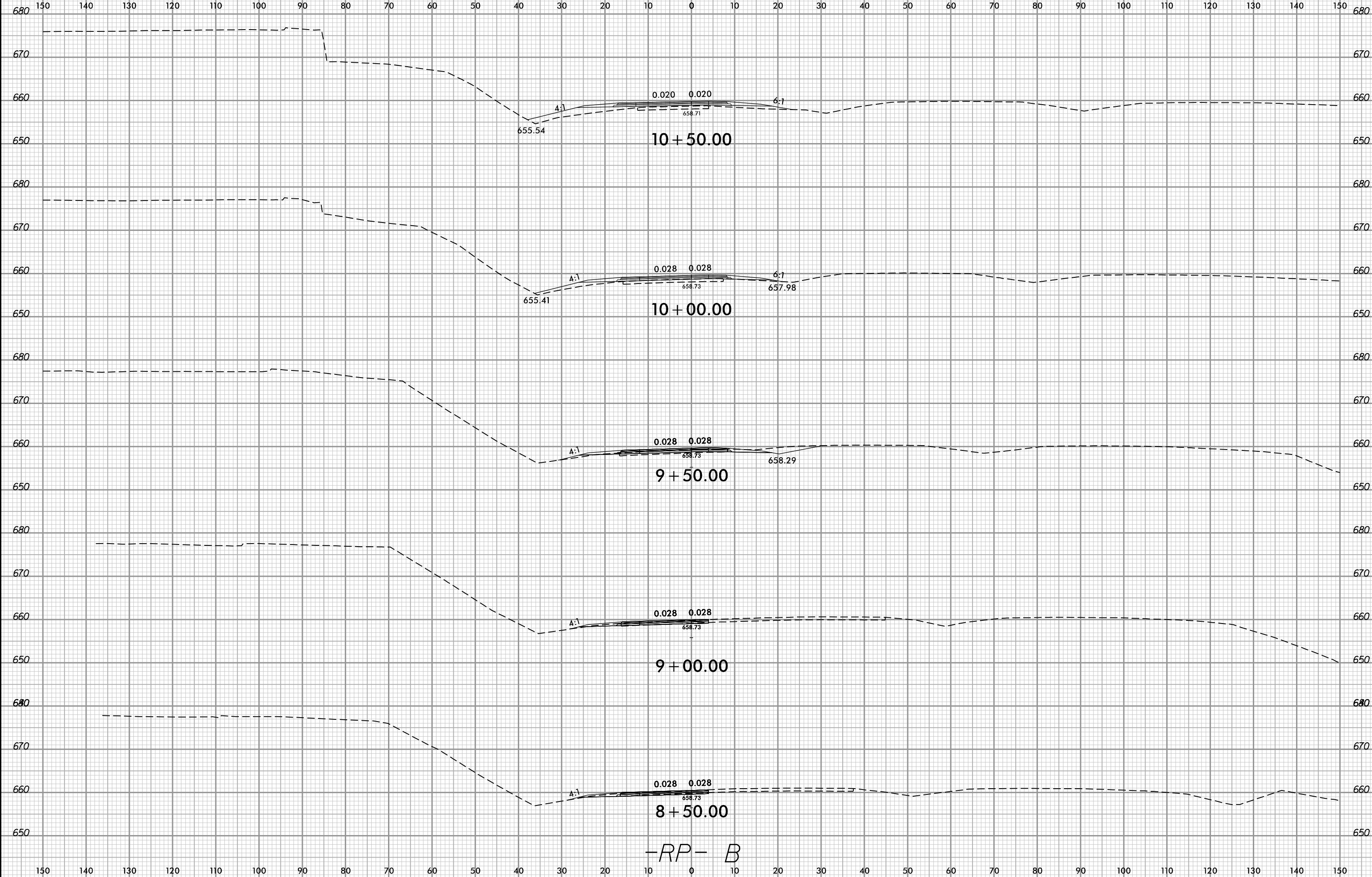




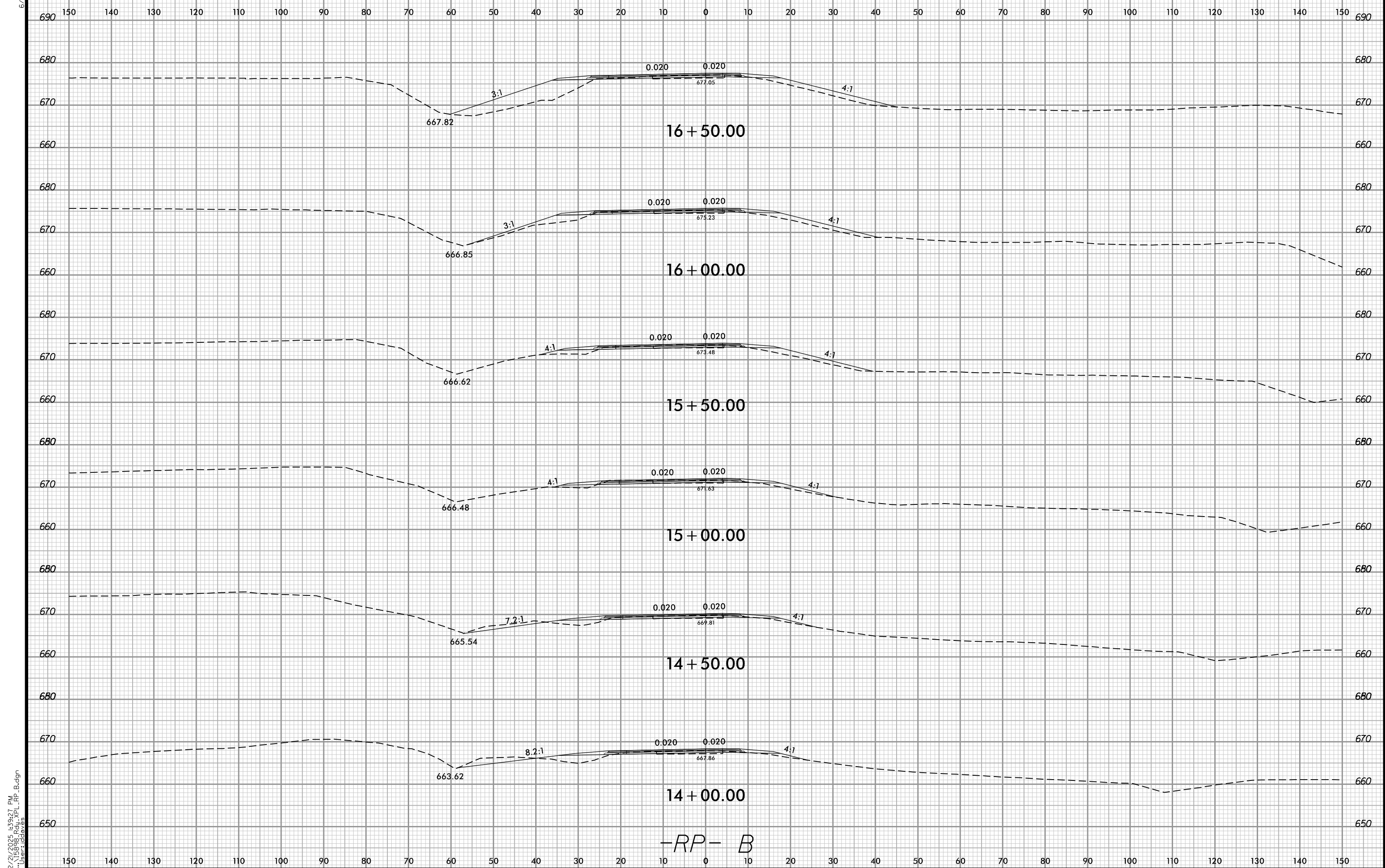


