6/2/99

STV Engineers, Inc.
2151 Hawkins St., Suite 1400
Charlotte, NC 28203
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4714BA	X-1

ROADWAY DESIGN ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CROSS SECTION INDEX OF SHEETS

CROSS SECTION INDEX OF SHEETS X–1
CROSS SECTION SUMMARY X–1A THRU X–1B

ALIGNMENT	ROAD NAME	NO. OF SHEETS	SHEET NO.	
			FROM	TO
–L–	SR 1009 (OLD MONROE RD)	26	X–2	X–26
–Y–	MORNINGSIDE MEADOW LN	1	X–27	
–Y1–	SR 2661 (POPLAR GLEN DR)	1	X–28	
–Y2–	PARK MEADOW DR	1	X–29	
–Y3–	SR 1428 (ENCHANT DR)	1	X–30	
–Y4–	SR 1345 (K–LINE RD)	1	X–31	
–Y5–	SR 1387 (BRYSON RD)	1	X–32	
–Y7–	SR 1390 (WILLIAMS RESCUE RD)	1	X–33	
–Y8–	SR 1362 (CHESTNUT LN)	1	X–34	
–Y9–	SR 1391 (WOODLAND RD)	1	X–35	
–Y10–	SR 1008 (WAXHAW–INDIAN TR RD)	7	X–36	X–42
–Y11–	SR 1371 (SOUTHFORK RD)	1	X–43	

8/25/2026
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dgnuser

PROJ. REFERENCE NO.	SHEET NO.
U-4714BA	X-1A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

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

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station (Left Side) L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+00.00	0	0	0
10+50.00	0	0	307
11+00.00	0	0	307
11+50.00	0	0	333
12+00.00	0	0	369
12+50.00	0	0	368
13+00.00	0	0	340
13+50.00	0	0	325
14+00.00	0	0	325
14+50.00	0	0	339
15+00.00	0	0	454
15+50.00	0	0	568
16+00.00	0	0	585
16+50.00	0	0	491
17+00.00	0	0	279
17+50.00	3	16	111
18+00.00	20	34	46
18+50.00	56	79	16
19+00.00	117	79	9
19+50.00	238	35	22
20+00.00	298	31	30
20+50.00	138	23	31
21+00.00	6	30	35
21+50.00	123	39	40
22+00.00	221	38	35
22+50.00	191	68	30
23+00.00	156	67	30
23+50.00	121	40	23
24+00.00	64	40	24
24+50.00	24	37	34
25+00.00	28	32	31
25+50.00	29	31	31
26+00.00	13	25	57
26+50.00	0	16	86
27+00.00	0	11	107
27+50.00	0	11	75
28+00.00	0	14	70
28+50.00	0	7	126
29+00.00	0	1	146
29+50.00	0	3	139
30+00.00	3	17	102
30+50.00	24	31	56
31+00.00	76	50	25
31+50.00	175	77	17
32+00.00	181	78	19
32+50.00	77	59	10
33+00.00	26	52	0
33+50.00	15	43	27
34+00.00	13	41	40
34+50.00	16	44	34
35+00.00	24	41	34
35+50.00	81	40	19
36+00.00	144	39	12
36+50.00	171	42	7
37+00.00	152	38	9
37+50.00	105	30	17
38+00.00	81	25	18
38+50.00	50	30	16
39+00.00	39	37	12
39+50.00	51	44	20
40+00.00	27	25	16

Station (Left Side) L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
40+00.00	27	25	16
40+50.00	76	20	21
41+00.00	144	39	44
41+50.00	109	19	42
42+00.00	56	33	47
42+50.00	32	28	47
43+00.00	21	19	83
43+50.00	5	13	94
44+00.00	3	18	93
44+50.00	7	17	62
45+00.00	16	17	63
45+50.00	19	18	124
45+90.00	15	0	98

Station (Right Side) L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
45+75.00	0	0	0
46+00.00	26	20	44
46+50.00	67	64	59
47+00.00	86	44	18
47+50.00	72	22	5
48+00.00	71	49	3
48+50.00	129	53	0
49+00.00	224	53	0
49+50.00	242	54	0
50+00.00	203	55	0
50+50.00	151	56	0
51+00.00	84	55	2
51+50.00	94	53	5
52+00.00	69	49	6
52+50.00	36	51	15
53+00.00	216	81	18
53+50.00	356	105	13
54+00.00	218	90	18
54+50.00	85	69	19
55+00.00	71	59	17
55+50.00	62	56	36
56+00.00	92	53	41
56+50.00	168	60	16
57+00.00	277	67	5
57+50.00	288	69	3
58+00.00	205	71	2
58+50.00	169	70	2
59+00.00	120	69	2
59+50.00	95	70	2
60+00.00	100	72	6
60+50.00	48	43	20
60+70.00	0	0	12

Station (Right Side) L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
61+10.00	0	0	0
61+50.00	0	0	0
62+00.00	32	0	31
62+50.00	54	18	67
63+00.00	42	35	75
63+50.00	23	25	50
64+00.00	16	24	27
64+50.00	15	20	103
65+00.00	3	6	204
65+50.00	2	5	248
66+00.00	3	5	257
66+50.00	6	5	249
67+00.00	8	3	131
67+50.00	11	9	41
68+00.00	18	16	53
68+50.00	17	12	20
69+00.00	17	12	13
69+50.00	20	14	24
69+85.00	6	9	7

Station (Right Side) L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
74+10.00	0	0	0
74+50.00	1	0	6
75+00.00	7	0	63
75+50.00	19	12	40
76+00.00	22	12	22
76+50.00	7	12	14
77+00.00	21	0	17
77+50.00	34	0	29
78+00.00	39	0	20
78+50.00	56	0	15
79+00.00	50	0	6
79+50.00	29	0	0
80+00.00	14	0	6
80+50.00	17	0	8
81+00.00	20	0	3
81+12.20	2	0	0

Station Y	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+70.00	0	0
11+00.00	17	1
11+50.00	35	4
11+64.27	6	3

Station Y2	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
11+00.00	0	0
11+50.00	17	20
11+64.50	2	16

Station Y4	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+43.19	0	0
10+50.00	1	13
11+00.00	16	28
11+50.00	21	22
11+90.00	10	0

Station Y5	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
11+60.00	0	0
12+00.00	3	1
12+50.00	14	12
13+00.00	10	12
13+04.20	0	0

Station Y7	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+20.00	0	0
10+50.00	4	0
11+00.00	8	7
11+50.00	10	10
11+68.37	3	2

Station Y9	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+41.50	0	0
10+50.00	27	0
11+00.00	113	7
11+50.00	69	6
11+80.00	19	0

Station (Right Side) Y10	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+00.00	0	0
10+50.00	5	14
11+00.00	13	33
11+50.00	8	32
12+00.00	1	57
12+50.00	2	83
13+00.00	1	89
13+49.25	0	71
14+56.46	0	0
15+00.00	0	74
15+50.00	0	84
16+00.00	0	69
16+50.00	0	79
17+00.00	0	60
17+50.00	0	41
18+00.00	0	36
18+50.00	0	34
19+00.00	1	56
19+50.00	3	31
20+00.00	2	11
20+50.00	0	16
21+00.00	0	31
21+50.00	0	32
22+00.00	2	14
22+40.00	3	2

Station (POND) L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
32+00.00	0	0
32+50.00	176	70
33+00.00	342	76
33+50.00	338	122
34+00.00	172	77

PROJ. REFERENCE NO.	SHEET NO.
U-4714BA	X-1B

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

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

Station (Right Side) L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
10+00.00	0	0	0
10+50.00	6	0	76
11+00.00	4	0	106
11+50.00	3	0	119
12+00.00	3	0	111
12+50.00	4	0	126
13+00.00	5	0	81
13+50.00	6	0	68
14+00.00	76	0	69
14+50.00	73	34	84
15+00.00	4	12	192
15+50.00	6	1	249
16+00.00	7	2	209
16+50.00	8	2	150
17+00.00	12	4	94
17+50.00	16	5	73
18+00.00	17	4	74
18+50.00	15	3	63
19+00.00	15	2	58
19+50.00	16	2	55
20+00.00	15	2	50
20+50.00	13	2	35
21+00.00	11	1	44
21+50.00	11	0	68
22+00.00	11	0	68
22+50.00	11	0	65
23+00.00	11	0	57
23+50.00	7	1	29
24+00.00	6	2	5
24+50.00	9	3	16
25+00.00	11	3	33
25+50.00	14	1	41
26+00.00	17	1	44
26+50.00	16	2	47
27+00.00	18	1	56
27+50.00	16	0	31
28+00.00	15	0	30
28+50.00	19	0	46
29+00.00	20	0	37
29+50.00	18	5	43
30+00.00	17	10	50
30+50.00	21	6	35
31+00.00	18	5	36
31+50.00	15	11	30
32+00.00	23	16	1
32+50.00	31	81	31
33+00.00	29	68	65
33+50.00	16	44	93
34+00.00	8	22	117
34+50.00	7	18	113
35+00.00	7	13	112
35+50.00	6	17	107
36+00.00	17	10	80
36+50.00	27	18	60
37+00.00	43	38	40
37+50.00	58	39	18
38+00.00	43	38	28
38+50.00	19	39	54
39+00.00	6	44	78
39+50.00	3	39	118
40+00.00	1	15	74

Station (Right Side) L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
40+00.00	1	15	74
40+50.00	0	1	106
41+00.00	0	1	223
41+50.00	0	6	199
42+00.00	0	6	206
42+50.00	0	0	237
43+00.00	0	6	212
43+50.00	5	12	186
44+00.00	30	9	119
44+50.00	59	47	70
45+00.00	64	47	63
45+50.00	67	21	62
45+75.00	37	21	38

Station (Left Side) L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
50+90.00	0	0	0
51+00.00	1	0	22
51+50.00	11	13	125
52+00.00	13	27	155
52+50.00	13	36	142
53+00.00	12	34	81
53+50.00	11	15	51
54+00.00	12	12	55
54+50.00	10	17	57
55+00.00	9	15	68
55+50.00	9	15	72
56+00.00	13	8	61
56+50.00	18	10	37
57+00.00	28	9	9
57+50.00	23	15	0
58+00.00	9	29	26
58+50.00	9	35	58
59+00.00	6	39	48
59+50.00	5	37	57
60+00.00	7	41	96
60+50.00	5	28	69
61+00.00	1	13	30
61+50.00	4	17	82
62+00.00	3	19	106
62+50.00	8	27	62
63+00.00	19	18	25
63+50.00	26	19	30
64+00.00	73	19	29
64+50.00	104	41	12
65+00.00	98	41	21
65+50.00	106	44	12
66+00.00	83	40	6
66+50.00	42	28	3
67+00.00	17	19	19
67+50.00	6	17	42
68+00.00	4	15	44
68+50.00	6	15	35
69+00.00	12	17	14
69+50.00	16	19	0
70+00.00	18	19	0
70+50.00	27	41	0
71+00.00	40	21	1
71+50.00	48	21	1
72+00.00	60	21	0
72+50.00	50	19	4
73+00.00	31	22	11
73+50.00	81	44	7
74+00.00	217	73	2
74+50.00	374	92	10
75+00.00	286	59	31
75+50.00	119	20	27
76+00.00	92	22	6
76+50.00	67	23	6
77+00.00	59	27	4
77+50.00	38	30	2
78+00.00	17	27	7
78+50.00	25	19	31
79+00.00	25	13	27
79+50.00	19	6	2
80+00.00	28	0	5
80+50.00	44	0	5
81+00.00	30	0	0
81+12.35	0	0	0

Station Y1	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+35.72	0	0
10+50.00	3	3
11+00.00	11	0
11+50.00	29	1
11+55.00	4	0

