8/23/99

PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-0

Wilson Ridge Rd.(SR 1523) & Bamboo(SR 1514)

WATAUGA COUNTY

T.I.P. PROJECT U-5810

STATE PROJECT NO. 44383.3.1

LINE	SHEET NO.
-L-	X-1 THRU X-31
-L2-	X-32 THRU X-64
-L3-	X-65 THRU X-102
-Y1-	X-103 THRU X-108
-Y3-	X-109 THRU X-110
-Y4-	X-111 THRU X-115
-Y5-	X-116 THRU X-117
-Y6-	X-118 THRU X-119
-Y7-	X-120 THRU X-121
-Y8-	X-122
-Y8A-	X-123 THRU X-124
-Y9-	X-125
-Y10-	X-126
-Y11-	X-127 THRU X-130
-DR2-	X-131 THRU X-135
-DR3-	X-136 THRU X-139
-DR4-	X-140 THRU X-143
-DR8-	X-144 THRU X-145
-DR9-	X-146 THRU X-147
-DR16-	X-148
-DR17-	X-149
-DR18-	X-150
-DR24-	X-151
-DR25-	X-152
-DR101_2-	X-153
-RAB1-	X-154 THRU X-157
-RAB2-	X-158 THRU X-161
-RAB3-	X-162 THRU X-166
-DET-	X-167 THRU X-172
-Y3DET-	X-173 THRU X-176
-Y11_DET-	X-177 THRU X-180
-DR24_DET-	X-181
-DR25_DET-	X-182

UNDERCUT EXCAVATION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

5/5/2026
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mhouser

8/23/99

PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-1A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS–SECTION SUMMARY PHASE 1

NOTE: QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL RECROSS–SECTION THE WORK ACCURATELY WHEN THE PROJECT IS STAKEDOUT. THESE CROSS–SECTION NOTES WILL BE USED IN COMPUTING THE FINAL QUANTITIES FOR WHICH THE CONTRACTOR WILL BE PAID.

NOTE: EMBANKMENT DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station Y1	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
15+00.00	0		0
15+50.00	97		0
16+00.00	284		0
16+50.00	733		2
17+00.00	1306		2
17+50.00	1334		1

Station Y1	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
18+50.00	0		0
19+00.00	0		670
19+50.00	0		1308

Station Y1	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
23+00.00	0		0
23+50.00	444		1
24+00.00	561		1
24+50.00	514		0
25+00.00	411		0
25+50.00	326		0

Station Dr18	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+12.44	0		0
10+50.00	393		0
11+00.00	303		0
11+35.00	29		0

Station Rab1	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
11+25.00	0		0
11+50.00	0		968
11+75.00	0		724
12+00.00	0		798
12+25.00	0		787
12+50.00	0		798
12+75.00	0		896

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
11+00.00	0		0
11+50.00	12		718
12+00.00	108		195
12+50.00	116		88
13+00.00	89		70
13+50.00	225		16
14+00.00	400		25

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
14+50.00	388		42
15+00.00	202		59
15+50.00	82		57
16+00.00	31		38
16+50.00	26		31
17+00.00	103		29
17+50.00	169		39
18+00.00	96		55
18+50.00	14		71
19+00.00	9		123
19+50.00	9		154
20+00.00	56		136
20+50.00	90		145
21+00.00	88		179
21+50.00	103		178
22+00.00	121		150
22+50.00	145		123
23+00.00	152		116
23+50.00	151		124
24+00.00	75		140
24+50.00	24		103
25+00.00	44		68
25+50.00	24		130
26+00.00	4		189
26+50.00	4		215
27+00.00	176		242
27+50.00	343		129
28+00.00	206		3
28+50.00	106		6
29+00.00	75		174

Station Dr17	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
11+00.00	0		0
11+50.00	3		4

Station Det	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
12+00.00	0		0
12+50.00	3		486
13+00.00	0		515
13+50.00	0		466
14+00.00	0		525
14+50.00	0		728
15+00.00	0		801
15+50.00	0		809
16+00.00	0		987
16+50.00	0		1135
17+00.00	0		1063
17+50.00	0		910
18+00.00	0		701

Station Det	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
18+50.00	45		282

Station Y3Det	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+11.38	0		0
10+50.00	514		58
11+00.00	375		113
11+50.00	130		75
12+00.00	147		0
12+50.00	157		0

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
40+50.00	0	89	0
41+00.00	0	89	1415
41+50.00	0	89	3631
42+00.00	0	89	3392
42+50.00	114	89	1036
43+00.00	198	89	553
43+50.00	83	89	1003
44+00.00	0	89	1830
44+50.00	0	89	2325
45+00.00	0	89	1841
45+50.00	25	89	1230
46+00.00	160	89	780
46+50.00	212	89	679
47+00.00	105	89	629

Station Dr8	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+85.00	0		0
11+00.00	3		0
11+23.59	16		1

Station Dr8	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
12+24.40	0		0
12+50.00	9		451
13+00.00	0		587
13+21.20	0		129

Station Y5	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+12.31	0		0
10+50.00	6		25
11+00.00	24		48
11+50.00	33		57
12+00.00	16		56

Station Y5	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
12+50.00	42		36
12+75.00	20		3

Station Dr9	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+11.88	0		0
10+50.00	0		154
11+00.00	26		120
11+50.00	67		19
11+65.00	25		0

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
51+50.00	0		0
52+00.00	0		1252
52+50.00	0		1863
52+75.00	0		1041
52+80.00	0		213

Station Y6	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+19.89	0		0
10+50.00	0		333
11+00.00	0		300
11+50.00	0		29
12+00.00	1		7

Station Rab2	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
12+25.00	0		0
12+50.00	0		1408
12+75.00	0		1634
13+00.00	0		1616
13+25.00	0		1399

Station Y8A	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+10.31	0		0
10+50.00	0		487
11+00.00	0		528
11+50.00	0		324
12+00.00	0		114
12+50.00	0		15
13+00.00	0		7
13+18.25	0		2

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PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-1B

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS–SECTION SUMMARY PHASE 1

NOTE: QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL RECROSS–SECTION THE WORK ACCURATELY WHEN THE PROJECT IS STAKEDOUT. THESE CROSS–SECTION NOTES WILL BE USED IN COMPUTING THE FINAL QUANTITIES FOR WHICH THE CONTRACTOR WILL BE PAID.

NOTE: EMBANKMENT DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station L2	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
54+54.00	0		0
55+00.00	0		1842
55+50.00	0		1222
56+00.00	0		728
56+50.00	3		270
57+00.00	6		70

Station L2	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
57+00.00	0		0
57+50.00	59		4
58+00.00	86		1
58+50.00	32		19
59+00.00	1		39
59+50.00	0		34
60+00.00	3		26
60+50.00	15		29
61+00.00	48		28
61+50.00	35		12
62+00.00	57		18
62+50.00	75		21
63+00.00	18		34
63+50.00	0		75
64+00.00	1		89
64+50.00	2		124
65+00.00	9		85
65+50.00	73		3
66+00.00	176		2

Station Y9	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+12.45	0		0
10+50.00	0		6
11+00.00	0		11
11+10.00	0		2

Station L2	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
66+50.00	0		0
67+00.00	281		61
67+50.00	249		94
68+00.00	240		93
68+50.00	261		78
69+00.00	262		87
69+50.00	220		75
70+00.00	191		58
70+50.00	173		32
71+00.00	146		0
71+50.00	86		1
72+00.00	22		13

Station L2	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
72+50.00	2		32
73+00.00	1		20
73+50.00	7		0
74+00.00	39		0
74+50.00	58		0
75+00.00	41		0
75+50.00	119		0
76+00.00	147		0
76+50.00	111		0
77+00.00	191		0
77+50.00	359		0
78+00.00	397		0
78+50.00	174		1
79+00.00	16		5
79+50.00	11		14
80+00.00	7		16
80+50.00	0		606

Station Y11_Det	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
11+86.00	0		0
12+00.00	0		0
12+50.00	3		0
13+00.00	67		1
13+50.00	129		10
14+00.00	235		19
14+50.00	756		9
15+00.00	831		0
15+50.00	308		0
16+00.00	208		94
16+50.00	196		349
17+00.00	71		535
17+50.00	39		536
17+68.07	12		185

Station Dr24_Det	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+11.15	0		0
10+25.00	29		0
10+50.00	36		0
10+57.30	3		0

Station Dr25_Det	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+12.89	0		0
10+25.00	5		0
10+50.00	34		0
10+75.00	36		0
10+84.40	3		0

Station L3	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
82+50.00	0	114	0
83+00.00	4	114	2766
83+05.06	0	114	276
83+55.11	0	114	0
84+00.00	0	114	2073
84+50.00	0	114	2192
85+00.00	0	114	1933
85+50.00	0	114	1607
86+00.00	0	114	1275
86+50.00	0	114	1028
87+00.00	0	114	773

Station L3	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
90+29.00	0		0
90+50.00	76		5
91+00.00	1339		9
91+50.00	2745		14
92+00.00	3481		8
92+50.00	3564		1
93+00.00	1835		1
93+50.00	600		251
94+00.00	808		520
94+50.00	674		633
95+00.00	406		837
95+50.00	356		764
96+00.00	331		583
96+50.00	498		601
97+00.00	546		568
97+50.00	379		535
98+00.00	419		666
98+50.00	586		848
99+00.00	637		847
99+50.00	677		720
100+00.00	410		617
100+50.00	393		439
101+00.00	1142		175
101+50.00	951		116
101+86.00	113		67

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
47+00.00	0		0
47+50.00	0		266
48+00.00	0		171
48+50.00	0		165
49+00.00	35		108
49+50.00	218		24
50+00.00	453		10
50+50.00	413		35
51+00.00	144		253

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
51+50.00	0		687

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PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-1C

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS–SECTION SUMMARY PHASE 2

NOTE: QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL RECROSS–SECTION THE WORK ACCURATELY WHEN THE PROJECT IS STAKEDOUT. THESE CROSS–SECTION NOTES WILL BE USED IN COMPUTING THE FINAL QUANTITIES FOR WHICH THE CONTRACTOR WILL BE PAID.

NOTE: EMBANKMENT DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station Det	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
18+50.00	0		0
19+00.00	682		6
19+50.00	1117		1

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
51+00.00	0		0
51+50.00	0		305
52+00.00	0		141
52+50.00	0		213
52+75.00	0		215
52+80.00	0		64

Station Y7	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
19+50.00	0		0
20+00.00	7		167
20+50.00	6		396
21+00.00	0		570
21+20.00	0		212
21+40.00	0		137

Station L2	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
57+50.00	0		0
58+00.00	4		43
58+50.00	2		128
59+00.00	0		174
59+50.00	0		146
60+00.00	0		132
60+50.00	0		124
61+00.00	0		137
61+50.00	0		124
62+00.00	0		92
62+50.00	0		78
63+00.00	1		65
63+50.00	5		52
64+00.00	9		40
64+50.00	9		39
65+00.00	9		142
65+50.00	11		126
66+00.00	12		26
66+50.00	10		51
67+00.00	8		123
67+50.00	5		355
68+00.00	57		323
68+50.00	108		123
69+00.00	102		120
69+50.00	98		111
70+00.00	94		113

Station L2	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
70+50.00	93		115
71+00.00	101		115
71+50.00	100		134
72+00.00	89		169
72+50.00	75		172
73+00.00	77		149
73+50.00	90		158
74+00.00	91		181
74+50.00	90		191
75+00.00	90		186
75+50.00	92		170
76+00.00	108		187
76+50.00	137		217
77+00.00	149		191
77+50.00	116		115
78+00.00	46		40
78+50.00	4		15
79+00.00	9		20
79+50.00	40		13
80+00.00	116		2
80+50.00	83		472

Station Rab3	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+00.00	0		0
10+25.00	0		890
10+50.00	0		922
10+75.00	0		792
11+00.00	0		745
11+25.00	0		912
11+50.00	0		921
11+75.00	0		1176
12+00.00	0		1164
12+25.00	0		1309
12+50.00	0		1109
12+75.00	0		1232
13+00.00	0		1087
13+25.00	0		1014
13+50.00	0		876
13+58.14	0		876

Station Y11	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+50.00	0		0
11+00.00	2		44
11+50.00	1		23
12+00.00	0		20
12+50.00	0		25
13+00.00	0		95
13+50.00	0		274
14+00.00	0		629

Station Y11	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
14+50.00	0		1287
15+00.00	0		2117

Station L3	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
82+00.00	0		0
82+50.00	2		4427

Station L3	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
87+50.00	0		0
88+00.00	0		282
88+50.00	7		160
89+00.00	27		67
89+50.00	49		23
90+00.00	41		30
90+50.00	12		24
91+00.00	0		0
91+50.00	0		0
92+00.00	0		0
92+50.00	0		0
93+00.00	0		0
93+50.00	23		3
94+00.00	45		7
94+50.00	39		14
95+00.00	32		16
95+50.00	28		10
96+00.00	27		7
96+50.00	30		7
97+00.00	35		4
97+50.00	38		2
98+00.00	41		3
98+50.00	42		2
99+00.00	39		2
99+50.00	34		6
100+00.00	29		15
100+50.00	26		27
101+00.00	25		45
101+50.00	26		69
102+00.00	649		41
102+50.00	1748		1
103+00.00	2927		0
103+50.00	4151		1
104+00.00	4095		1
104+50.00	2547		39
105+00.00	706		89
105+50.00	393		74
106+00.00	1122		25

Station Dr101_2	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
12+75.00	432		0
13+00.00	382		0
13+25.00	278		0
13+57.06	278		0

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
34+50.00	0		0
35+00.00	14418		0
35+50.00	12962		0
36+00.00	8323		0
36+50.00	3427		0
37+00.00	709		1067

Station Dr2	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+21.51	0		0
10+50.00	242		0
11+00.00	664		0
11+50.00	640		0
12+00.00	944		0
12+50.00	1712		0
13+00.00	2635		0
13+50.00	2449		0
14+00.00	2222		0
14+50.00	4468		0
14+72.19	2866		0

Station Dr2	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
11+00.00	28		0
11+50.00	106		0
12+00.00	104		0
12+50.00	68		0

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
29+00.00	0		0
29+50.00	652		14
30+00.00	903		6
30+50.00	925		4
31+00.00	1118		4
31+50.00	1412		0
32+00.00	2016		0
32+50.00	2957		0
33+00.00	3666		0
33+50.00	5043		0
34+00.00	8507		0
34+50.00	12448		0

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PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-1D

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS–SECTION SUMMARY PHASE 2

NOTE: QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL RECROSS–SECTION THE WORK ACCURATELY WHEN THE PROJECT IS STAKEDOUT. THESE CROSS–SECTION NOTES WILL BE USED IN COMPUTING THE FINAL QUANTITIES FOR WHICH THE CONTRACTOR WILL BE PAID.

NOTE: EMBANKMENT DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station L2	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
66+00.00	0		0
66+50.00	243		2
67+00.00	211		2
67+50.00	148		9
68+00.00	136		9
68+50.00	162		2
69+00.00	154		4
69+50.00	123		5
70+00.00	110		4
70+50.00	121		5
71+00.00	130		4
71+50.00	72		4
72+00.00	16		17
72+50.00	1		33
73+00.00	1		18
73+50.00	5		1
74+00.00	38		1
74+50.00	56		1
75+00.00	37		1
75+50.00	116		0
76+00.00	143		0
76+50.00	43		0
77+00.00	115		0

Station Y10	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+12.29	0		0
10+50.00	3		1
11+00.00	2		2
11+25.00	0		0

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PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-1E

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS–SECTION SUMMARY PHASE 3

NOTE: QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL RECROSS–SECTION THE WORK ACCURATELY WHEN THE PROJECT IS STAKEDOUT. THESE CROSS–SECTION NOTES WILL BE USED IN COMPUTING THE FINAL QUANTITIES FOR WHICH THE CONTRACTOR WILL BE PAID.

NOTE: EMBANKMENT DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station Y4	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+50.00	0		0
11+00.00	148		1854
11+50.00	148		340
12+00.00	3		521
12+50.00	3		317
13+00.00	0		8

Station Dr5	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+40.00	0		0
10+50.00	11		0
10+91.43	57		3
11+43.79	48		5
12+11.00	86		3

Station Dr4	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+12.00	0		0
10+50.00	0		550
11+00.00	13		611
11+50.00	13		296
12+00.00	5		58
12+08.00	1		2

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
30+64.06	0		0
31+00.00	3		0
31+50.00	5		36
32+00.00	1		104
32+50.00	0		142
33+00.00	0		113
33+39.60	0		62

Station Y3	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
14+00.00	0		0
14+50.00	0		295
15+00.00	0		798
15+50.00	22		573
16+00.00	69		11
16+50.00	198		0

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
37+00.00	0		0
37+50.00	0		2394
38+00.00	0		1706

Station L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
38+50.00	476		379
39+00.00	1476		0
39+50.00	1943		0
40+00.00	1411		7
40+50.00	468		377

Station Dr3	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
12+60.00	0		0
13+00.00	0		0
13+50.00	6		109
14+00.00	117		225
14+50.00	117		963
14+97.04	117		963

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PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-1F

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS–SECTION SUMMARY PHASE 4

NOTE: QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL RECROSS–SECTION THE WORK ACCURATELY WHEN THE PROJECT IS STAKEDOUT. THESE CROSS–SECTION NOTES WILL BE USED IN COMPUTING THE FINAL QUANTITIES FOR WHICH THE CONTRACTOR WILL BE PAID.

NOTE: EMBANKMENT DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station Y1	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
15+00.00	0		0
15+50.00	3		20
16+00.00	3		12
16+50.00	10		5
17+00.00	19		1
17+50.00	11		3
18+00.00	0		20
18+50.00	0		55
19+00.00	0		38

Station Rab1	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
13+00.00	0		552
13+25.00	0		570
13+50.00	0		531
13+58.14	0		531
10+00.00	0		147
10+25.00	0		434
10+50.00	1		425
10+75.00	1		440
11+00.00	0		501

Station Y1	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
21+50.00	0		0
22+00.00	20		172
22+50.00	101		23
23+00.00	90		3
23+50.00	11		4
24+00.00	16		2
24+50.00	17		1
25+00.00	6		23
25+50.00	3		41

Station Y3DET removal	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+11.38	0		0
10+50.00	197		15
11+00.00	330		62
11+50.00	75		130
12+00.00	0		110
12+50.00	0		80

Station Y8	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
11+06.07	0		0
11+50.00	0		10
12+00.00	1		7

Station Y8A	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
12+50.00	0		0
13+00.00	0		6
13+18.25	0		1

Station Dr16	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+10.08	0		0
10+50.00	54		71
11+00.00	62		70
11+27.65	16		14

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PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-1C

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS–SECTION SUMMARY PHASE 5

NOTE: QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL RECROSS–SECTION THE WORK ACCURATELY WHEN THE PROJECT IS STAKEDOUT. THESE CROSS–SECTION NOTES WILL BE USED IN COMPUTING THE FINAL QUANTITIES FOR WHICH THE CONTRACTOR WILL BE PAID.

NOTE: EMBANKMENT DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station Y7	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
19+50.00	0		0
20+00.00	0		191
20+50.00	0		116
21+00.00	0		74
21+20.00	0		62
21+40.00	0		103

Station Y8	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+18.41	0		0
10+50.00	0		400
11+00.00	0		665
11+06.07	0		84

Station Rab2	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+60.70	0		0
11+00.00	0		1630
11+25.00	0		1011
11+50.00	0		975
11+75.00	0		999
11+85.00	0		412

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PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-1H

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS–SECTION SUMMARY PHASE 6

NOTE: QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL RECROSS–SECTION THE WORK ACCURATELY WHEN THE PROJECT IS STAKEDOUT. THESE CROSS–SECTION NOTES WILL BE USED IN COMPUTING THE FINAL QUANTITIES FOR WHICH THE CONTRACTOR WILL BE PAID.

NOTE: EMBANKMENT DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station Dr24	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+25.00	0		0
10+50.00	3		199
10+75.00	61		40
11+00.00	101		34
11+25.00	65		58
11+50.00	23		49
11+75.00	2		18
12+00.00	3		2
12+12.00	1		0

Station Dr25	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+25.00	0		0
10+50.00	34		1
10+75.00	37		0

Station L3	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
99+50.00	0		0
100+00.00	0		75
100+50.00	0		121
101+00.00	0		182
101+50.00	0		256
102+00.00	0		309
102+50.00	0		308
103+00.00	0		253
103+50.00	0		178
104+00.00	0		245
104+50.00	0		229
105+00.00	0		176
105+50.00	1		143
106+00.00	40		33
106+32.89	45		7

Station L3	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
90+50.00	0		0
91+00.00	3		27
91+50.00	0		33
92+00.00	2		34
92+50.00	5		33
93+00.00	7		36
93+50.00	6		37
94+00.00	3		32
94+50.00	1		26
95+00.00	0		22
95+50.00	1		23
96+00.00	1		28
96+50.00	3		33
97+00.00	6		36

Station L3	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
97+50.00	8		41
98+00.00	10		42
98+50.00	11		38
99+00.00	9		39
99+50.00	4		20

Station Y11_DET rem.	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
12+00.00	0		0
12+50.00	0		42
13+00.00	0		86
13+50.00	0		145
14+00.00	0		212
14+50.00	0		178
15+00.00	0		82
15+50.00	0		52

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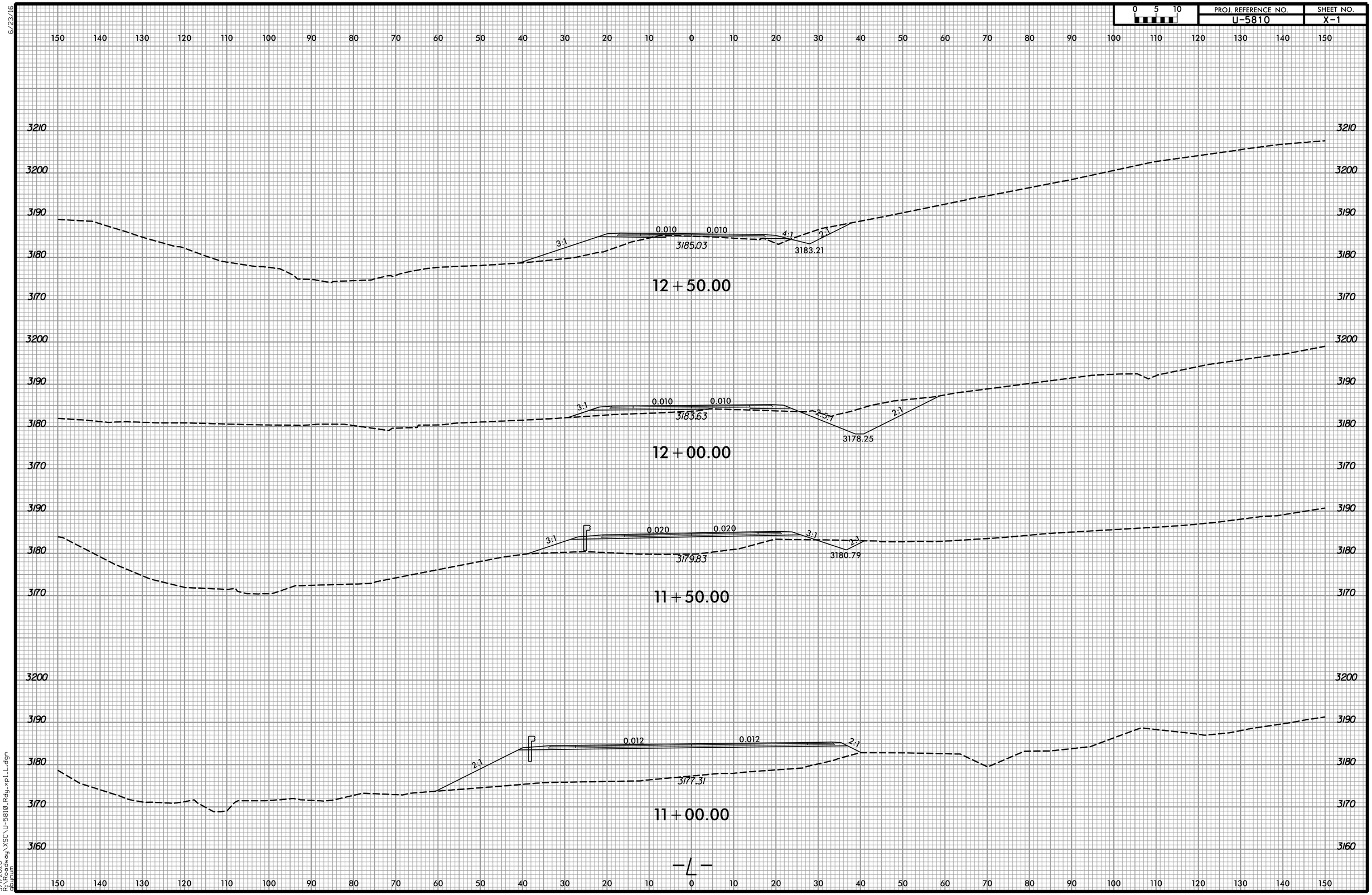

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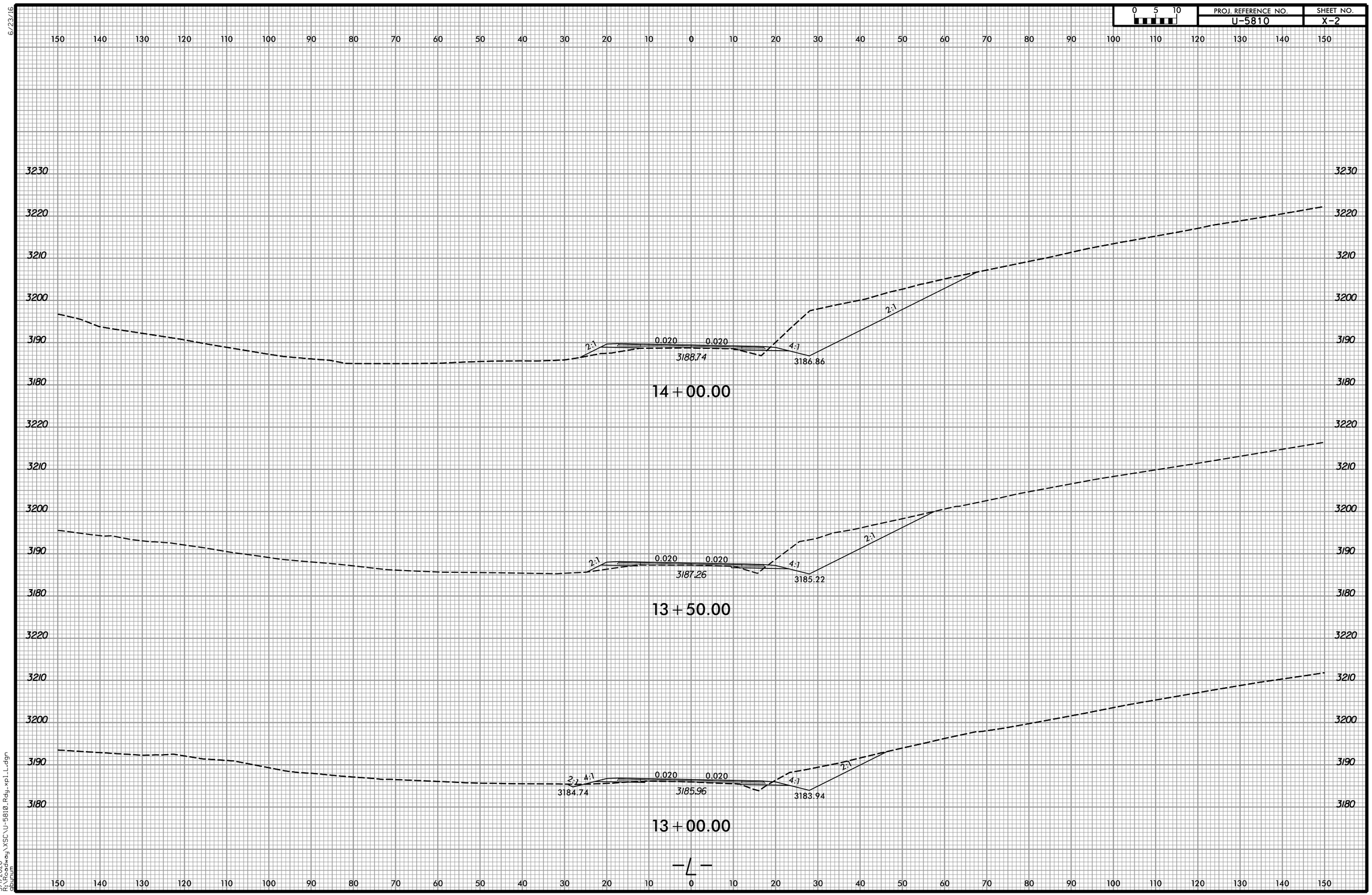

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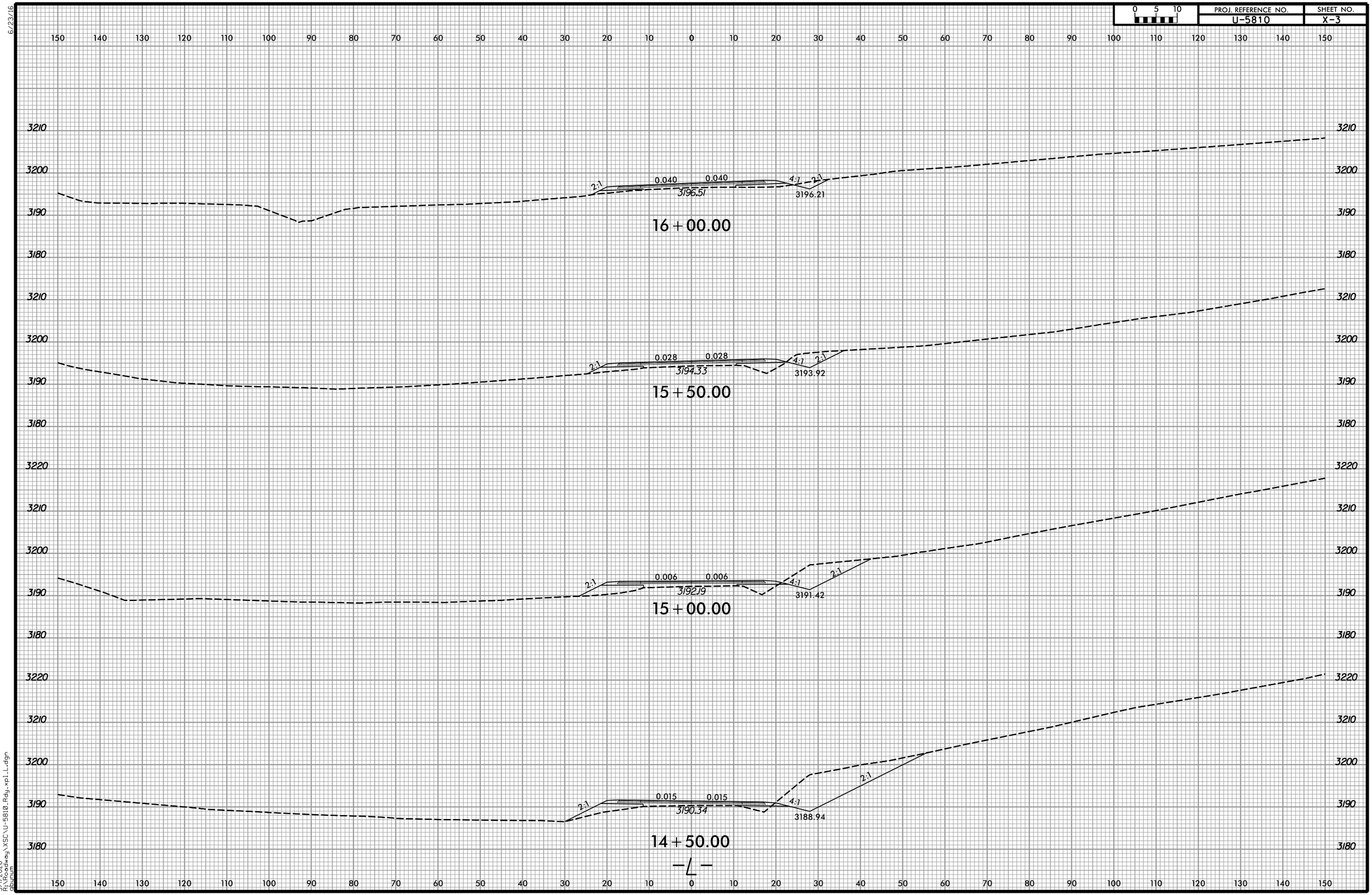

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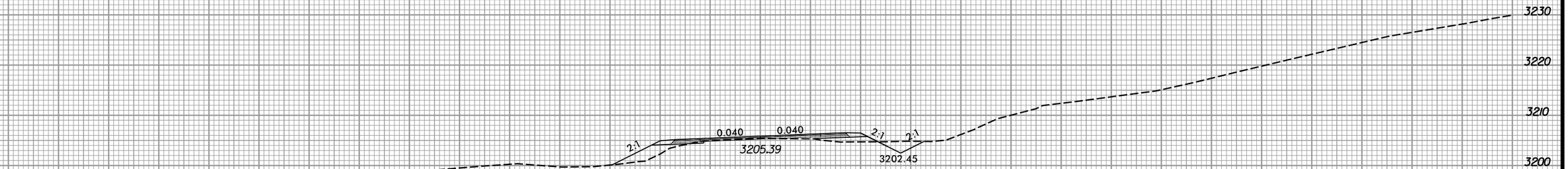

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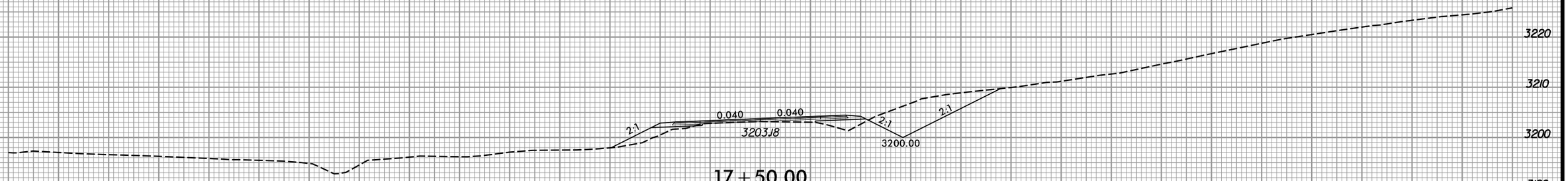

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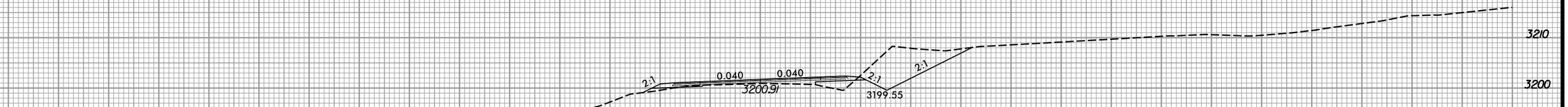

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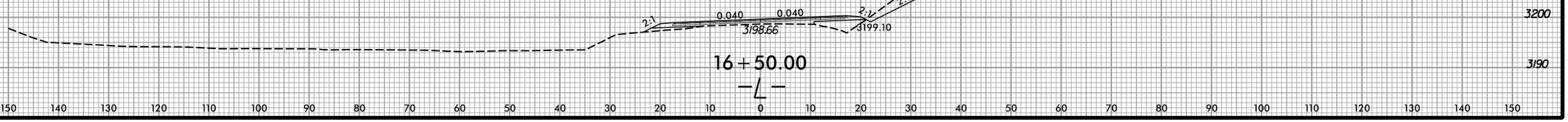

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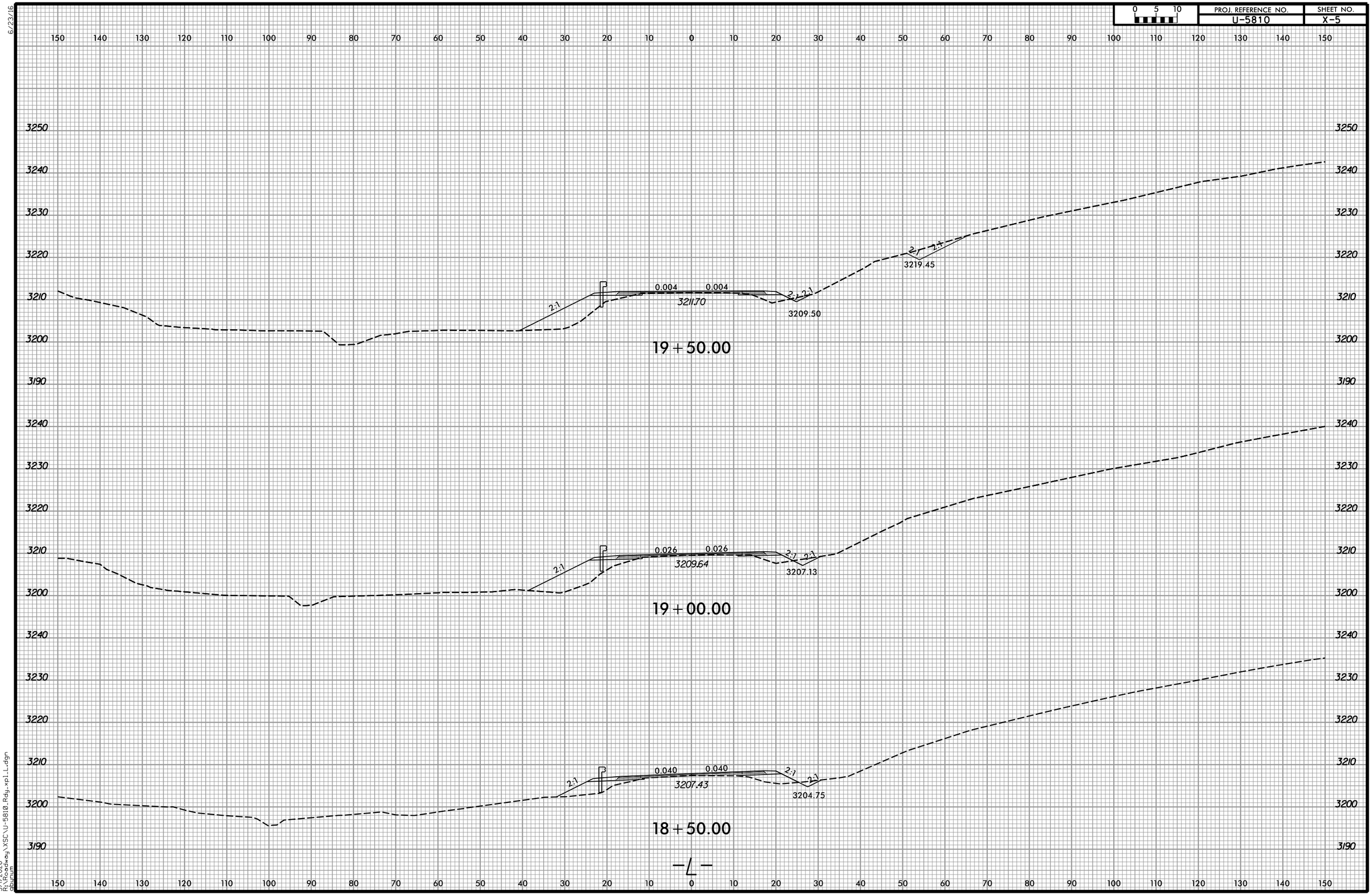

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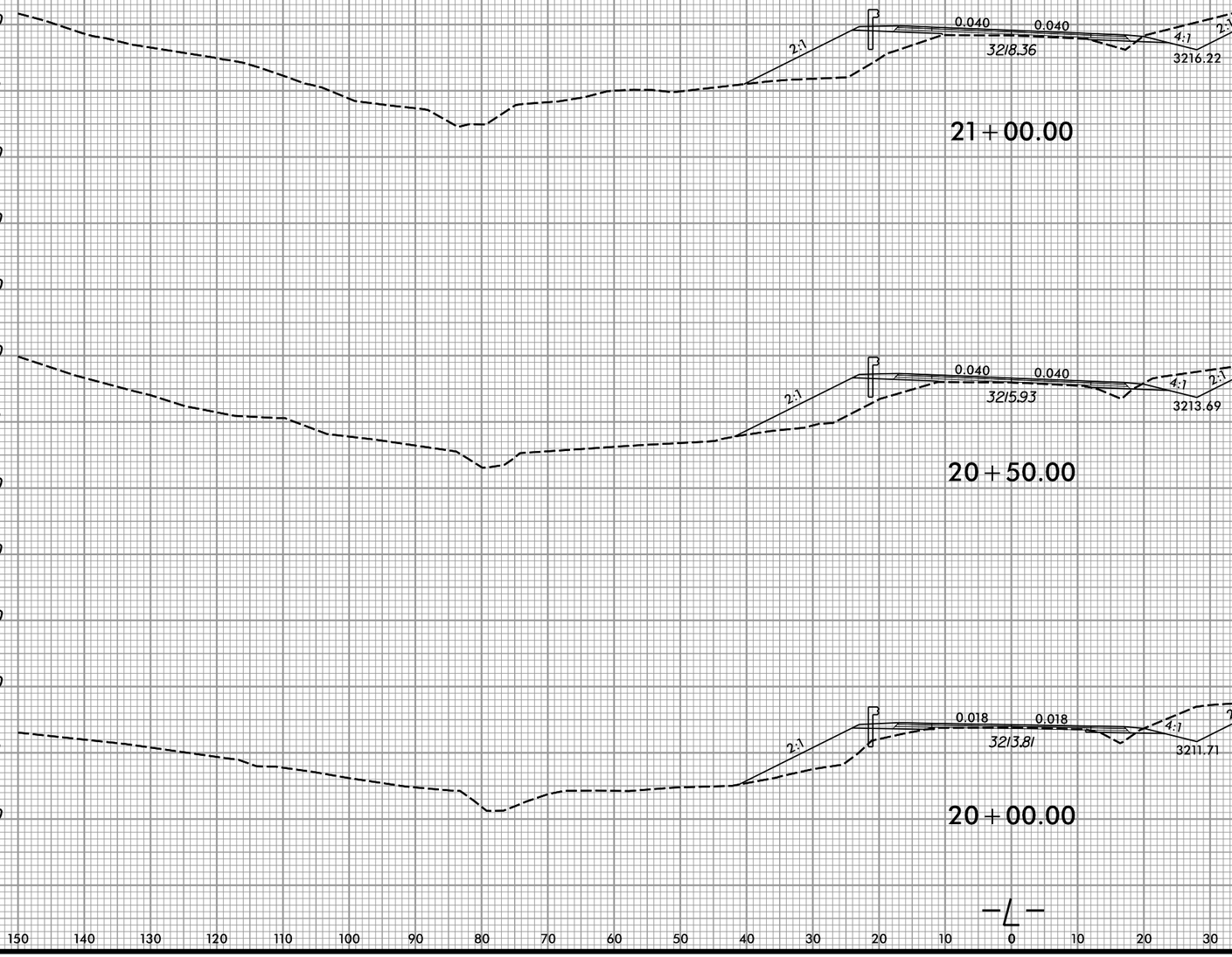
3250 3240 3230 3220 3210 3200



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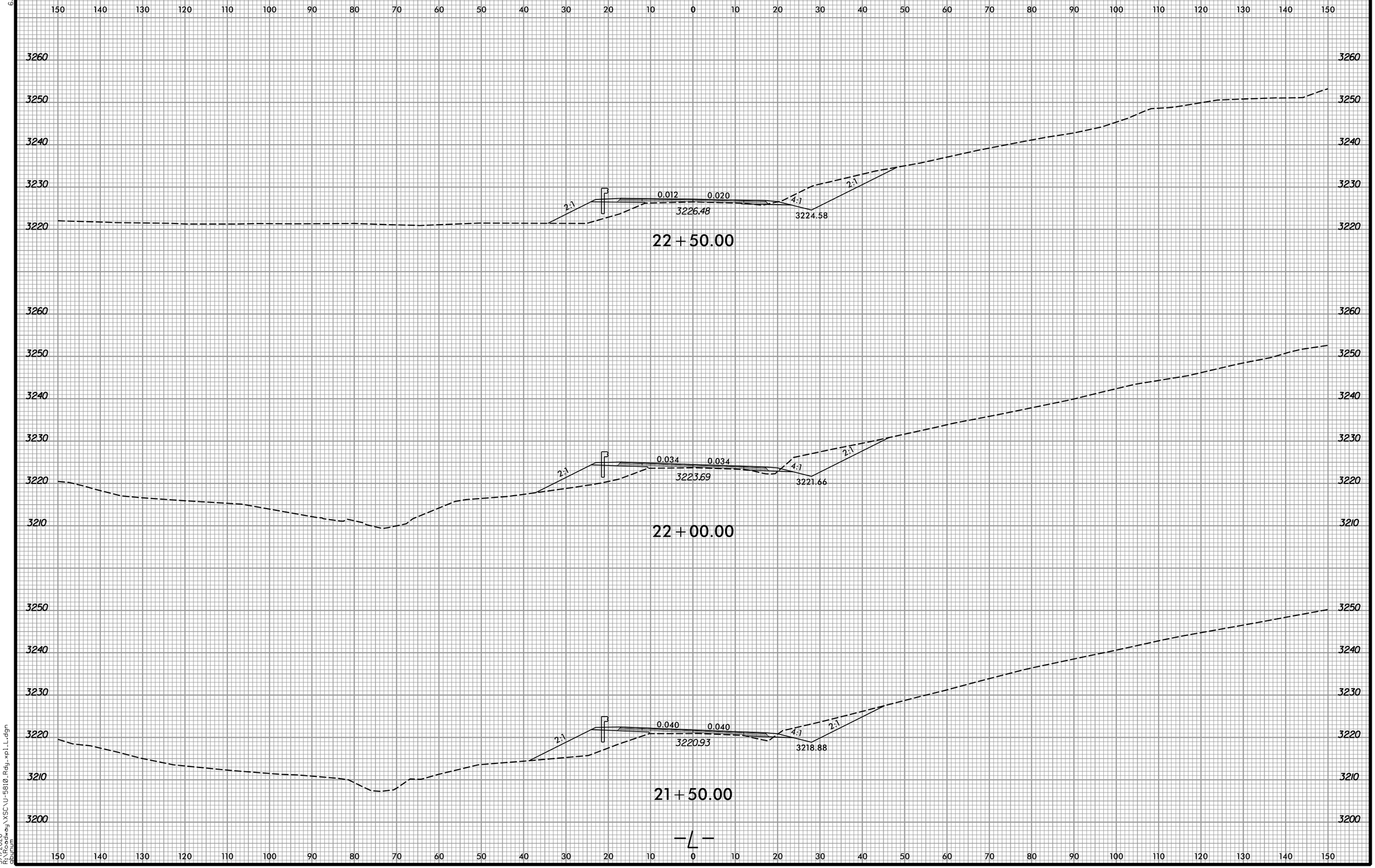

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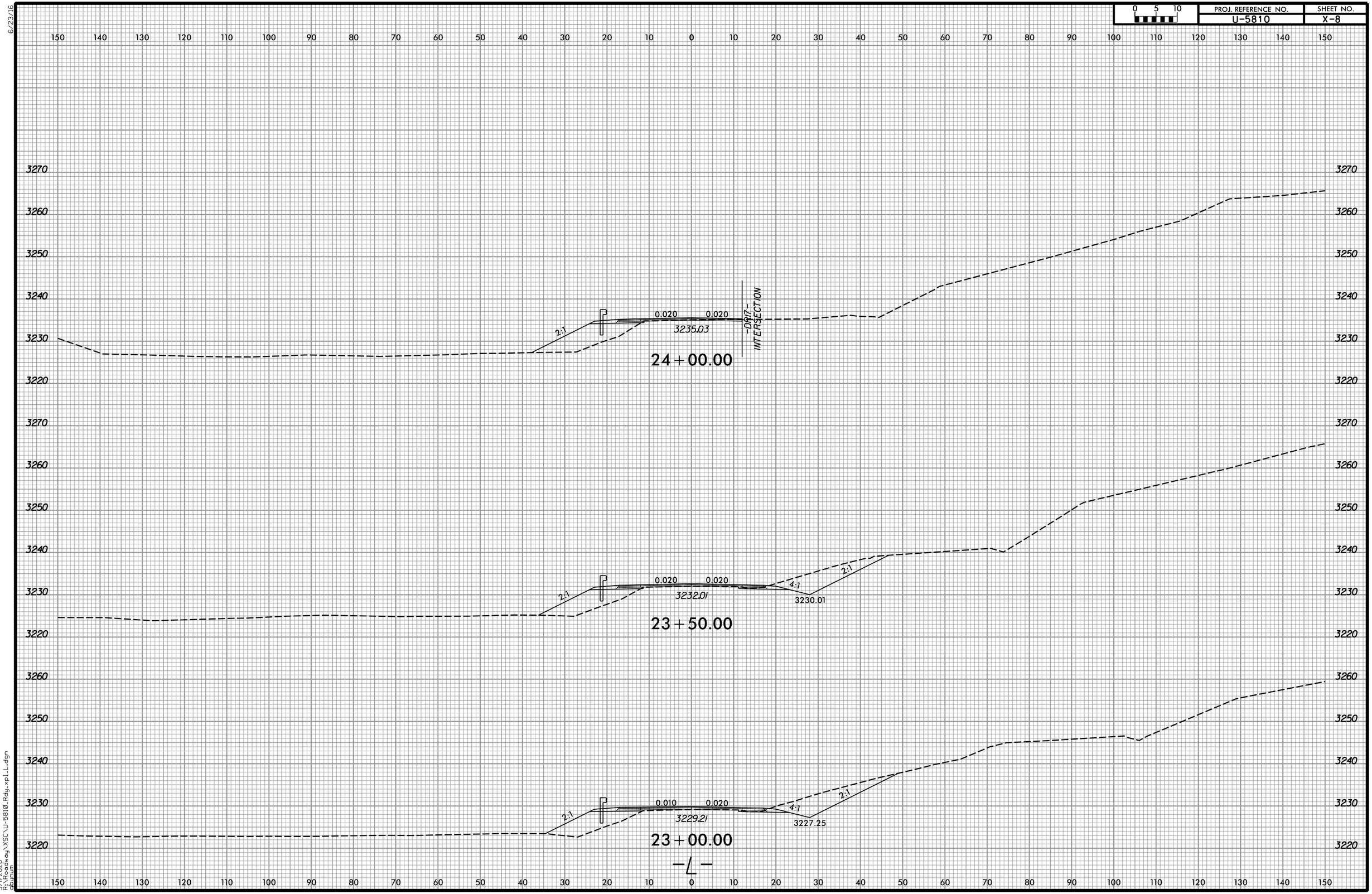

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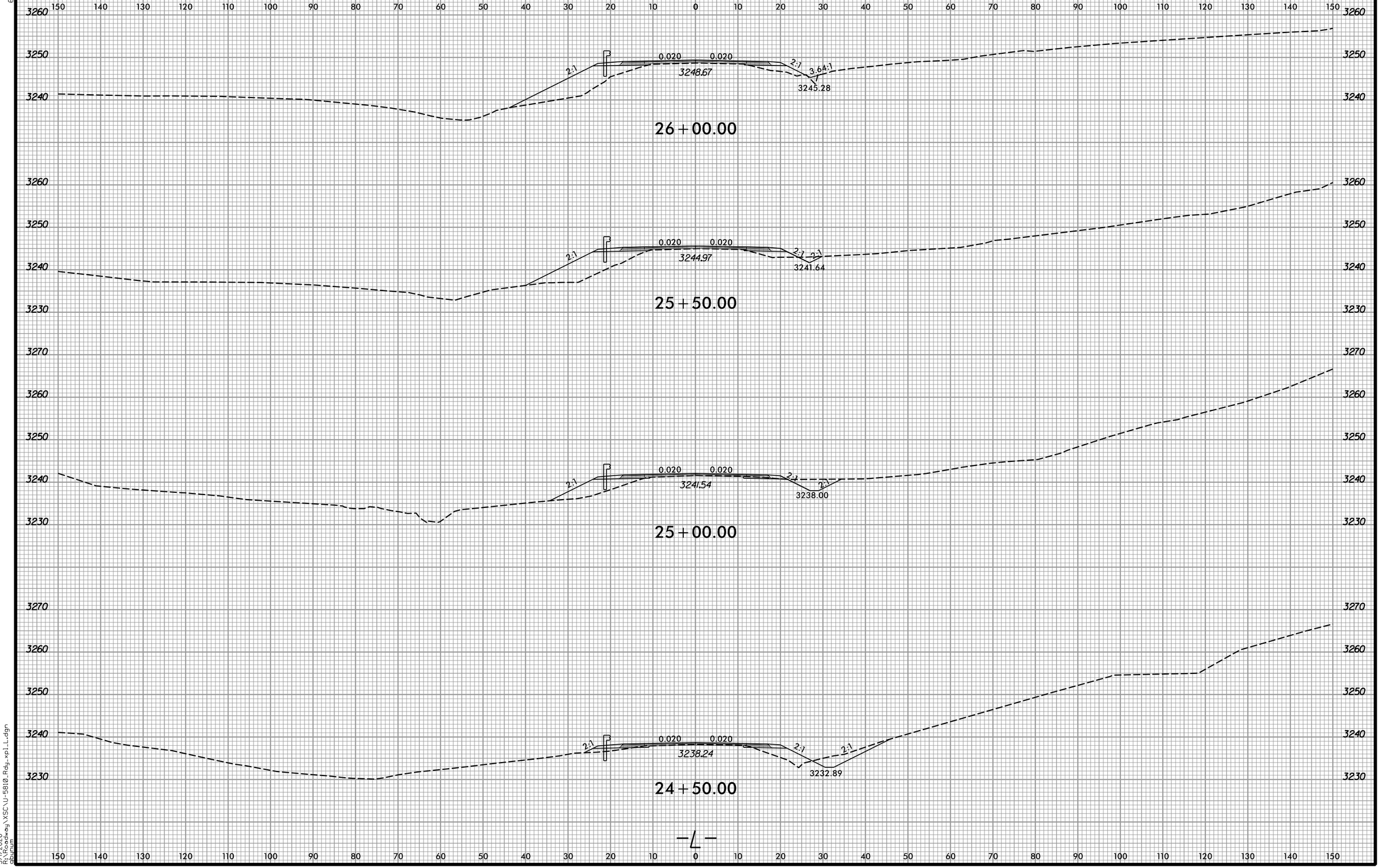

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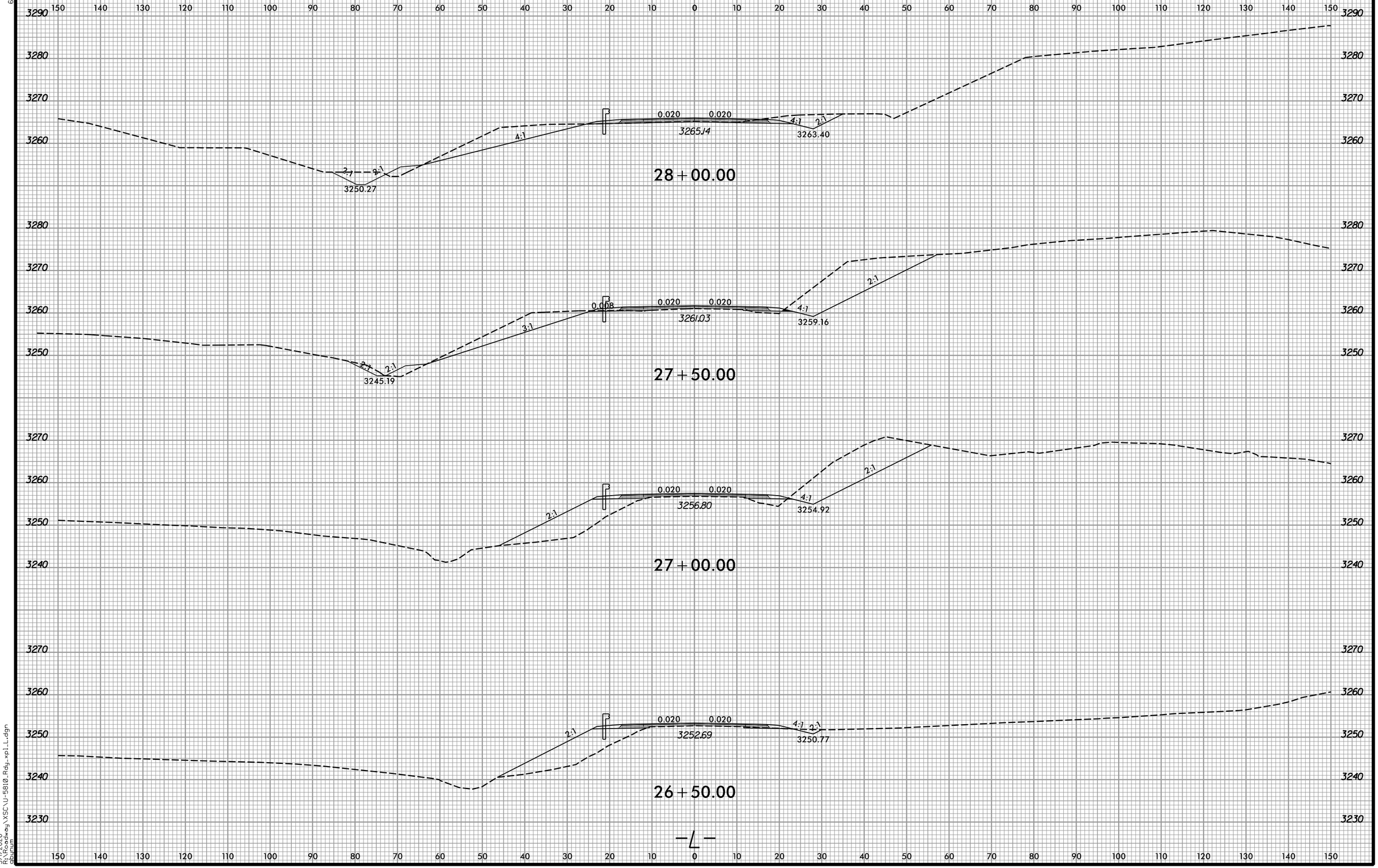

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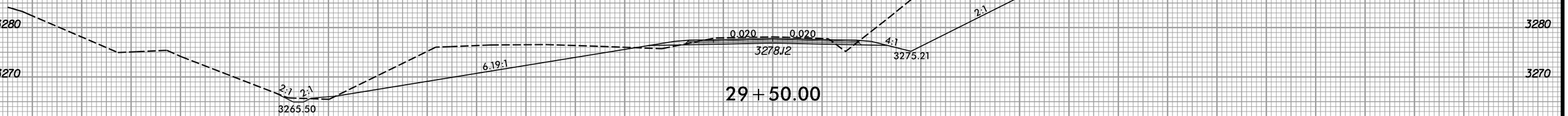

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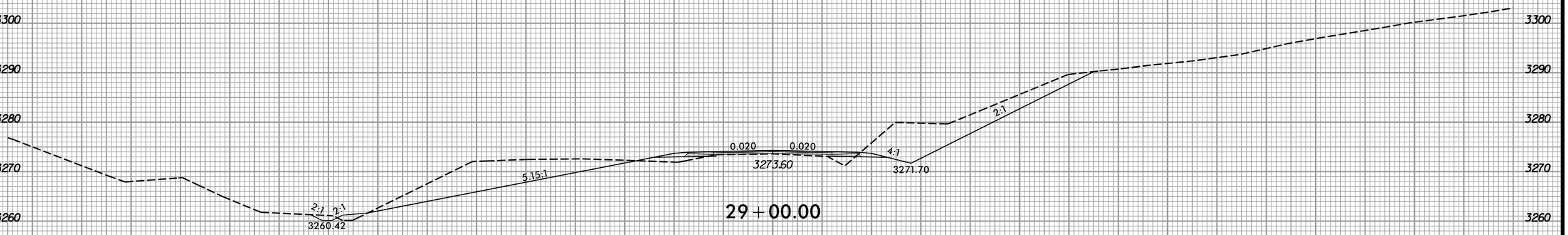
3300 3290 3280 3270 3260