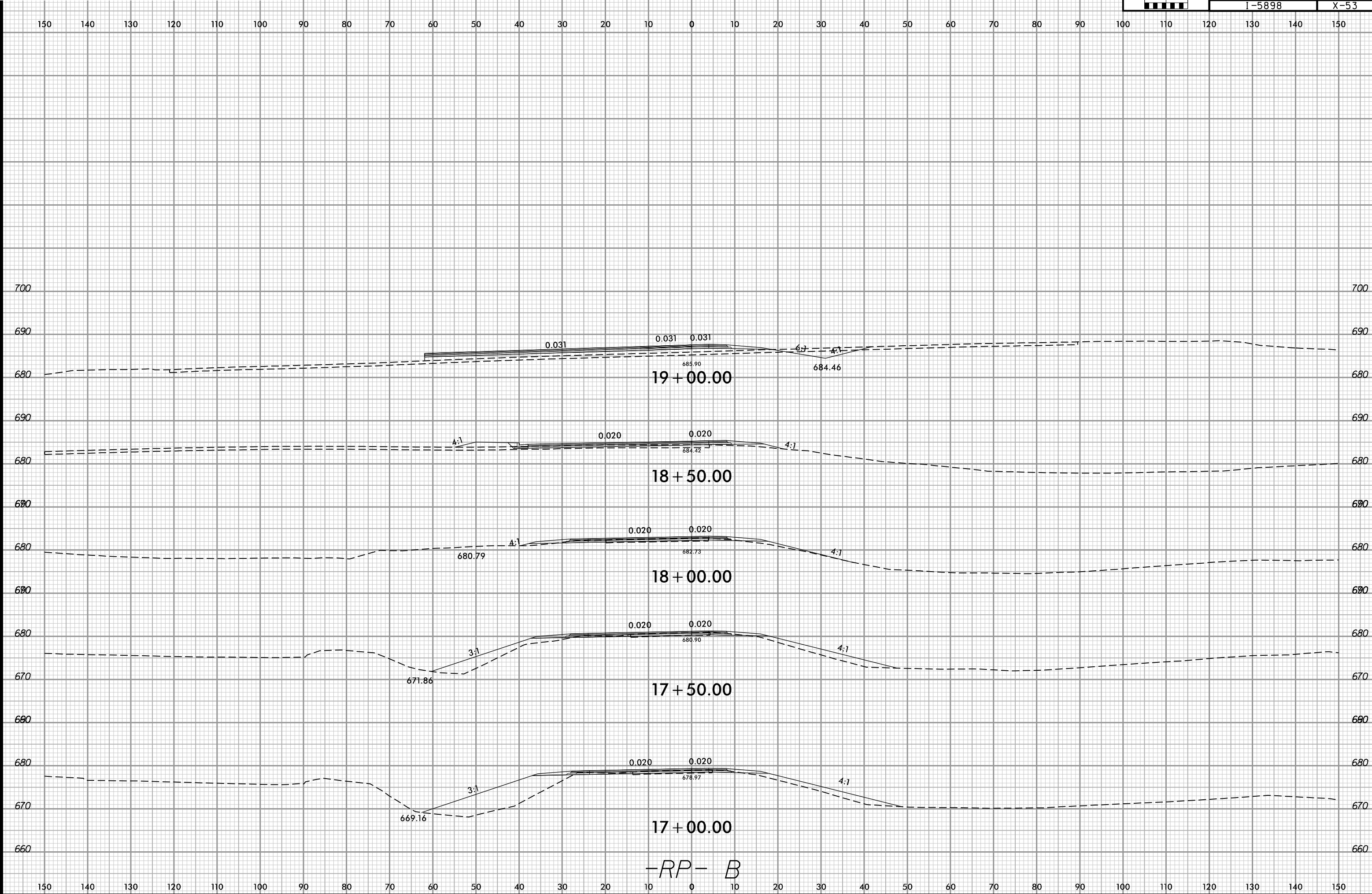


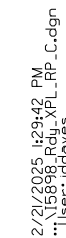
