5/26/20

HN-0040

X-1

Johnson, Mirmiran, & Thompson Inc.
4700 Falls of Neuse Rd. Suite 100,
Raleigh, NC, 27609
License No: C-3097

INDEX OF SHEETS

INDEX	X–1
–L1–	X–2 THRU X–13
–Y1–	X–14 THRU X–17
–Y2–	X–18 THRU X–22
–RABT–	X–23 THRU X–25

5/26/20

STATE OF NORTH CAROLINA

HN-0040
X-1A

Johnson, Mirmiran, & Thompson Inc.
4700 Falls of Neuse Rd. Suite 100,
Raleigh, NC, 27609
License No: C-3097

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

CROSS-SECTION SUMMARY

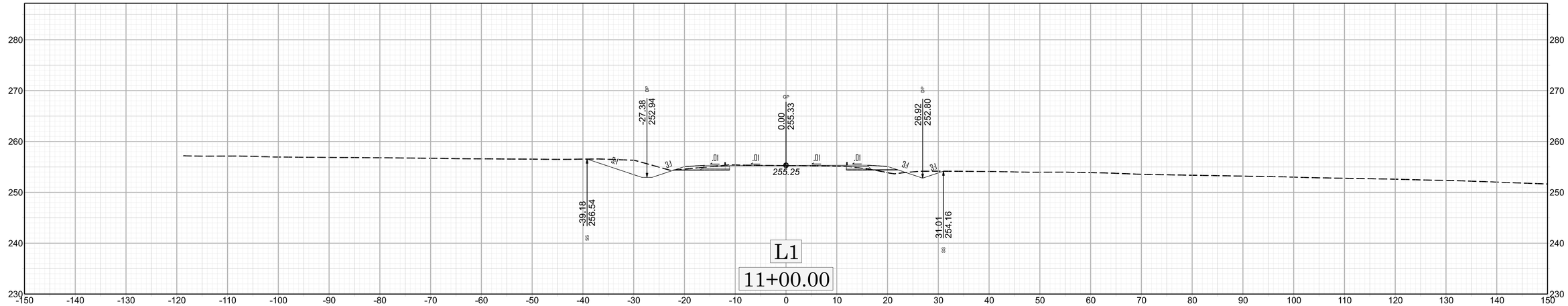
Station	Uncl. Exc	Embt
L1	(cu. yd)	(cu. yd)
10+50.00	0	0
11+00.00	50	9
11+50.00	71	13
12+00.00	88	15
12+50.00	113	9
13+00.00	133	19
13+50.00	120	29
14+00.00	96	33
14+50.00	66	15
15+00.00	34	5
15+50.00	21	18
16+00.00	29	26
16+50.00	59	25
17+00.00	37	35
17+50.00	43	38
18+00.00	54	30
20+00.00	0	0
20+50.00	112	184
21+00.00	101	101
21+50.00	103	80
22+00.00	89	59
22+50.00	47	38
23+00.00	30	33
23+50.00	37	47
24+00.00	69	35
24+50.00	74	23
25+00.00	84	28
25+50.00	99	19
26+00.00	114	9
26+50.00	114	3

Station	Uncl. Exc	Embt
Y1	(cu. yd)	(cu. yd)
10+50.00	0	0
11+00.00	53	17
11+50.00	71	29
12+00.00	97	36
12+50.00	119	34
13+00.00	119	39
13+50.00	130	24
14+00.00	148	17
14+50.00	130	6

Station	Uncl. Exc	Embt
Y2	(cu. yd)	(cu. yd)
10+50.00	0	0
11+00.0	25	137
11+50.00	0	103
12+00.00	18	54
12+50.00	79	5
13+00.00	83	1
13+50.00	45	3
14+00.00	30	10
14+50.00	17	6
15+00.00	13	4
15+50.00	16	4
16+00.00	18	1

Station	Uncl. Exc	Embt
RABT	(cu. yd)	(cu. yd)
10+00.00	5	289
10+50.00	0	311
11+00.00	89	299
11+50.00	0	268
12+00.00	4	150
12+50.00	39	65
13+00.00	28	83
13+50.00	79	203

Approximate quantities only. Borrow excavation, fine grading, clearing and grubbing, and removal of existing pavement will be paid for at the lump sum price for "Grading".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SS
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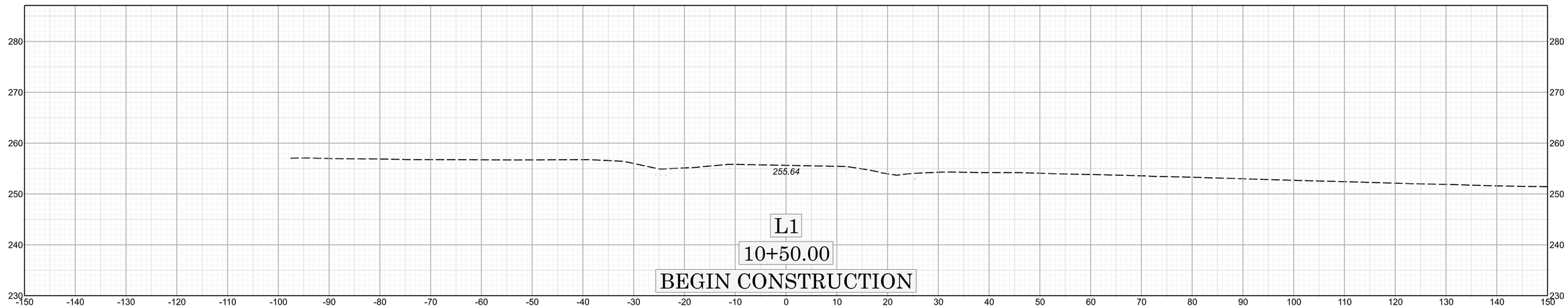
L1
11+00.00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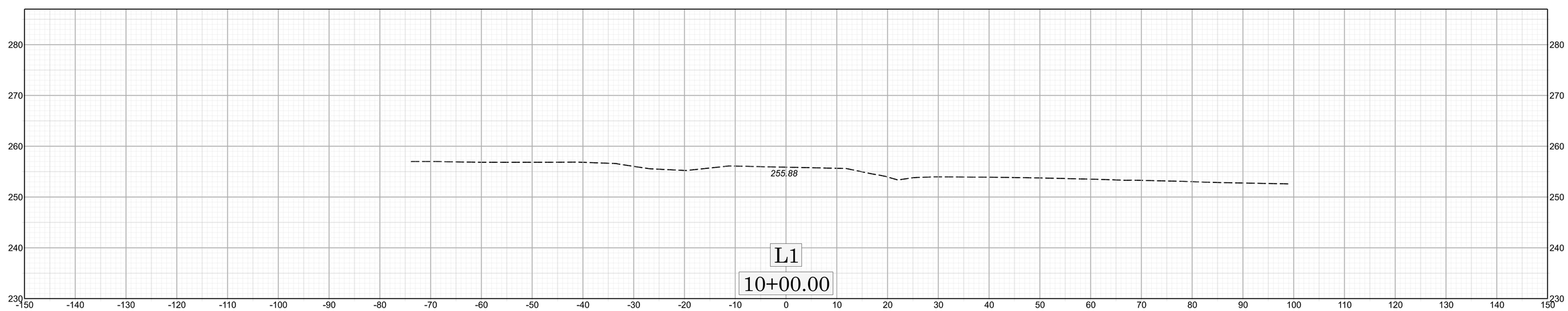
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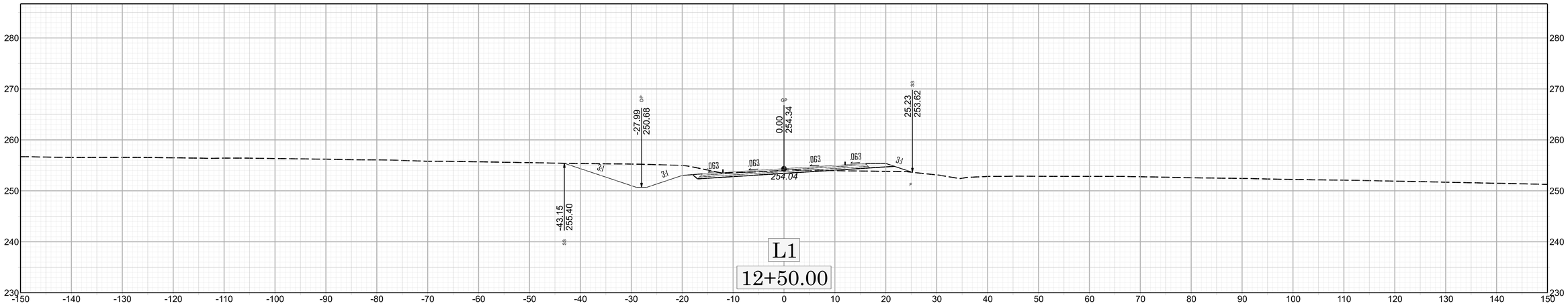
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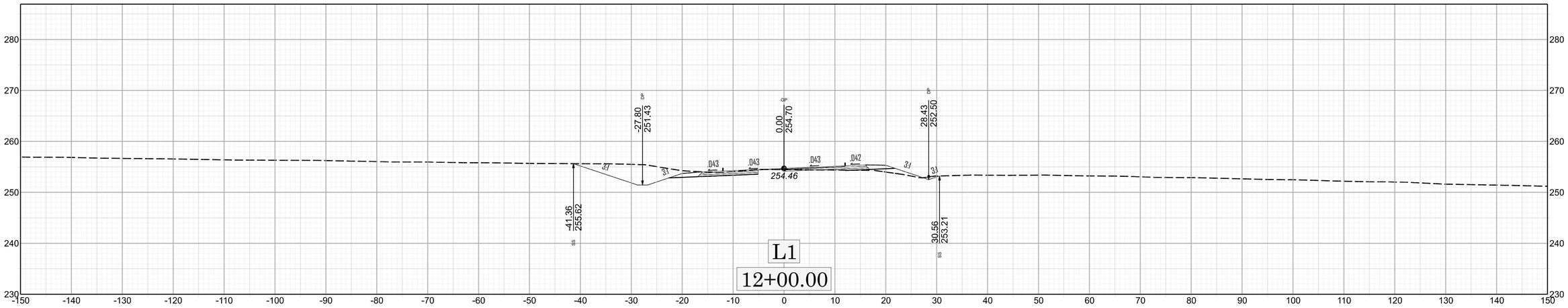
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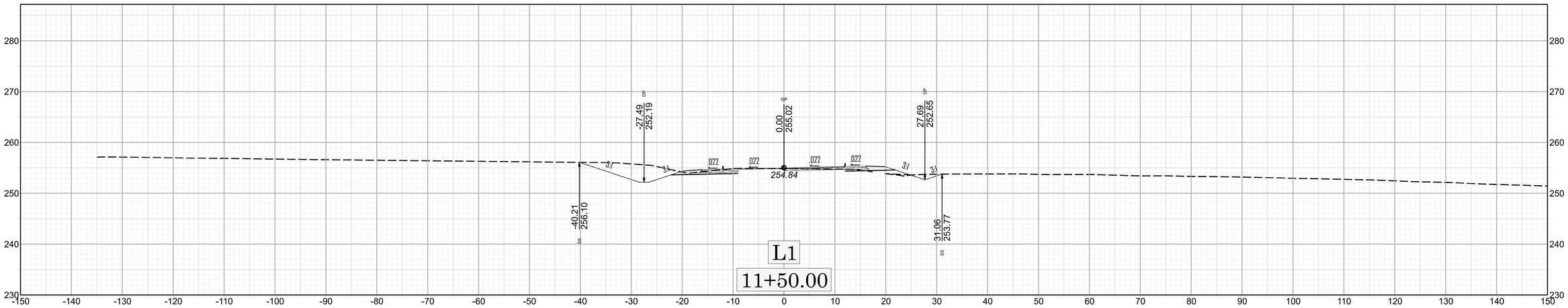
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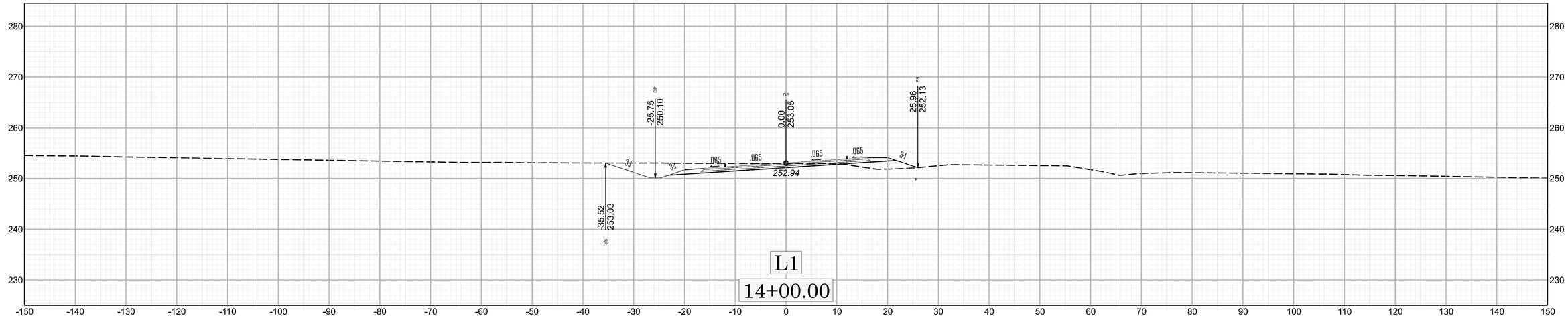
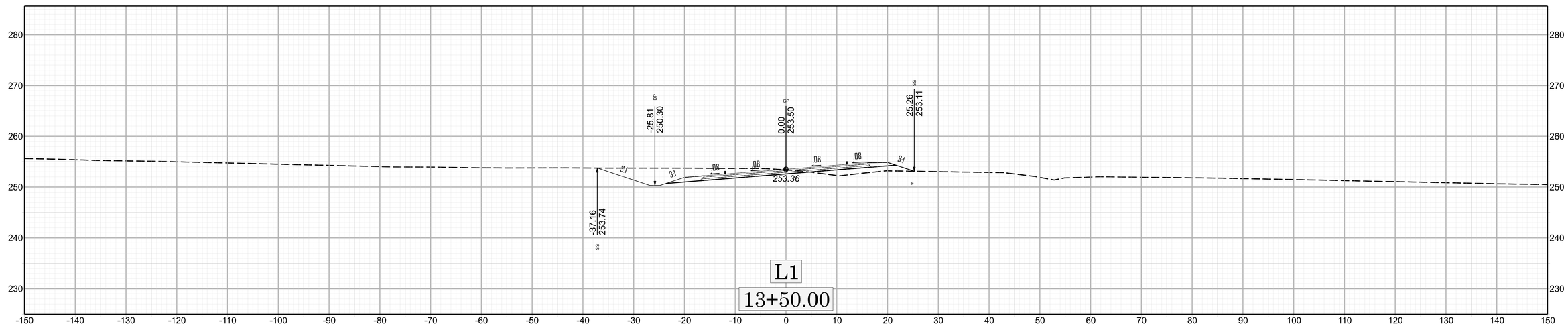
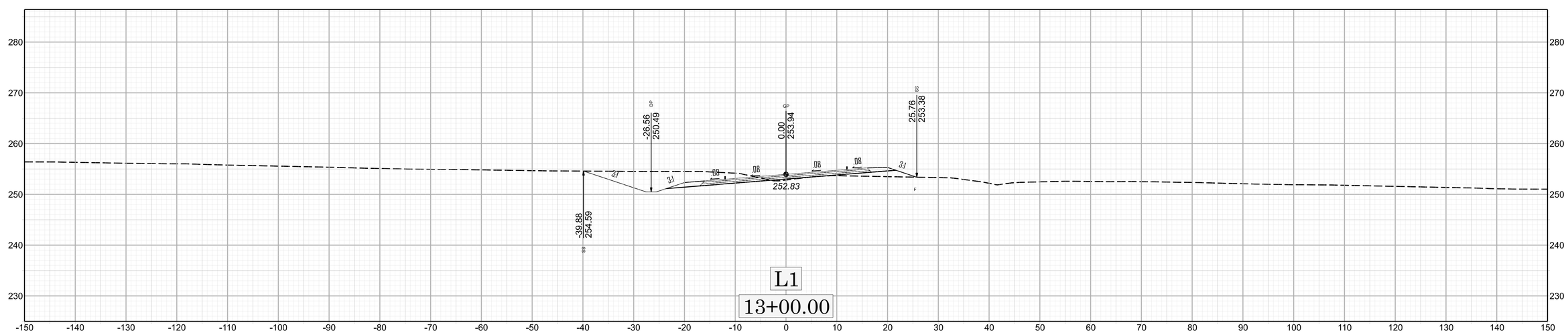
11+50.00







