



COUNTY OF ORANGE

OC PUBLIC WORKS DEPARTMENT

SANTA ANA, CALIFORNIA

KEVIN ONUMA, DIRECTOR

2025 SCOUR STUDY

PREPARED BY:
COUNTY OF ORANGE PUBLIC WORKS

SURVEY FIELD UNIT

ORANGE COUNTY BOARD OF SUPERVISORS

JANET NGUYEN
FIRST DISTRICT

VINCENTE SARMIENTO
SECOND DISTRICT

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THIRD DISTRICT

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FOURTH DISTRICT

KATRINA FOLEY
FIFTH DISTRICT

2025 SCOUR STUDY

SAN DIEGO CREEK CHANNEL (F05)

BASIN 3

STATION 100+00 TO 135+00

AS-BUILT PLANS:
F05-101-6A

STA. 100+00 TO 135+00

NOTE: As-Built plans were used for left side of the basin, the right side of the template was modified based on the San Diego Creek 2004 Emergency Repair Agreement whereas, a 40' Wildlife Corridor was established on the right side of the channel

HORIZONTAL DATUM: NAD 83 (2017.5 EPOCH)

VERTICAL DATUM: NAVD 88 (O.C.S. 1995 ADJUSTMENT)

OFFICE CHECK BY: Michael Kubisty, PLS, Senior Land Surveyor

SURVEY PARTY CHIEF: James Russo, Surveyor III

MAPPING DONE BY: Itai Islas, Surveyor II

COUNTY of ORANGE
 OC PUBLIC WORKS
OC SURVEY
FIELD UNIT-BOUNDARY ANALYSIS & MAPPING
2025 SCOURS STUDY - VOLUME REPORT

SAN DIEGO CREEK (F05) BASIN #3, STATION 100+00 to 135+00
 Date of Survey October 2025

ALIGNMENT: CENTERLINE ALIGNMENT REACH 1
 SURFACE 1: SAN DIEGO CREEK BASIN 2 & 3 2025
 SURFACE 2: F05B3 ASBUILT (As-Built Plan Template)

BASELINE	STATION	STATION	STATION	STATION	MASS
STATION	CUT	CUT	FILL	FILL	ORDINANCE
NUMBER	AREA	VOLUME	AREA	VOLUME	VOLUME
	(Sq. Ft)	(Cu. Yds)	(Sq. Ft)	(Cu. Yds)	(Cu. Yds)
100+00	0.00	0.00	0.00	0.00	0.00
101+00	363.52	673.18	247.51	458.35	214.83
102+00	349.65	1320.69	303.08	1019.61	515.91
103+00	232.89	1078.79	340.92	1192.60	402.10
104+00	371.21	1118.71	68.09	757.44	763.37
105+00	849.67	2260.88	72.28	259.95	2764.30
106+00	897.54	3235.57	61.30	247.36	5752.51
107+00	742.60	3037.30	98.42	295.77	8494.04
108+00	635.06	2551.22	100.38	368.14	10677.12
109+00	614.51	2314.03	82.47	338.61	12652.54
110+00	688.27	2412.57	44.23	234.62	14830.49
111+00	581.65	2351.71	67.75	207.36	16974.84
112+00	612.39	2211.19	44.66	208.16	18977.87
113+00	663.15	2362.12	47.37	170.42	21169.57
114+00	609.12	2378.35	49.56	175.70	23372.22
115+00	693.81	2442.37	59.15	199.37	25615.22
116+00	753.66	2715.26	76.72	257.68	28072.80
117+00	864.81	3052.71	55.99	245.43	30880.08
118+00	787.06	3121.04	67.32	219.50	33781.62
119+00	737.18	2868.76	82.30	276.00	36374.38
120+00	780.60	2851.85	85.00	306.34	38919.89
121+00	727.23	2832.88	140.46	404.88	41347.89
122+00	664.50	2613.52	91.99	418.33	43543.08
123+00	733.33	2622.10	56.39	265.27	45899.91
124+00	548.68	2404.78	116.00	312.83	47991.86
125+00	575.46	2110.18	201.22	570.17	49531.87
126+00	607.64	2218.82	126.10	582.28	51168.41

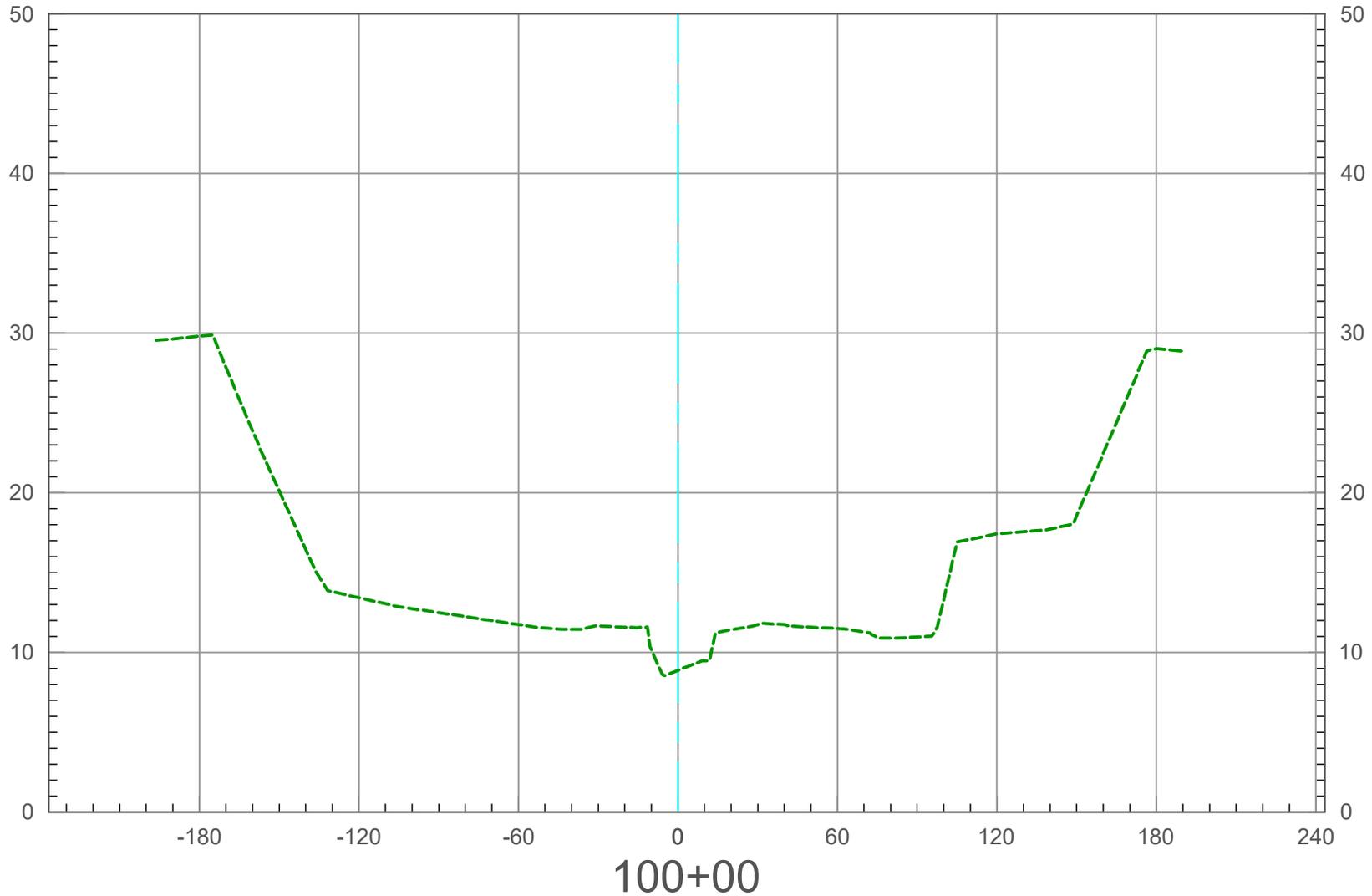
127+00	519.75	2115.22	82.25	373.30	52910.33
128+00	667.48	2224.93	92.46	311.12	54824.14
129+00	686.73	2530.05	48.87	250.39	57103.80
130+00	638.21	2480.49	103.60	271.37	59312.92
131+00	730.21	2570.91	69.92	307.19	61576.64
132+00	267.75	1884.06	163.57	418.10	63042.60
133+00	154.32	811.03	377.98	977.32	62876.31
134+00	244.64	766.68	601.83	1778.63	61864.36
135+00	224.33	868.47	528.65	2093.48	60639.35
		76,543.95 Cu. Yds		14,679.59 Cu. Yds	NET CUT: 61,864.36 Cu.

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping



SAN DIEGO CREEK (F05) BASIN 3 - 2025 SCOURS CL



2025 Ground 
As-Built Plan 

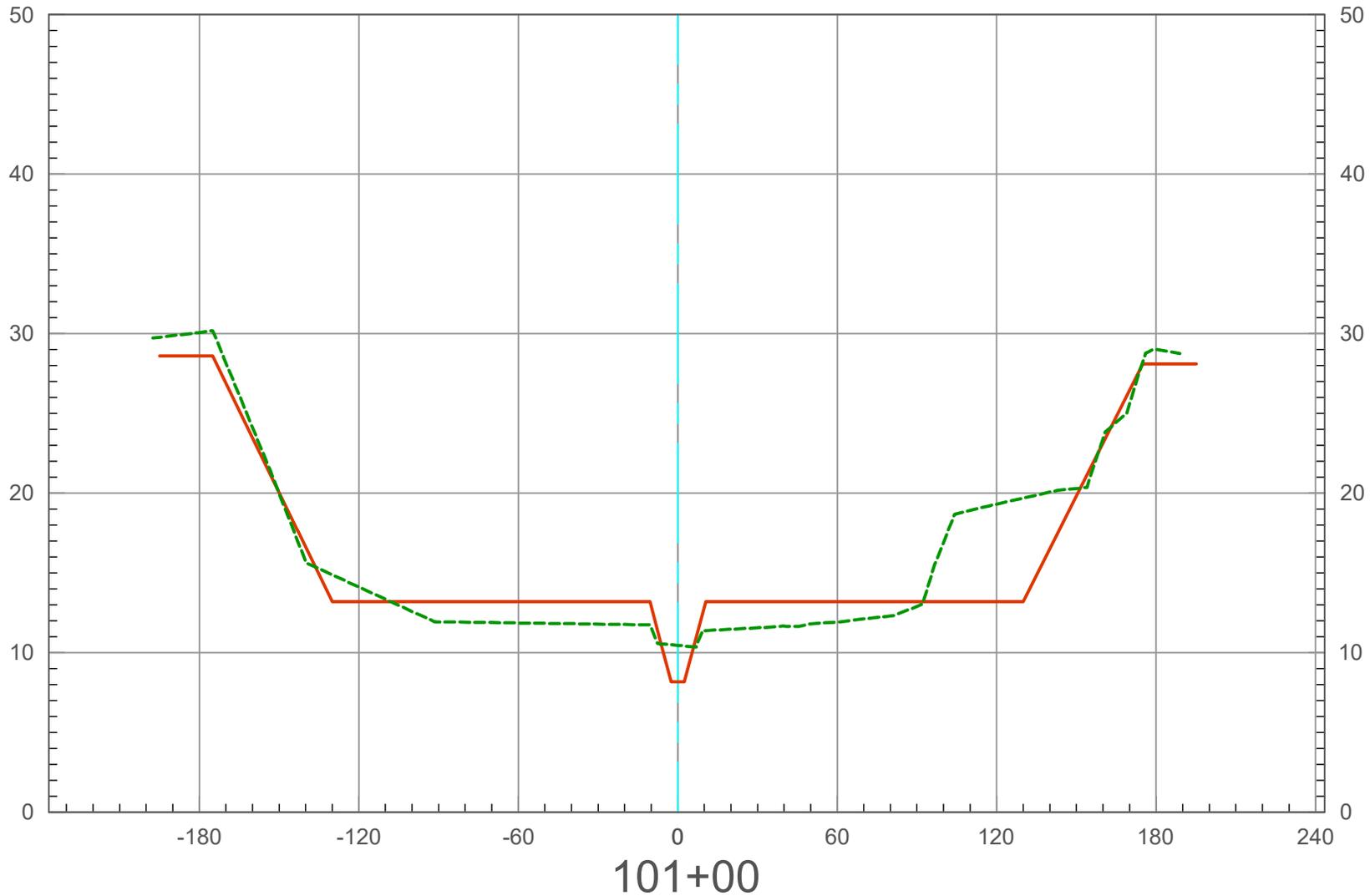
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Horiz. Scale: 1" = 60'