6/23

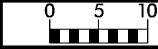




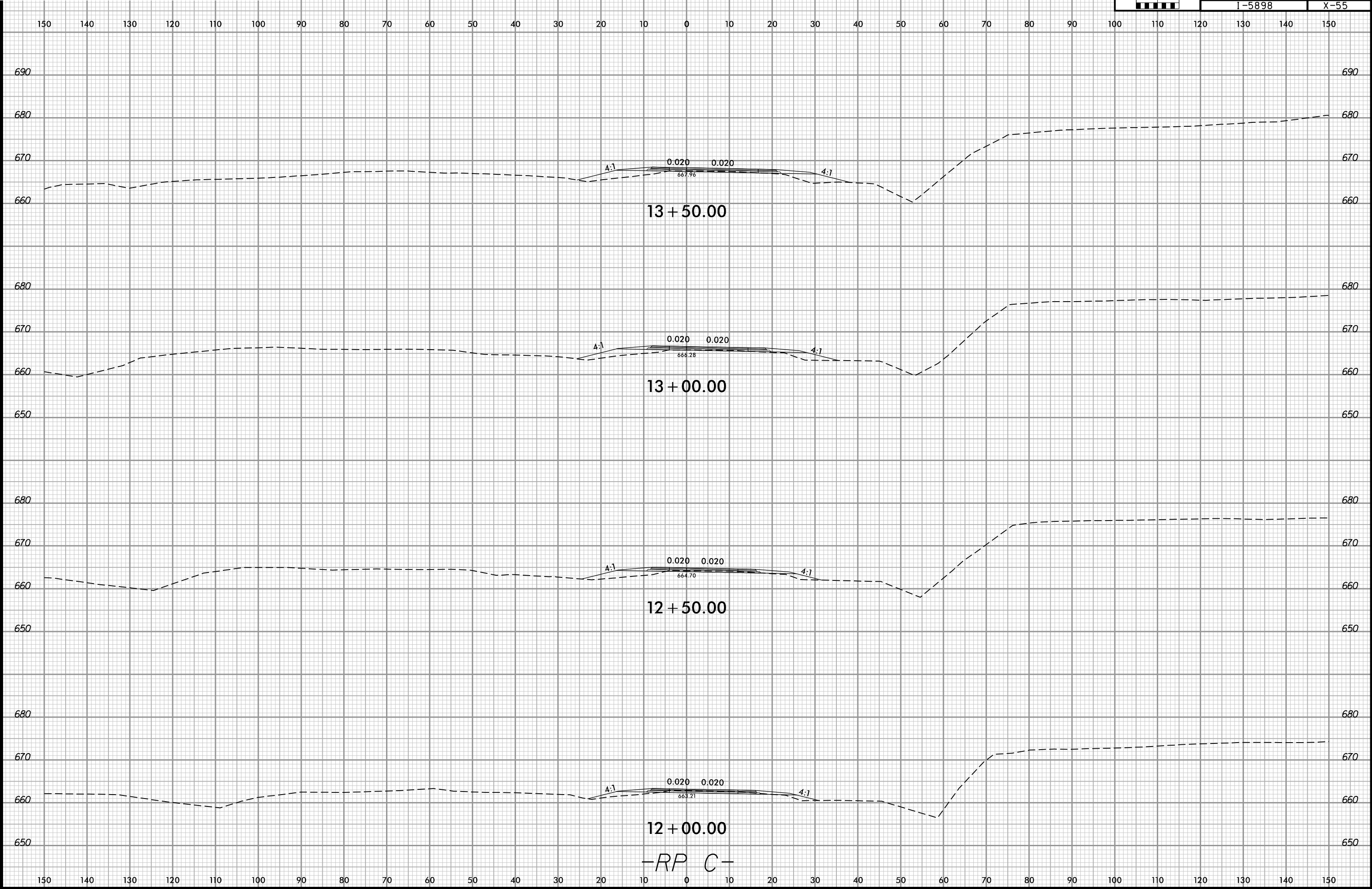






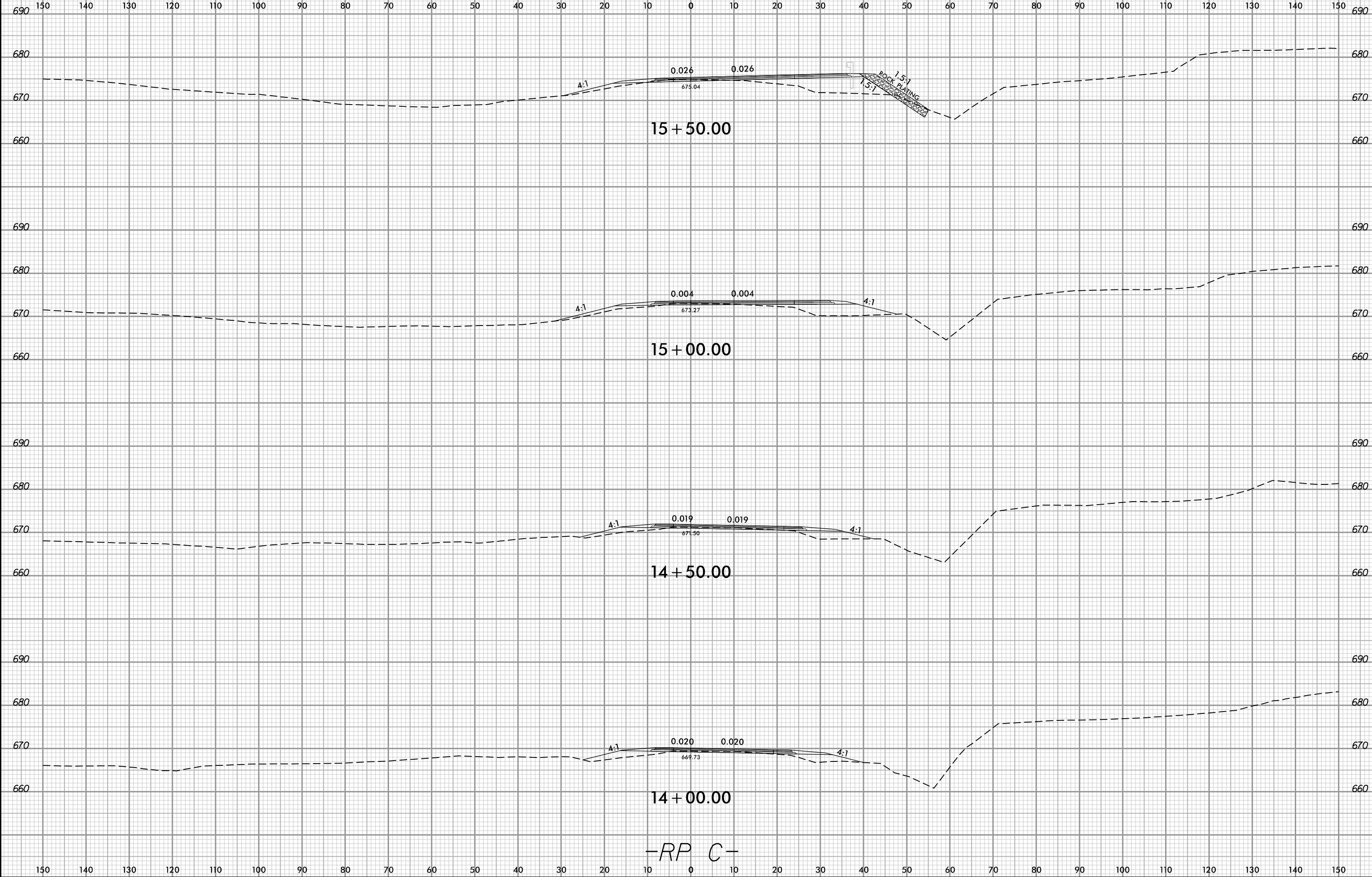