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4
X

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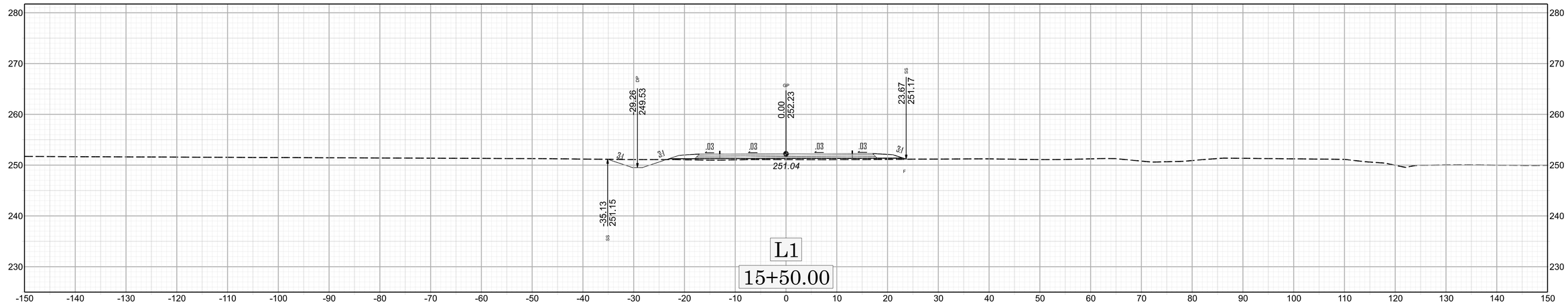
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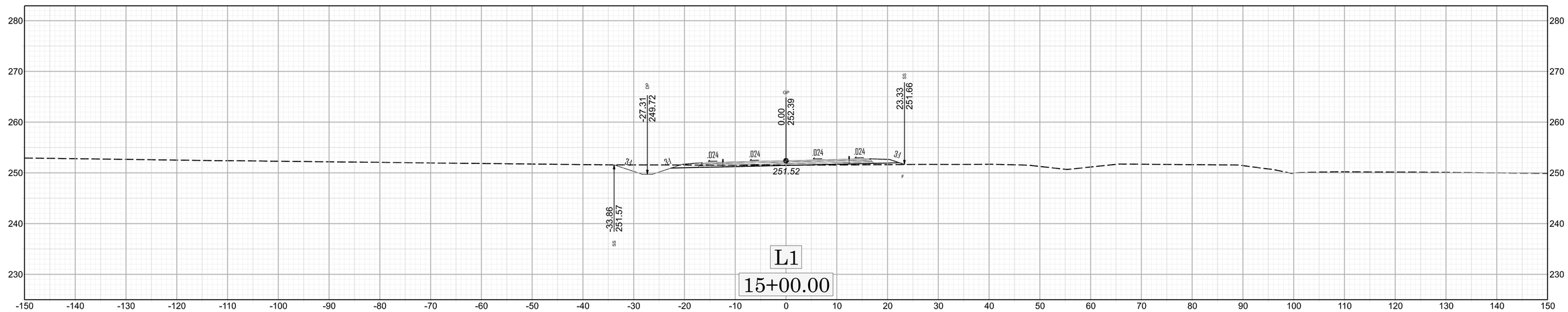
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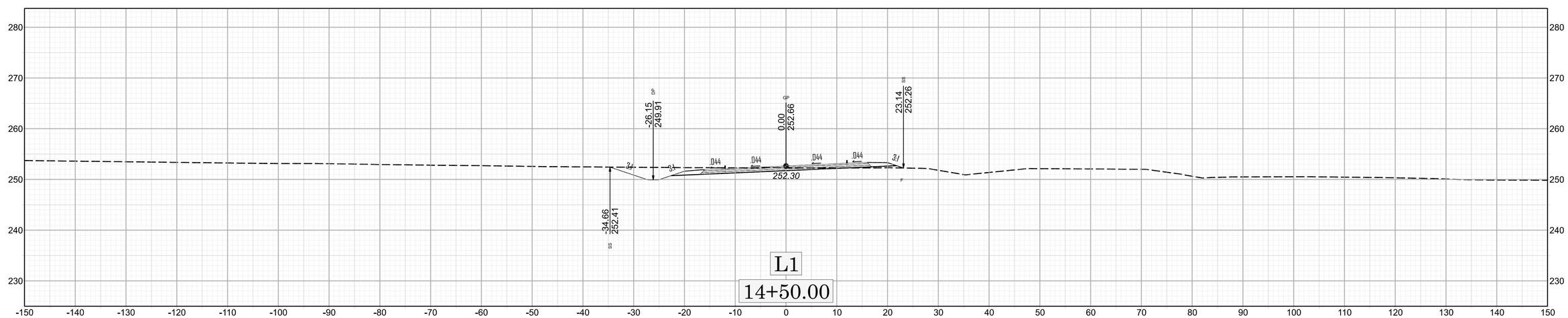
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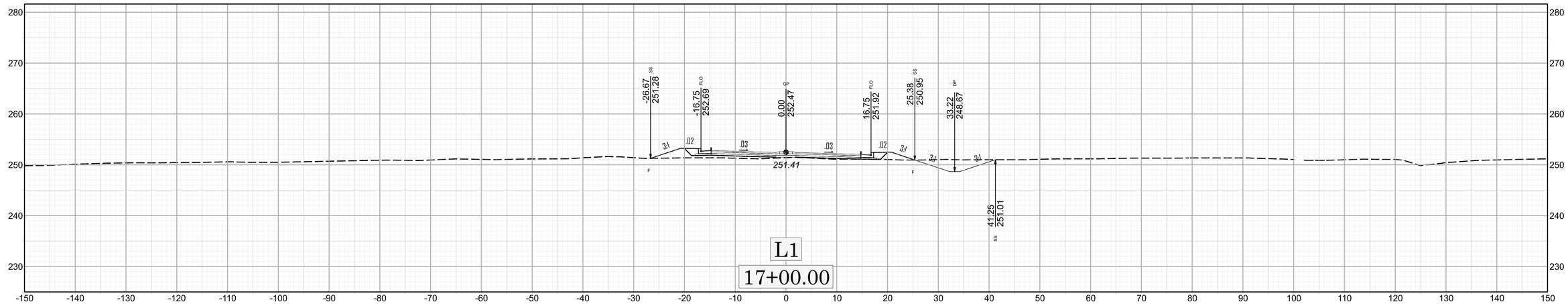
X 5