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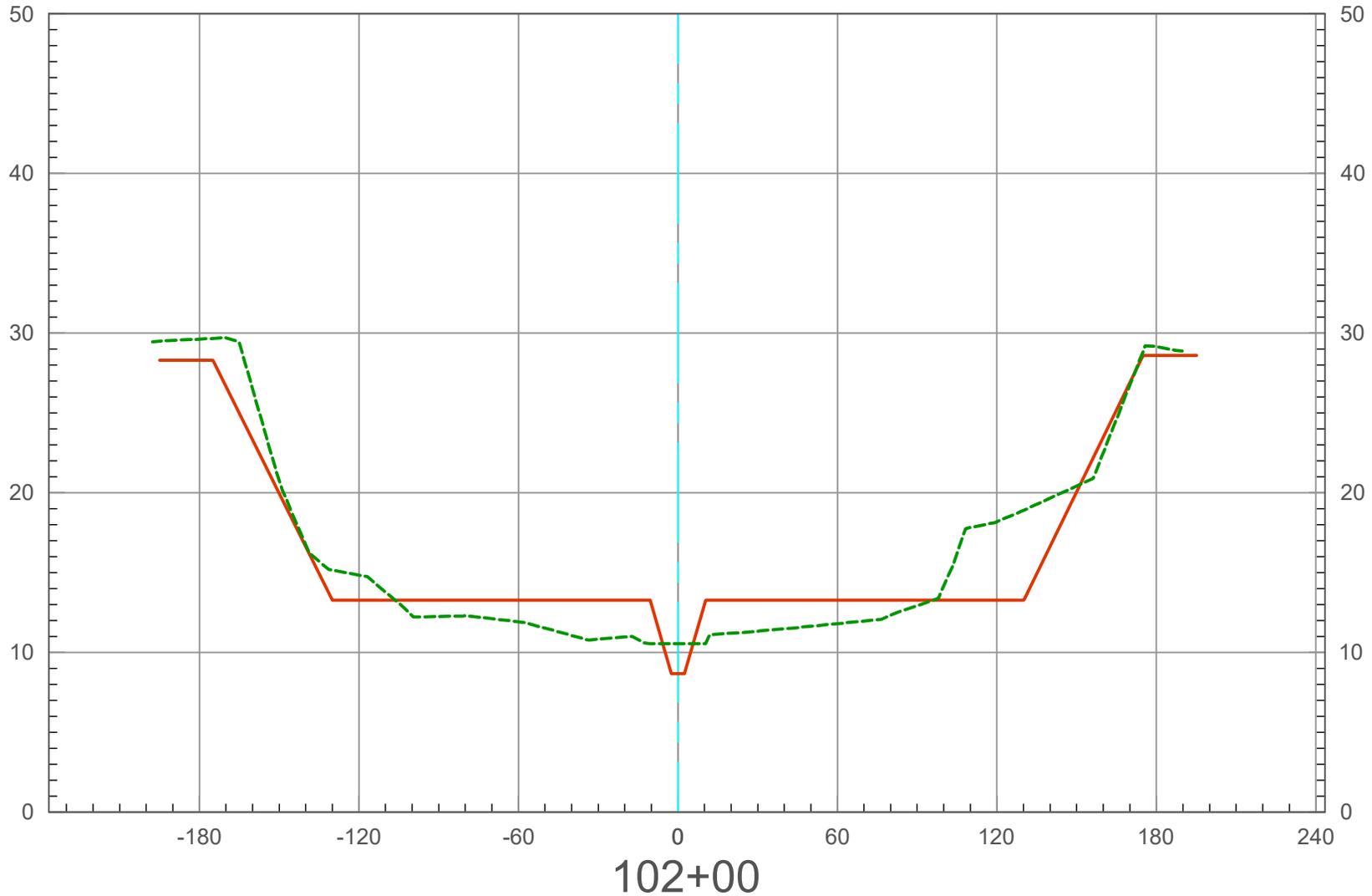
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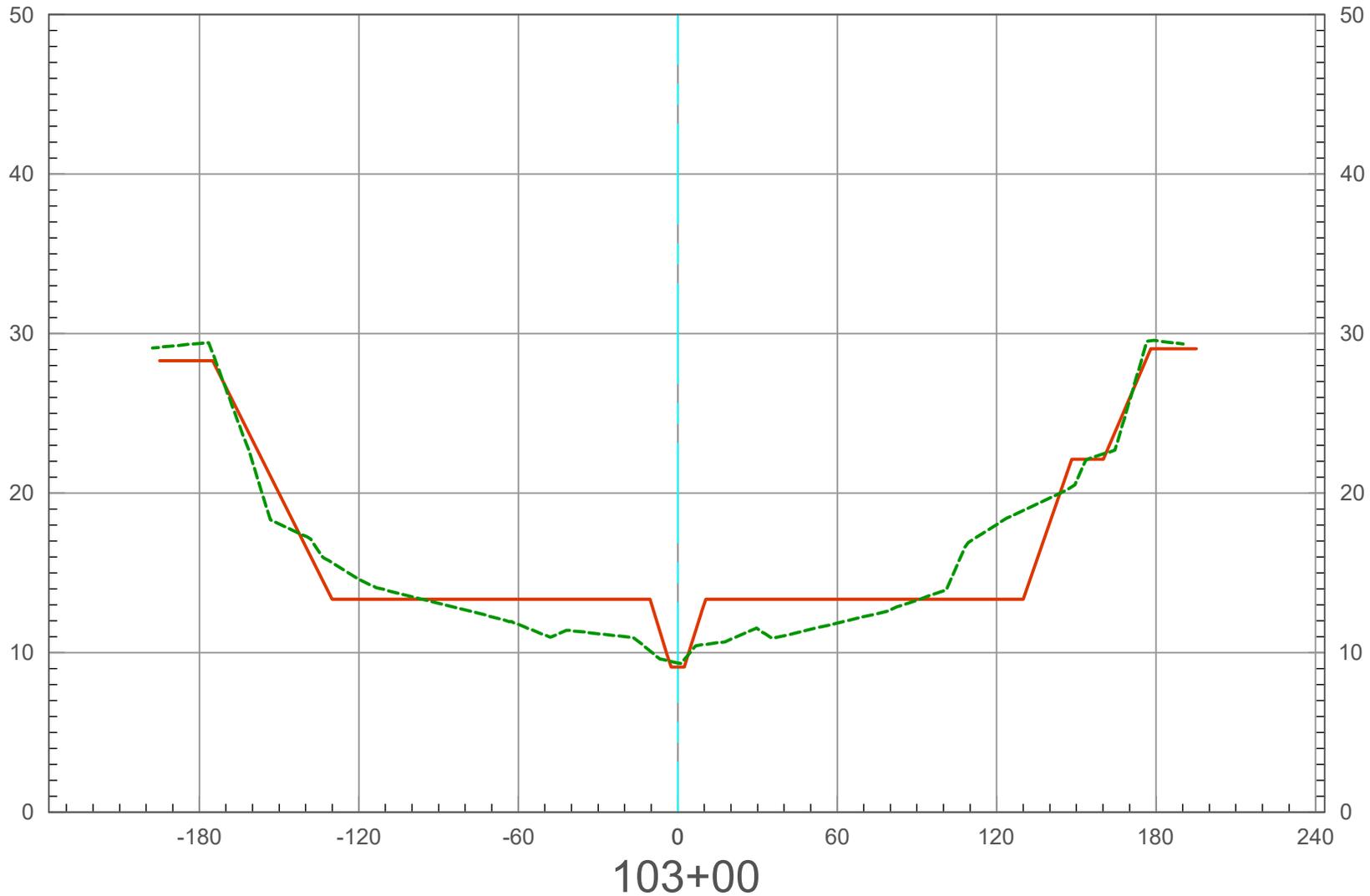
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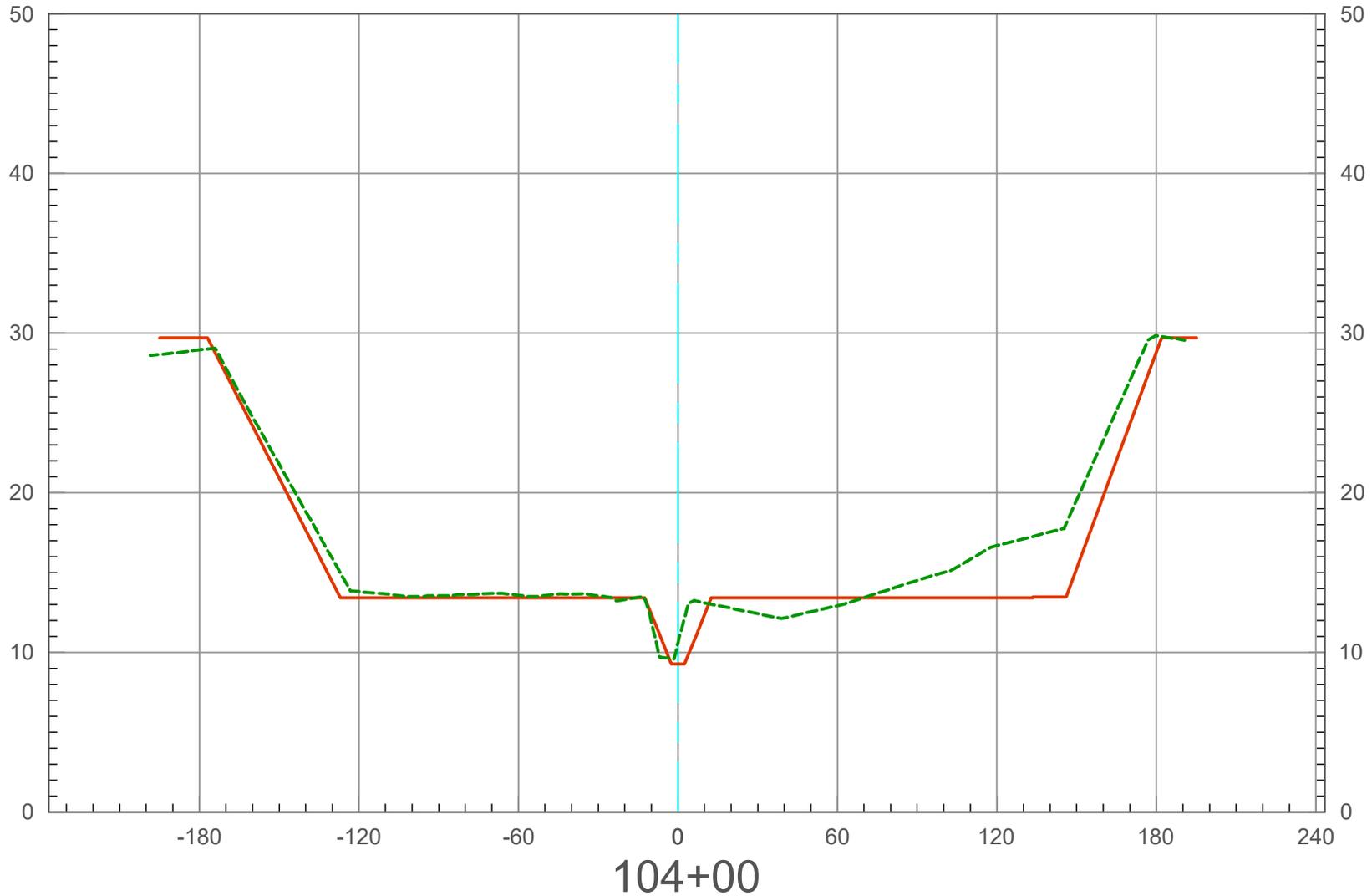
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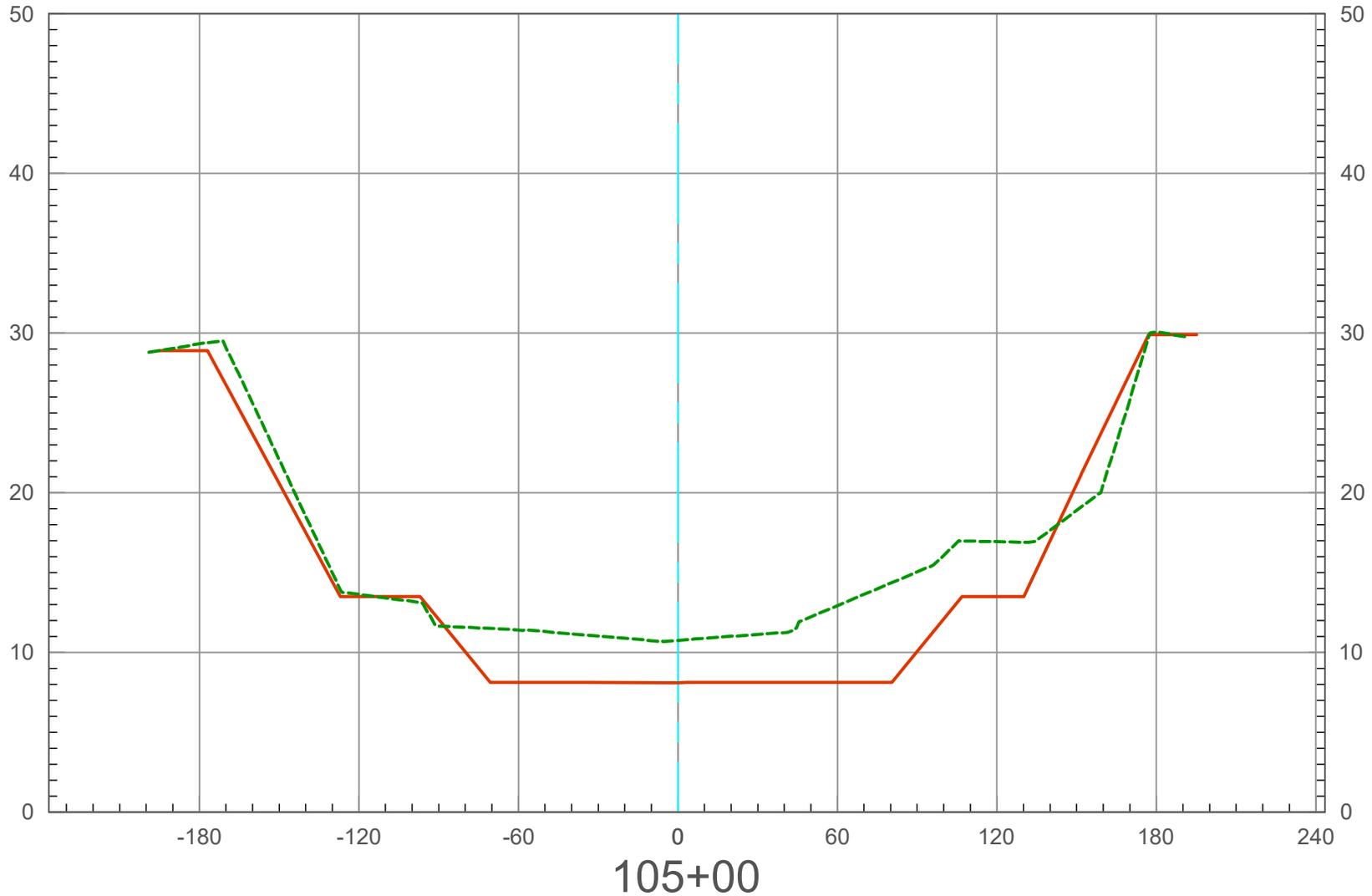
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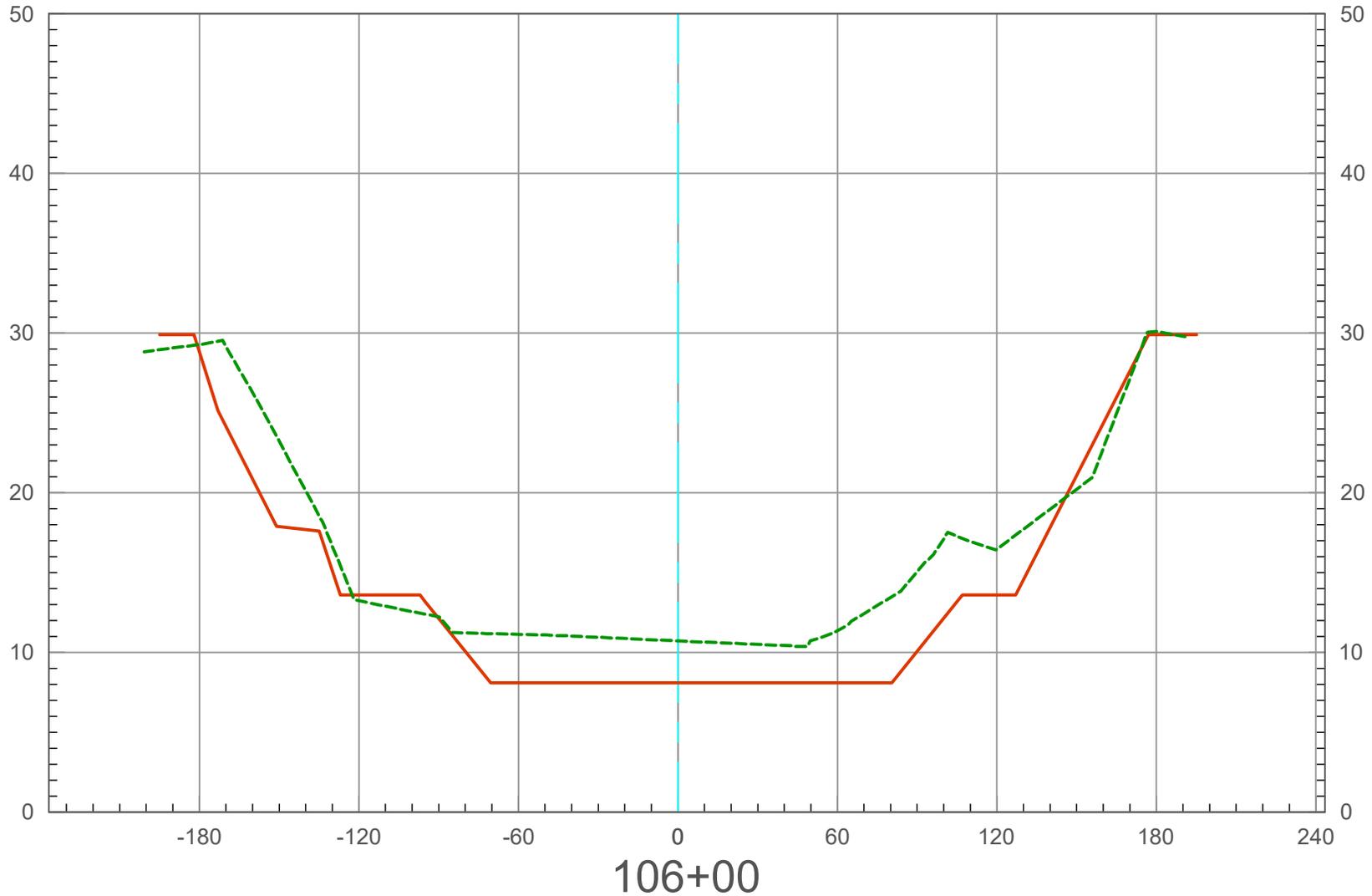
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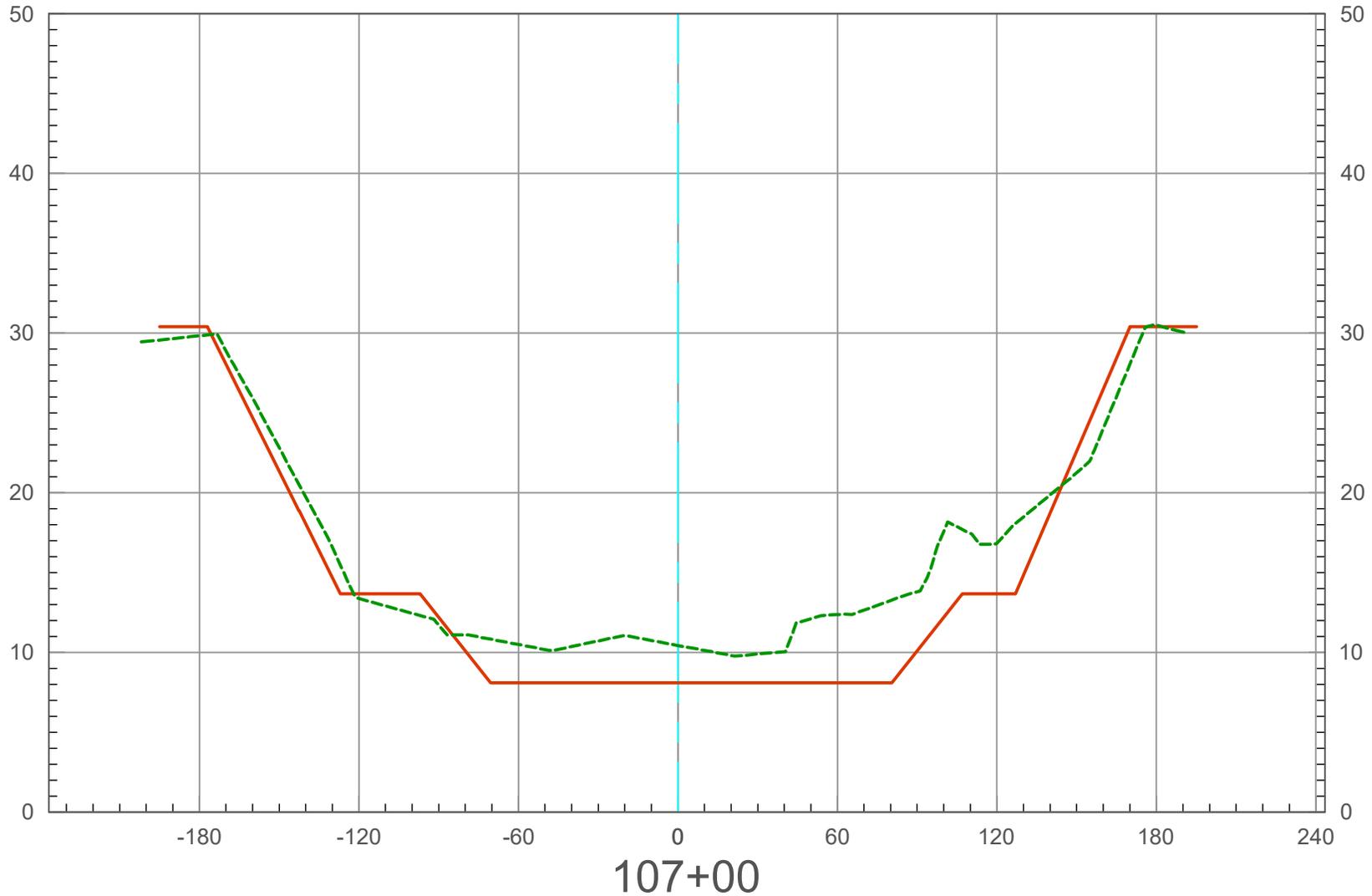
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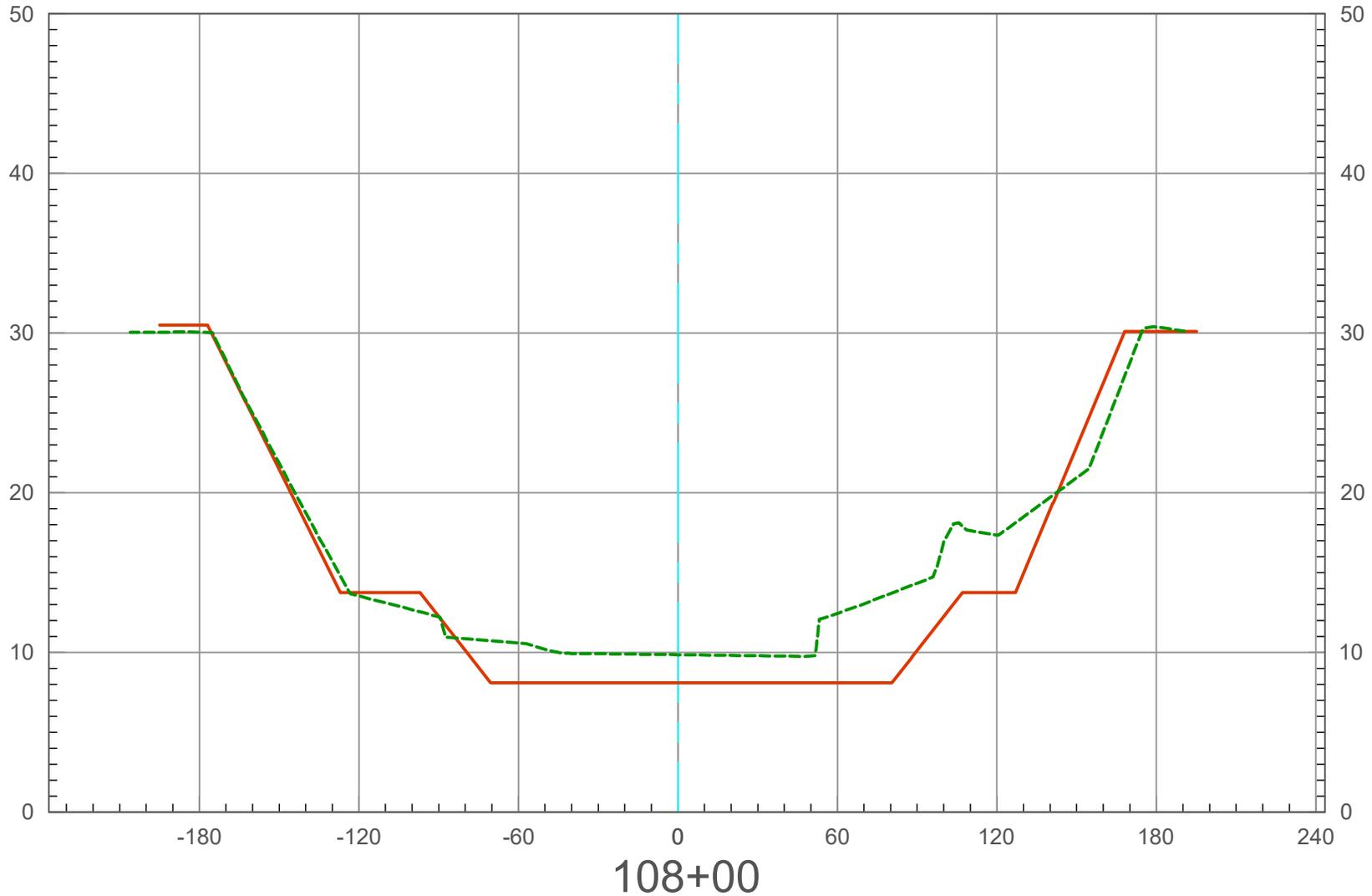
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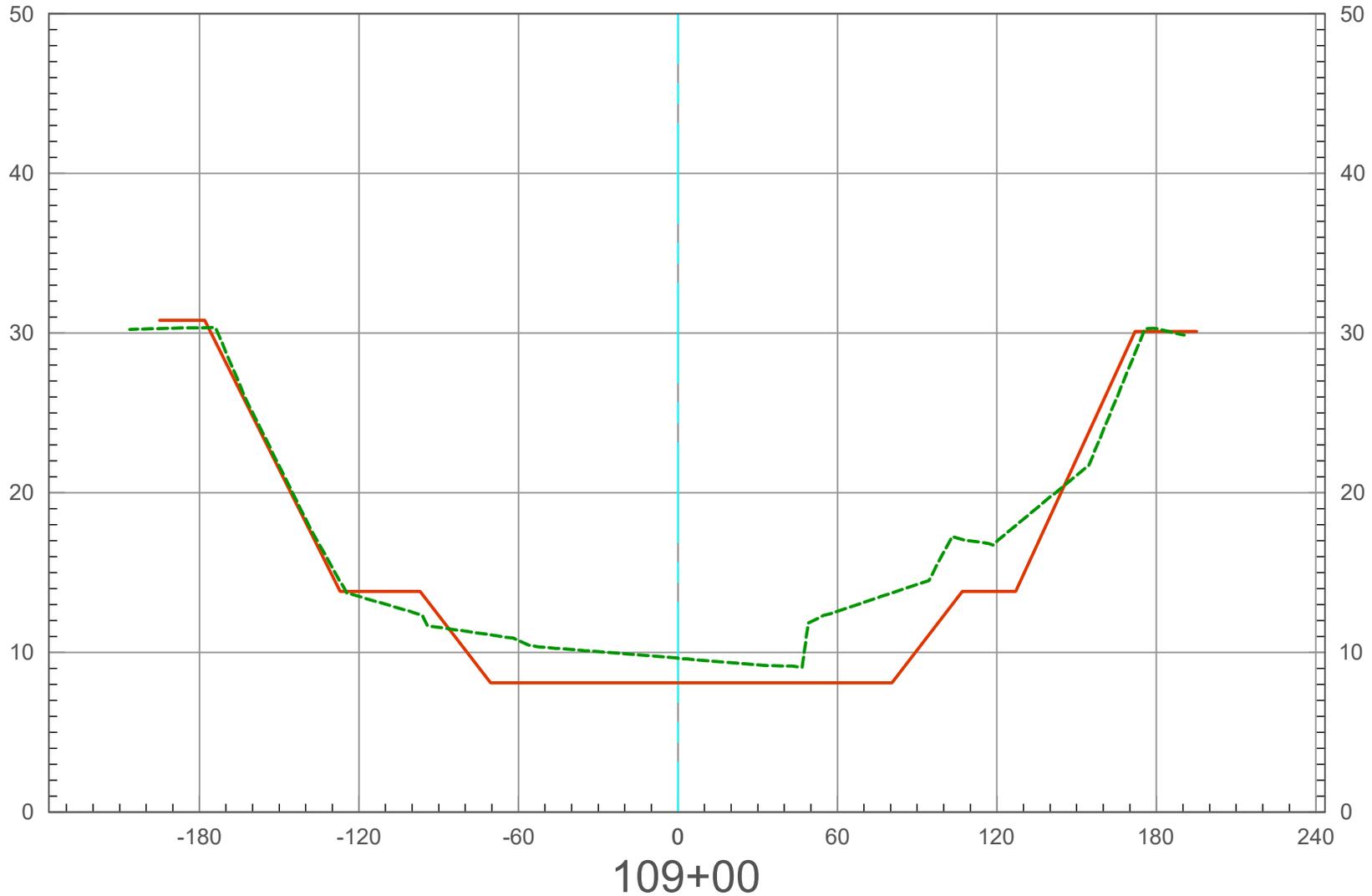
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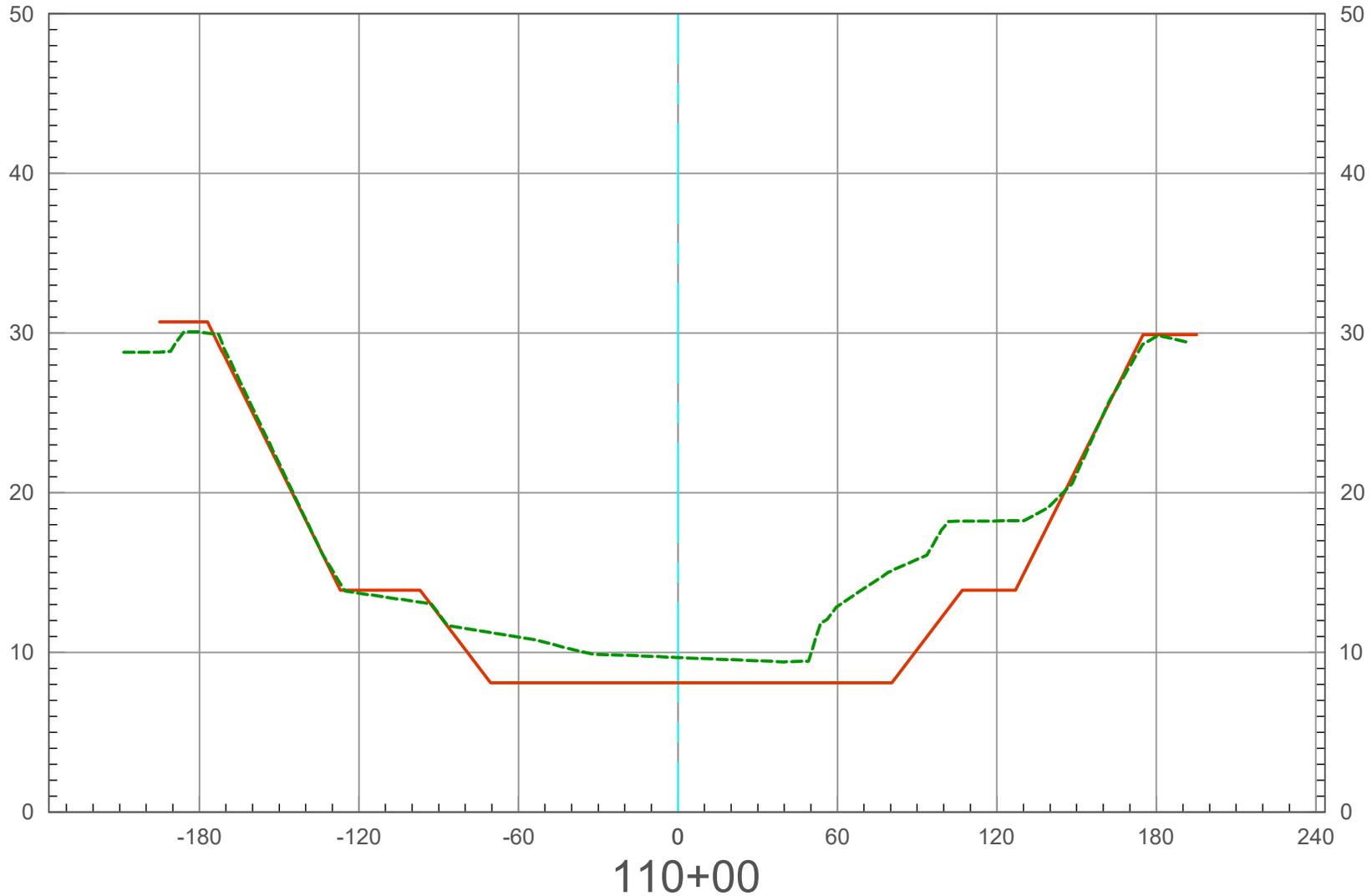
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As-Built Plan 