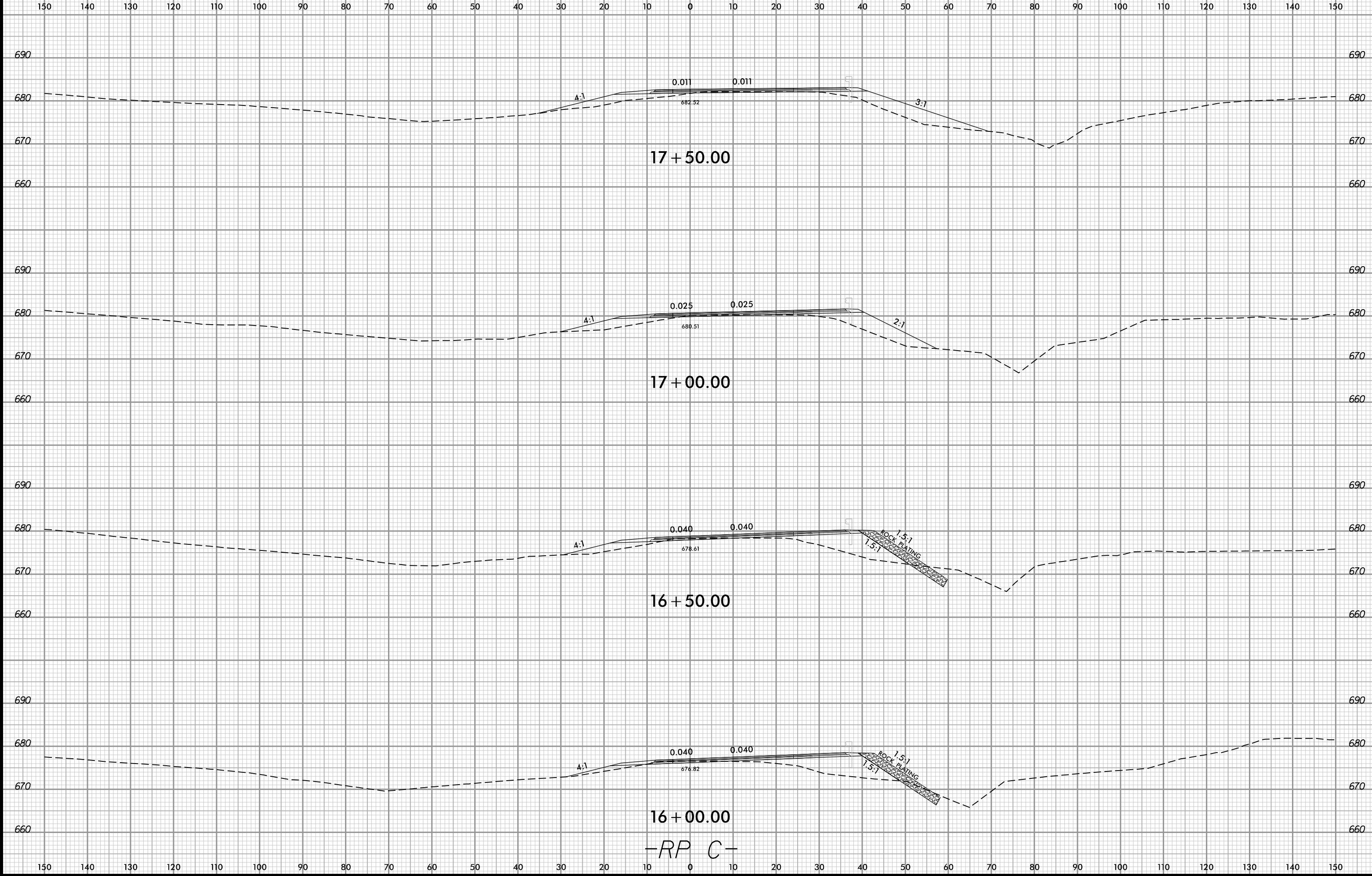
6/23

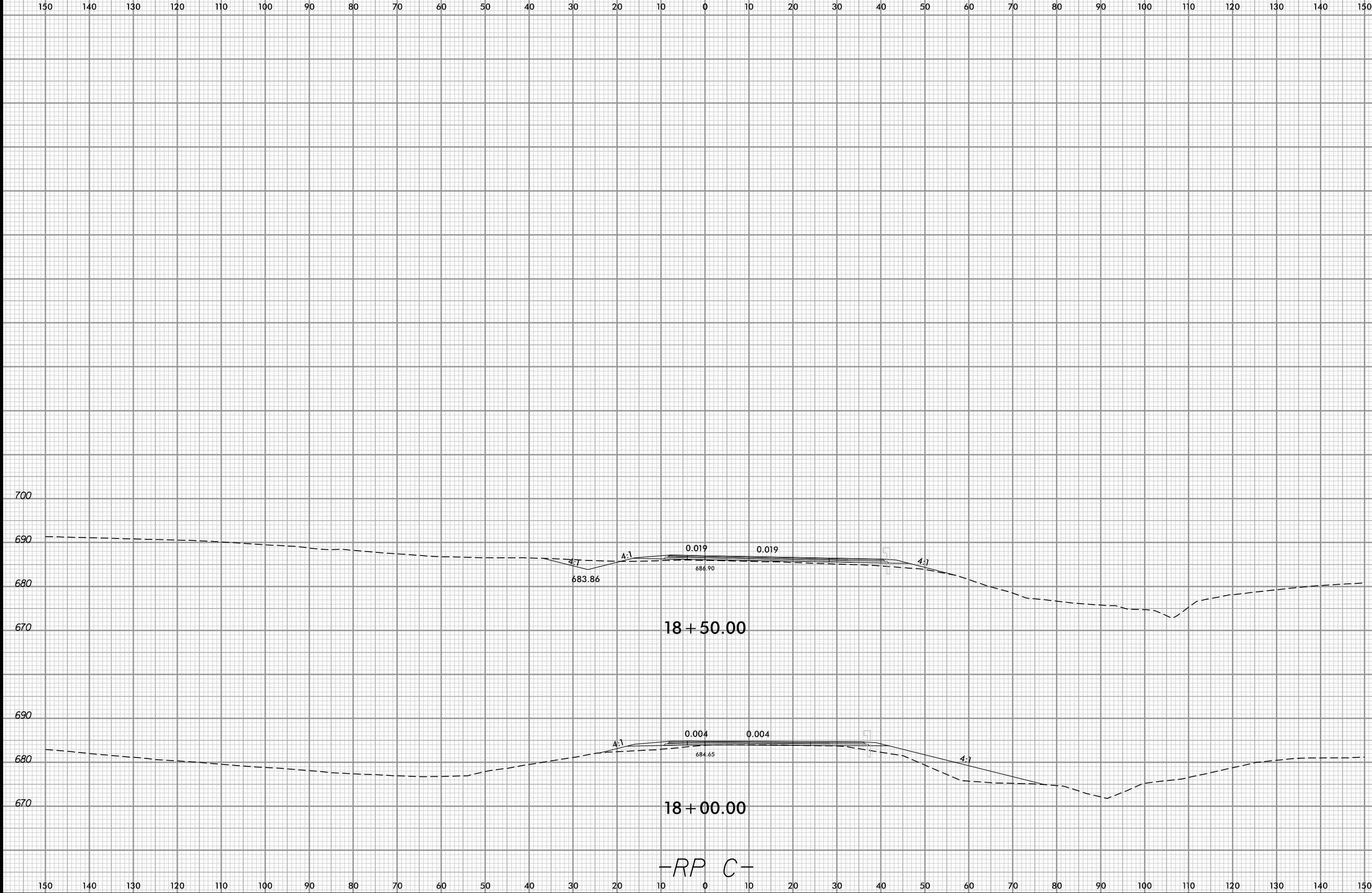