HN-0040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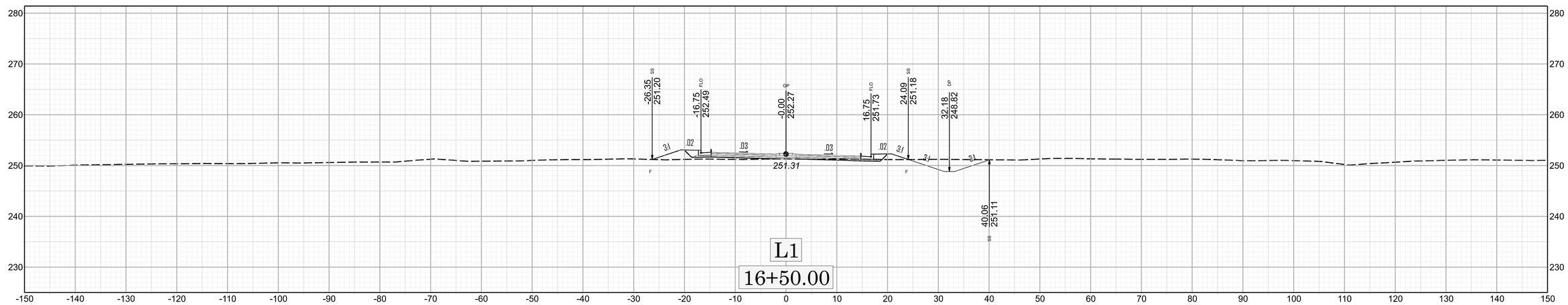
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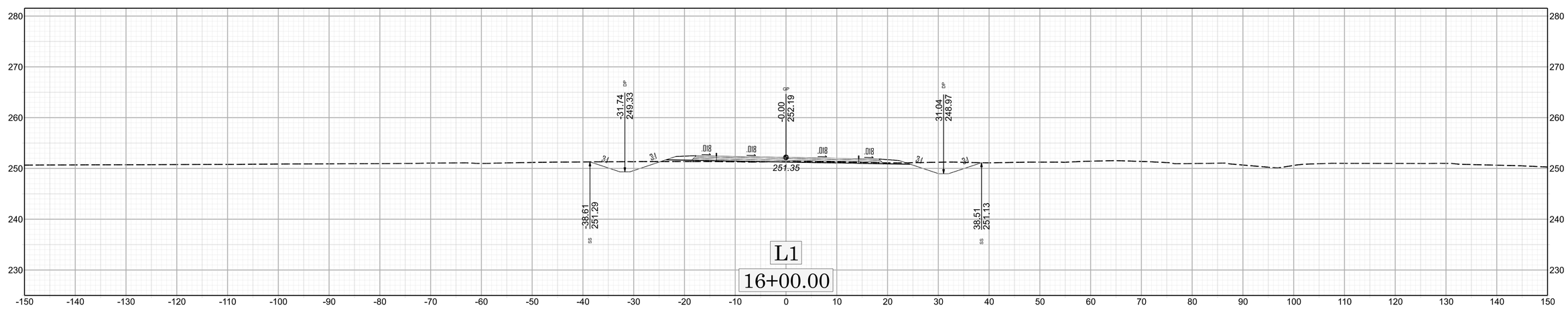
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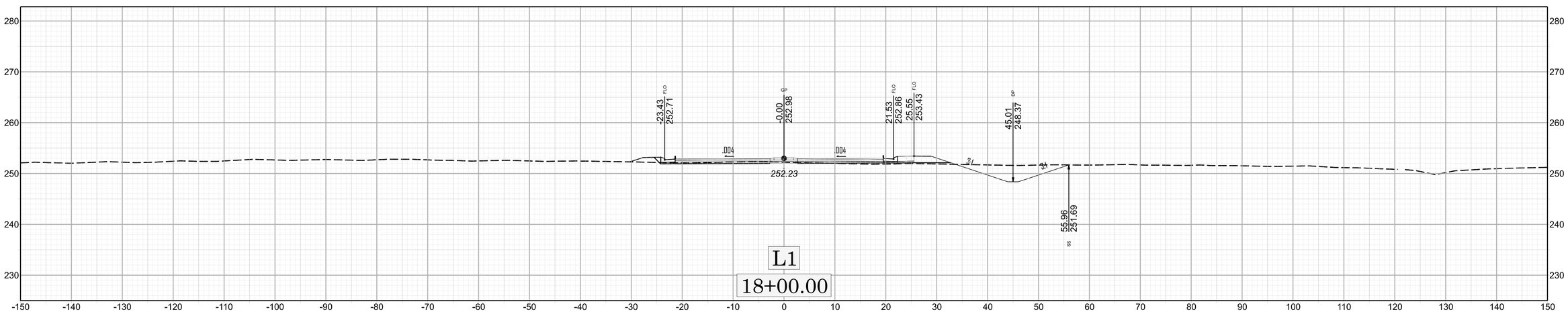
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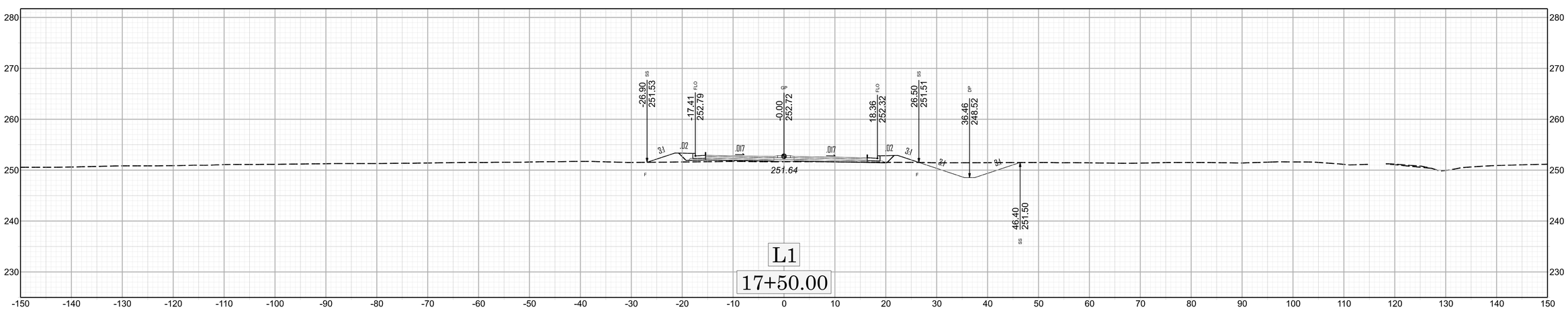
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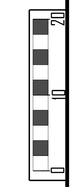
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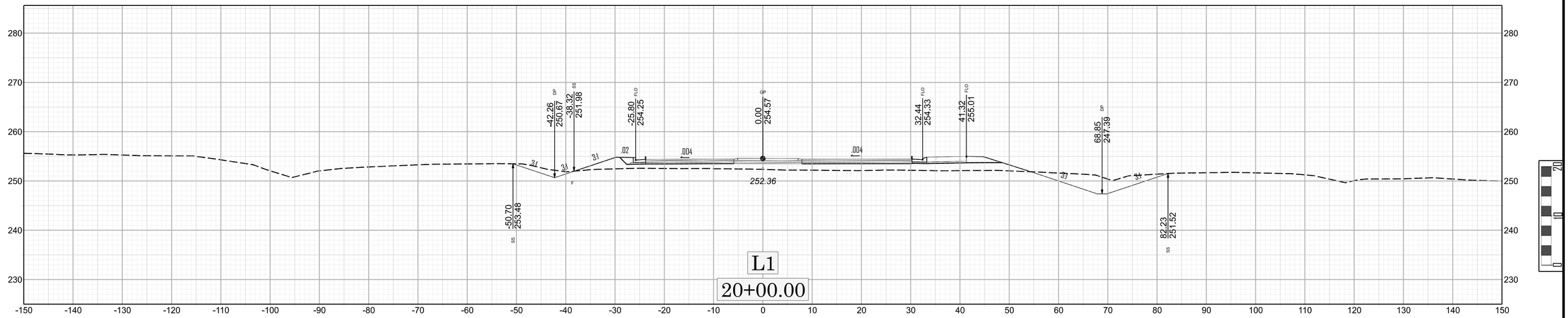
HN-0040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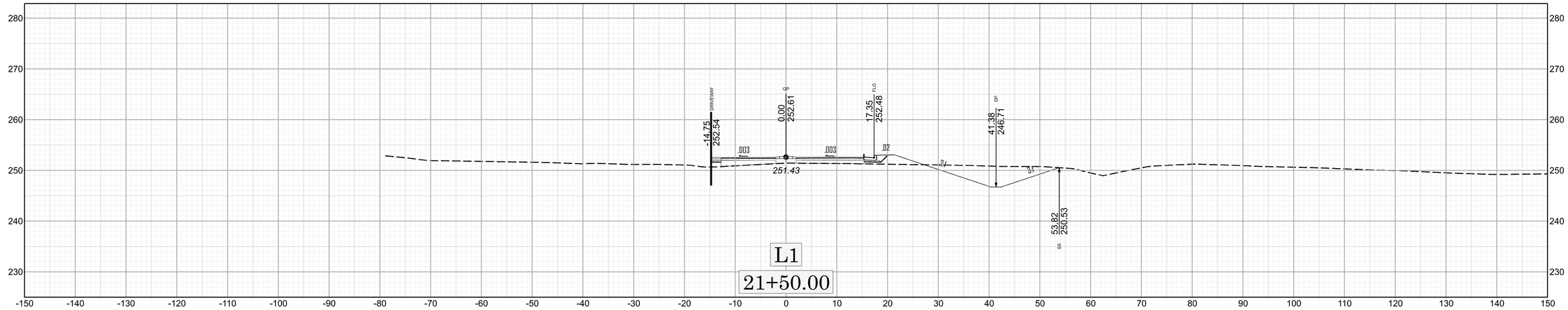
HN-0040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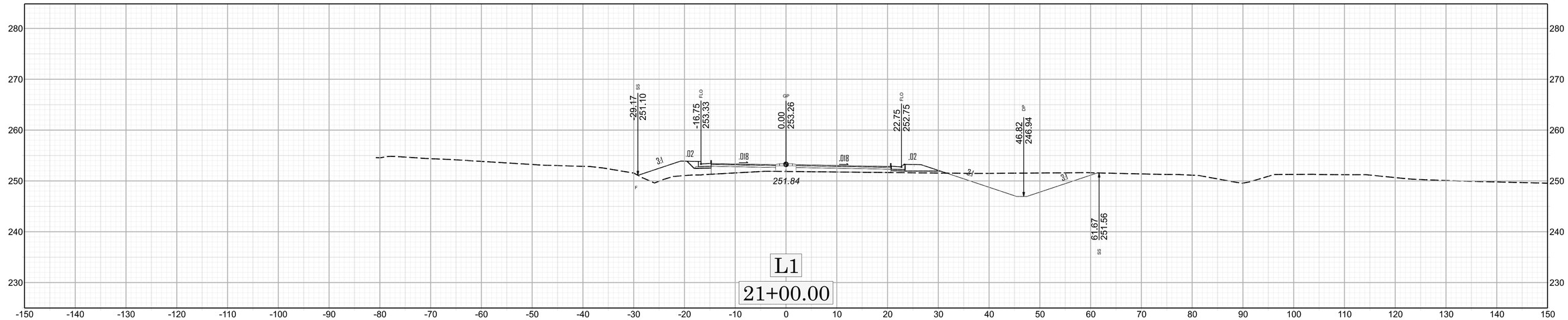
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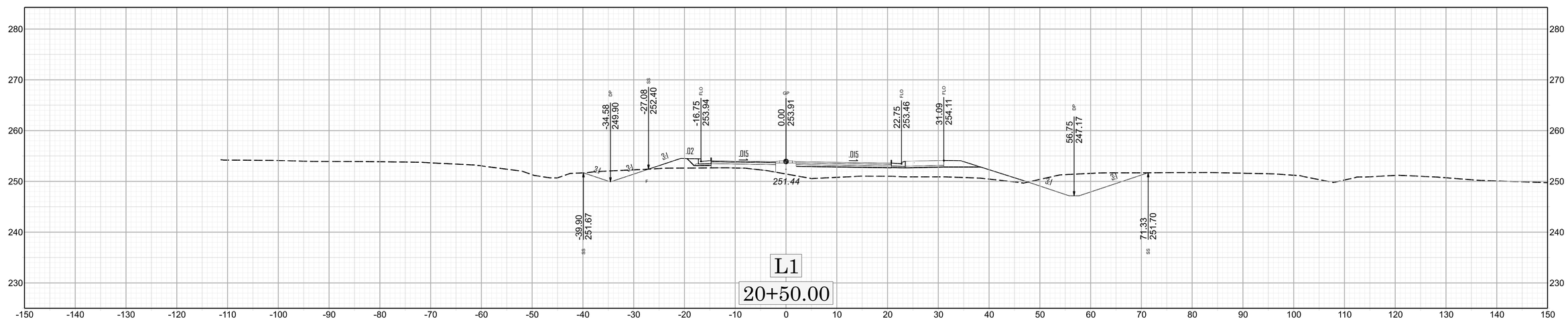
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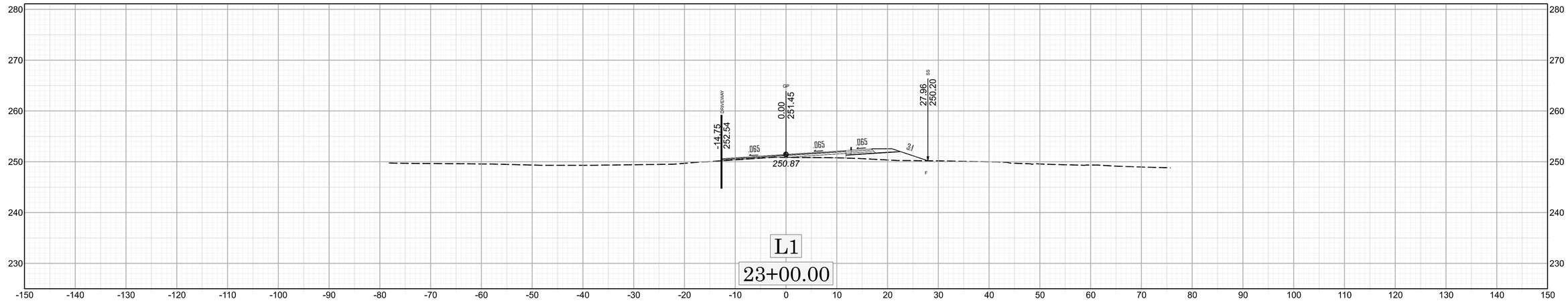
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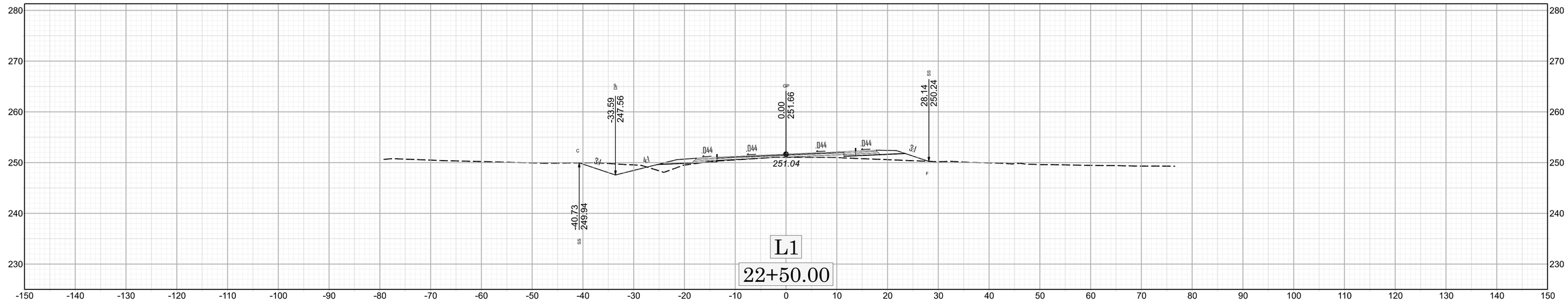
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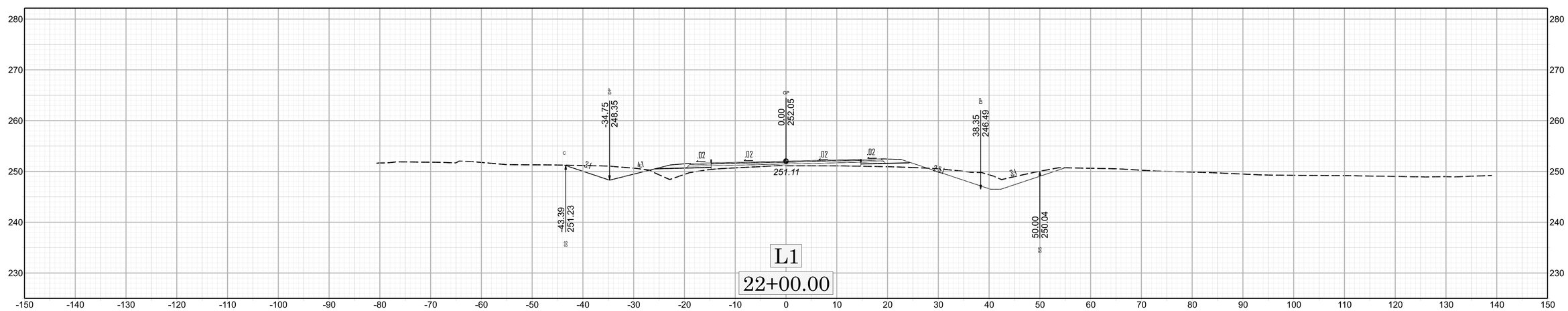
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2:5:1
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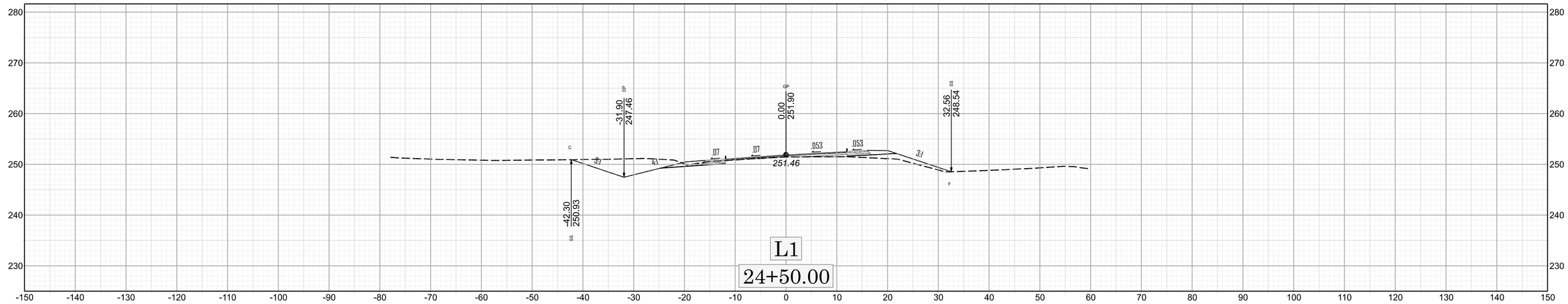
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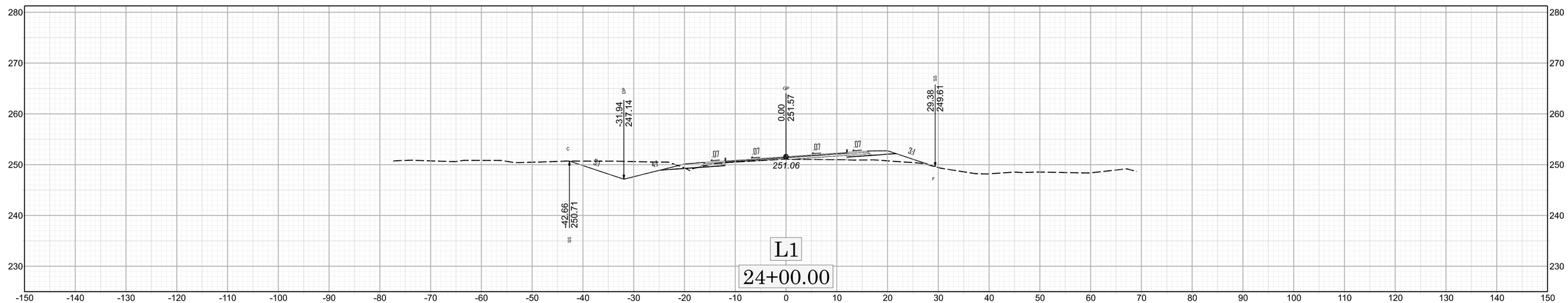
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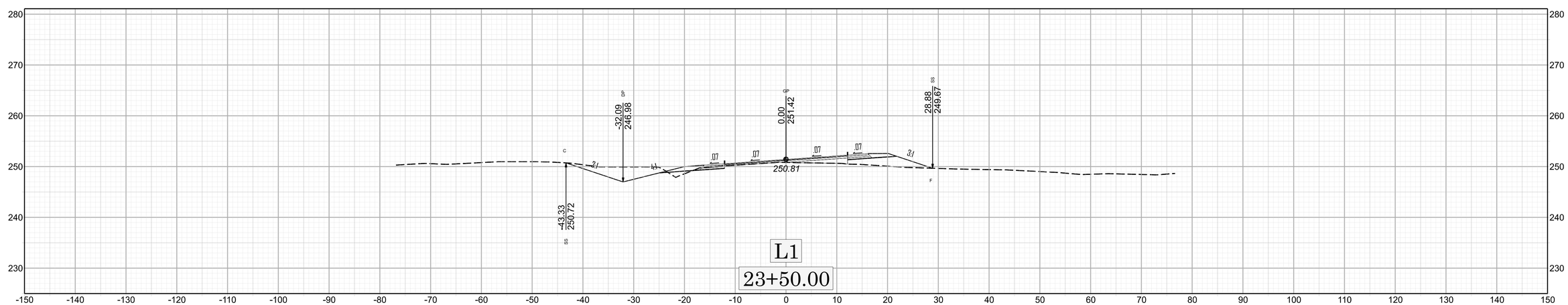
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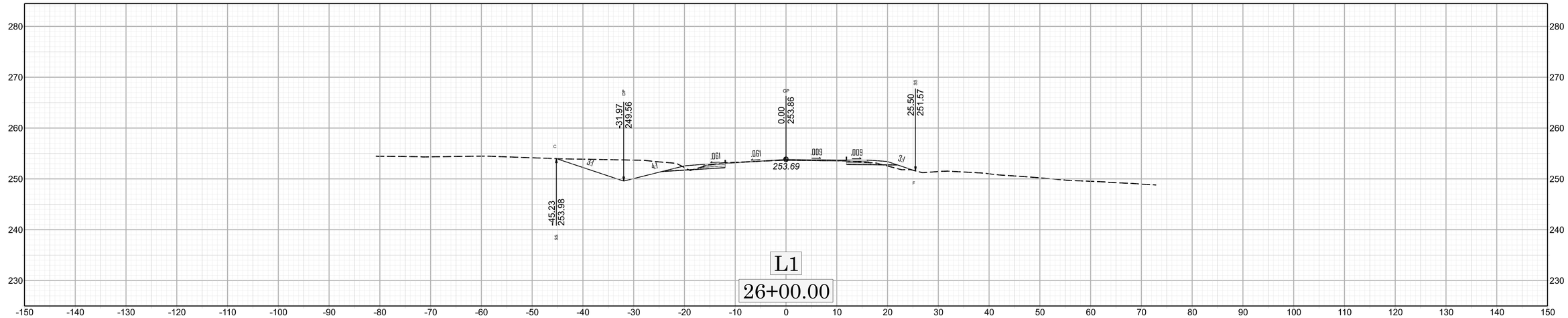
HN-0040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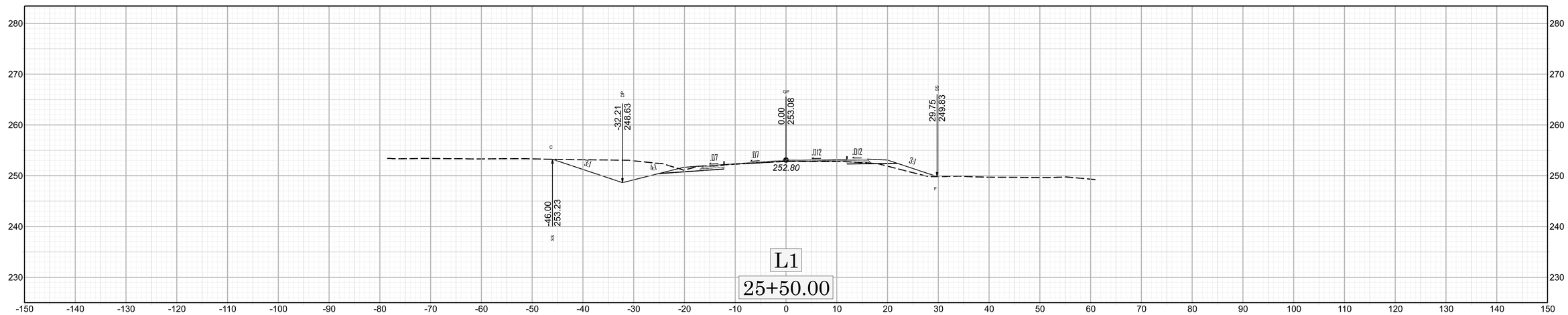
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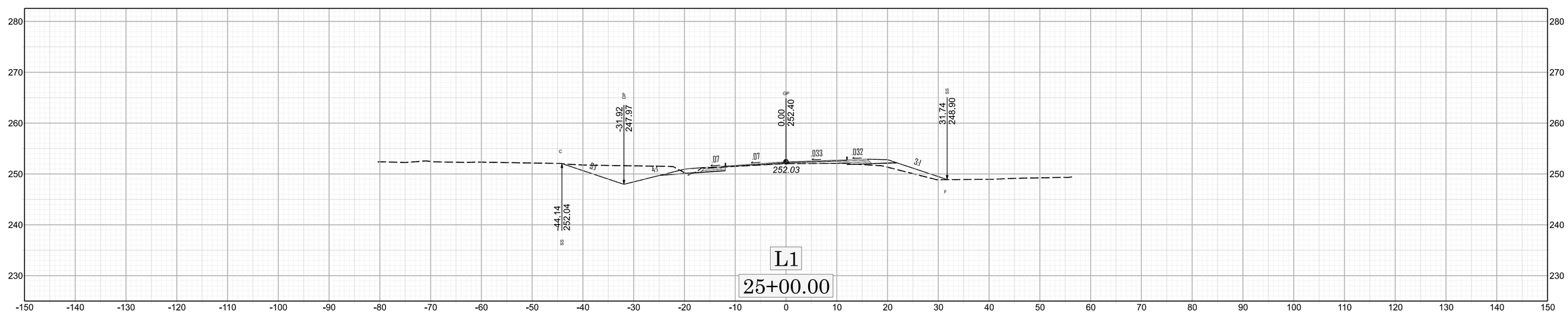
L1
25+50.00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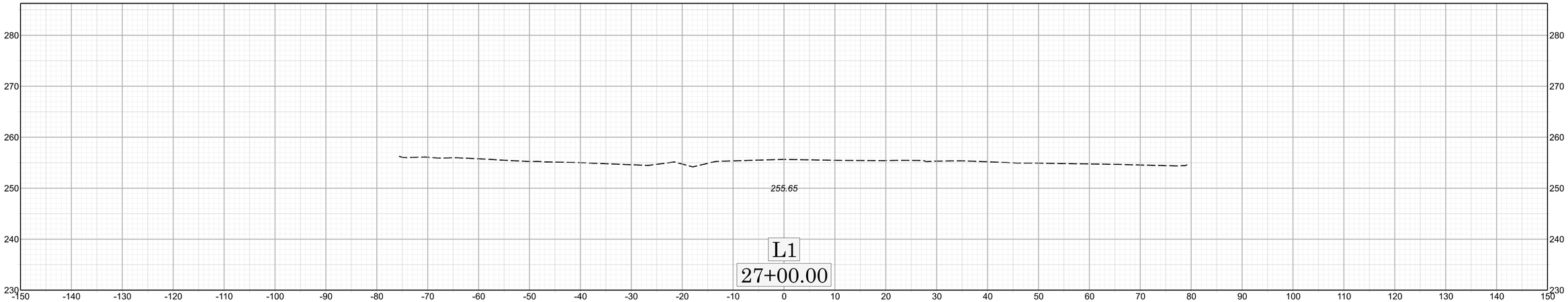
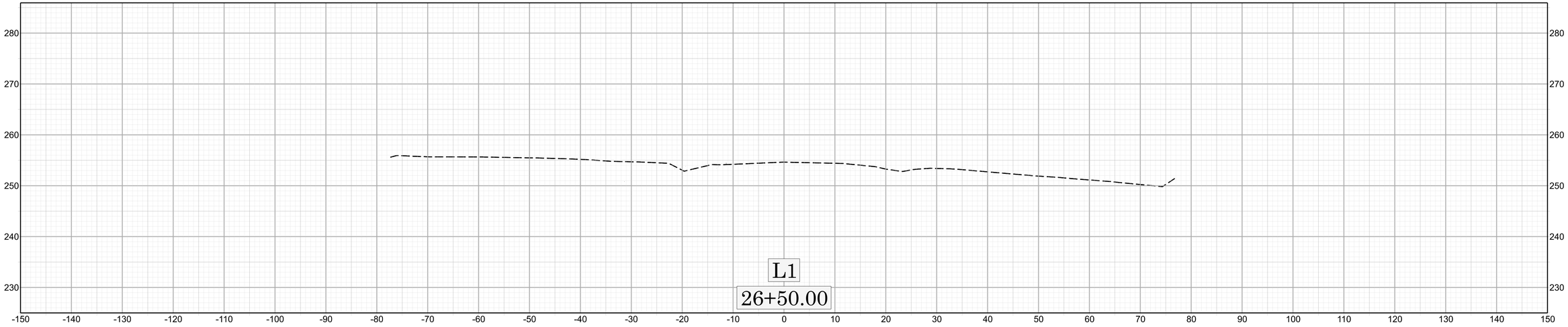
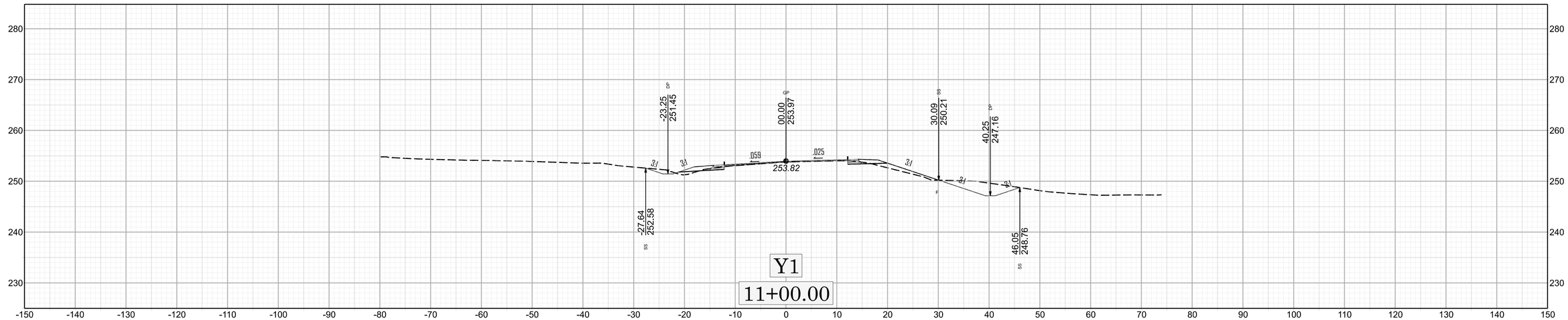
247.97
DP
0.00
252.40
GP
31.74
248.90
SS
C
3:1
4:1
.07
.07
.033
.032
3:1
252.03
F
-44.14
252.04
SS
L1
25+00.00