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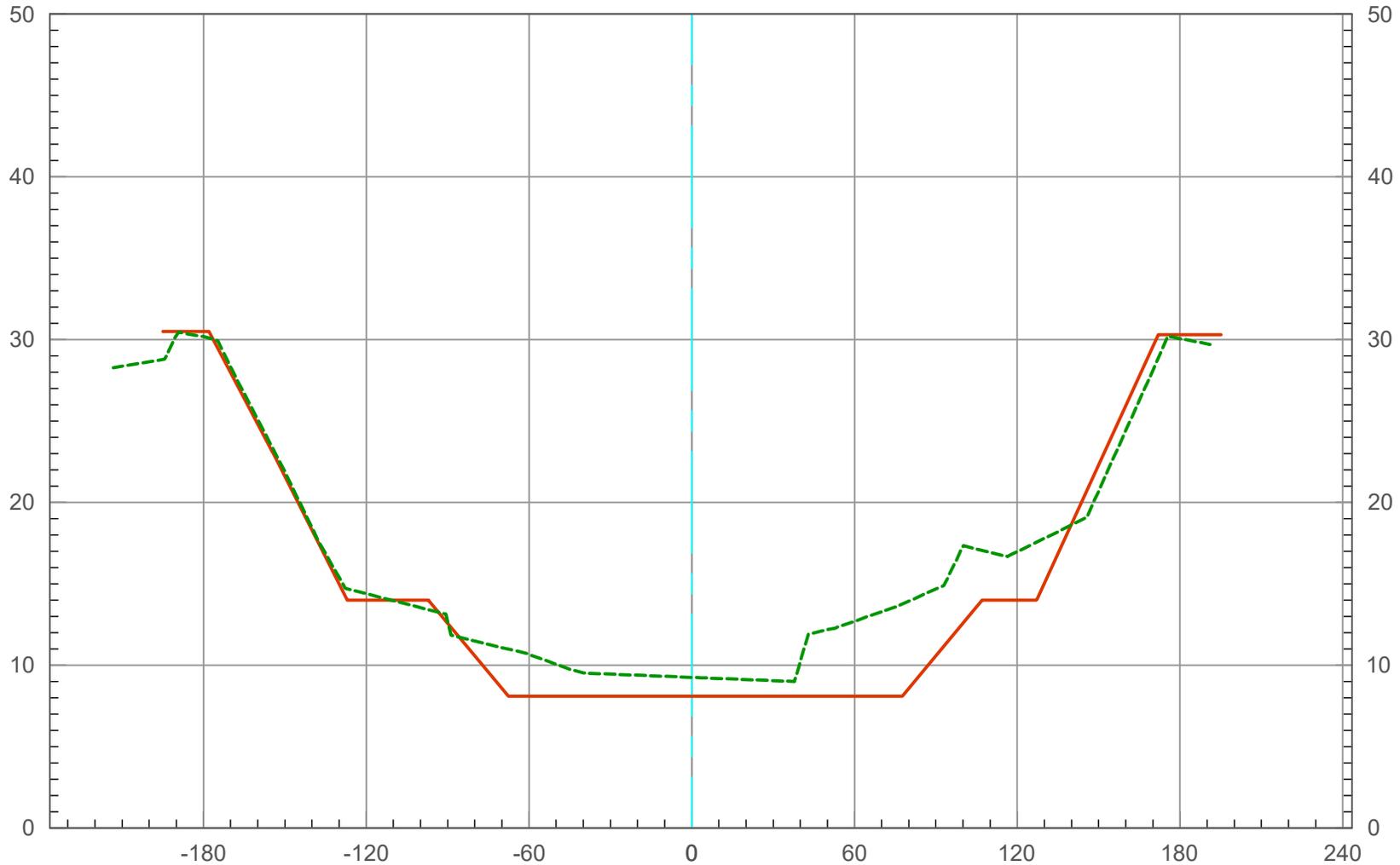
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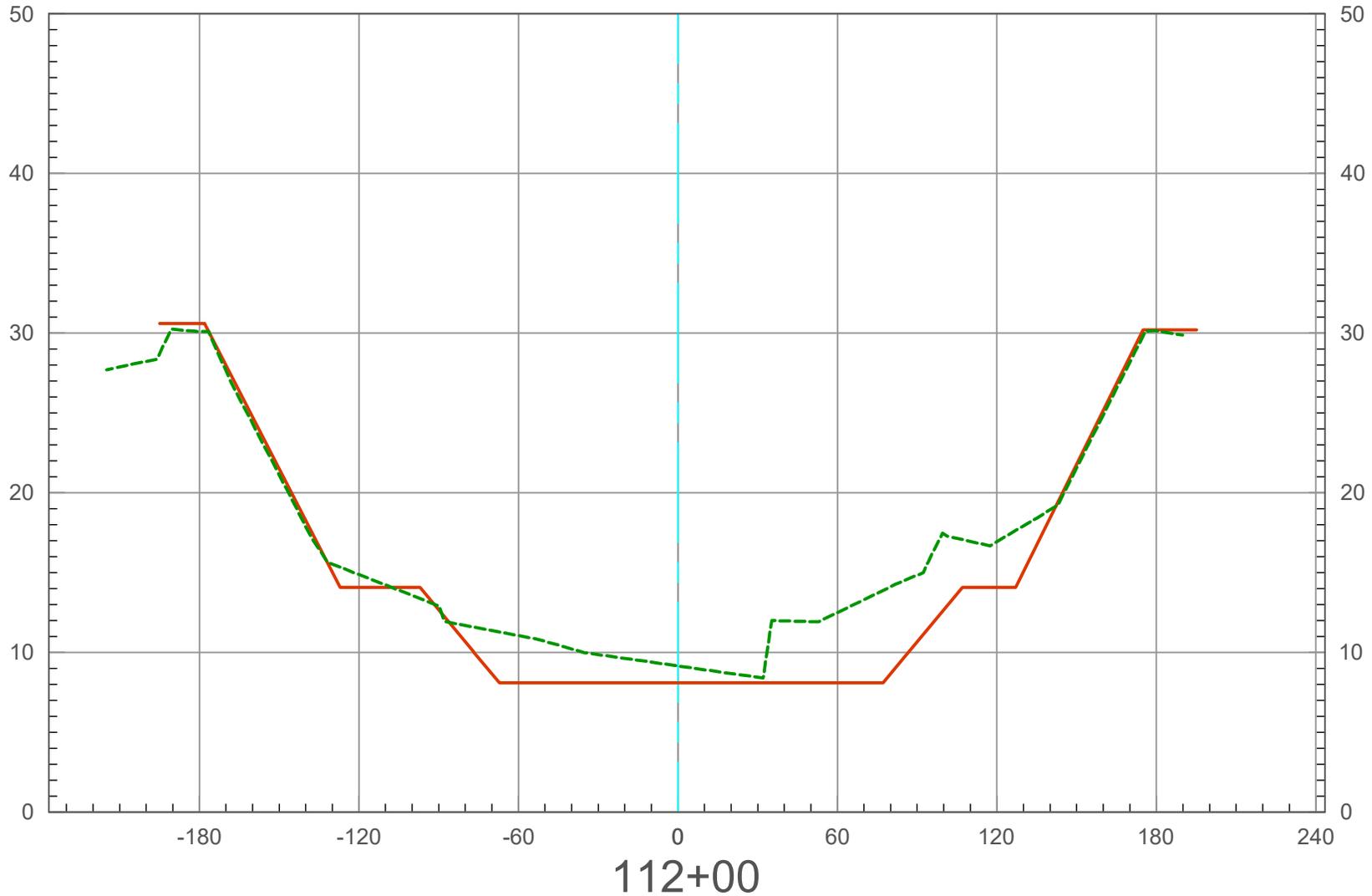
111+00