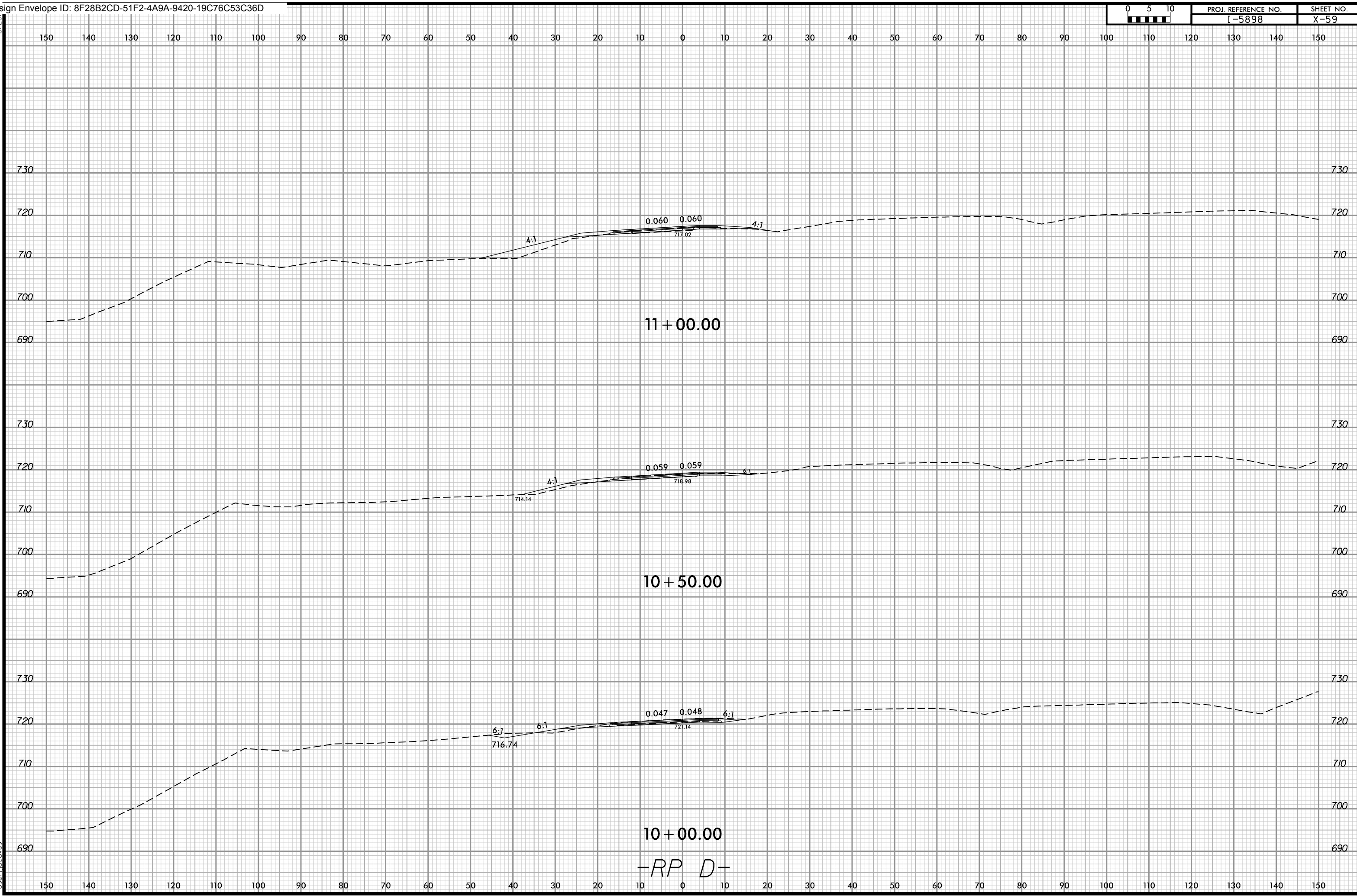
6/23