Station Y3	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+35.55	0	0
10+50.00	1	4
11+00.00	10	46
11+50.00	16	35
11+70.00	4	1

Station Y8	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+38.48	0	0
10+50.00	25	0
11+00.00	93	10
11+50.00	117	14
11+65.00	47	2

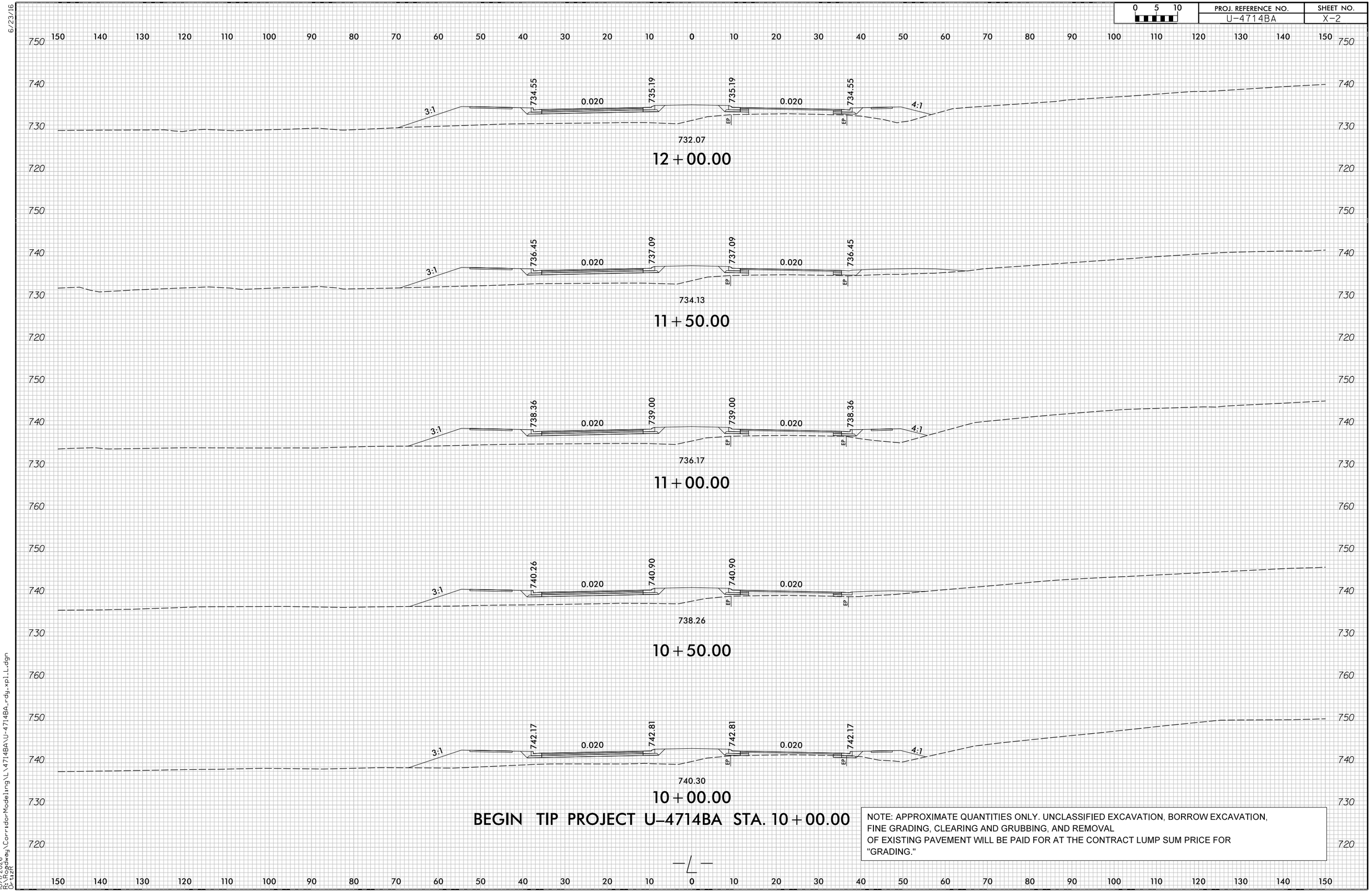
Station (Left Side) Y10	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+00.00	0	0
10+50.00	3	18
11+00.00	4	22
11+50.00	8	5
12+00.00	1	7
12+50.00	3	13
13+00.00	3	22
13+49.25	0	36

Station (Left Side) Y10	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
14+56.46	0	0
15+00.00	3	68
15+50.00	6	63
16+00.00	17	24
16+50.00	22	5
17+00.00	23	16
17+50.00	21	11
18+00.00	29	0
18+50.00	44	0
19+00.00	52	0
19+50.00	48	0
20+00.00	29	8
20+50.00	12	15
21+00.00	5	12
21+50.00	5	9
22+00.00	8	6
22+40.00	8	4

Station (Left Side) L	Uncl. Exc. (cu. yd.)	Undercut (cu. yd.)	Embt (cu. yd.)
46+00.00	0	0	0
46+50.00	7	4	67
47+00.00	14	7	121
47+50.00	14	7	100
48+00.00	11	7	113
48+50.00	10	8	106
49+00.00	12	9	77
49+50.00	12	17	66
50+00.00	13	13	67
50+50.00	6	1	40
50+90.00	0	0	0

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-2



BEGIN TIP PROJECT U-4714BA STA. 10+00.00

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."

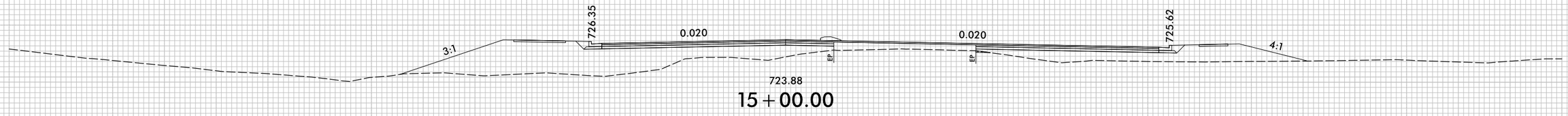
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6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-3

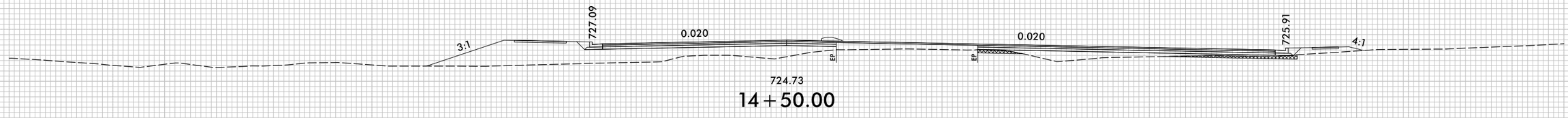
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UNDERCUT EXCAVATION



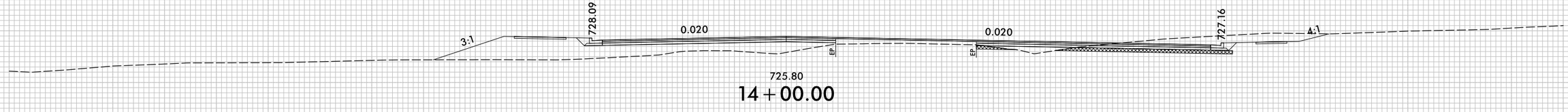
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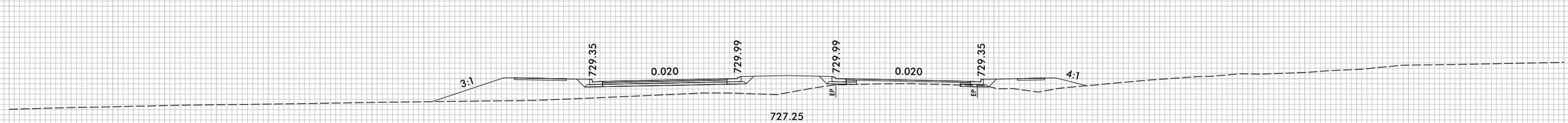
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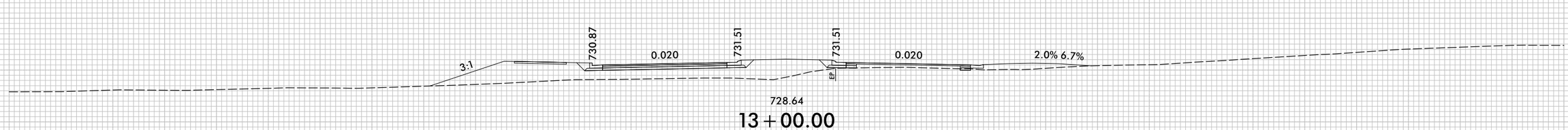
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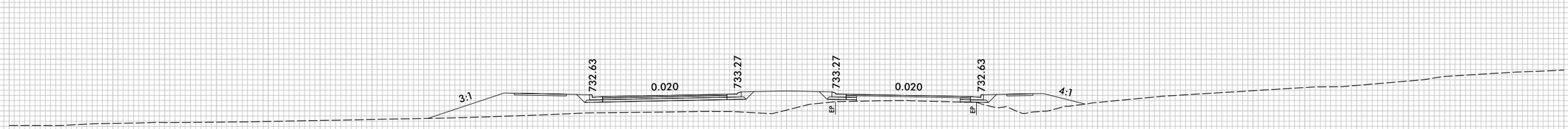
727.25

13 + 50.00



728.64

13 + 00.00



730.15

12 + 50.00

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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-4

UNDERCUT EXCAVATION

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740 730 720 710

3:1 3:1 4:1 726.70 727.10 0.020 EP 726.55 0.020 EP 727.10 3:1

18+00.00

3:1 3:1 4:1 724.93 726.52 0.020 EP 725.74 0.020 EP 726.52 3:1

17+50.00

3:1 3:1 4:1 723.15 725.98 0.020 EP 725.42 0.020 EP 725.98 3:1

17+00.00

3:1 3:1 4:1 721.38 725.69 0.020 EP 724.10 0.020 EP 725.69 3:1

16+50.00

3:1 3:1 4:1 719.60 725.65 0.020 EP 723.50 0.020 EP 725.65 3:1 2:1 2:1 718.44

16+00.00

3:1 3:1 3:1 719.35 725.87 0.020 EP 723.20 0.020 EP 725.62 3:1 2:1 2:1 719.25

15+50.00

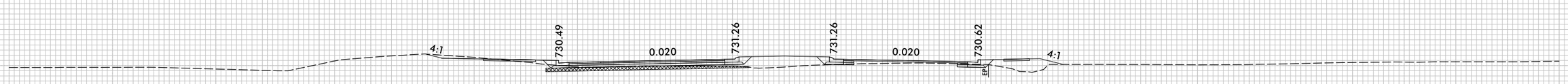
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cstroud

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-5

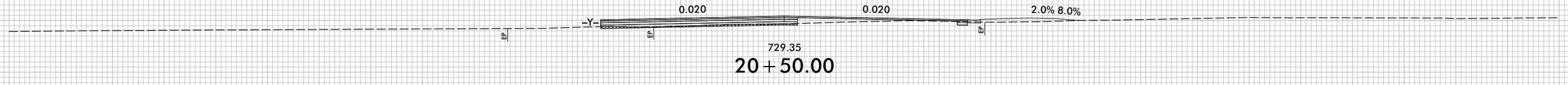
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