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SAN DIEGO CREEK (F05) BASIN 3 - 2025 SCOURS CL



2025 Ground 
As-Built Plan 

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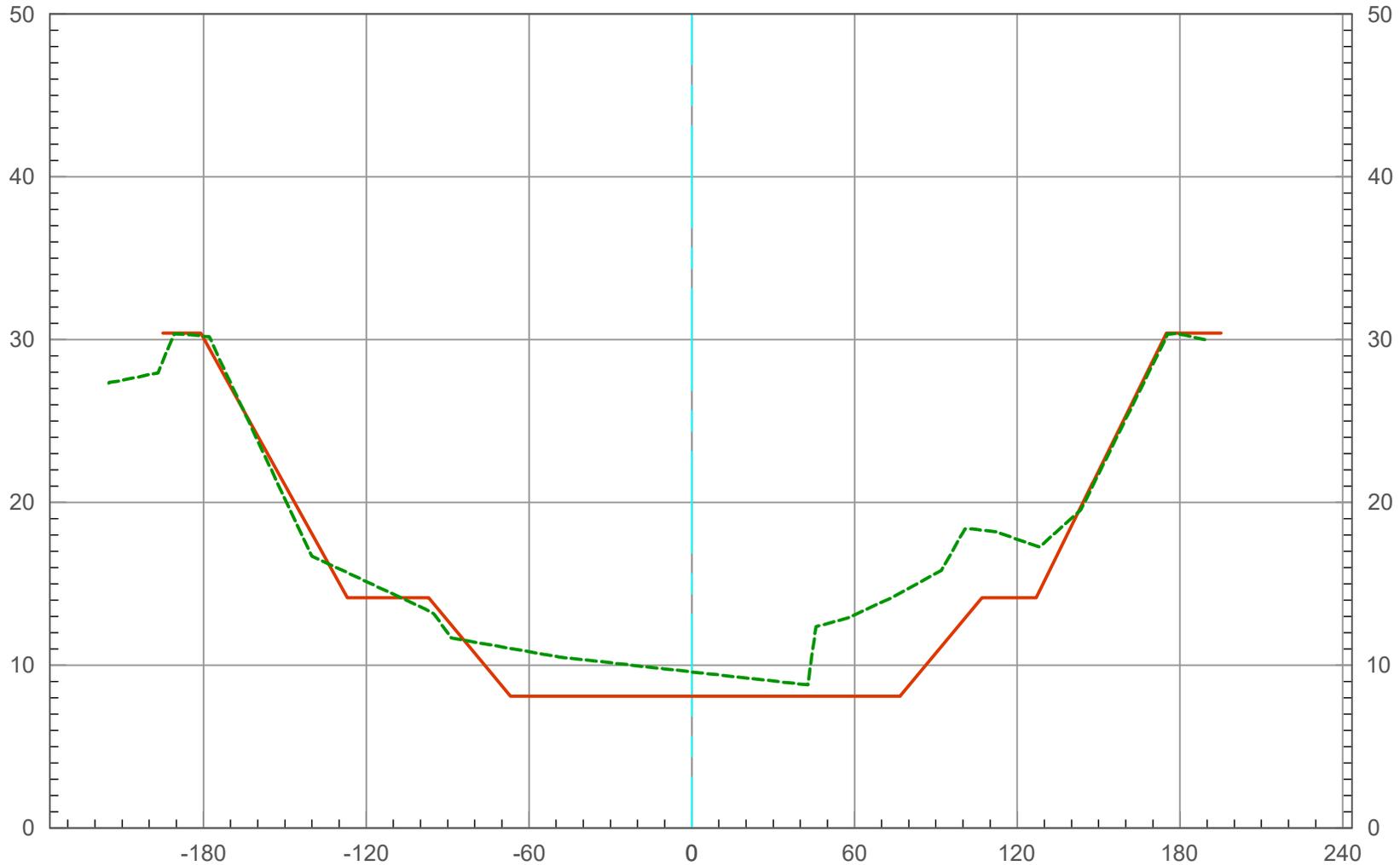
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SAN DIEGO CREEK (F05) BASIN 3 - 2025 SCOURS

CL



2025 Ground 
As-Built Plan 

Vert. Scale: 1" = 10'
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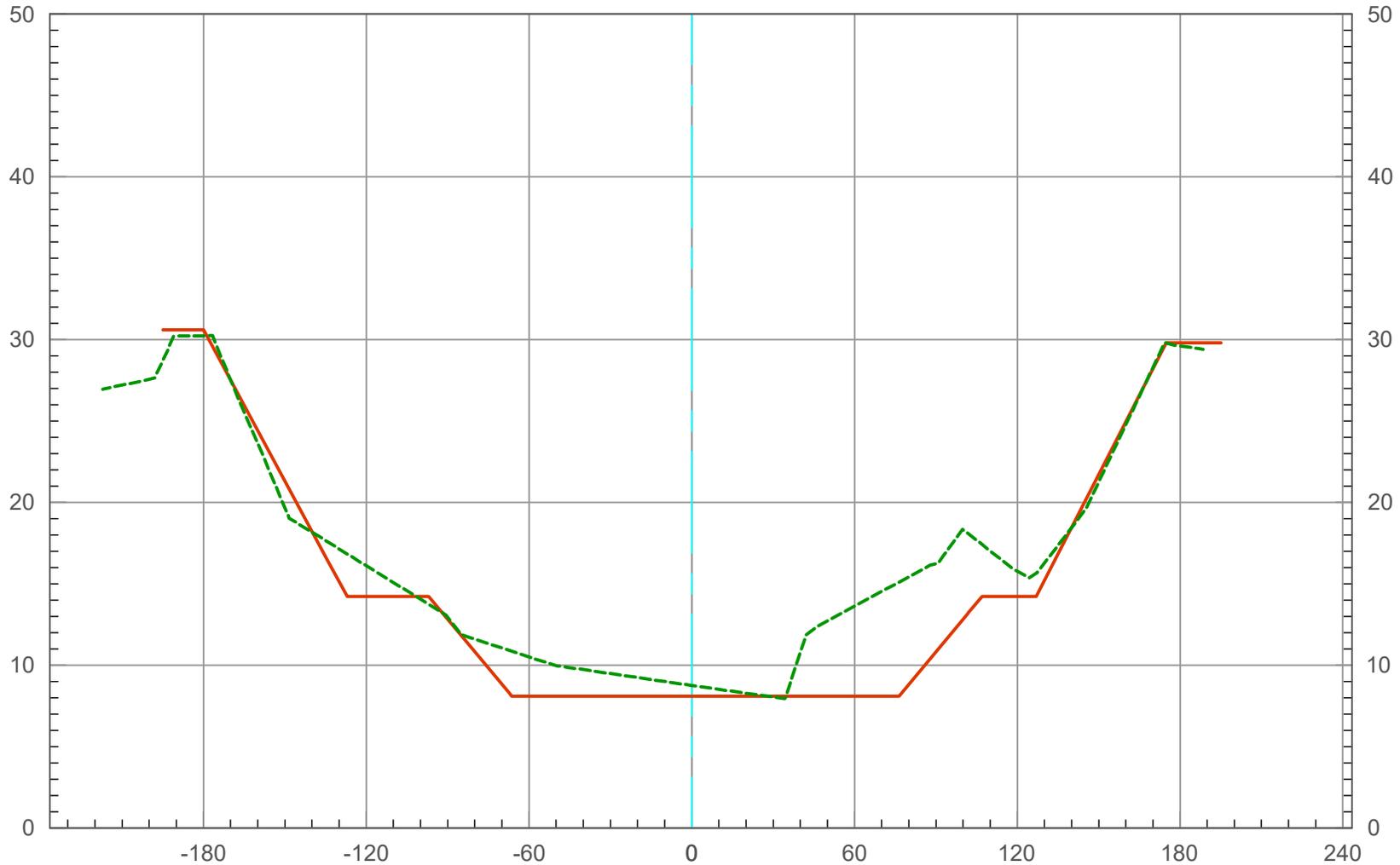
113+00

U.S. Survey Foot

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SAN DIEGO CREEK (F05) BASIN 3 - 2025 SCOURS CL



2025 Ground 
As-Built Plan 

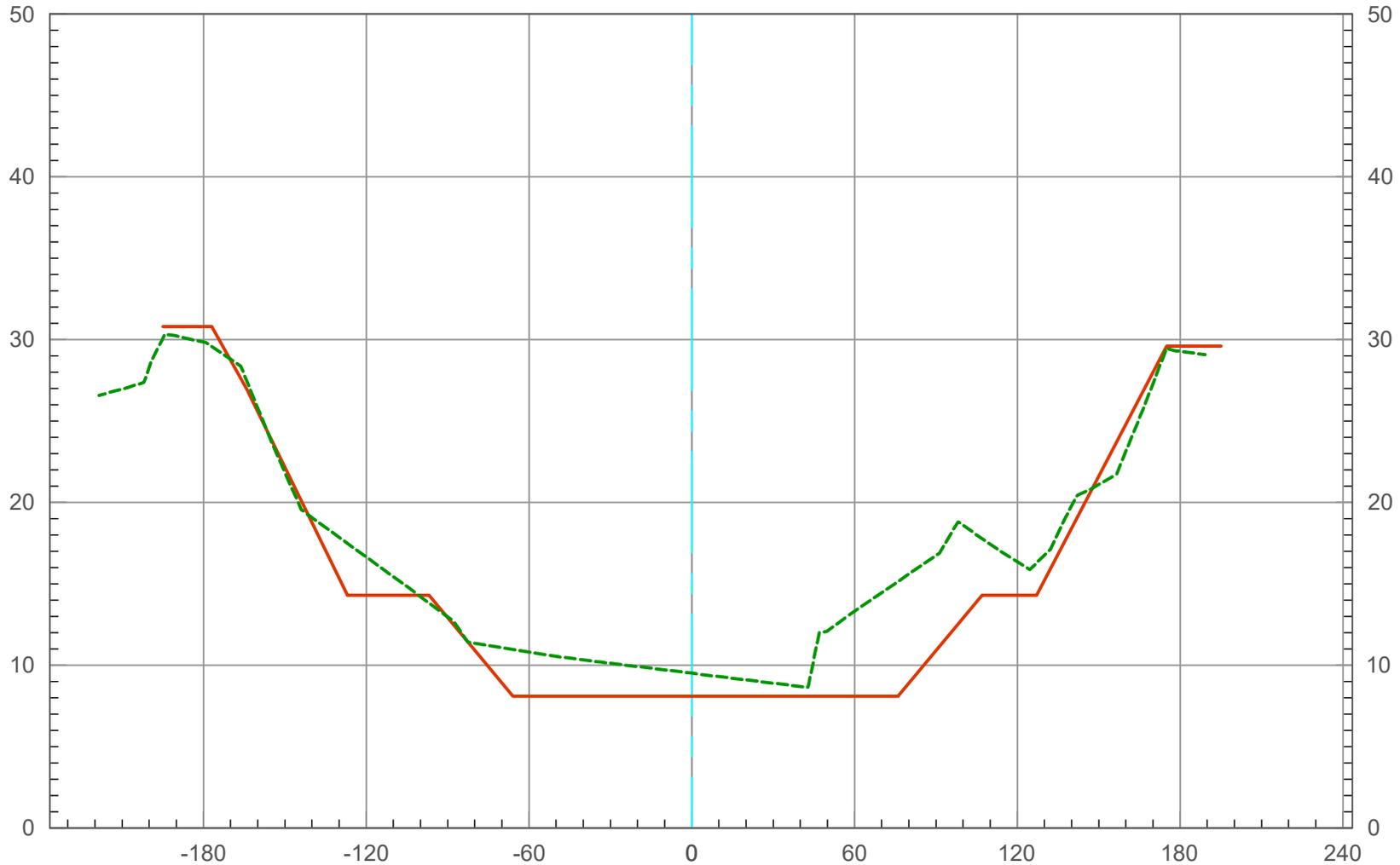
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SAN DIEGO CREEK (F05) BASIN 3 - 2025 SCOURS CL