END CONSTRUCTION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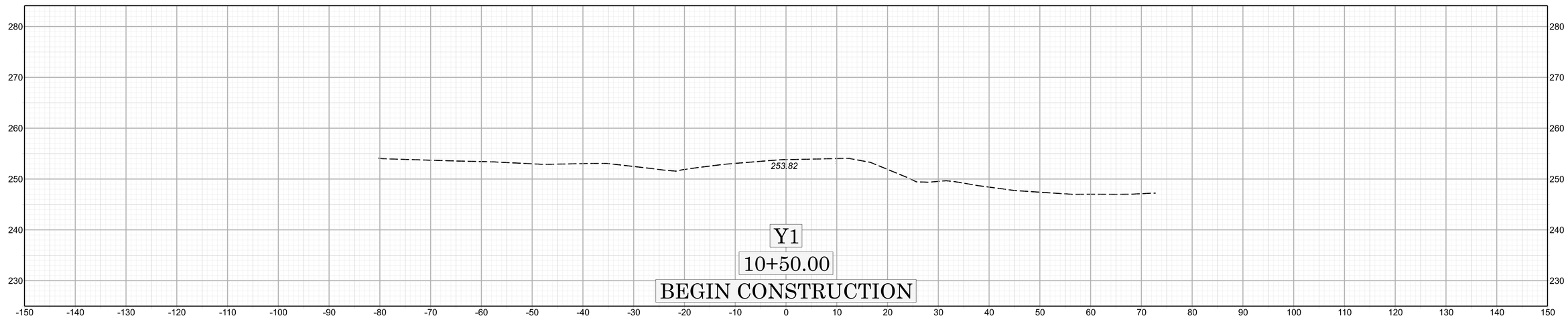
DP
00.00
253.97
G
30.09
250.21
SS
40.25
247.16
DP
-27.64
252.58
SS
46.05
248.76
SS
3:1
3:1
.059
.025
253.82
3:1
3:1
4:1
Y1
11+00.00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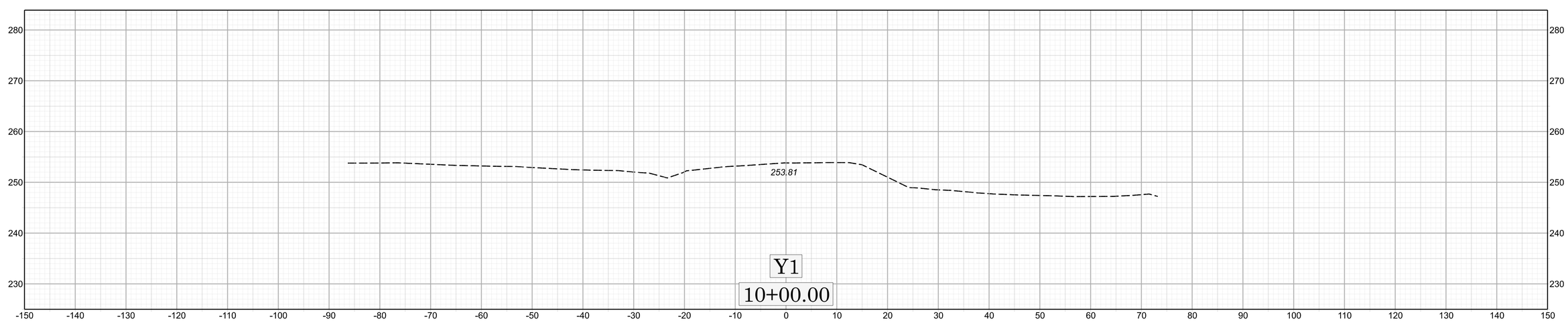
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Y1
10+00.00