UNDERCUT EXCAVATION



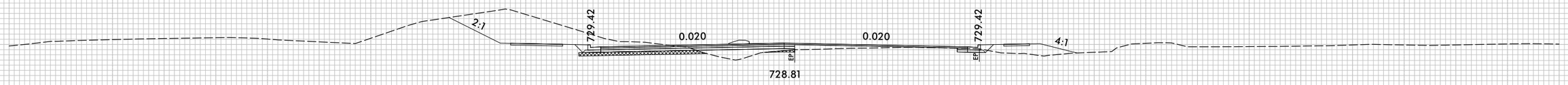
729.72

21+00.00



729.35

20+50.00



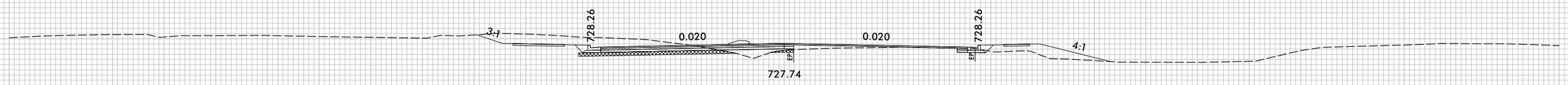
728.81

20+00.00



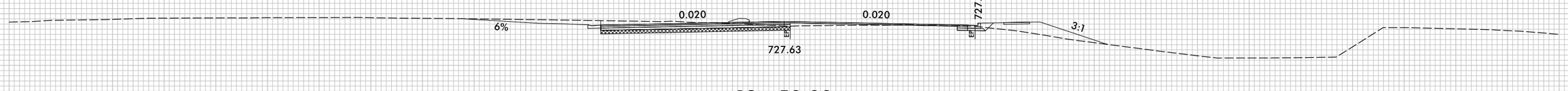
728.32

19+50.00



727.74

19+00.00



727.63

18+50.00

8/25/2026
F:\Roadway\CorridorModeling\L47148A\U-4714BA_rdy_xplL.dgn
cjones

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-6

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

UNDERCUT EXCAVATION

740 730 720

4:1 730.70 0.020 0.020 –Y1– EP

729.58

24+00.00

740 730 720

3:1 731.05 0.020 0.020 –Y1– EP EP

729.72

23+50.00

740 730 720

4:1 731.34 731.98 731.98 731.34 4:1

0.020 0.020

EP EP

729.84

23+00.00

740 730 720

4:1 731.45 732.09 732.09 731.45 4:1

0.020 0.020

EP EP

730.30

22+50.00

740 730 720

4:1 731.36 732.00 732.00 731.36 4:1

0.020 0.020

EP EP

729.98

22+00.00

740 730 720

4:1 731.09 731.73 731.73 731.09 4:1

0.020 0.020

EP EP

730.05

21+50.00

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

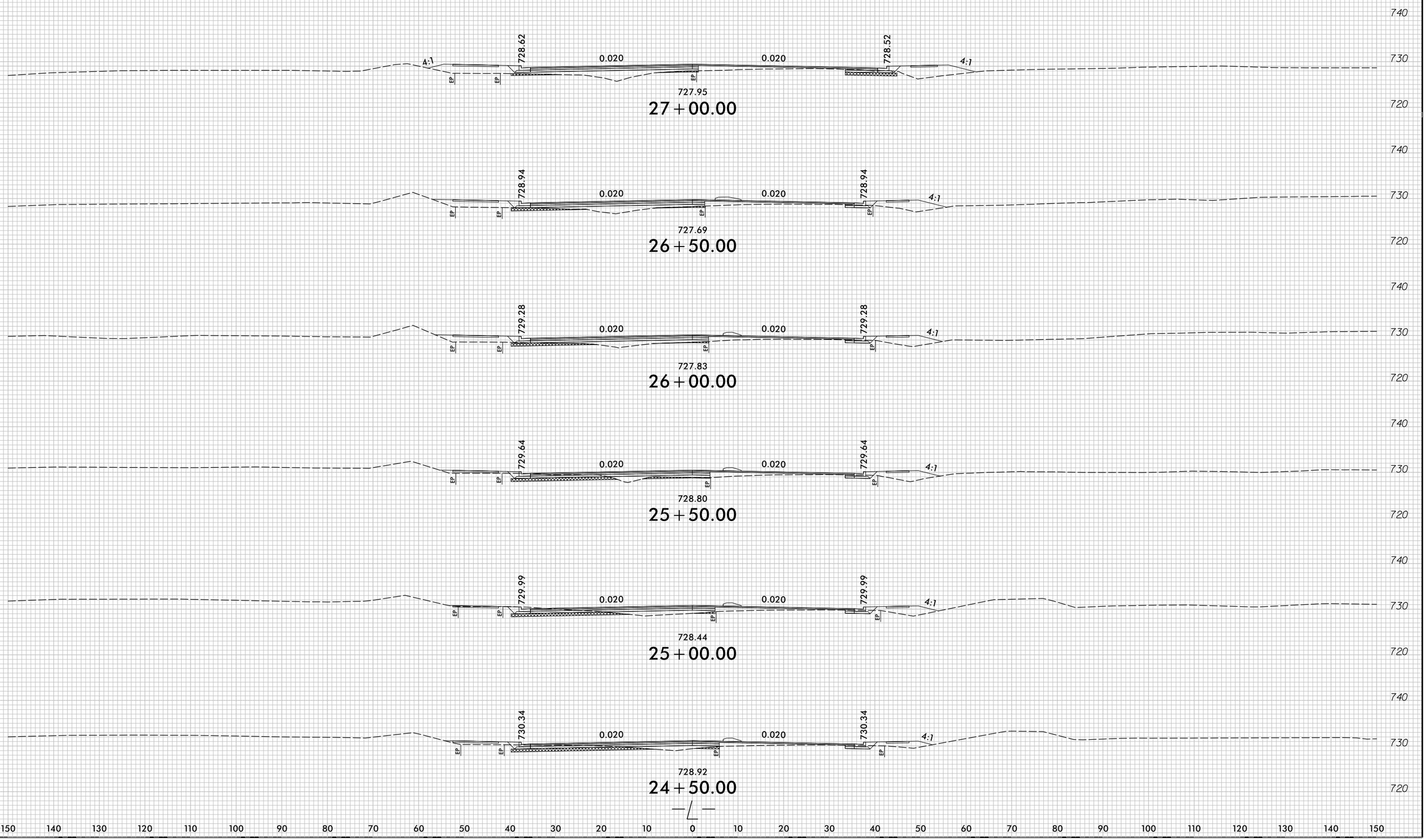
8/25/2026
11:10:08
C:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xpl_L.dgn
cjones

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-7

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

UNDERCUT EXCAVATION



8/25/2026
E:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xplL.dgn
cyrose

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-8

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

UNDERCUT EXCAVATION

740 730 720

727.04 0.020 0.020 727.04 4:1

EP EP EP EP

726.62

30+00.00

740 730 720

727.26 0.020 0.020 727.26 4:1

EP EP EP EP

726.89

29+50.00

740 730 720

727.49 0.020 0.020 727.49 4:1

EP EP EP EP

726.87

29+00.00

740 730 720

727.75 0.020 0.020 727.75 4:1

EP EP EP EP

727.01

28+50.00

740 730 720

4:1 728.03 0.020 0.020 727.99 4:1

EP EP EP EP

727.15

28+00.00

740 730 720

–Y2– 0.020 0.020 –Y3–

EP EP

727.51

27+50.00

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

8/25/2026
E:\Roadway\CorridorModeling\L47148BA\U-4714BA_rdy_xplL.dgn
cjones

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-9

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

UNDERCUT EXCAVATION

740 730 720

0.020 0.020 724.87 4:1 EP

726.00

33+00.00

740 730 720

0.020 0.020 725.26 4:1 EP

726.10

32+50.00

740 730 720

4:1 725.81 0.020 0.020 EP Y4 EP

726.21

32+00.00

740 730 720

4:1 725.42 0.020 0.020 Y4 EP EP

726.32

31+50.00

740 730 720

4:1 726.27 0.020 0.020 726.63 4:1 EP EP

726.44

31+00.00

740 730 720

4:1 726.82 0.020 0.020 2.0% 8.0% EP EP

726.51

30+50.00

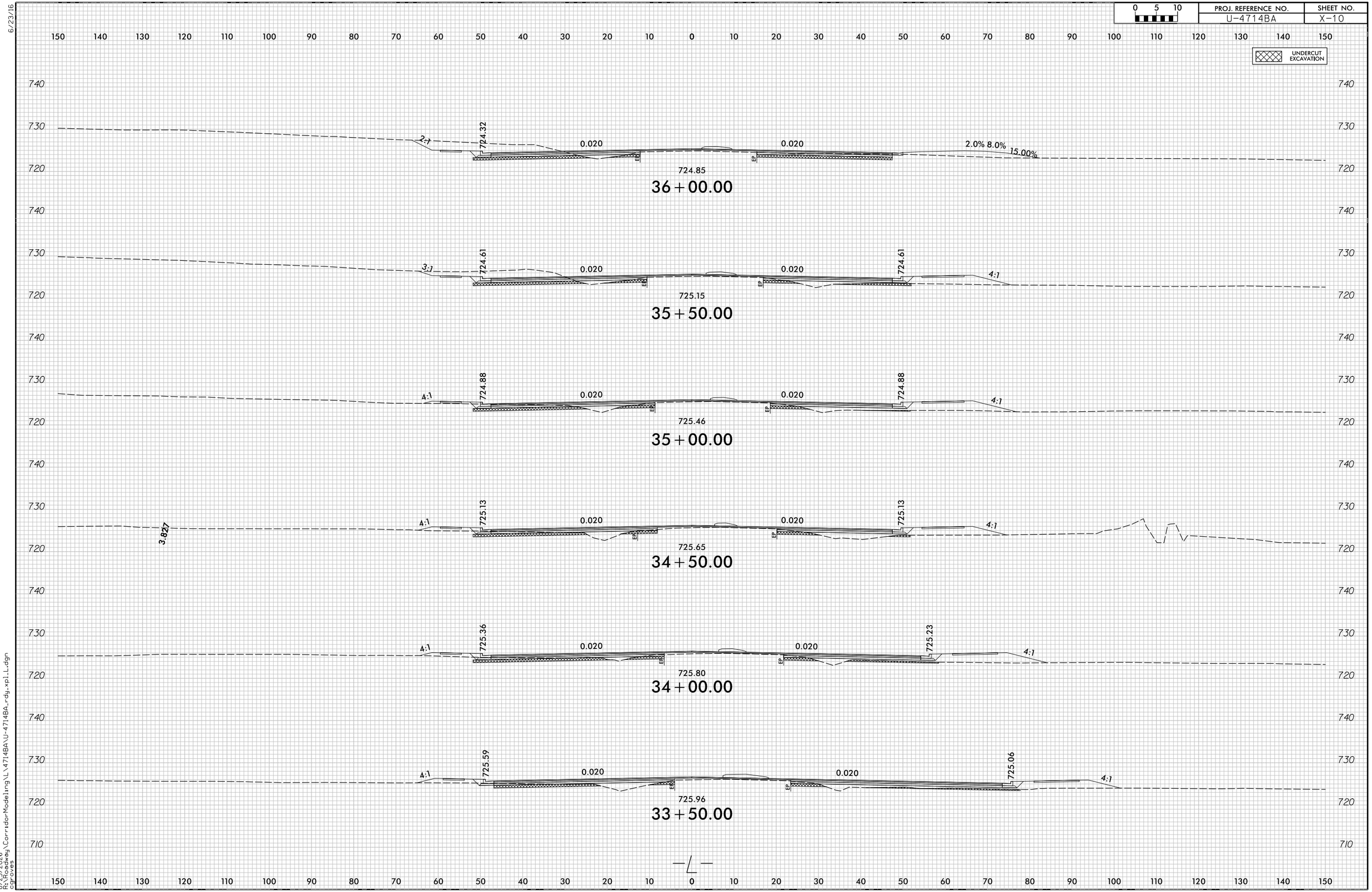
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R:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xplL.dgn
cjones