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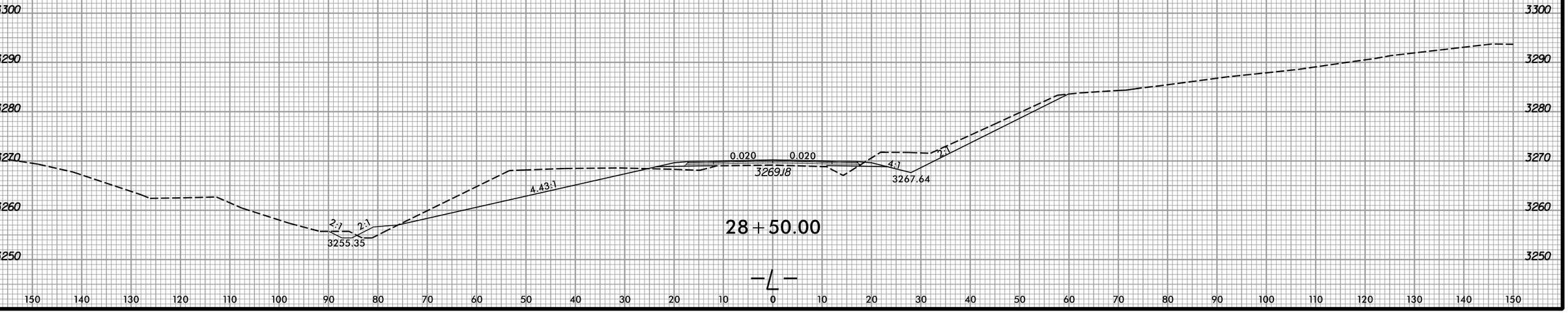

28+50.00

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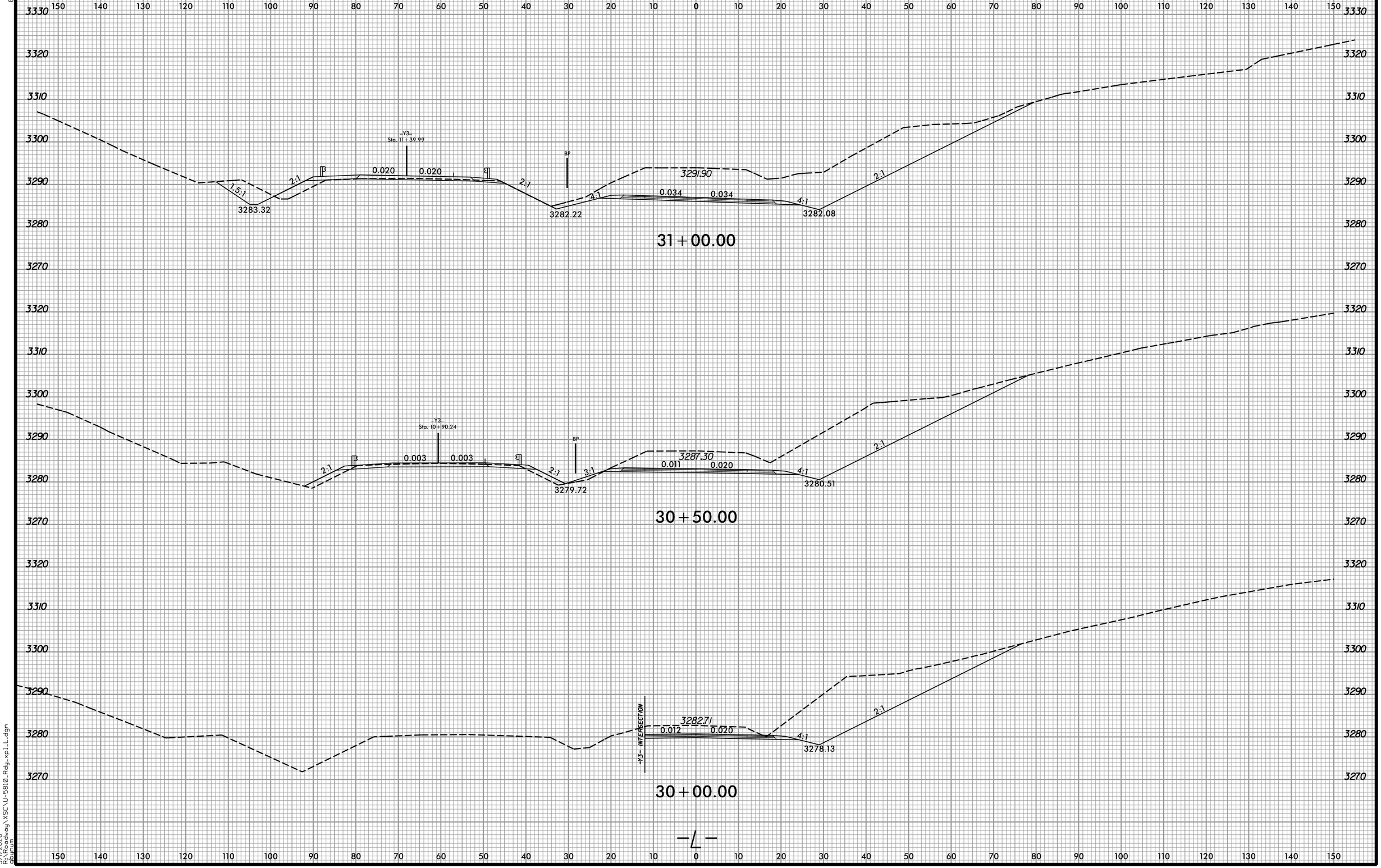

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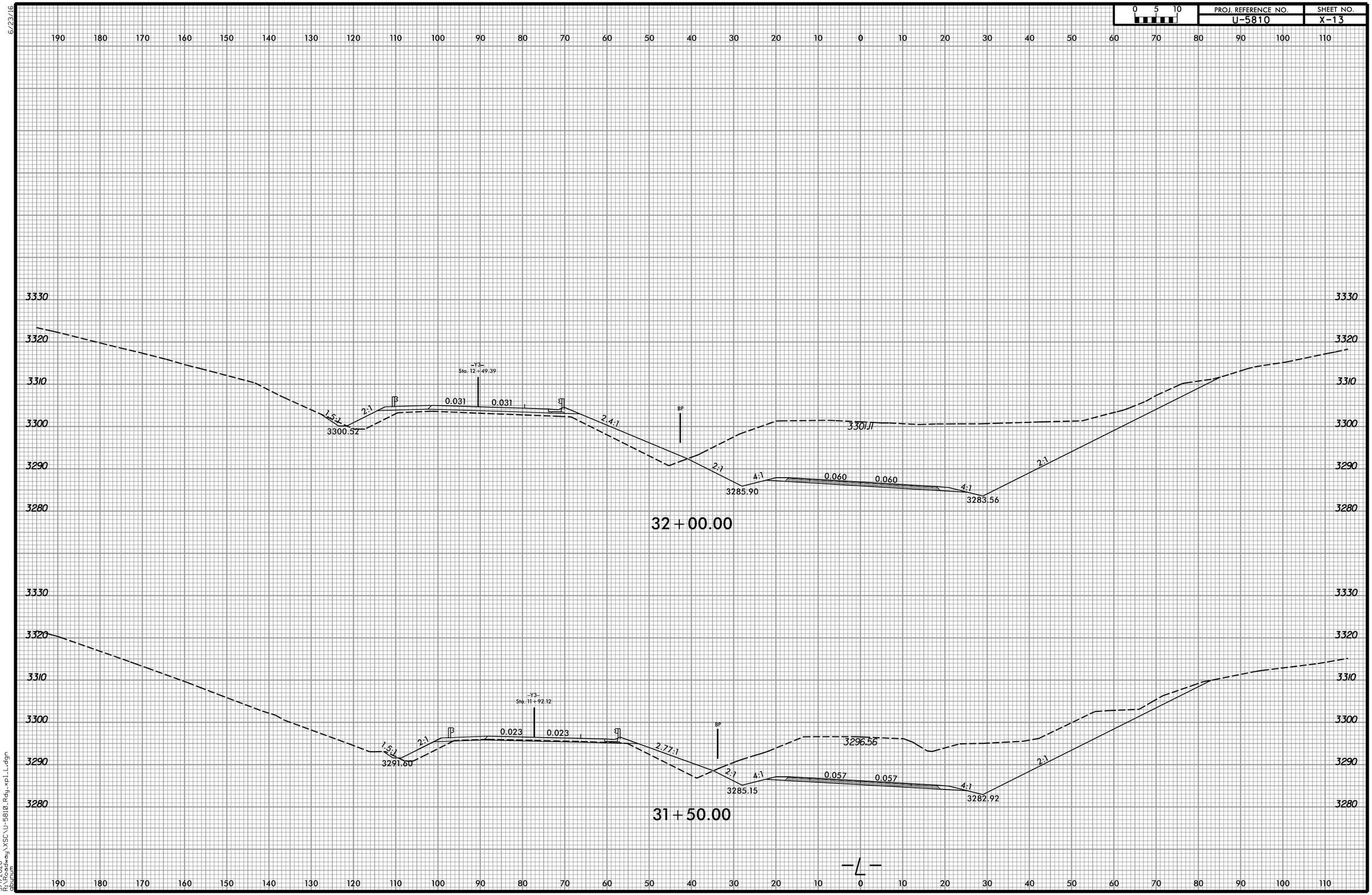

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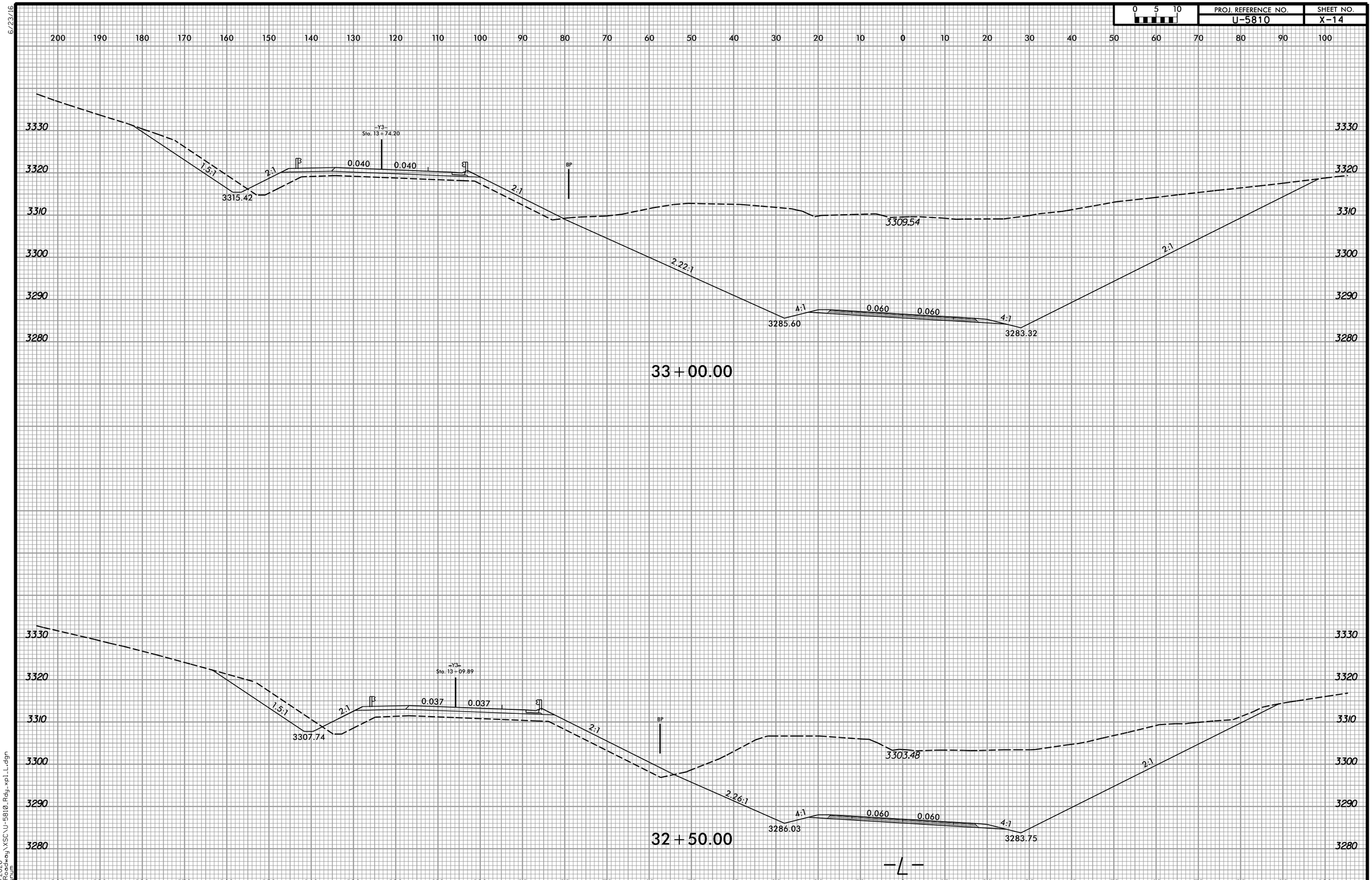

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3330
3320
3310
3300
3290
3280

3323.66

2:1
4:1
0.053
0.053
4:1
2:1
3282.91
3280.88

34+00.00

3314.06

2:1
4:1
0.060
0.060
4:1
2:1
3284.60
3282.32

33+50.00

-L-

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

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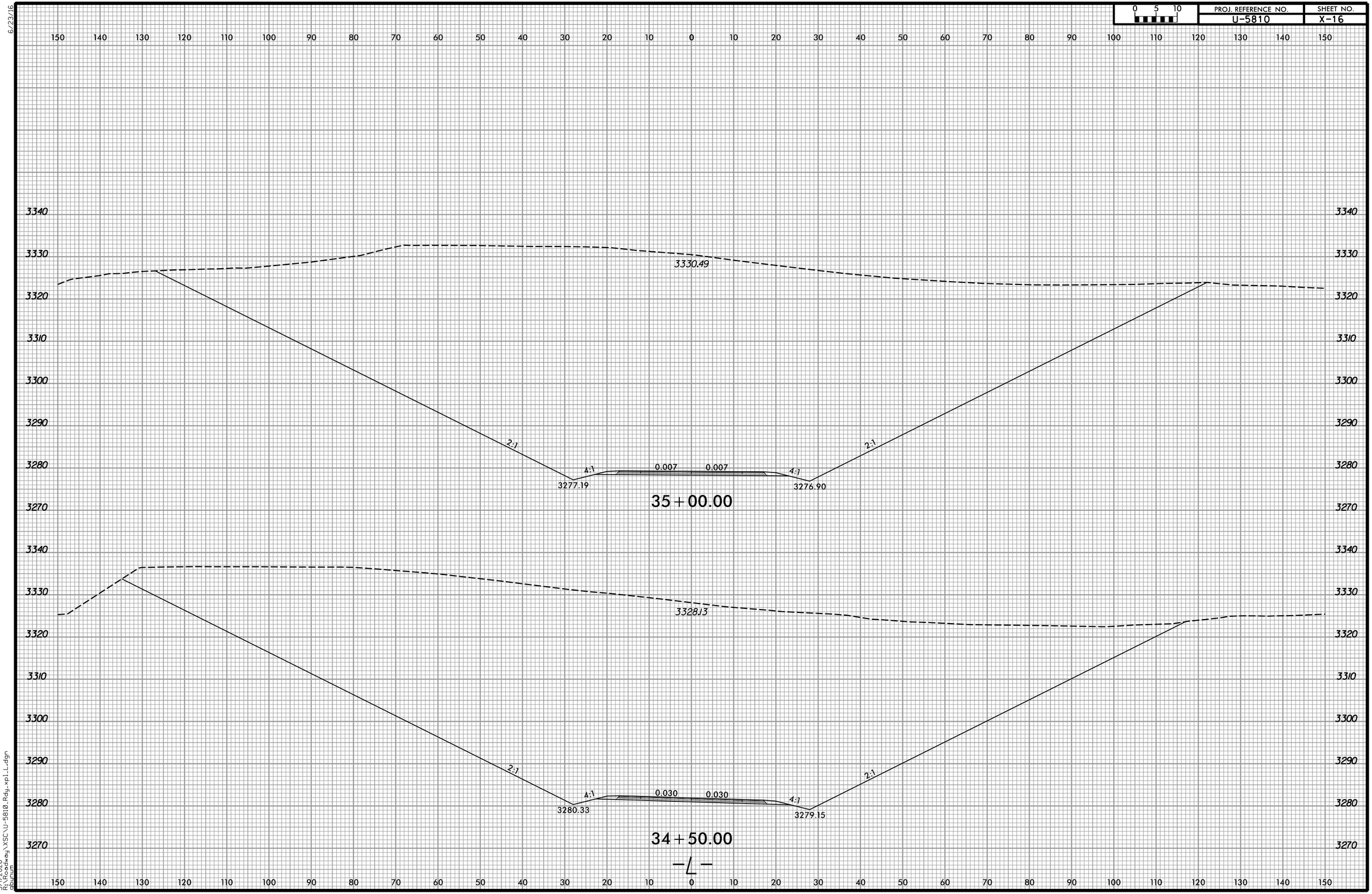

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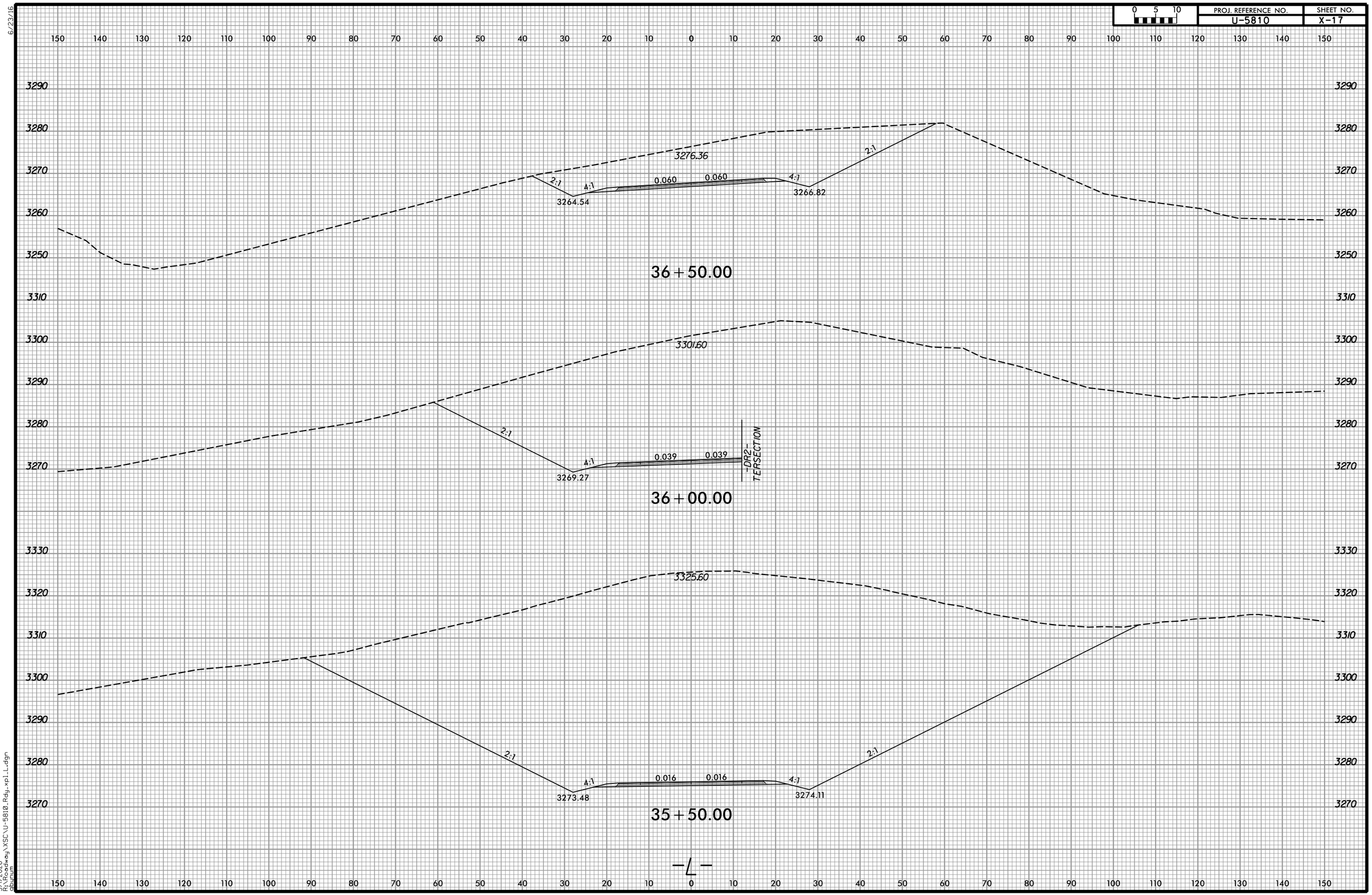
abynum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-17



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K:\Projects\Roadway\XSC\U-5810_Rdy_xpl_L.dgn
dbrunell

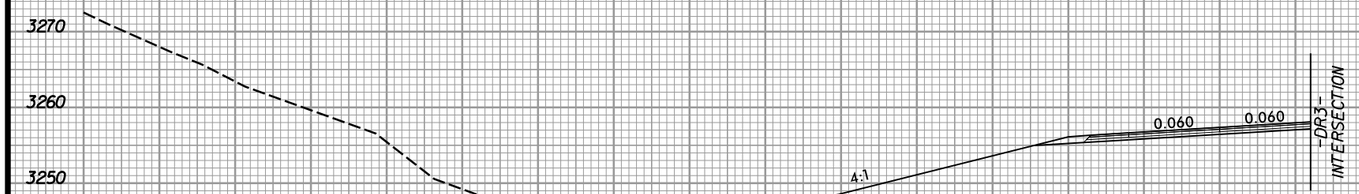
6/23/16

0 5 10

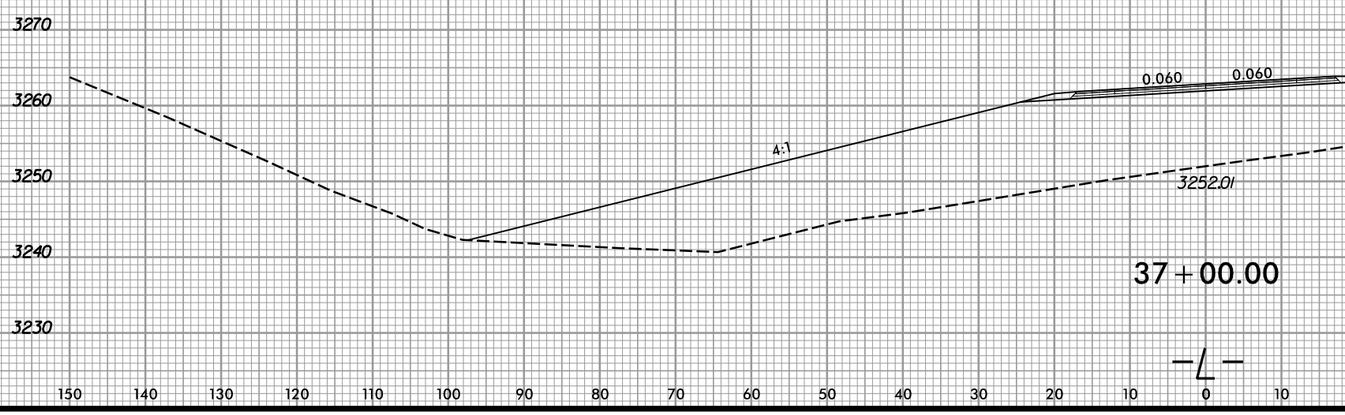
PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-18

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

3280 3270 3260 3250 3240 3230 3220



37 + 50.00



37 + 00.00

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3280 3270 3260 3250 3240 3230

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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gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-19

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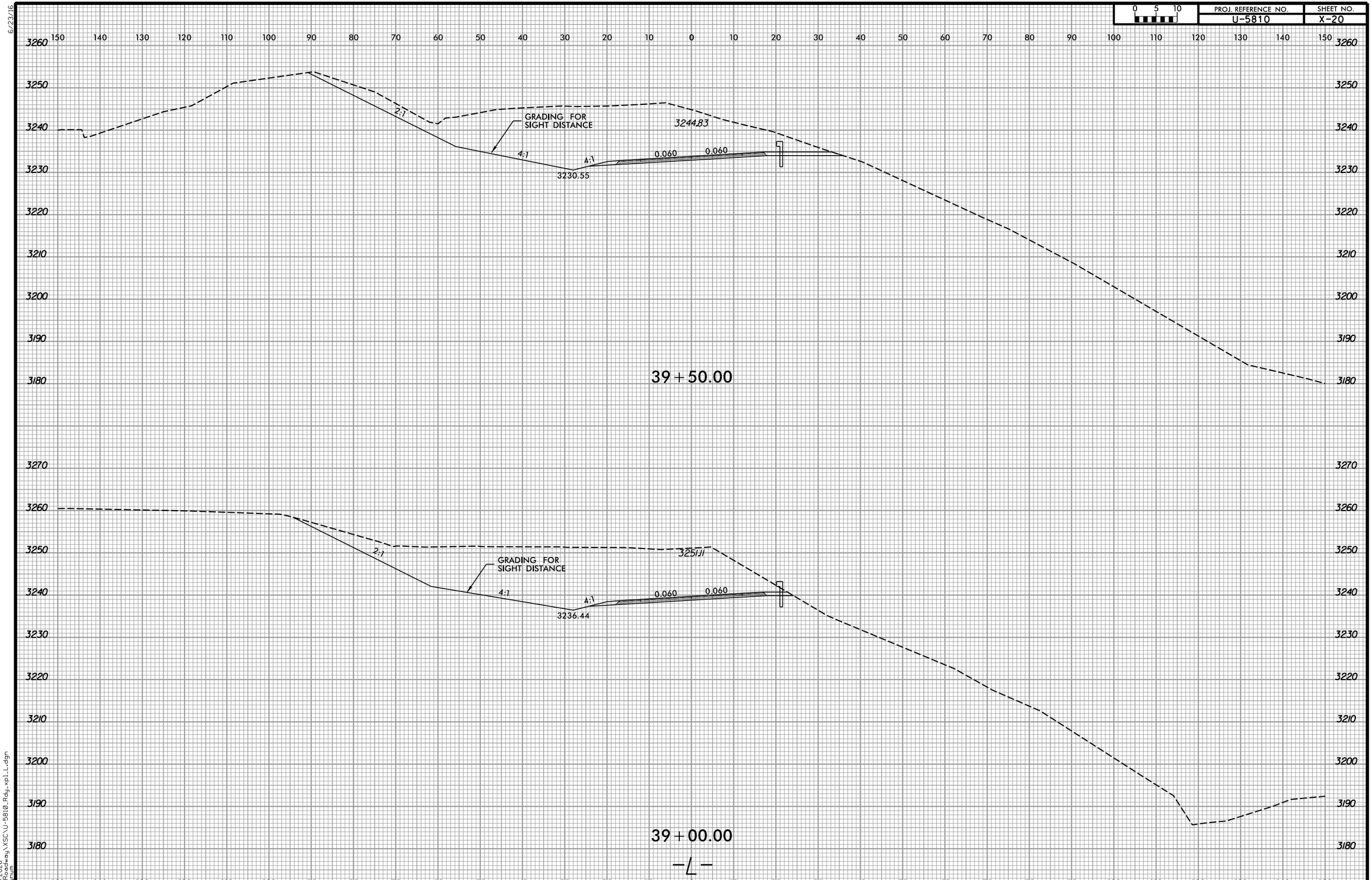
dbruce



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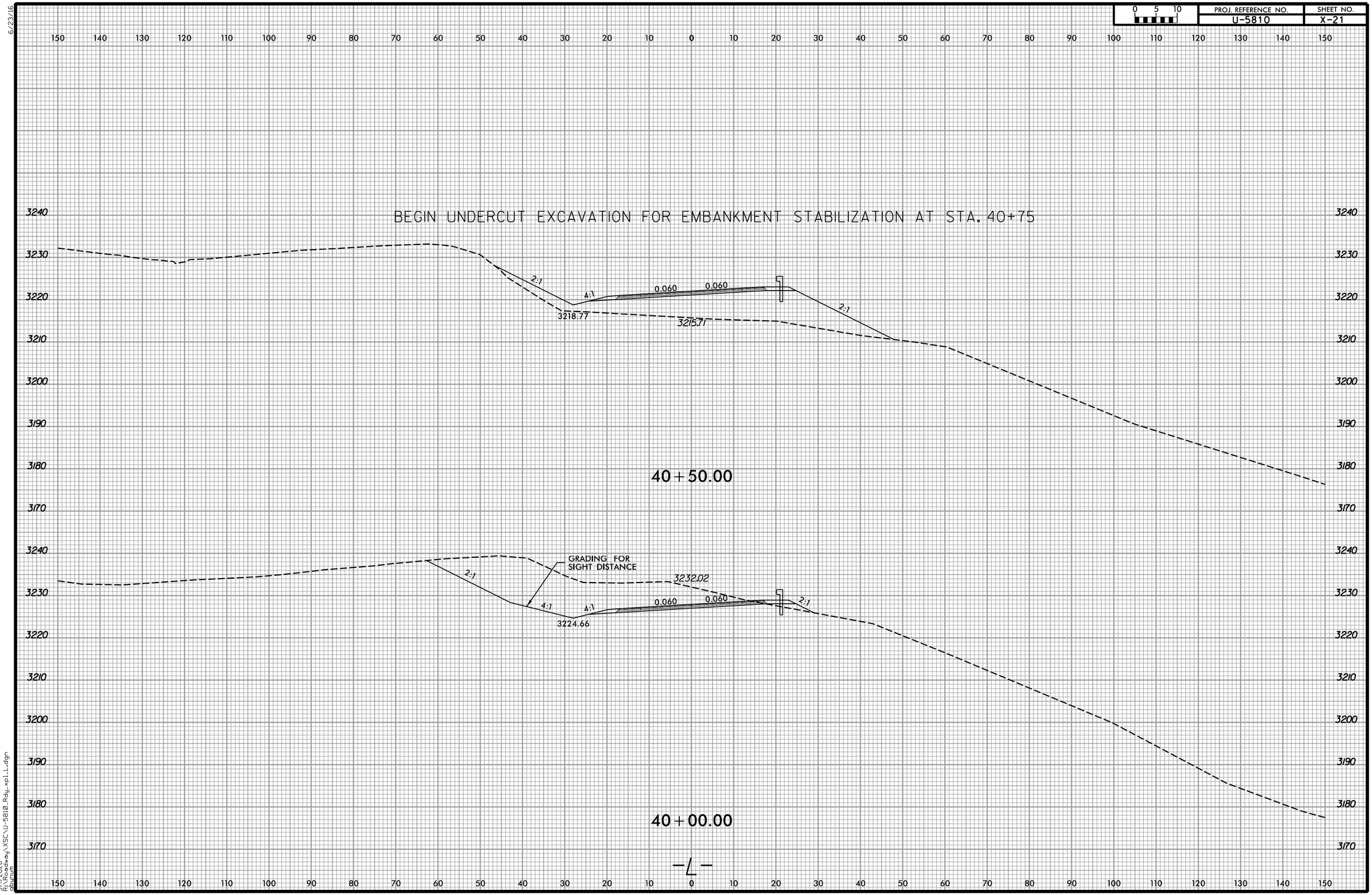
abynum



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abuhum

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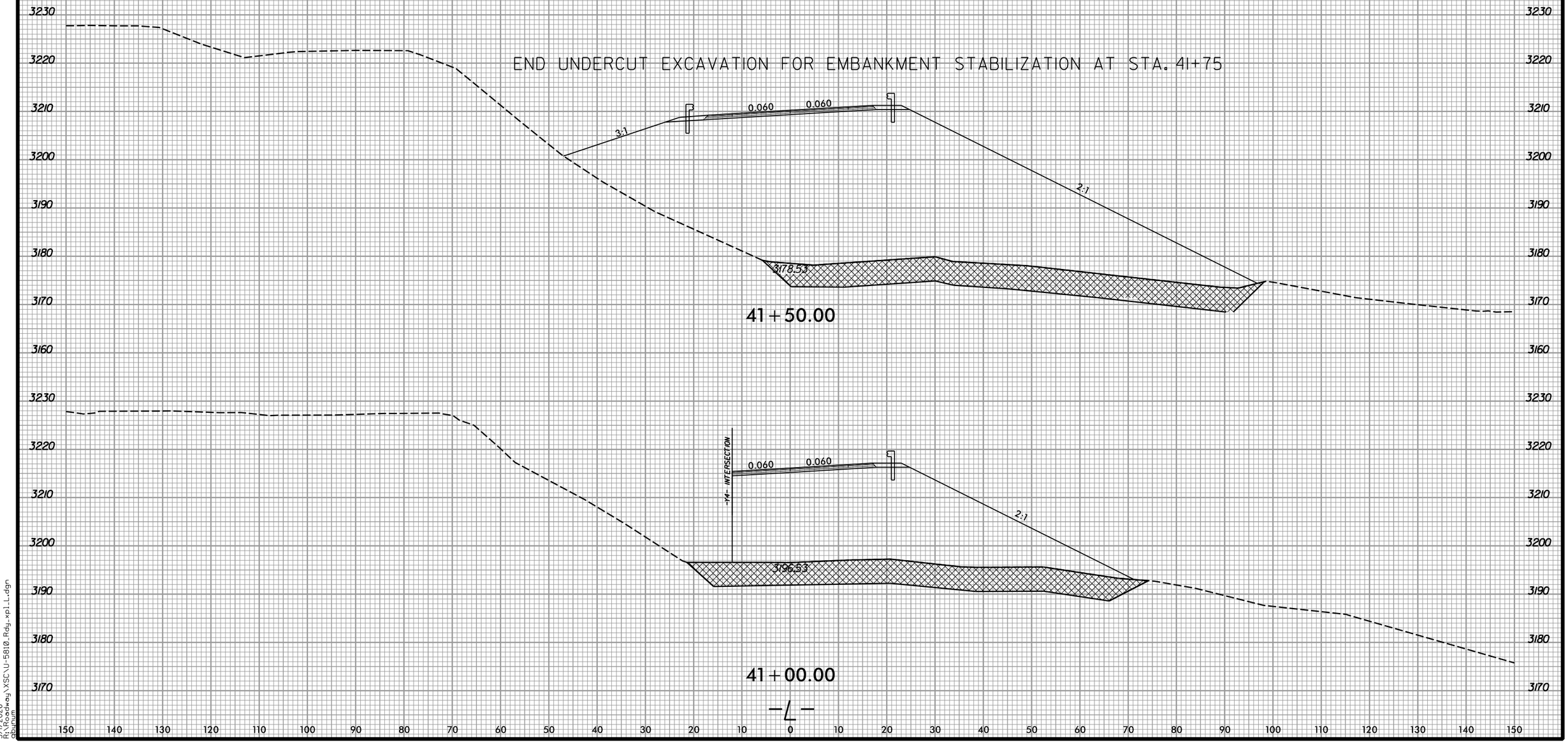
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-22

END UNDERCUT EXCAVATION FOR EMBANKMENT STABILIZATION AT STA. 41+75



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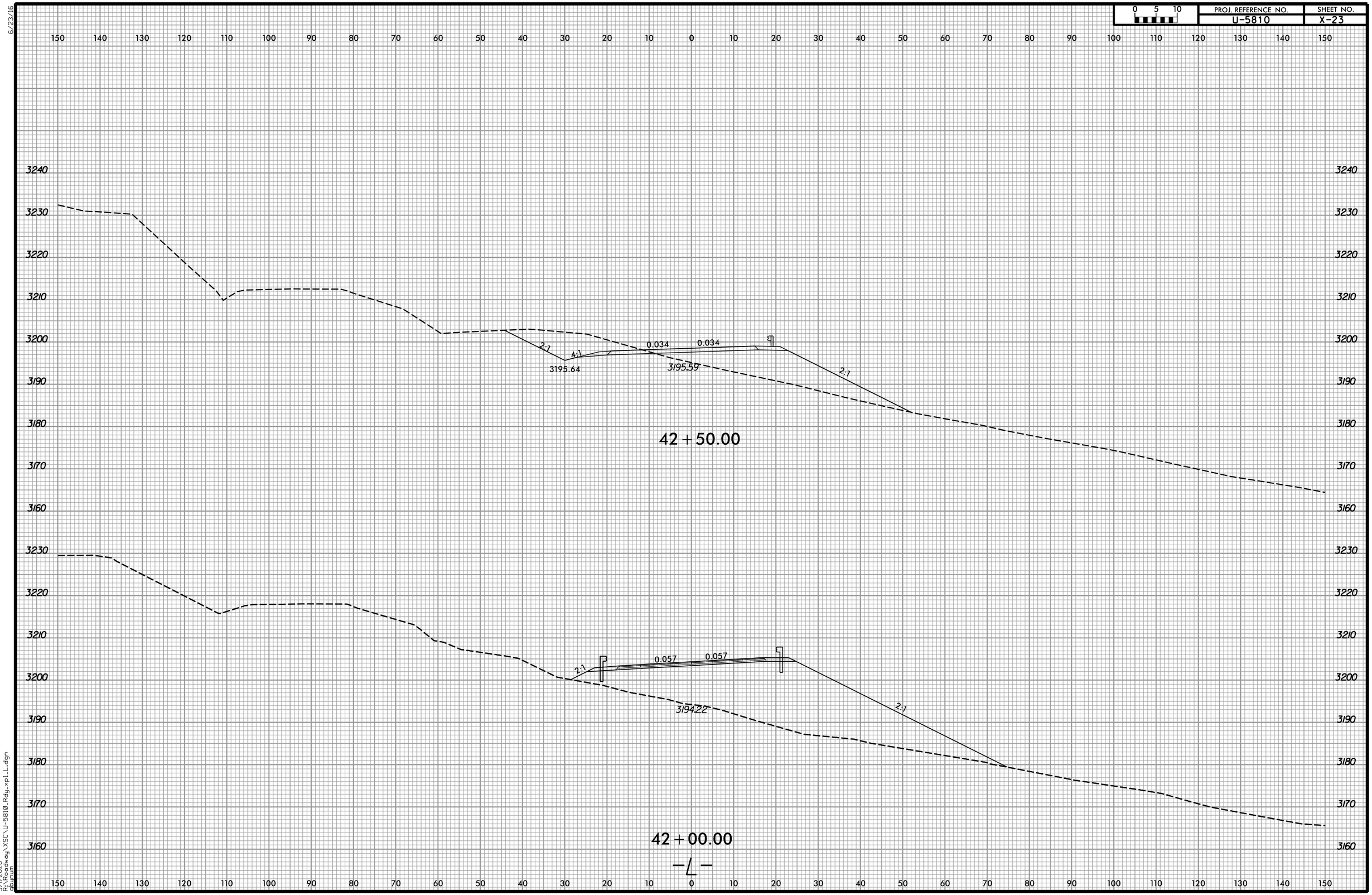
dburum



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abunum

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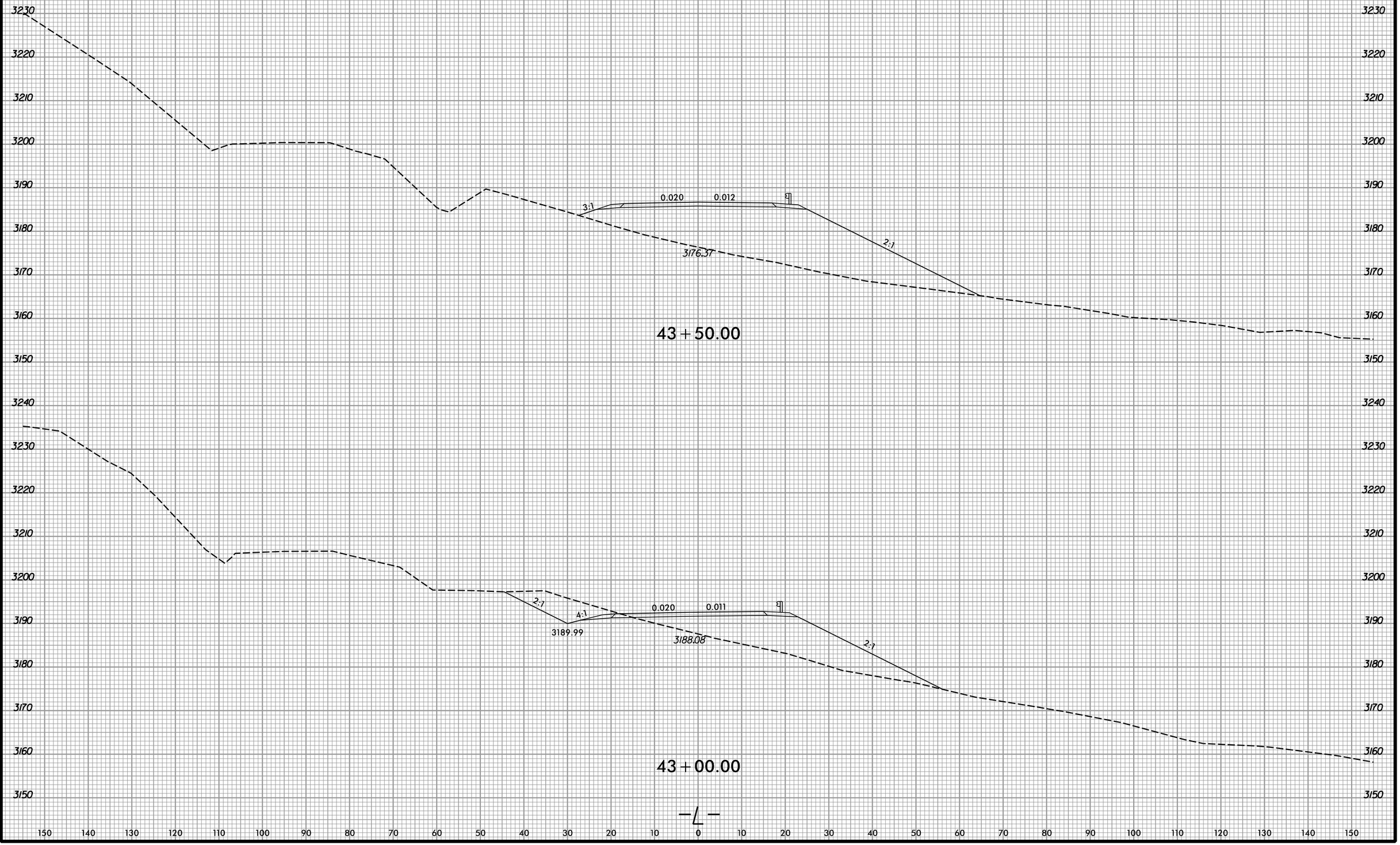
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-24

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

3230 3220 3210 3200 3190 3180 3170 3160 3150 3240



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dburum

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5/1/2026
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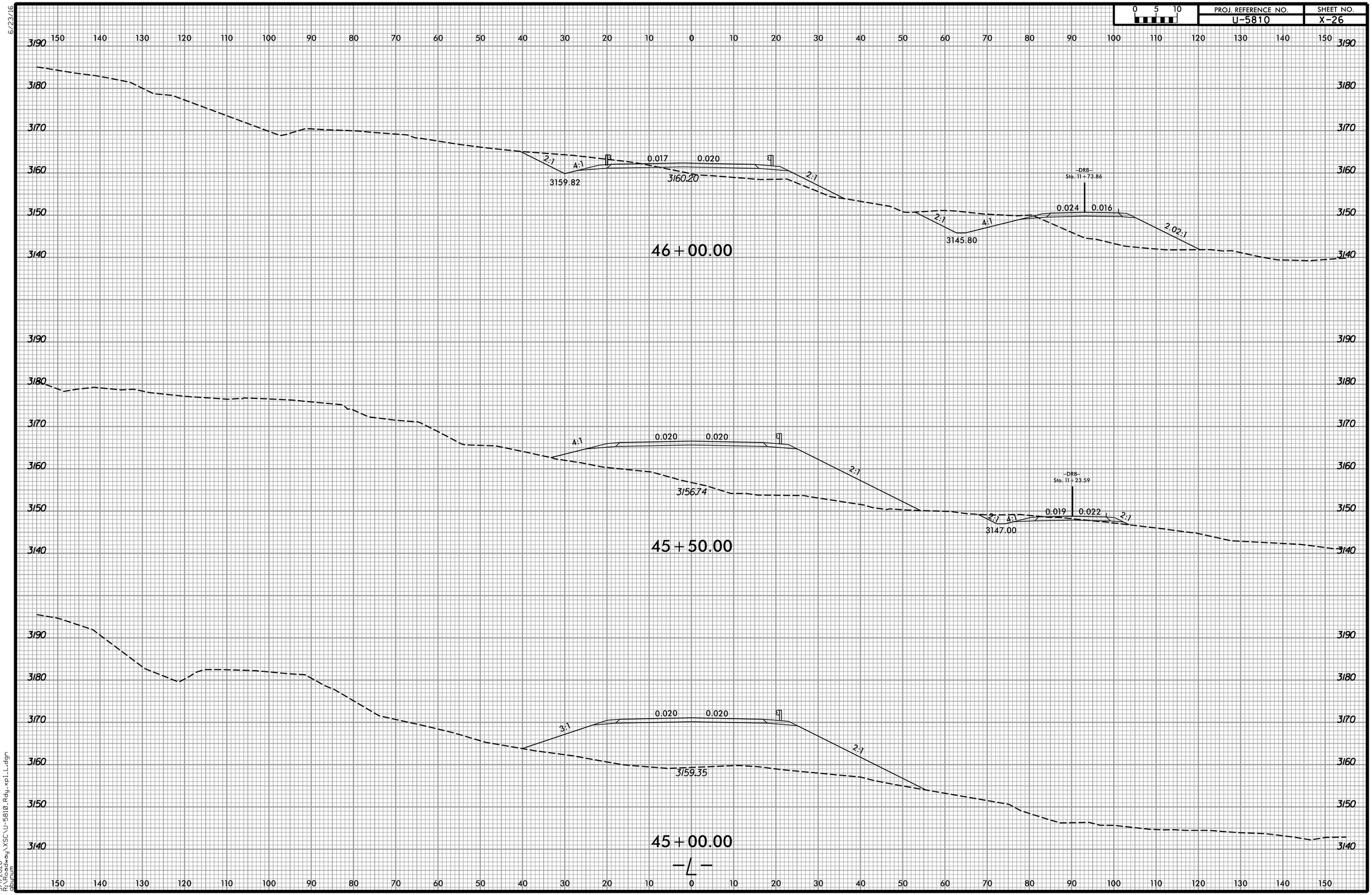
abynum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-26



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dbrunell

6/23/16

0 5 10

PROJ. REFERENCE NO.	SHEET NO.
U-5810	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

3170 3160 3150 3140 3130

5:1 0.050 0.050 2:1

3149.12

2:1 2:1

3141.44

47+50.00

3170 3160 3150 3140 3130

4:1 4:1 0.028 0.028 3:1

3153.35

3151.45

2:1 2:1

3143.45

47+00.00

3180 3170 3160 3150 3140 3130

3:1 4:1 0.005 0.020 4:1

3156.42

3157.81

DRB
Sta. 12+24.40

0.026 0.030

2.43:1 2:1 2.20:1

3144.48

46+50.00

-L-

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

5/1/2026
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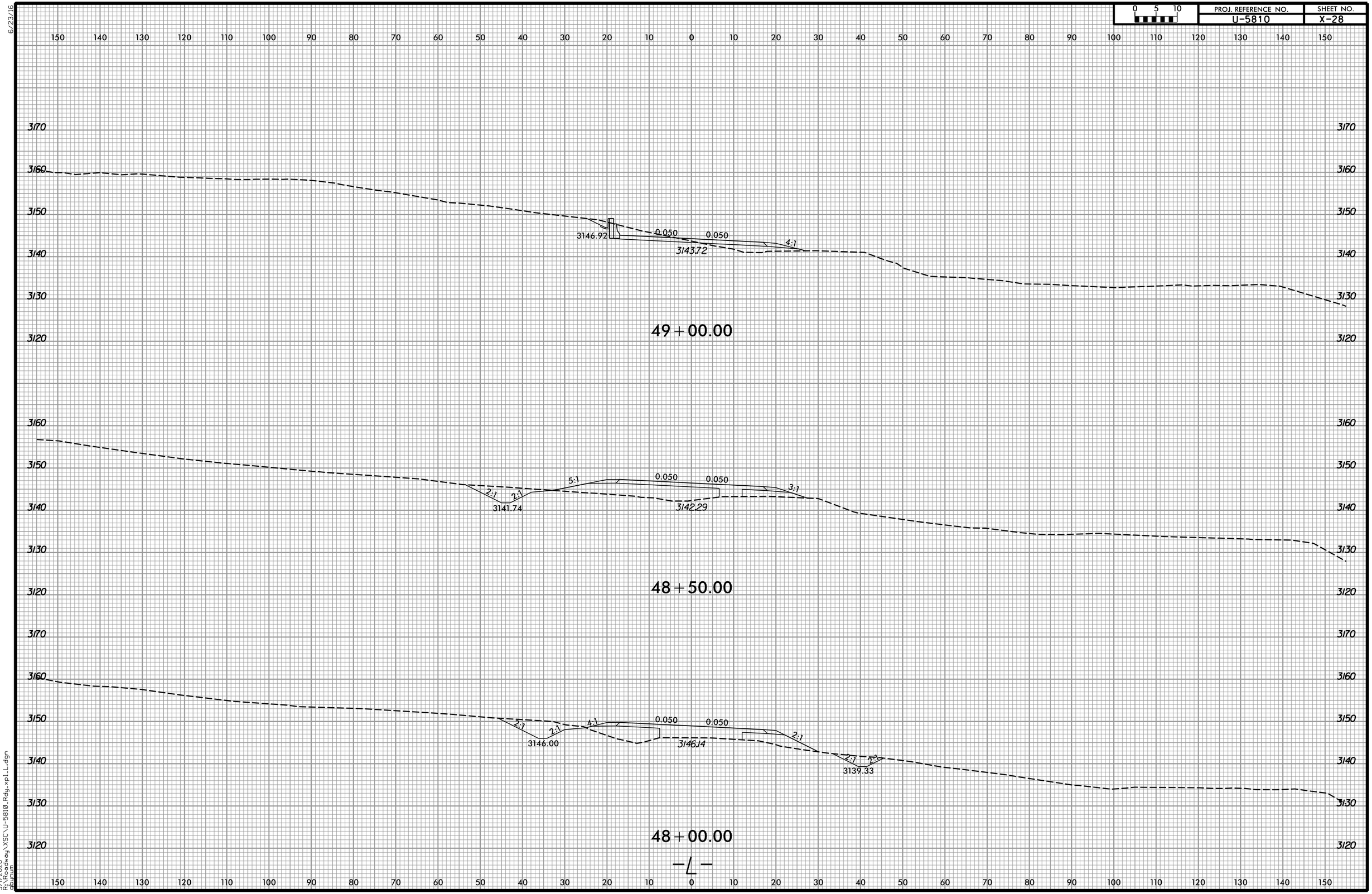
gburton



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R:\Roadway\XSC\U-5810_Rdy_xpl_L.dgn
abynum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	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

3160 3150 3140 3130 3120

PROP. RETAINING WALL

3148.90

3142.66

0.037 0.037 3:1

50+50.00

3160 3150 3140 3130 3120

PROP. RETAINING WALL

3153.35

3147.86

0.050 0.050 4:1

50+00.00

3170 3160 3150 3140 3130 3120

PROP. RETAINING WALL

3151.79

3146.68

0.050 0.030 5:1

49+50.00

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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

5/1/2026
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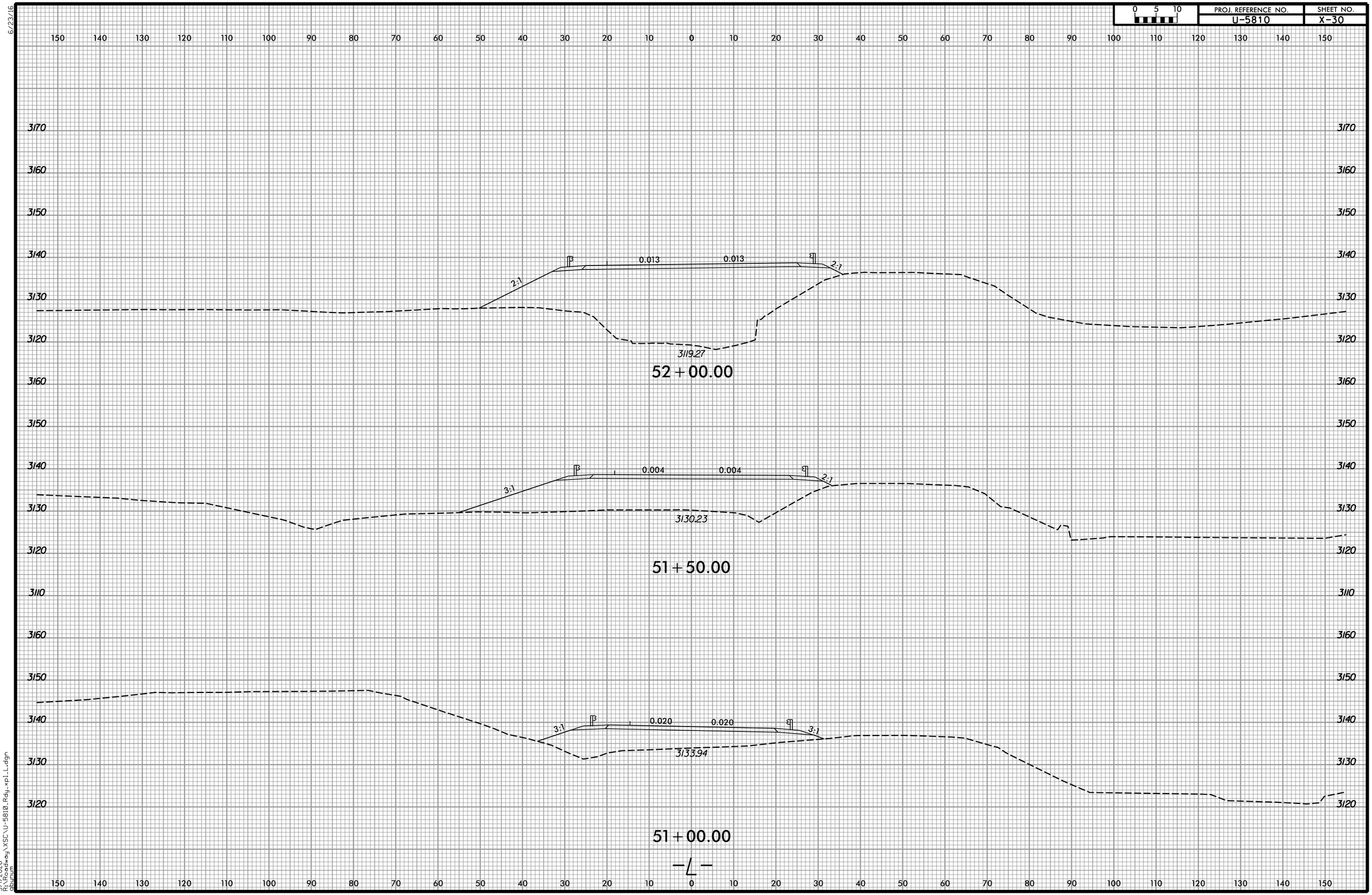
gburum



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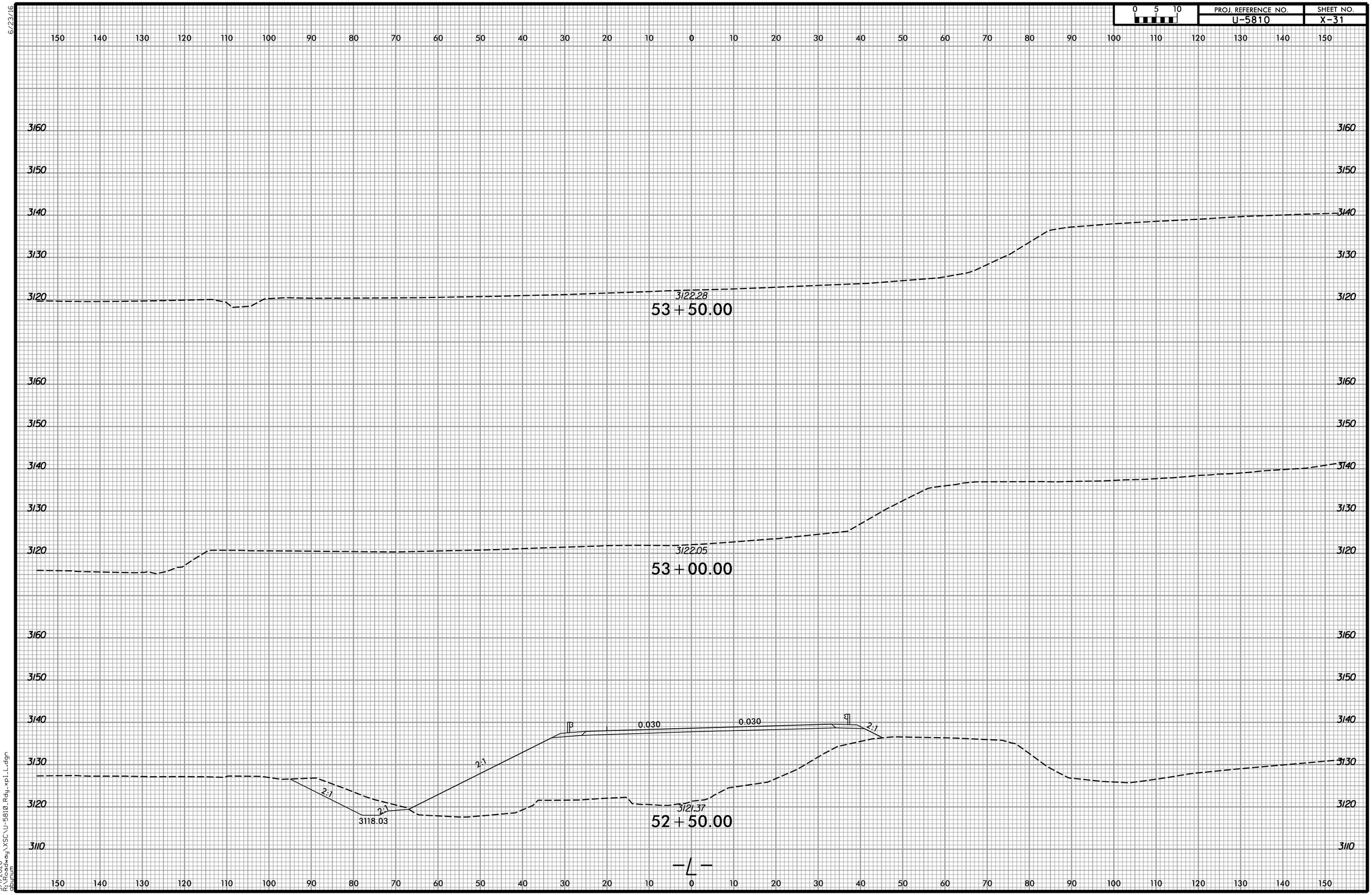
abunum