115+00

2025 Ground 
As-Built Plan 

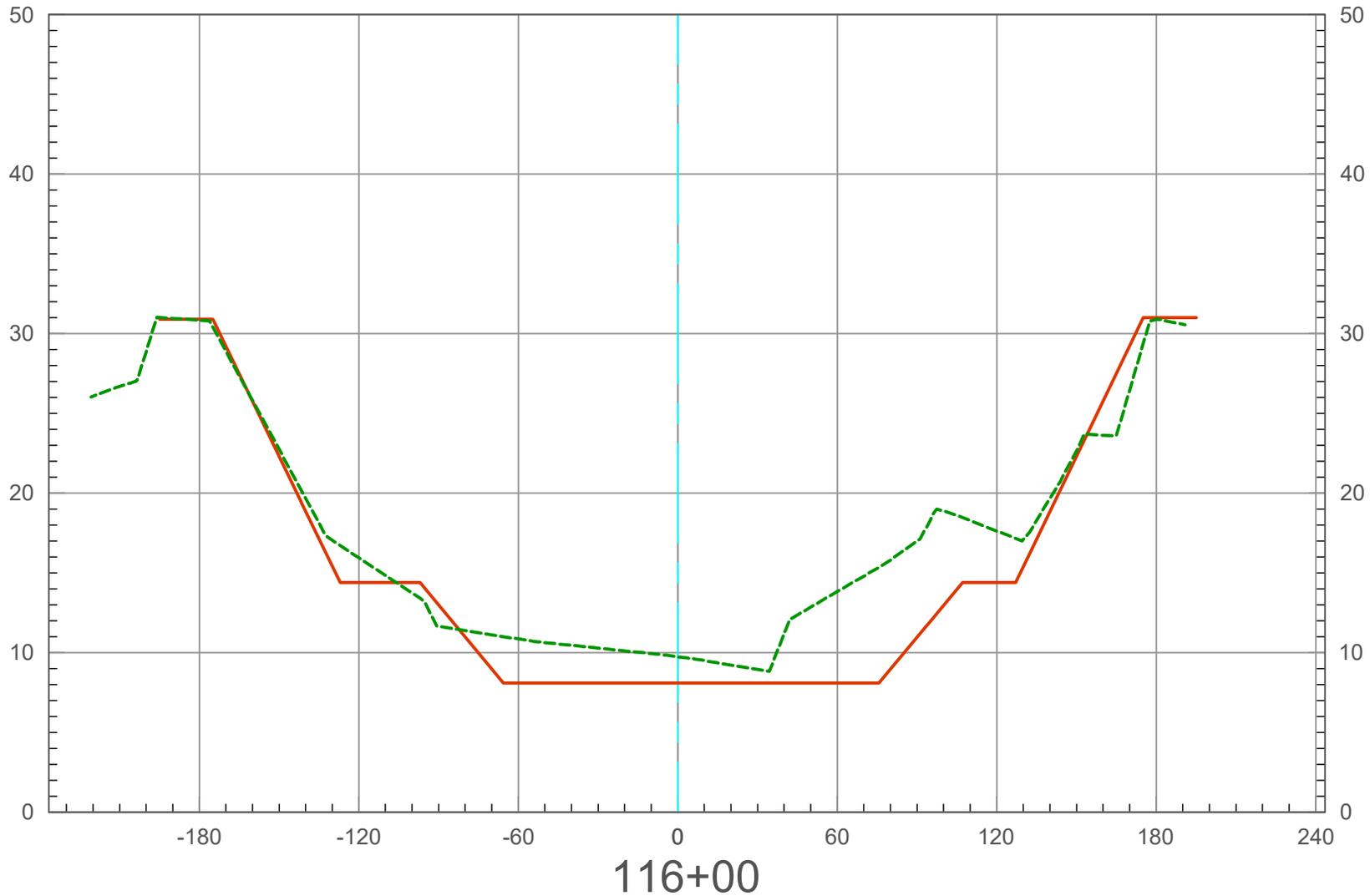
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SAN DIEGO CREEK (F05) BASIN 3 - 2025 SCOURS CL



2025 Ground 
As-Built Plan 

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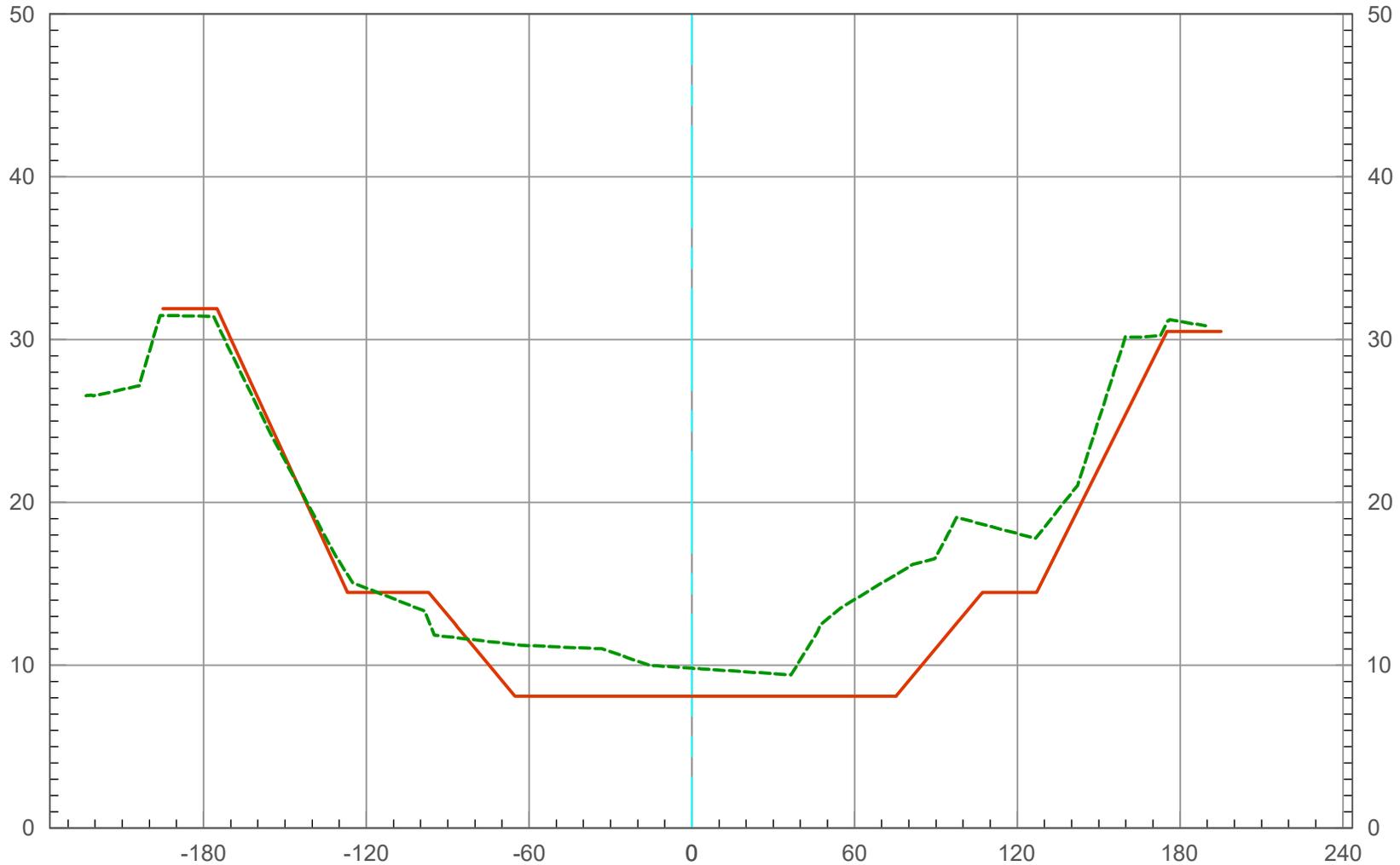
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SAN DIEGO CREEK (F05) BASIN 3 - 2025 SCOURS

CL



117+00

2025 Ground 
As-Built Plan 

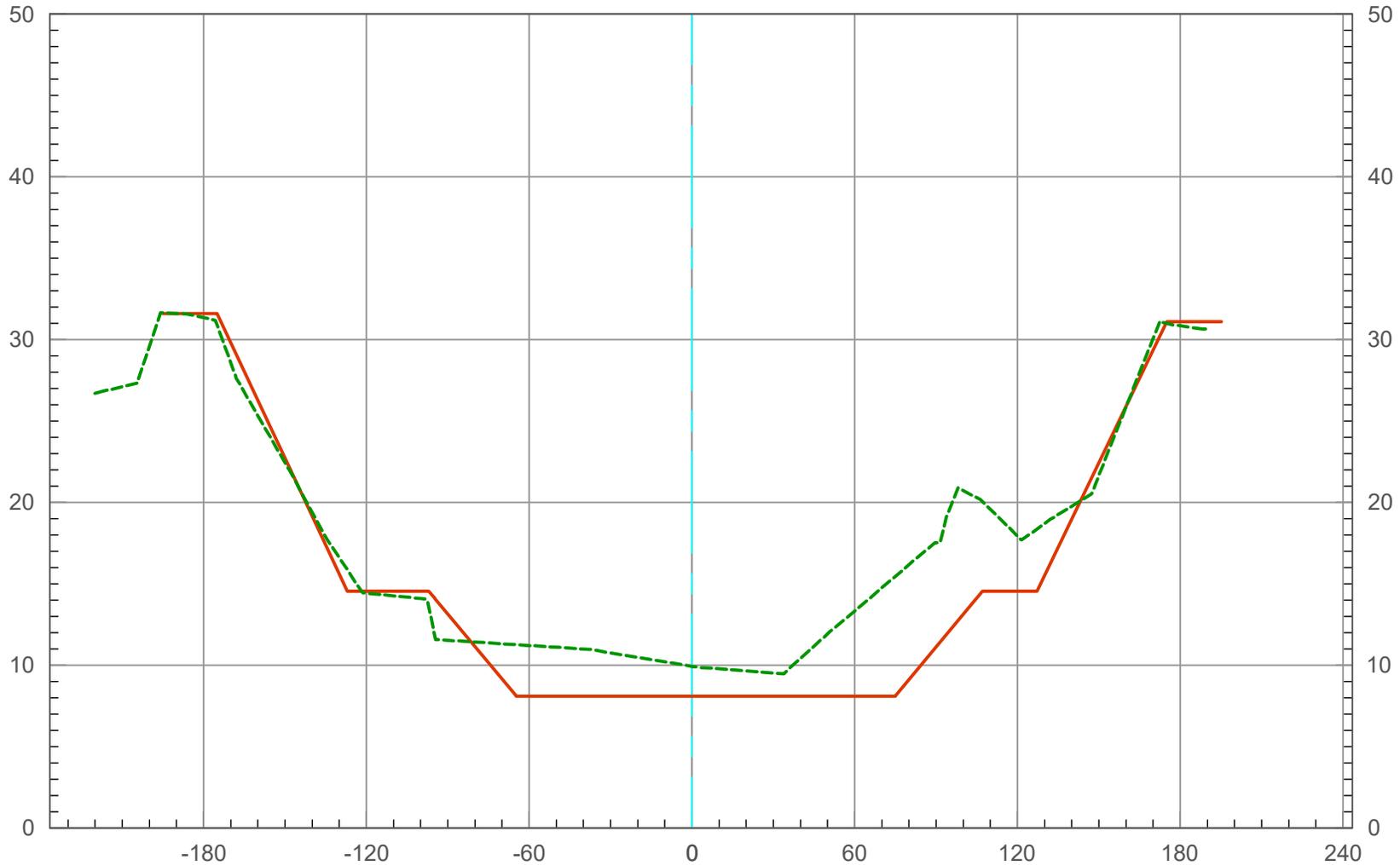
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SAN DIEGO CREEK (F05) BASIN 3 - 2025 SCOURS CL