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-10

UNDERCUT EXCAVATION



8/25/2026
11:10:03
C:\Projects\Roadway\CorridorModeling\L47148A\U-4714BA_rdy_xpLL.dgn
cjones2

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-11

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

UNDERCUT EXCAVATION

730 720 710

0.020 0.020 721.27 4:1 EP EP

721.55

39+00.00

730 720 740

4:1 722.04 0.020 0.020 722.07 4:1 EP EP

722.31

38+50.00

730 720 740

6.1% 8.0% 0.020 0.020 722.74 4:1 EP EP

722.91

38+00.00

730 720 740

2:1 723.28 0.020 0.020 723.28 4:1 EP EP

723.43

37+50.00

730 720 740

2:1 723.68 0.020 0.020 723.68 4:1 EP EP

723.97

37+00.00

730 720 740

2:1 724.01 0.020 0.020 724.01 4:1 EP EP

724.42

36+50.00

710

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

8/25/2026
11:10:02 AM
C:\Projects\U-4714BA\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xpl_L.dgn

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-12

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

UNDERCUT EXCAVATION

730 720 710

8.44:1 | 713.78 | 0.020 | 714.66 | EP | 714.66 | 0.020 | 714.02 | 4:1

713.60

42+00.00

730 720 710

3:1 | 715.15 | 0.020 | 716.03 | EP | 716.03 | 0.020 | 715.39 | 4:1

715.04

41+50.00

730 720 710

2:1 | 716.53 | 0.020 | 717.41 | EP | 717.41 | 0.020 | 716.77 | 4:1

716.65

41+00.00

730 720 710

3:1 | 717.84 | 0.020 | 718.72 | EP | 718.72 | 0.020 | 718.08 | 4:1

718.12

40+50.00

730 720 710

3:1 | 719.03 | 0.020 | 719.91 | EP | 719.91 | 0.020 | 719.27 | 4:1

719.36

40+00.00

730 720 710

0.020 | 720.98 | EP | 720.98 | 0.020 | 2.0% 8.0% | 15.00%

720.55

39+50.00

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

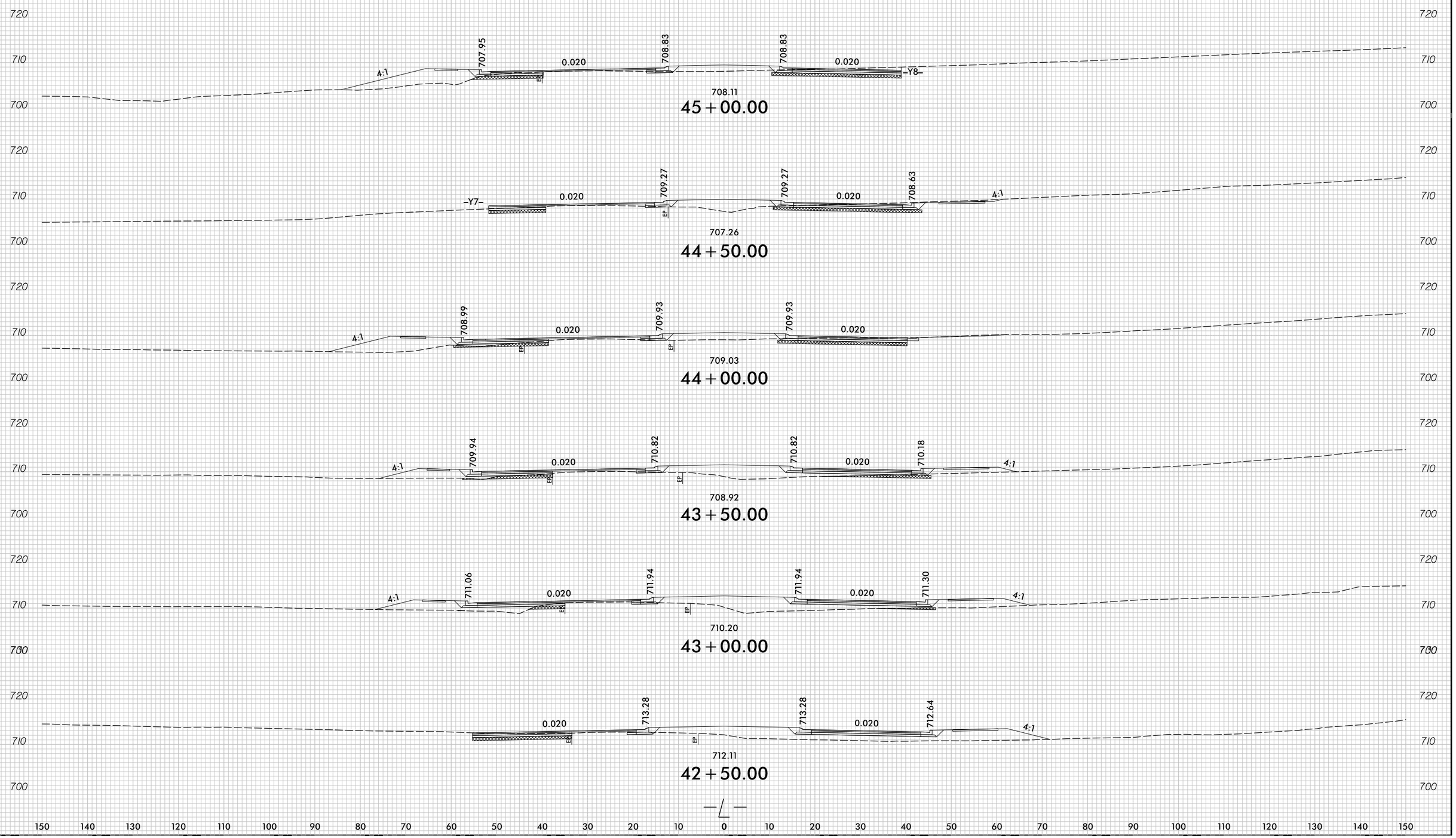
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R:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xpl_L.dgn
cgraves

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-13

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

UNDERCUT EXCAVATION



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

8/25/2026
R:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xpLL.dgn
cgroves

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-14

UNDERCUT EXCAVATION

720 710 700 690

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

15.0% 8.0% 0.020 710.23 710.47 0.020 709.59 3:1 EP EP EP 709.23

48+00.00

4:1 709.13 0.020 709.78 710.01 0.020 709.14 1,514.05:1 EP EP EP 708.42

47+50.00

4:1 708.62 0.020 709.32 709.49 0.020 708.68 4:1 EP EP 708.64

47+00.00

4:1 708.06 0.020 708.88 708.93 0.020 708.24 4:1 EP EP 707.13

46+50.00

15.0% 8.0% 708.63 0.020 708.63 0.020 707.99 3.95:1 EP EP 706.86

46+00.00

4:1 707.74 0.020 708.62 708.62 0.020 707.86 4:1 EP EP 707.41

45+50.00

8/25/2026
11:17:02
C:\Projects\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xpll.dgn

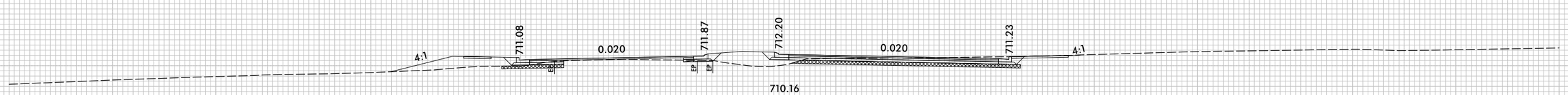
6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-15

UNDERCUT EXCAVATION

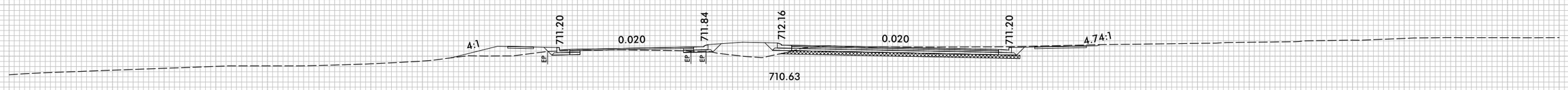
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

720 / 710 / 700



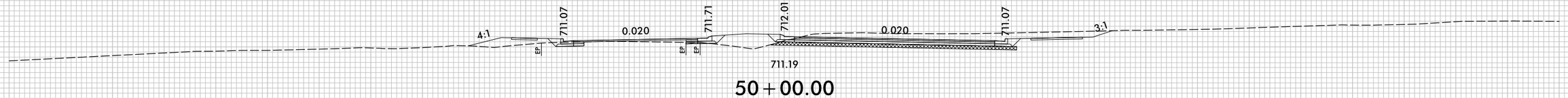
710.16

51 + 00.00



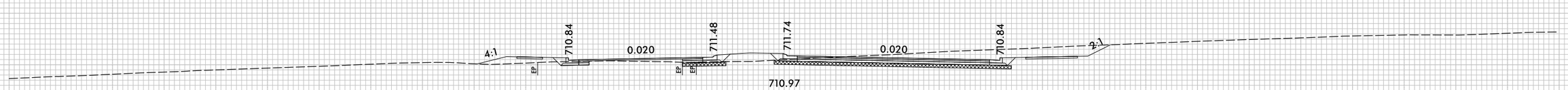
710.63

50 + 50.00



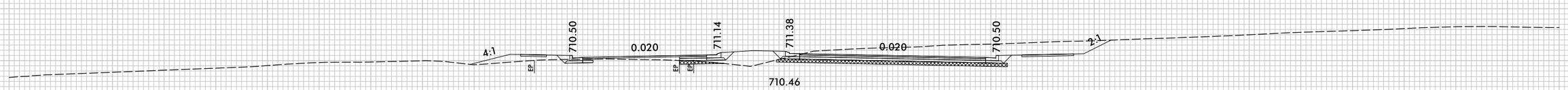
711.19

50 + 00.00



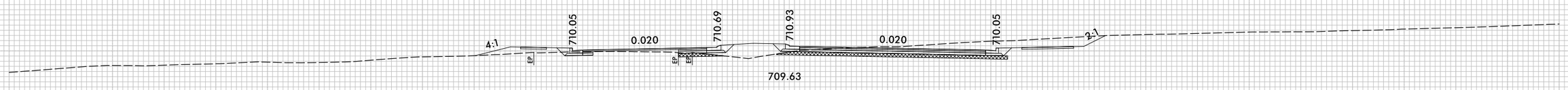
710.97

49 + 50.00



710.46

49 + 00.00



709.63

48 + 50.00

8/25/2026
R:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xplL.dgn
cjones

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-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