14

X

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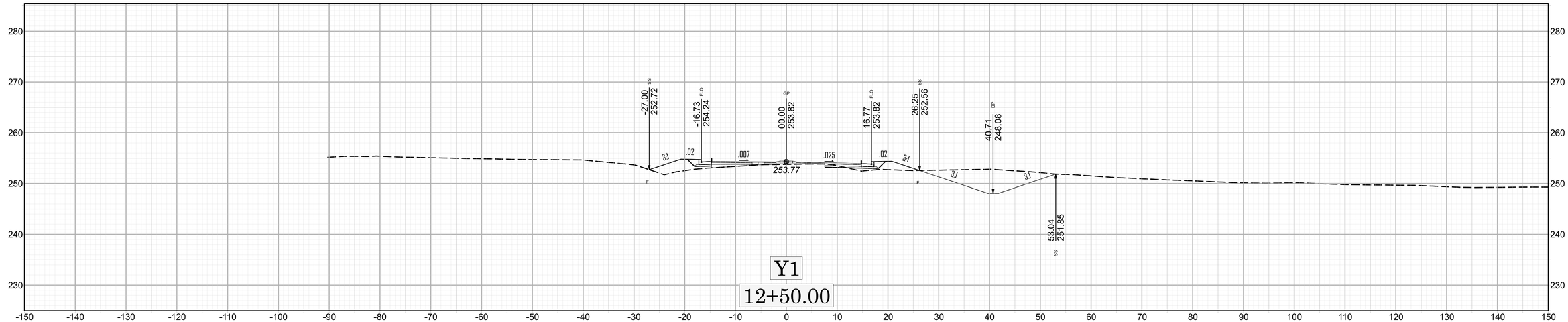
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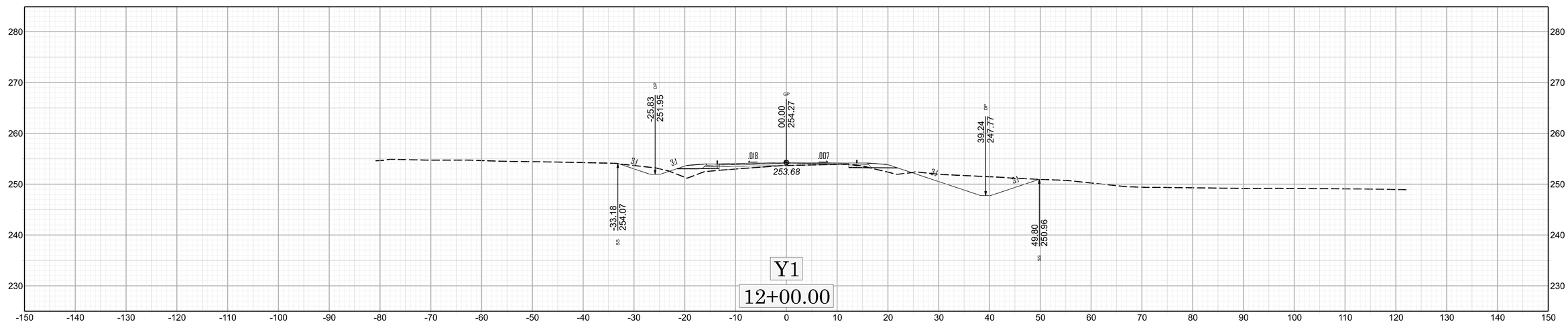
252.72
-16.73
254.24
00.00
253.82
16.77
253.82
26.25
252.56
40.71
248.08
53.04
251.85
3:1
.02
.007
.025
.02
253.77
Y1
12+50.00


-25.83
251.95
00.00
254.27
39.24
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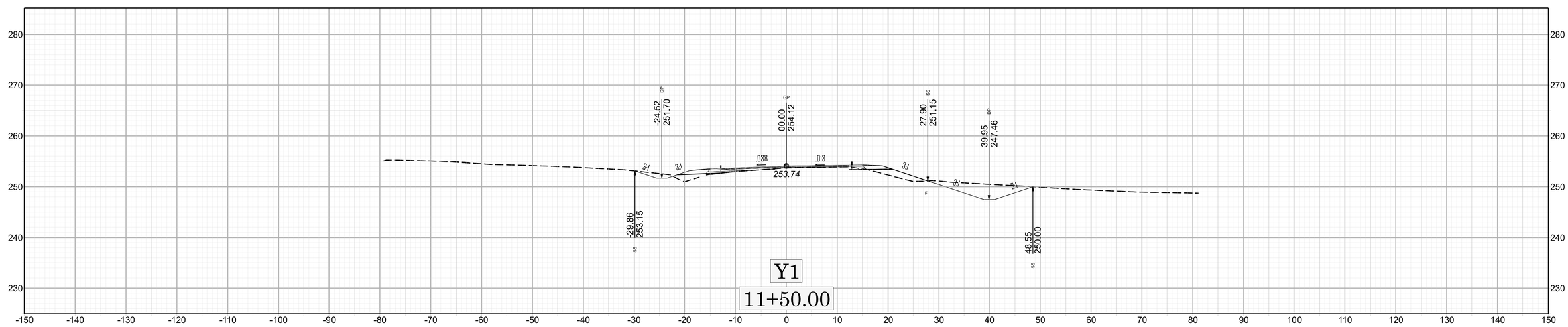
-33.18
254.07
49.80
250.96
3:1
.018
.007
253.68
Y1
12+00.00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00.00
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27.90
251.15
39.95
247.46
-29.86
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48.55
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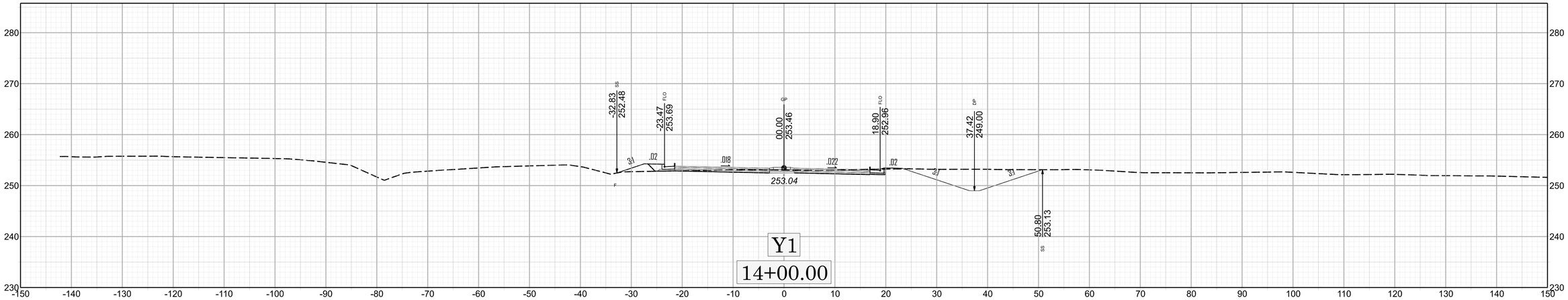
3:1
.010
.013
253.74
Y1
11+50.00

X 15

HN-0040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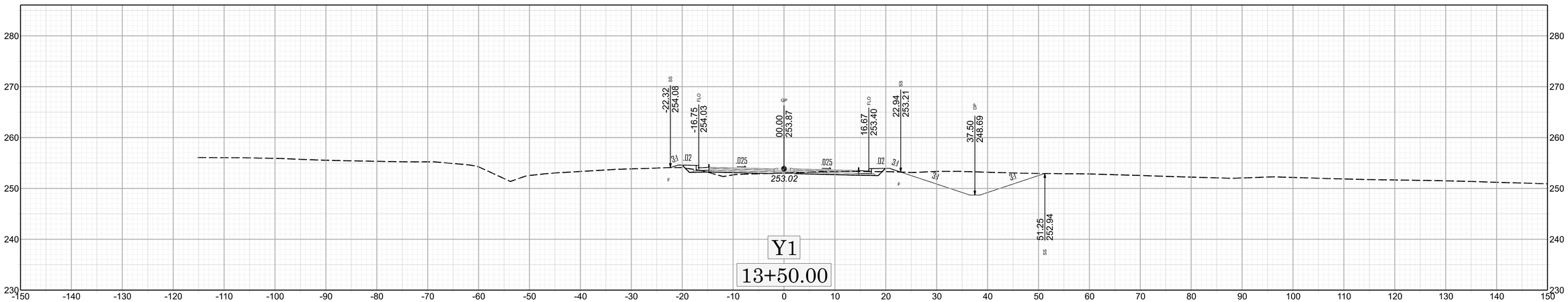
252.48
SS
-23.47
253.69
FLO
00.00
253.46
GP
18.90
252.96
FLO
37.42
249.00
DP
50.80
253.13
SS
3:1
.02
.018
.022
.02
253.04
Y1
14+00.00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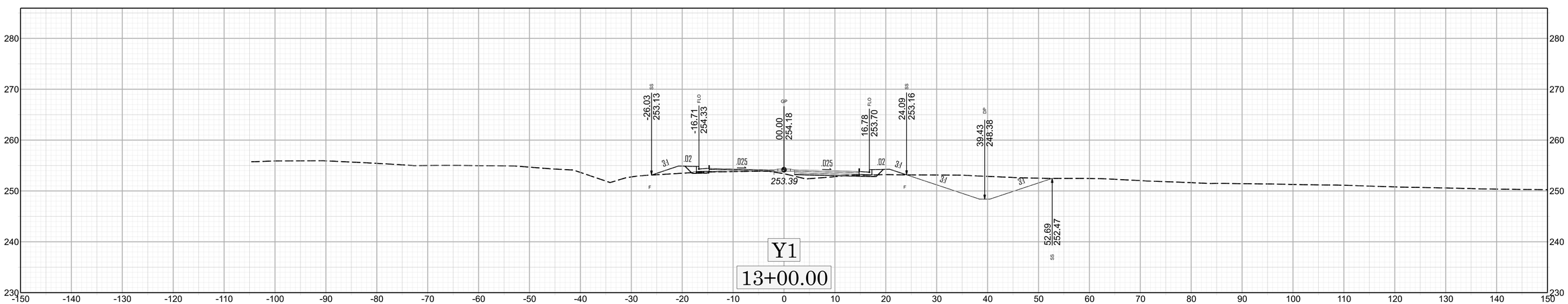
254.08
SS
-16.75
254.03
FLO
00.00
253.87
GP
16.67
253.40
FLO
22.94
253.21
SS
37.50
248.69
DP
51.25
252.94
SS
3:1
.02
.025
.025
.02
253.02
Y1
13+50.00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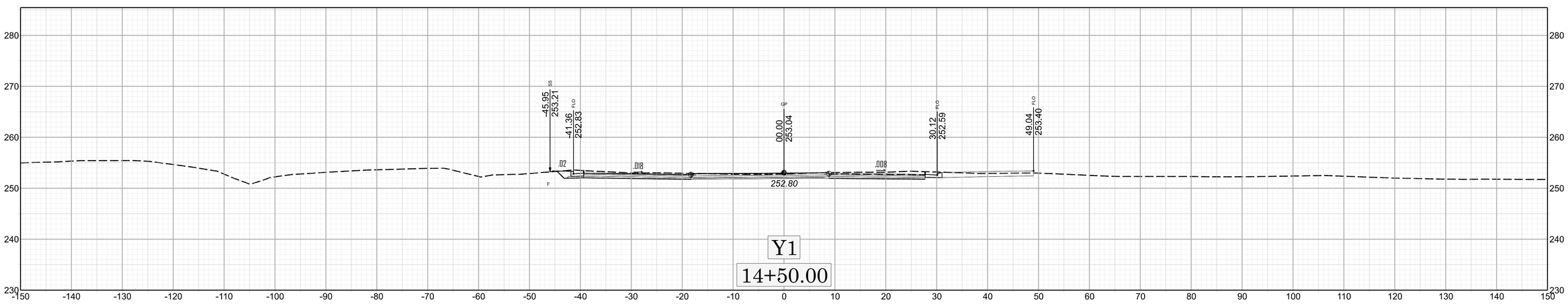
253.13
SS
-16.71
254.33
FLO
00.00
254.18
GP
16.78
253.70
FLO
24.09
253.16
SS
39.43
248.36
DP
52.69
252.47
SS
3:1
.02
.025
.025
.02
253.39
Y1
13+00.00