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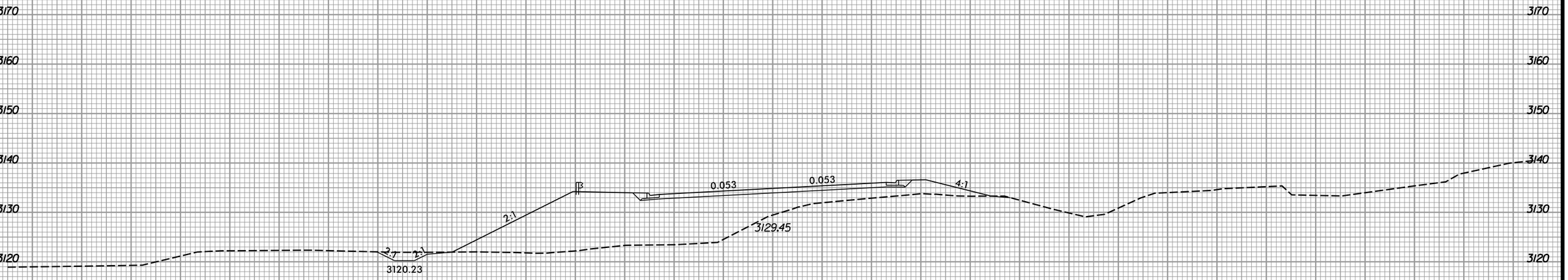
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L.dgn
abunum

6/23/16

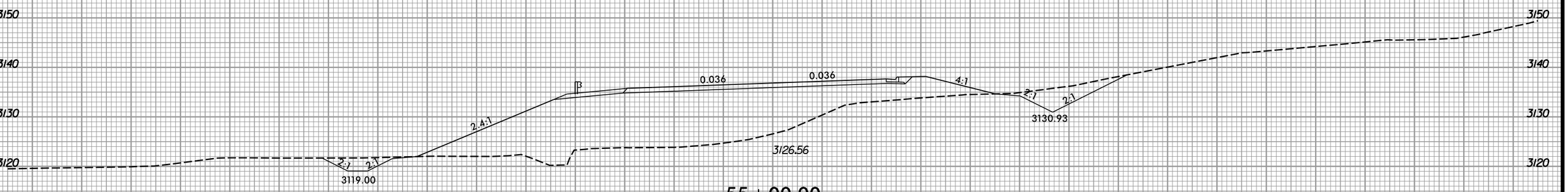
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-32

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

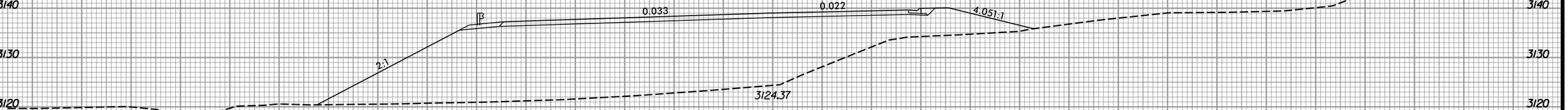
3170 3160 3150 3140 3130 3120 3110



55+50.00



55+00.00



54+54.00

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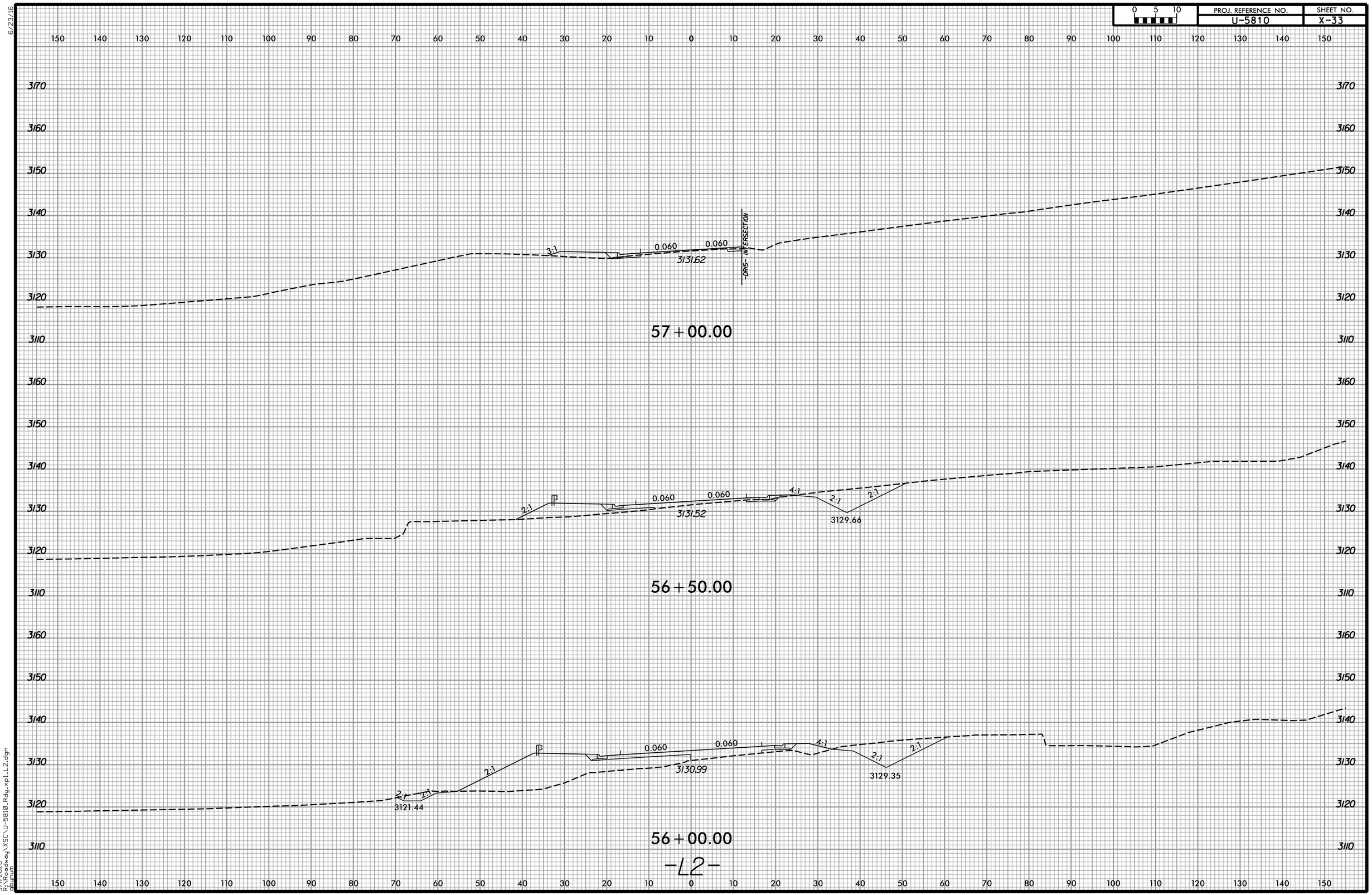
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_L2.dgn
dburum



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5/1/2026
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abynum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-34

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

3170
3160
3150
3140
3130
3120
3110

PROP. RETAINING WALL

4:1 0.050 0.050 3130.92

58+00.00

DR15
Sta. 10+78.49

PROP. RETAINING WALL

2.79:1 4:1 0.050 0.050 3131.37 3129.23 0.040 0.045 2.06:1

57+50.00

-L2-

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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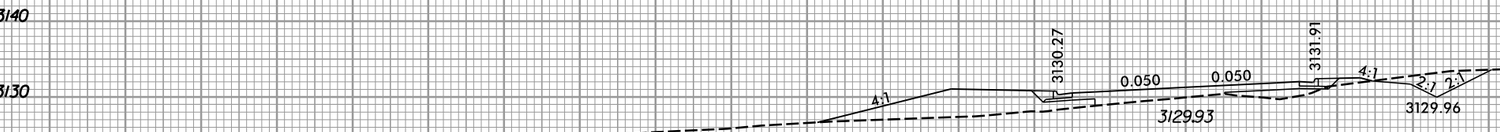
dbrunn

6/23/16

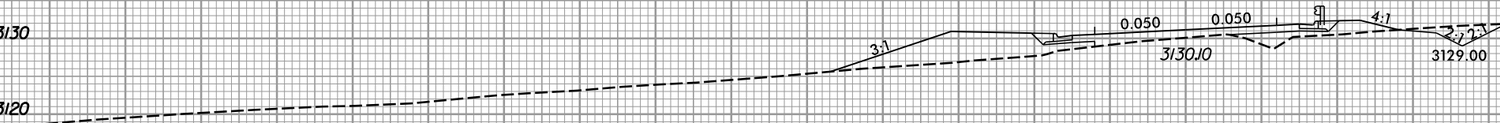
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-35

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

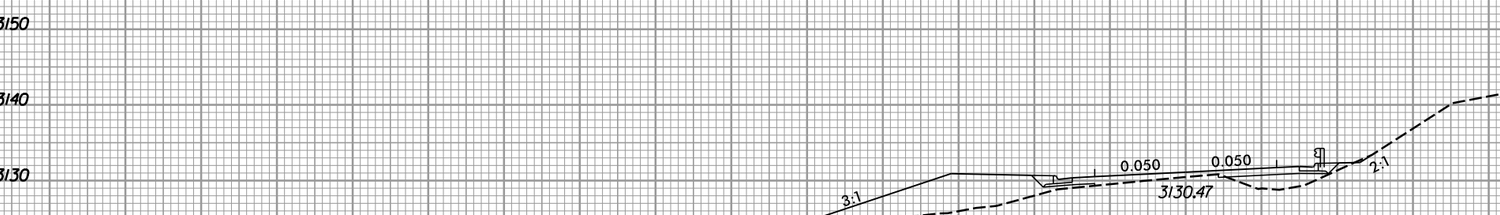
3160 3150 3140 3130 3120 3110 3170



59+50.00



59+00.00



58+50.00

-L2-

5/1/2026
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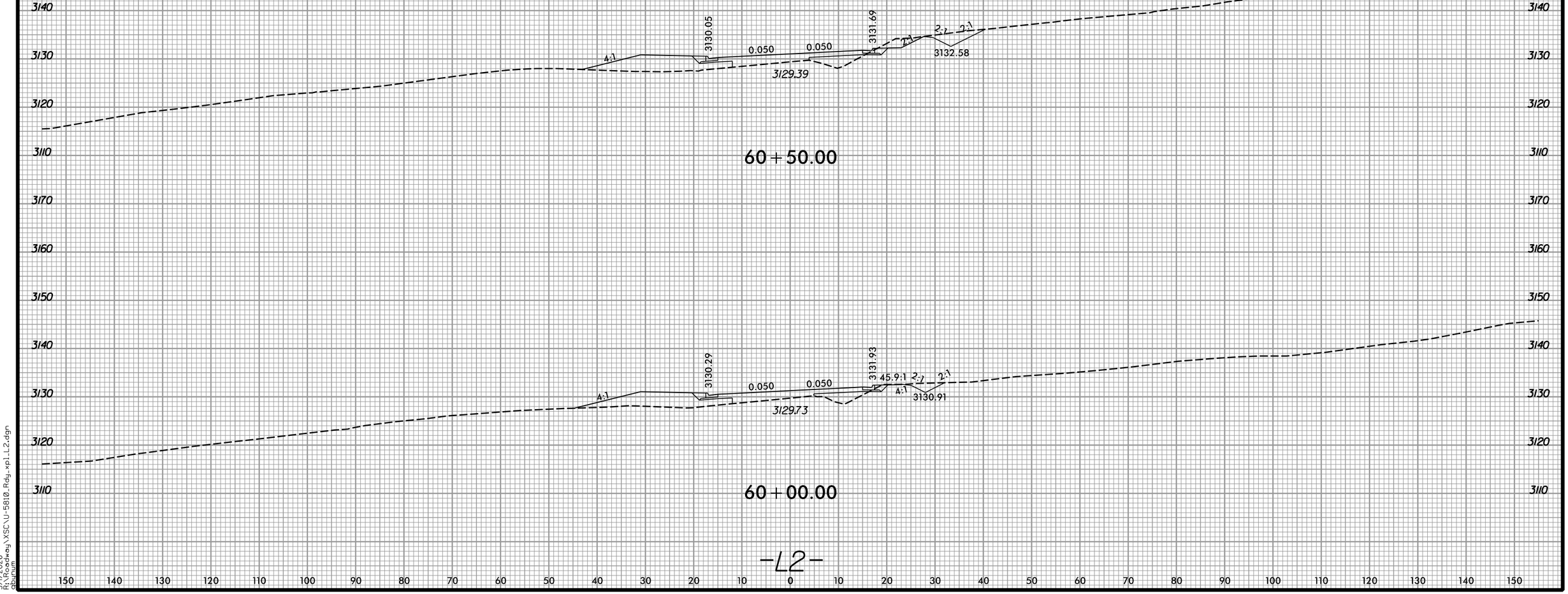
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-36

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

3170
3160
3150
3140
3130
3120
3110



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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

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gburum

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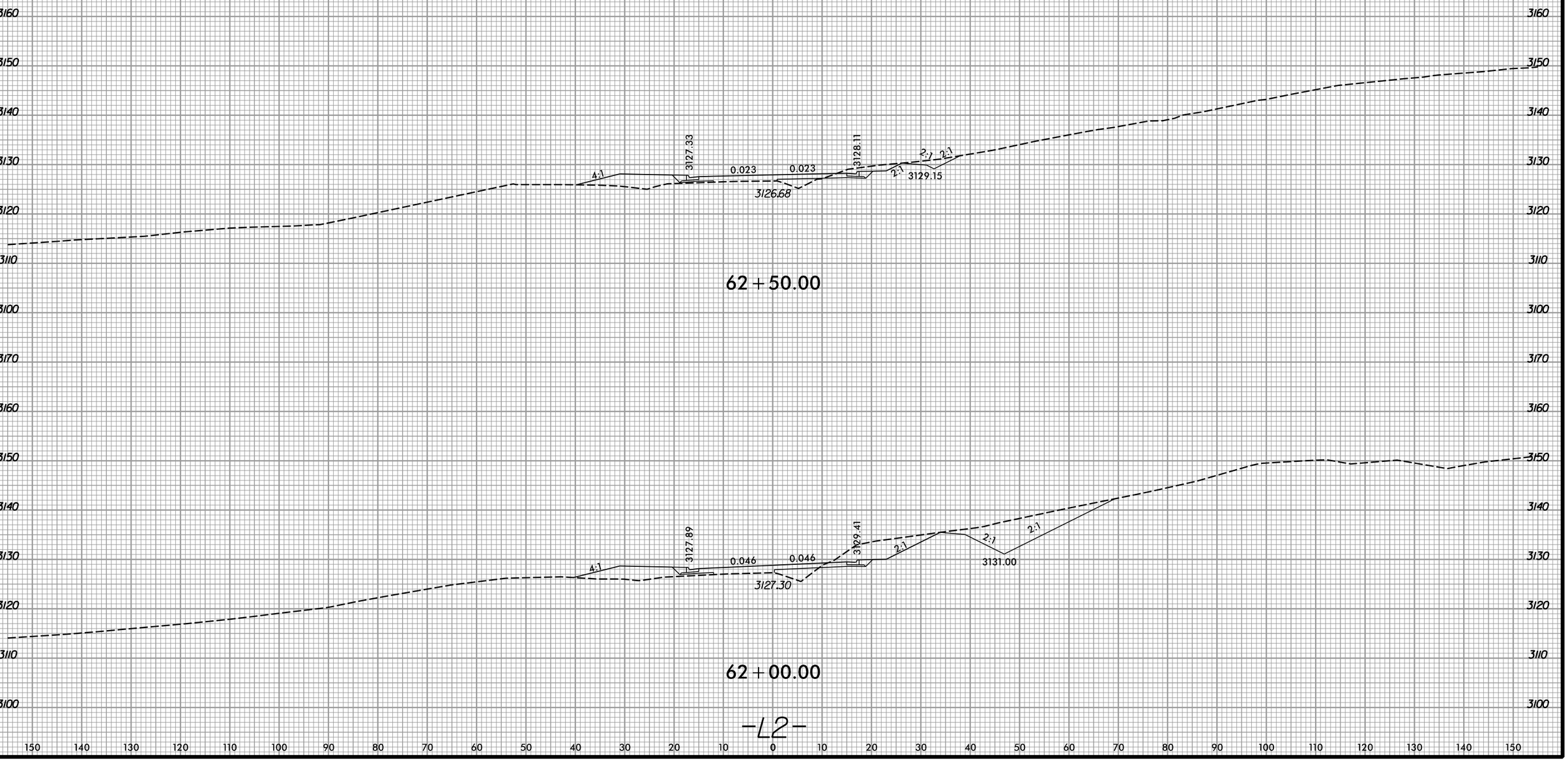
abunum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-38

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

3160 3150 3140 3130 3120 3110 3100 3170 3160 3150 3140 3130 3120 3110 3100



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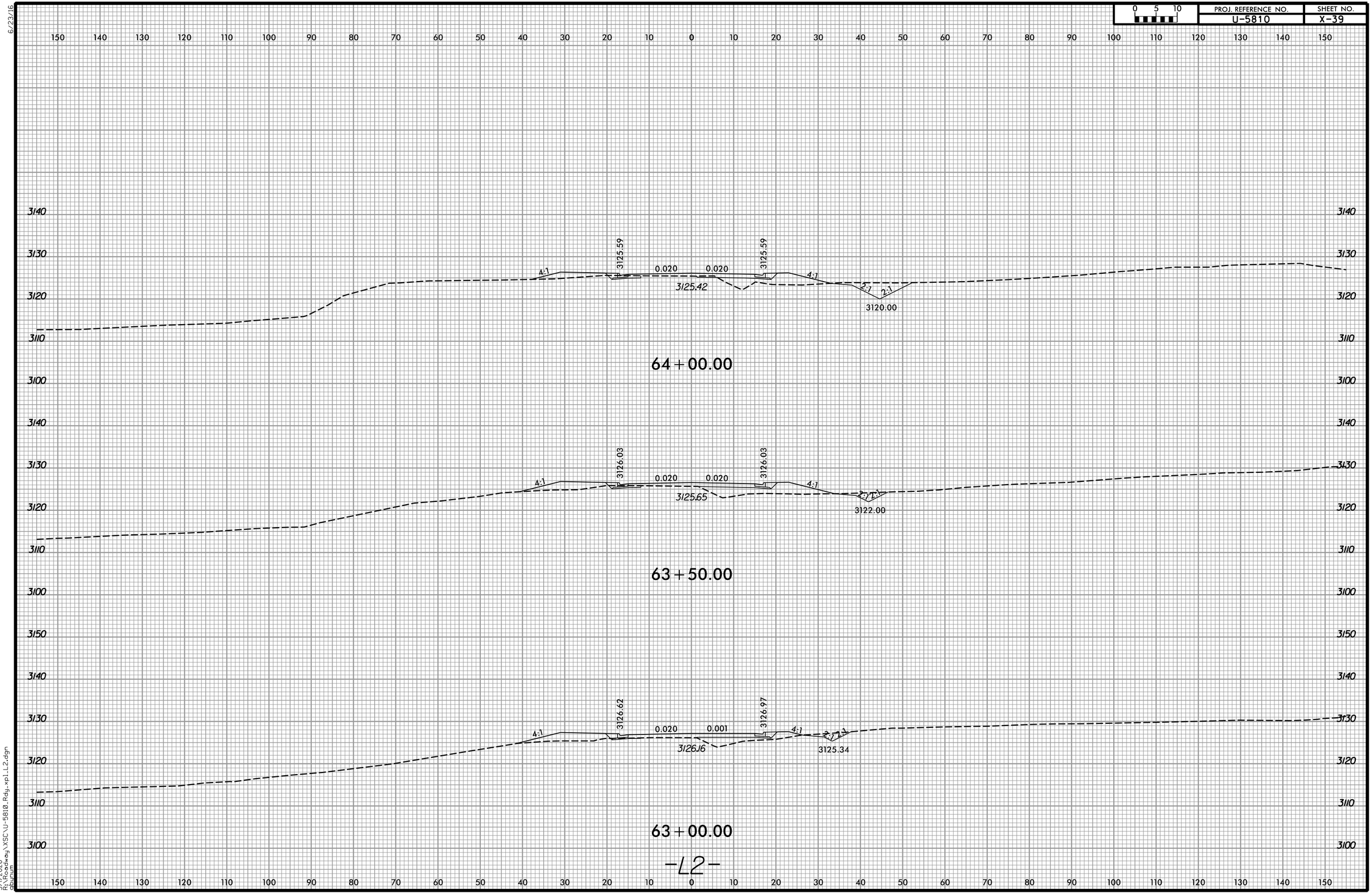
gburum



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abynum

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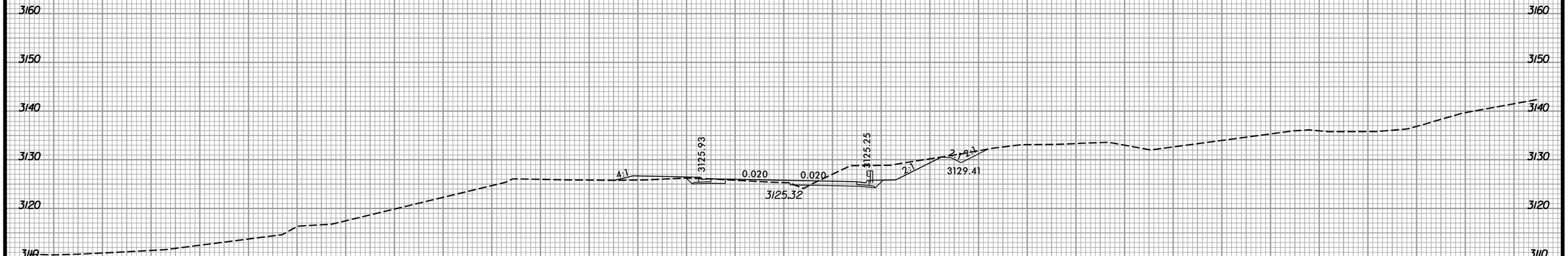
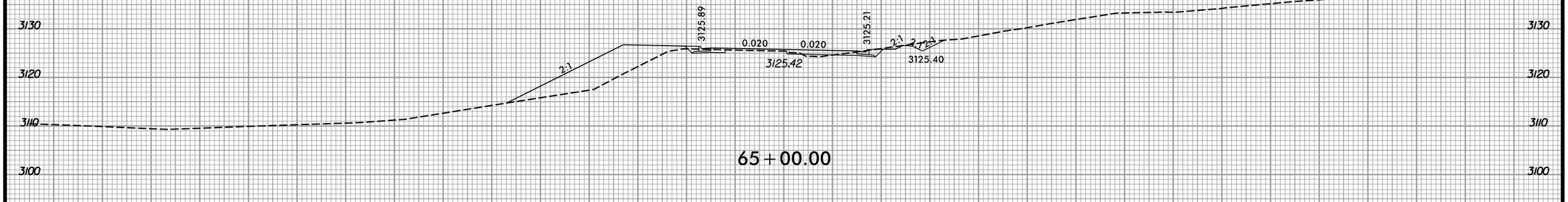
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-40

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

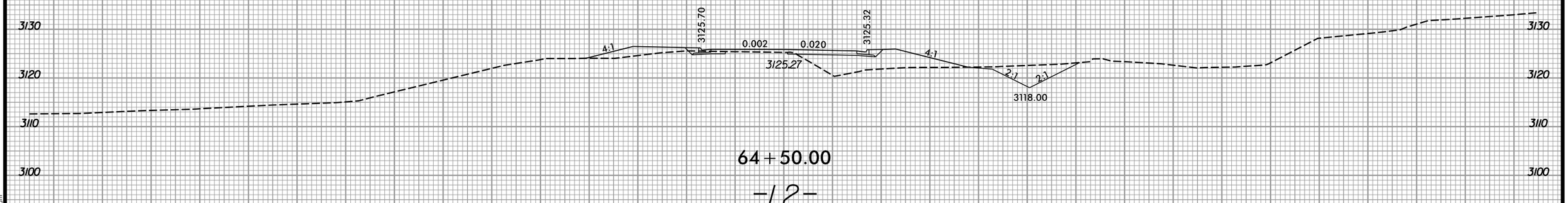
3160 3150 3140 3130 3120 3110 3100



65+50.00



65+00.00



64+50.00

-L2-

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

3160 3150 3140 3130 3120 3110 3100

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gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	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

3190 3180 3170 3160 3150 3140 3130 3120 3110 3100

PROP. RETAINING WALL

3126.85

3125.53

3134.03

2:1

0.040

0.040

3125.65

2:1

66+50.00

3:1

3126.48

3125.16

0.040

0.040

3125.43

2:1

2:1

3132.10

66+00.00

-L2-

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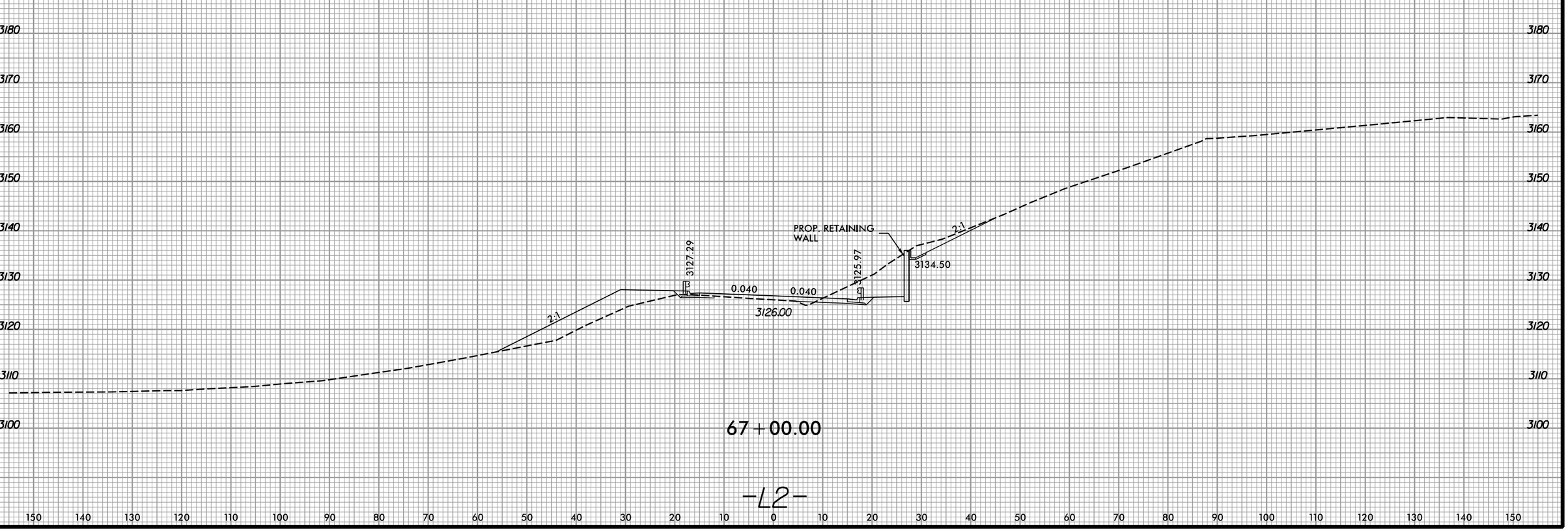
dbrunn

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100



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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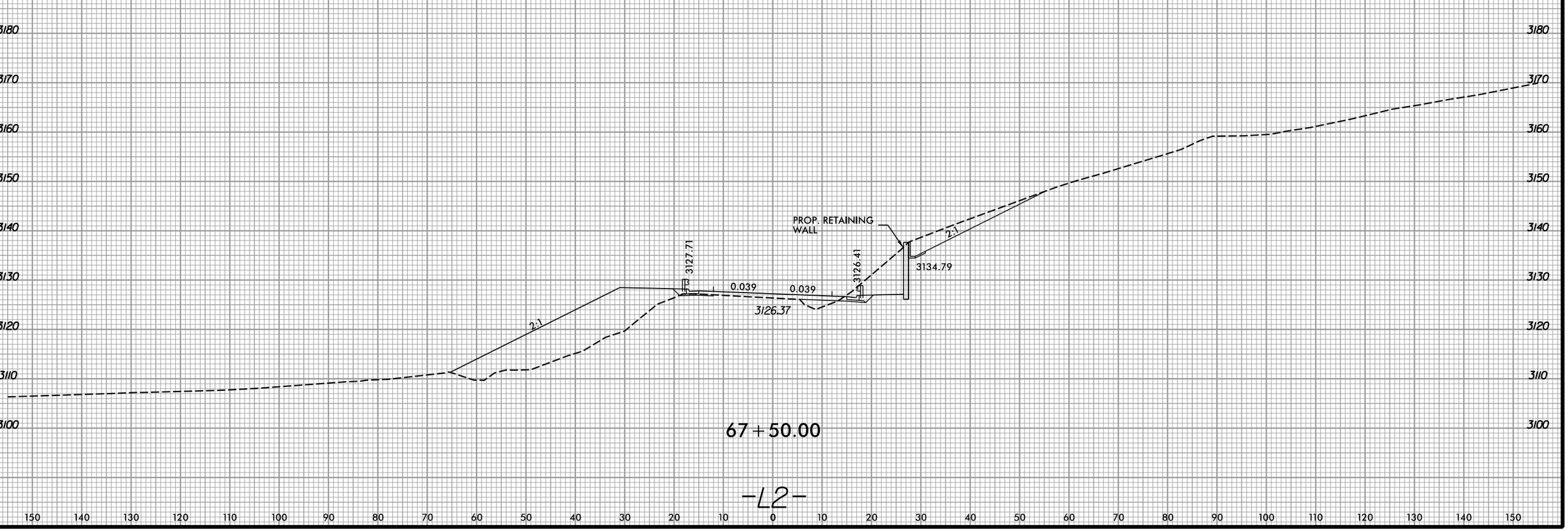
R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L2.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-43

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100



67+50.00

-L2-

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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R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L2.dgn
gburum

6/23/16

0 5 10

PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-44

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090

PROP. RETAINING WALL

3127.76

0.017

0.017

3127.19

PROP. RETAINING WALL

2:1

3136.84

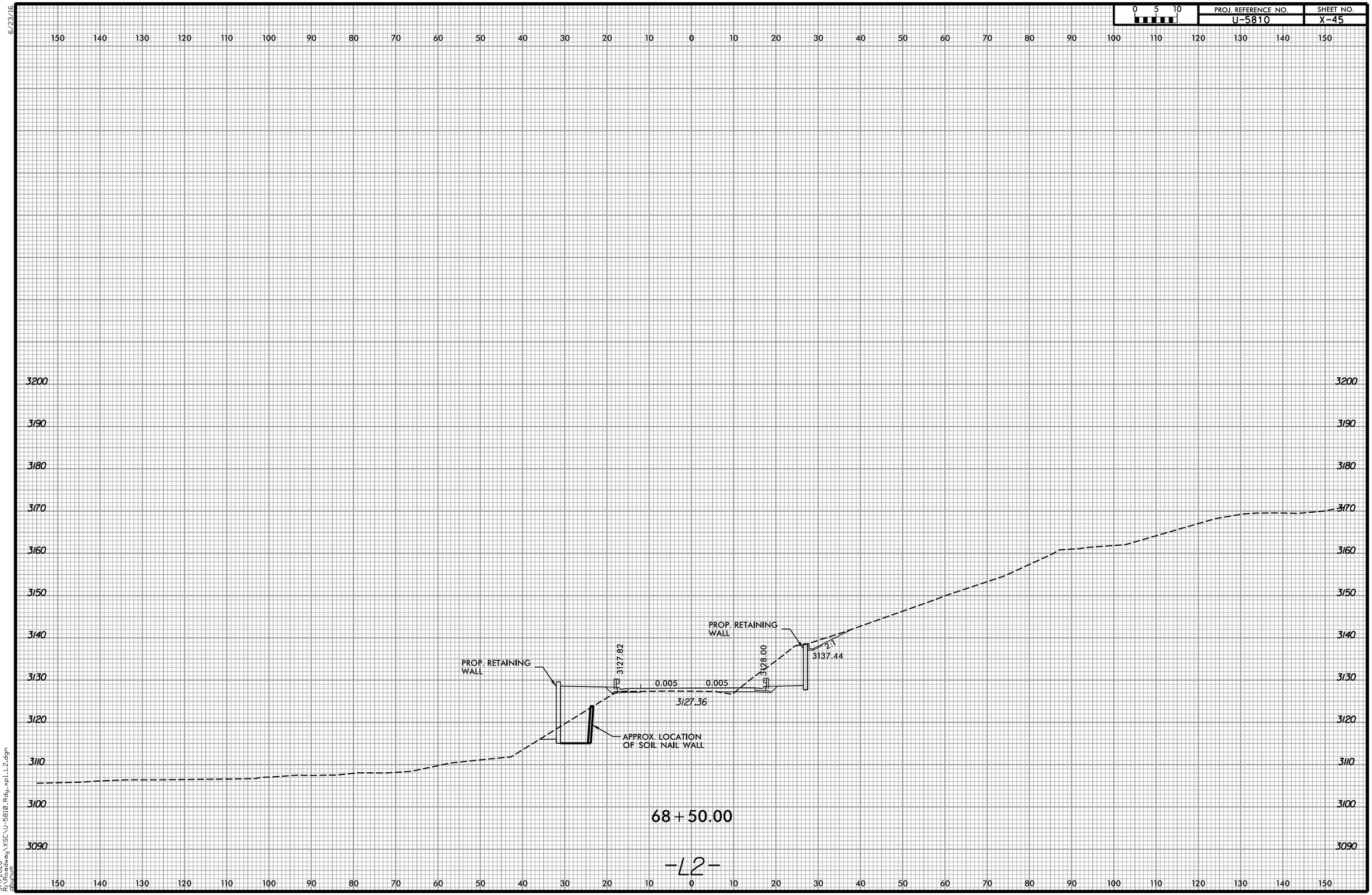
3126.82

APPROX. LOCATION OF SOIL NAIL WALL

68+00.00

-L2-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_L2.dgn
dbruton



6/23/16

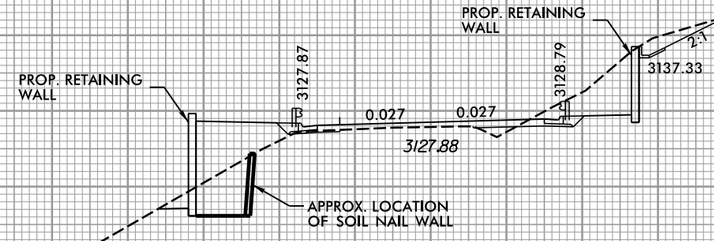
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L2.dgn
abunum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090



69+00.00

-L2-

5/1/2026
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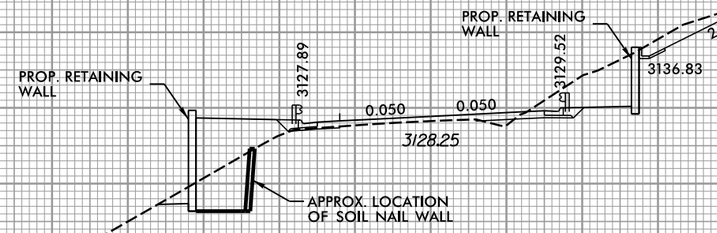
dbruton

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-47

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090



69+50.00

-L2-

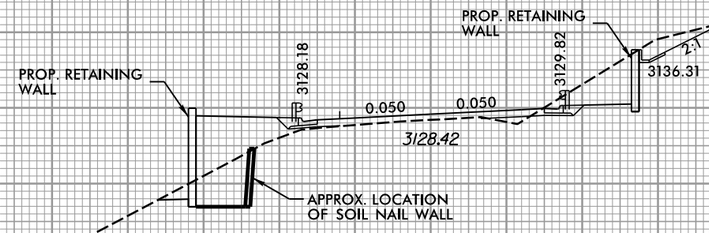
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_L2.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-48

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090



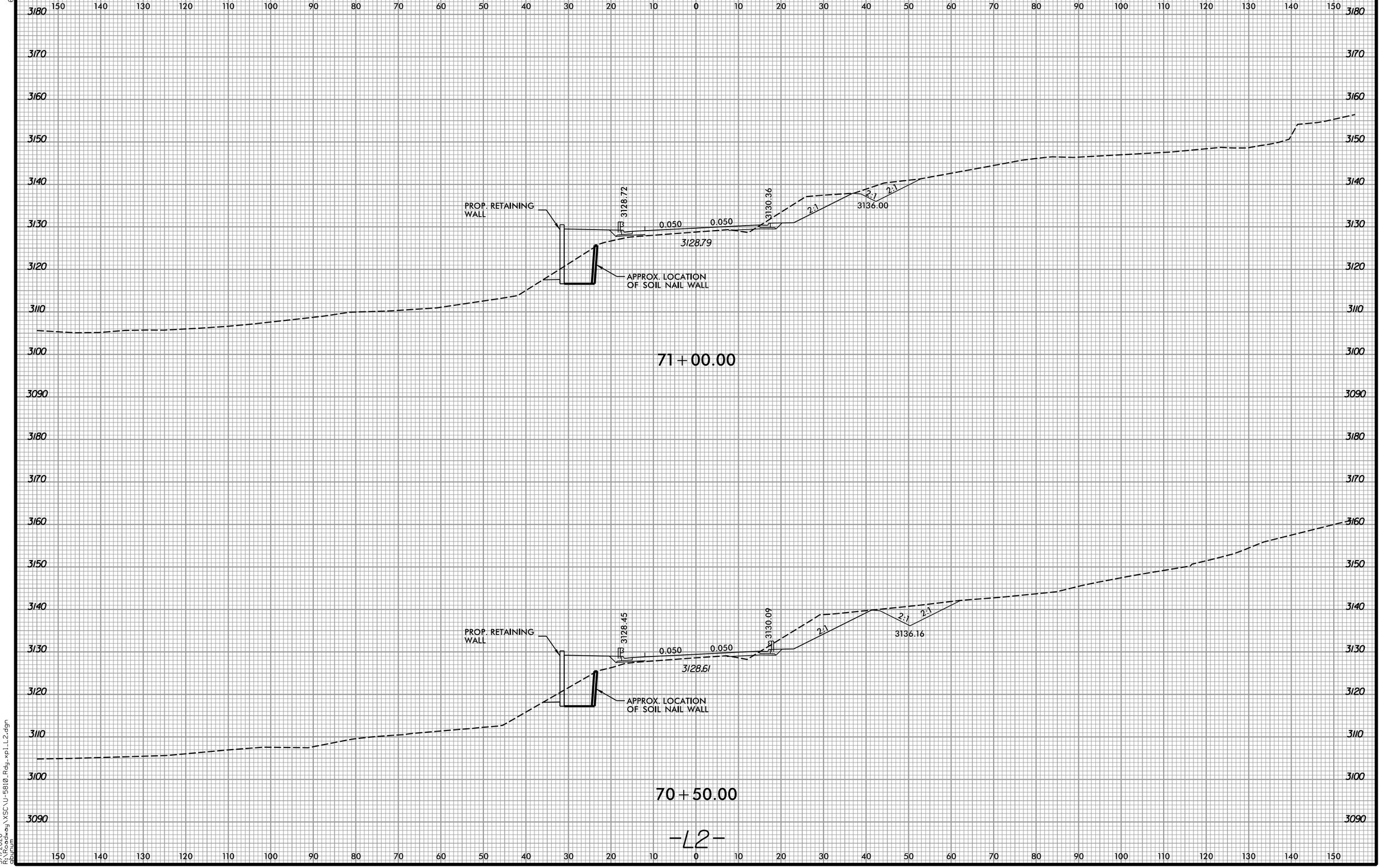
70+00.00

-L2-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_L2.dgn
dbruton

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-49



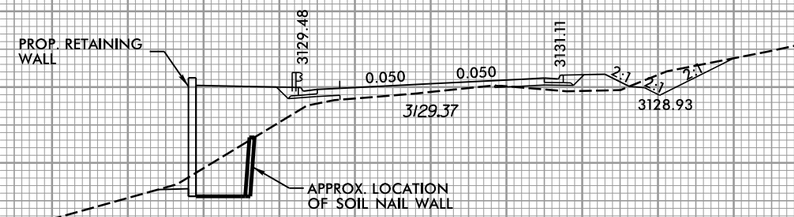
E:\(2026 Roadway\XSC\U-5810_Rdy_xp1_L2.dgn
gburum

6/23/16

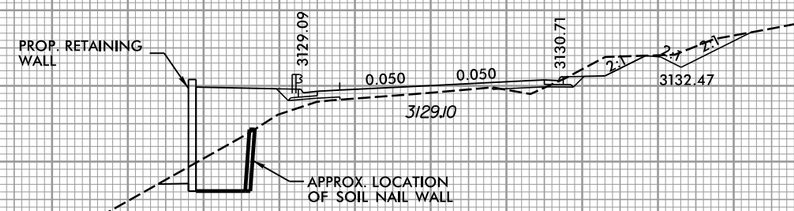
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-50

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

3170 3160 3150 3140 3130 3120 3110 3100 3090



72+00.00



71+50.00

-L2-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_L2.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-51

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

3170 3160 3150 3140 3130 3120 3110 3100 3090

PROP. RETAINING WALL

3130.48

0.050 0.050

3130.59

-Y10- INTERSECTION

APPROX. LOCATION OF SOIL NAIL WALL

73+00.00

PROP. RETAINING WALL

3129.95

0.050 0.050

3131.57

2:1 2:1 2:1

3130.13

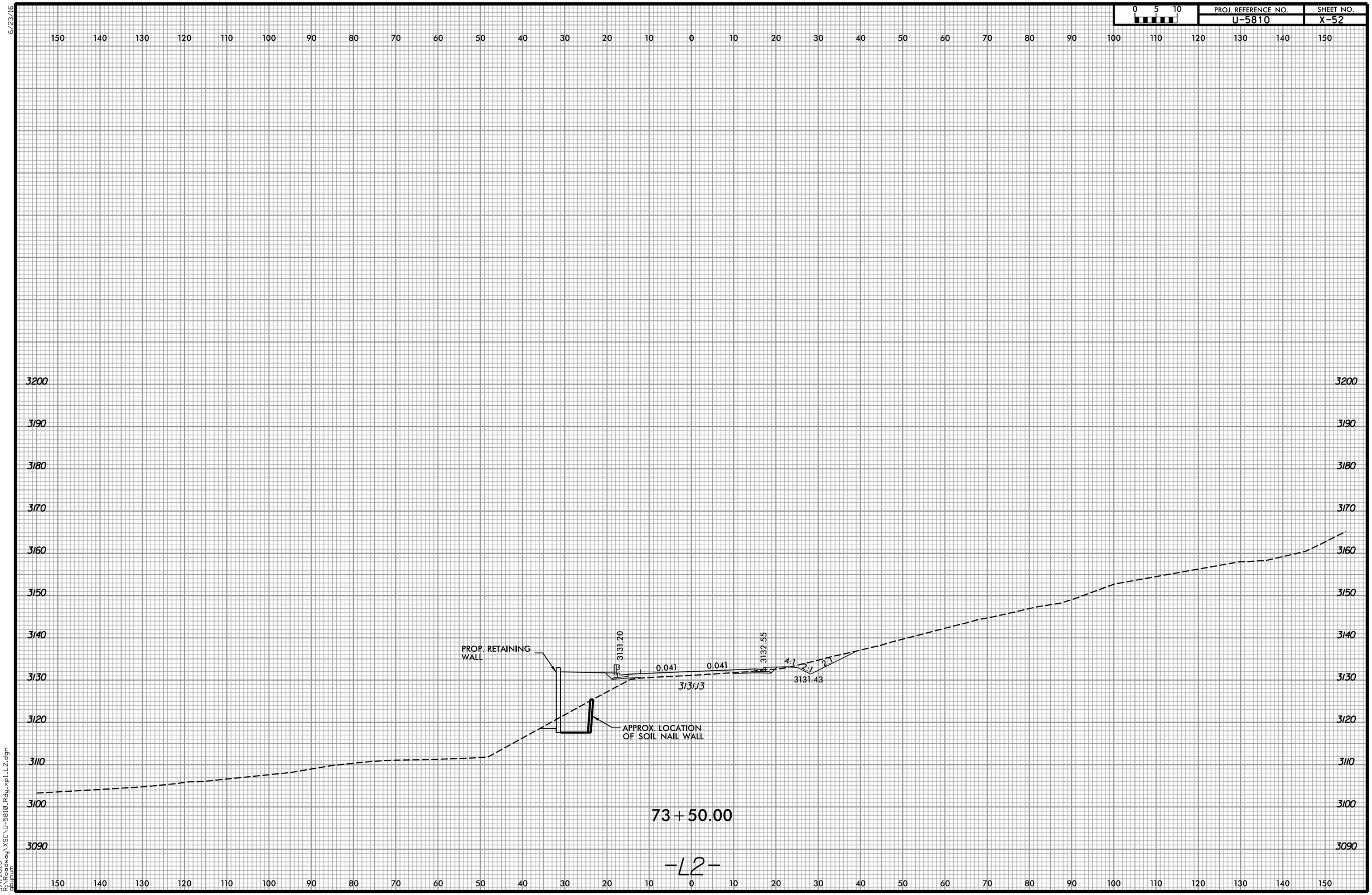
3129.56

APPROX. LOCATION OF SOIL NAIL WALL

72+50.00

-L2-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_L2.dgn
gburum



6/23/16

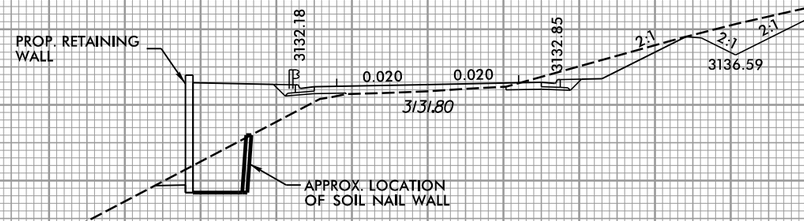
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L2.dgn
abunum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-53

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090



74+00.00

-L2-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_L2.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-54

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090

PROP. RETAINING WALL

3132.90

0.020

0.020

3133.57

2:1

2:1

2:1

3136.74

3132.52

APPROX. LOCATION OF SOIL NAIL WALL

74+50.00

-L2-

5/1/2026
R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L2.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-55

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090

PROP. RETAINING WALL

3133.84

0.007

0.020

3133.63

2:1

2:1

2:1

3136.91

3133.26

APPROX. LOCATION OF SOIL NAIL WALL

75+00.00

-L2-

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

5/1/2026
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6/23/16

0 5 10

PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-56

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090

PROP. RETAINING WALL

3134.95

0.015

0.020

3134.36

3134.04

2:1

2:1

2:1

3145.88

APPROX. LOCATION OF SOIL NAIL WALL

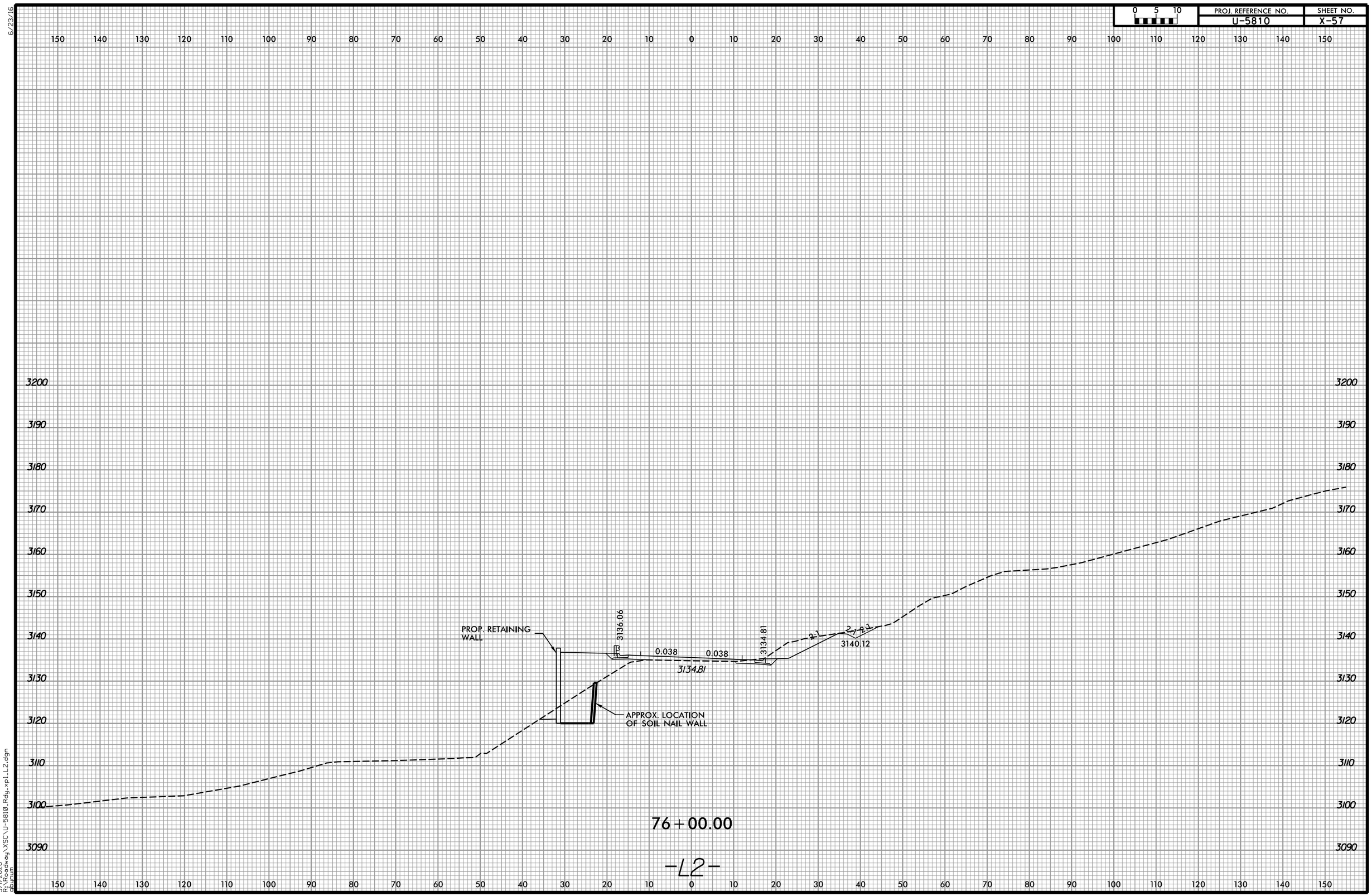
75+50.00

-L2-

5/1/2026
R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L2.dgn
gburum

6/23/16

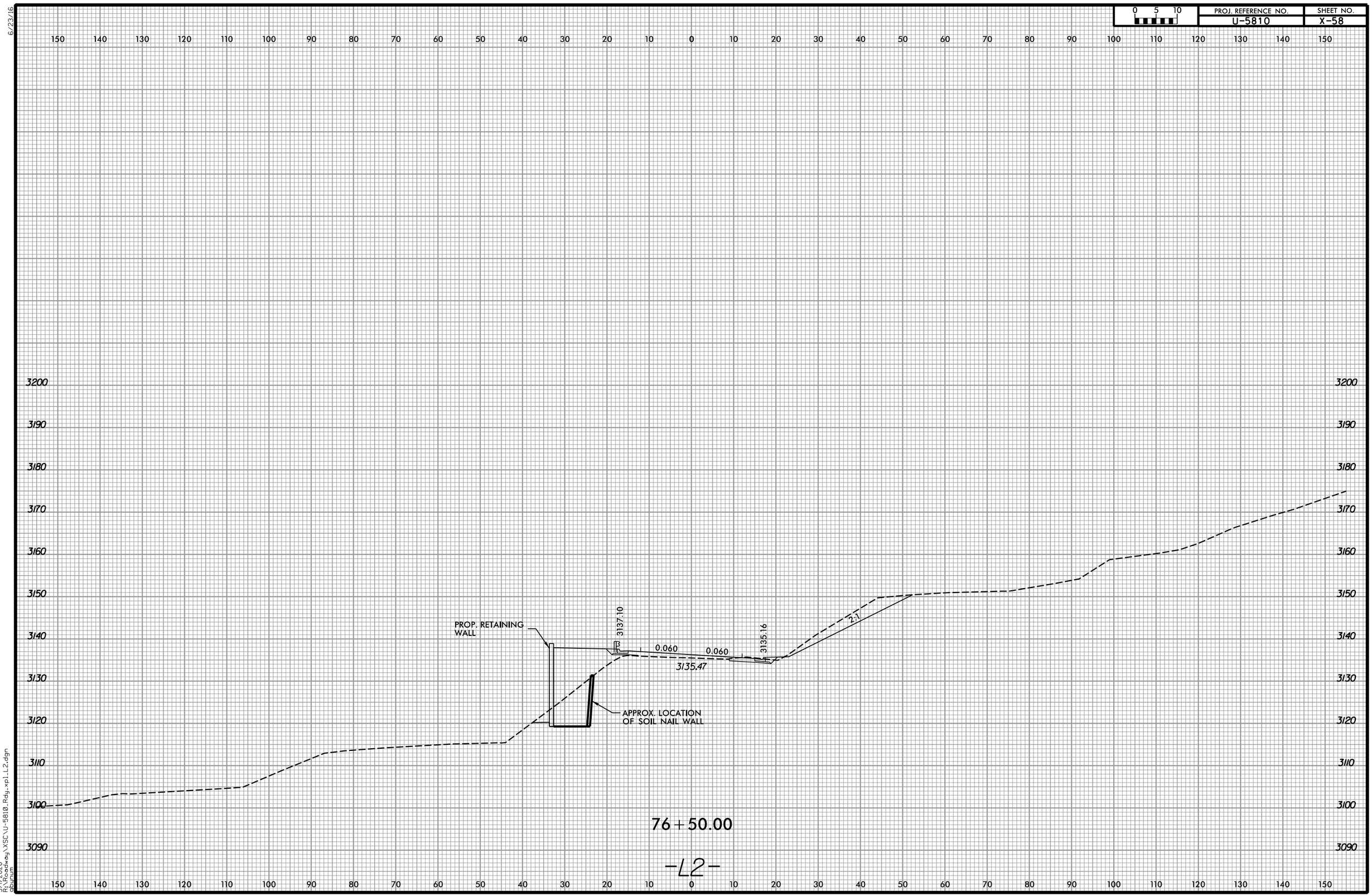
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-57



5/1/2026
R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L2.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-58



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dbruton

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-59

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090

PROP. RETAINING WALL

3137.46

0.060

0.060

3135.52

2:1

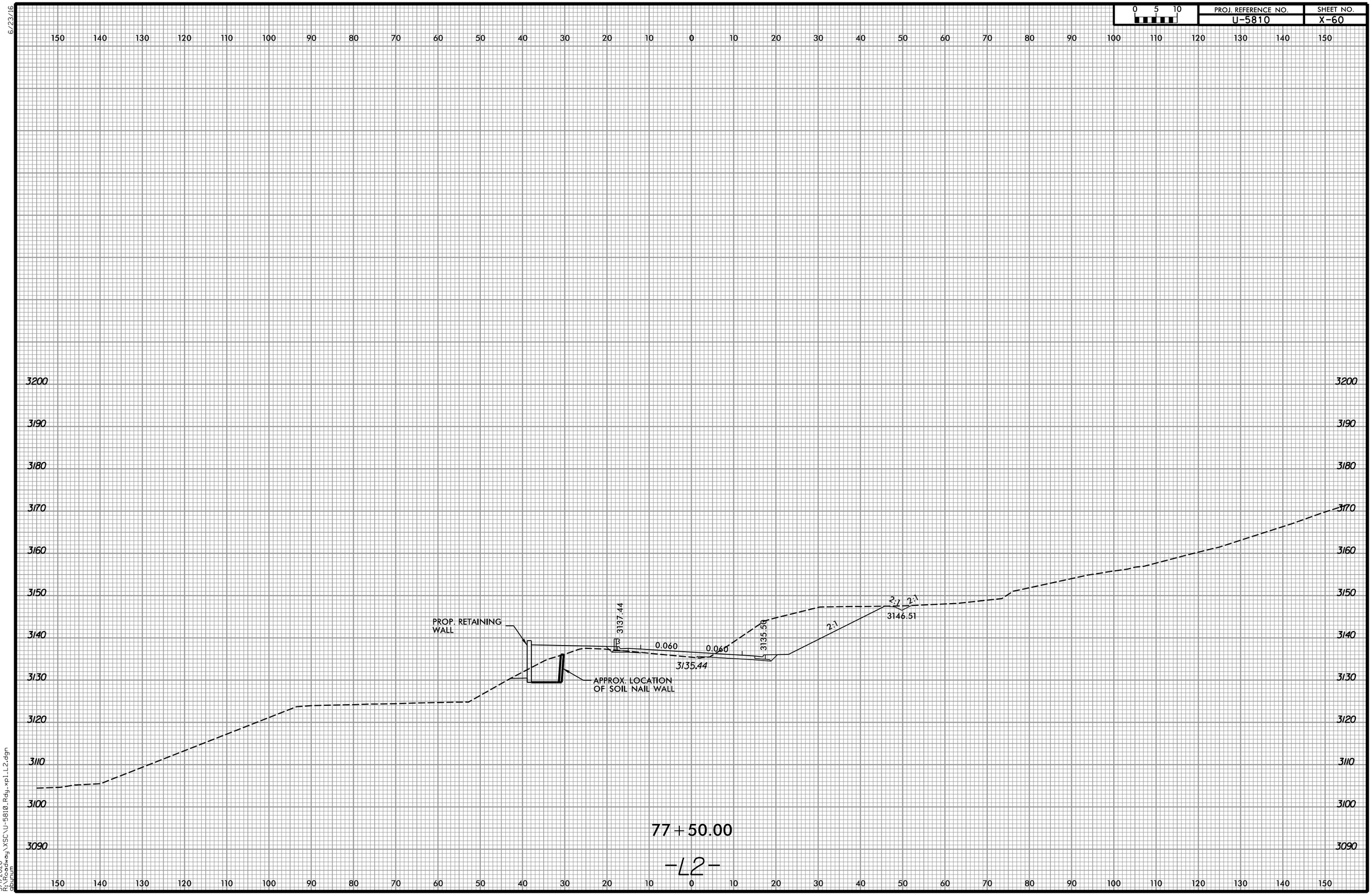
3135.83

APPROX. LOCATION OF SOIL NAIL WALL

77+00.00

-L2-

5/1/2026
R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L2.dgn
gburum



6/23/16

5/1/2026
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abuhum

6/23/16

5/1/2026
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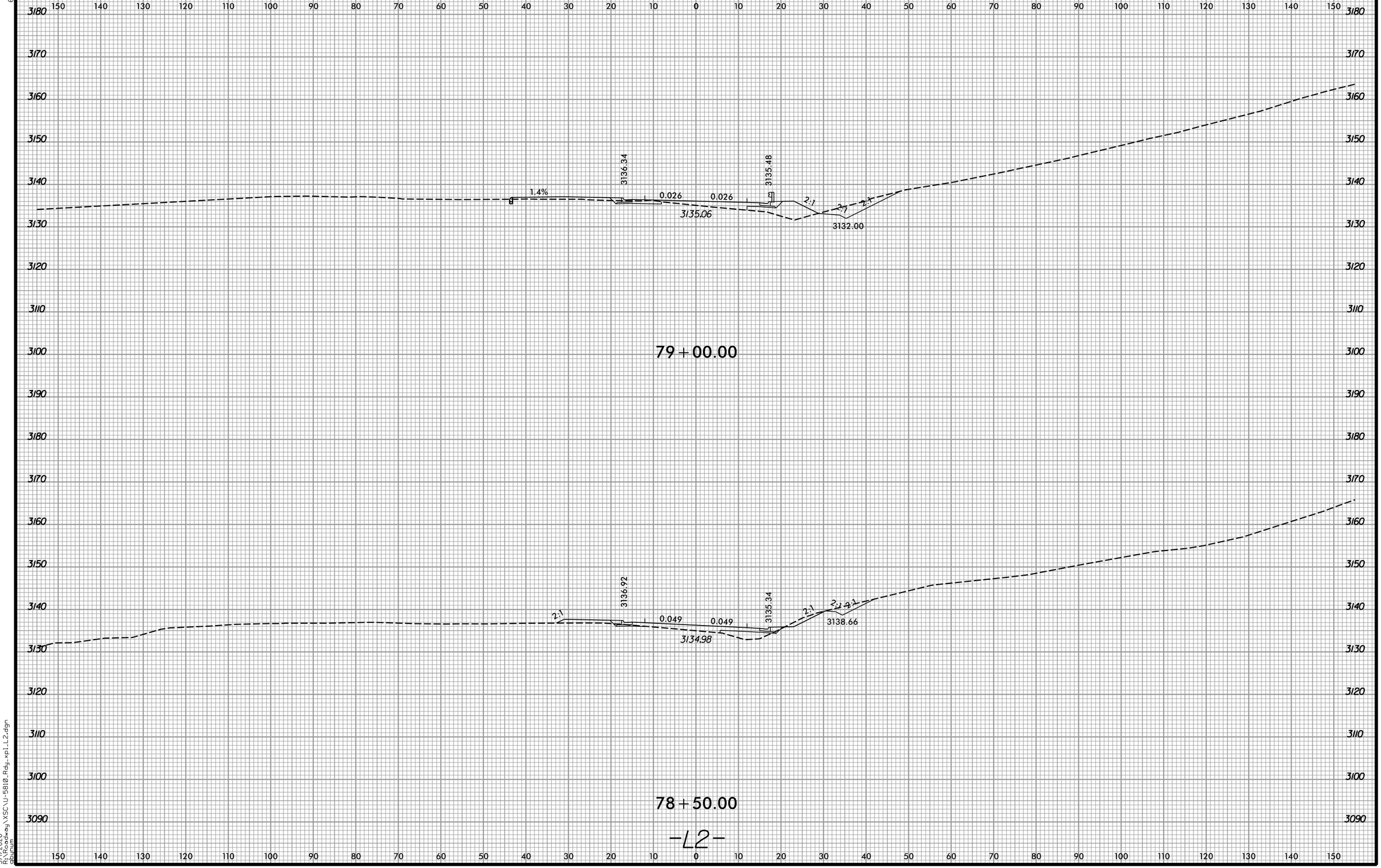
abuhum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-62