UNDERCUT EXCAVATION

720 / 710 / 700

4:1 | 710.38 | EP | 0.020 | EP | 0.020 | 709.87 | 3.91:1

709.33

54 + 00.00

720 / 710 / 700

4:1 | 710.56 | EP | 0.020 | EP | 0.020 | 709.69 | 4:1

709.31

53 + 50.00

720 / 710 / 700

4:1 | 710.56 | EP | 0.020 | EP | 0.020 | 709.75 | 4:1

709.66

53 + 00.00

720 / 710 / 700

4:1 | 709.97 | EP | 0.020 | EP | 0.020 | 710.86 | 4:1

708.52

52 + 50.00

720 / 710 / 700

4:1 | 710.14 | EP | 0.020 | 711.65 | 712.00 | EP | 0.020 | –Y9–

710.62

52 + 00.00

720 / 710 / 700

51 + 50.00

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

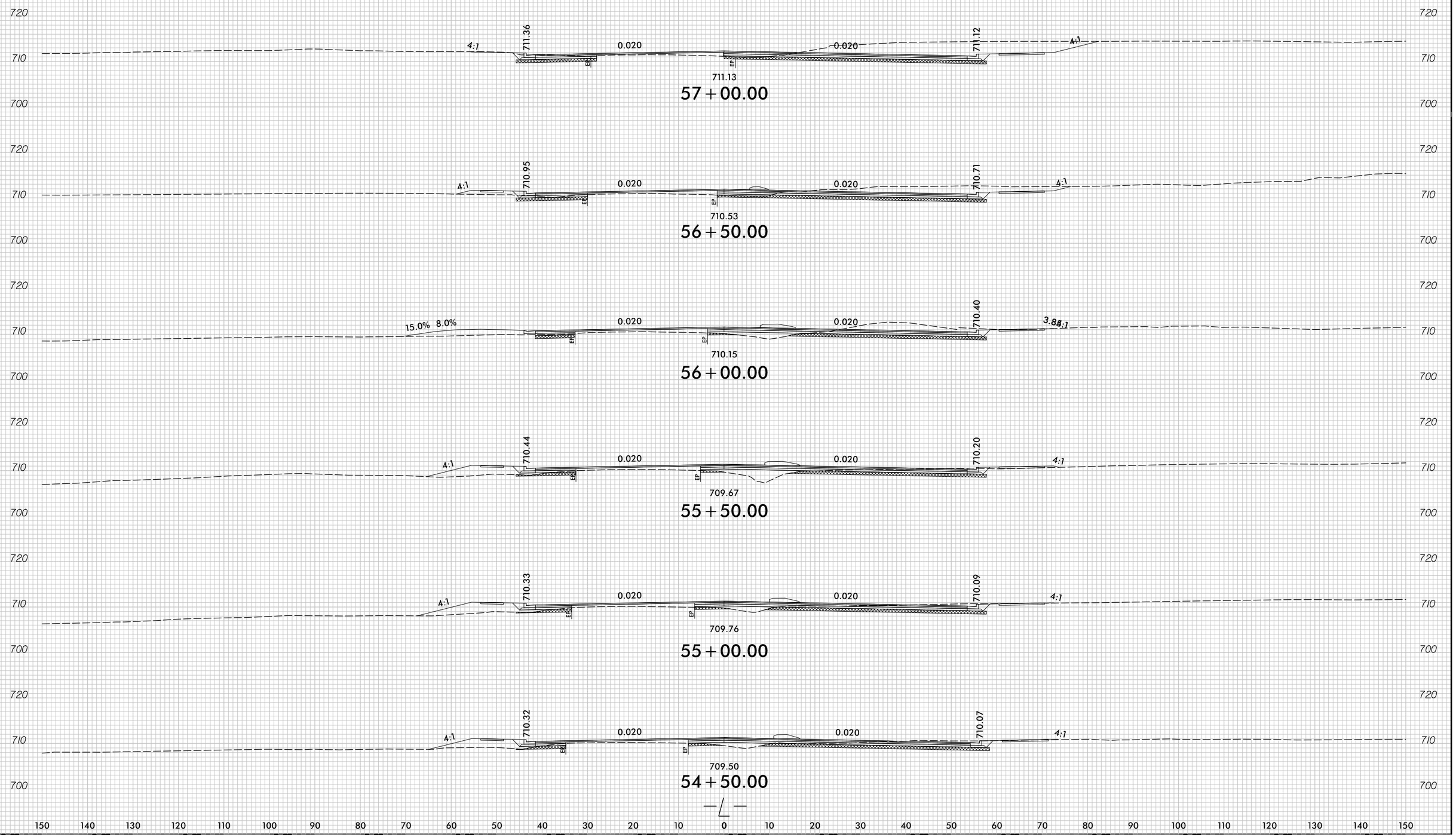
8/25/2026
R:\Roadway\CorridorModeling\U-4714BA\U-4714BA_rdy_xpl_L.dgn
cpowe

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-17

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

UNDERCUT EXCAVATION



8/25/2026
R:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xpl_L.dgn
cjrose2

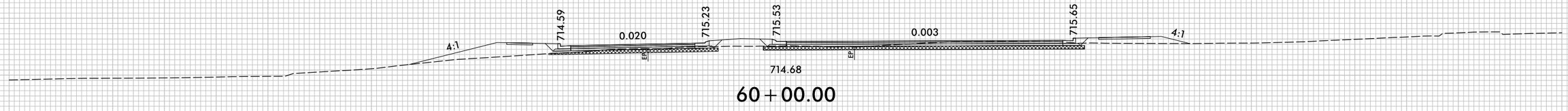
6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-18

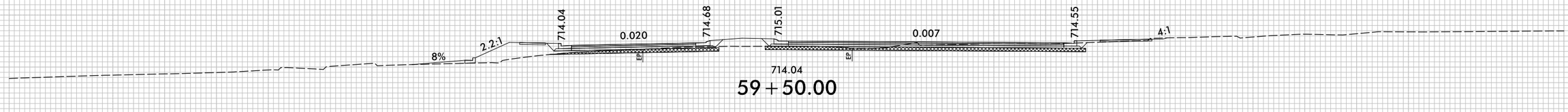
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UNDERCUT EXCAVATION

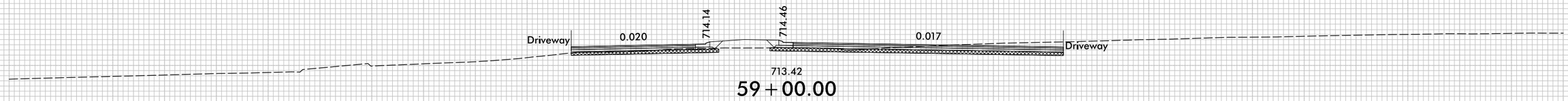
730 720 710 700



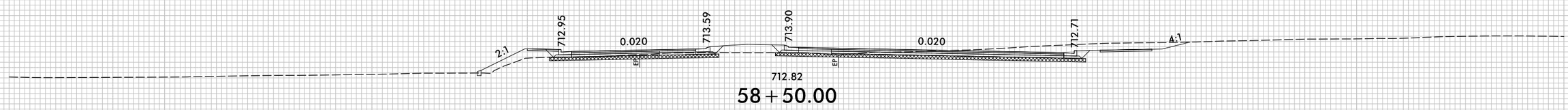
60 + 00.00



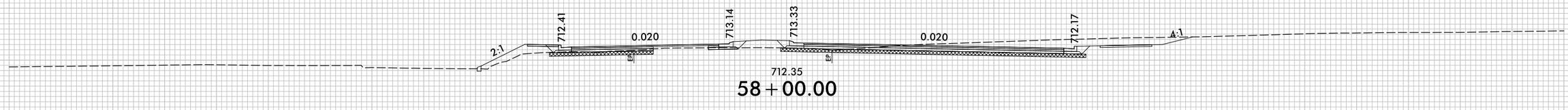
59 + 50.00



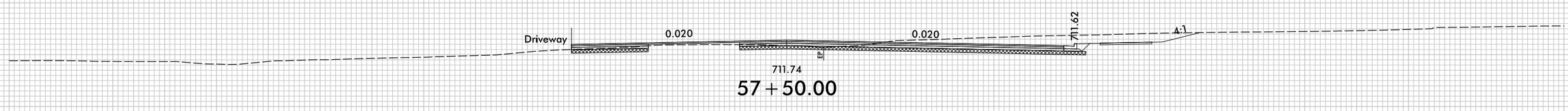
59 + 00.00



58 + 50.00



58 + 00.00



57 + 50.00

10/8/2026
R:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xpl_L.dgn
stephens

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-19

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

UNDERCUT EXCAVATION

730 720 710

DRIVEWAY

718.10

0.060

0.060

EP

721.16

3:1

63+00.00

730 720 710

715.28

717.56

0.053

0.053

EP

720.45

4.5:1

62+50.00

730 720 710

715.23

717.02

0.043

0.043

EP

719.52

6:1

62+00.00

730 720 710

714.95

716.35

0.033

0.033

EP

718.57

6:1

61+50.00

730 720 710

–Y10–

715.65

0.023

0.023

EP

–Y10–

61+00.00

730 720 710

–Y10–

715.19

0.020

0.013

EP

EP

–Y10–

60+50.00

700

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

8/25/2026
R:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xpLL.dgn
cjones

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-20

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

UNDERCUT EXCAVATION

730 720 710 700

716.44 0.050 0.050 721.08 3:1 EP

718.47

65+50.00

730 720 710 700

716.05 0.060 0.060 721.68 3:1 EP

718.83

65+00.00

730 720 710 700

4:1 716.11 0.060 0.060 721.75 3:1 EP

718.87

64+50.00

730 720 710 700

4:1 716.04 0.060 0.060 721.68 4:1 EP

718.84

64+00.00

730 720 710 700

715.83 0.060 0.060 Driveway EP

718.54

63+50.00

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

8/25/2026
R:\Roadway\Corridor Modeling\L\4714BA\U-4714BA_rdy_xpl_L.dgn
cyoung2

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-21

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

UNDERCUT EXCAVATION

730 720 710

0.020 0.010 Driveway

EP

716.36

68+50.00

730 720 710

716.48 0.020 0.000 717.23 3:1

EP EP

716.68

68+00.00

730 720 710

716.82 0.020 0.010 717.98 3:1

EP EP

717.02

67+50.00

730 720 710

717.17 0.020 0.020 719.55 3:1

EP EP

717.36

67+00.00

730 720 710

Driveway 0.030 0.030 719.55 3:1

EP

717.68

66+50.00

730 720 710

4:1 716.88 0.040 0.040 Driveway

EP EP

718.08

66+00.00

700

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

8/25/2026
R:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xplL.dgn
cjones

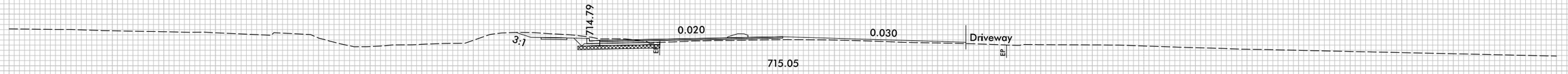
6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-22

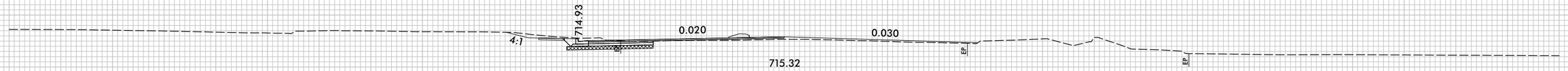
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