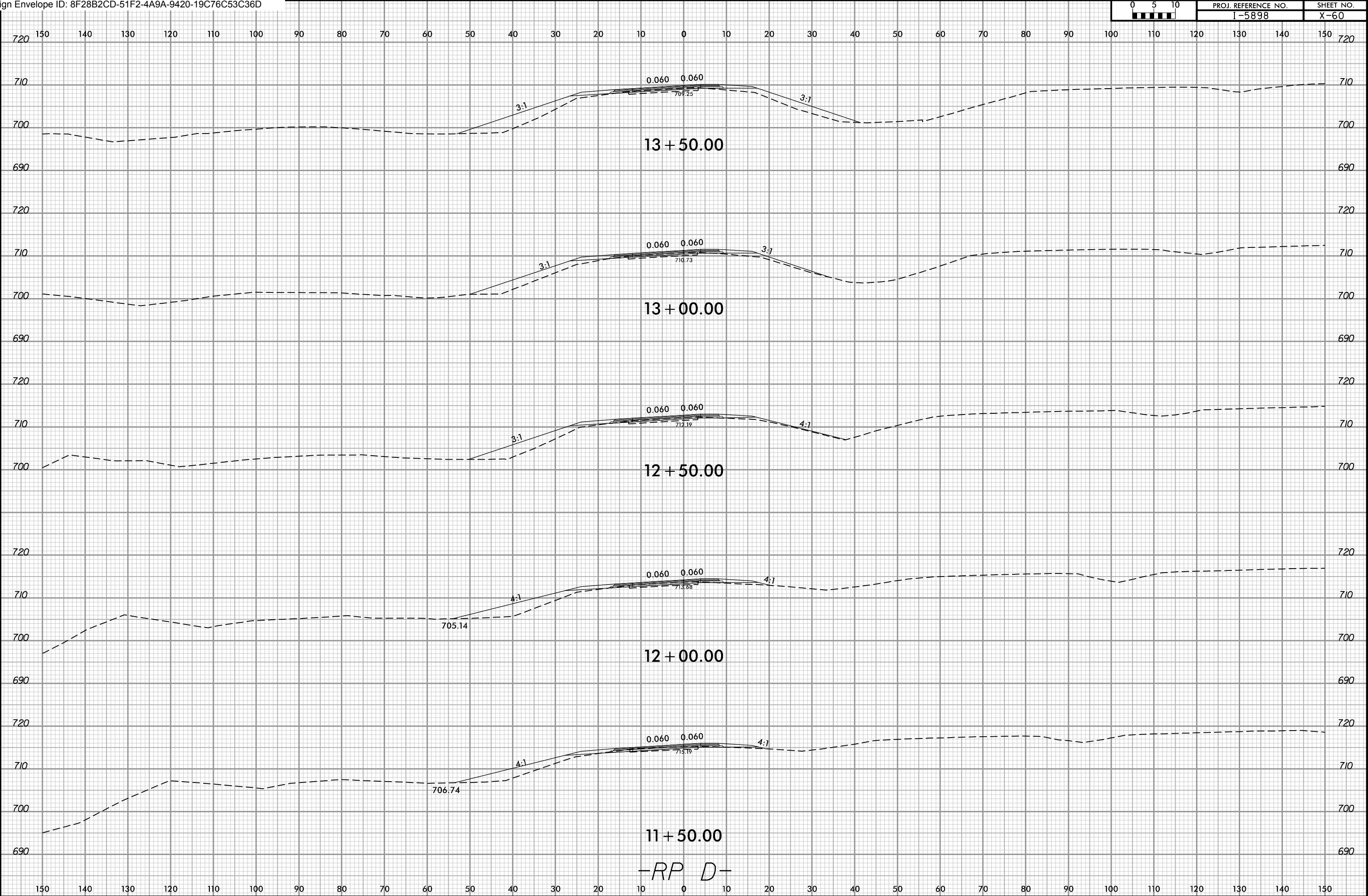




6/23

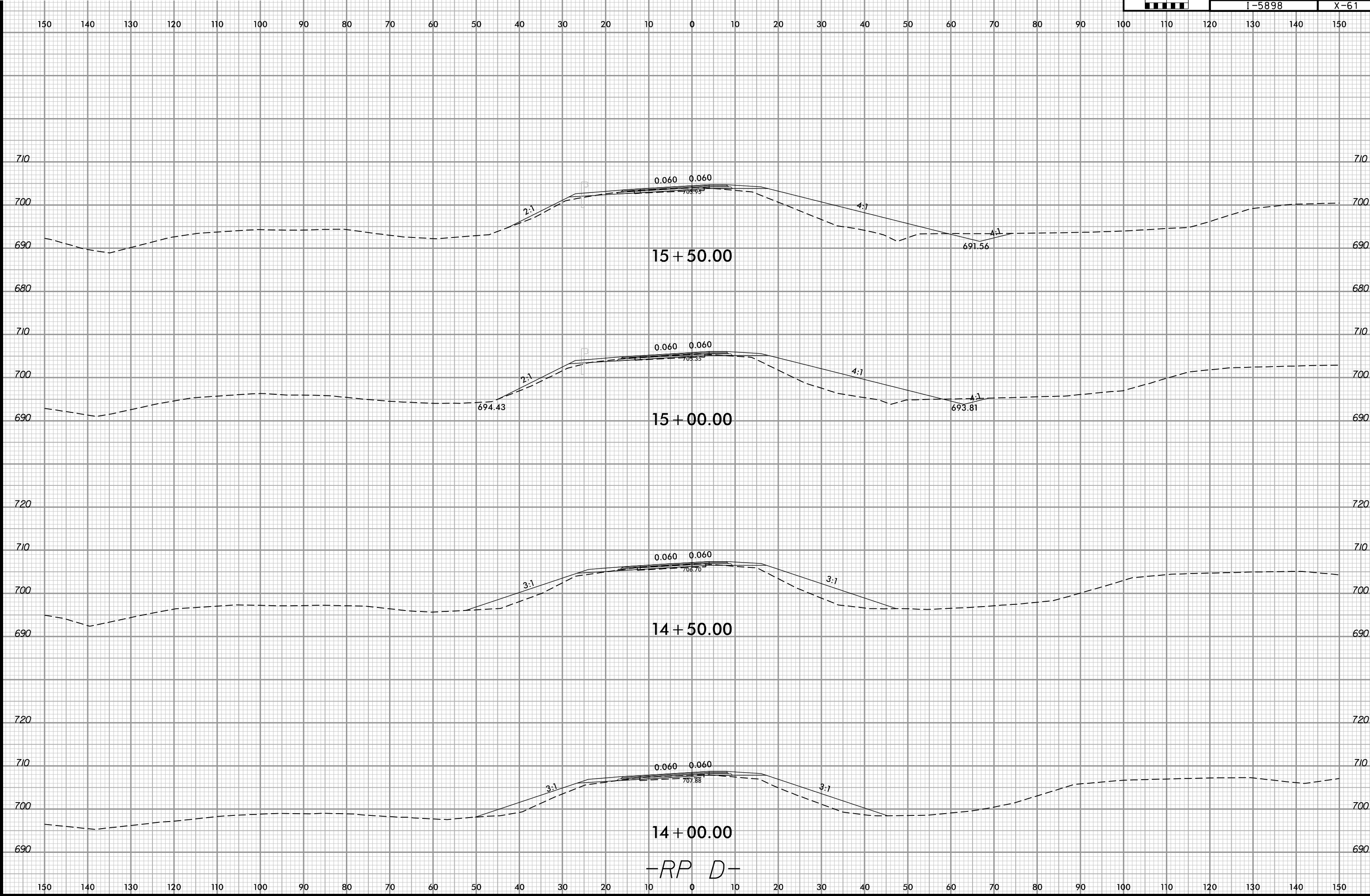