118+00

2025 Ground 
As-Built Plan 

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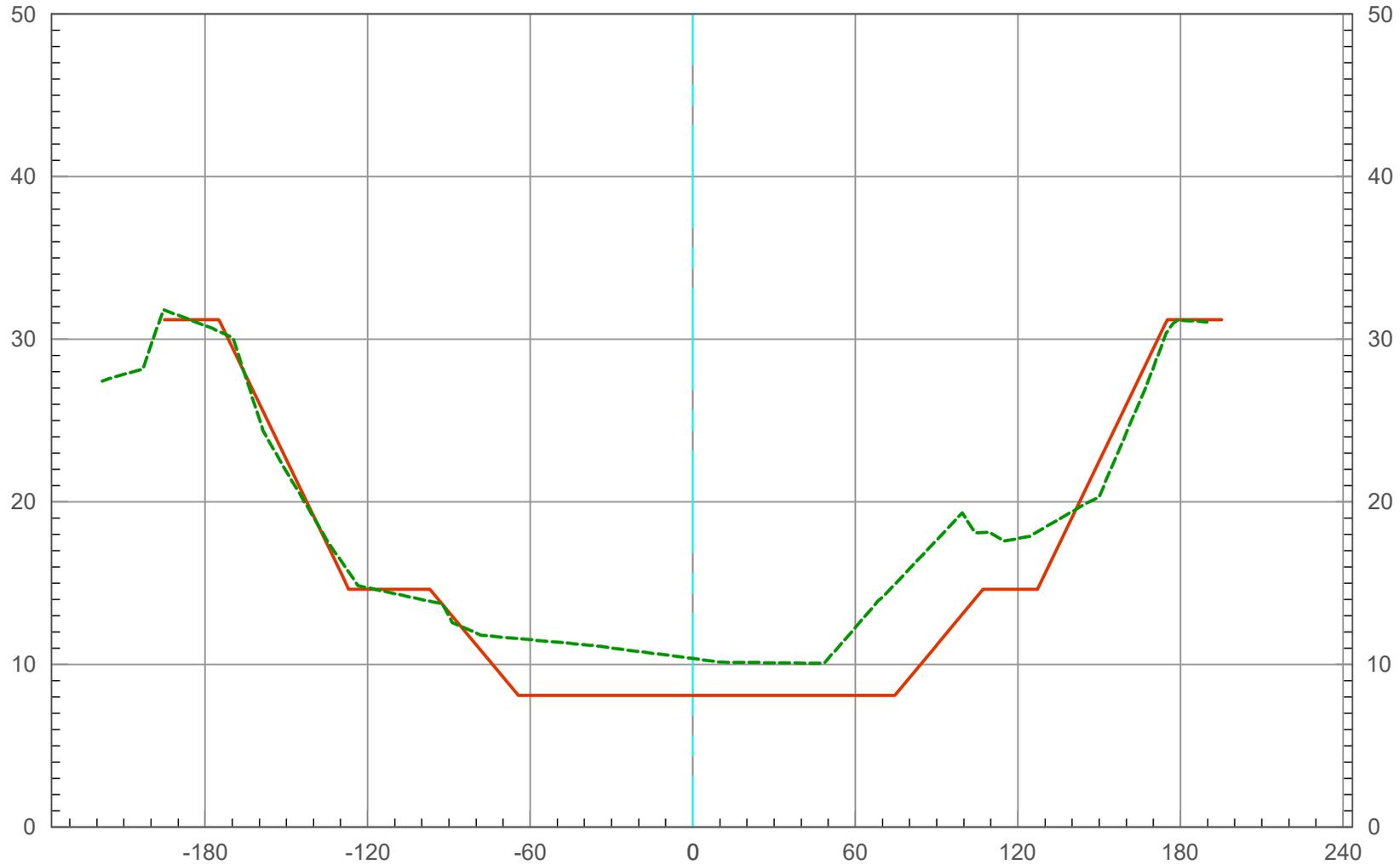
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2025 Ground 
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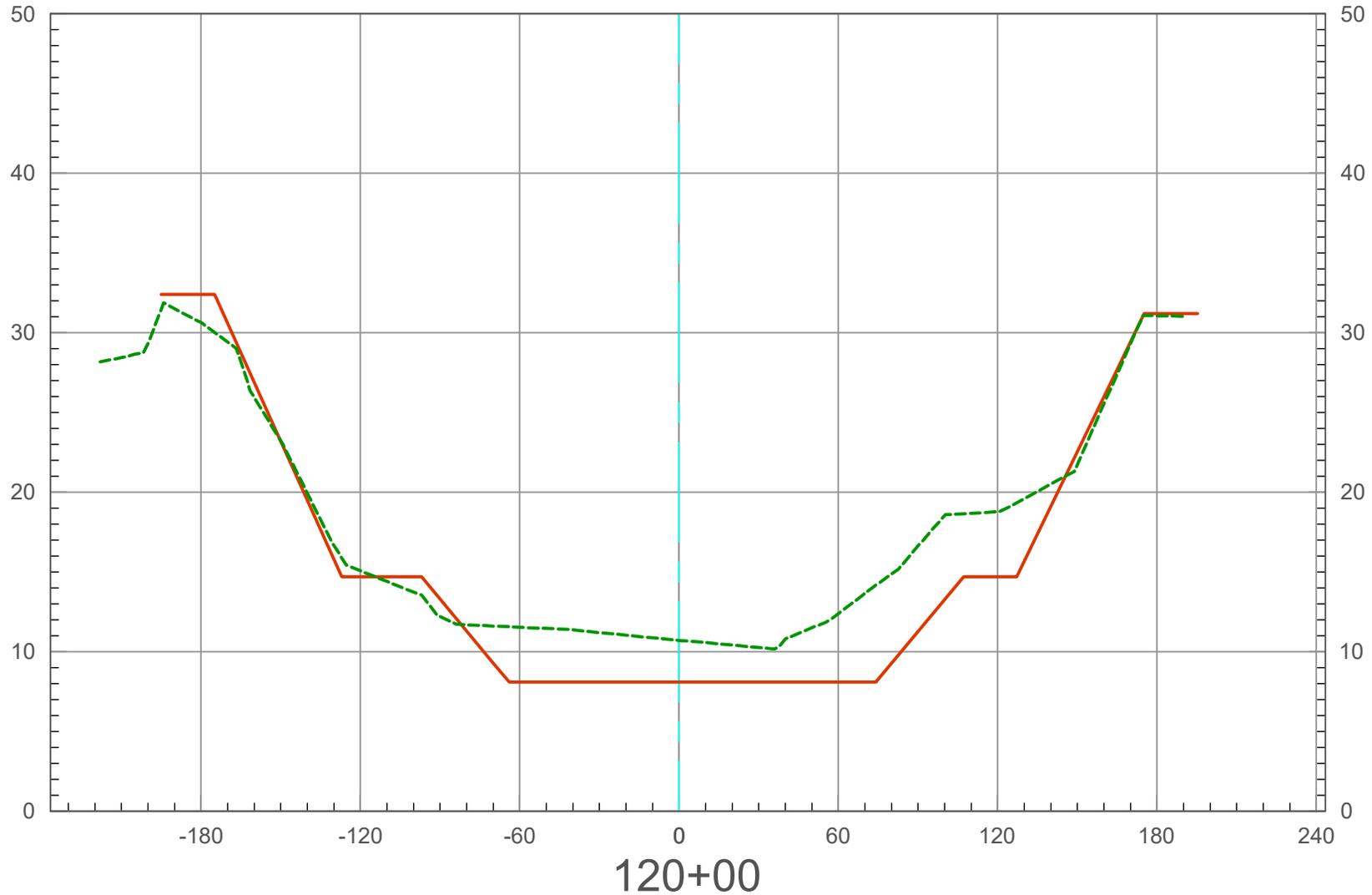
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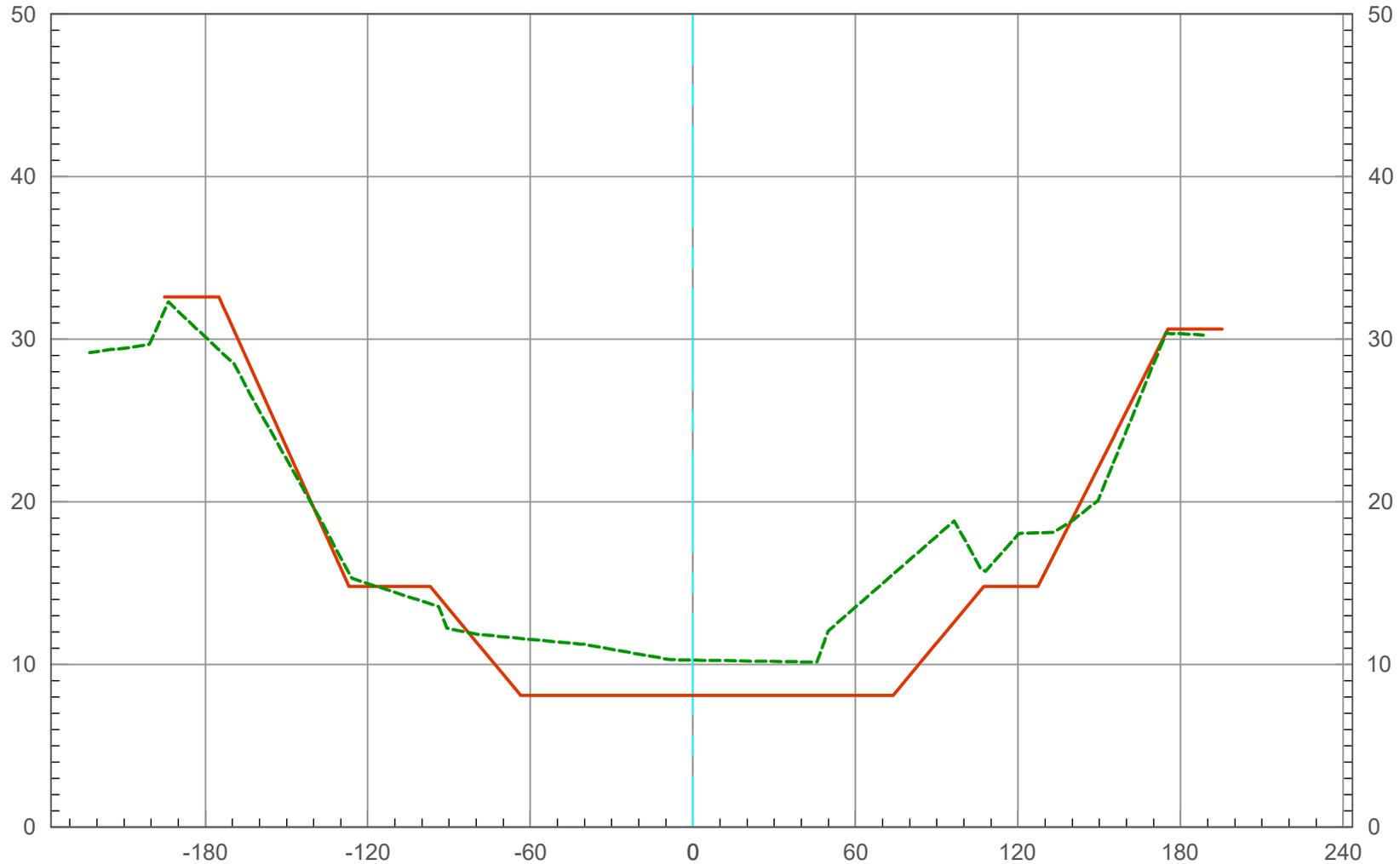
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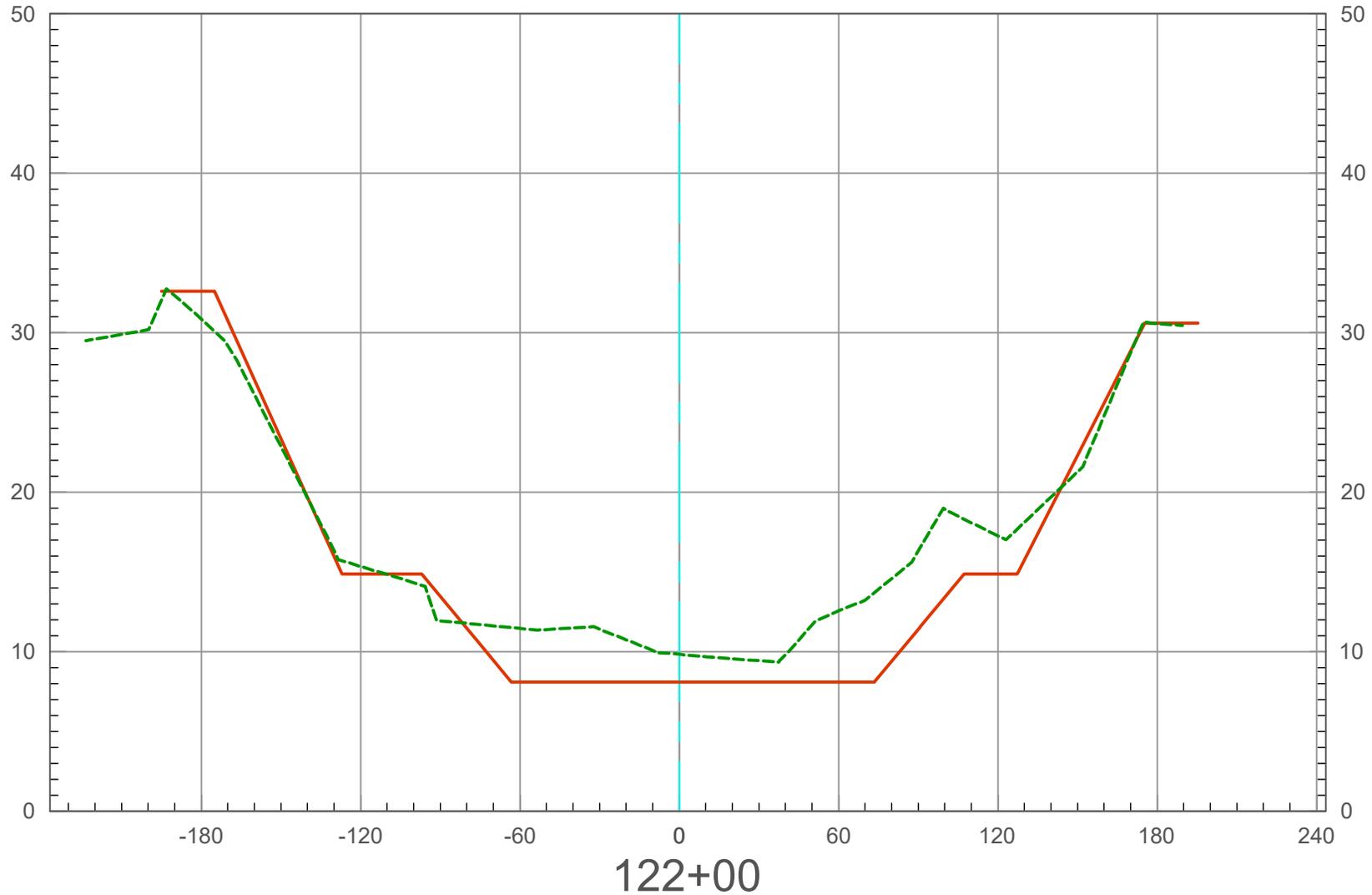
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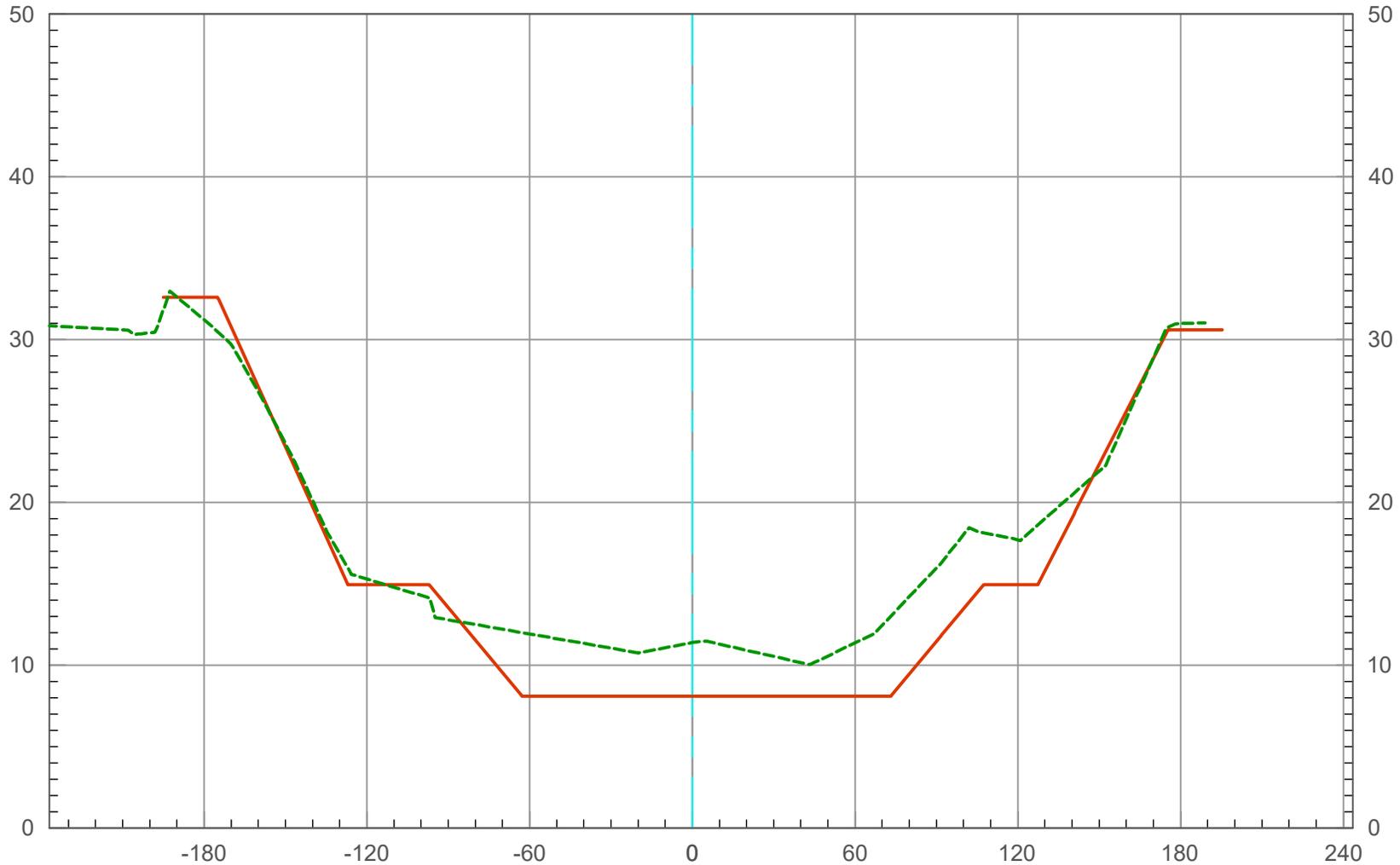
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As-Built Plan 

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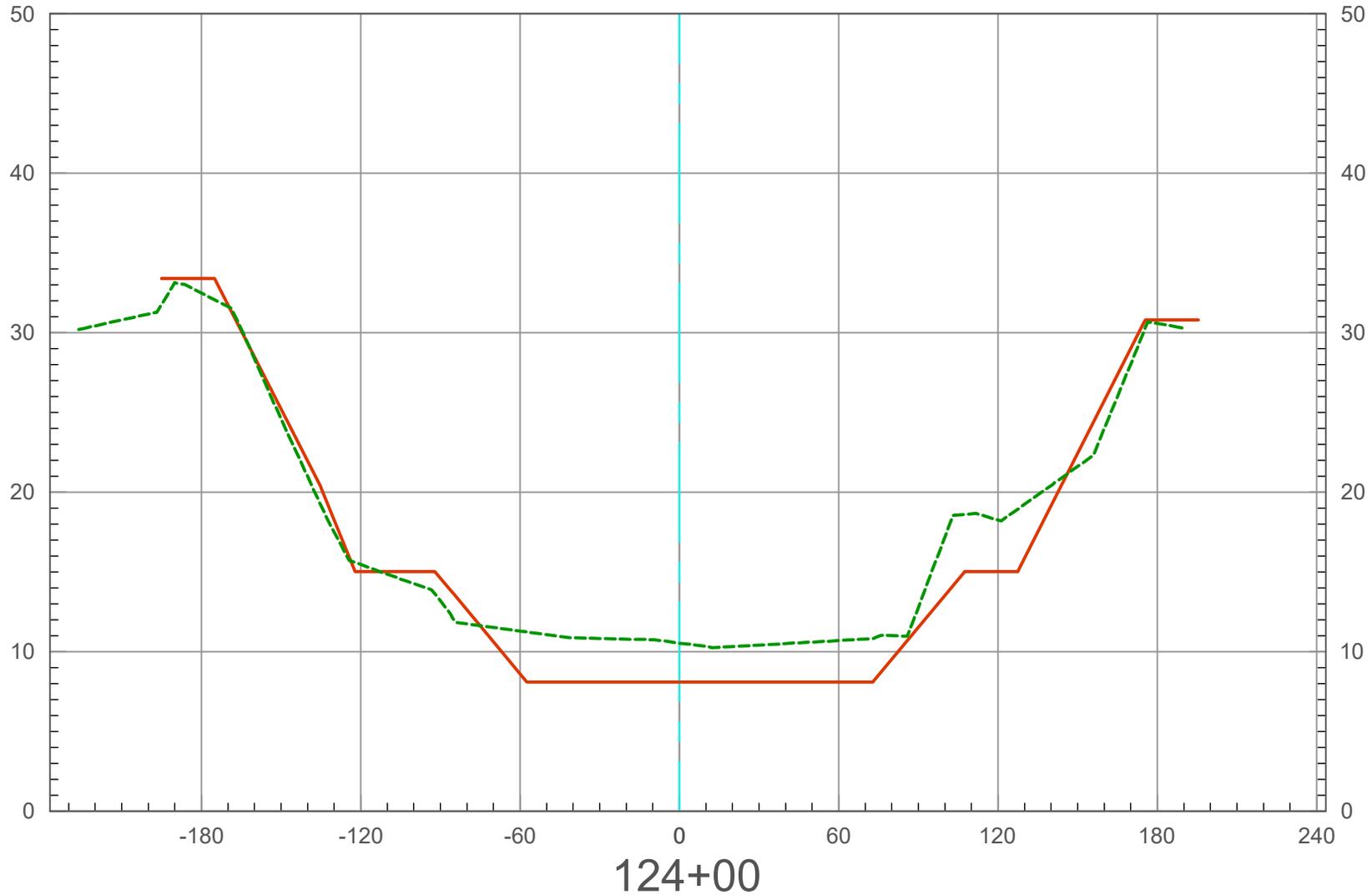
123+00

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SAN DIEGO CREEK (F05) BASIN 3 - 2025 SCOURS CL