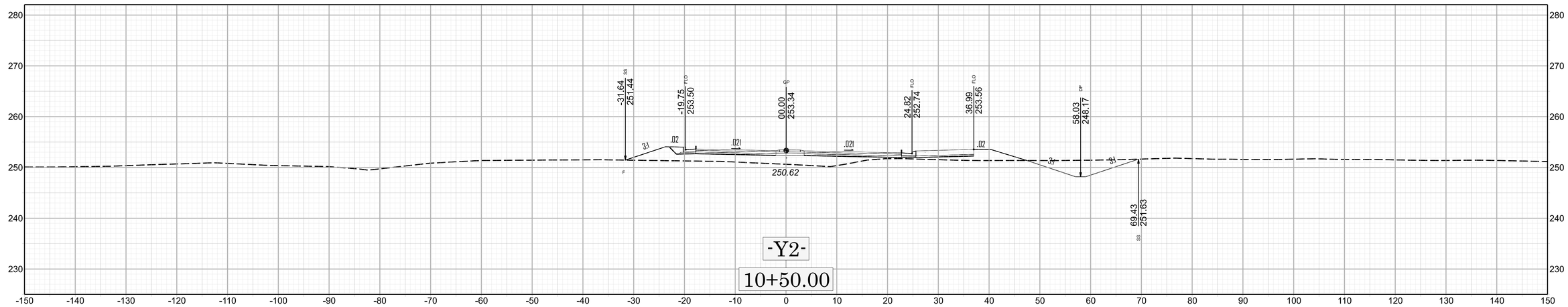


0 10 20

17

X

HN-0040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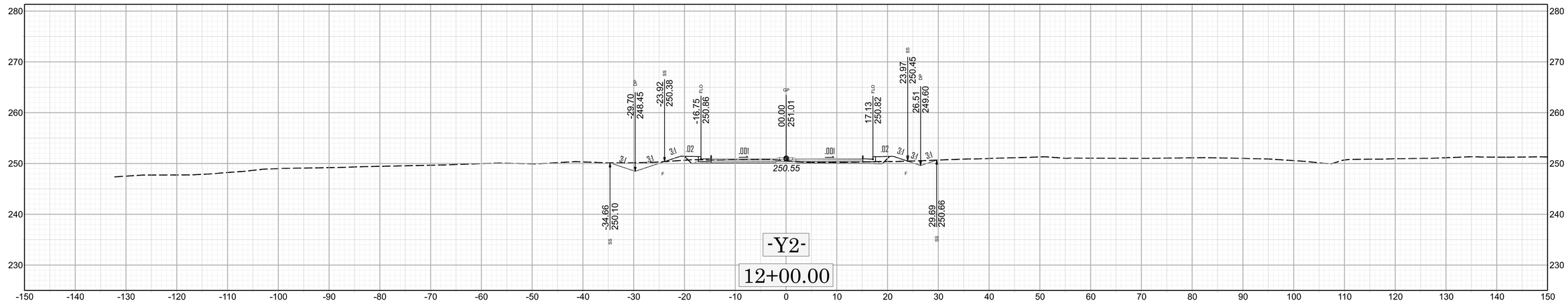
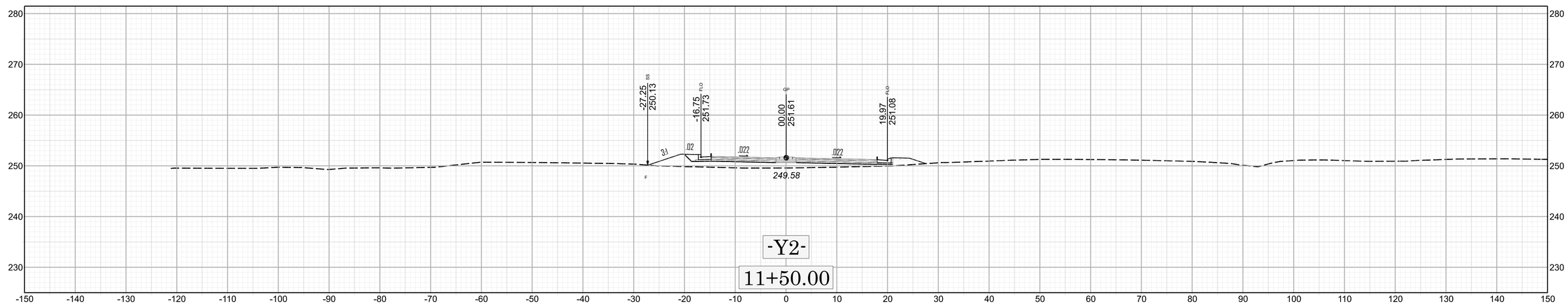
SS
-19.75
253.50
FLO
00.00
253.34
℄
24.82
252.74
FLO
36.99
253.56
FLO
58.03
248.17
DP
69.43
251.63
SS
F
3:1
.02
.021
.021
.02
3:1
3:1
250.62
-Y2-
10+50.00


-29.70
248.45
DP
-23.92
250.38
SS
-16.75
250.86
FLO
00.00
251.01
℄
17.13
250.82
FLO
23.97
250.45
SS
26.51
249.60
DP
-34.66
250.10
SS
29.69
250.66
SS
3:1
.02
.001
.001
.02
3:1
3:1
3:1
F
F
250.55
-Y2-
12+00.00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250.13
SS
-16.75
251.73
FLO
00.00
251.61
℄
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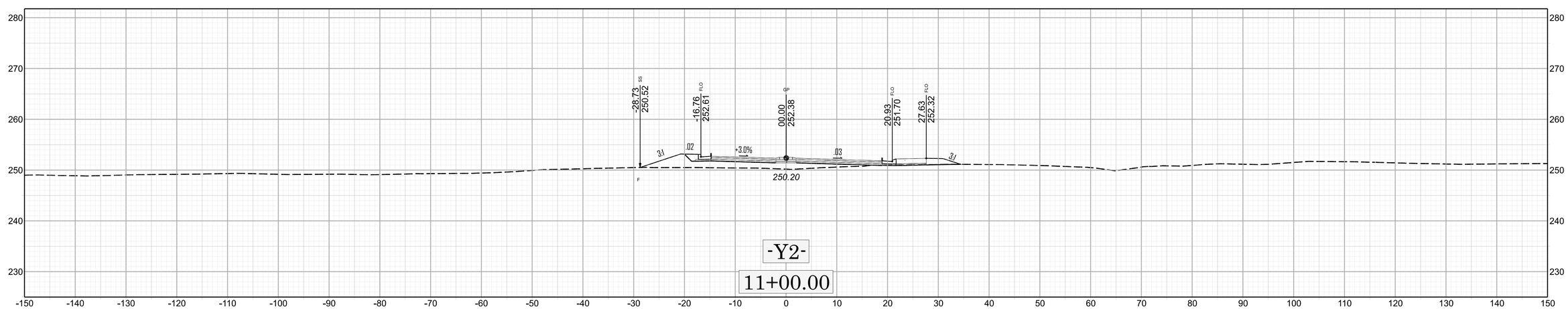
251.08
FLO
3:1
.02
.022
.022
F
249.58
-Y2-
11+50.00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SS
-16.76
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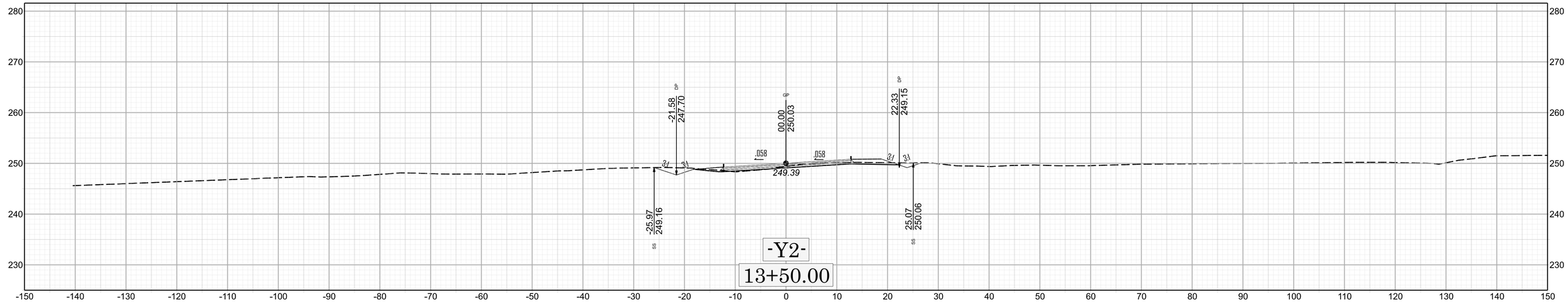
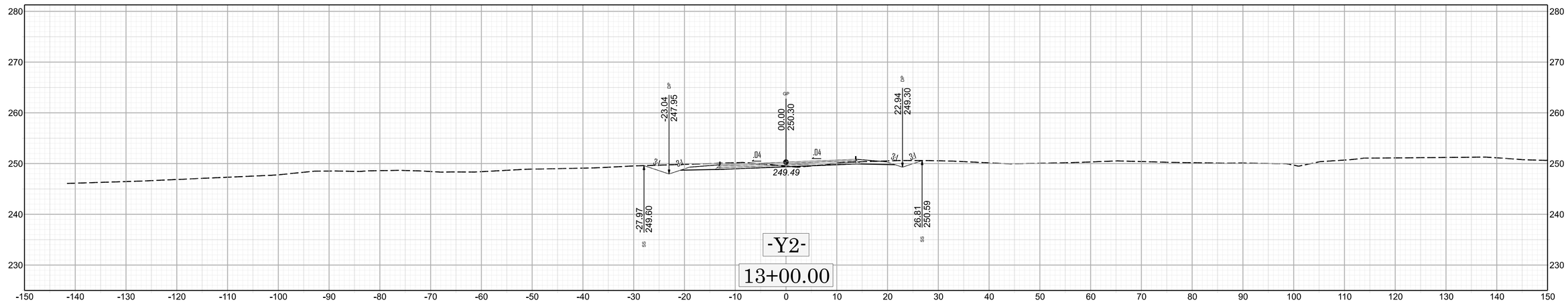
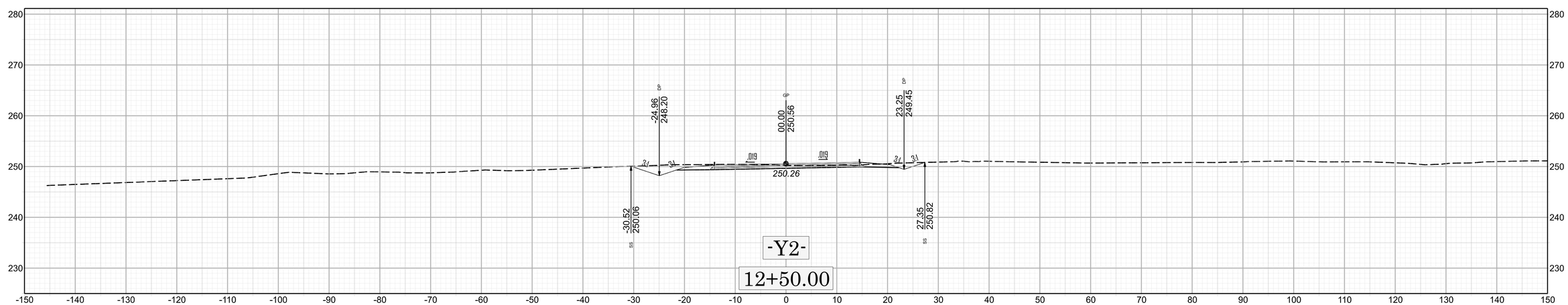
FLO
00.00
252.38
℄
20.93
251.70
FLO
27.63
252.32
FLO
3:1
.02
+3.0%
.03
3:1
F
250.20
-Y2-
11+00.00