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R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L2.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-63

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

3140
3130
3120
3110

3121.49

81+00.00

3140
3130
3120
3160
3150

3132.52 3131.26

2:1 0.020 0.020 2:1

3123.77

80+50.00

3160
3150
3140
3130
3120
3110

3134.08 3132.98

2:1 0.020 0.020 2:1

3133.55

80+00.00

3150
3140
3130
3120
3160
3150
3140
3130
3120
3110

3135.62 3134.69

8.8% 0.020 0.020 2.006:1 4:1

3134.11 3130.29

79+50.00

-L2-

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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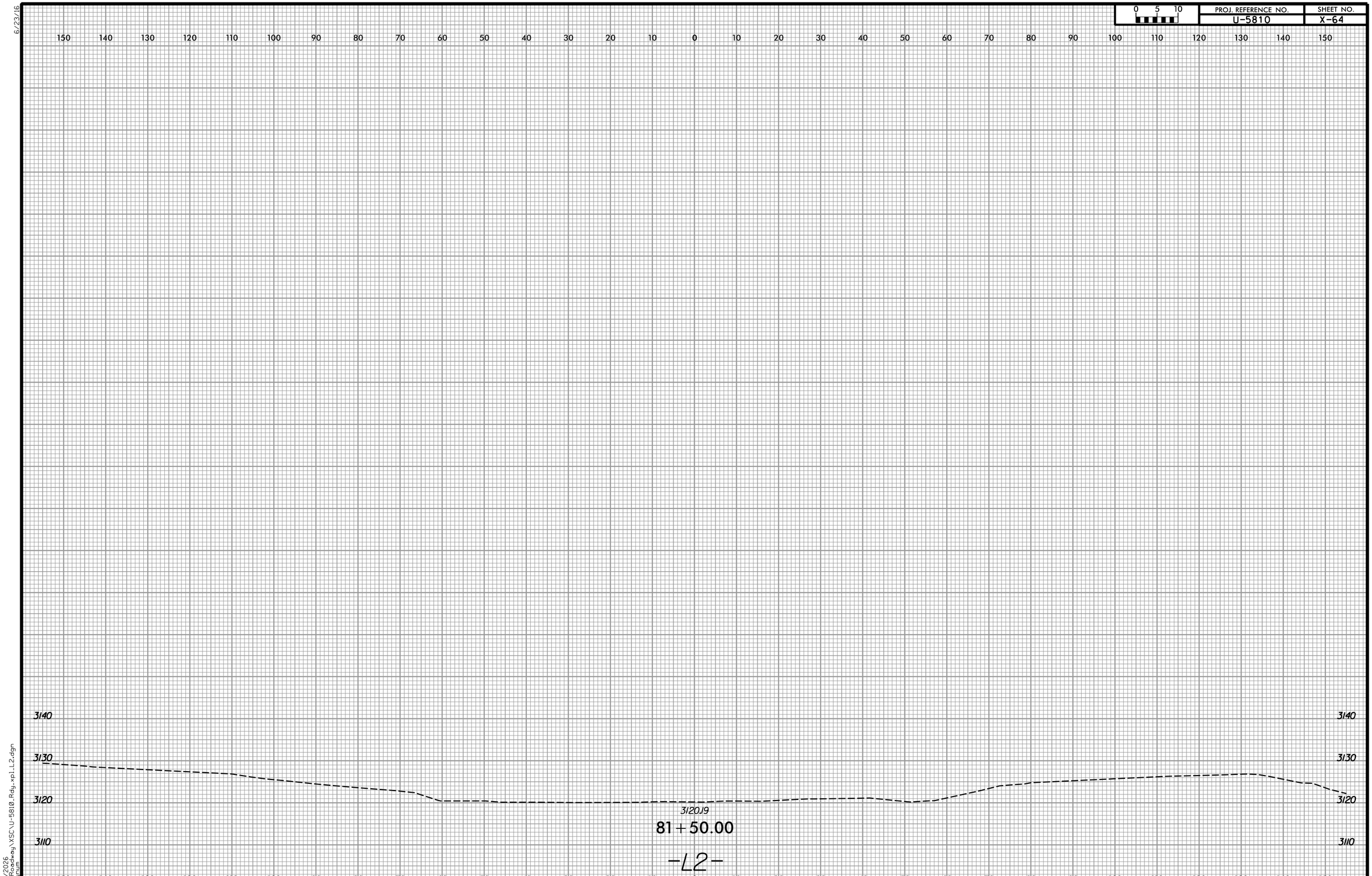
gbrunell



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R:\Roadway\XSC\U-5810_Rdy_xpl_L2.dgn
abynum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-65

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

3140
3130
3120
3110
3100
3090

3128.98
3127.51
0.040
0.040
2:1
3104.46

82+50.00

3140
3130
3120
3110
3100
3150

3130.50
3129.59
0.017
0.017
2:1
2:1
3107.09

82+00.00

3140
3130
3120
3110
3100
3150
3140
3130
3120
3110

3122.70

81+50.00

-L3-

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

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
dbrunn

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-66

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

3140
3130
3120
3110
3100
3090

3123.8
3122.52
0.040
0.040
2%
2%
3102.05
3101.16
84+00.00

3130
3120
3110
3100
3090

0.040
0.040
3102.25
83+50.00

3130
3120
3110
3100
3090

3127.32
3125.92
0.040
0.040
3102.77
83+00.00

-L3-

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

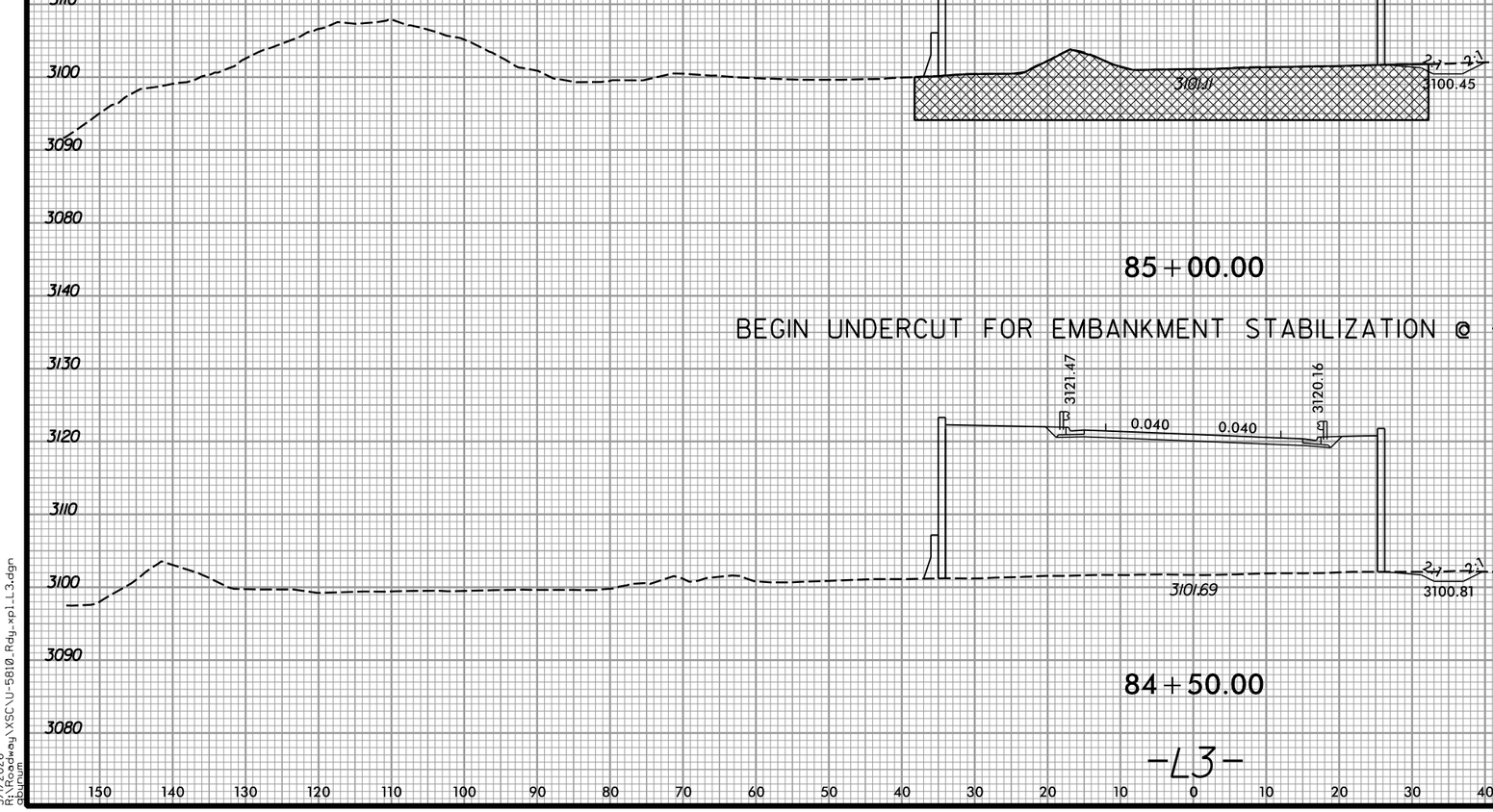
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_L3.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-67

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

3140
3130
3120
3110
3100
3090
3080



85+00.00

BEGIN UNDERCUT FOR EMBANKMENT STABILIZATION @ -L- STA. 85+00

84+50.00

-L3-

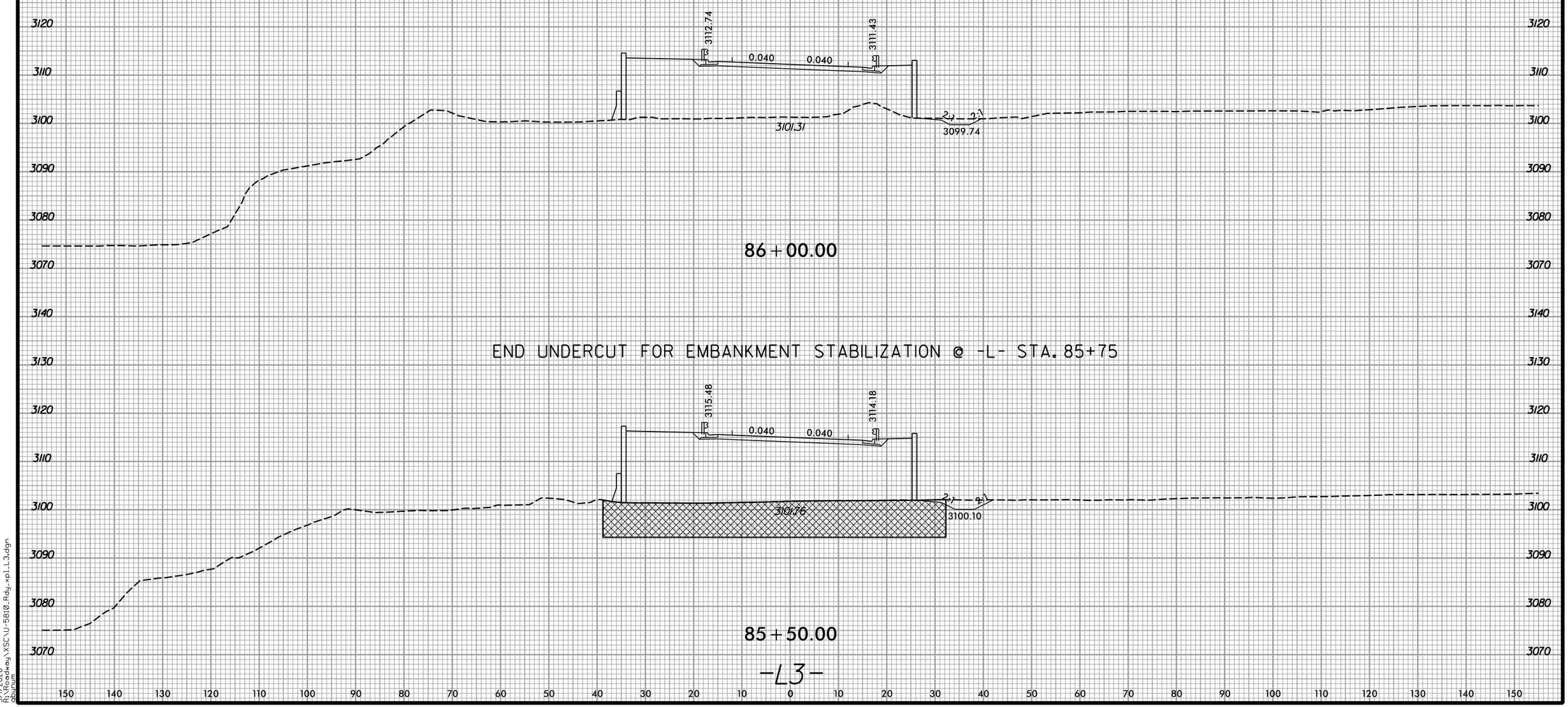
5/12/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
dbrunn

6/23/16

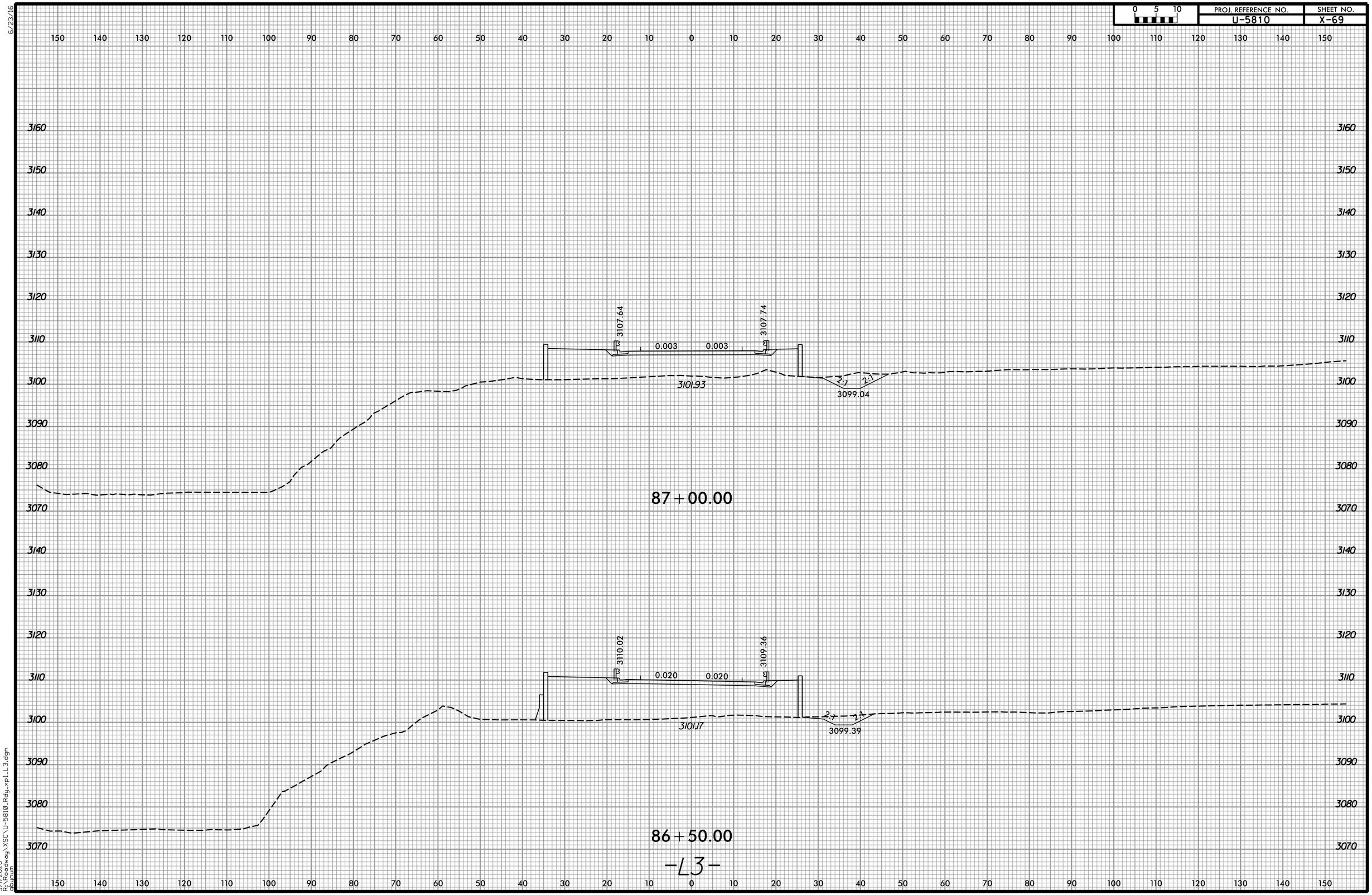
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-68

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

3140
3130
3120
3110
3100
3090
3080
3070



5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_L3.dgn
dbruton



6/23/16

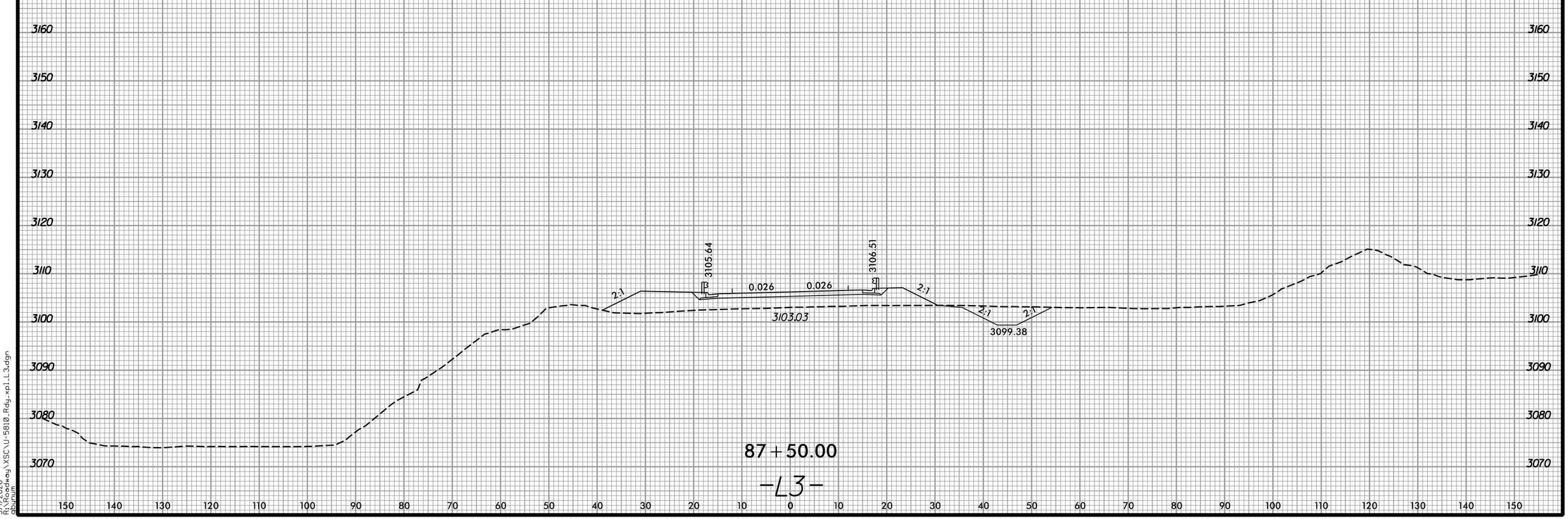
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
abuhum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-70

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

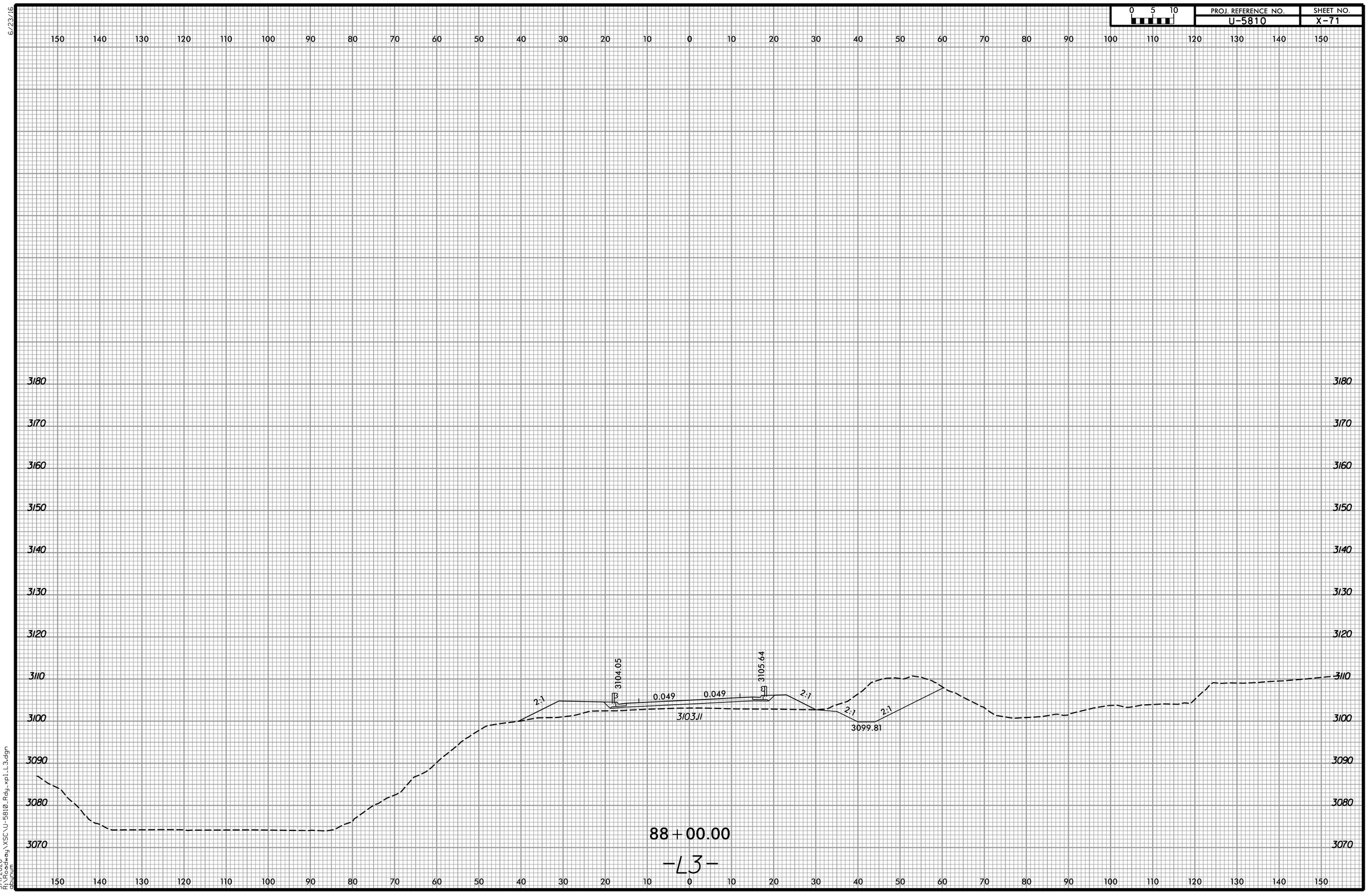
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090
3080
3070



87+50.00

-L3-

5/1/2026
R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L3.dgn
dbunum



6/23/16

5/1/2026
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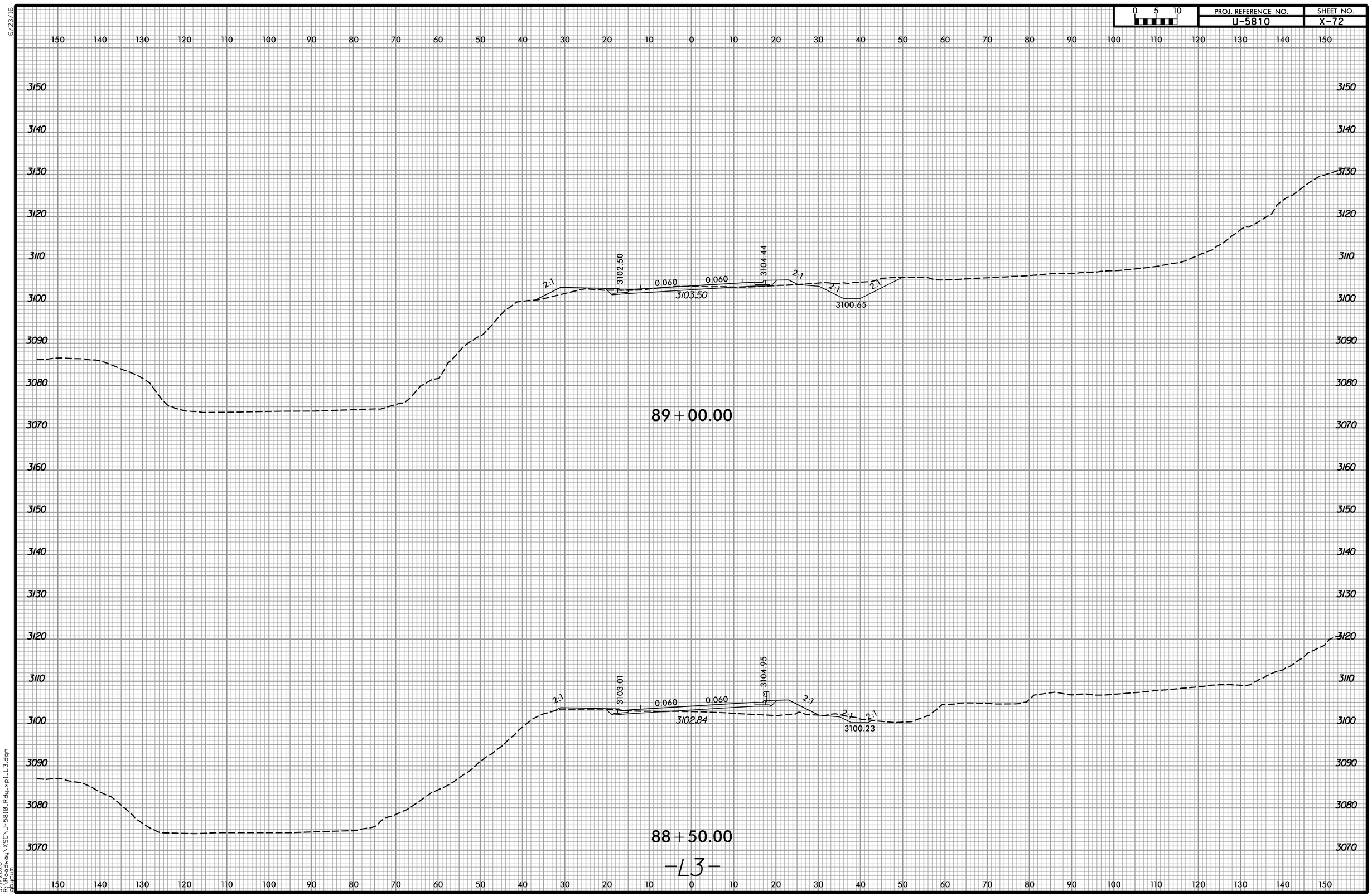
abunum



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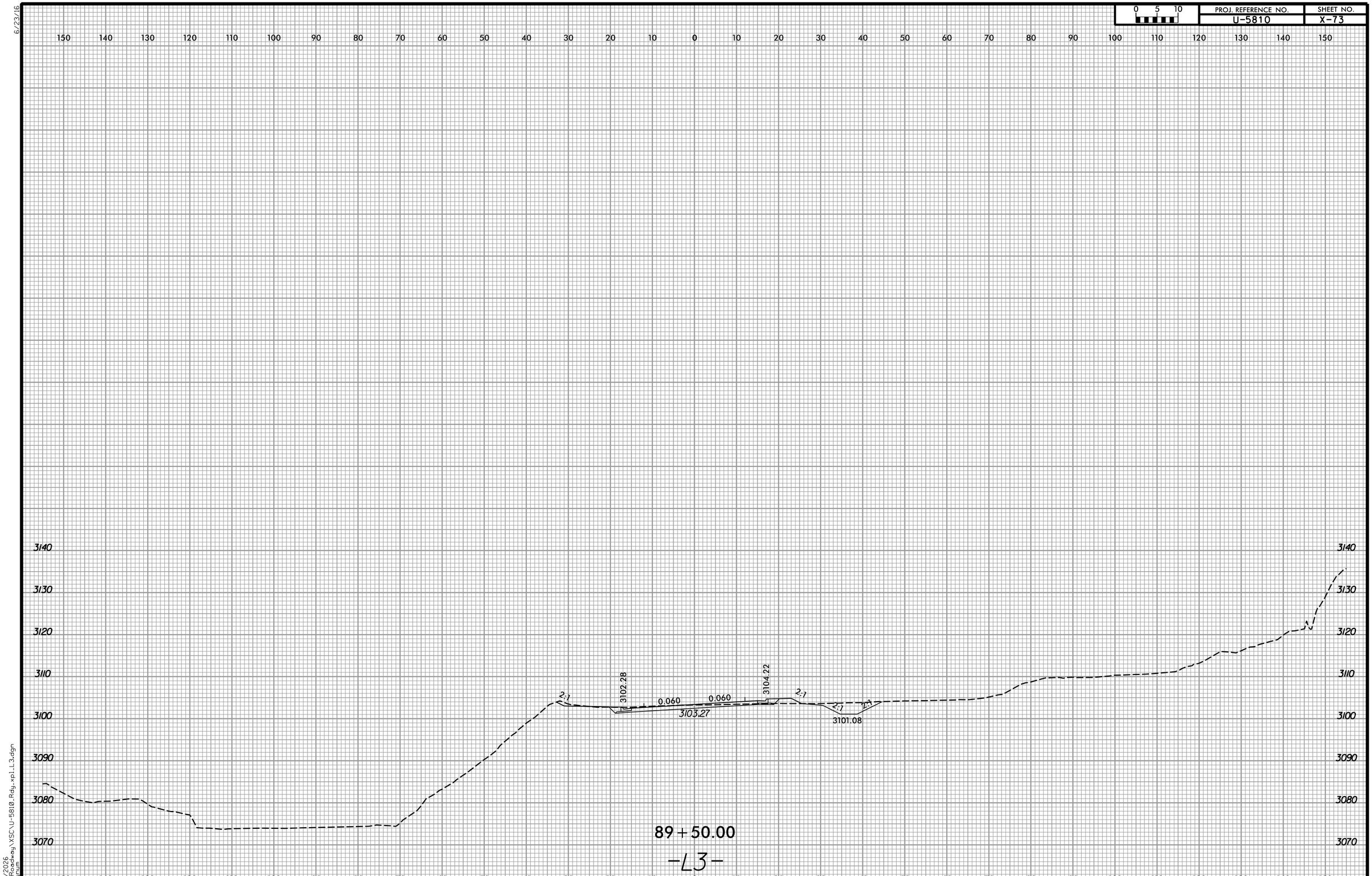
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
abunum



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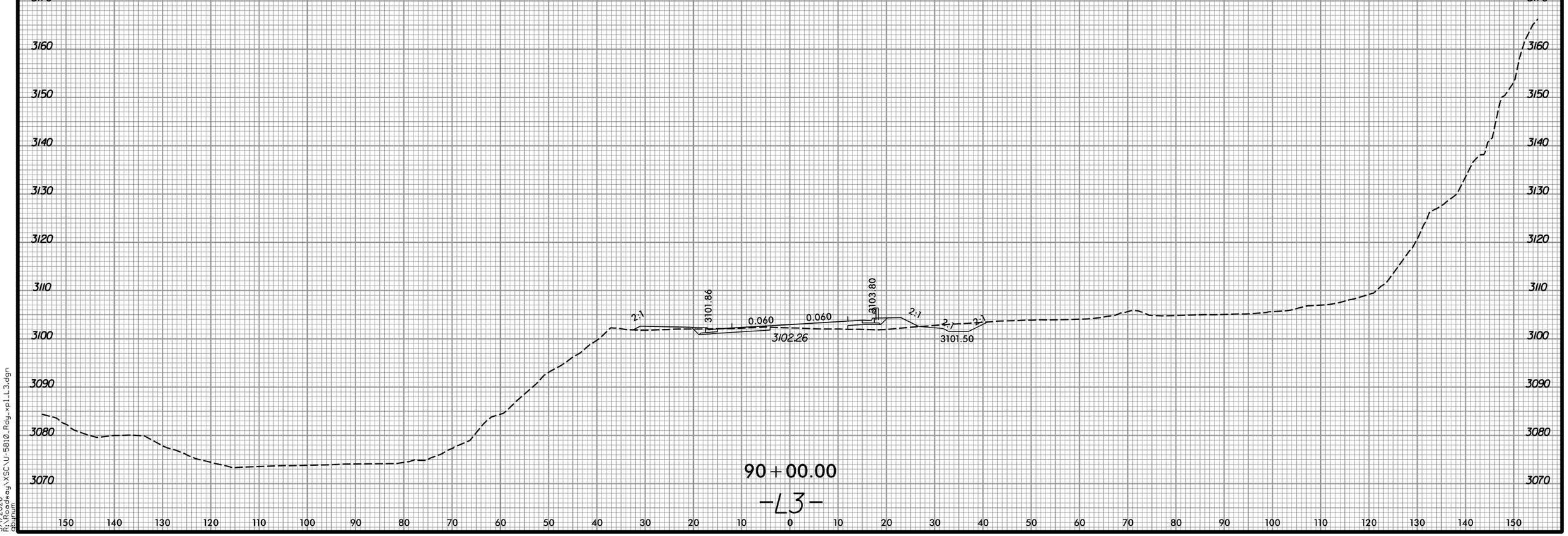
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
abynum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-74

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

3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090
3080
3070



90+00.00

-L3-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
dbrunn

6/23/16

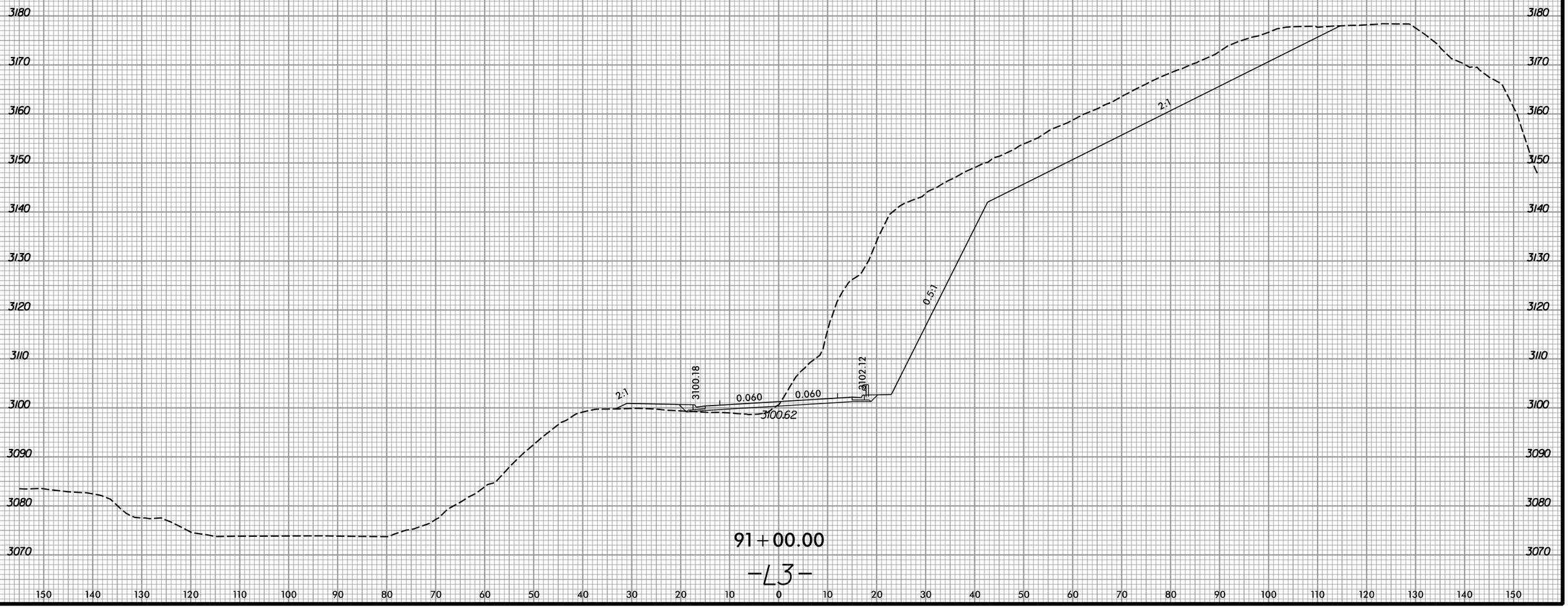
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
abynum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-76

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

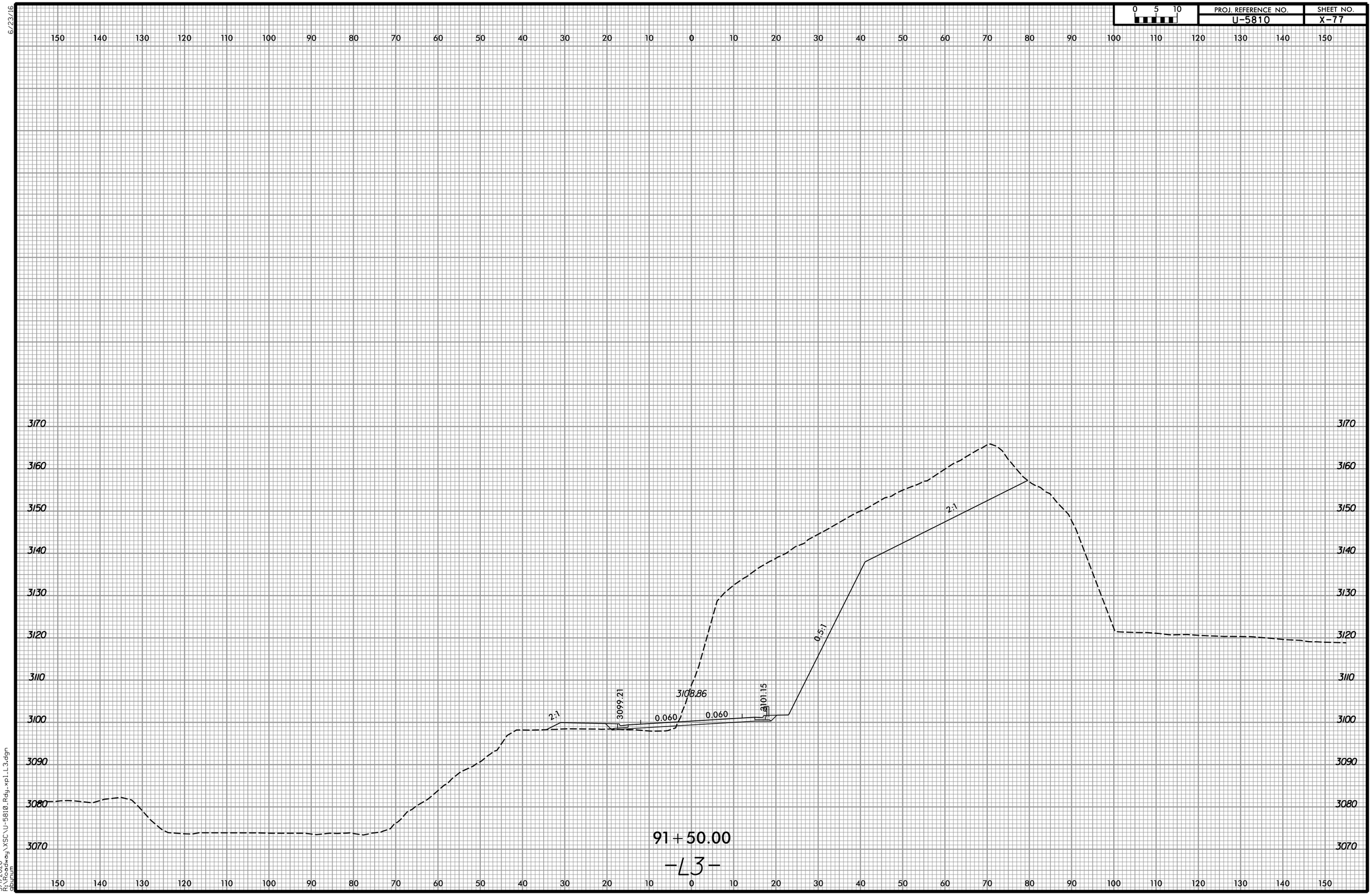
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090
3080
3070



91+00.00

-L3-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
dbrunn

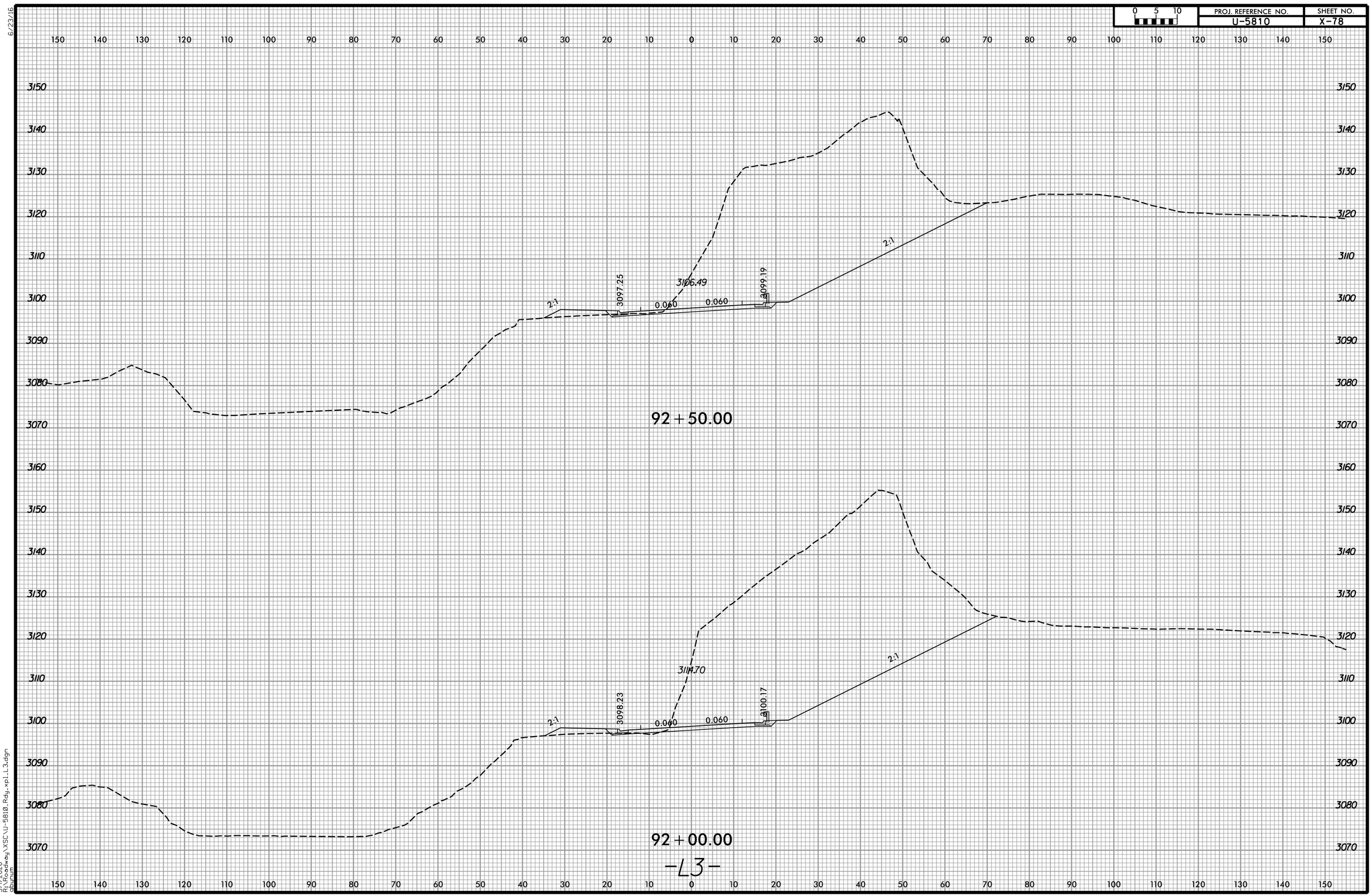


6/23/16

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
abynum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-78



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R:\Roadway\XSC\U-5810_Rdy_xp1_L3.dgn
dbruton

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-79

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

3150 3140 3130 3120 3110 3100 3090 3080 3070

PROP. RETAINING WALL

1.5:1

3113.36

3095.28

3101.97

3096.50

2:1

0.037

0.037

93+50.00

3140 3130 3120 3110 3100 3090 3080 3070

2:1

3096.18

3101.83

3098.12

0.060

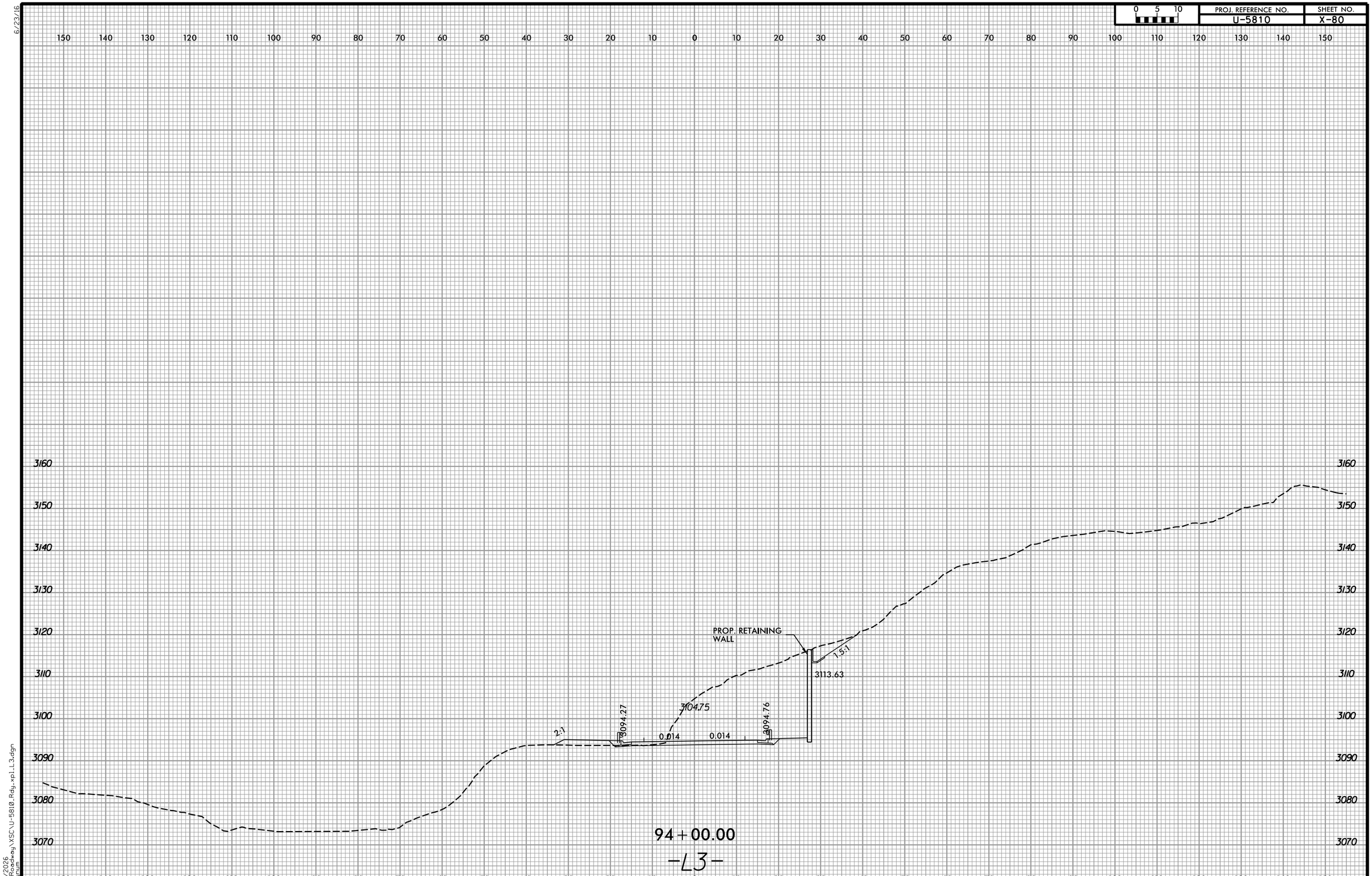
0.060

93+00.00

-L3-

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

5/1/2026
K:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
dbrunell



0 5 10
PROJ. REFERENCE NO.
U-5810
SHEET NO.
X-80
6/23/16
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
3160
3150
3140
3130
3120
3110
3100
3090
3080
3070
PROP. RETAINING WALL
1.5:1
3113.63
3104.75
3094.27
3094.76
2:1
0.014
0.014
94+00.00
-L3-
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
abynum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-81

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

3170
3160
3150
3140
3130
3120
3110
3100
3090
3080
3070

PROP. RETAINING WALL

1.5:1

3114.10

3093.33

3092.97

3098.49

2:1

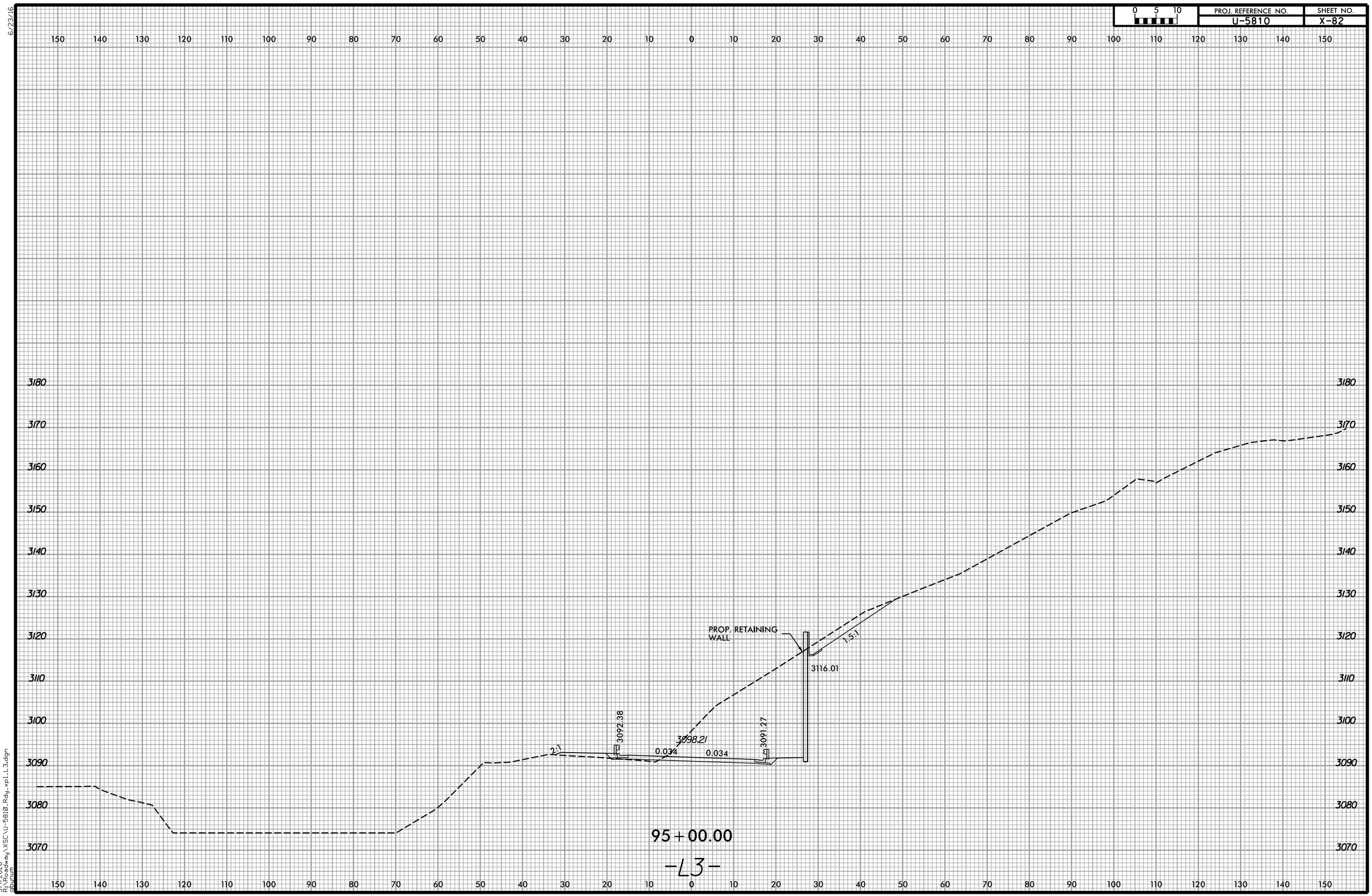
0.011

0.011

94+50.00

-L3-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
dbrunson

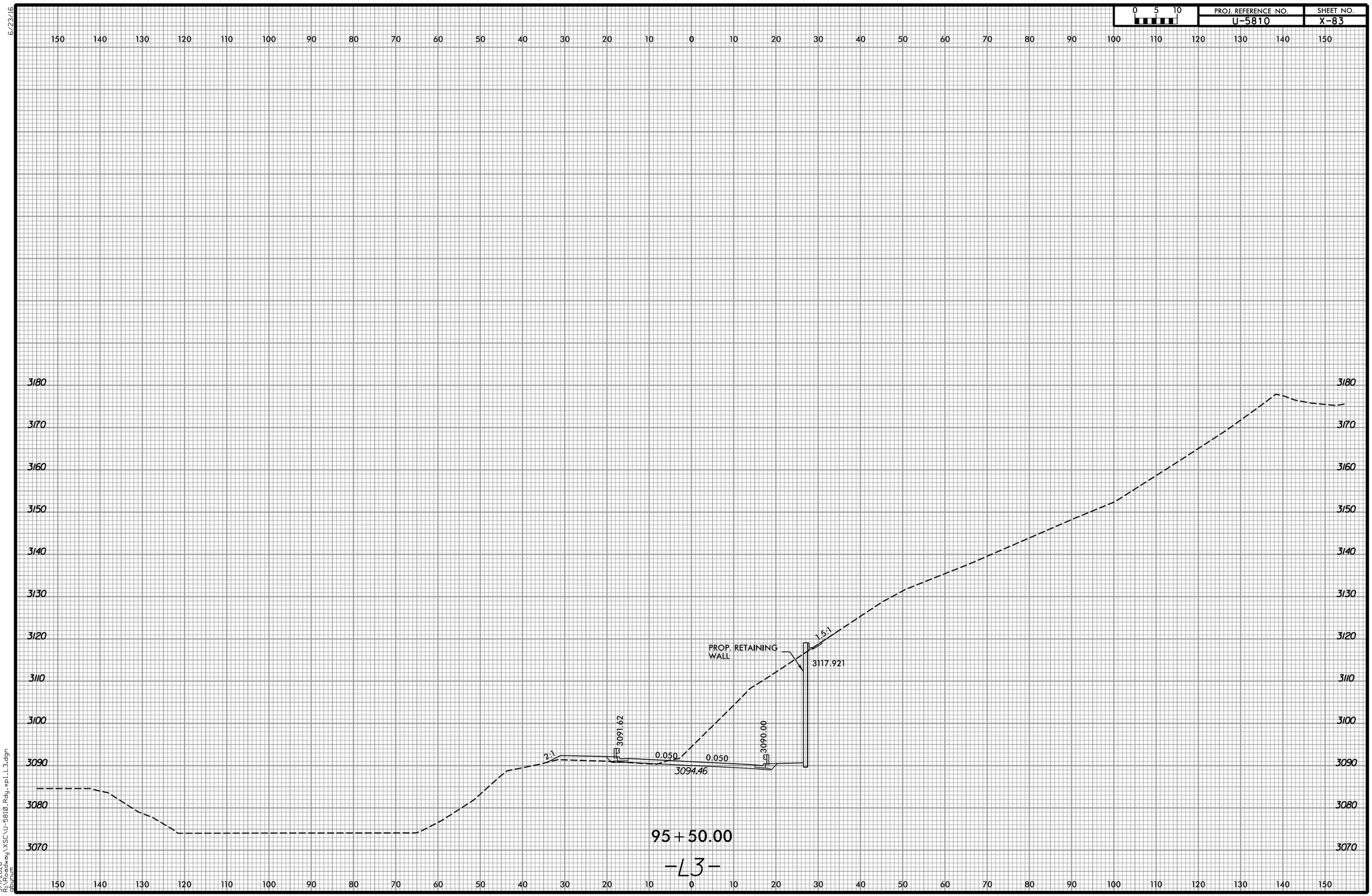


6/23/16

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
abunum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-83