UNDERCUT EXCAVATION

730 720 710 700



71+50.00



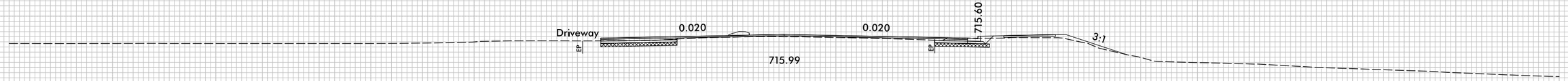
71+00.00



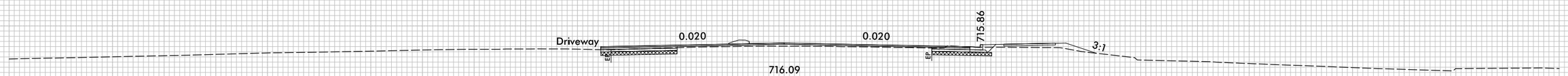
70+50.00



70+00.00



69+50.00



69+00.00

8/25/2026
E:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xplL.dgn
cjones

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-23

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

UNDERCUT EXCAVATION

720 / 710 / 700

3:1 | 709.64 | 0.020 | 711.43 | 711.43 | 0.020 | 2.0% 8.0% | 15.00%

711.29

74+50.00

4:1 | 710.92 | 0.020 | 0.030 | Driveway

712.50

74+00.00

4:1 | 711.79 | 0.020 | 0.030

713.43

73+50.00

4:1 | 713.51 | 0.020 | 0.030

714.06

73+00.00

3:1 | 0.020 | 0.030

714.44

72+50.00

3:1 | 714.59 | 0.020 | 0.030 | Driveway

714.73

72+00.00

8/25/2026
R:\Roadway\CorridorModeling\U-4714BA\U-4714BA_rdy_xpLL.dgn
dgnuser

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-24

UNDERCUT EXCAVATION

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

710 / 700 / 690 / 620

END TIP PROJECT U-4714BA -L- STA. 78+12.35

4:1 699.55 0.020 EP 0.020 EP 4:1 4:1

699.96

78+00.00

710 / 700 / 620

701.14 0.020 EP 0.020 Driveway

701.46

77+50.00

710 / 700 / 620

8% 0.020 EP 0.020 EP 702.83 4:1

703.09

77+00.00

710 / 700 / 620

2:1 704.52 0.020 EP 0.020 EP 2.0% 8.0%

704.86

76+50.00

710 / 700 / 620

2:1 706.21 0.020 EP 0.020 EP 706.21 4:1

706.55

76+00.00

720 / 710 / 700

8% 20% 8% 707.89 0.020 EP 0.020 EP 2.0% 8.0%

708.13

75+50.00

720 / 710 / 700

2:1 709.44 0.020 EP 0.020 EP 709.44 4:1

709.79

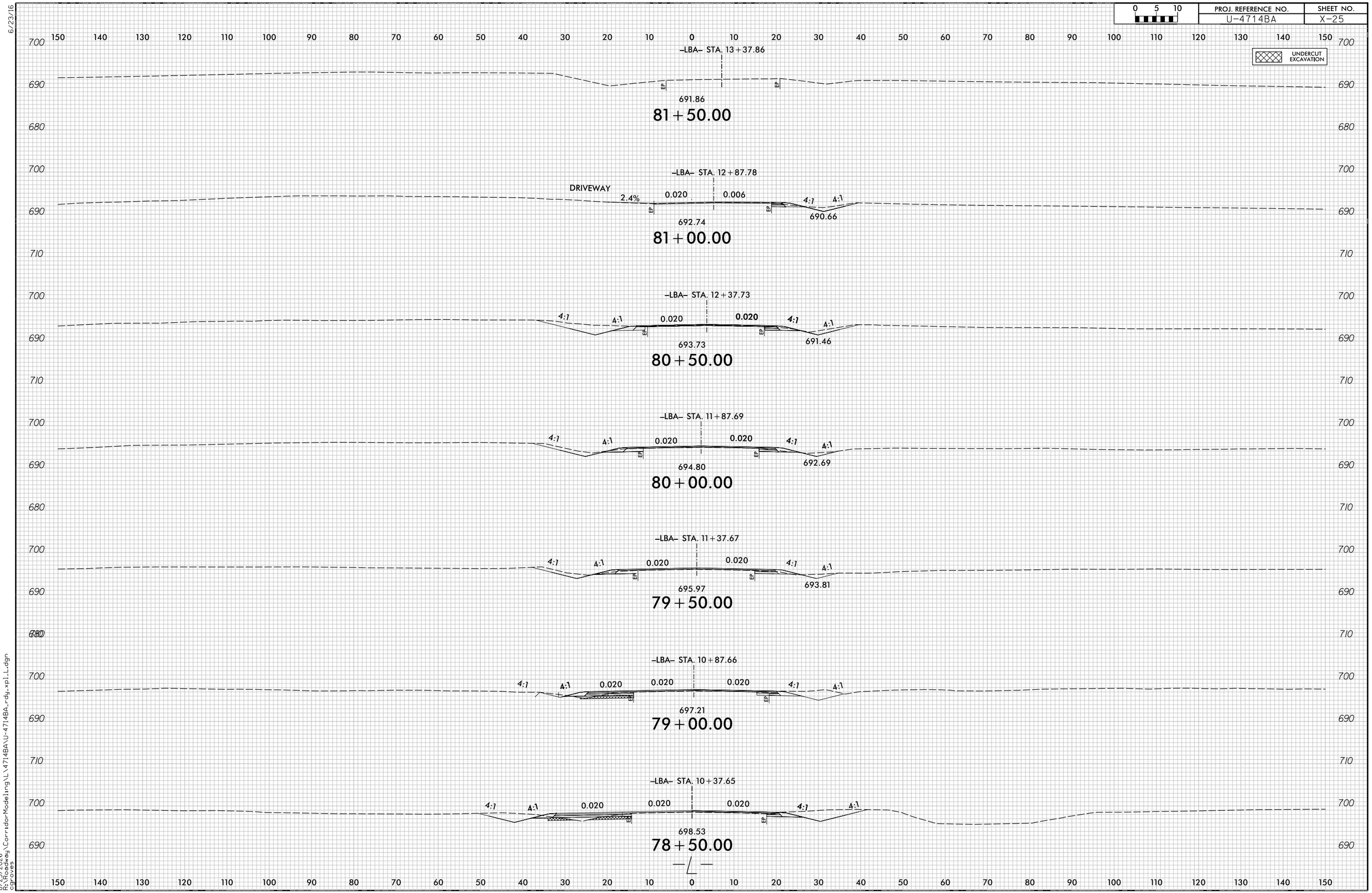
75+00.00

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

8/25/2026
R:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xpl_L.dgn
cgroves

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-25



8/25/2026
R:\Roadway\Corridor Modeling\U-4714BA\U-4714BA_rdy_xpLL.dgn
cgroves

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-26

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

700 690 680

–LBA– STA. 16+38.72

EP EP

687.73

84+50.00

700 690 680

–LBA– STA. 15+88.57

EP EP

688.11

84+00.00

700 690 680

–LBA– STA. 15+38.42

EP EP

689.22

83+50.00

700 690 680

–LBA– STA. 14+88.26

EP EP

689.98

83+00.00

700 690 680

–LBA– STA. 14+38.10

EP EP

690.61

82+50.00

700 690 680

–LBA– STA. 13+87.96

EP EP

691.11

82+00.00

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

8/25/2026
R:\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xpl_L.dgn
cgroves

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	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

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

–LBA– STA. 17+89.15

–Y11– –Y12–

EP EP EP EP

686.32

86+00.00

END CONSTRUCTION –L– STA. 85+85.86

–LBA– STA. 17+39.01

EP EP

686.18

85+50.00

–LBA– STA. 16+88.87

EP EP

687.01

85+00.00

–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

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

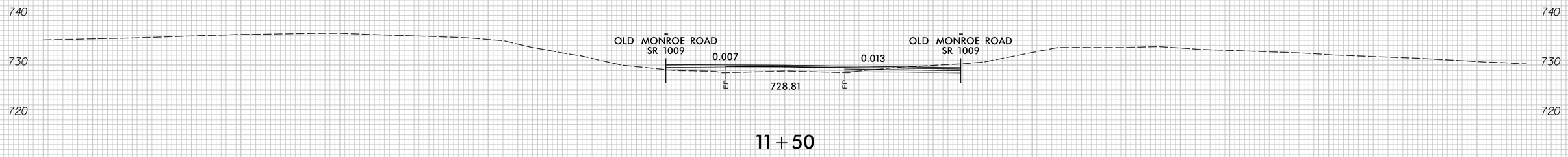
8/25/2026
By:Caseyj
C:\Projects\Roadway\CorridorModeling\L\4714BA\U-4714BA_rdy_xplL.dgn
cycase2

6/23/16

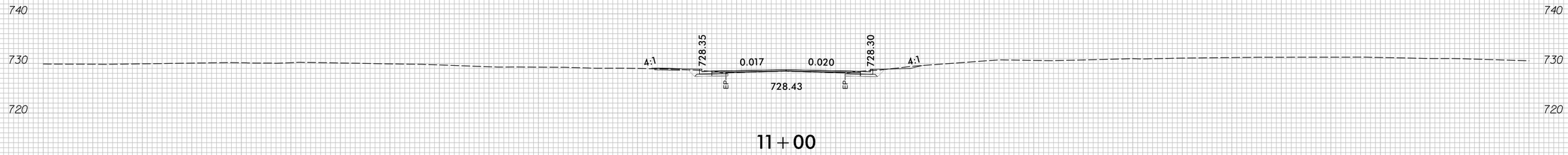
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-28

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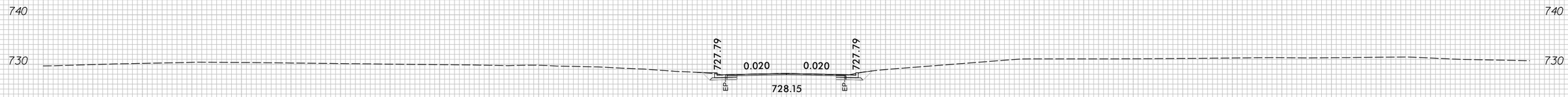
END CONSTRUCTION –Y– STA. 11+64.27



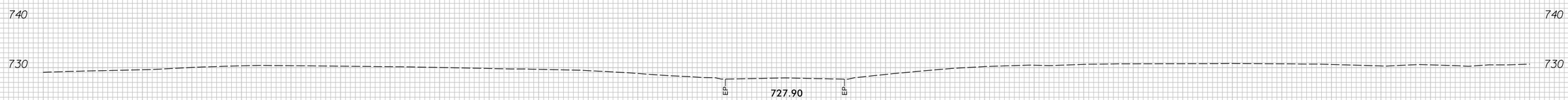
11+50



11+00



BEGIN CONSTRUCTION –Y– STA. 10+70



10+50

–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\CorridorModeling\YU-4714BA\U-4714BA_rdg_xpl_Y.dgn
cgroves

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	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

740
730
720

EP 729.50 EP

12 + 00

740
730
720

729.35 EP 0.020 0.020 729.35
EP 729.68 EP

END CONSTRUCTION –Y1– STA. 11 + 55

740
730
720

4:1 729.39 0.020 0.020 729.38 3:1
EP 729.69 EP

11 + 50

740
730
720

Driveway 0.020 0.017 Driveway
EP 729.83 EP

11 + 00

740
730
720

OLD MONROE ROAD
SR 1009
–L–
0.013 0.007
EP 730.03 EP

OLD MONROE ROAD
SR 1009
–L–

10 + 50

BEGIN CONSTRUCTION –Y1– STA. 10 + 35.72

–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

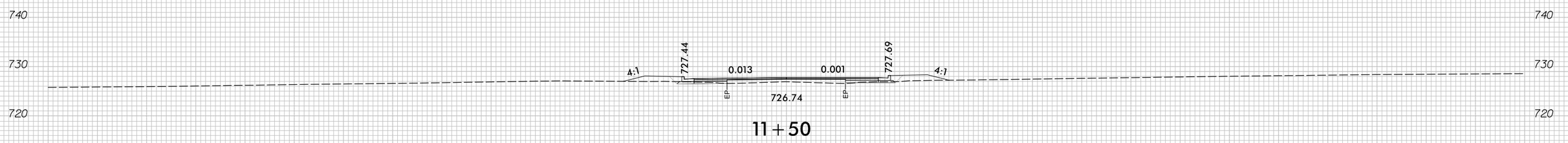
8/25/2026
11:40:49
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cjones2