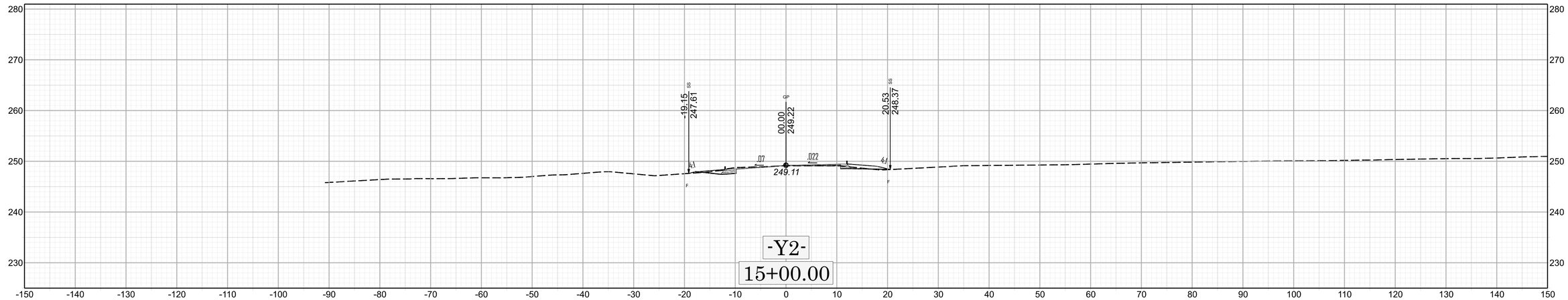


20

X

20

HN-0040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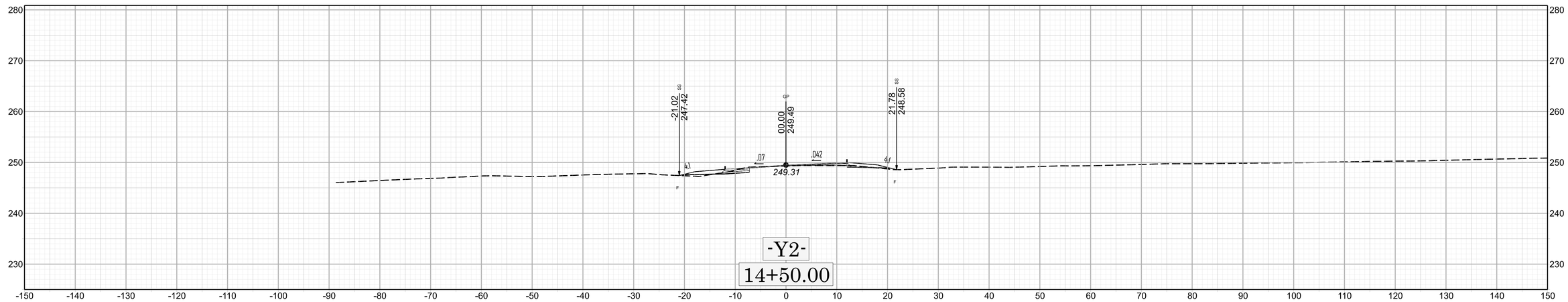
247.61
00.00
249.22
20.53
248.37
.07
.022
4:1
249.11
-Y2-
15+00.00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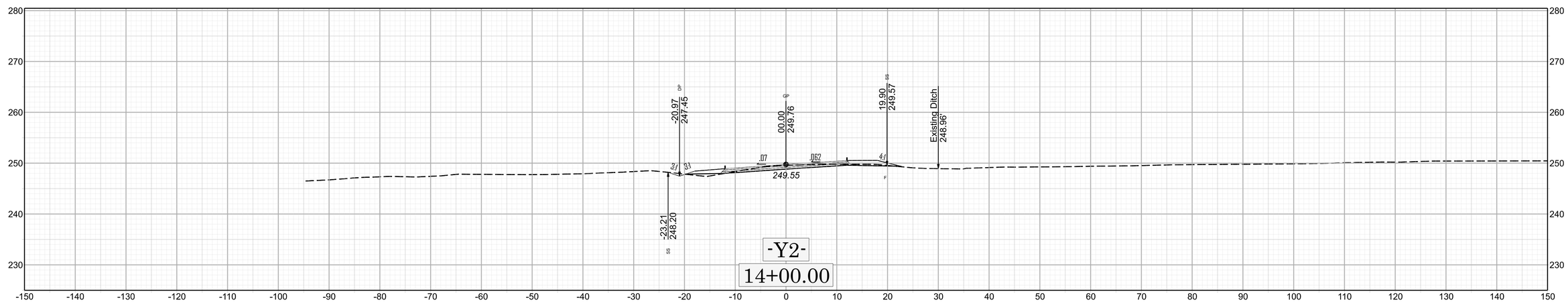
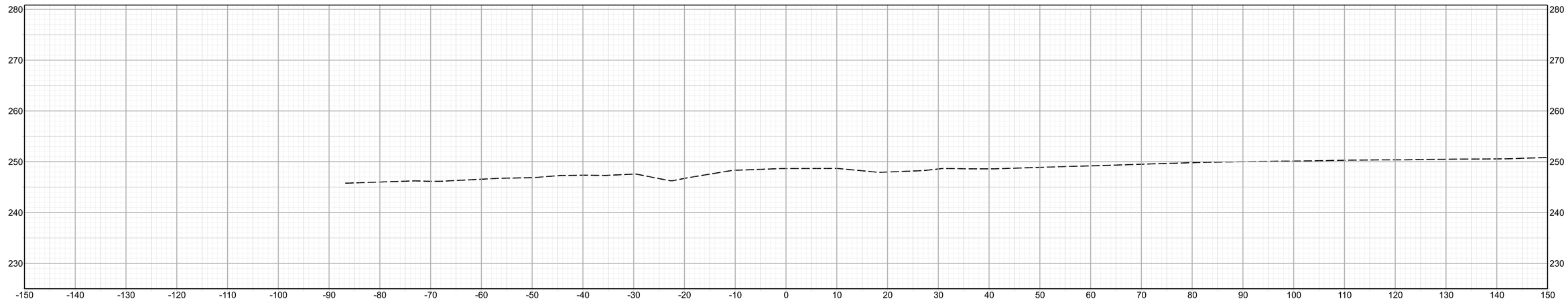
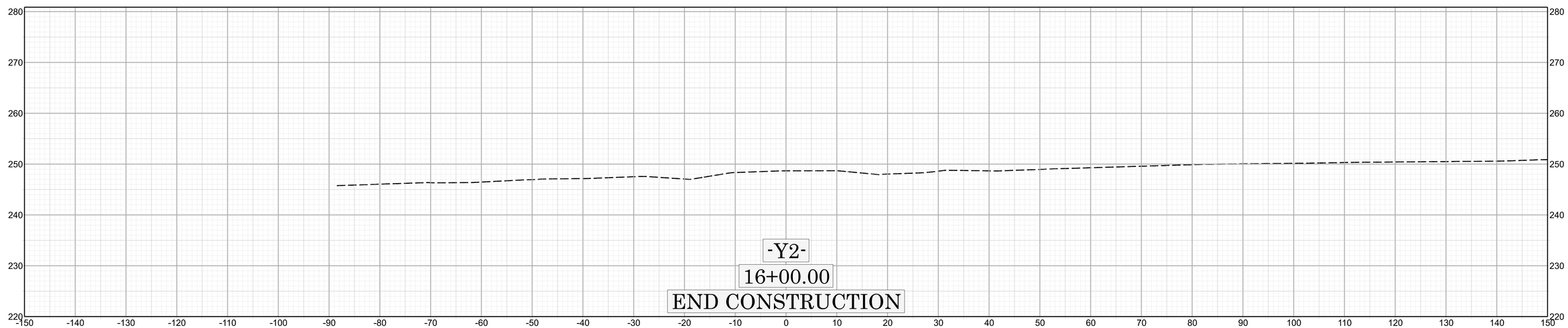
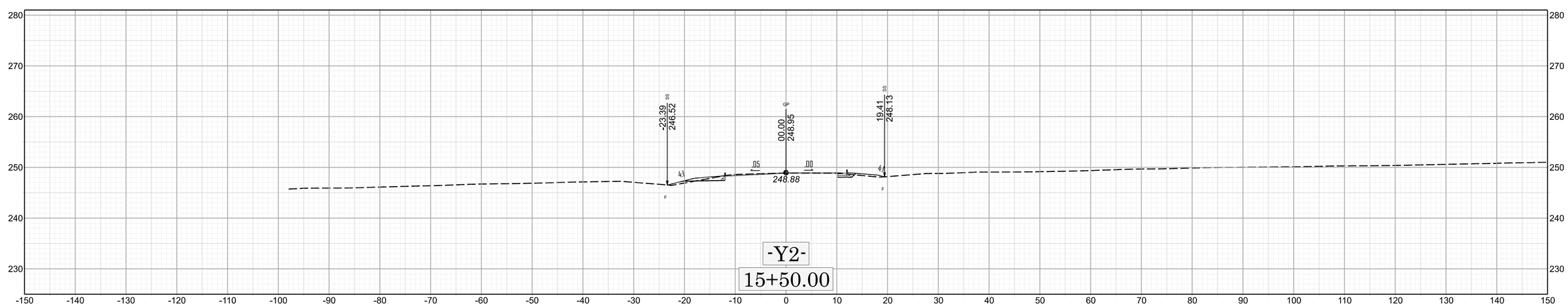
247.42
00.00
249.49
21.78
248.58
.07
.042
4:1
249.31
-Y2-
14+50.00


-20.97
247.45
00.00
249.76
19.90
249.57
Existing Ditch
248.96
.07
.062
4:1
3:1
249.55
-23.21
248.20
-Y2-
14+00.00




-Y2-
16+00.00
END CONSTRUCTION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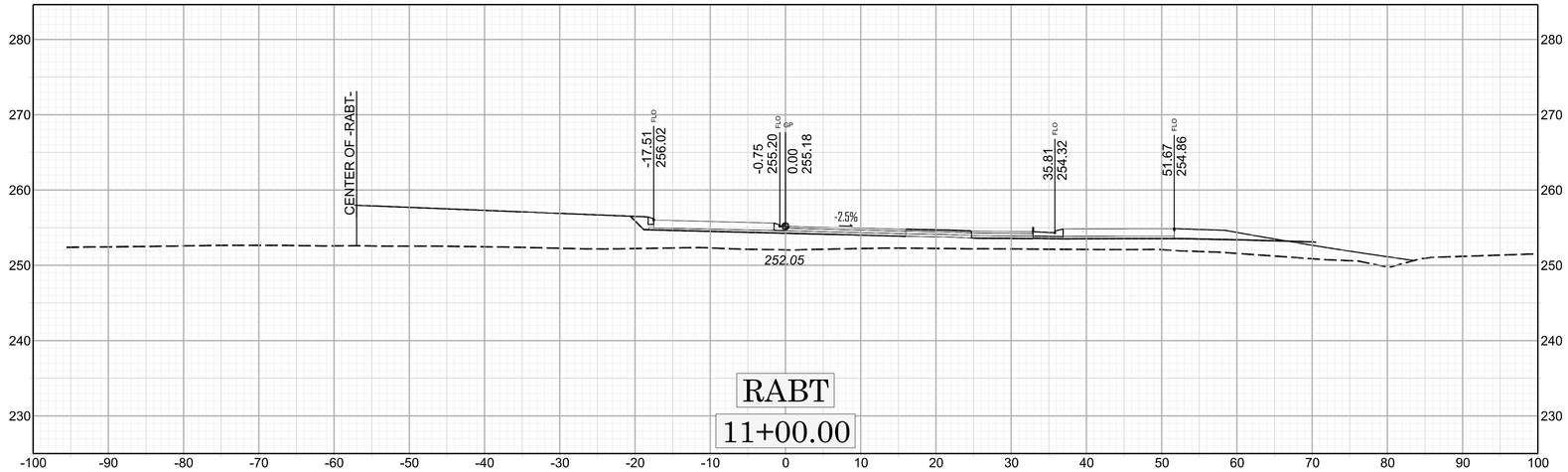
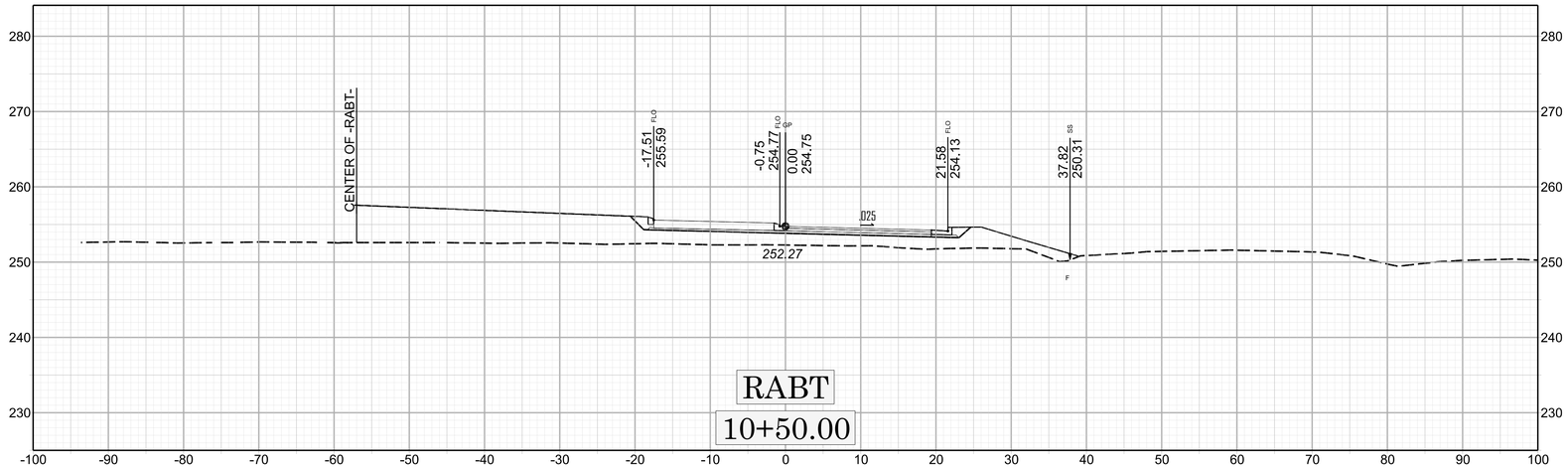
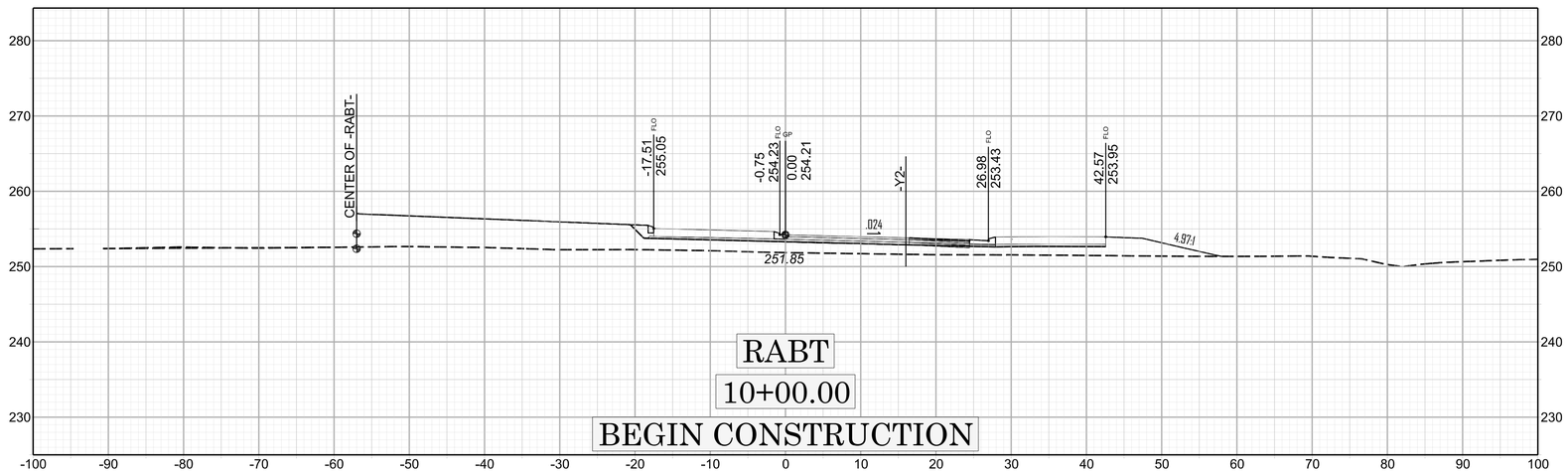
00.00
248.95
19.41
248.13
248.88
-Y2-
15+50.00