6/23

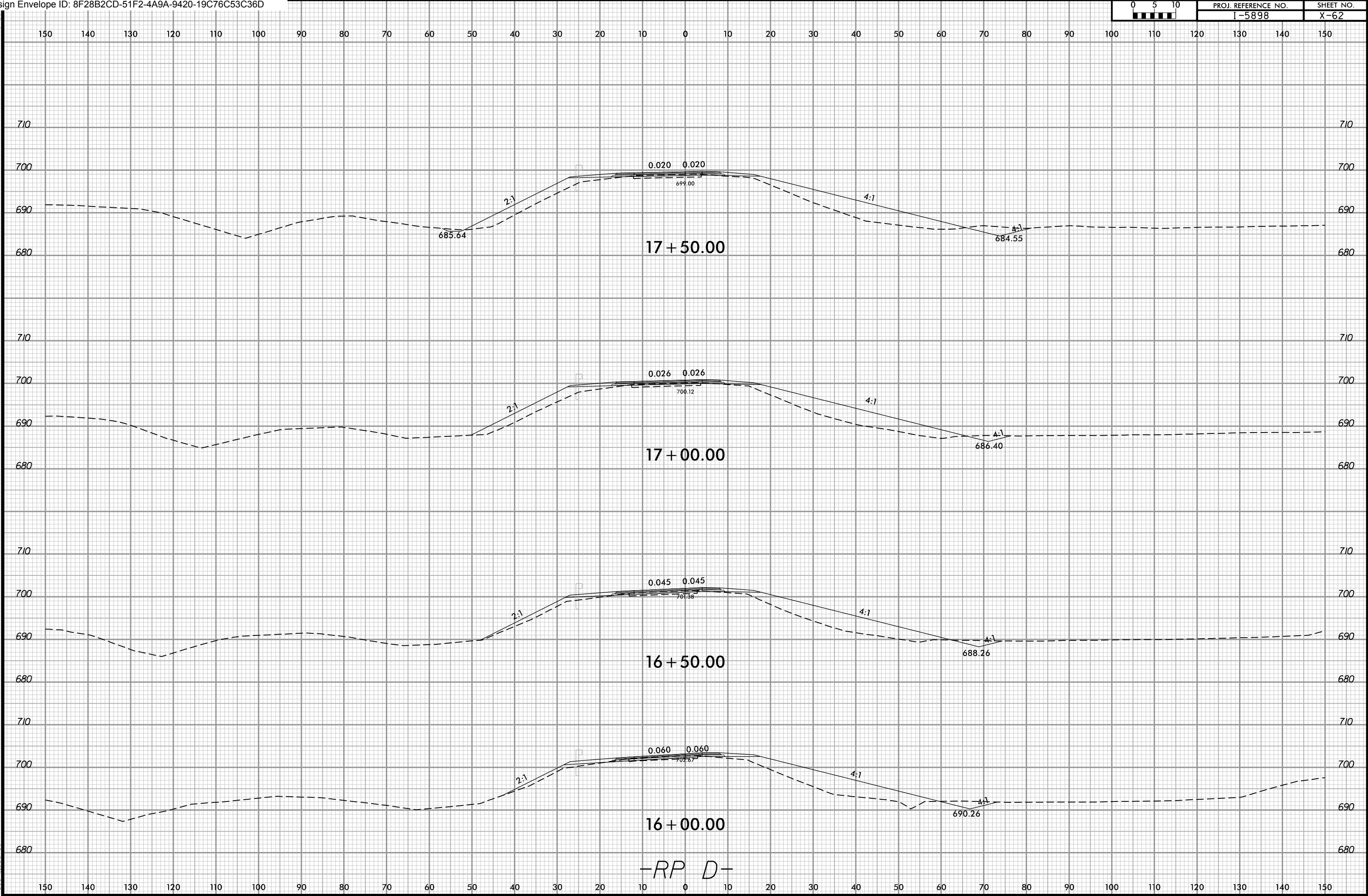




6/23



6/23



6/23