6/23/16

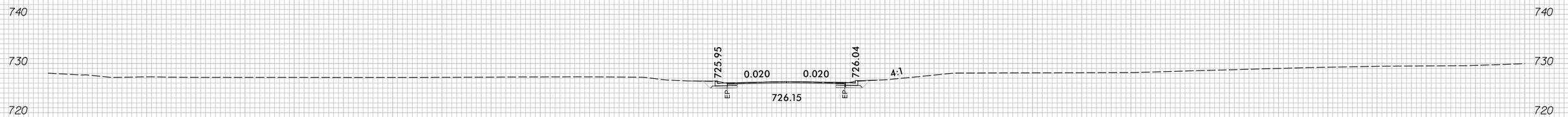
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-30

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

END CONSTRUCTION –Y2– STA. 11+64.50



11+50



BEGIN CONSTRUCTION 11+00

–Y2–

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

10/1/2026
R:\Roadway\CorridorModeling\Y2\U-4714BA\U-4714BA_rdy_xpl_Y2.dgn
DLHAZEL

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-31

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

740 730 720

EP 729.77 EP

12 + 00

740 730 720

0.050 0.007

EP 729.53 EP

END CONSTRUCTION –Y3– STA. 11 + 70

740 730 720

4:1 0.040 0.010 4:1

EP EP

729.33

11 + 50

740 730 720

728.48 728.73

4:1 0.020 0.010 4:1

EP EP

728.76

11 + 00

740 730 720

728.20

OLD MONROE ROAD
SR 1009

4:1 0.010 0.004

EP

728.04

10 + 50

BEGIN CONSTRUCTION –Y3– STA. 10 + 35.55

–Y3–

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

8/25/2026
11:40:42
C:\Projects\Roadway\CorridorModeling\Y3\U-4714BA\U-4714BA_rdy_xpl_Y3.dgn
cjones2

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	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

730
720

EP 727.07 EP

12+00

730
720

0.020 0.020

EP 726.93 EP

END CONSTRUCTION –Y4– STA. 11+90

730
720

0.020 0.020

EP 726.34 EP

11+50

730
720

4:1 725.90 0.020 0.020 725.92 4:1

EP EP

725.75

11+00

730
720

OLD MONROE ROAD
SR 1009

OLD MONROE ROAD
SR 1009

0.009 0.003

EP 725.73

10+50

BEGIN CONSTRUCTION –Y4– STA. 10+43.19

–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

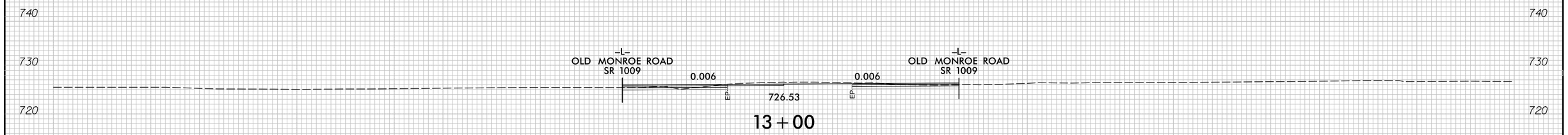
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6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-33

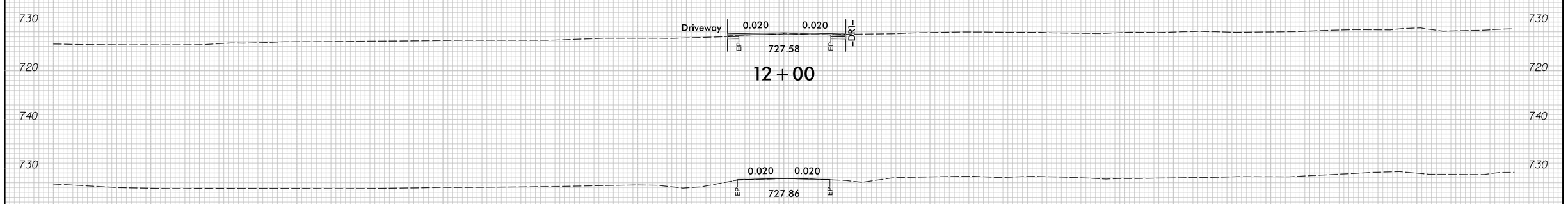
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

END CONSTRUCTION –Y5– STA. 13+04.20



13+00

12+50



12+00

BEGIN CONSTRUCTION –Y5– STA. 11+60

11+50

–Y5–

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

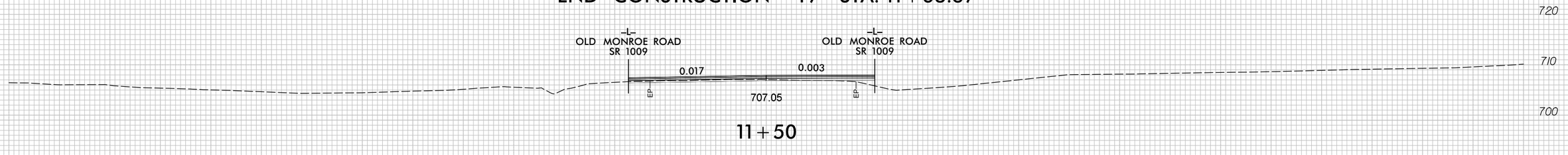
8/25/2026
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6/23/16

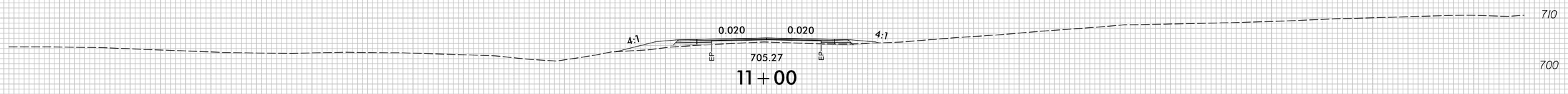
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	U-4714BA	X-34

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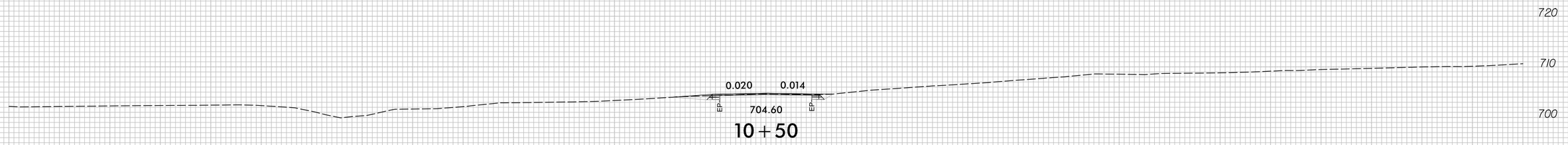
END CONSTRUCTION –Y7– STA. 11+68.37



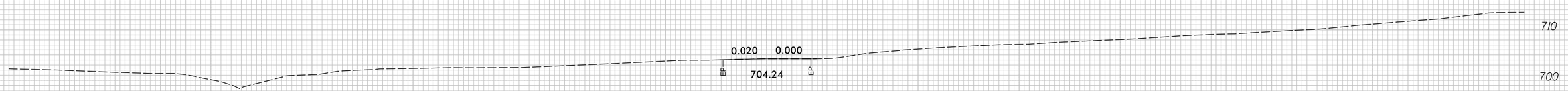
11+50



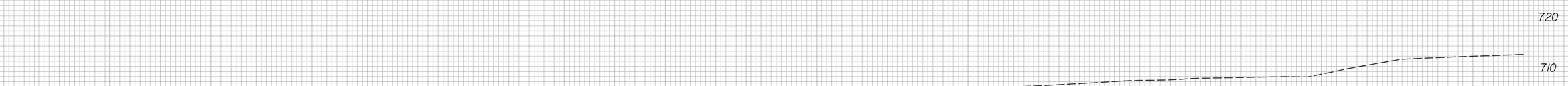
11+00



10+50



BEGIN CONSTRUCTION –Y7– STA. 10+20



10+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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cgroves

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	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

720 / 710

EP 715.00 EP 712.19 — 6:1 — 4:1

12+00

720 / 710 / 700

4:1 — 0.020 — 0.060 — EP 713.75 EP — 6:1 — 4:1

END CONSTRUCTION –Y8– STA. 11+65

720 / 710 / 700

4:1 — 0.020 — 0.051 — EP 713.21 EP — 6:1 — 4:1 — 2:1

11+50

720 / 710 / 700

4:1 — 711.01 — 0.019 — 0.019 — 710.30 — 4:1

711.36

11+00

720 / 710 / 700

OLD MONROE ROAD SR 1009 — 0.010 — 0.010 — OLD MONROE ROAD SR 1009

709.58

10+50

BEGIN CONSTRUCTION –Y8– STA. 10+38.48

–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

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R:\Roadway\CorridorModeling\Y8\U-4714BA\U-4714BA_rdy_xpl_Y8.dgn
cpowe

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	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

720 / 710

EP 715.70 EP

12 + 00

720 / 710

0.020 0.020

EP 715.19 EP

END CONSTRUCTION –Y9– STA. 11 + 80

720 / 710

0.020 0.020

EP 714.41 EP

11 + 50

700 / 720 / 710

4:1 712.34 0.020 0.020 712.34 4:1

EP 712.88 EP

11 + 00

700 / 720 / 710

OLD MONROE ROAD SR 1009 — OLD MONROE ROAD SR 1009

0.006 0.000

EP 711.40 EP

10 + 50

700

BEGIN CONSTRUCTION –Y9– STA. 10 + 41.50

–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

8/25/2026
R:\Roadway\CorridorModeling\Y9\U-4714BA\U-4714BA_rdy_xpl_Y9.dgn
cgroves

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-37

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

720 710 700

OLD MONROE ROAD
SR 1009

OLD MONROE ROAD
SR 1009

0.020 0.020

EP EP

705.90

11+50

720 710 700

4:1 705.54 0.020 0.020 705.32

EP EP

705.23

11+00

720 710 700

4:1 705.66 0.020 0.020 705.56 3:1

EP EP

705.70

10+50

720 710 700

0.034 0.024

EP EP

706.91

BEGIN CONSTRUCTION –Y10– STA. 10+00

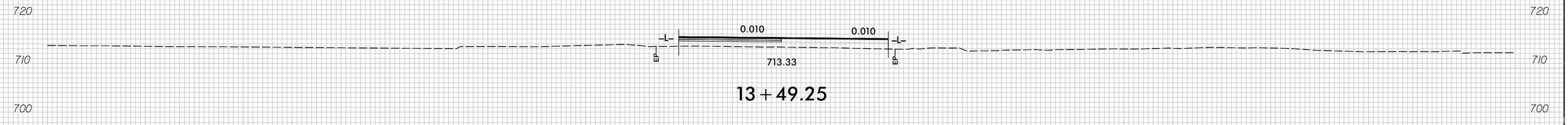
–Y10–

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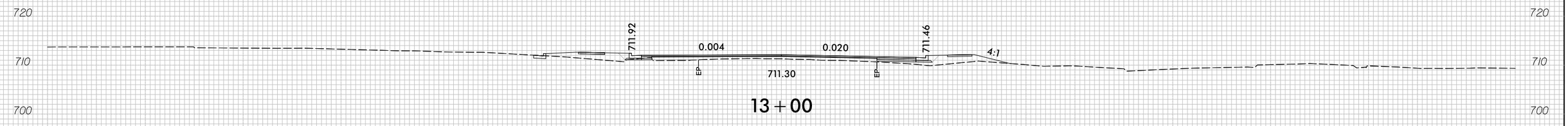
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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-38