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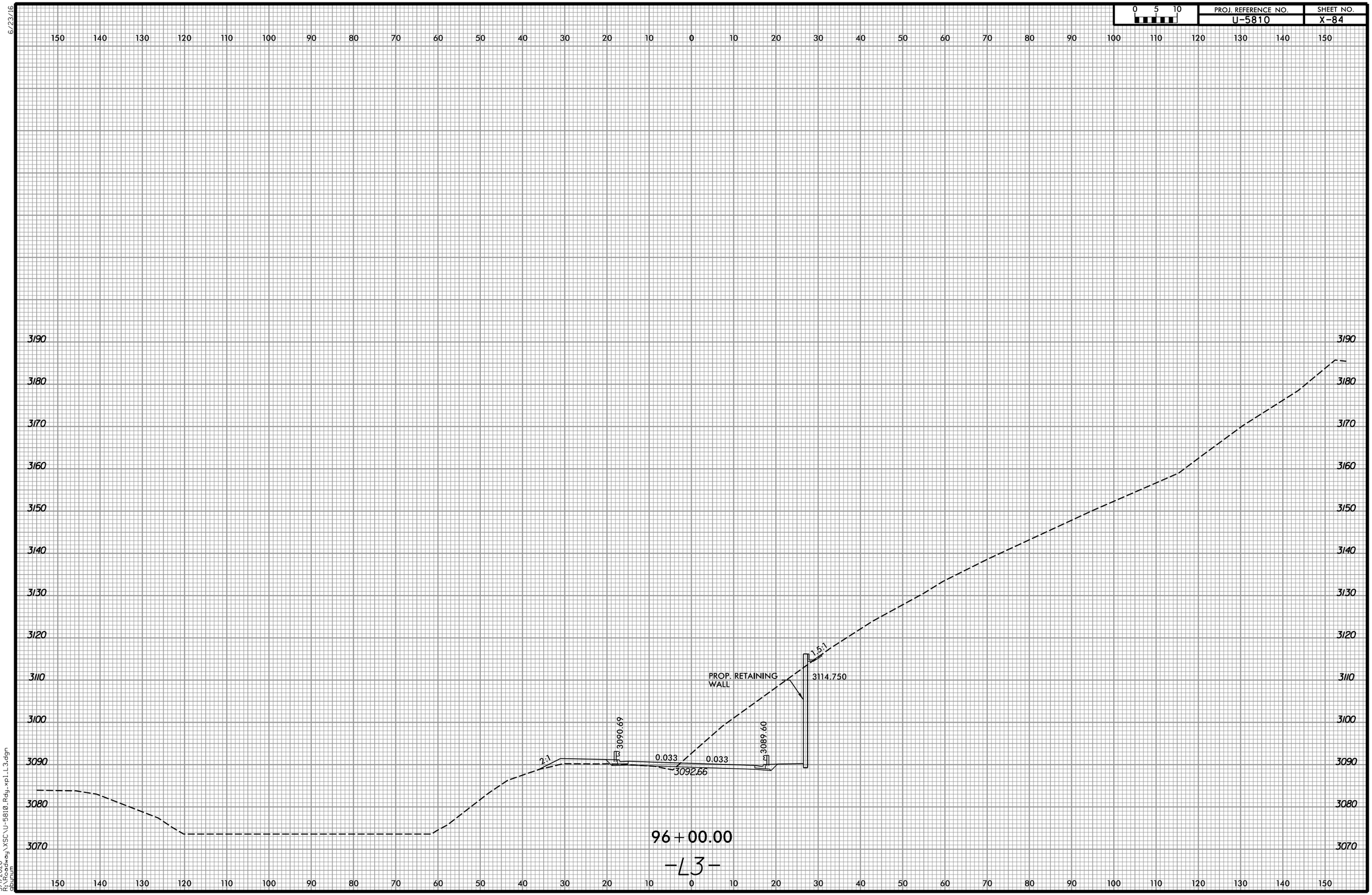
R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L3.dgn
gburum



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abunum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-85

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090
3080
3070

PROP. RETAINING WALL
1.5:1
3111.936
3089.99
3089.65
2:1
0.010
0.010
3092.08

96+50.00
-L3-

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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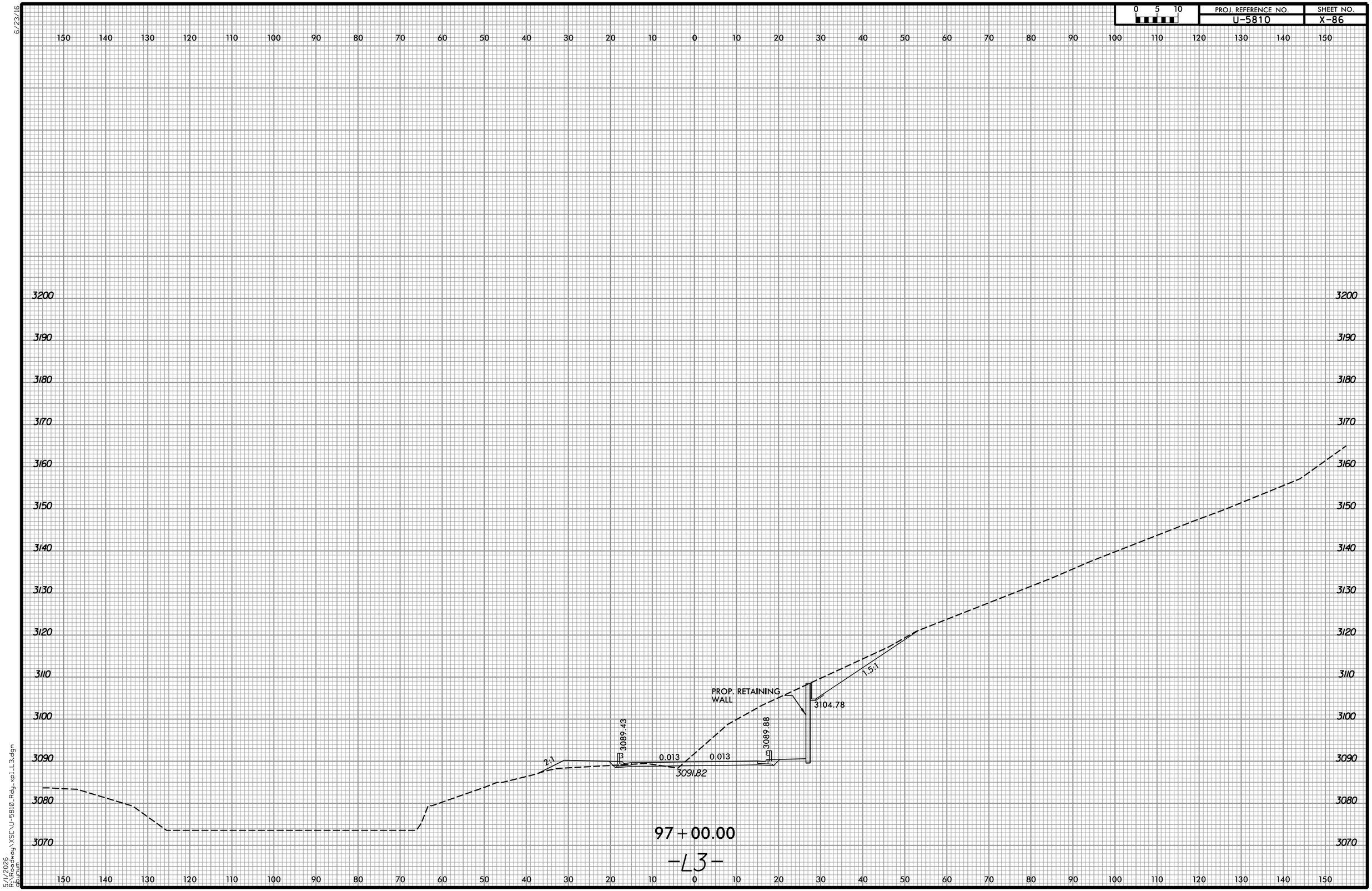
R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L3.dgn
gburum



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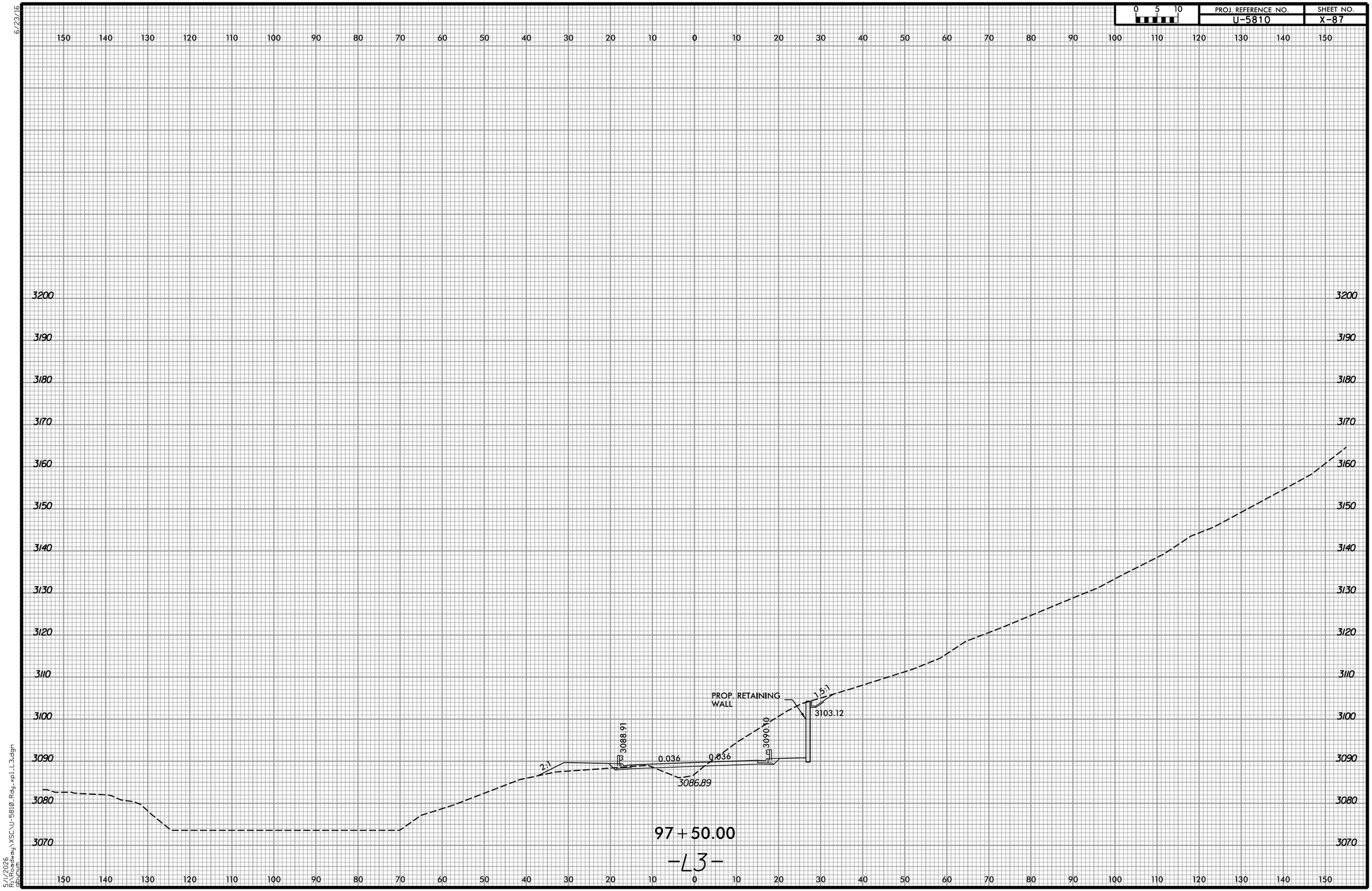
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
abynum



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R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
abynum

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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-88

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090
3080
3070

PROP. RETAINING WALL
3111.00
1.5:1
3088.54
3090.18
0.050
0.050
2:1
3092.98

98+00.00
-L3-

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

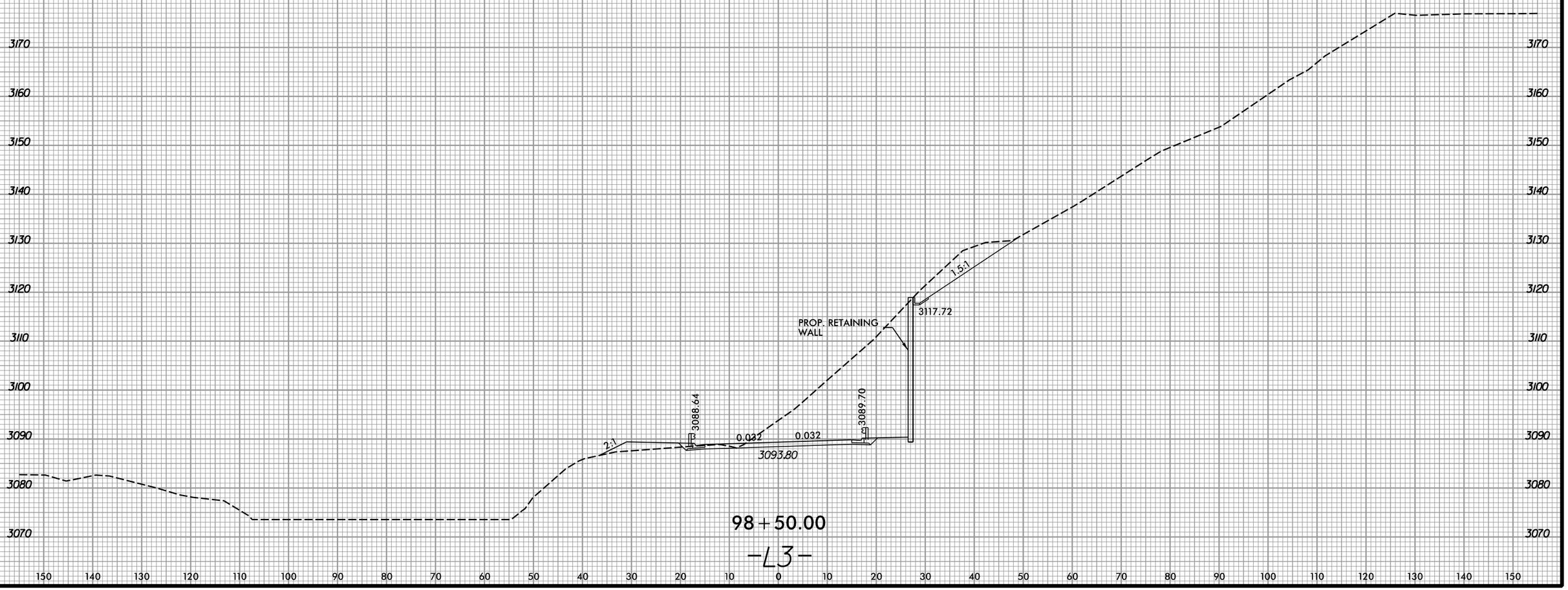
5/12/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
dbrunson

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-89

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090
3080
3070



98+50.00

-L3-

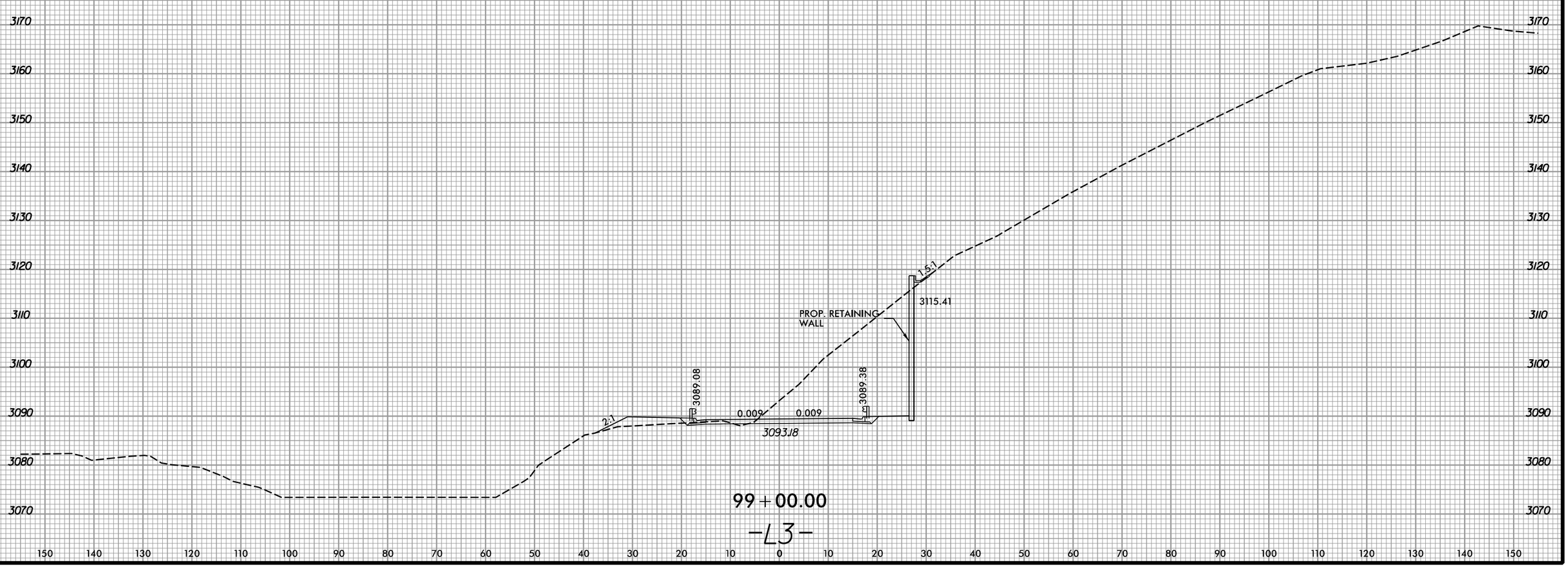
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
dbrunell

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-90

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

3200
3190
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090
3080
3070



99+00.00

-L3-

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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R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L3.dgn
gburum

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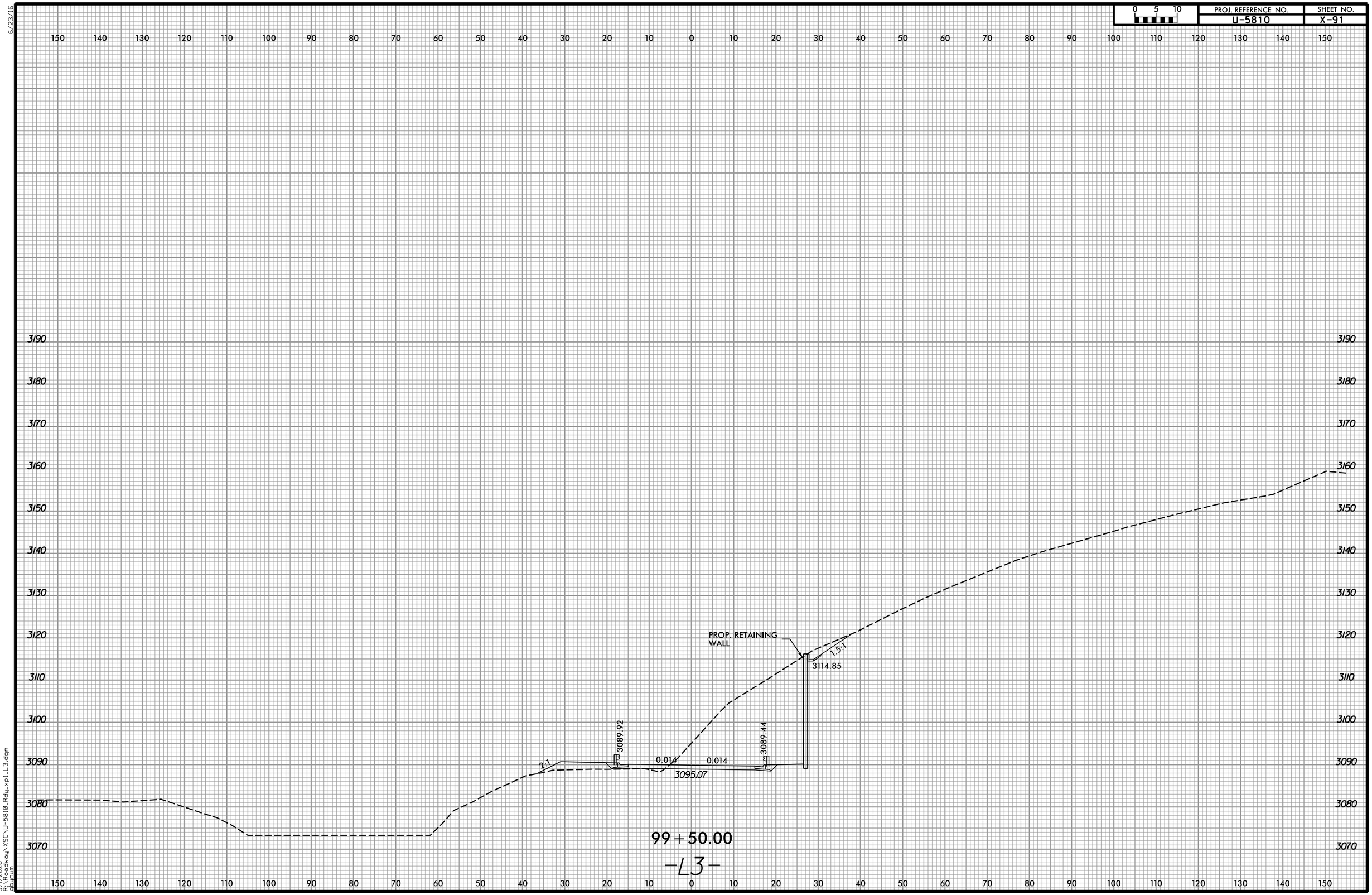
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-91



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R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L3.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-92

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

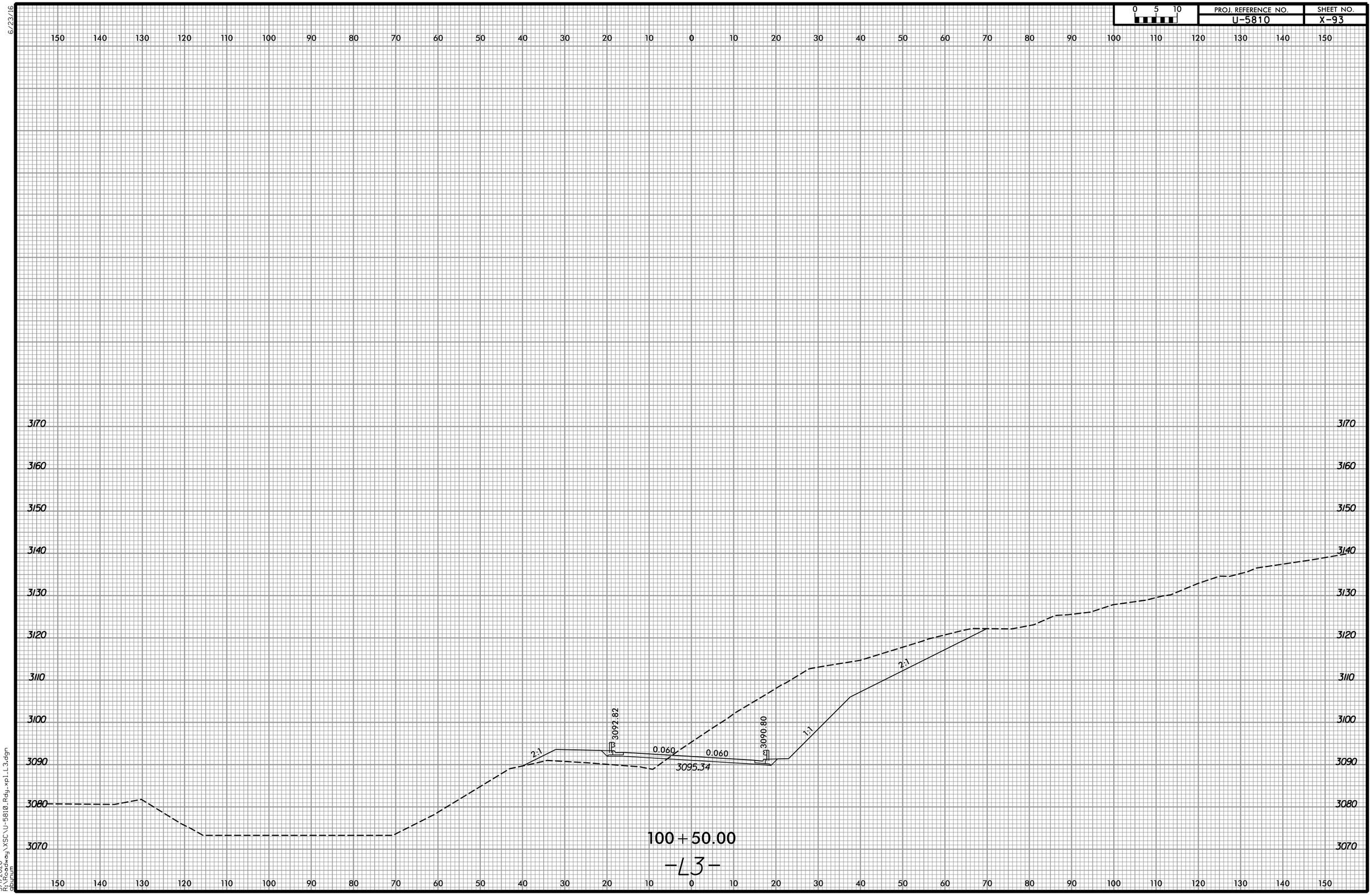
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090
3080
3070

PROP. RETAINING WALL
2:1
3112.83
2:1
3091.15
3089.91
0.037
0.037
3093.81

100+00.00

-L3-

5/1/2026
R:\Projects\Highway\XSC\U-5810_Rdy_xp1_L3.dgn
gburum



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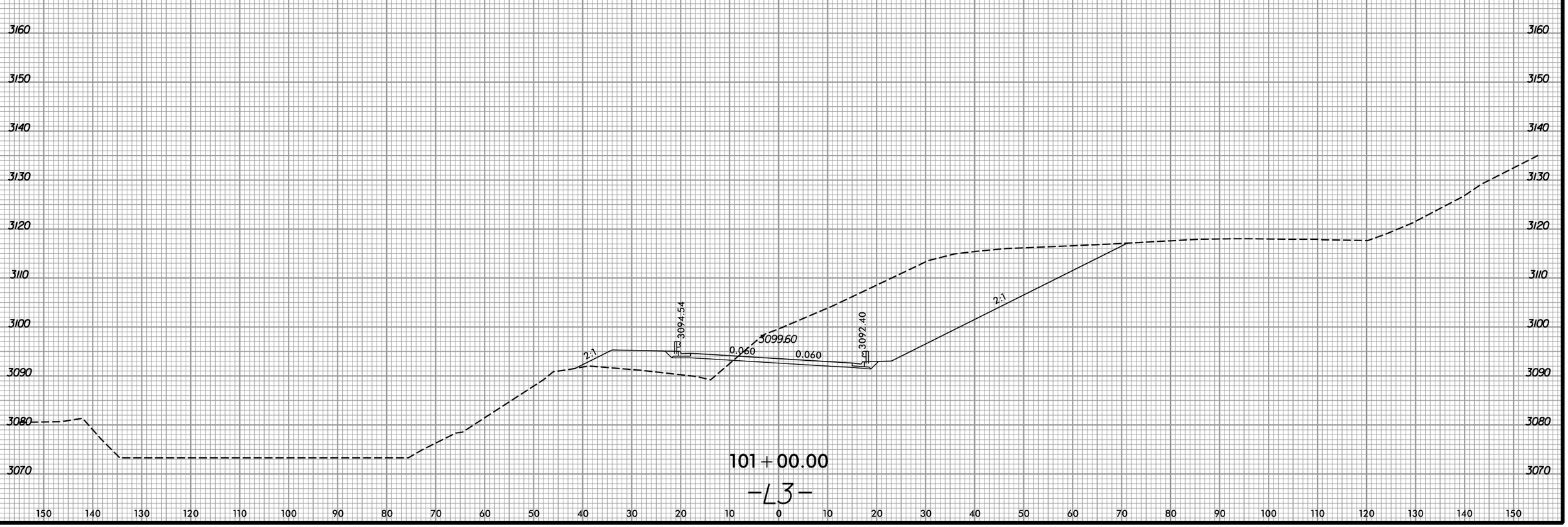
abunum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-94

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

3170 3160 3150 3140 3130 3120 3110 3100 3090 3080 3070



101+00.00

-L3-

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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R:\Roadway\XSC\U-5810_Rdy_xp1_L3.dgn
gburum

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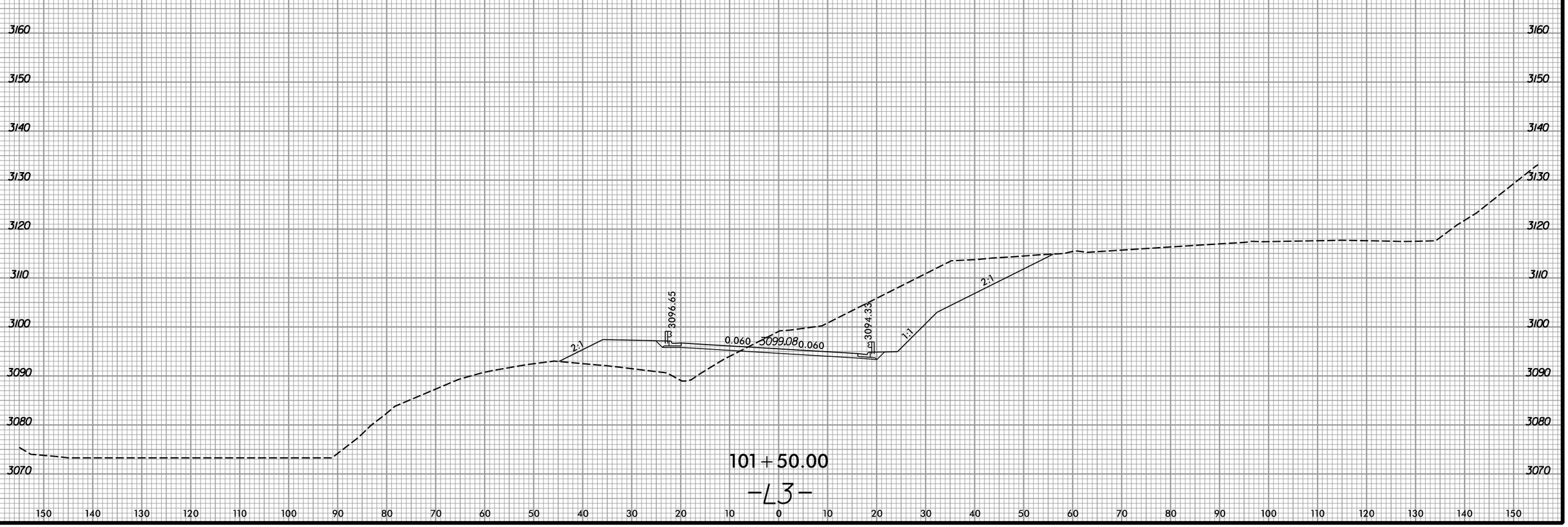
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-95

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

3170 3160 3150 3140 3130 3120 3110 3100 3090 3080 3070



101+50.00

-L3-

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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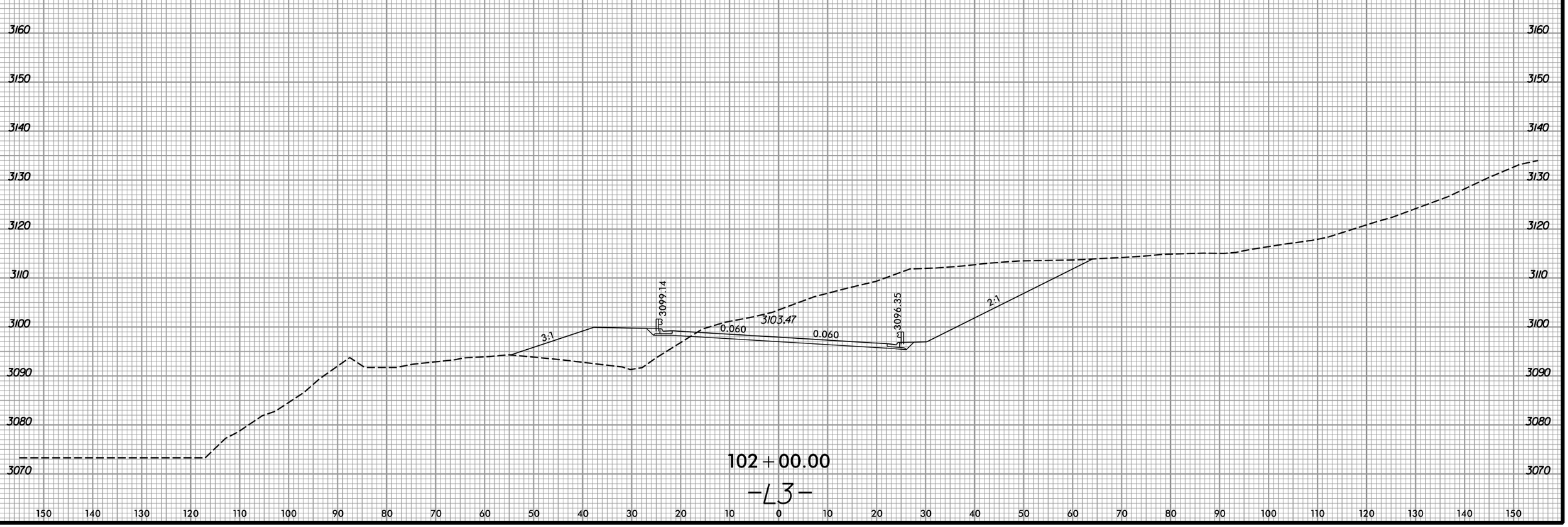
R:\Roadway\XSC\U-5810_Rdy_xp1_L3.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-96

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

3170 3160 3150 3140 3130 3120 3110 3100 3090 3080 3070



102+00.00

-L3-

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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R:\Roadway\XSC\U-5810_Rdy_xp1_L3.dgn
gburum

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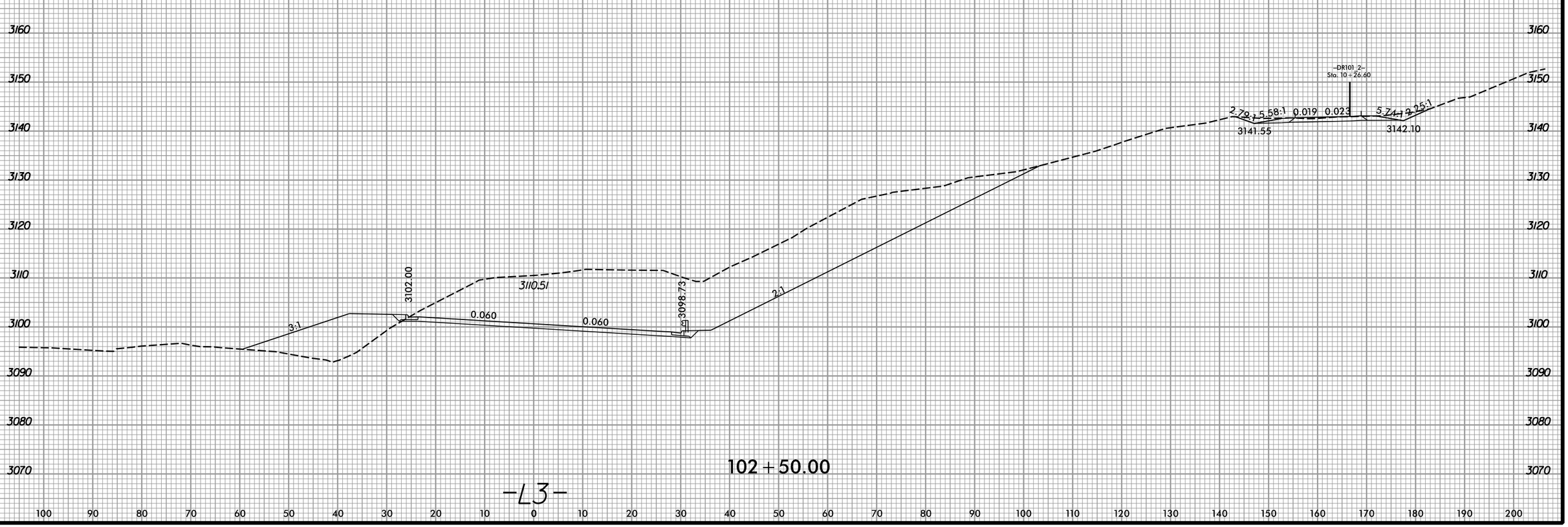
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-97

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

3170 3160 3150 3140 3130 3120 3110 3100 3090 3080 3070



102+50.00

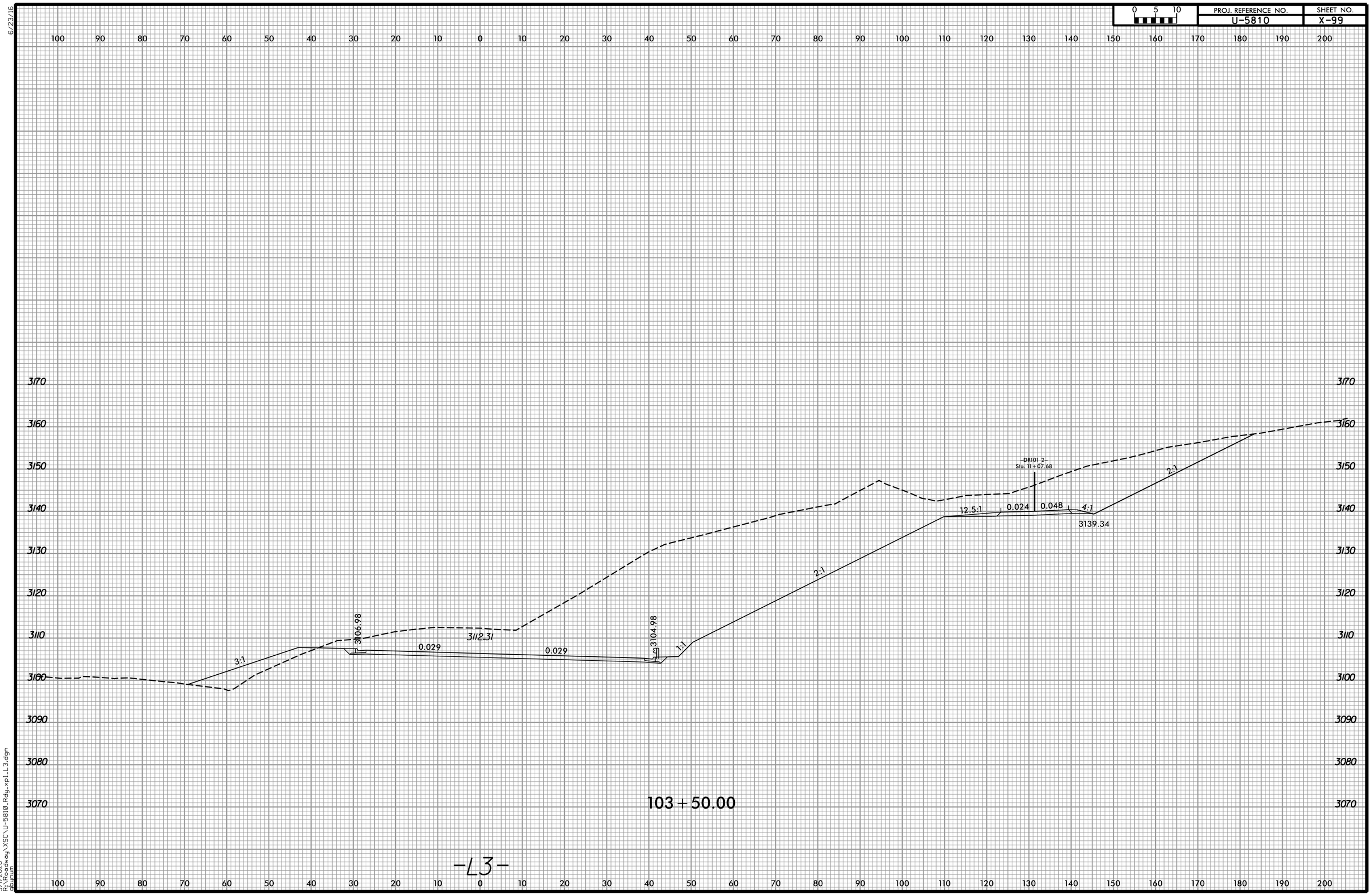
-L3-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_L3.dgn
dbuhum

0 5 10
PROJ. REFERENCE NO.
U-5810
SHEET NO.
X-98
6/23/16
3180
3170
3160
3150
3140
3130
3120
3110
3100
3090
3080
3070
3:1
3104.73
3111.30
0.052
0.052
3101.49
1:1
2:1
13.5:1
0.035
0.081
4.54:1
3142.37
2.27:1
-DR101_2-
Sta. 10+70.25
103+00.00
-L3-
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
abunum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-99

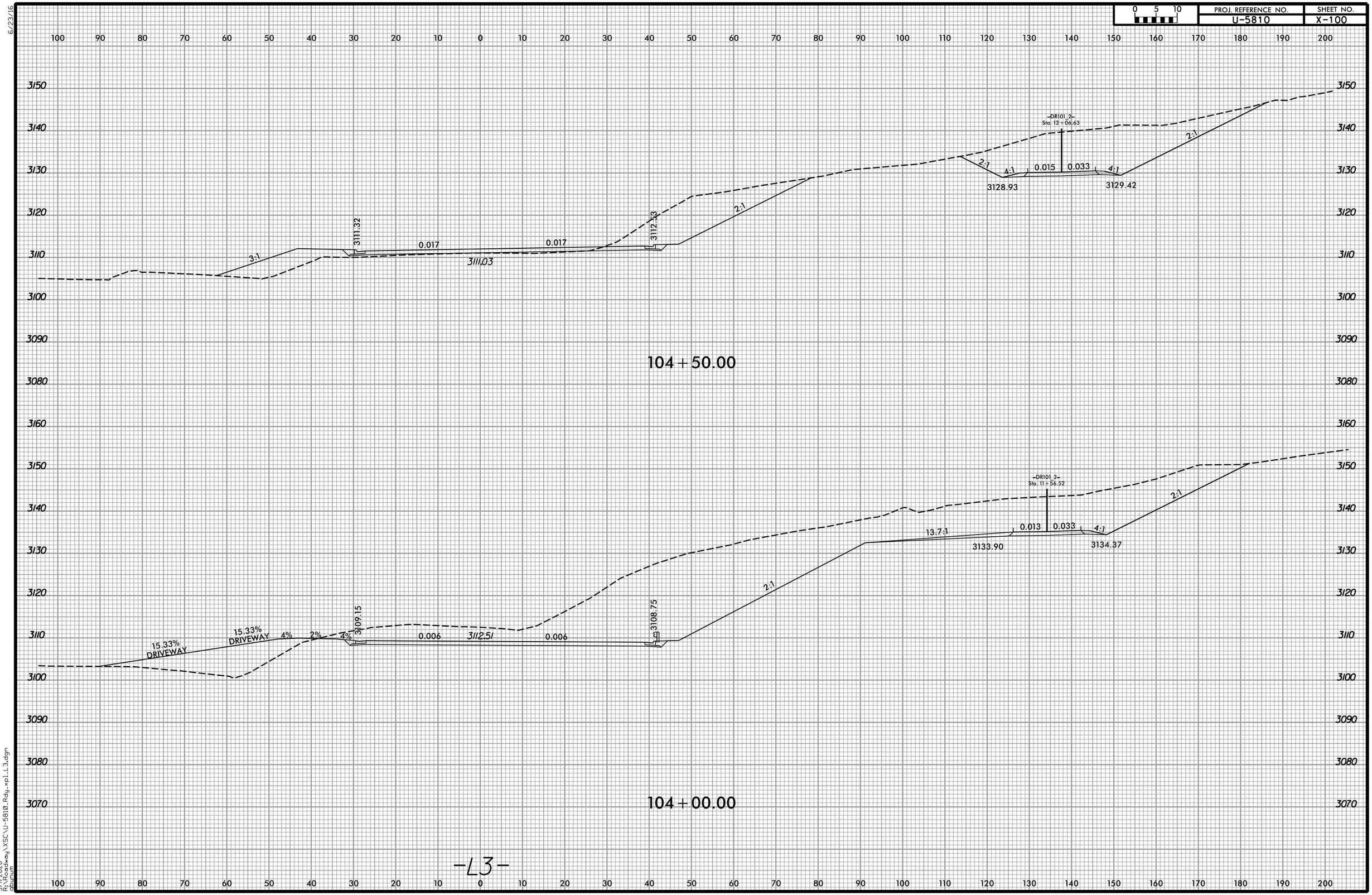


-L3-

5/12/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
dbrunn

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-100



-L3-

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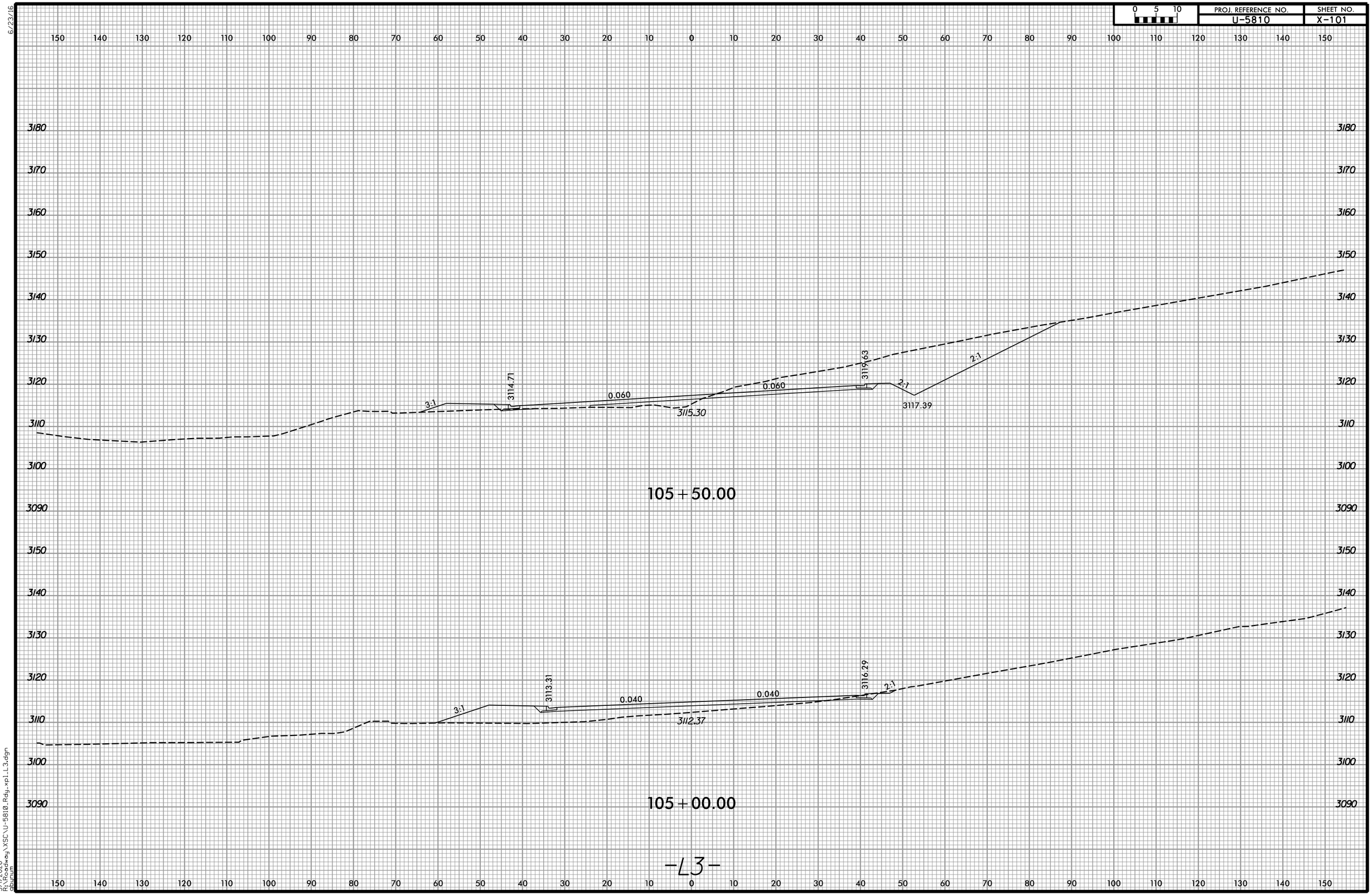
K:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
dbyrum



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R:\Roadway\XSC\U-5810_Rdy_xpl_L3.dgn
abunum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-102

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

3170 3160 3150 3140 3130 3120 3110 3100 3190 3180 3170 3160 3150 3140 3130 3120 3110 3100 3190

3120.58

106+50.00

3:1

3112.65

0.060

3119.35

0.060

3122.30

2:1

2:1

3120.76

106+00.00

-L3-

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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R:\Roadway\XSC\U-5810_Rdy_xp1_L3.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-103

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

3200 3190 3180 3170 3160

2:1 4:1 0.02 0.014 0.014 4:1

3164.23

16+00.00

3200 3190 3180 3170 3160 3150

2:1 0.038 0.038 4:1

3161.73

15+50.00

3190 3180 3170 3160 3150 3140

2:1 0.032 0.043 4:1

3158.63

15+00.00

-Y/-

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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gburgun

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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-104

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

3230
3220
3210
3200
3190
3180
3170
3160

2:1
2:1
3209.64
2:1
DR1
11+38.67
0.035
0.035
2:1
PROP. RETAINING WALL
4:1
0.02
0.032
0.032
4:1
3171.68

17+00.00

3210
3200
3190
3180
3170
3160
3150

DR1
11+96.26
2.21:1
0.053
0.053
2:1
3192.13
2:1
PROP. RETAINING WALL
4:1
0.02
0.009
0.009
4:1
3166.99

16+50.00

-Y1-

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

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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-105

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

3220
3210
3200
3190
3180
3170
3160
3150

2:1 0.003 0.054 0.054 2:1

3168.19

18+00.00

2:1 2:1

3206.00

1.75:1

DRL
10+82.34

PROP. RETAINING WALL

0.072 0.076 2:1 4:1 0.02 0.055 0.055 2:1

3168.04

17+50.00

-Y/-

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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R:\Roadway\XSC\U-5810_Rdy_xp1_Y1.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-106

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

3200
3190
3180
3170

2:1 4:1 0.020 0.020 2:1
3180.92
3179.57

21+50.00

-RABI- INTERSECTION

3180
3170

2:1 2:1 2:1 0.020 0.020 2:1 2:1 2:1
3165.79
3170.61
3162.18

19+50.00

3190
3180
3170

2:1 2:1 2:1 0.02 0.031 0.031 2:1 2:1 2:1
3164.30
3169.13
3159.36

19+00.00

3200
3190
3180
3170
3160

2:1 0.042 0.042 2:1
S.S. 3171.10
3168.38

18+50.00

-Y/-

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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K:\Roadway\XSC\U-5810_Rdy_xp1_Y1.dgn
dbrunn

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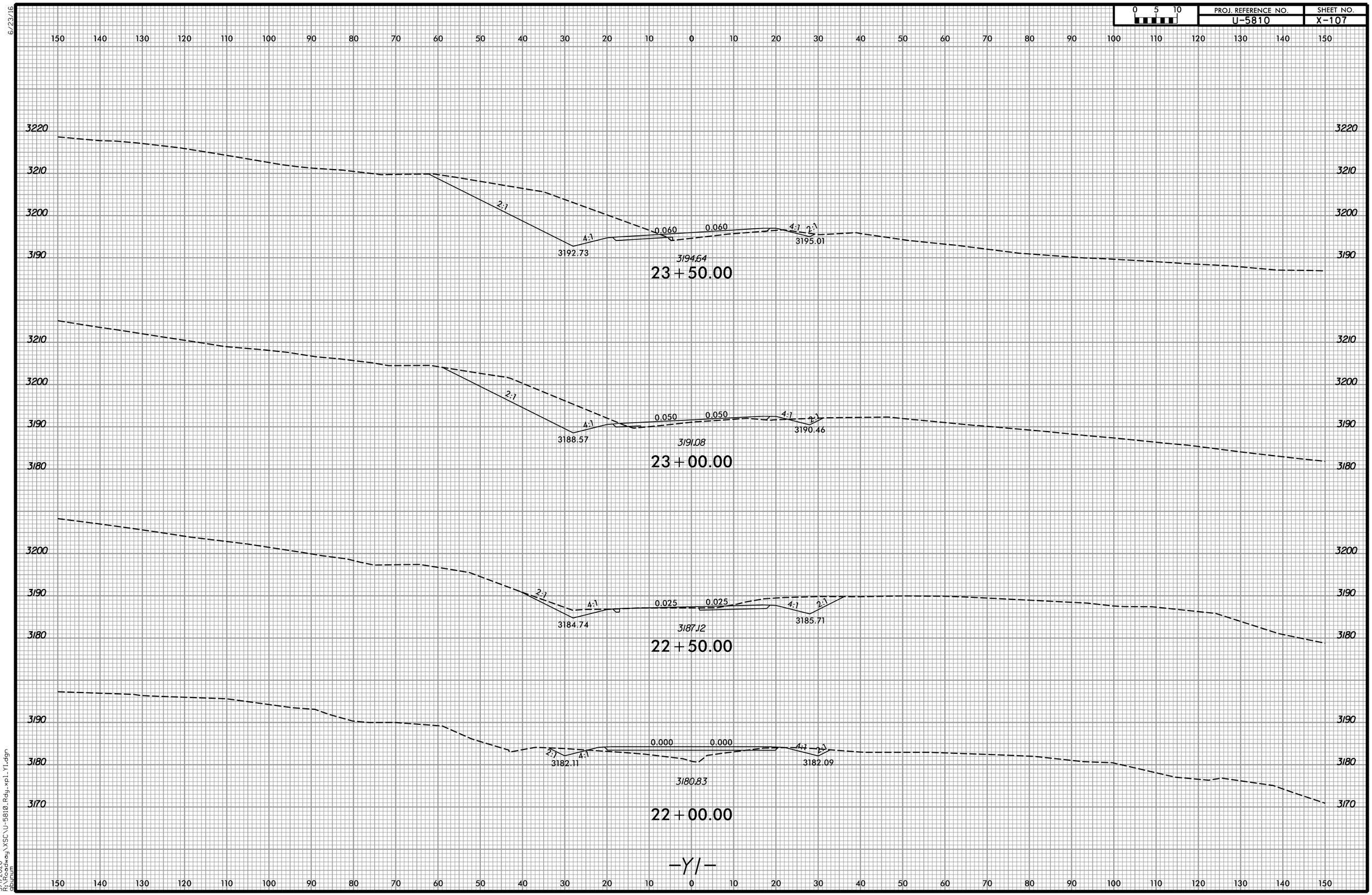
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-107



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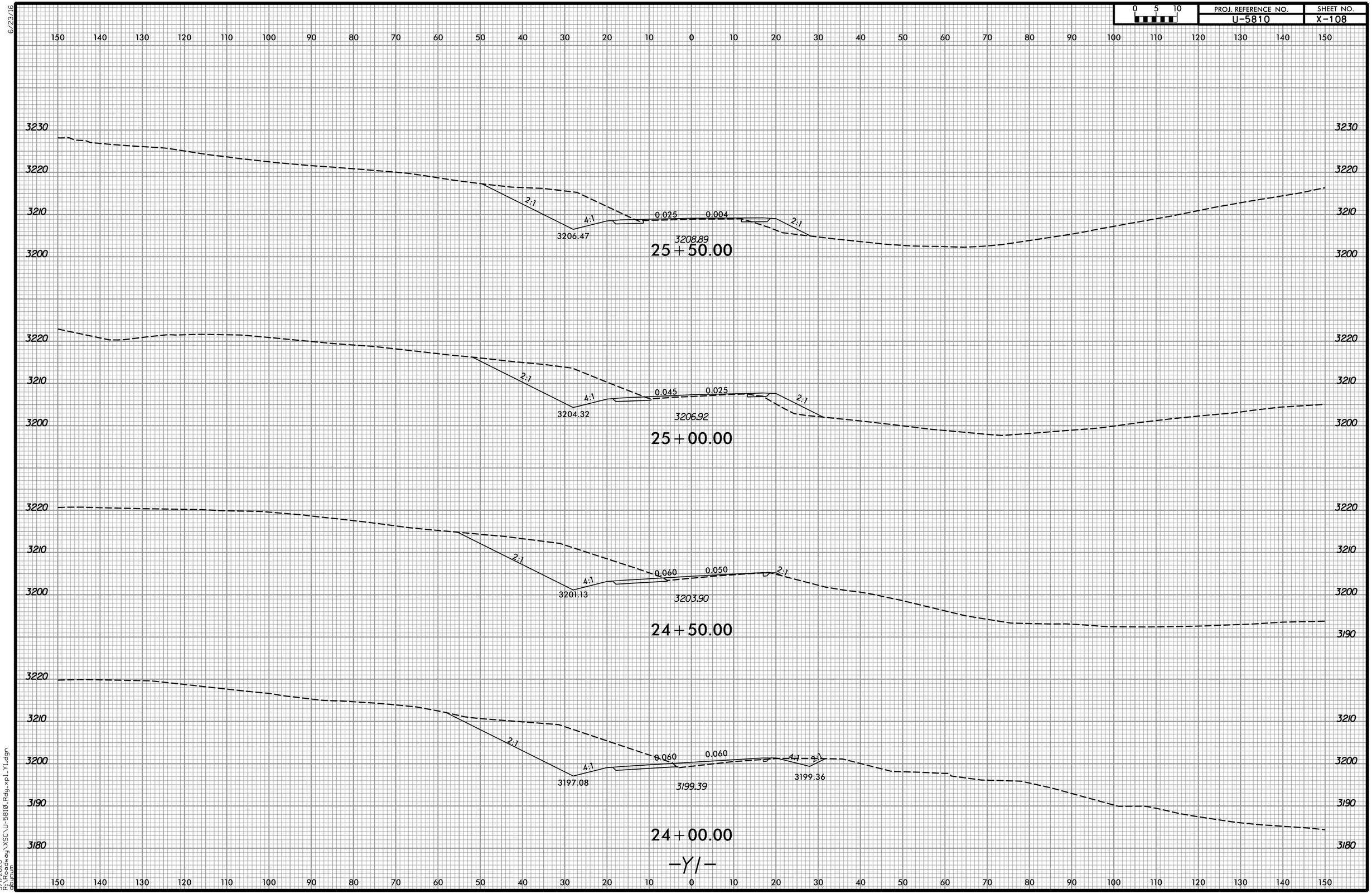
R:\Roadway\XSC\U-5810_Rdy_xpl_Y1.dgn
dburum