2025 Ground 
As-Built Plan 

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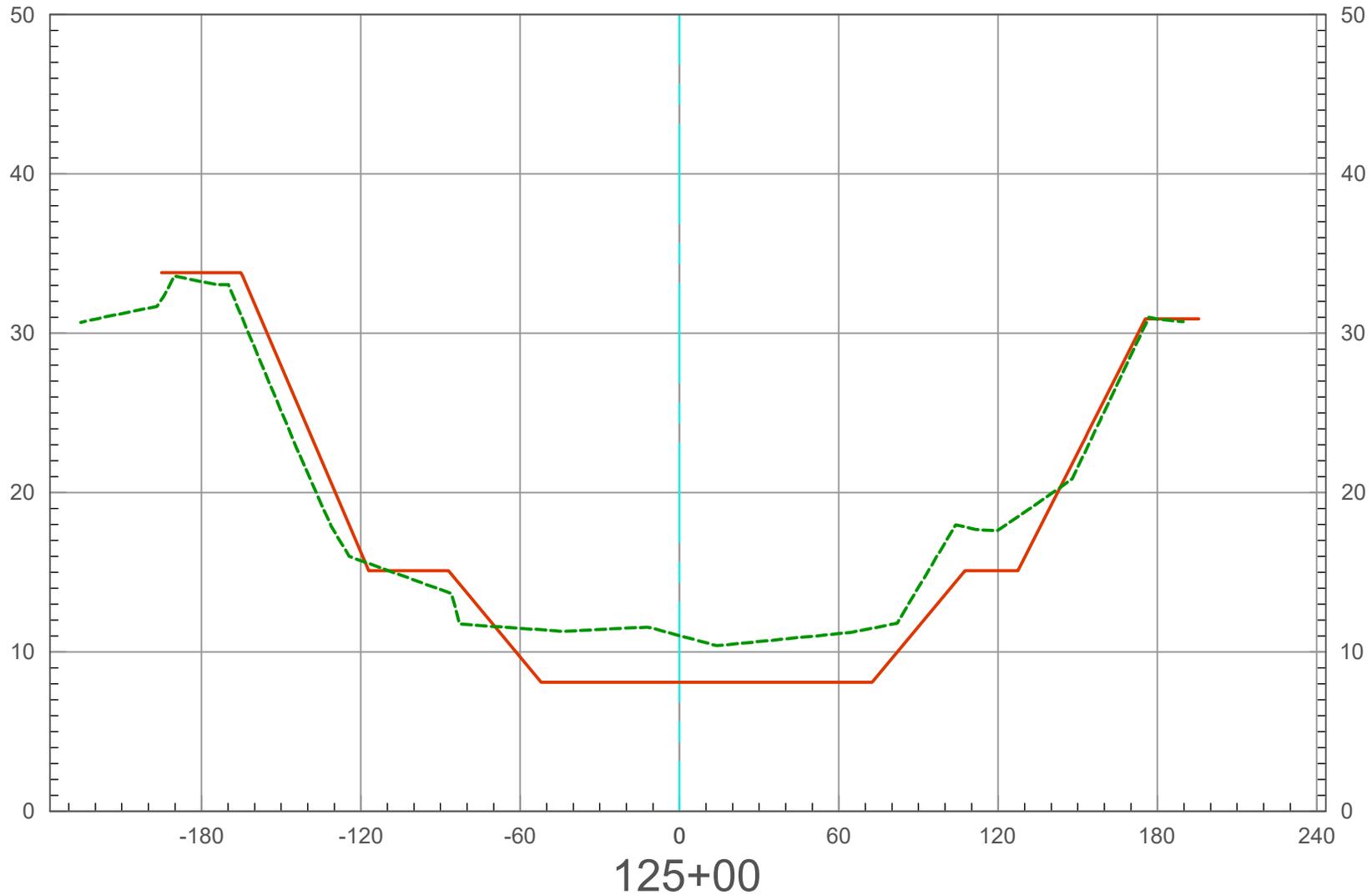
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2025 Ground 
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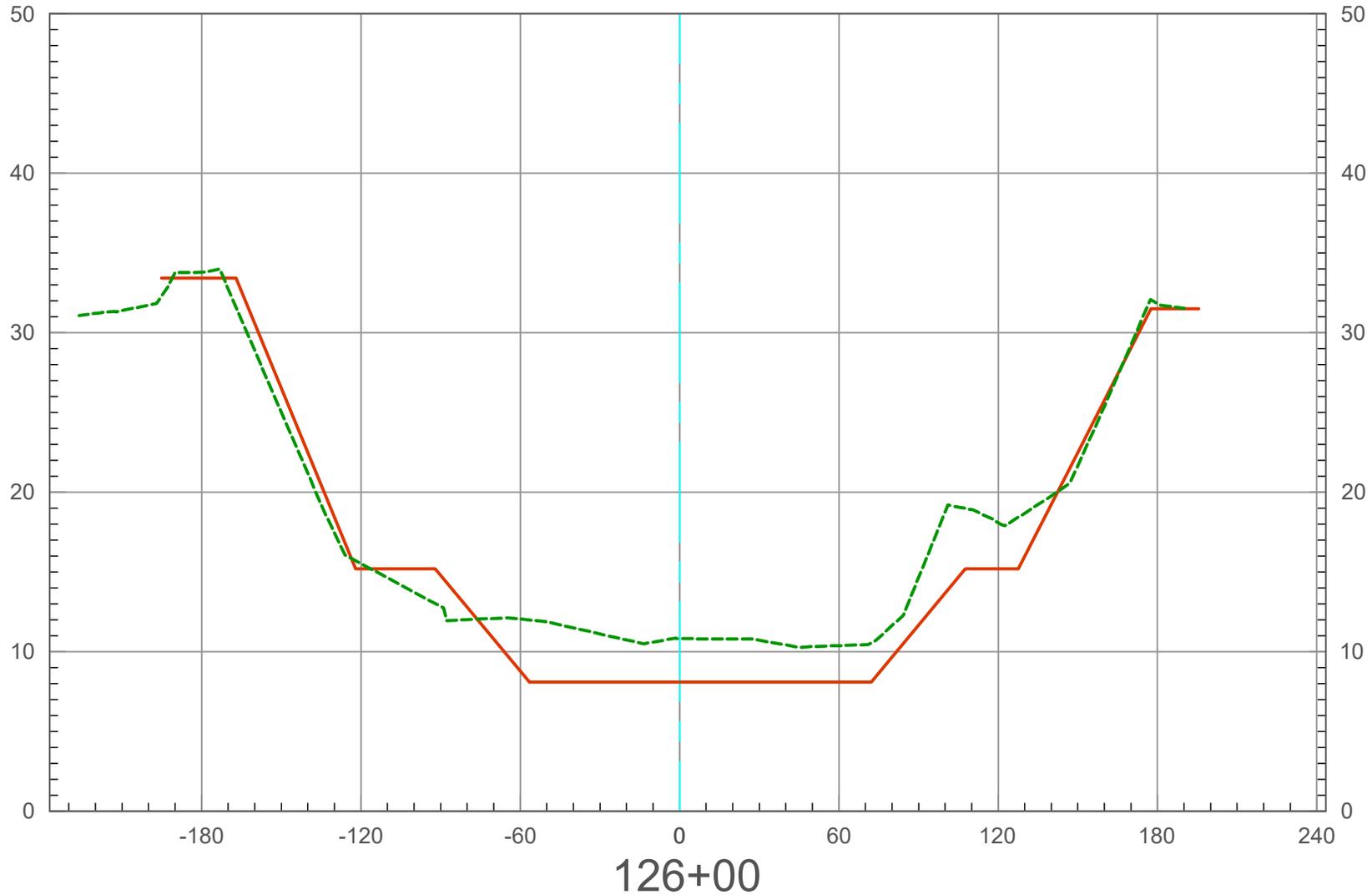
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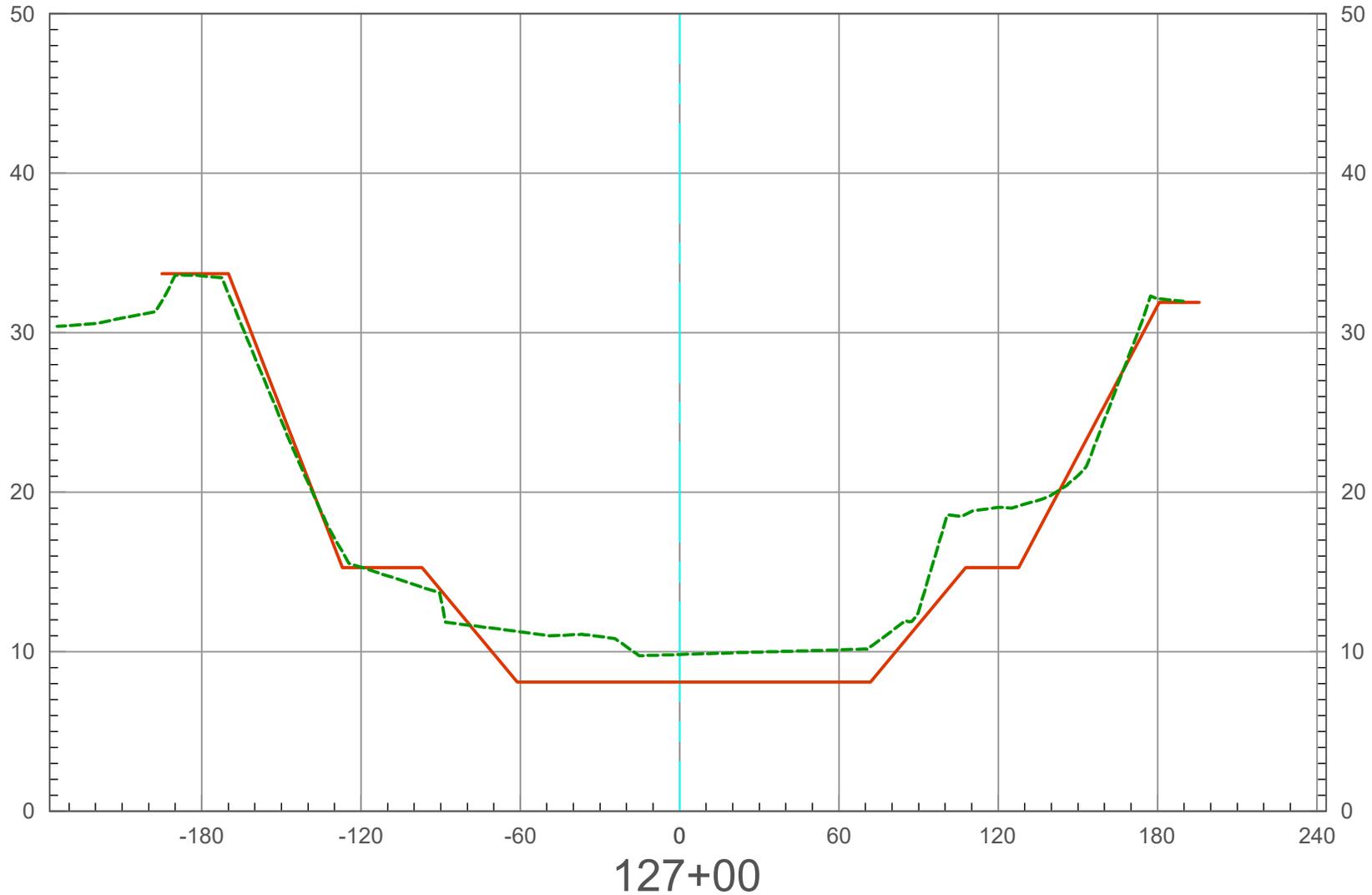
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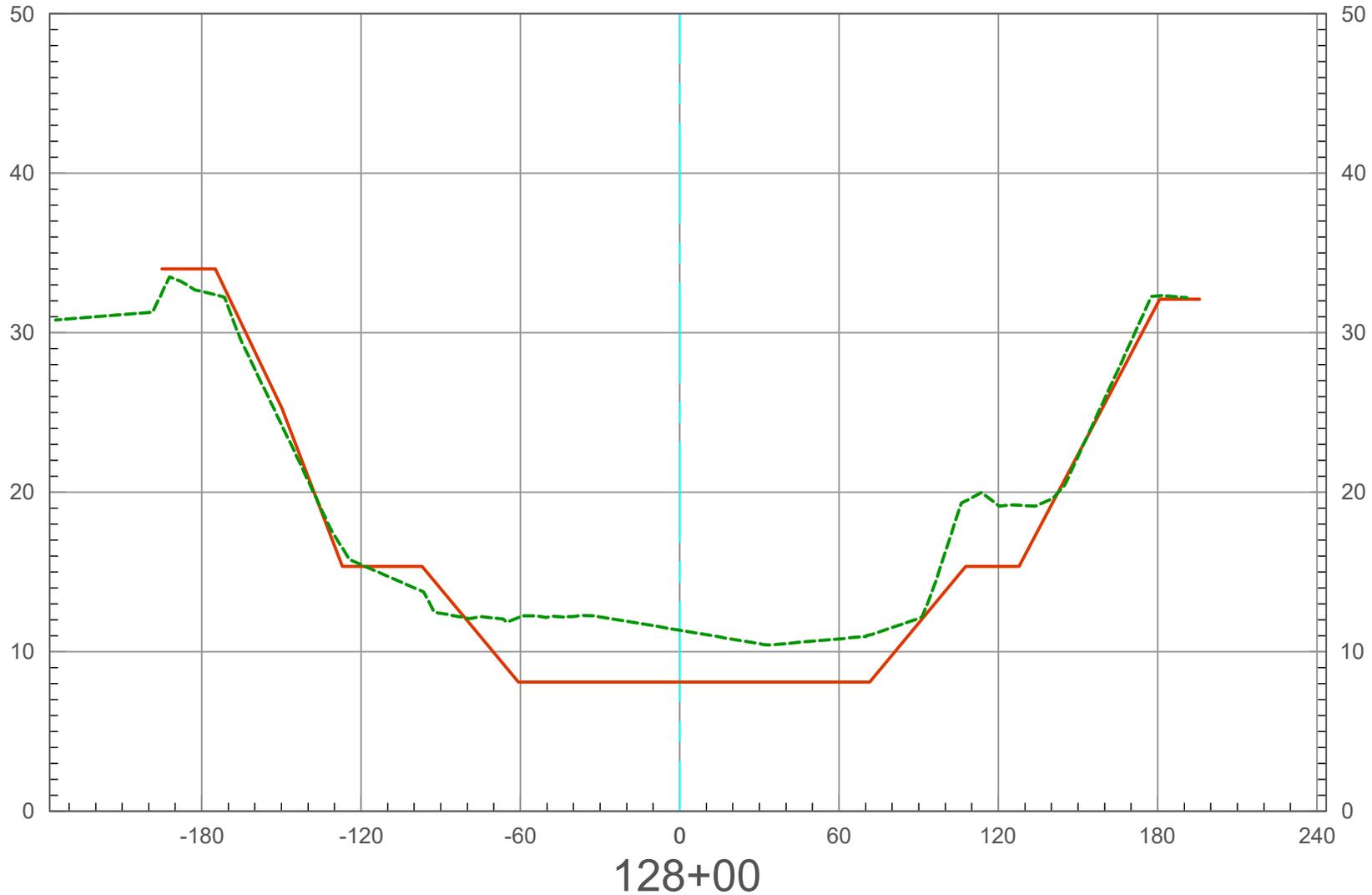