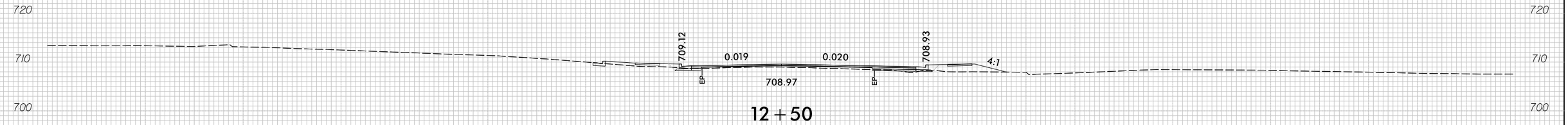
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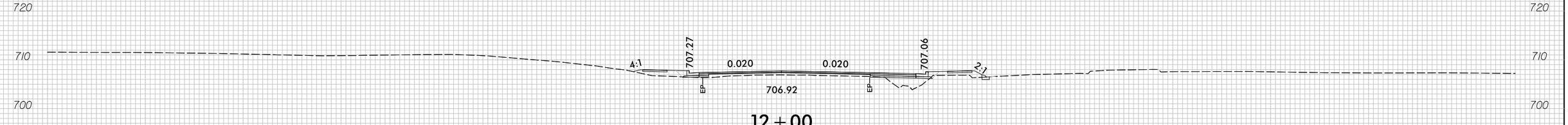
13+49.25



13+00



12+50



12+00

-Y10-

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

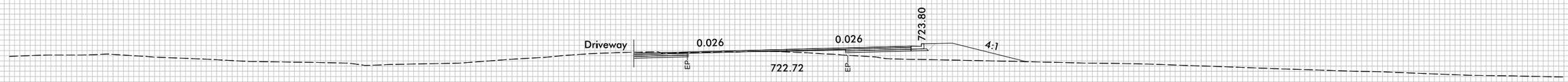
8/25/2026
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cgroves

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-39

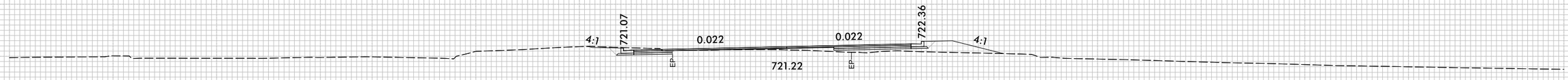
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

740
730
720
710



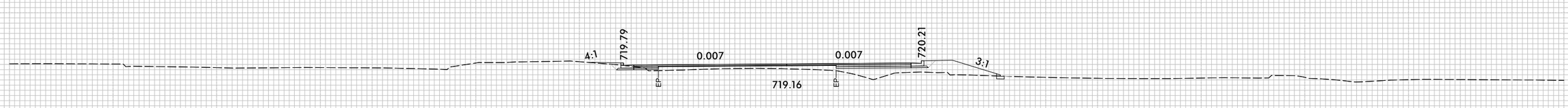
16+50

730
720
710



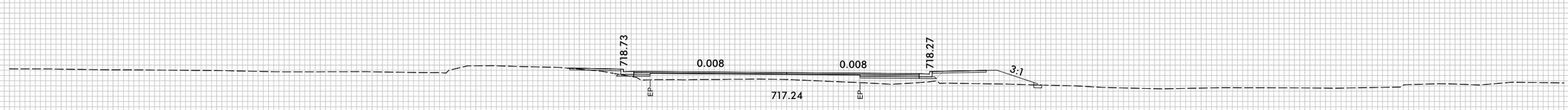
16+00

730
720
710



15+50

730
720
710



15+00

-Y10-

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

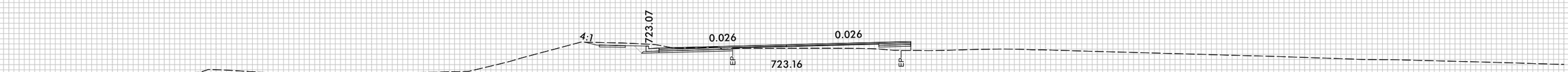
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cgroves

6/23/16

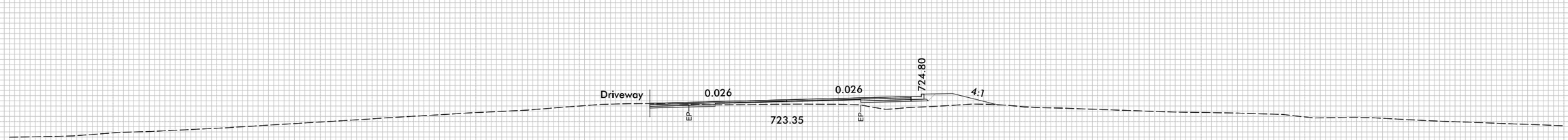
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	U-4714BA	X-40

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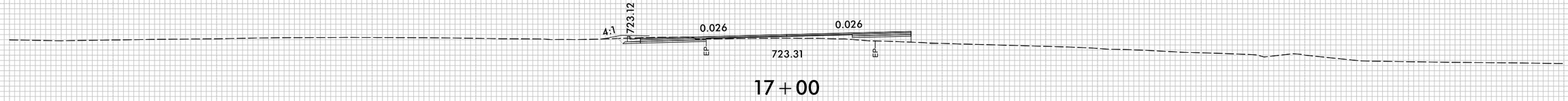
740 730 720 710



18+00



17+50



17+00

-Y10-

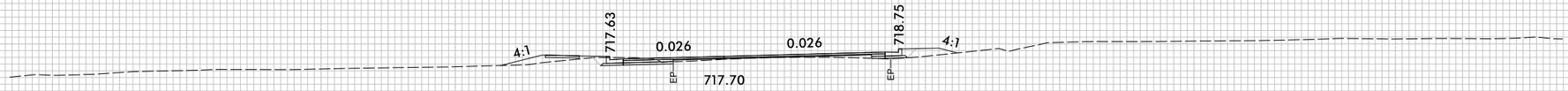
8/25/2026
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cgroves

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	X-41

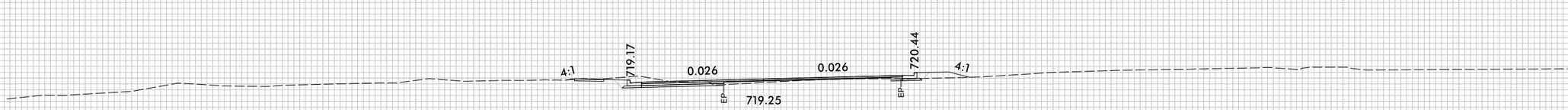
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730 720 710



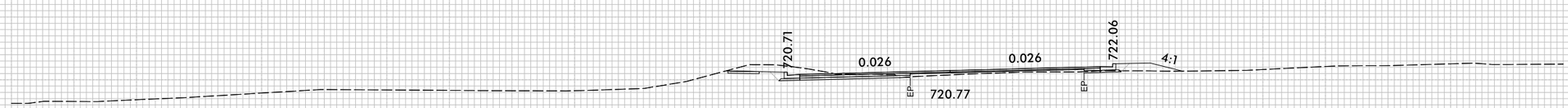
20+00

730 720 710



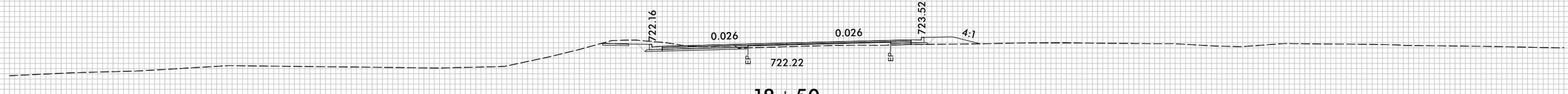
19+50

730 720 710



19+00

740 730 720 710



18+50

-Y10-

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

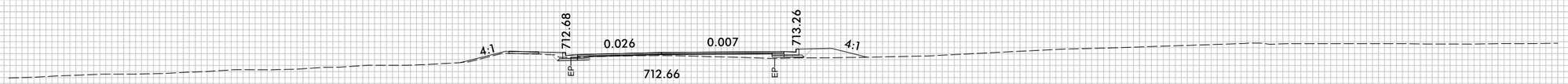
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cgroves

6/23/16

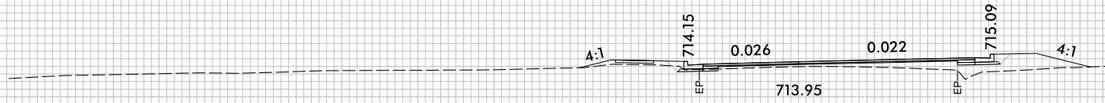
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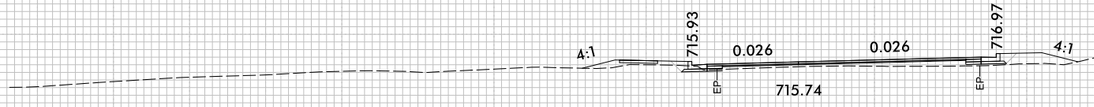
730
720
710
700



21+50



21+00



20+50

-Y10-

8/25/2026
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cgroves

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	U-4714BA	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

720 710 700

EP 711.45 EP

END CONSTRUCTION –Y10– STA. 22+50

720 710 700

4:1 711.11 0.020 0.020 EP 711.55 EP

22+40

720 710 700

4:1 711.70 0.020 0.008 711.89 4:1 EP 711.99 EP

22+00

-Y10-

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

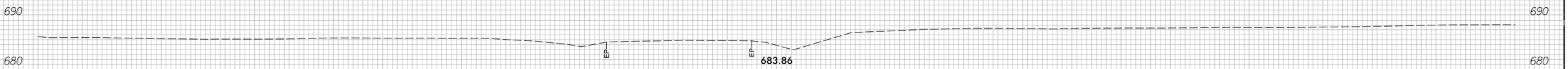
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cgroves

6/23/16

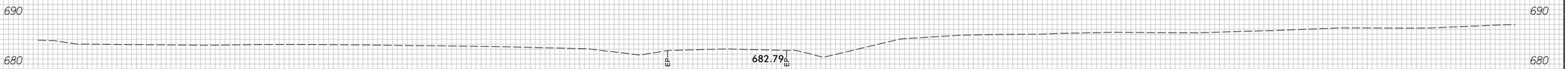
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	U-4714BA	X-44

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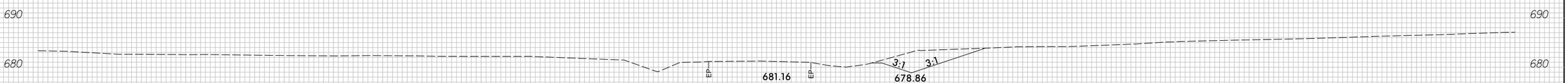
END CONSTRUCTION –Y11– STA. 12+64.49



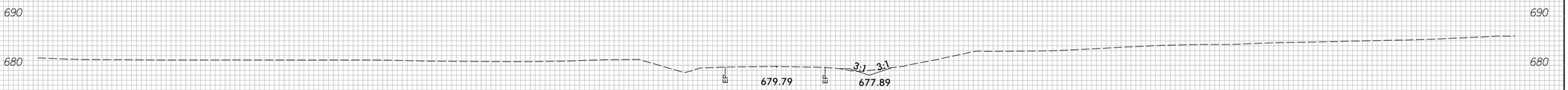
12+50



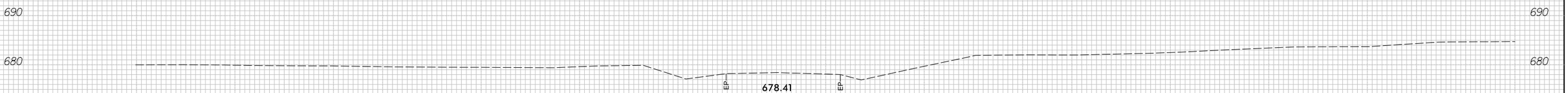
12+00



11+50



BEGIN CONSTRUCTION –Y11– STA. 11+00



10+50

–Y11–

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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