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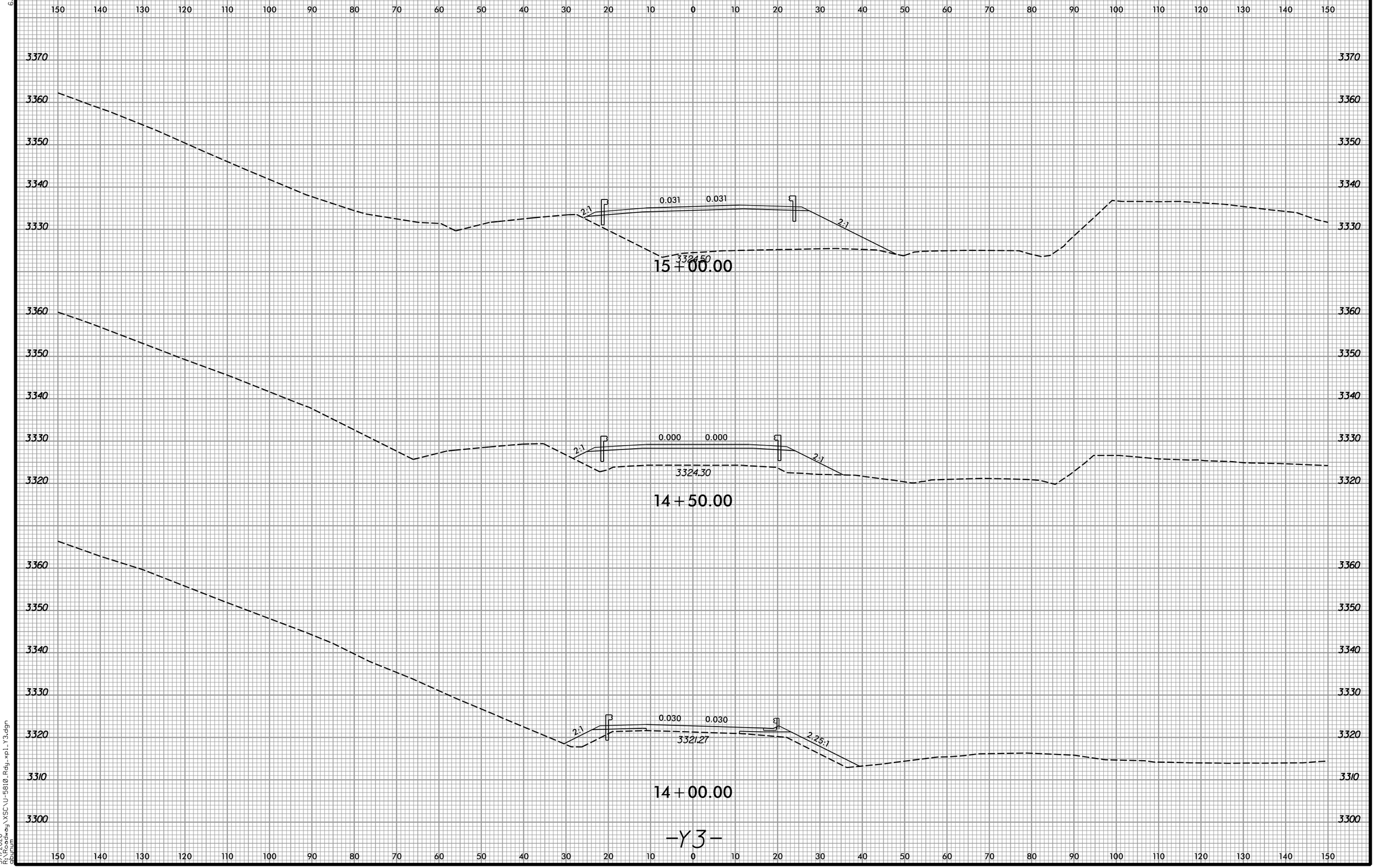
abunum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-109



-Y3-

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R:\Highway\XSC\U-5810_Rdy_xp1_Y3.dgn
dburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-110

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

3390
3380
3370
3360
3350

6:1 0.020 0.020 4:1 2:1
3354.72
3352.59

16+50.00

3360
3350
3340

5.75:1 0.010 0.010 4:1 2:1
S.S. 3348.84
3346.44
3344.85

16+00.00

3350
3340
3330
3320
3310

0.040 0.040 2:1
3339.50

15+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

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6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-111

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

3250
3240
3230
3220
3210
3200
3190
3180
3170

7.9:1
0.095
0.095
3211.23
2:1

10+50.00

3205.15

10+00.00

-Y4-

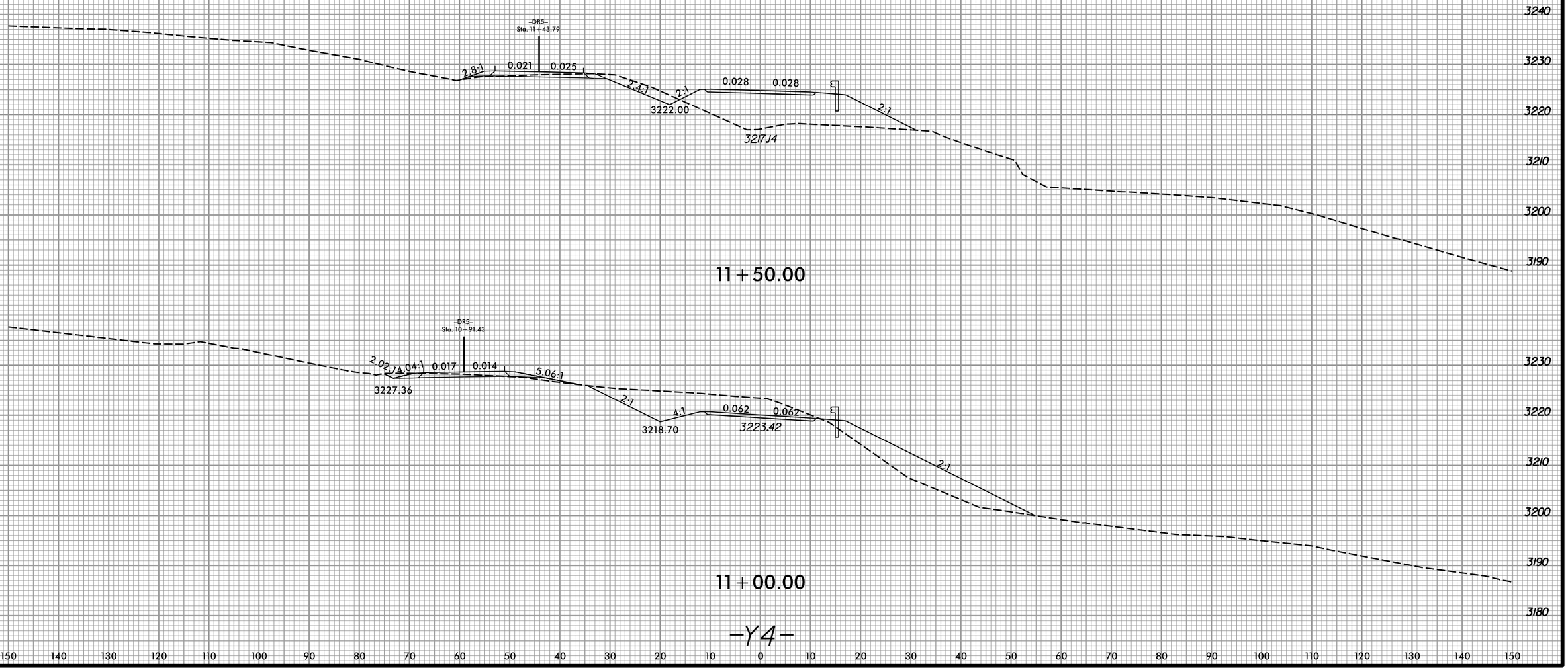
5/1/2026
R:\Projects\Highway\XSC\U-5810_Rdy_xpl_Y4.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-112

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

3240 3230 3220 3210 3200 3190 3180



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R:\Roadway\XSC\U-5810_Rdy_xpl_Y4.dgn
dburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-113

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

3280 3270 3260 3250 3240 3230 3220 3210 3200 3190 3180

2:1 0.020 0.020 2:1

3234.81

12+50.00

0.005 0.005

3229.95

2:1

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

5/1/2026
R:\Projects\Highway\XSC\U-5810_Rdy_xpl_Y4.dgn
dburum

6/23/16

0 5 10

PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-114

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

3300
3290
3280
3270
3260
3250
3240
3230
3220
3210
3200
3190
3180

2:1 0.045 0.046 2:1

3238.22

13+00.00

-Y4-

5/1/2026
R:\Projects\Highway\XSC\U-5810_Rdy_xpl_Y4.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-115

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

3310
3300
3290
3280
3270
3260
3250
3240
3230
3220
3210
3200
3190
3180

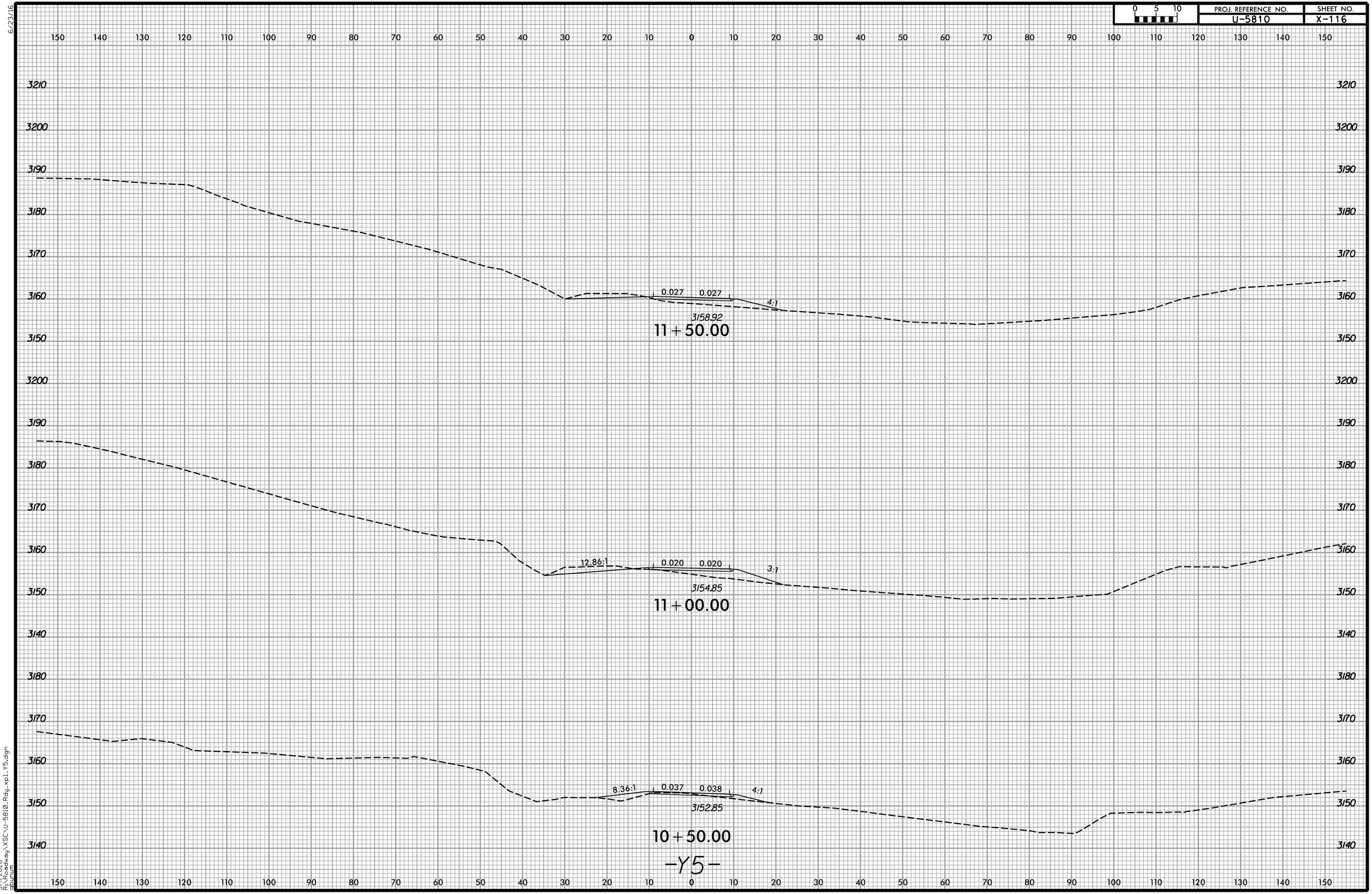
3241.47

13+50.00

-Y4-

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

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_Y4.dgn
dbrunn



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5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_Y5.dgn
abynum

6/23/16

0 5 10

PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-117

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

3240 3230 3220 3210 3200 3190 3180 3170 3160 3150

2:1 4:1 0.003 0.003 3:1

3168.47 3170.06

12+50.00

7.422:1 0.030 0.030 3:1

3164.05

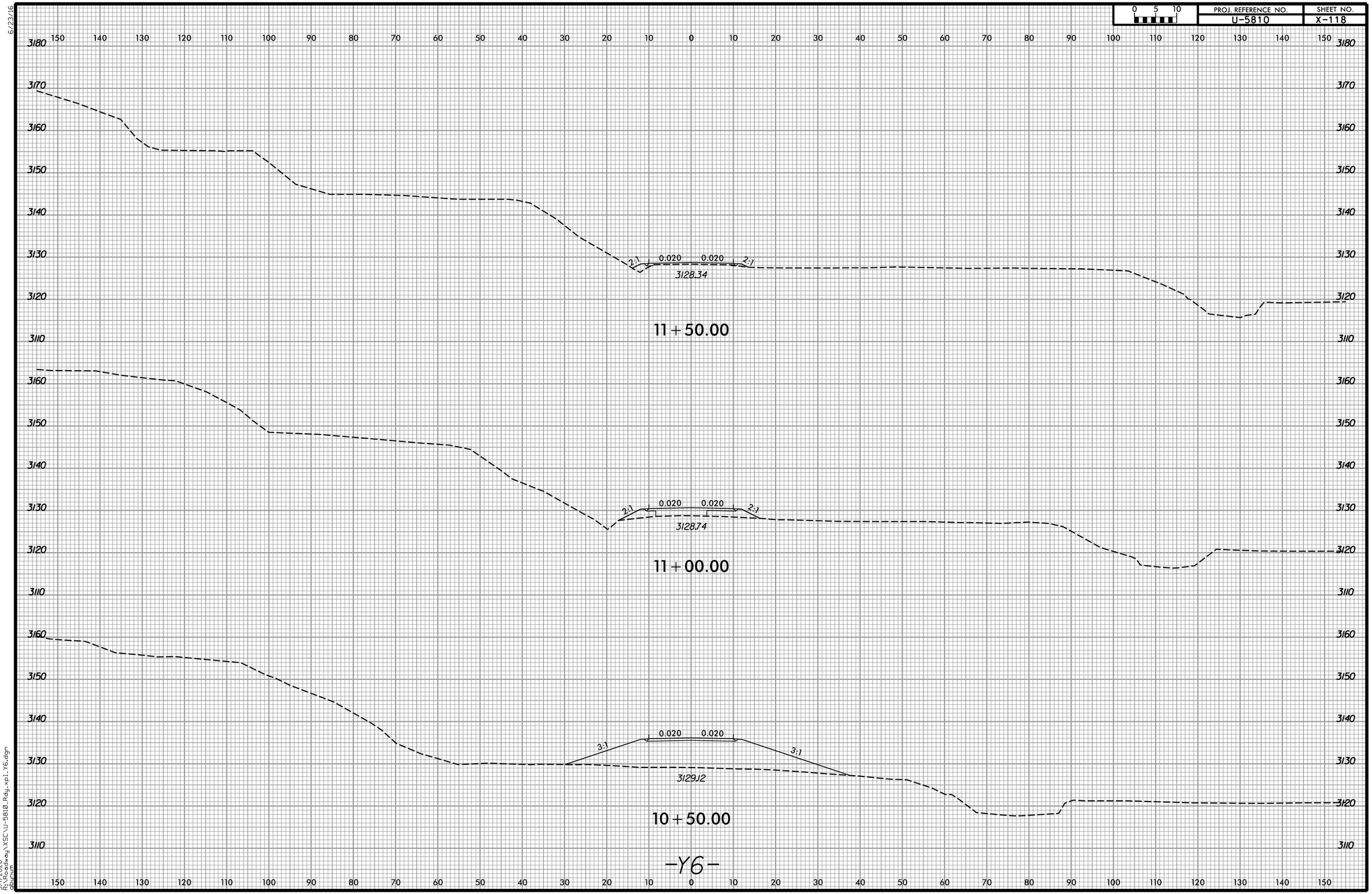
12+00.00

-Y5-

5/1/2026
R:\Projects\Highway\XSC\U-5810_Rdy_xp1_Y5.dgn
gburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-118



-Y6-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_Y6.dgn
dbrunem

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-119

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

3180
3170
3160
3150
3140
3130
3120
3110

3128.30

3128.35

2:1 0.000 0.020 2:1

12+00.00

-Y6-

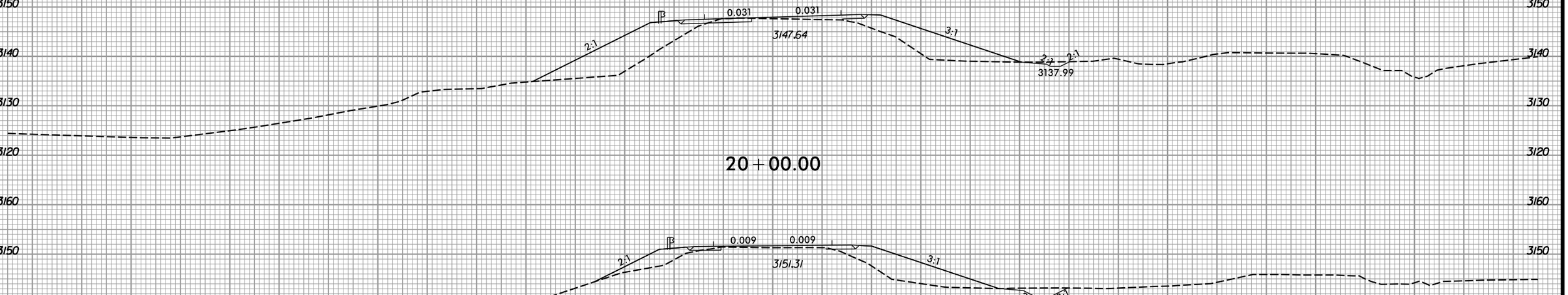
5/1/2026
R:\Projects\Hwy\XSC\U-5810_Rdy_xp1_Y6.dgn
gburum

6/23/16

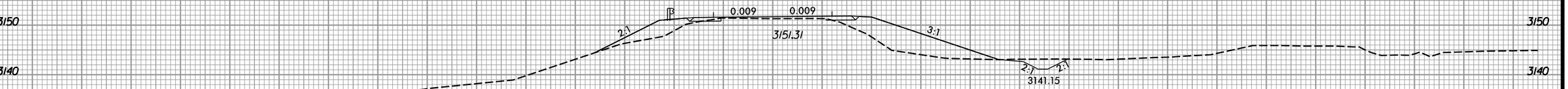
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-120

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

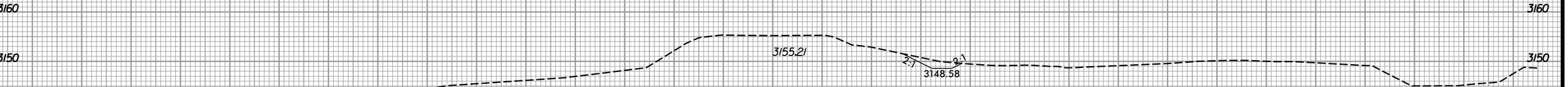
3180 3170 3160 3150 3140 3130 3120



20+00.00



19+50.00



19+00.00

-Y7-

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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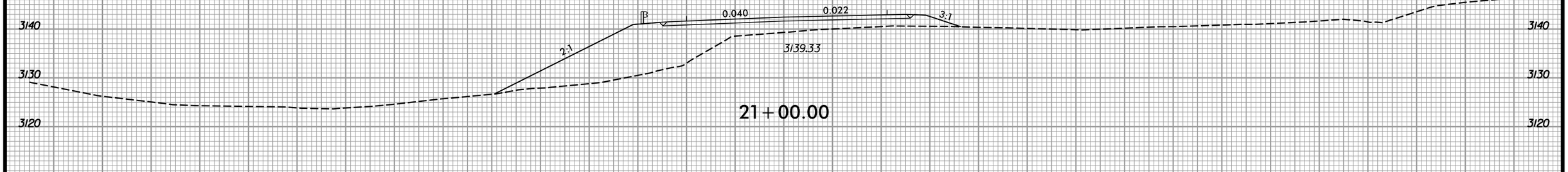
R:\Roadway\XSC\U-5810_Rdy_xpl_Y7.dgn
gburton

6/23/16

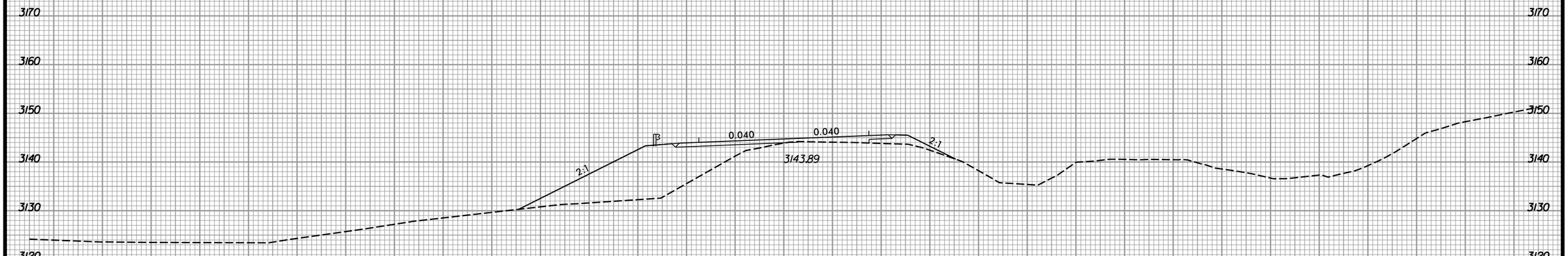
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-121

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

3170
3160
3150
3140
3130
3120



21+00.00



20+50.00

-Y7-

3170
3160
3150
3140
3130
3120

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

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_Y7.dgn
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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-122

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

3170 3160 3150 3140

3:1 0.009 0.008 4:1

3156.58

12+00.00

3160 3150 3140 3130

3:1 0.020 0.020 4:1

3150.11

11+50.00

3160 3150 3140 3130

4:1 0.006 0.006 3:1

3139.99

11+00.00

3160 3150 3140 3130

3:1 0.039 0.039 3:1

3135.13

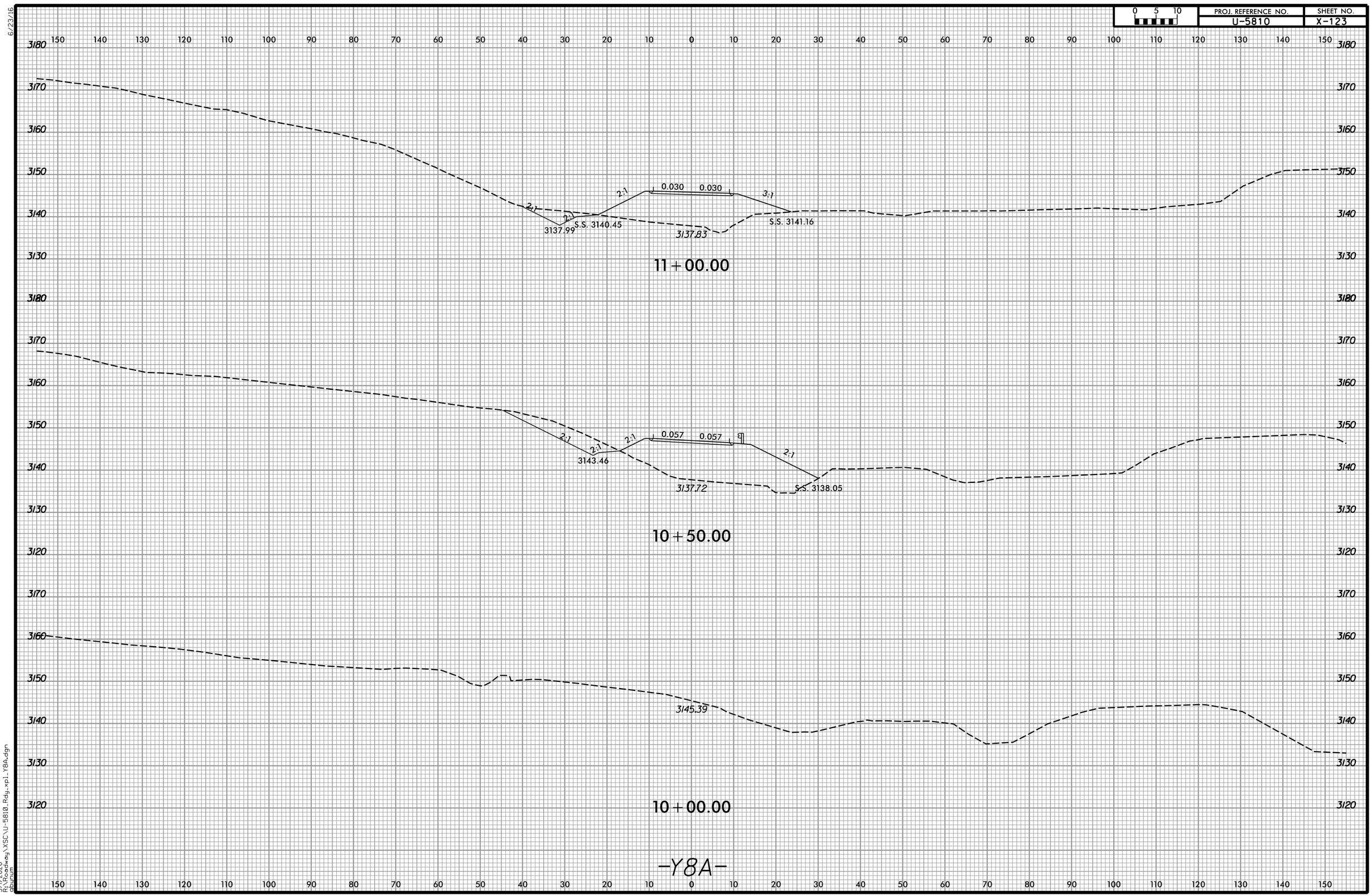
10+50.00

3120

-Y8-

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

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_Y8.dgn
gburum



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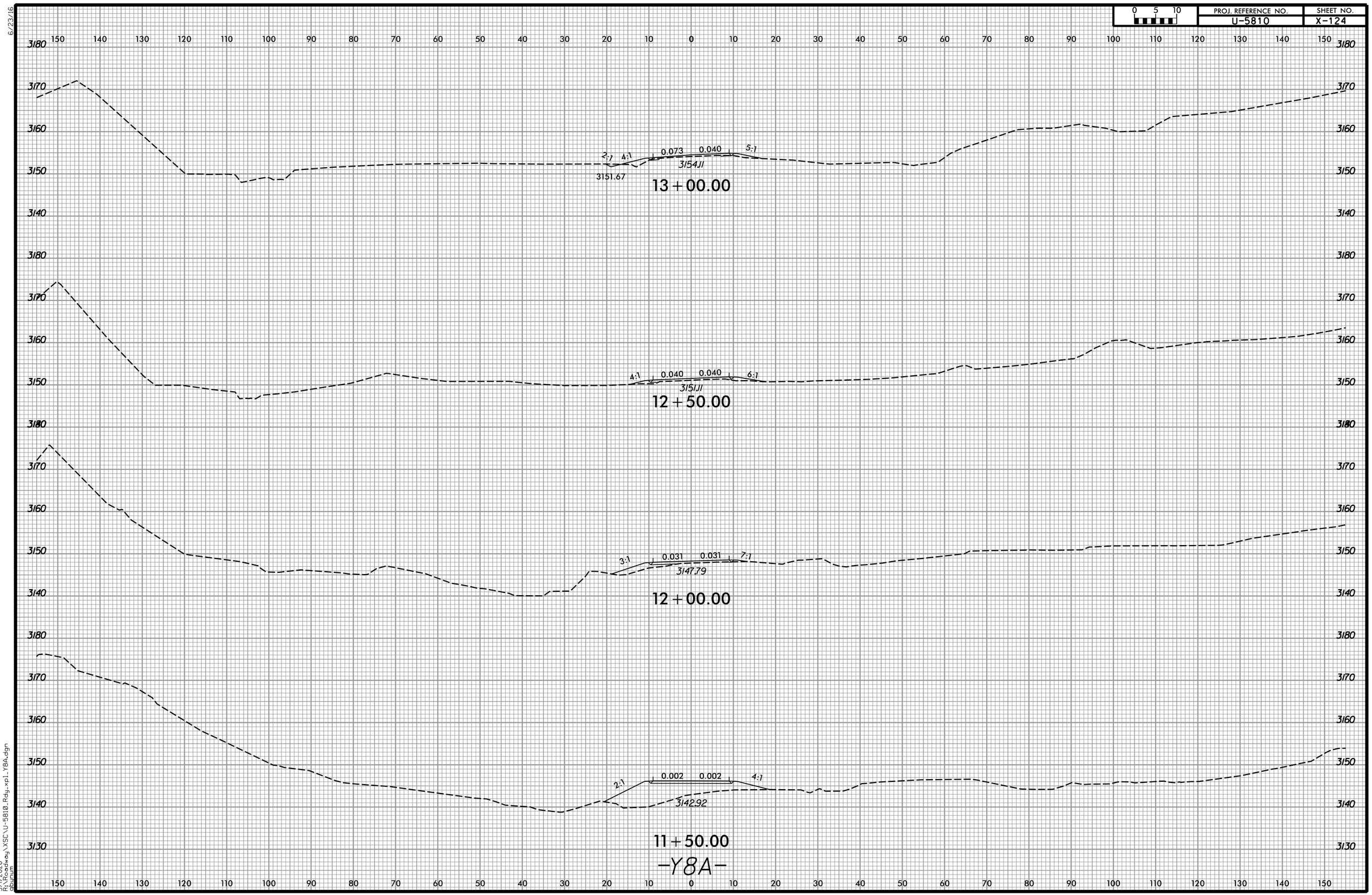
R:\Roadway\XSC\U-5810_Rdy_xpl_Y8A.dgn
abynum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-124



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R:\Roadway\XSC\U-5810_Rdy_xpl_Y8A.dgn
dbrunell

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-125

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

3170
3160
3150
3140
3130

3148.66

11+50.00

3150
3140
3130

2:1 2:1 0.027 0.003 2:1 2:1

3142.34

11+00.00

3140
3130
3120

2:1 2:1 0.020 0.020 2:1

3135.28

10+50.00

-Y9-

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

5/1/2026
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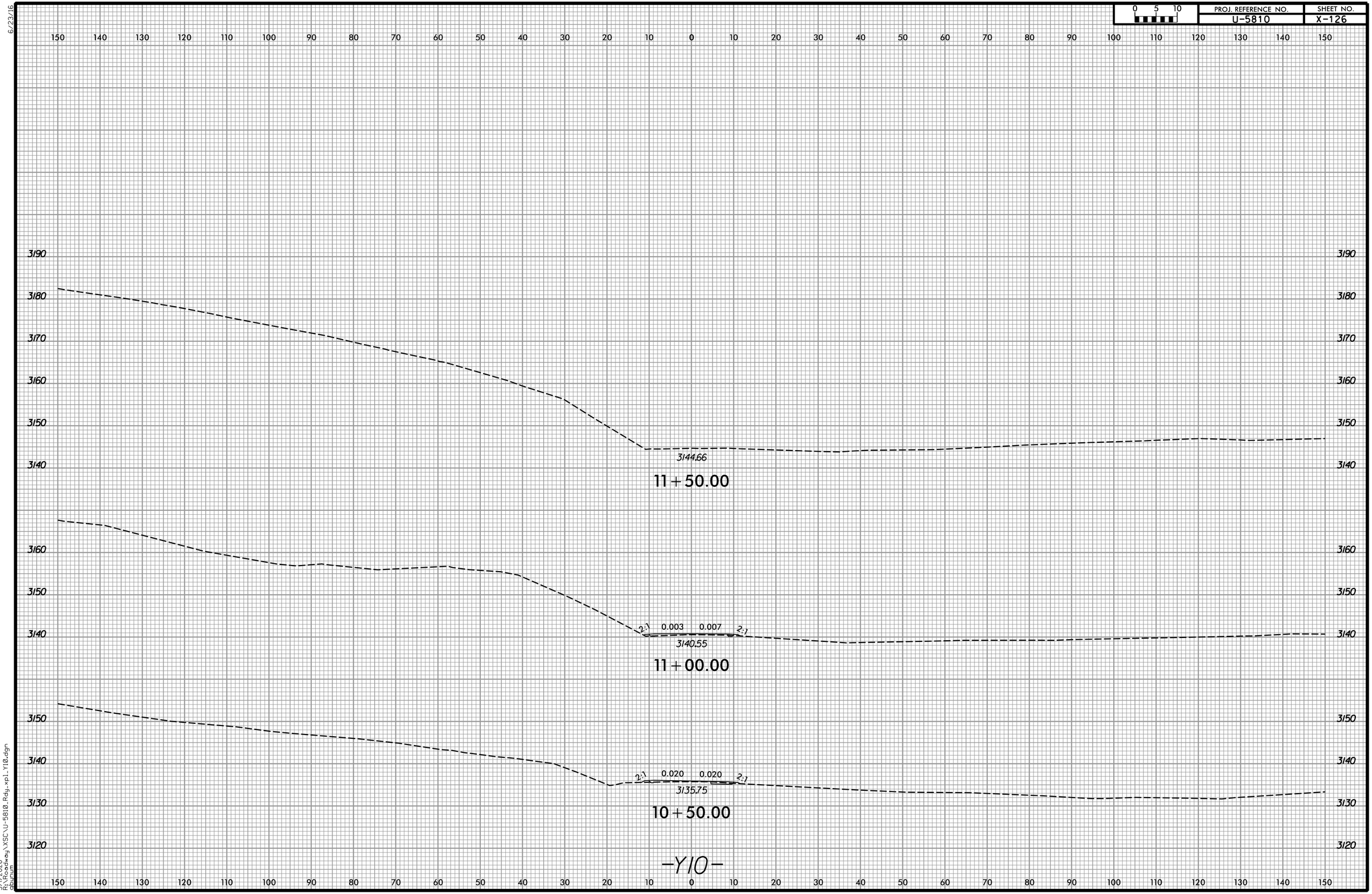
dburum



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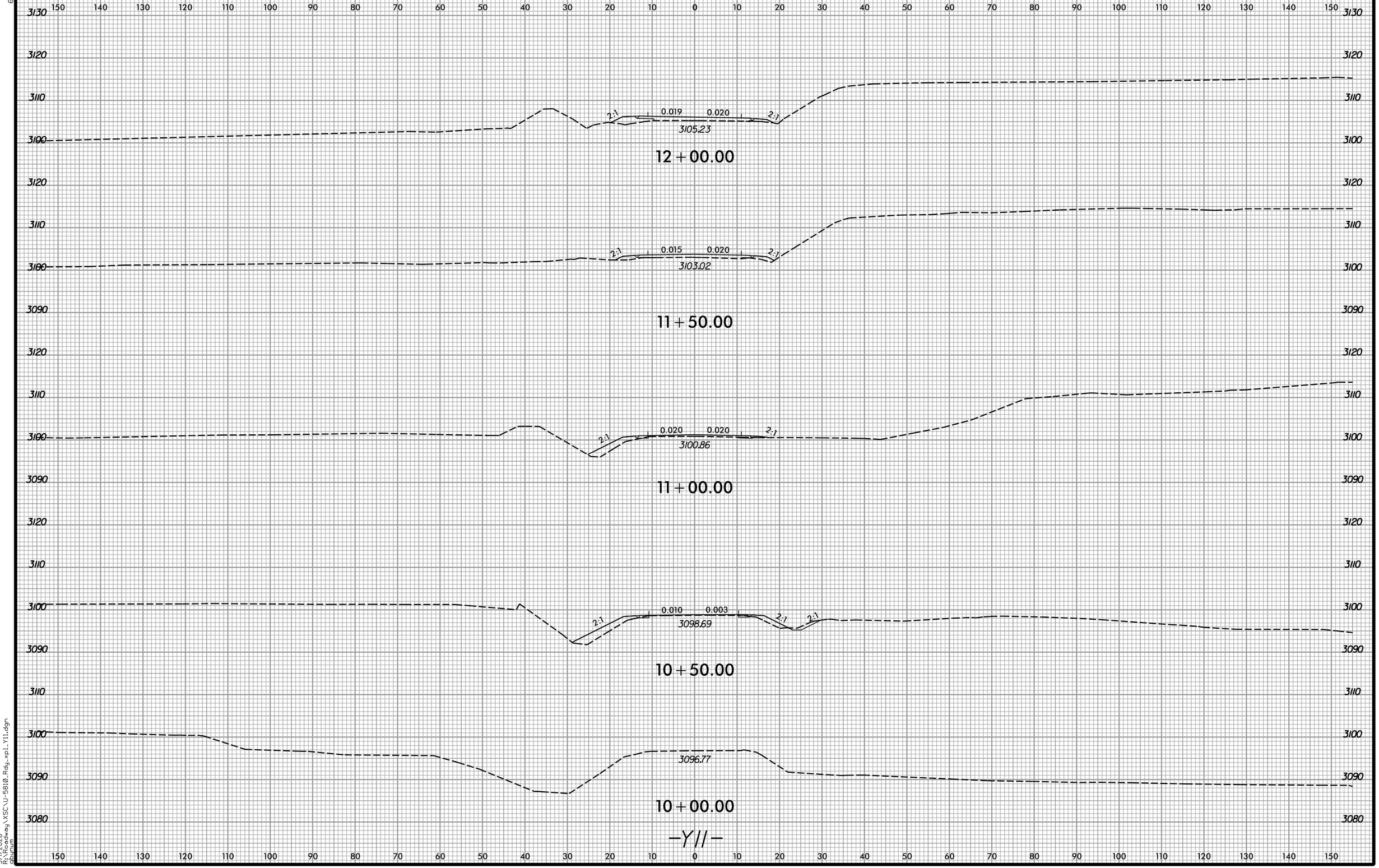
R:\Roadway\XSC\U-5810_Rdy_xpl_Y10.dgn
abynum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-127



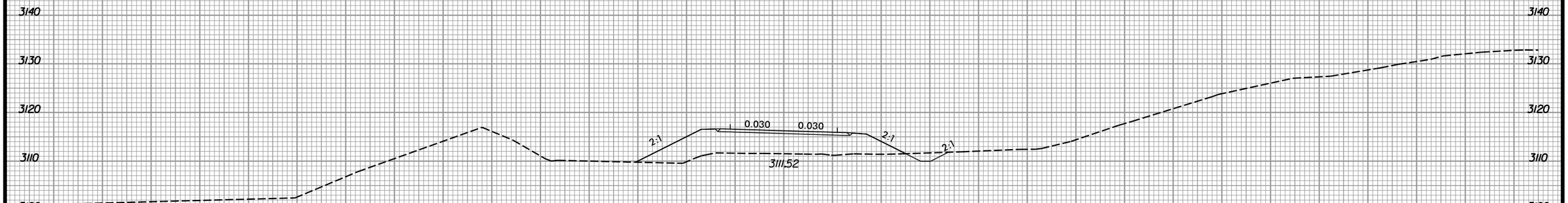
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_Y11.dgn
dbrunn

6/23/16

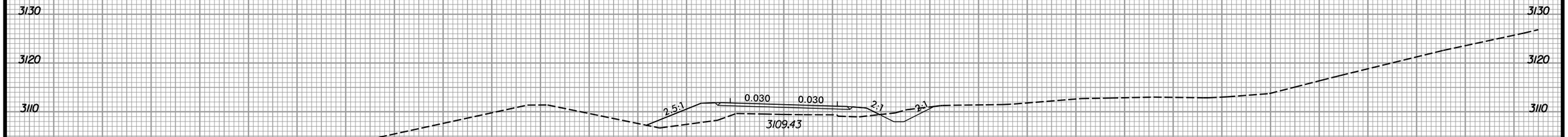
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-128

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

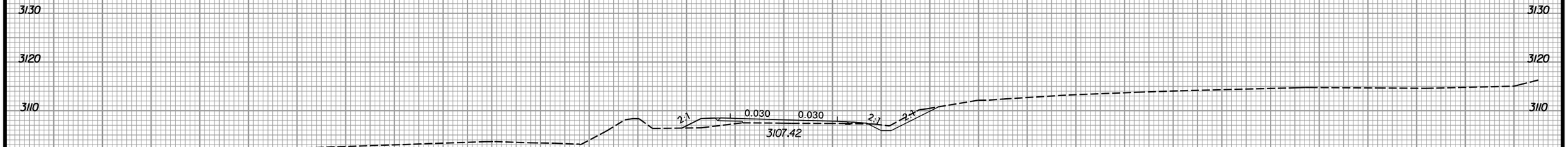
3140
3130
3120
3110
3100
3090



13+50.00



13+00.00



12+50.00

—Y11—

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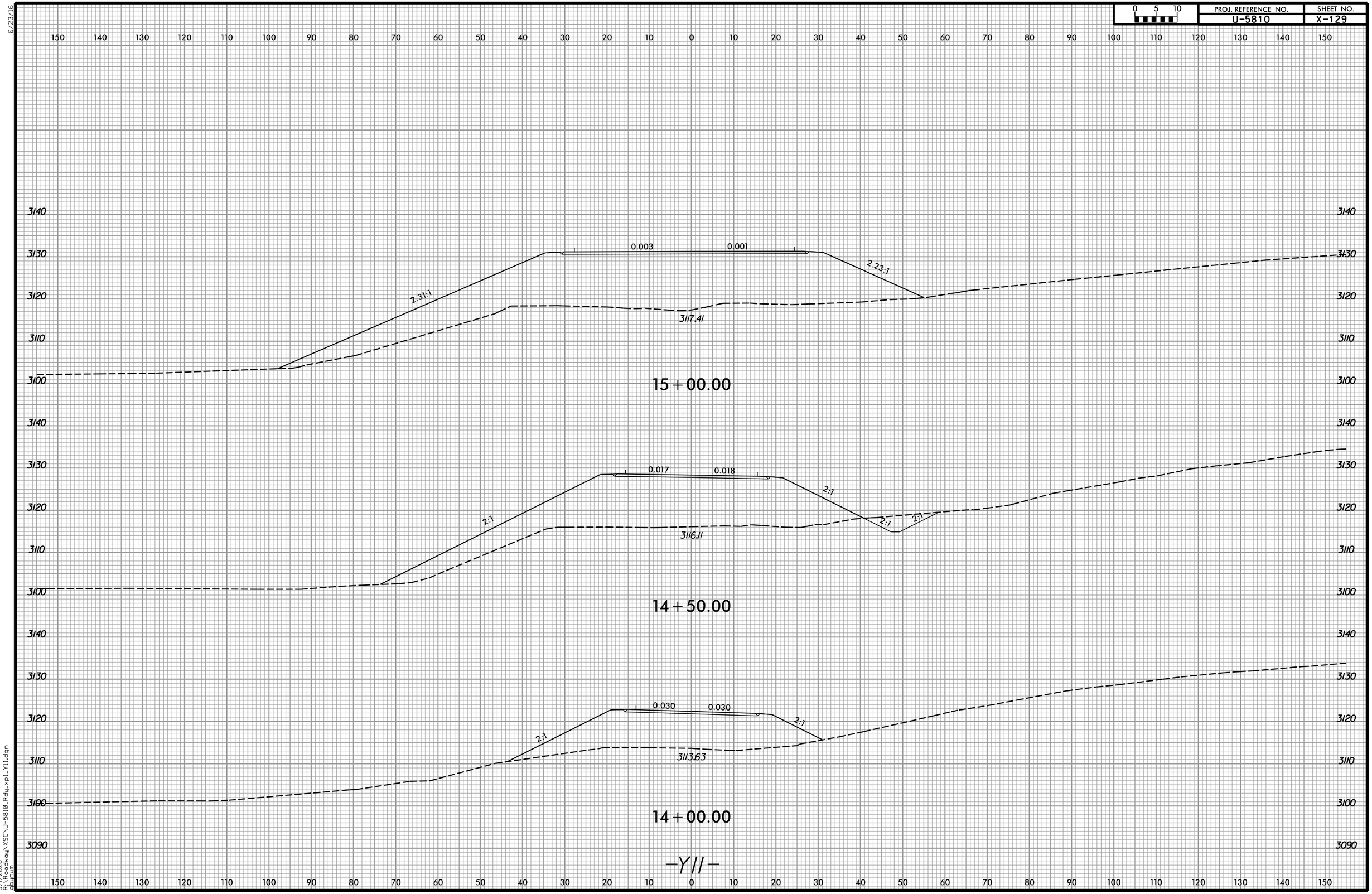
R:\Roadway\XSC\U-5810_Rdy_xpl_Y11.dgn
dburnett



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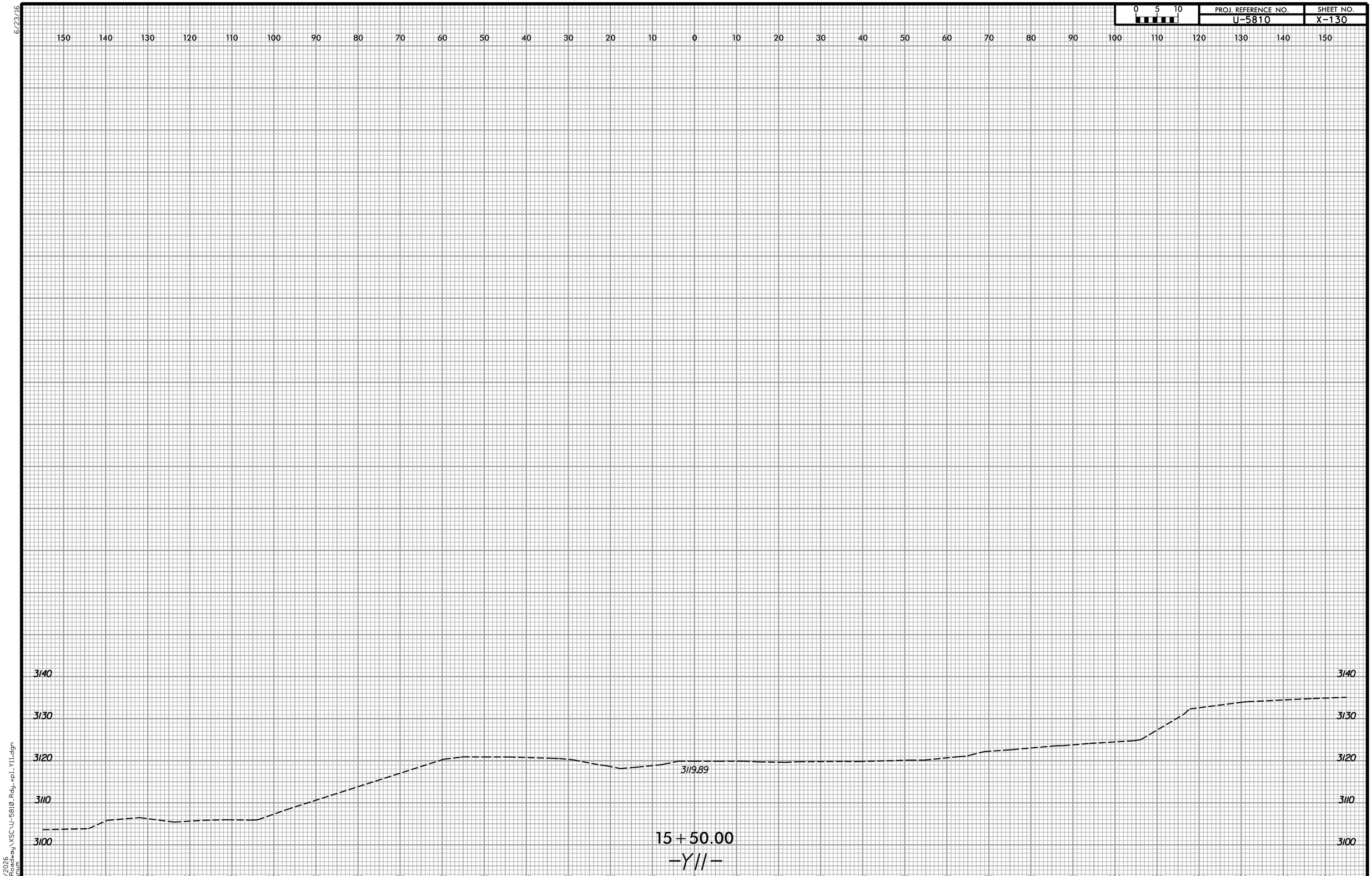
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_Y11.dgn
abyrum



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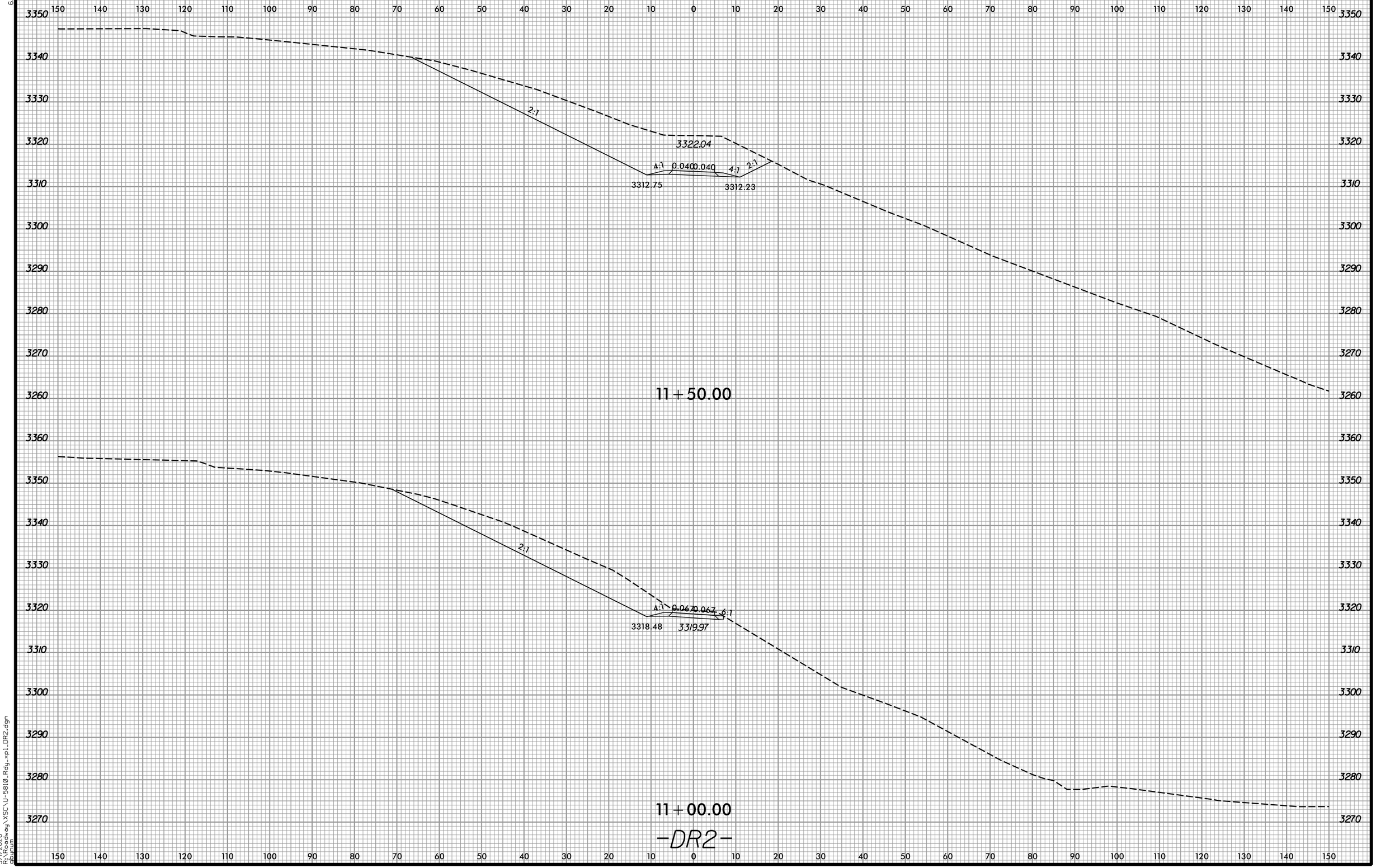
R:\Roadway\XSC\U-5810_Rdy_xpl_Y11.dgn
abynum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-131



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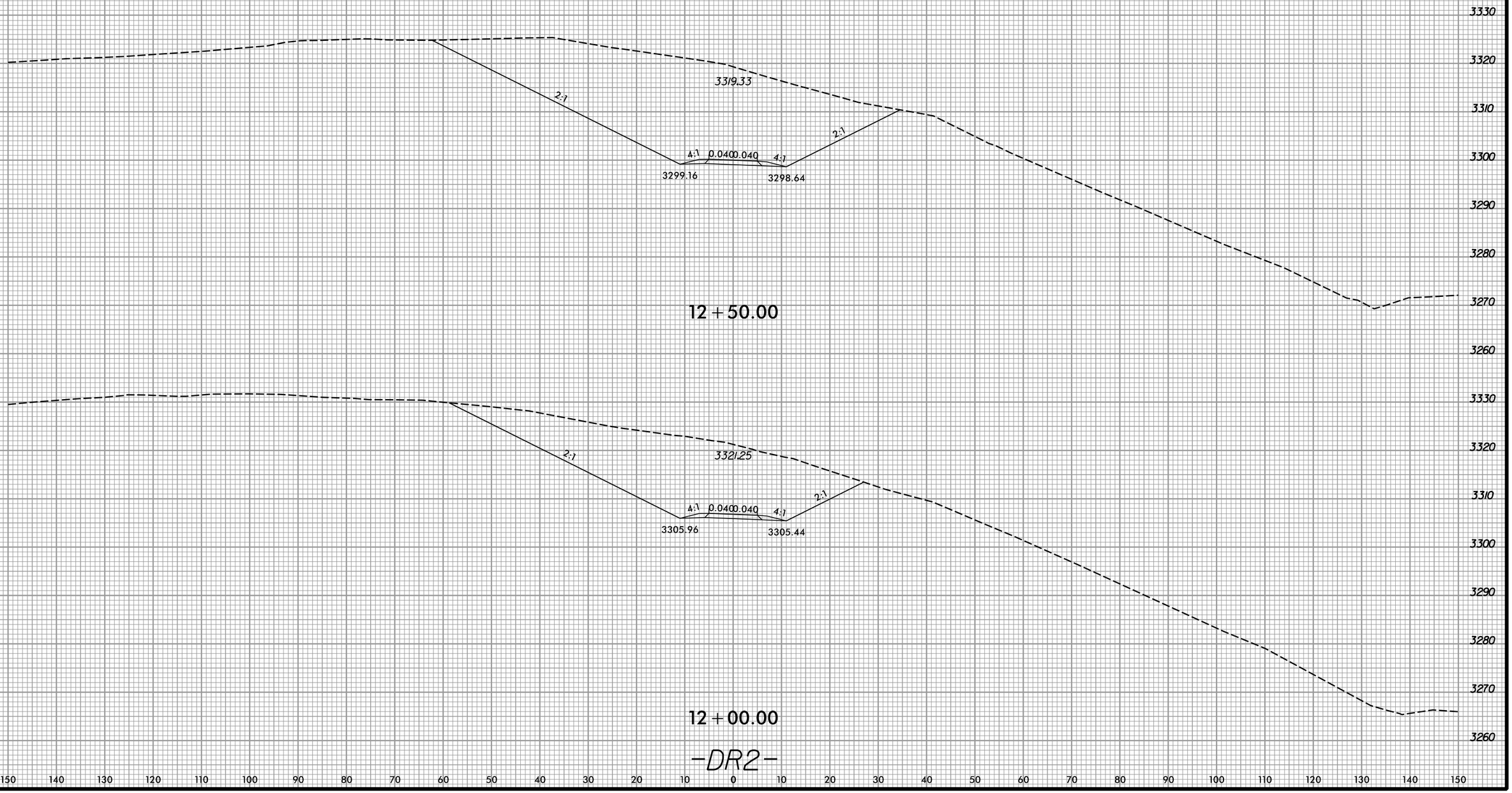
R:\Roadway\XSC\U-5810_Rdy_xp1_DR2.dgn
dbruton

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-132

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

3330
3320
3310
3300
3290
3280
3270
3260



-DR2-

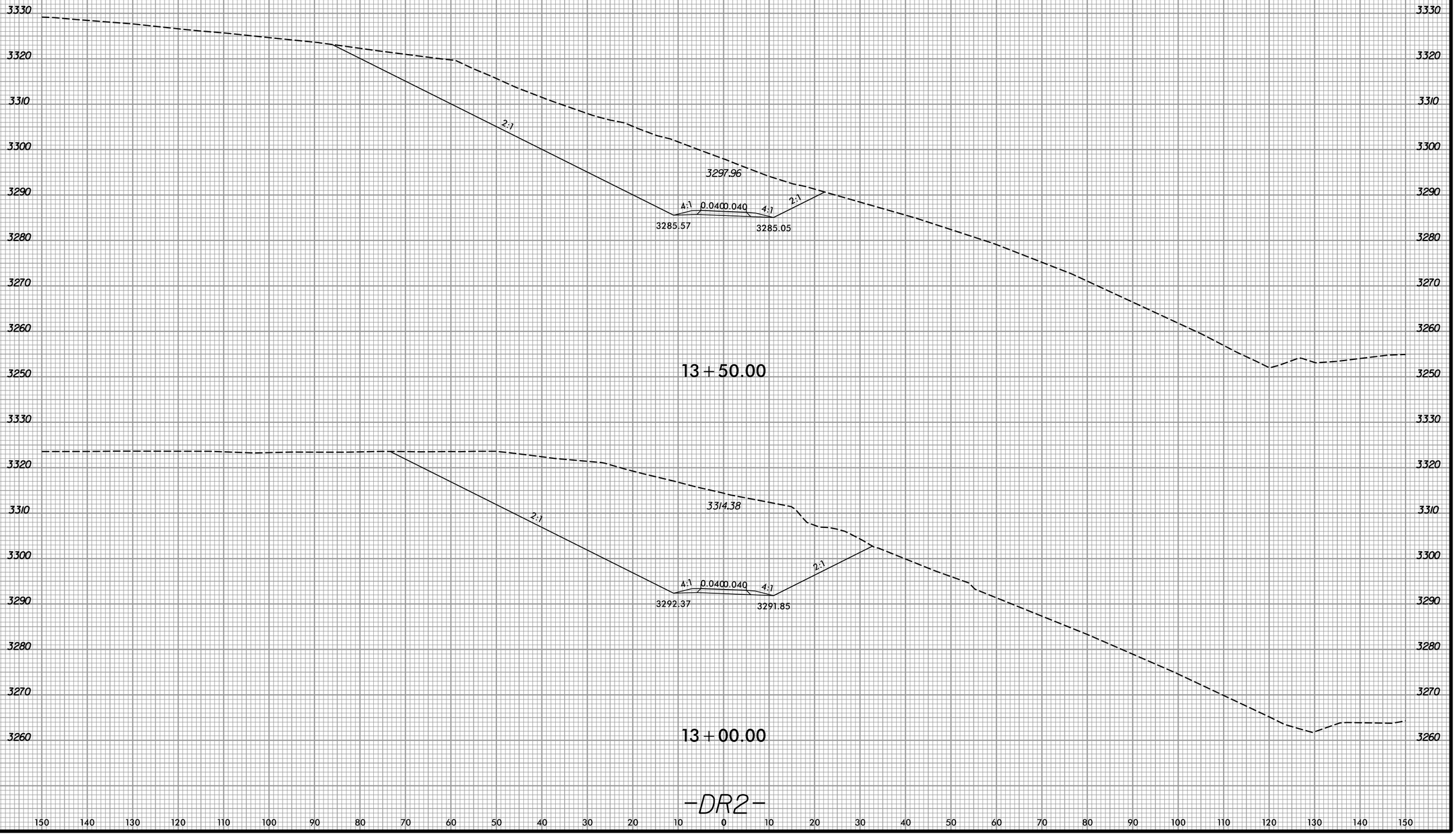
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_DR2.dgn
dbrunen