CENTER OF -RABT-
-17.51
256.02
FLD
-0.75
255.20
FLO
0.00
255.18
35.81
254.32
FLO
51.67
254.86
FLO
-2.5%
252.05
RABT
11+00.00


CENTER OF -RABT-
-17.51
255.59
FLO
-0.75
254.77
FLO
0.00
254.75
21.58
254.13
FLO
37.82
250.31
SS
.025
252.27
RABT
10+50.00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FLO
-0.75
254.23
FLO
0.00
254.21
-Y2-
26.98
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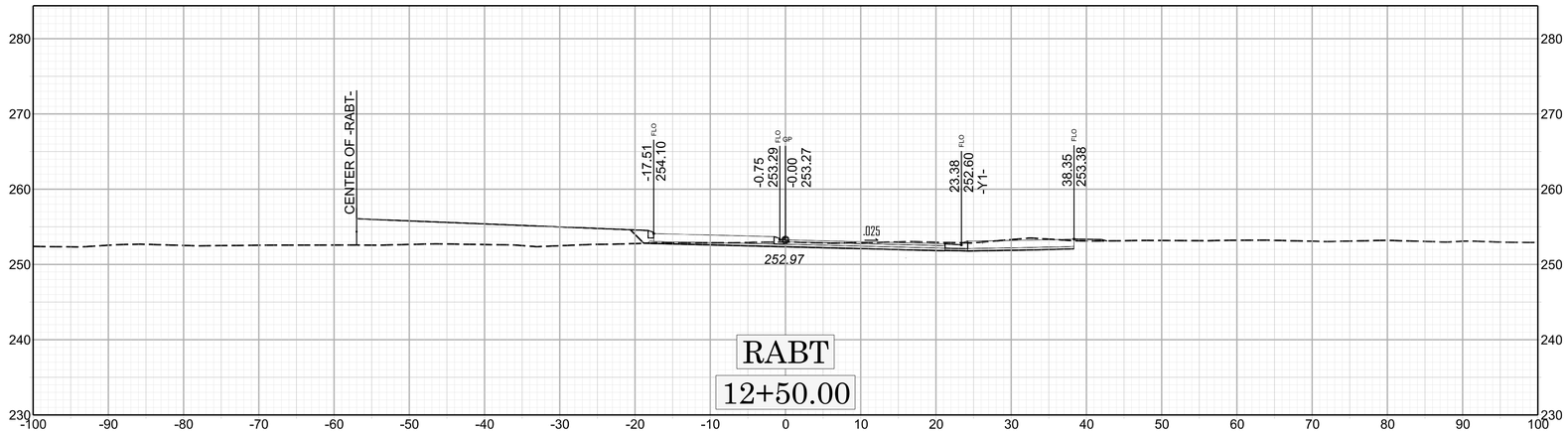
FLO
42.57
253.95
FLO
.024
4.97:1
257.85
RABT
10+00.00
BEGIN CONSTRUCTION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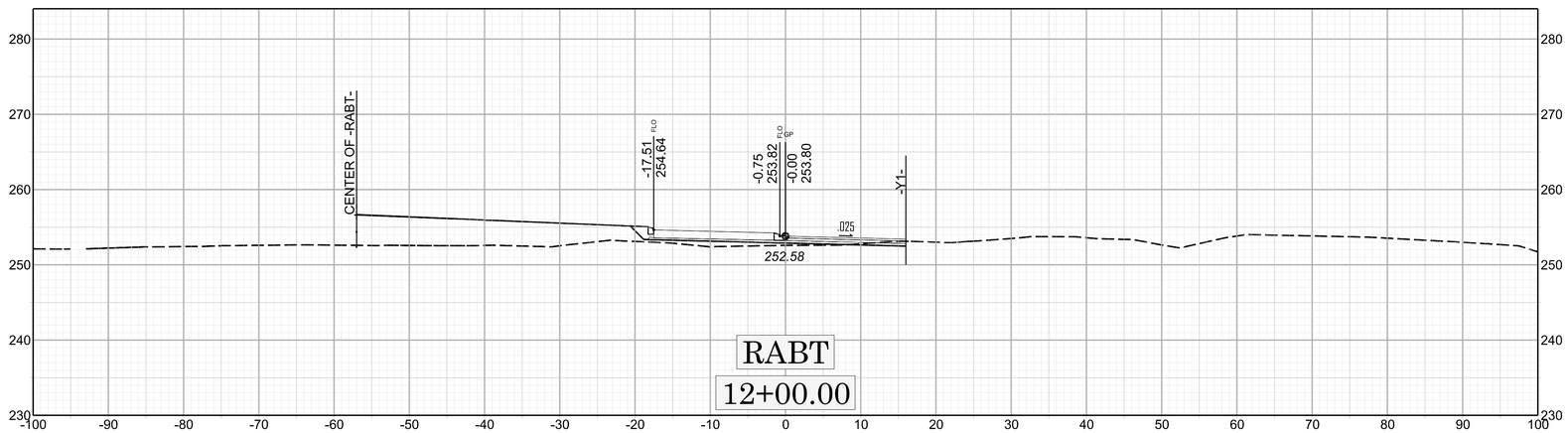
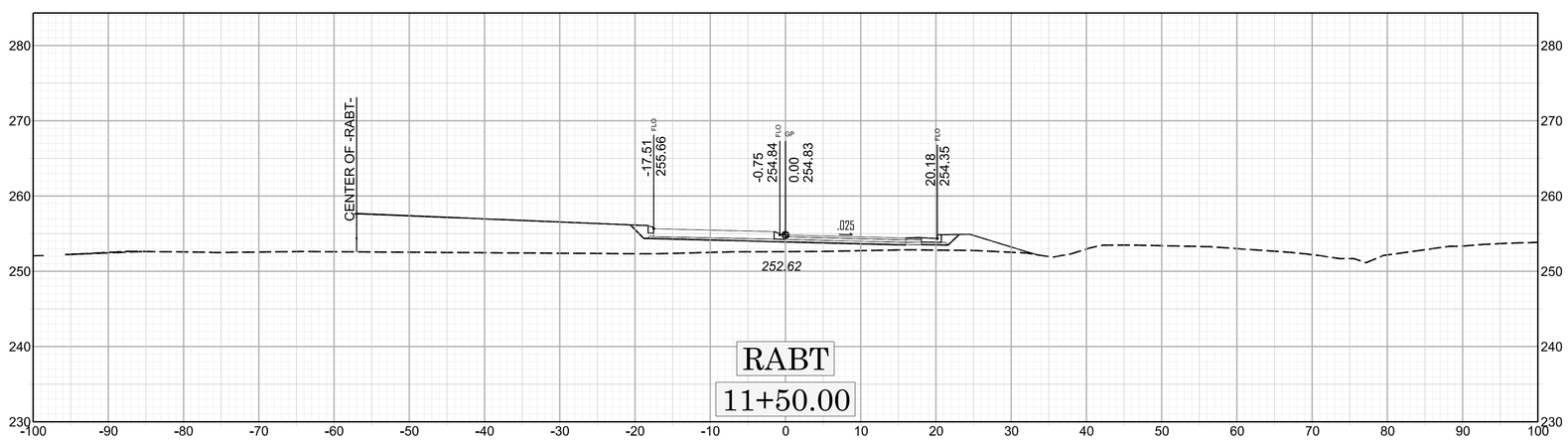
-17.51
254.10
FLO
-0.75
253.29
FLO
-0.00
253.27
GP
23.38
252.60
FLO
-Y1-
38.35
253.38
FLO
.025
252.97
RABT
12+50.00


CENTER OF -RABT-
-17.51
254.64
FLO
-0.75
253.82
FLO
-0.00
253.80
GP
-Y1-
.025
252.58
RABT
12+00.00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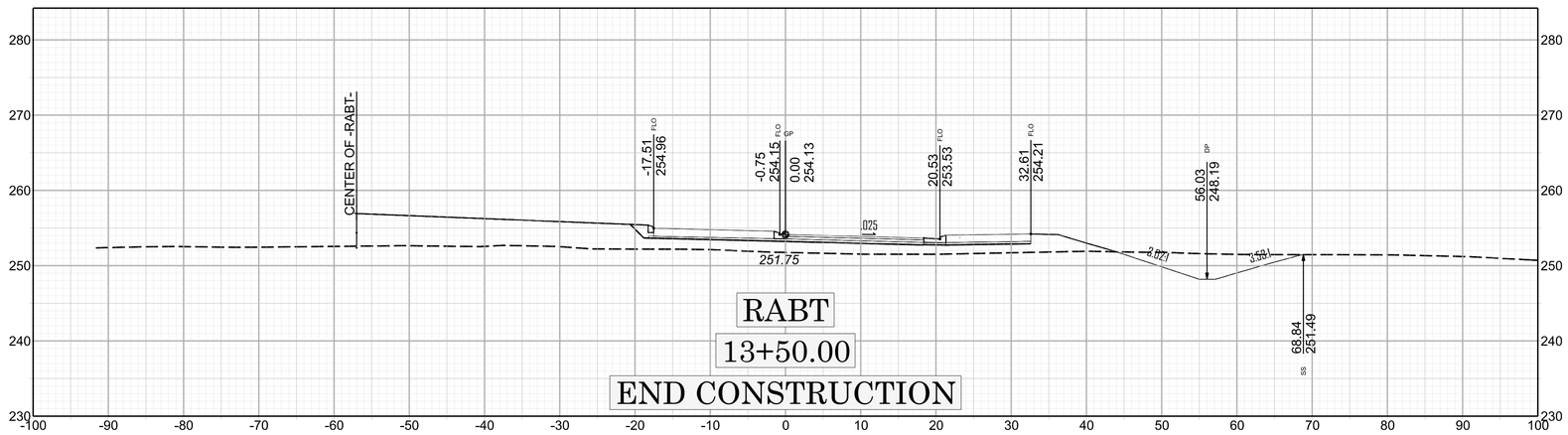
255.66
FLO
-0.75
254.84
FLO
0.00
254.83
GP
20.18
254.35
FLO
.025
252.62
RABT
11+50.00


CENTER OF -RABT-
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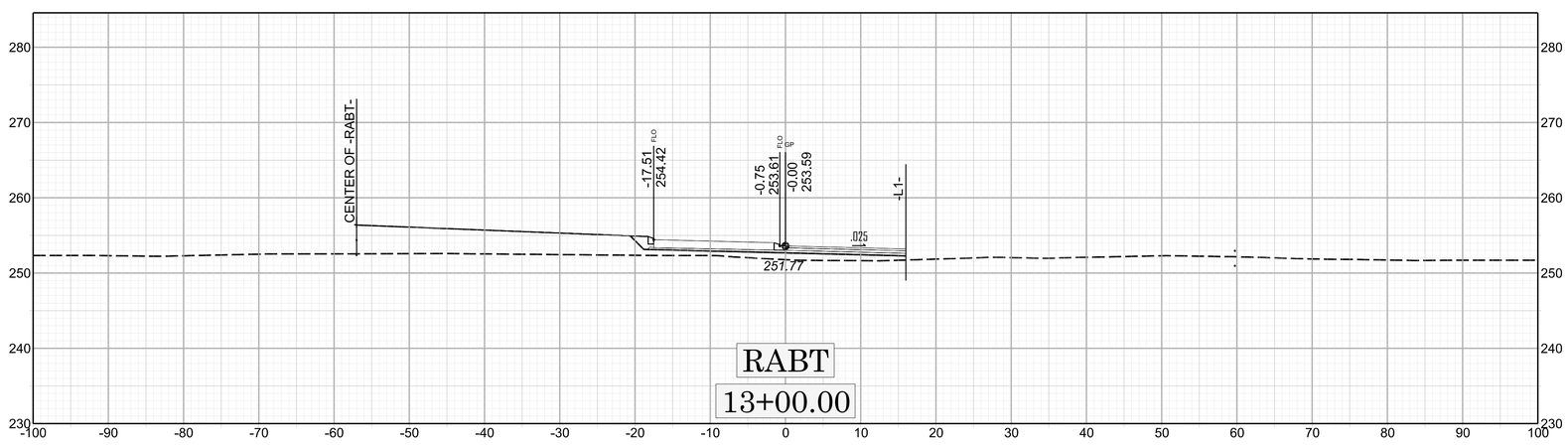
FLO
-0.75
254.15
FLO
0.00
254.13
GP
20.53
253.53
FLO
32.61
254.21
FLO
56.03
248.19
BP
68.84
251.49
SS
.025
251.75
-2.82%
3.58%
RABT
13+50.00
END CONSTRUCTION


CENTER OF -RABT-
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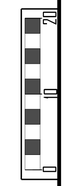
253.61
FLO
-0.00
253.59
GP
-L1-
.025
257.77
RABT
13+00.00


0
10
20

X 25

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