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-133

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

3330 3320 3310 3300 3290 3280 3270 3260 3250

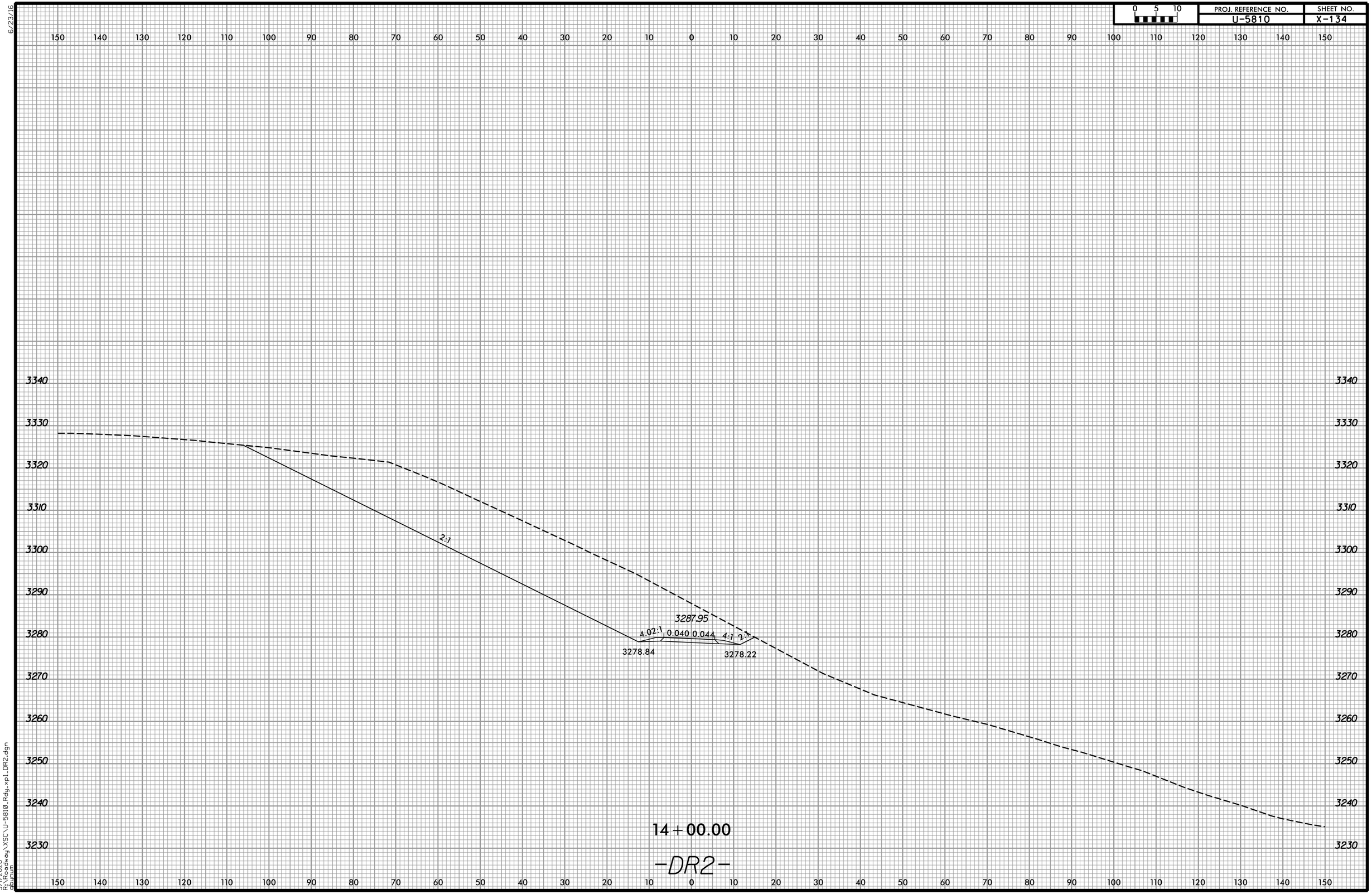


-DR2-

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

3330 3320 3310 3300 3290 3280 3270 3260 3250

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_DR2.dgn
dbrunn



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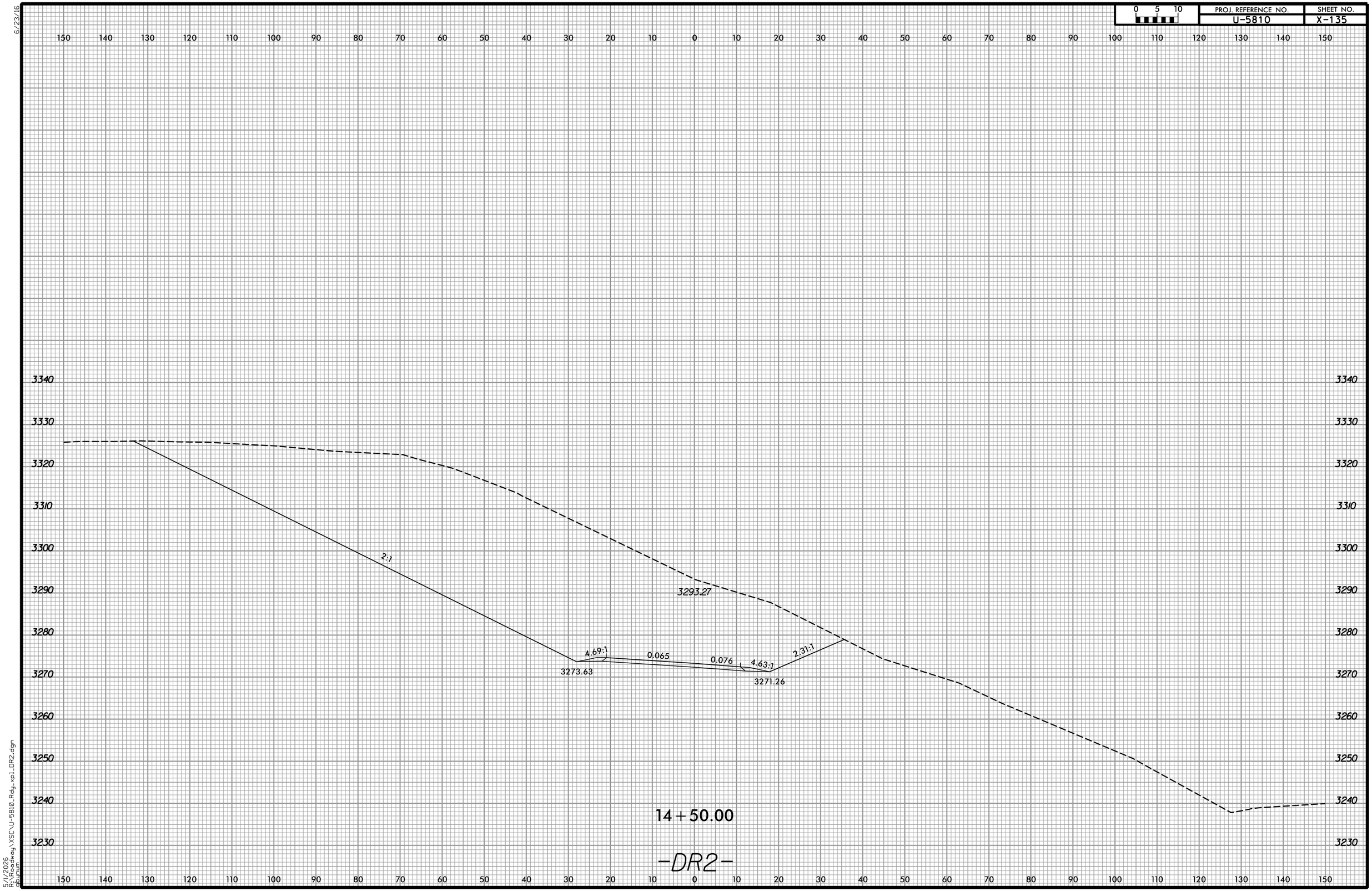
R:\Roadway\XSC\U-5810_Rdy_xpl_DR2.dgn
abyrum



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R:\Roadway\XSC\U-5810_Rdy_xpl_DR2.dgn
abyrum

6/23/16

0 5 10

PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-136

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

3270 3260 3250 3240 3230 3220 3210 3200

4:1 0.017 0.020 4.5:1

3233.18 3233.31

13+00.00

3280 3270 3260 3250 3240 3230 3220 3210 3200

3229.82

12+50.00

-DR3-

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

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_DR3.dgn
gburum

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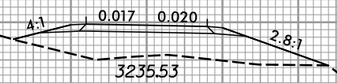
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-137

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

3280 3270 3260 3250 3240 3230 3220 3210 3200 3190



13+50.00

-DR3-

5/1/2026
R:\U-5810\Roadway\XSC\U-5810_Rdy_xpl_DR3.dgn
abruen

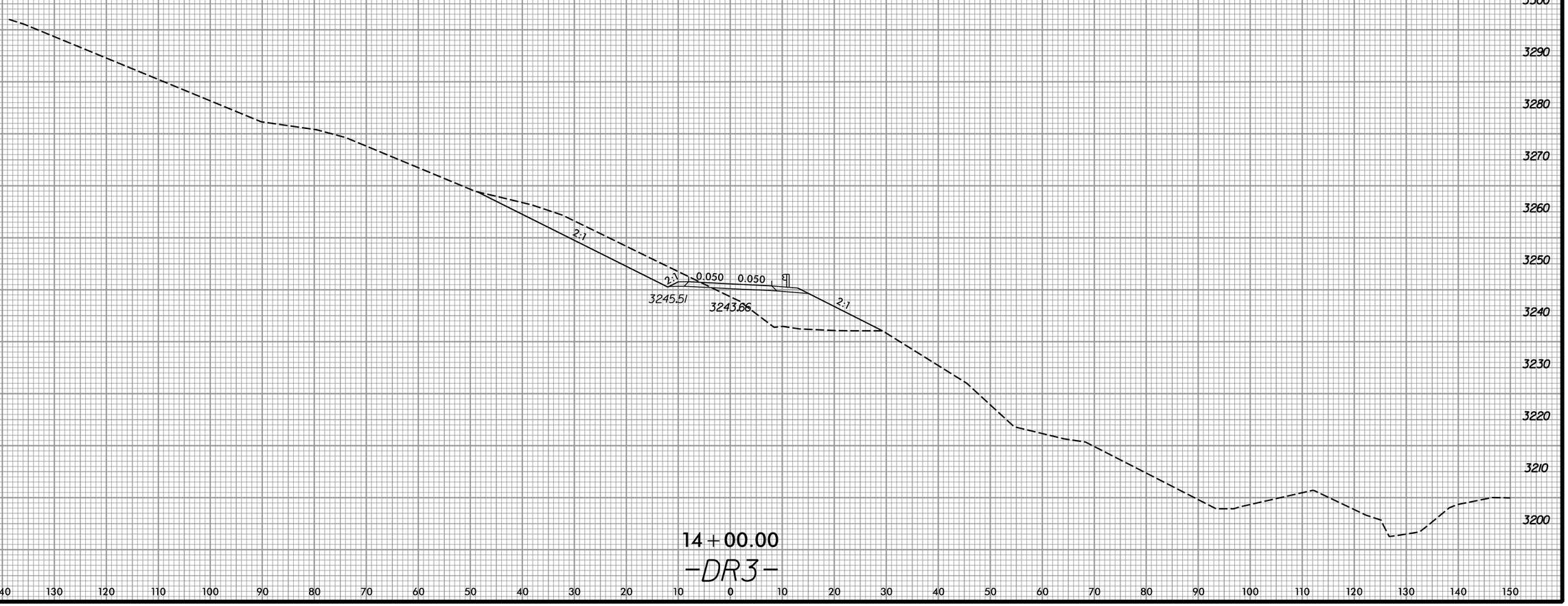
6/23/16

0 5 10

PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-138

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

3300 3290 3280 3270 3260 3250 3240 3230 3220 3210 3200



14+00.00

-DR3-

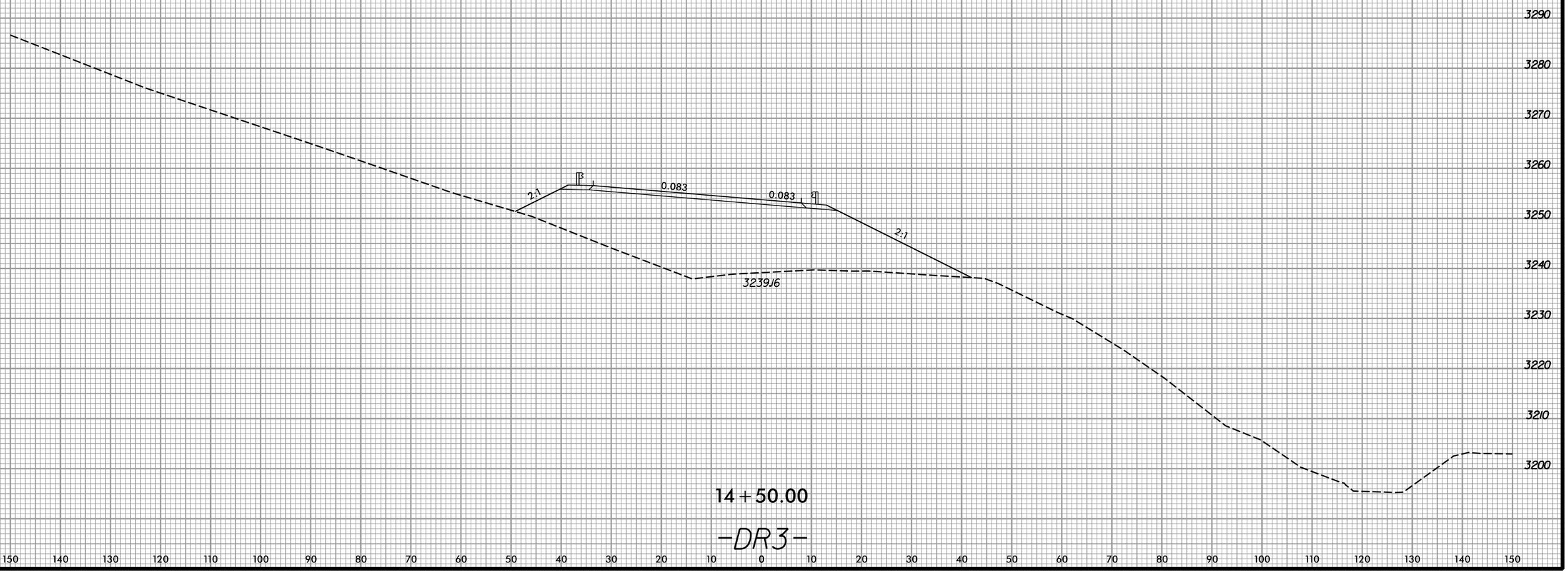
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_DR3.dgn
dbruce

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-139

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

3290 3280 3270 3260 3250 3240 3230 3220 3210 3200



14+50.00

-DR3-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_DR3.dgn
dbrunet

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-140

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

3240 3230 3220 3210 3200 3190 3180 3170 3160 3150 3140

4:1 0.077 0.077 2:1

3168.23

10+50.00

3154.08

10+00.00

-DR4-

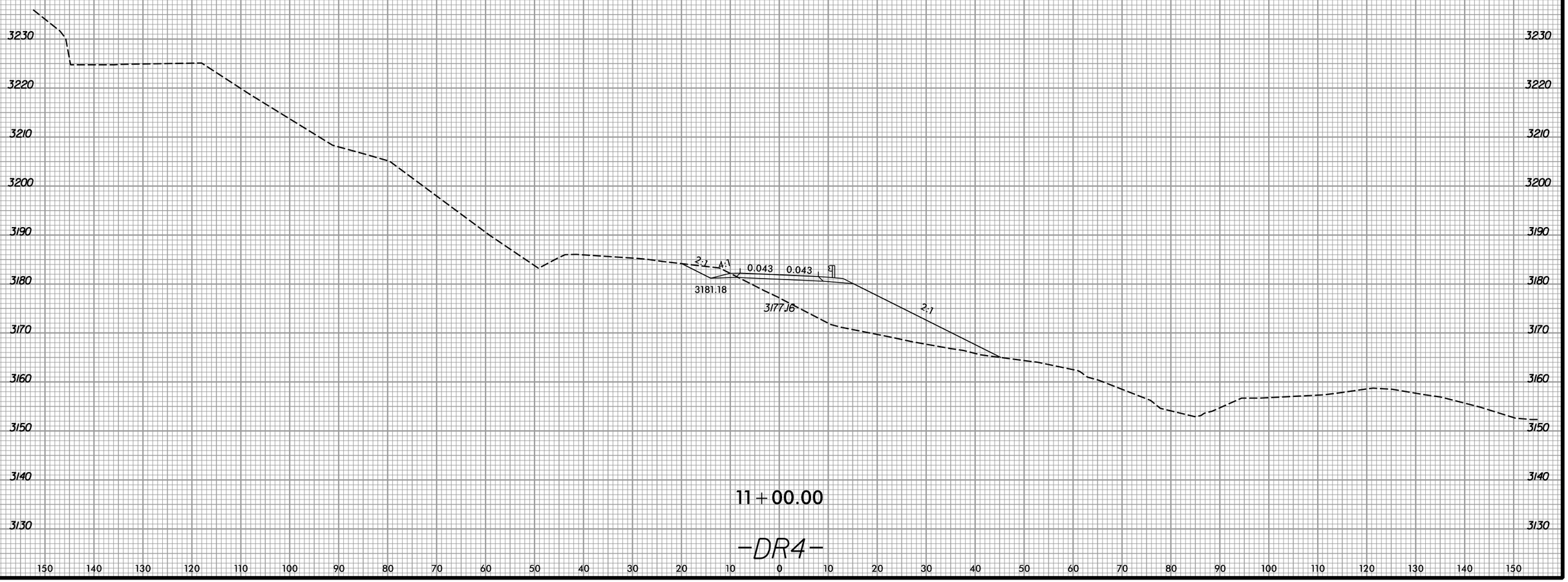
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_DR4.dgn
dbrunen

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-141

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

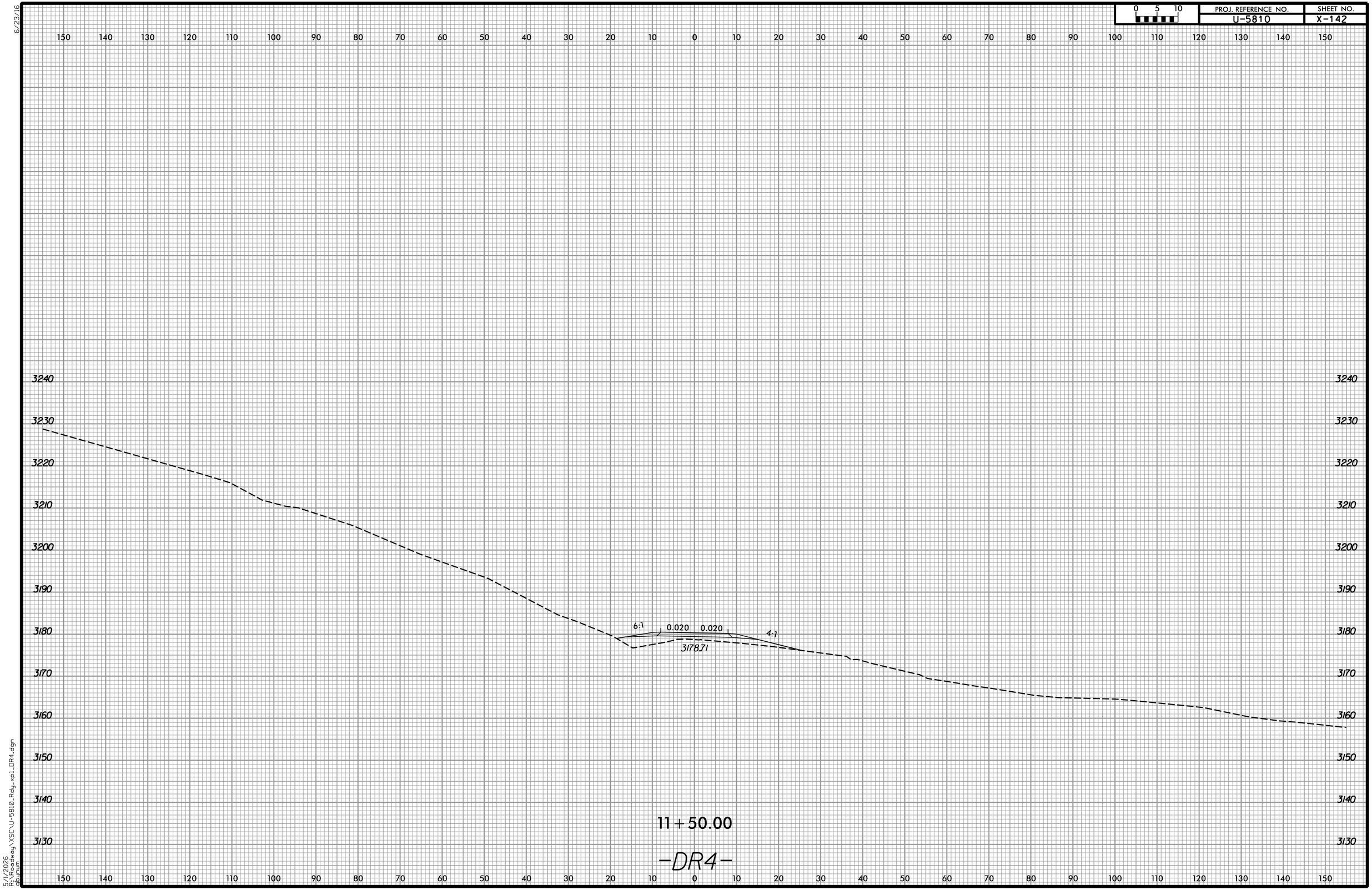
3240
3230
3220
3210
3200
3190
3180
3170
3160
3150
3140
3130



11+00.00

-DR4-

5/1/2026
R:\Projects\Highway\XSC\U-5810_Rdy_xp1_DR4.dgn
dbunton



6/23/16

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_DR4.dgn
abyrum

6/23/16

PROJ. REFERENCE NO.	SHEET NO.
U-5810	X-143

0 5 10

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

3240
3230
3220
3210
3200
3190
3180
3170
3160
3150
3140
3130

2:1
0.027
0.027
3:1
3180.91
3181.47

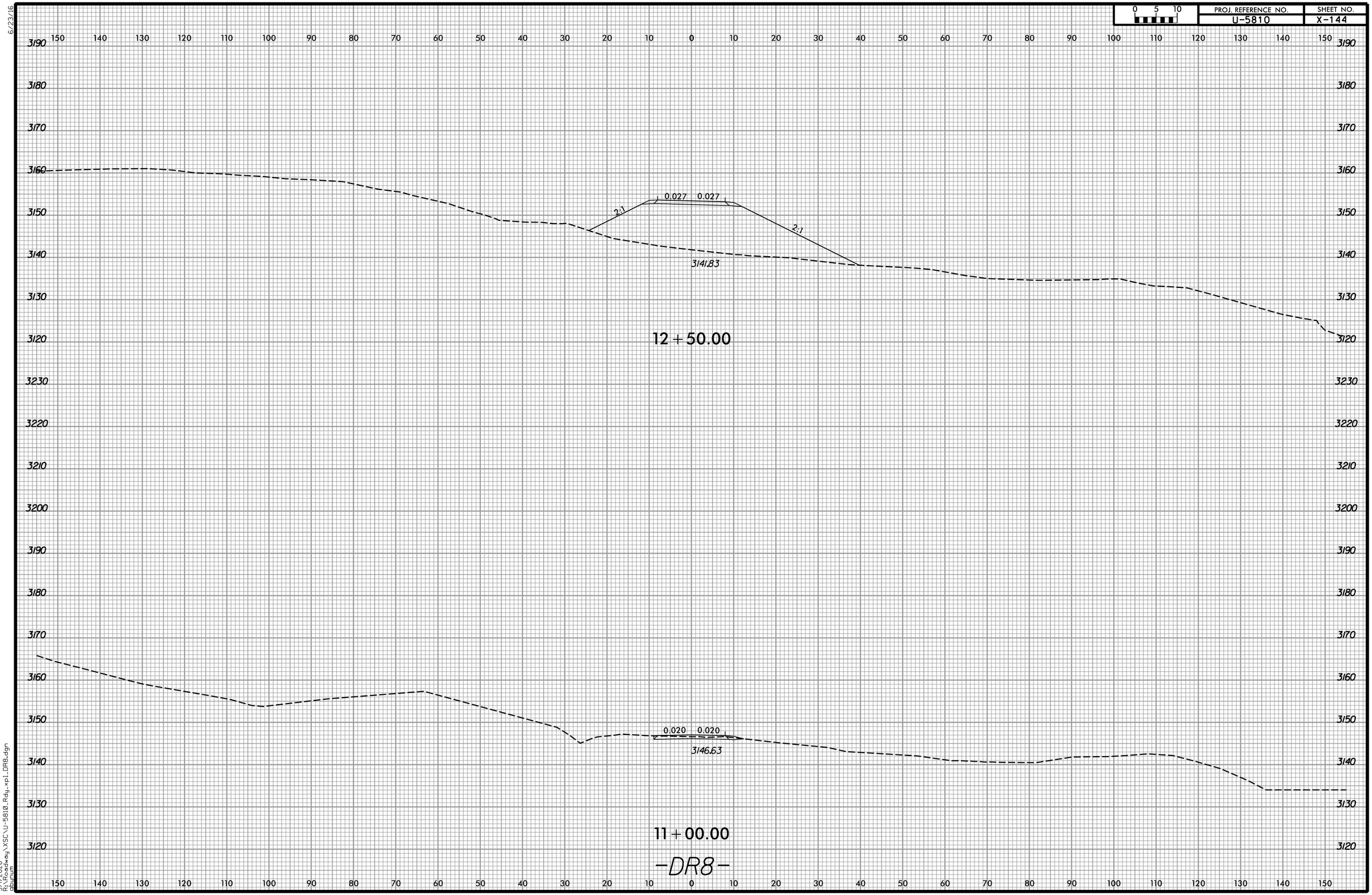
12+00.00

-DR4-

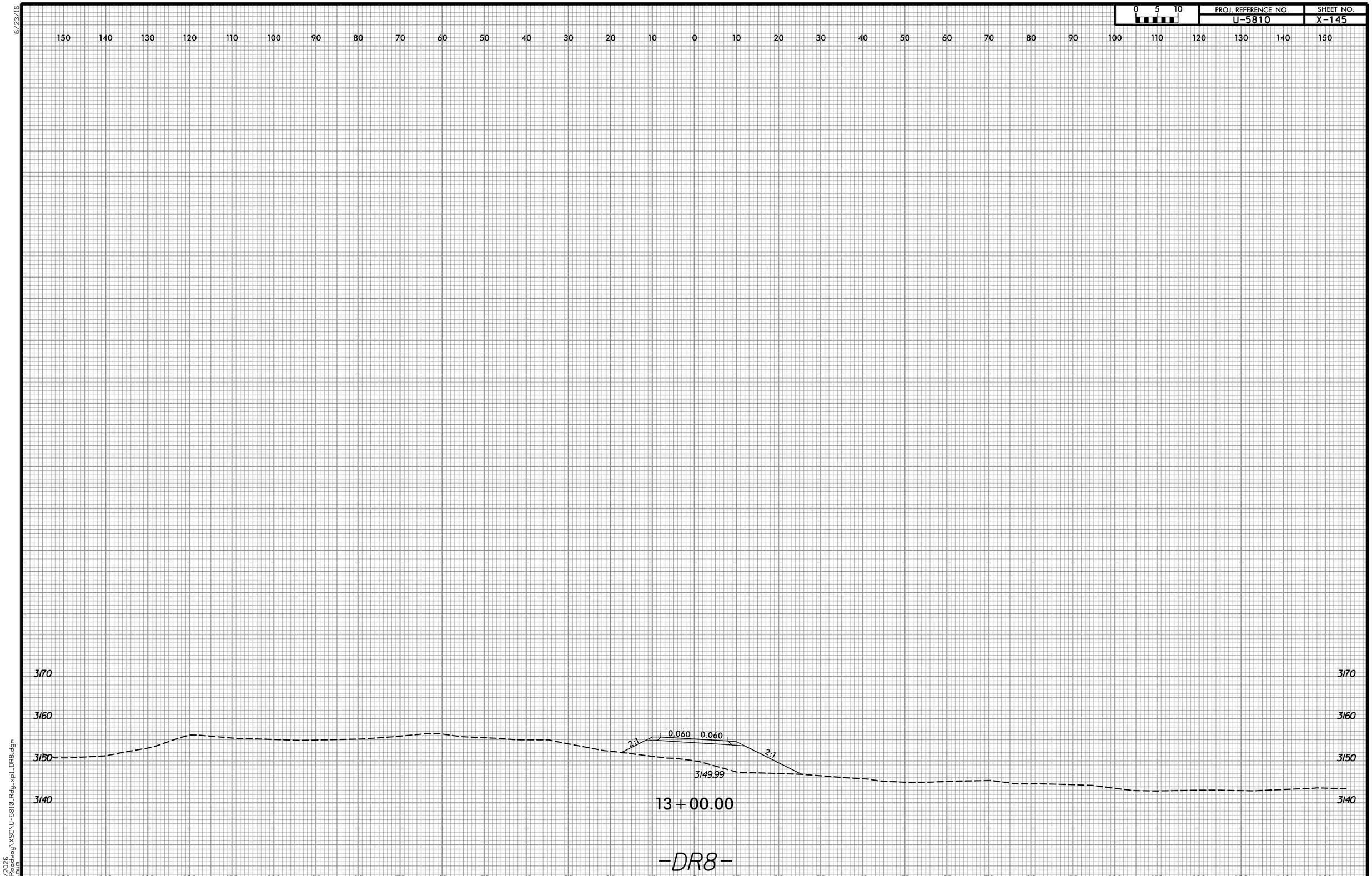
5/12/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_DR4.dgn
dbrunell

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-144

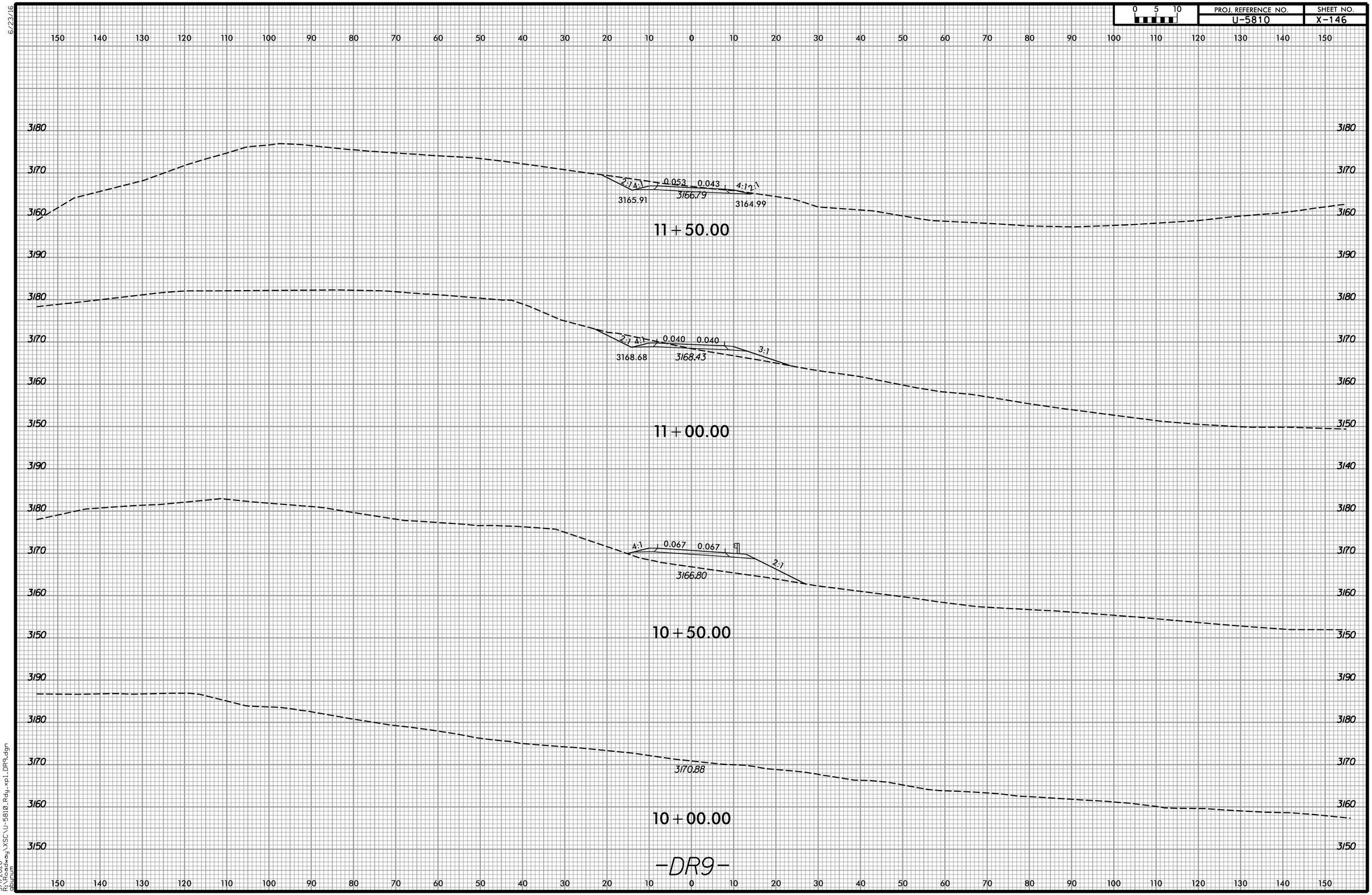


5/1/2026
R:\Projects\Highway\XSC\U-5810_Rdy_xp1_DR8.dgn
dbunum



6/23/16

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_DR8.dgn
abynum



6/23/16

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_DR9.dgn
abunum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-147

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

3170
3160
3150

3161.79

12+00.00

-DR9-

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

3170
3160
3150

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_DR9.dgn
abruen

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-148

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

3160
3150
3140
3130
3120

0.020 0.020
4:1 2:1 4:1
3137.17 3137.69

11+00.00

3160
3150
3140
3130

4:1 0.020 0.020 6:1
3141.41

10+50.00

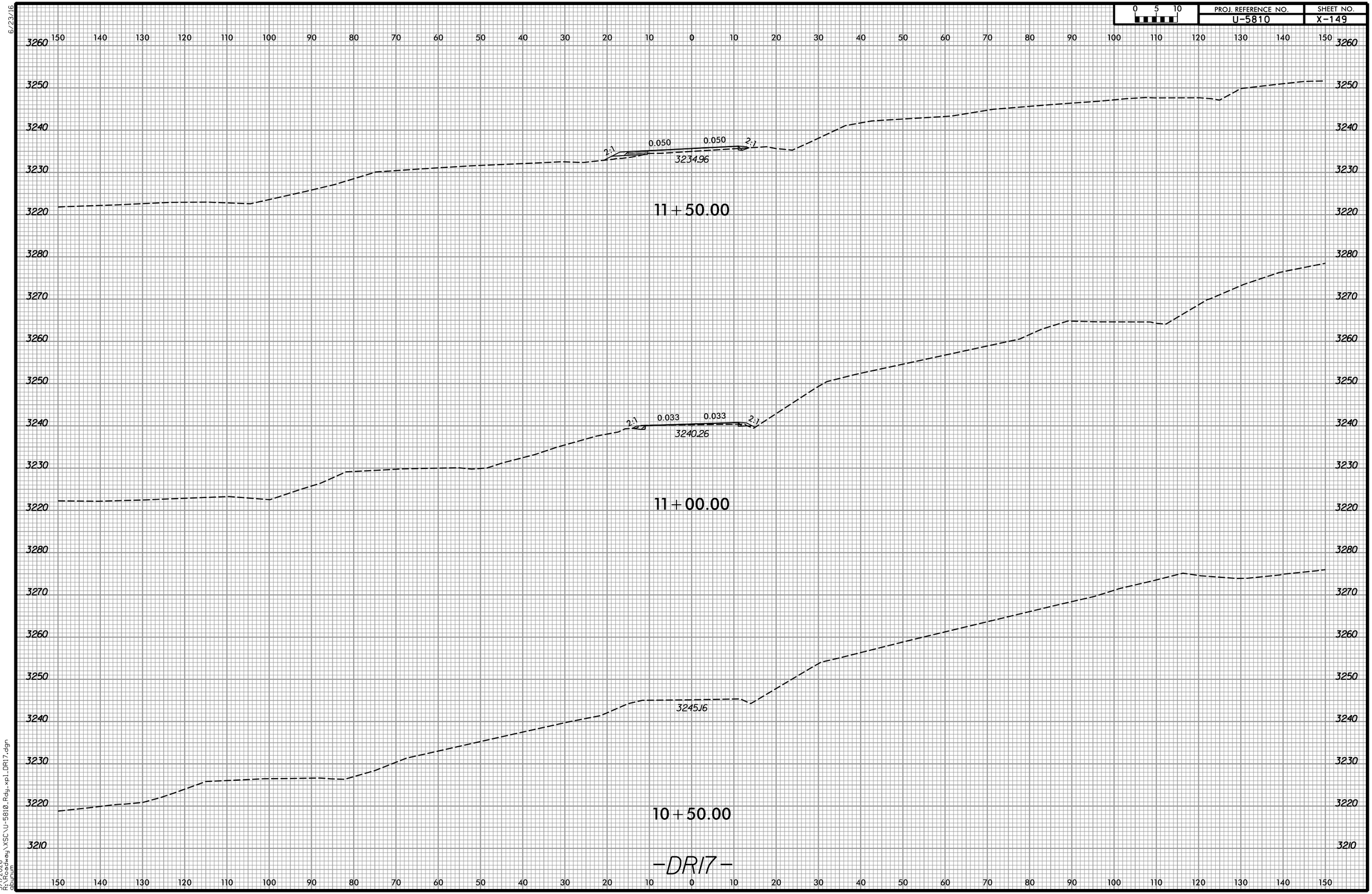
-DRI6-

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

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_dr16.dgn
abruen

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-149



5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_DRI7.dgn
abunum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-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

3230
3220
3210
3200
3190

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

3214.30 3215.91 3214.62

11+00.00

3230
3220
3210
3200
3190

2:1 4:1 3215.46 0.040 0.040 4:1 2:1

3207.65 3208.17

10+50.00

3220
3210
3200
3190

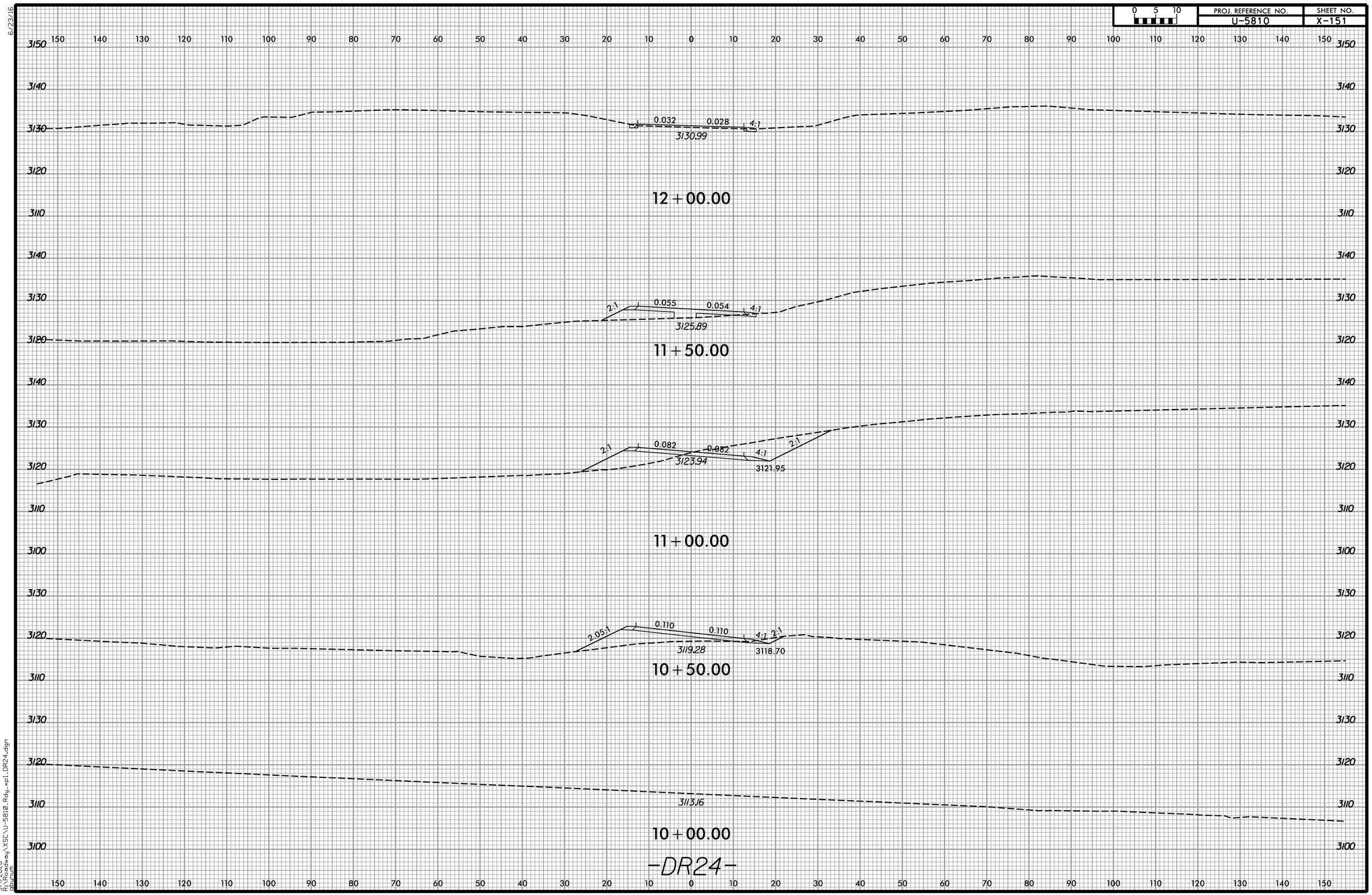
3207.39

10+00.00

-DR18-

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

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_DR18.dgn
dburnum



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R:\Roadway\XSC\U-5810_Rdy_xpl_DR24.dgn
abyrum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-152

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

3140
3130
3120
3110
3100
3090

3132.19

11+00.00

3140
3130
3120
3110
3100
3090

2:1 4:1 0.104 0.104 4:1 2:1

3130.69 3132.30 3129.25

10+50.00

3140
3130
3120
3110
3100
3090

3128.54

10+00.00

-DR25-

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

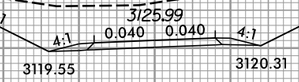
5/1/2026
K:\Projects\Roadway\XSC\U-5810_Rdy_xp1_DR25.dgn
abrunell

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-154

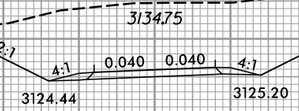
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

3150
3140
3130
3120
3110
3200
3190
3180



13+00.00

3180
3170
3160
3150
3140
3130
3120
3110
3100
3090



12+50.00

-DR101_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

5/1/2026
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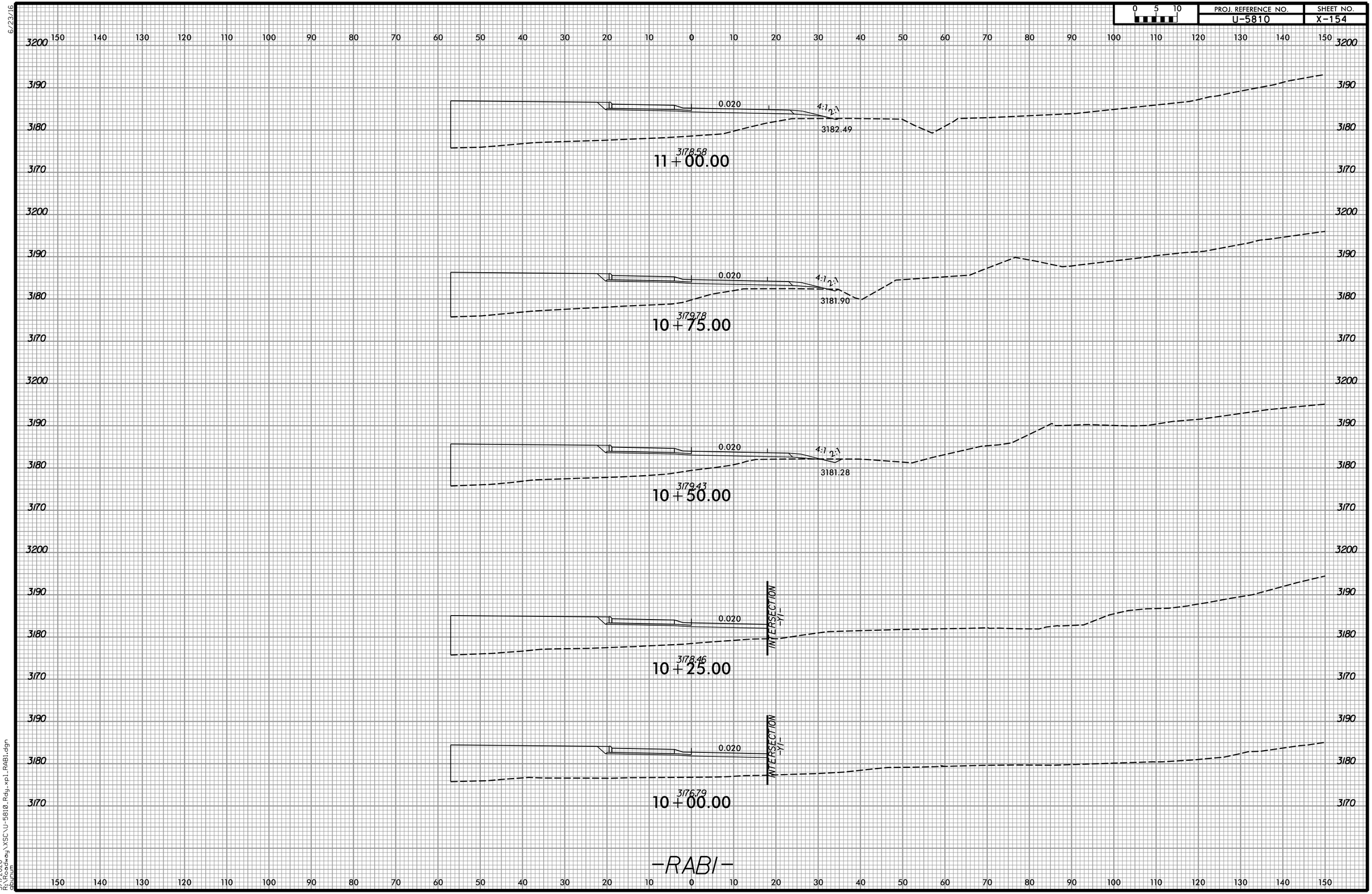
gburgun



6/23/16

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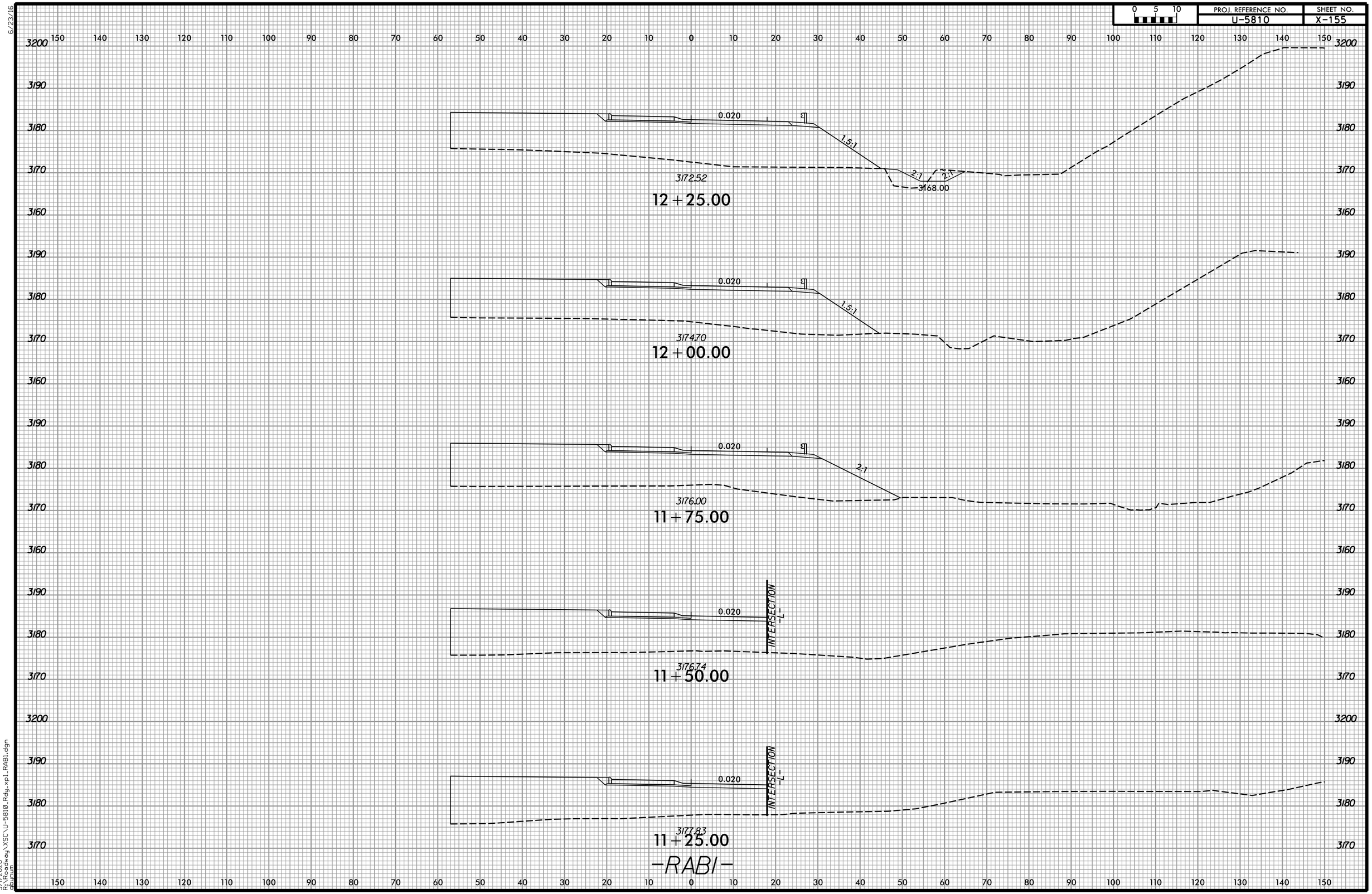
R:\Roadway\XSC\U-5810_Rdy_xpl_RAB1.dgn
abyrum

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-155



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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-156

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

3200 3190 3180 3170 3160

0.020 0.020 ℄ 2.04:1

3174.90

13+25.00

3190 3180 3170 3160

0.020 INTERSECTION -Y1-

3173.67

13+00.00

3150 3190 3180 3170 3200

0.020 INTERSECTION -Y1-

3172.75

12+75.00

3190 3180 3170 3160

0.020 ℄ 1.5:1

3172.05

12+50.00

-RABI-

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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R:\Roadway\XSC\U-5810_Rdy_xp1_RAB1.dgn
dbuhum

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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-157

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

3200
3190
3180
3170

0.020

INTERSECTION
-Y1-

3176.44
13+50.00

-RABI-

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

5/1/2026
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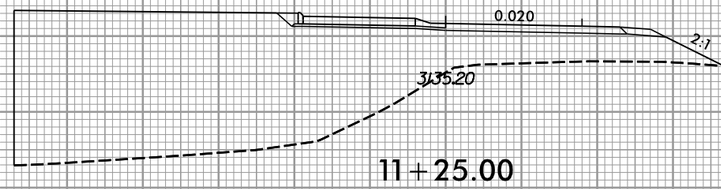
abruen

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-158

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

3170
3160
3150
3140
3130
3120



11+25.00

11+00.00

10+25.00

-RAB2-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_RAB2.dgn
dbruton

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-159

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

3160 3150 3140 3130 3120 3110

0.020

INTERSECTION -L2-

3129.91

12+25.00

3110 3150 3140 3130 3120

0.020

INTERSECTION -L2-

3128.75

11+75.00

3160 3150 3140 3130 3120

0.020

2:1 2:1 2:1

3133.96

3135.00

11+50.00

-RAB2-

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

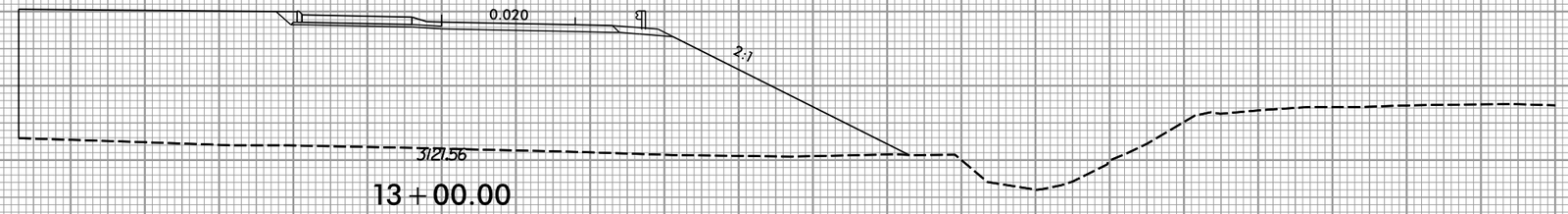
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_RAB2.dgn
dburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-160

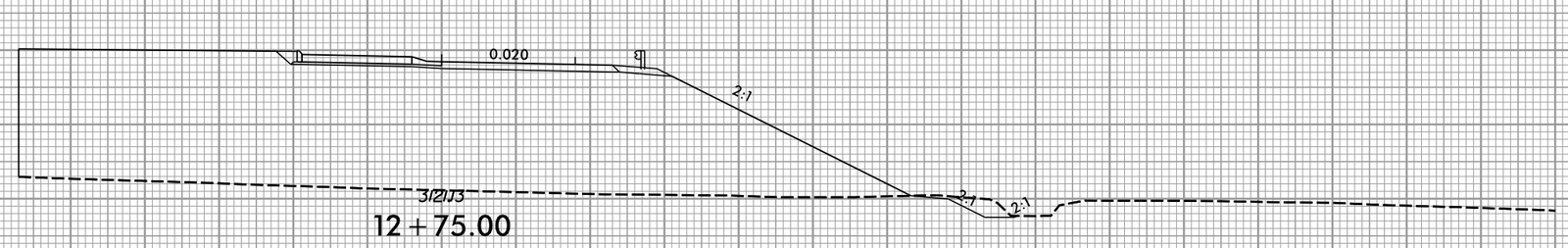
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

3170 3160 3150 3140 3130 3120 3110



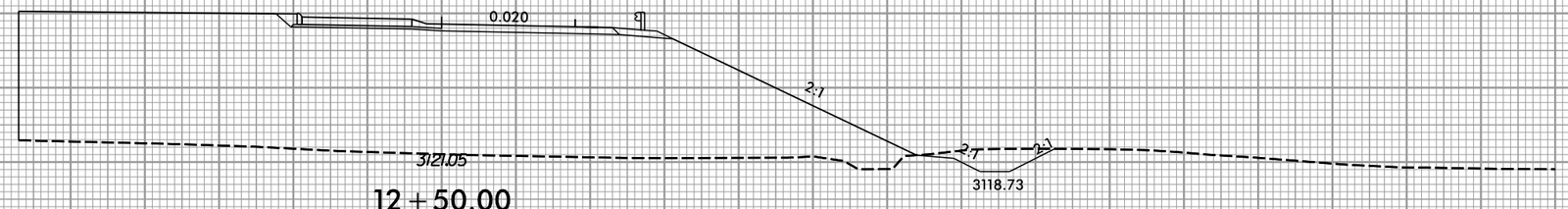
13+00.00

3160 3150 3140 3130 3120 3110



12+75.00

3160 3150 3140 3130 3120 3110

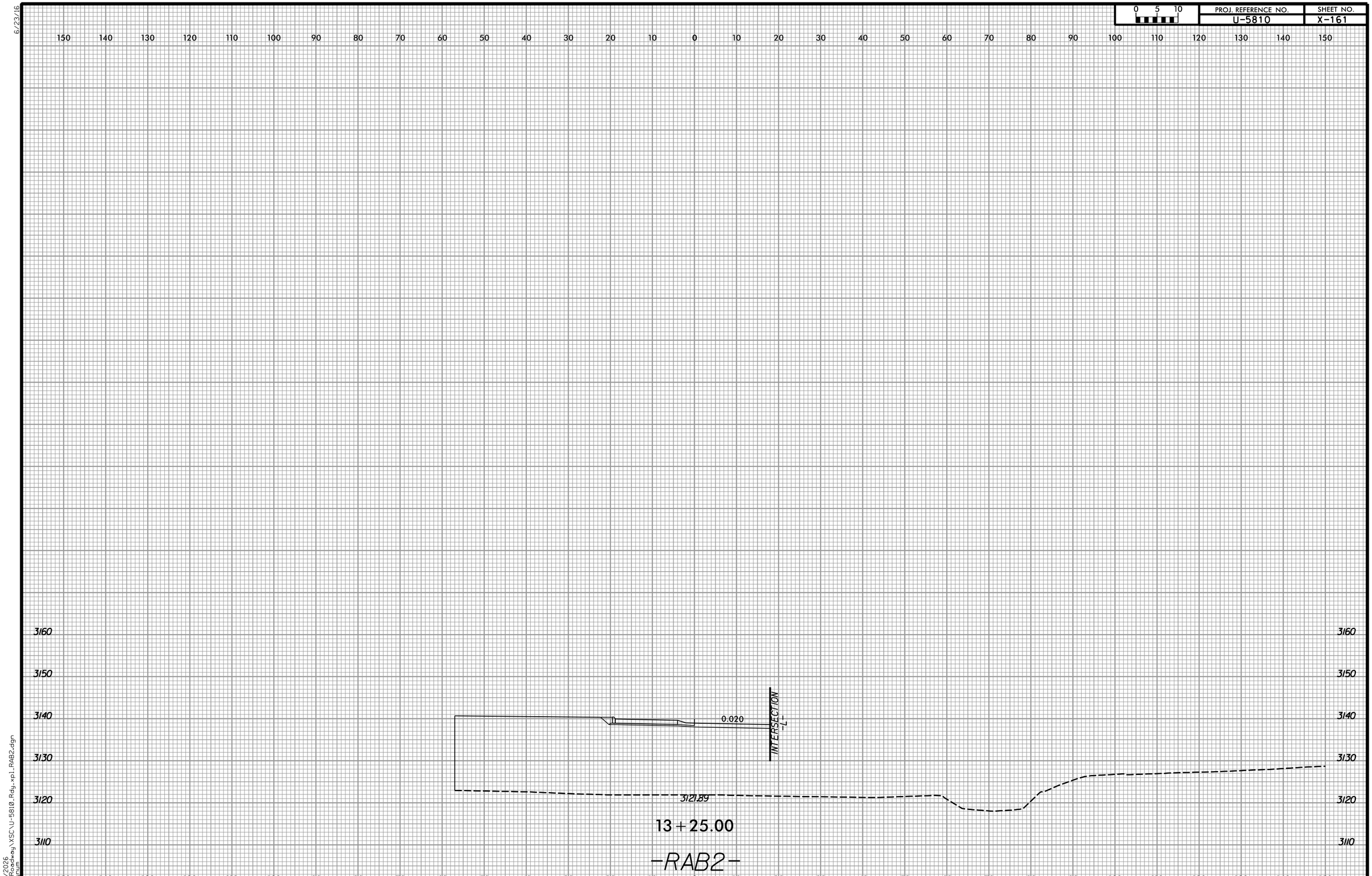


12+50.00

-RAB2-

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

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_RAB2.dgn
gburum



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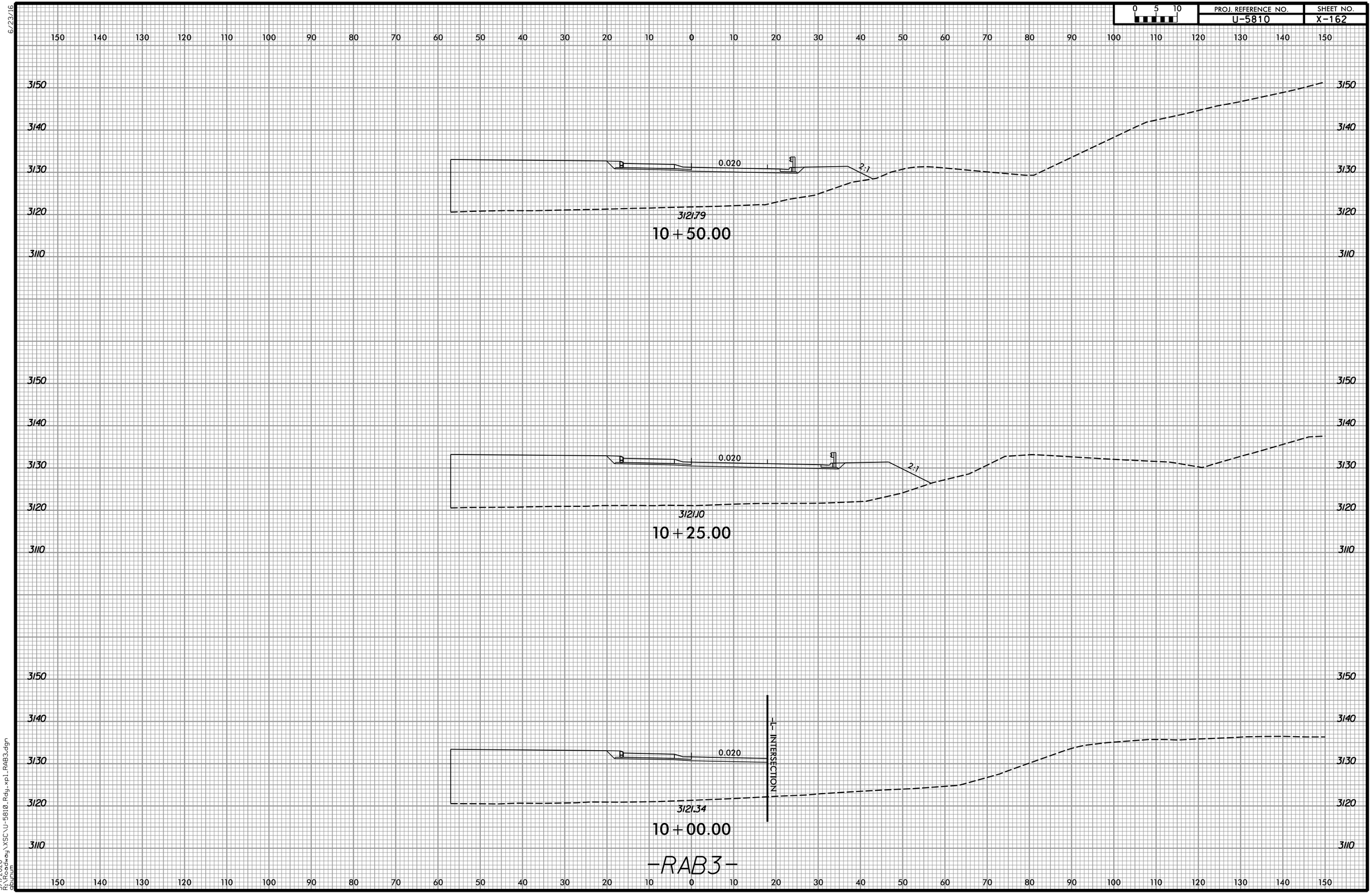
R:\Roadway\XSC\U-5810_Rdy_xpl_RAB2.dgn
abyrum



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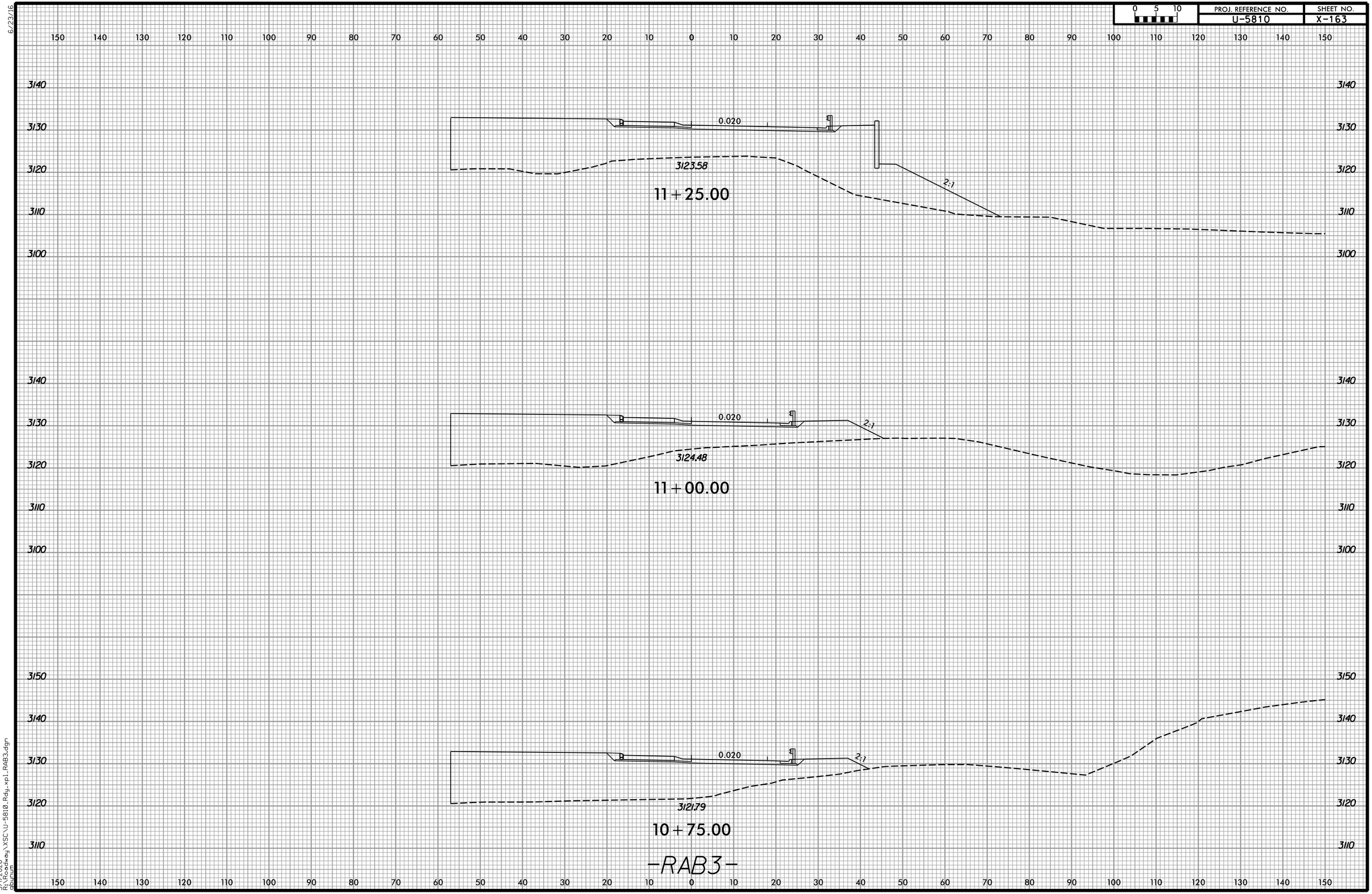
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_RAB3.dgn
abynum



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abynum

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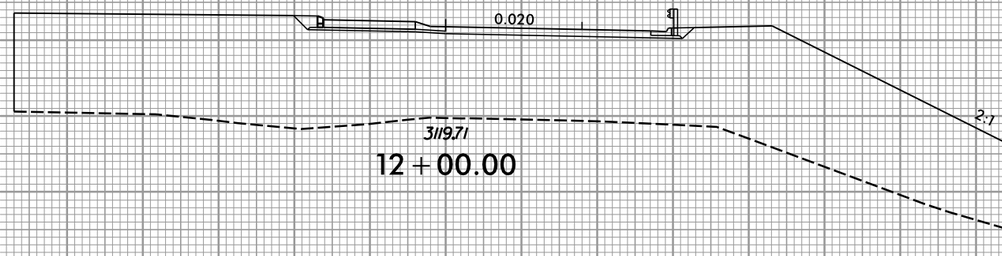
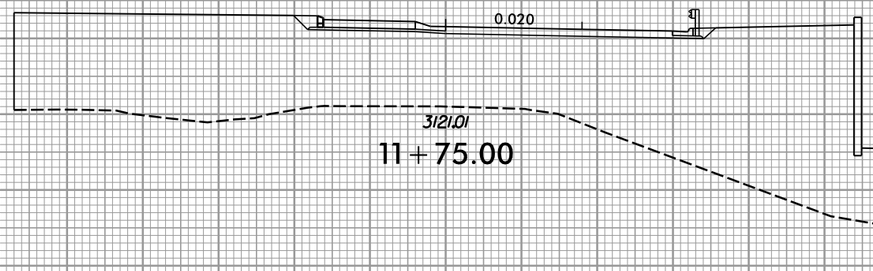
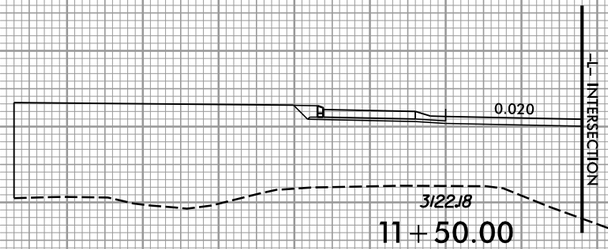
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-164

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

3140
3130
3120
3110
3100

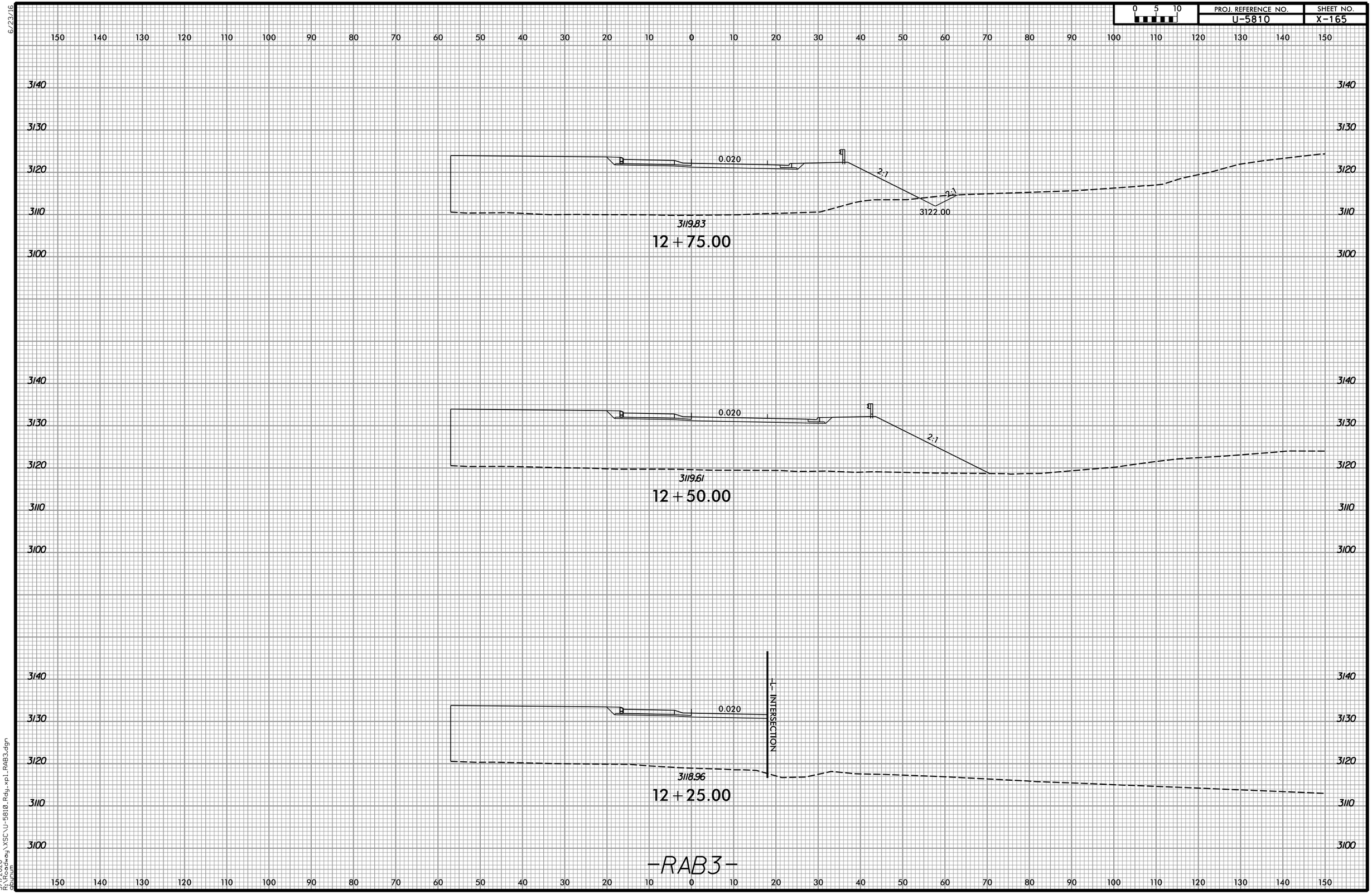






-RAB3-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_RAB3.dgn
gburum



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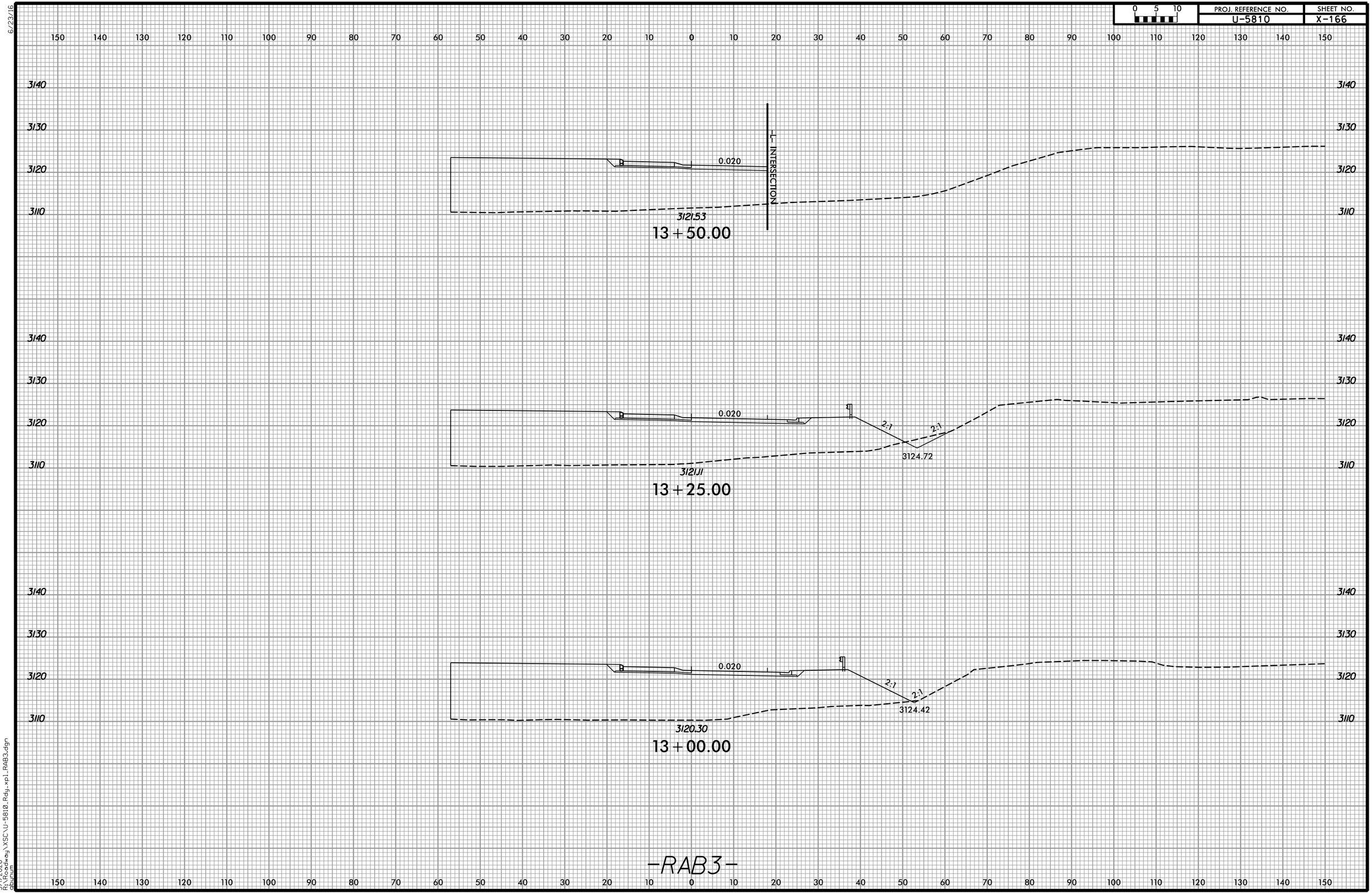
R:\Roadway\XSC\U-5810_Rdy_xpl_RAB3.dgn
abunum



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5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_RAB3.dgn
abunum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-167

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

3290 3280 3270 3260 3250 3240

0.020 0.028

2:1 2:1 2:1

3260.07

3250.49

12+50.00

0.030 0.034

2:1 2:1 2:1

3258.87

3245.49

12+00.00

3257.54

11+50.00

-DET-

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

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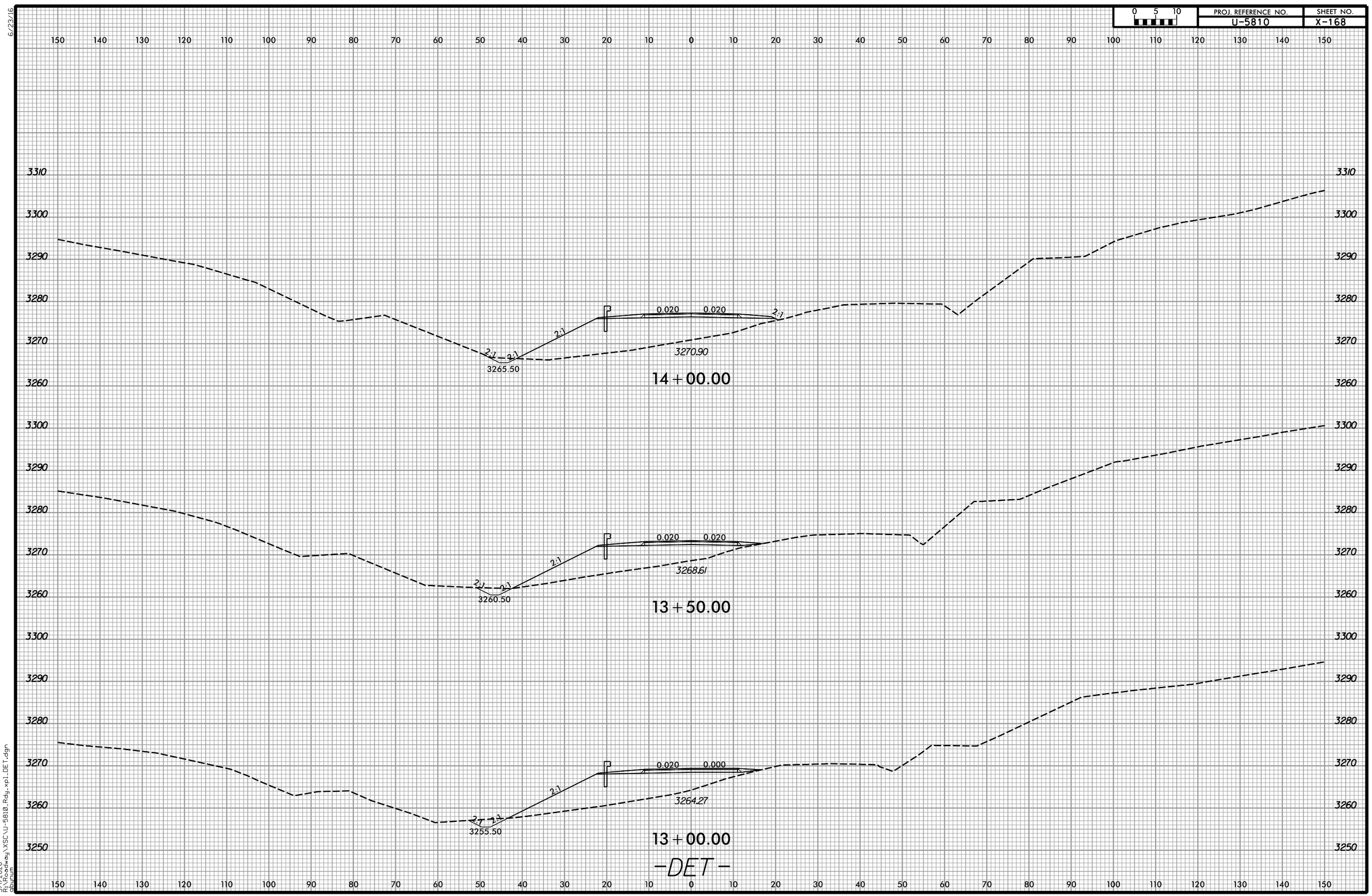
dbrunell

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-168



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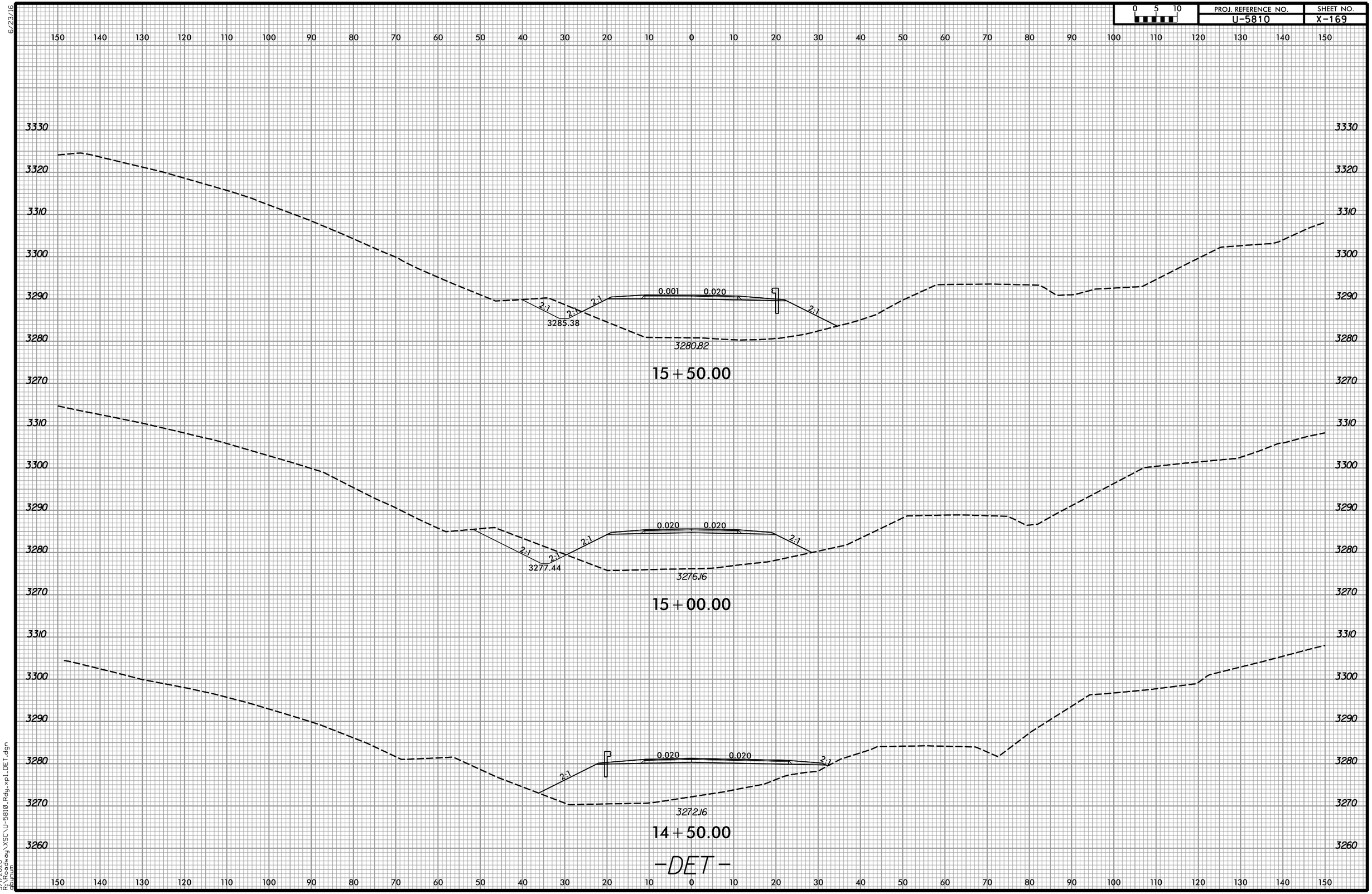
K:\Roadway\XSC\U-5810_Rdy_xp1_DET.dgn
dbrunell



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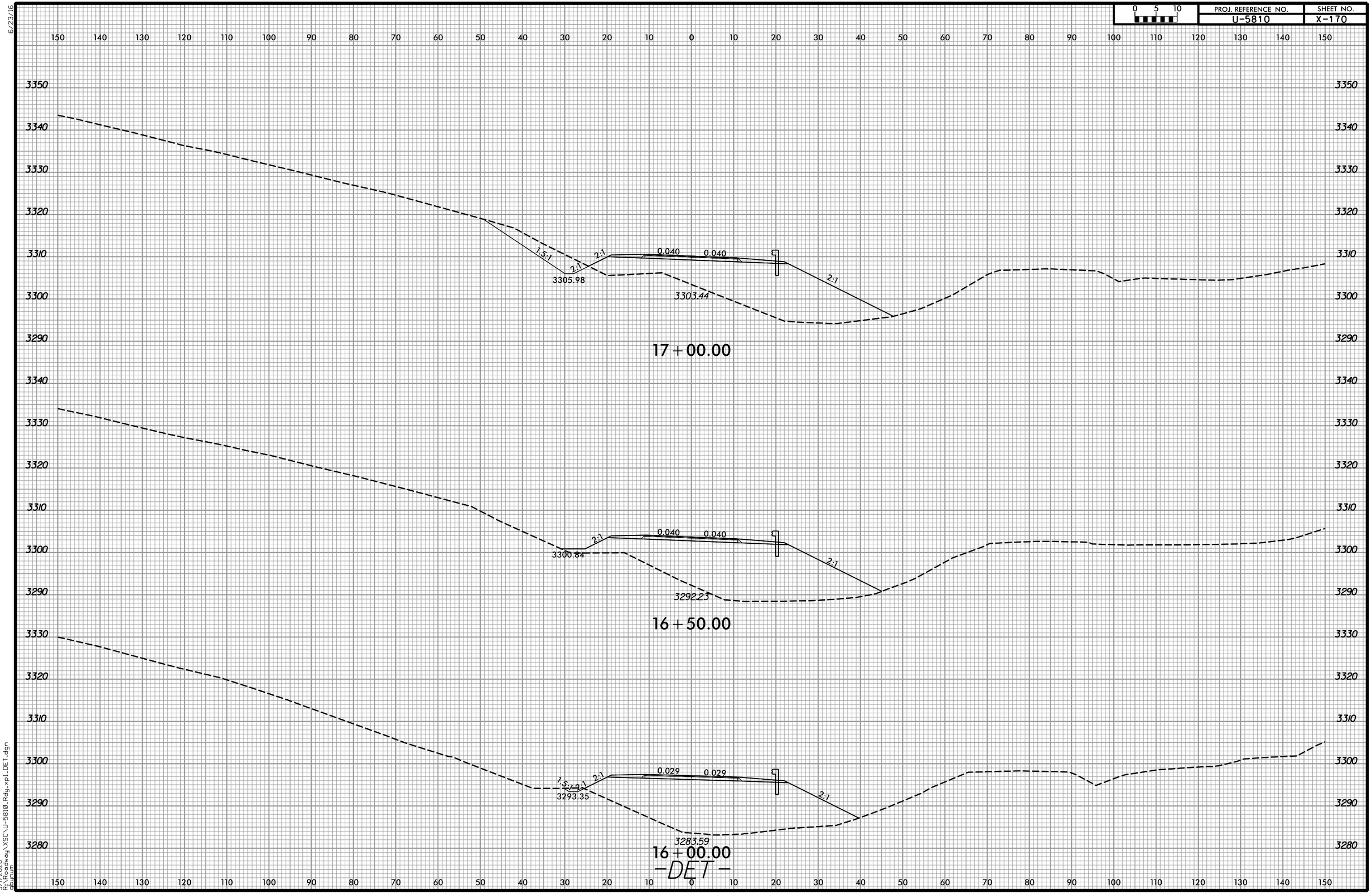
abynum



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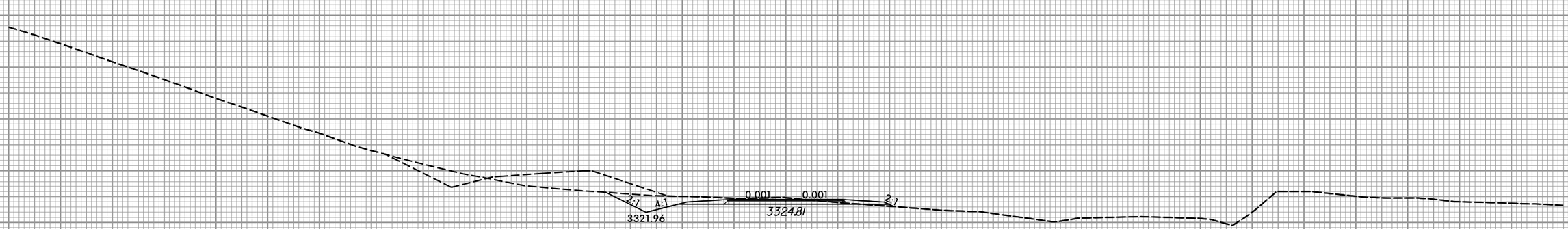
abunum

6/23/16

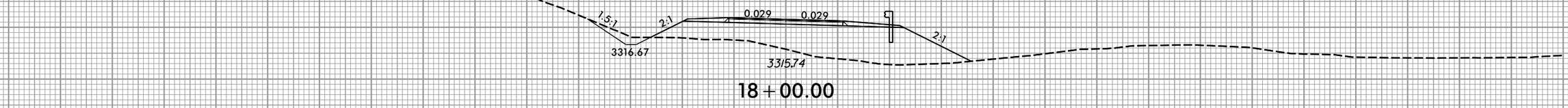
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-171

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

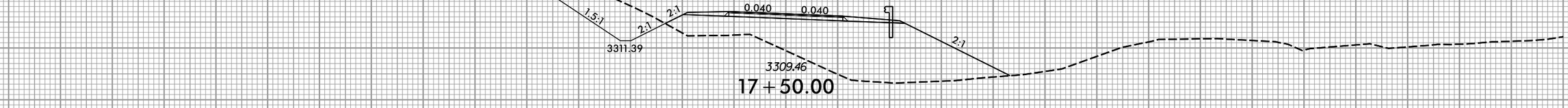
3360 3350 3340 3330 3320 3310 3300



18+50.00



18+00.00



17+50.00

-DET-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xp1_DET.dgn
dburum

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-172

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

3370 3360 3350 3340 3330 3320 3310

3320.77

20+00.00

3360 3350 3340 3330 3320 3310

2:1

3329.77

0.008 0.008

4:1

3321.40

19+50.00

3350 3340 3330 3320 3310

2:1

3332.30

0.030 0.030

4:1 2:1

3322.29 3323.35

19+00.00

-DET-

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

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K:\Roadway\XSC\U-5810_Rdy_xp1_DET.dgn
dbrunet

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-173

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

3360
3350
3340
3330
3320
3310

S.S. 3342.85

2:1

4:1

0.088

0.080

3:1

3323.63

3320.36

S.S. 3318.95

10+50.00

3330
3320
3310
3300

3312.92

10+00.00

-Y3DET-

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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dbuman

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-174

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

3370
3360
3350
3340
3330
3320
3310

2:1
4:1
0.049
0.049
2:1
3325.90

11+00.00

-Y3DET-

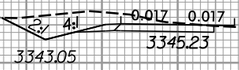
5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_Y3DET.dgn
abruen

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-175

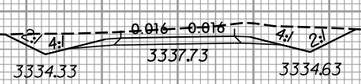
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

3370
3360
3350
3340
3330



12+00.00

3380
3370
3360
3350
3340
3330
3320

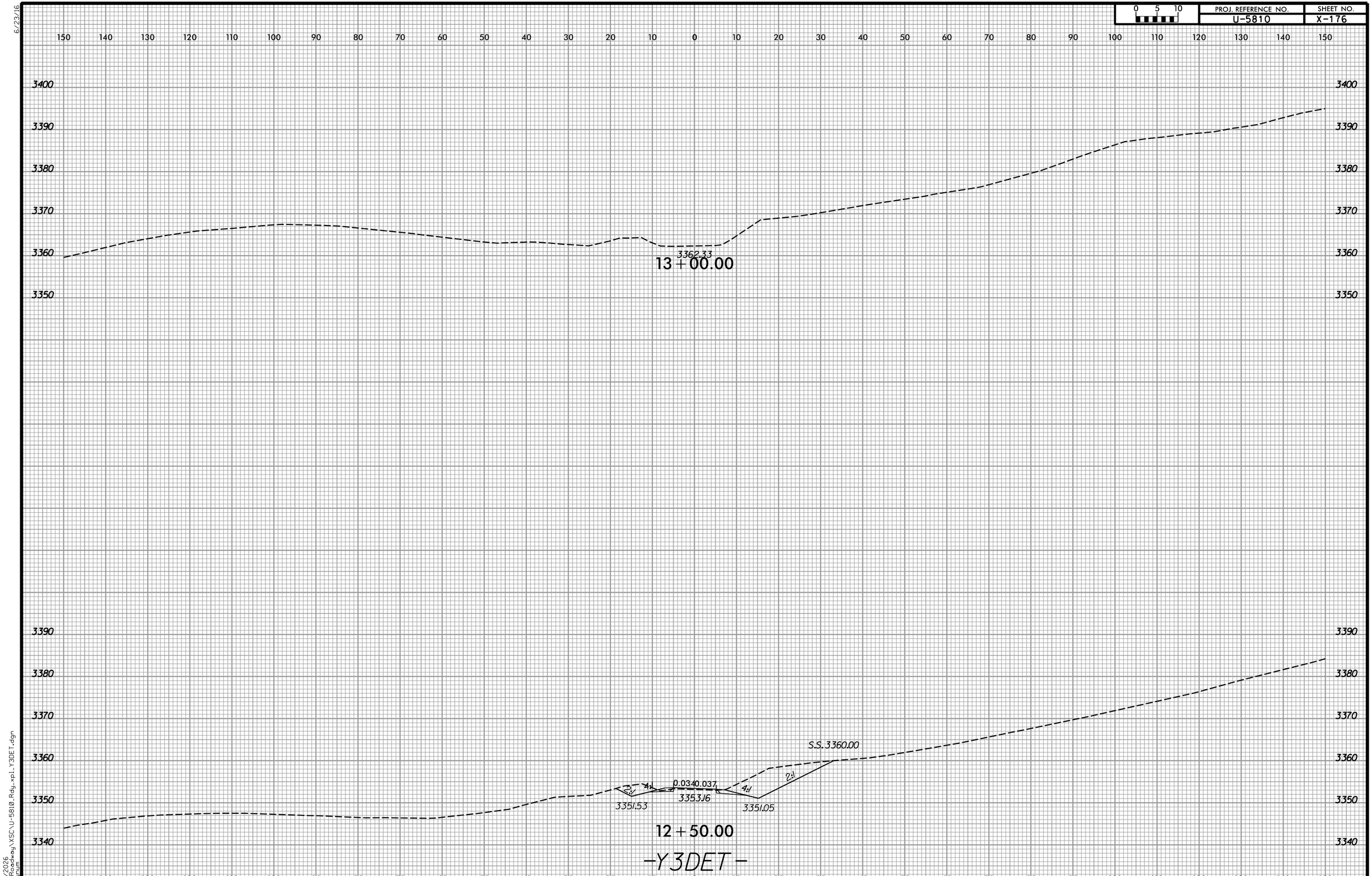


11+50.00

-Y3DET-

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

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_Y3DET.dgn
dburnett



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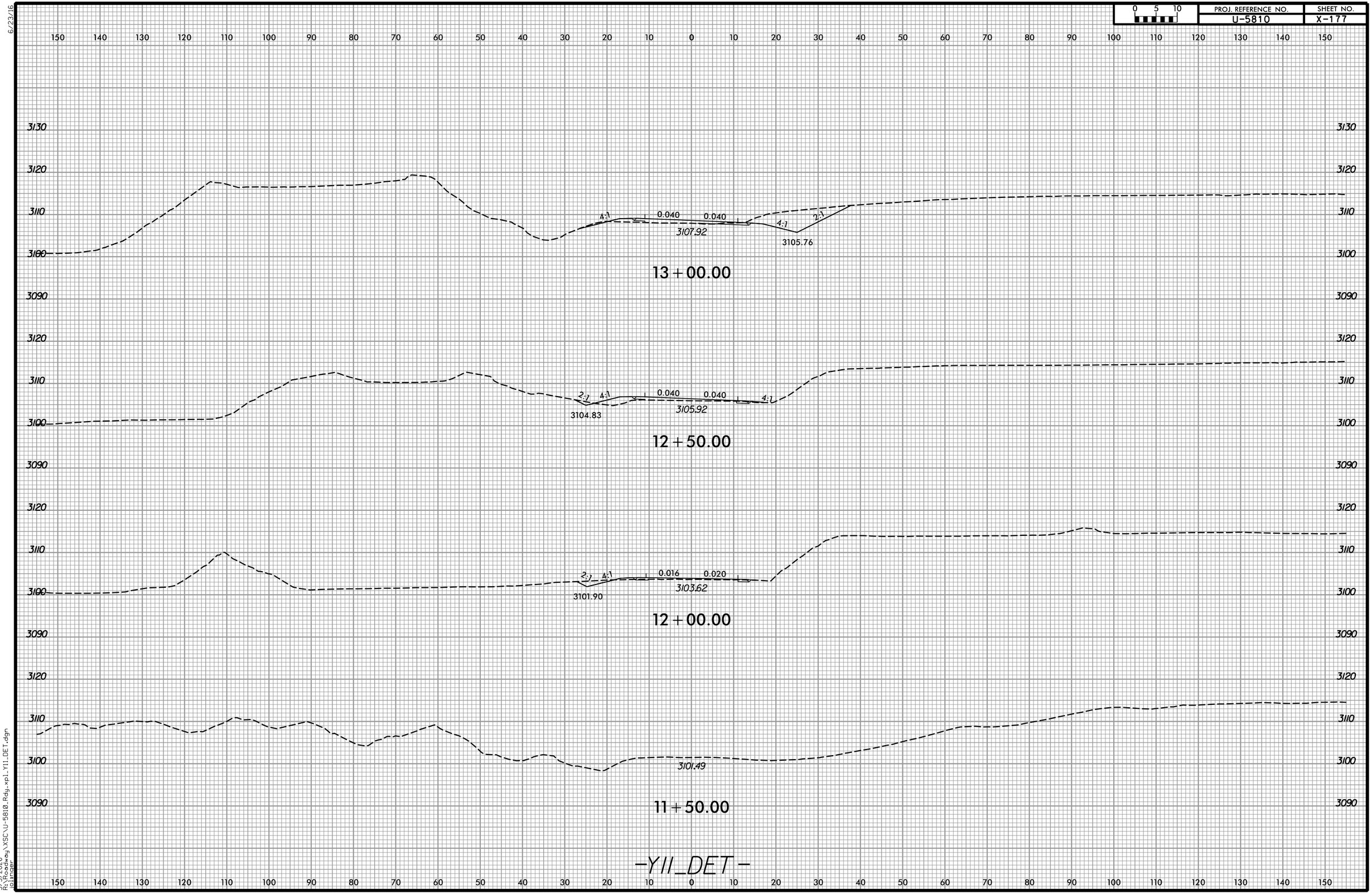
R:\Roadway\XSC\U-5810_Rdy_xpl_Y3DET.dgn
abynum



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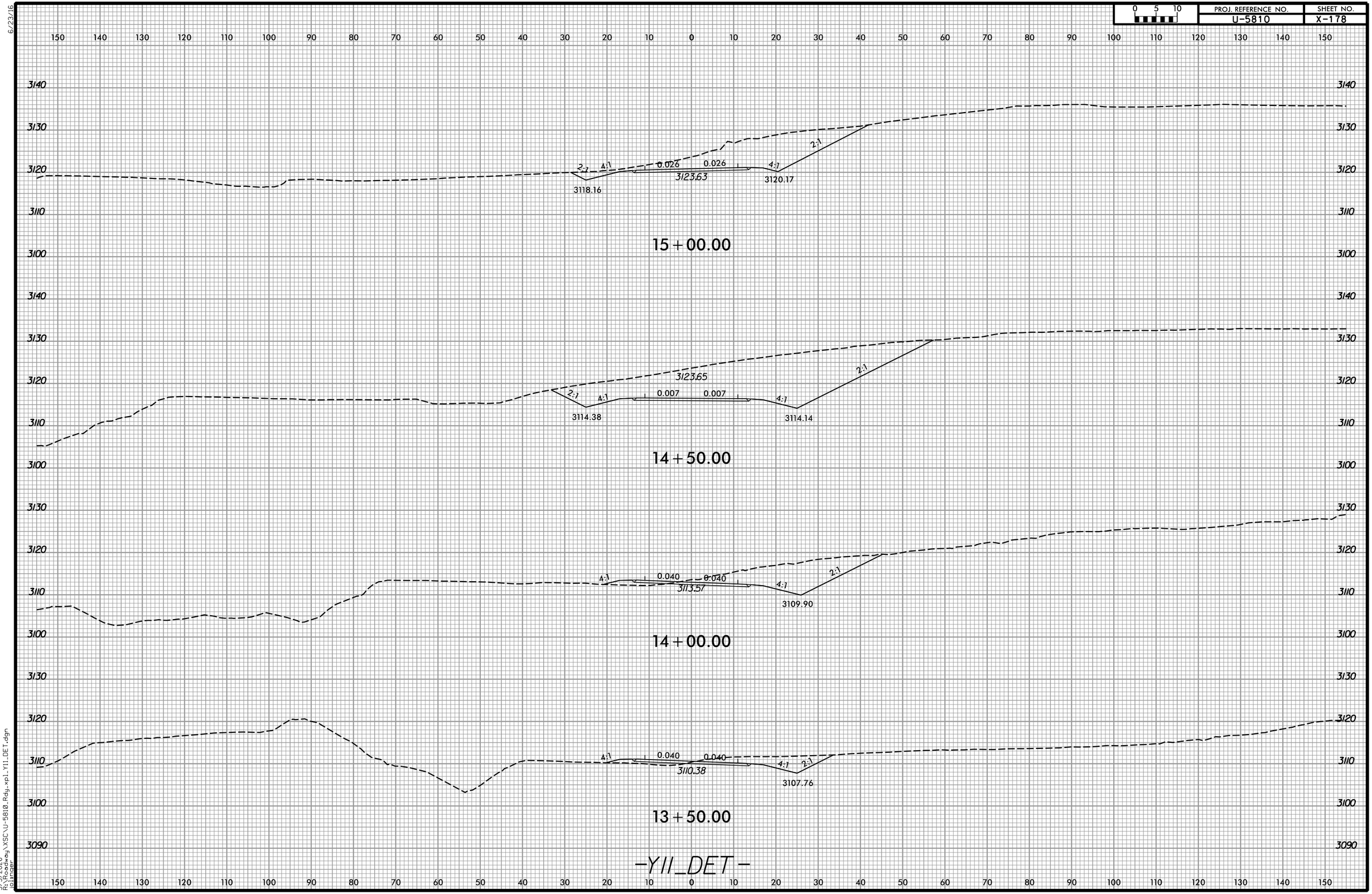
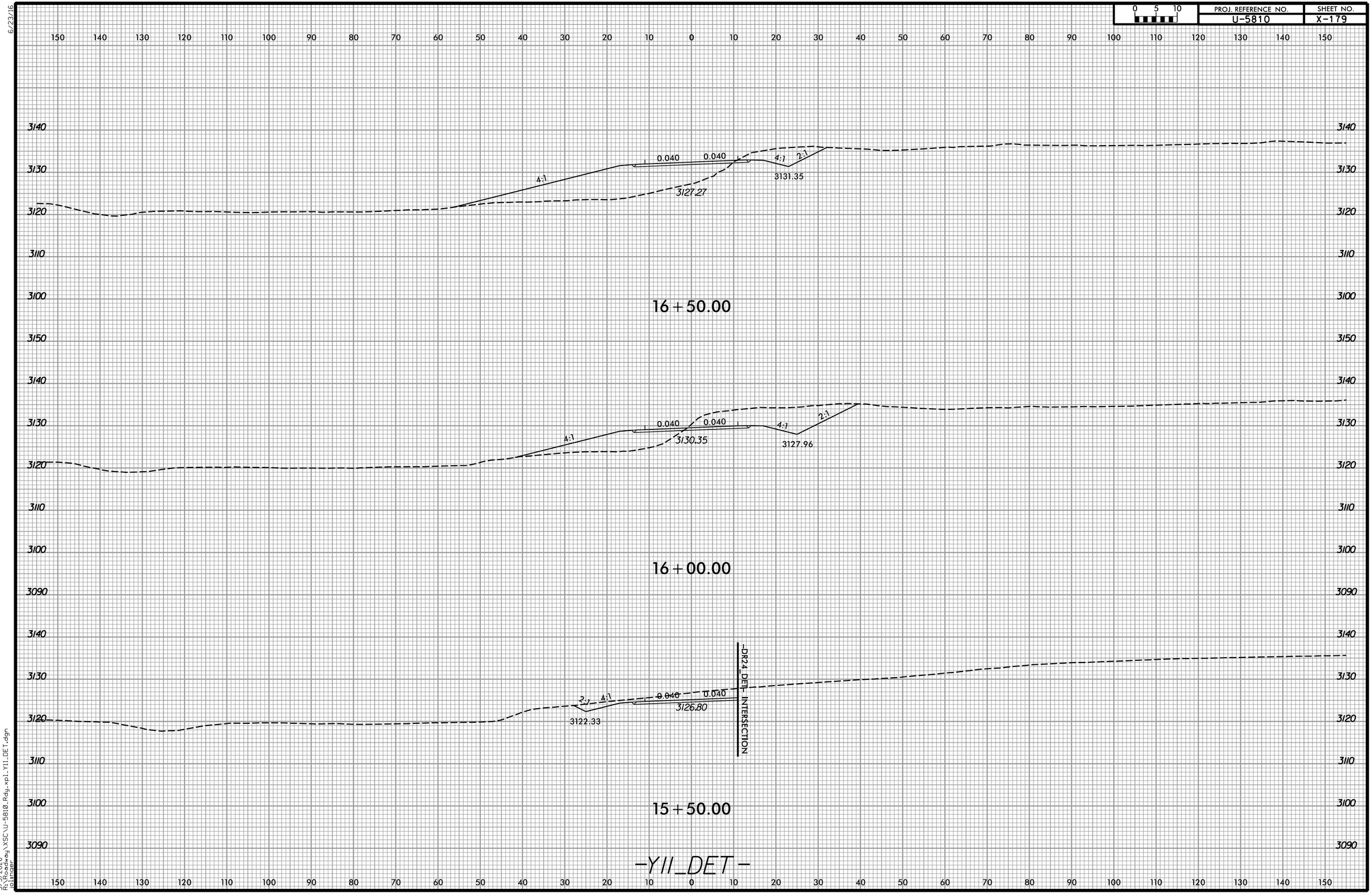
5/3/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_Y11_DET.dgn
jolinger



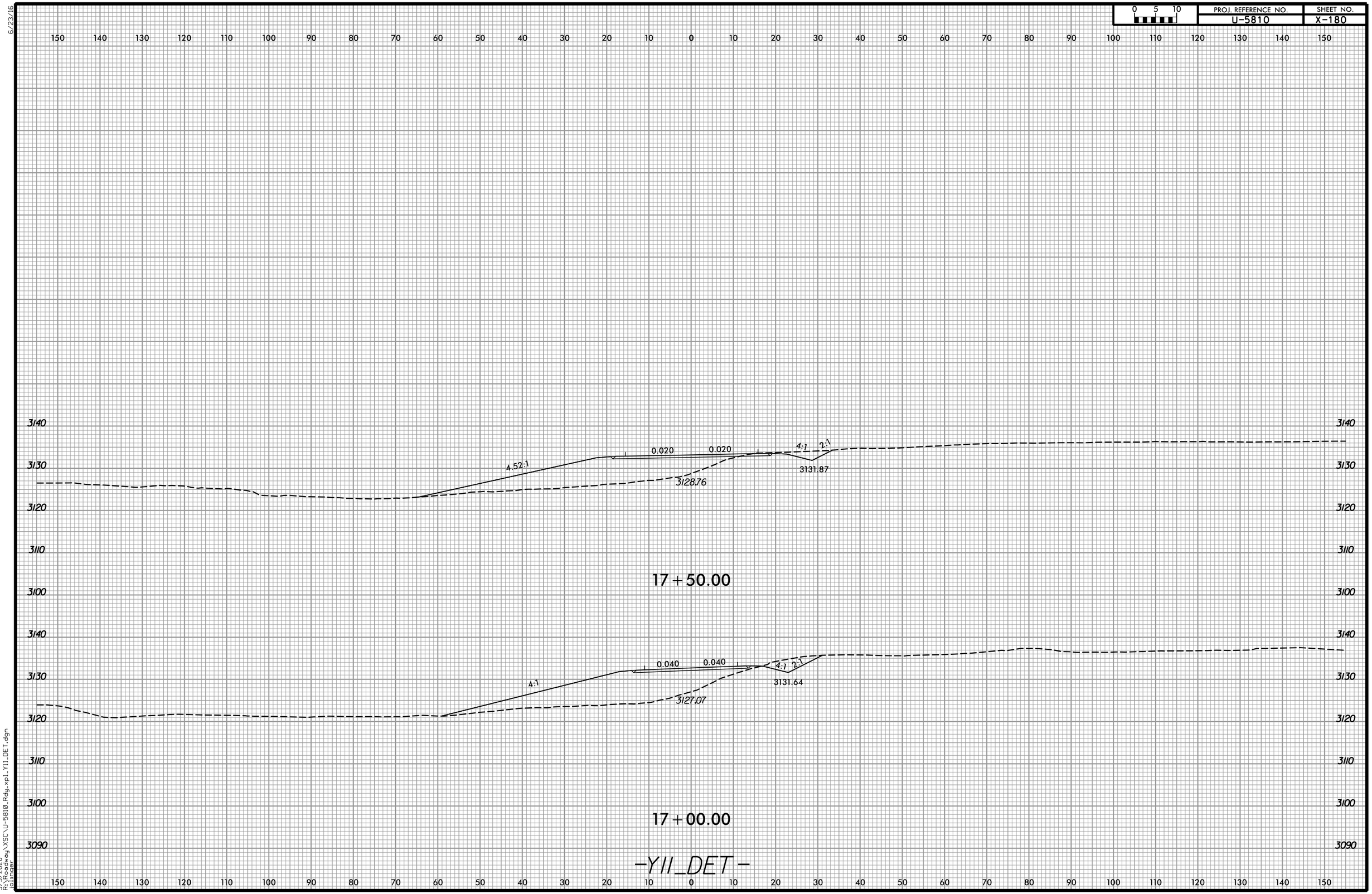
6/23/16

5/3/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_Y11_DET.dgn
jolinger



6/23/16

5/3/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_Y11_DET.dgn
jolinger



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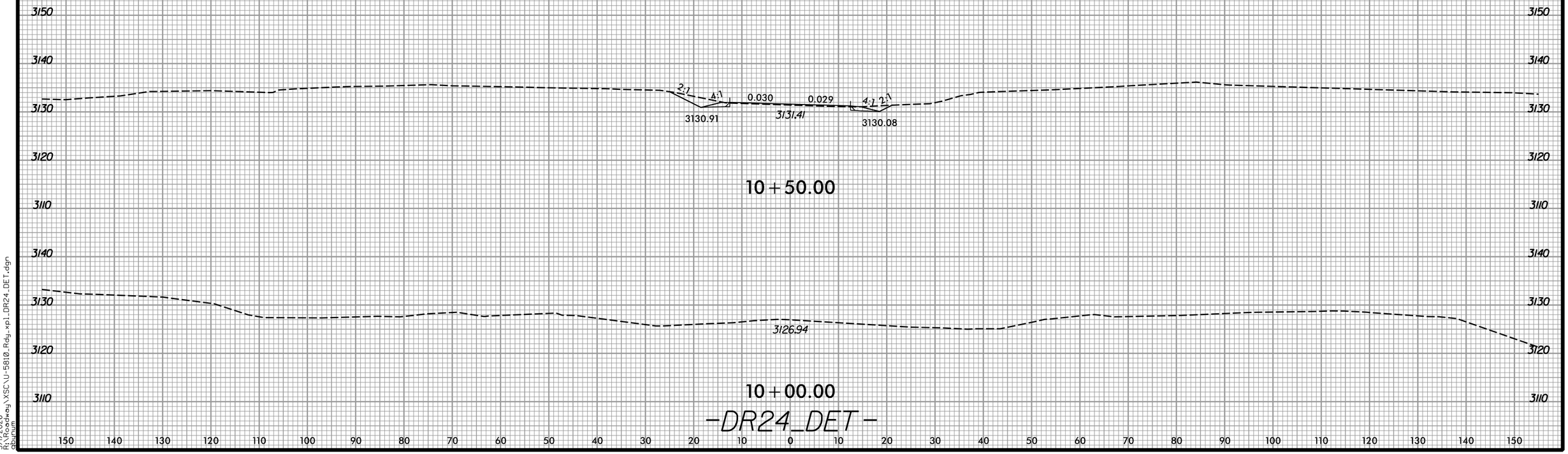
5/3/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_Y11_DET.dgn
jolinger

6/23/16

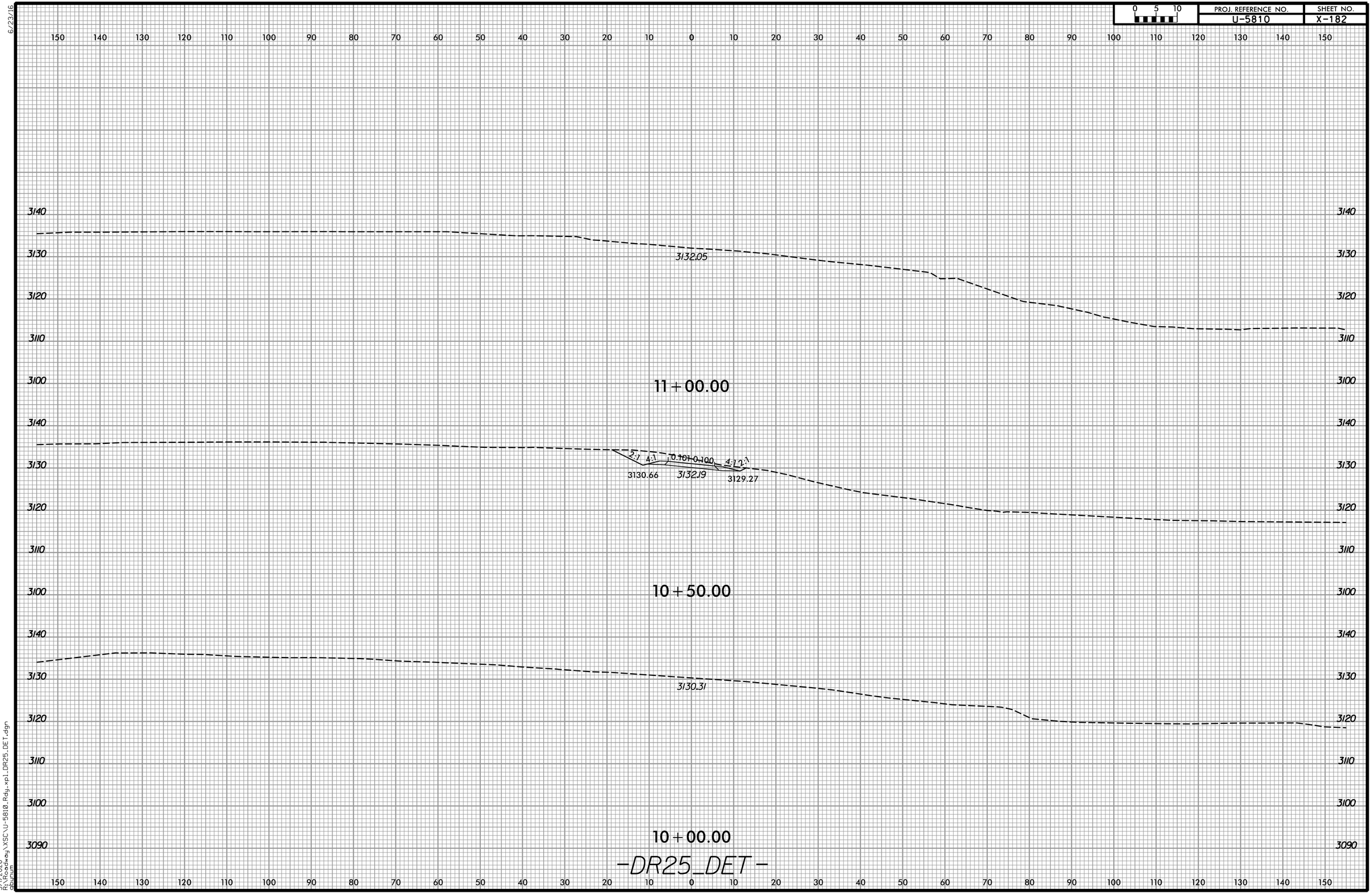
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-5810	X-181

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



-DR24_DET-

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_DR24_DET.dgn
dbuman



6/23/16

5/1/2026
R:\Roadway\XSC\U-5810_Rdy_xpl_DR25_DET.dgn
abunum