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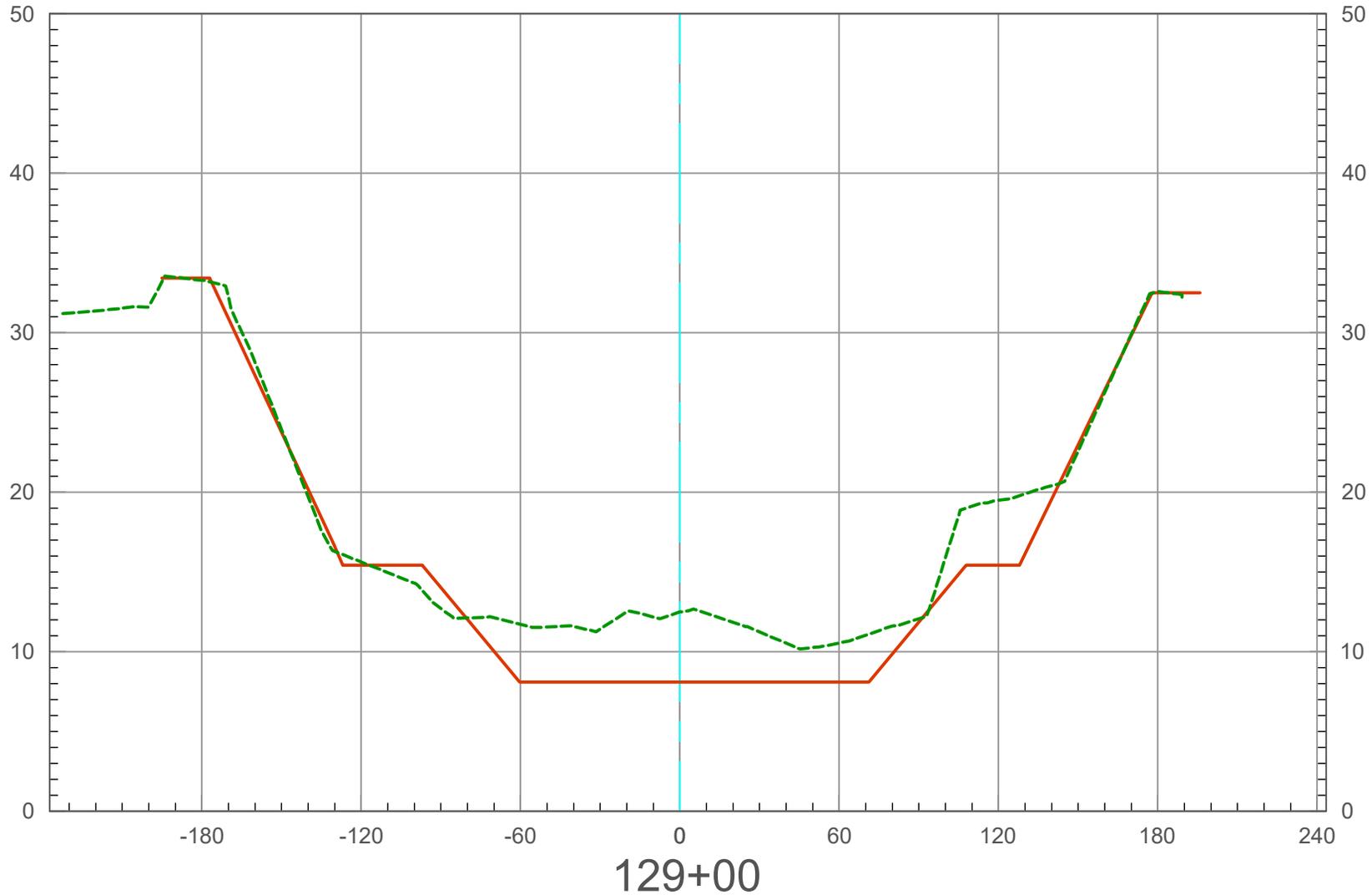
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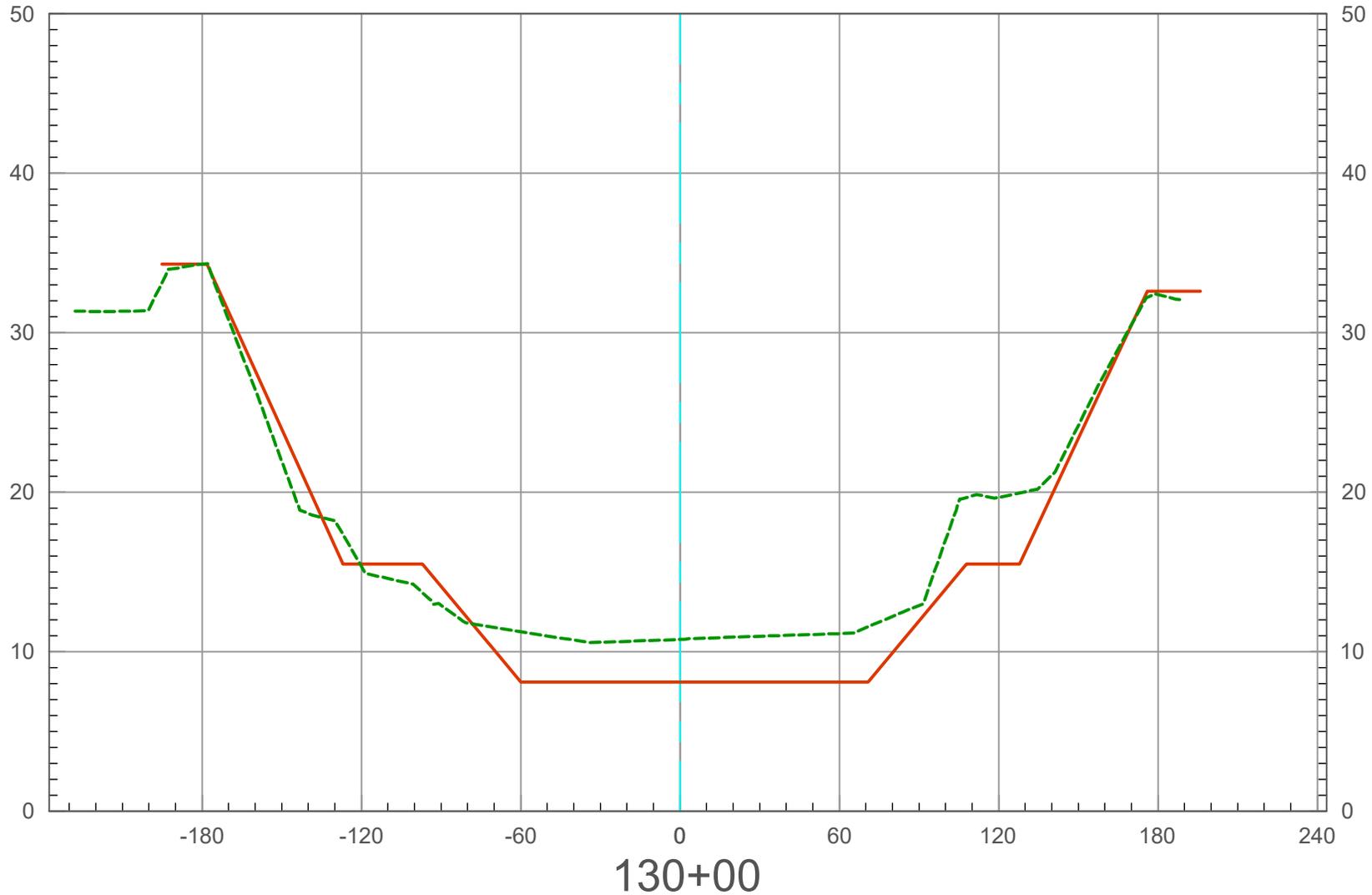
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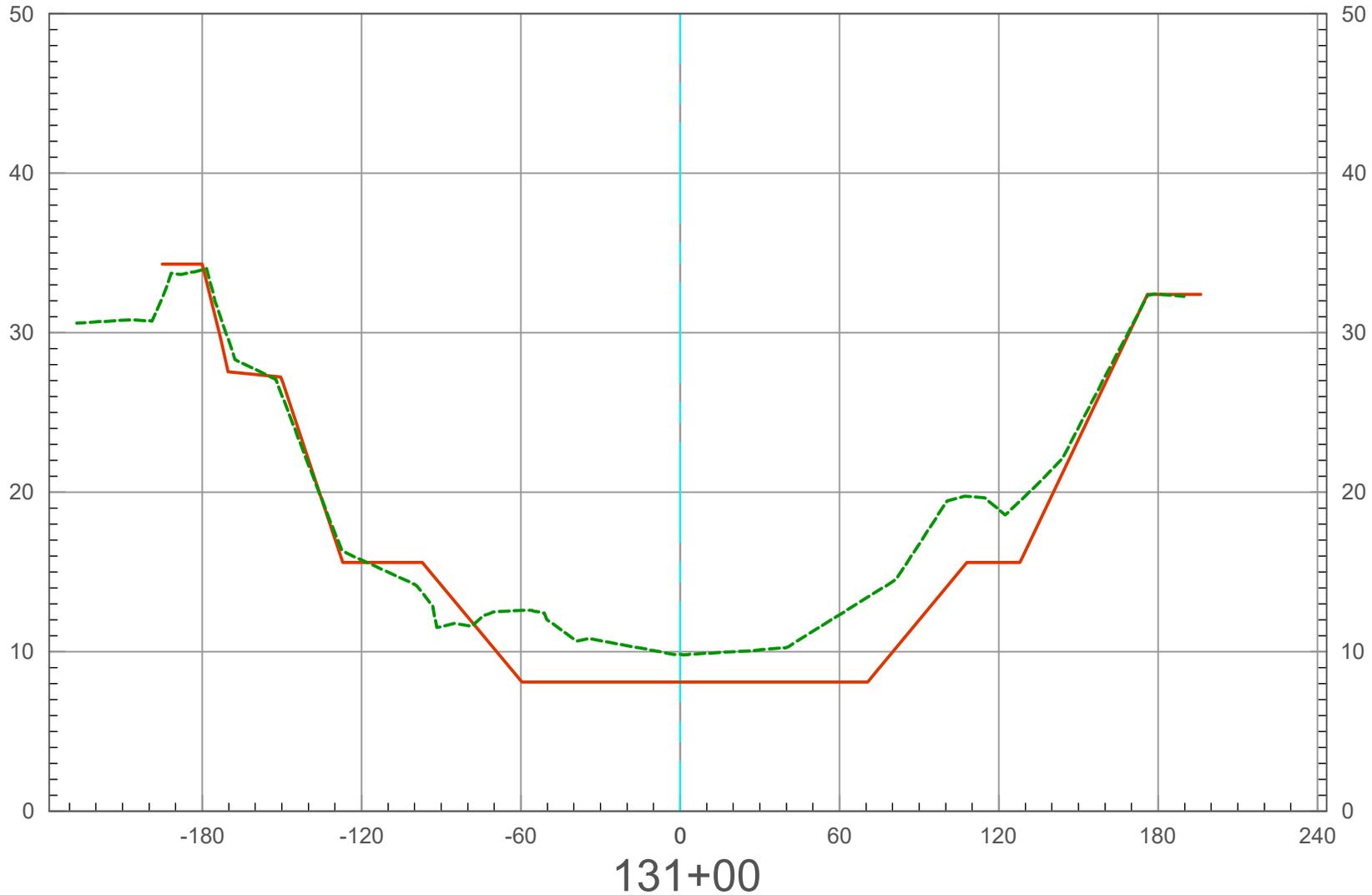
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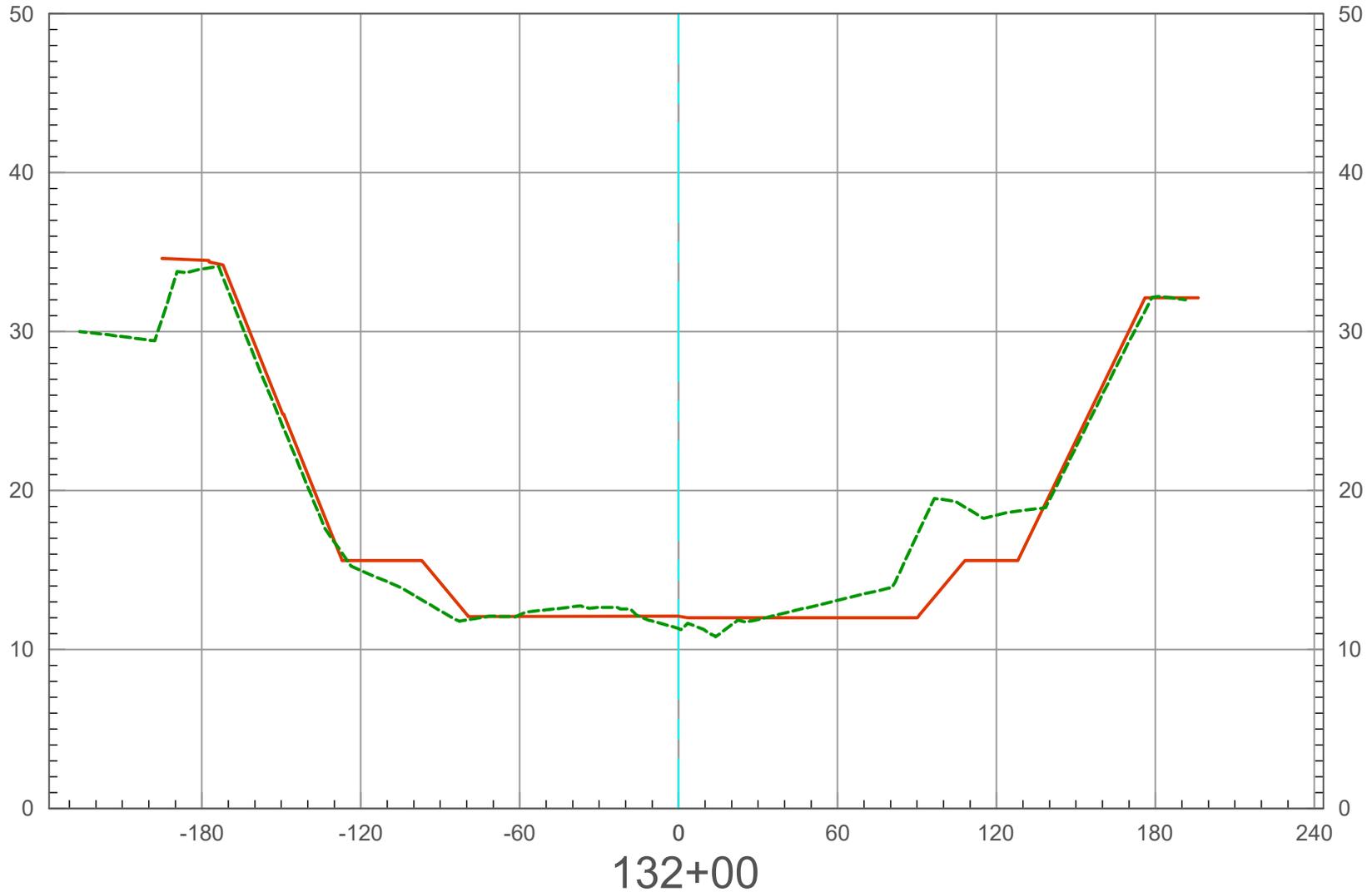
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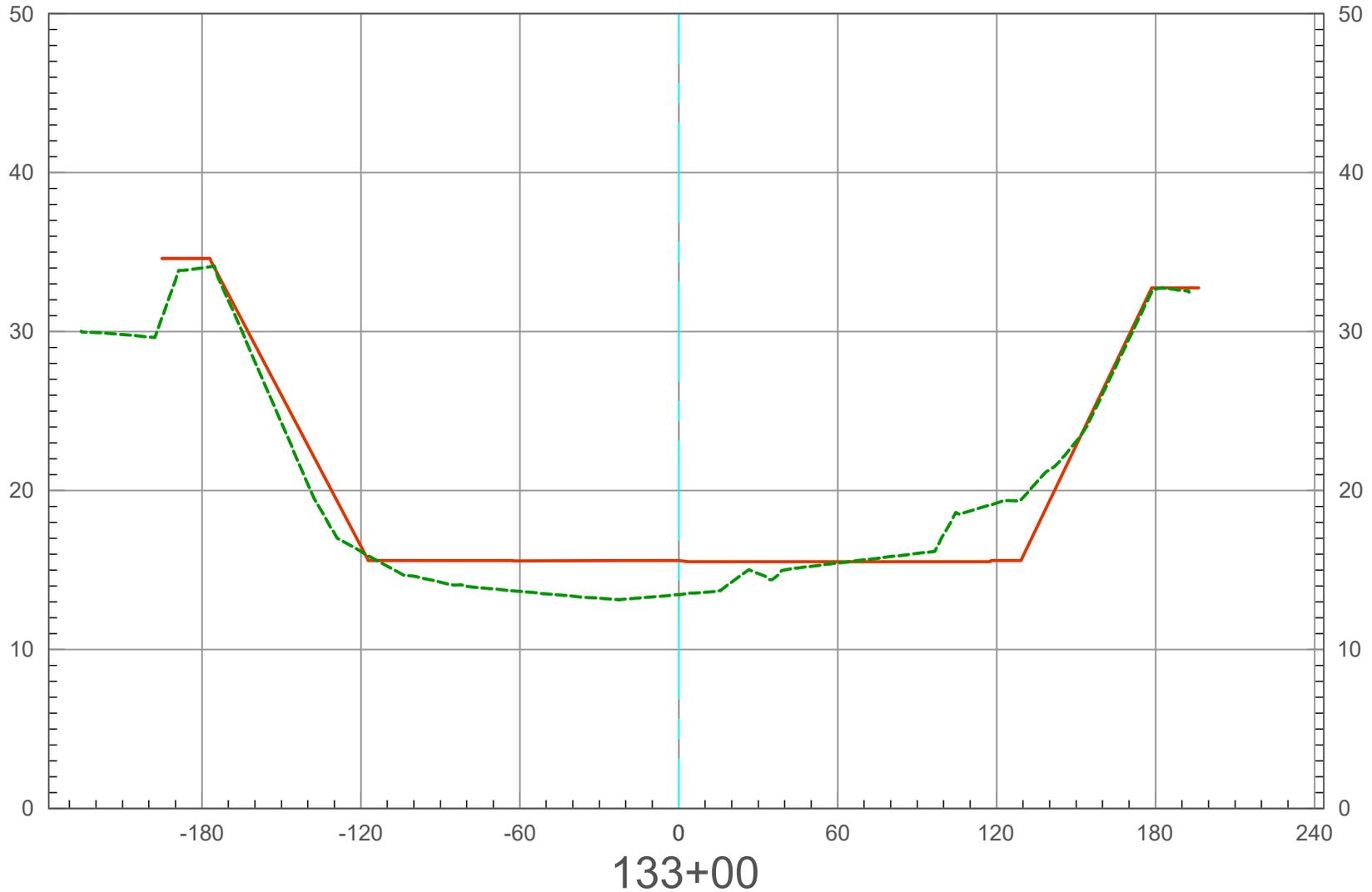
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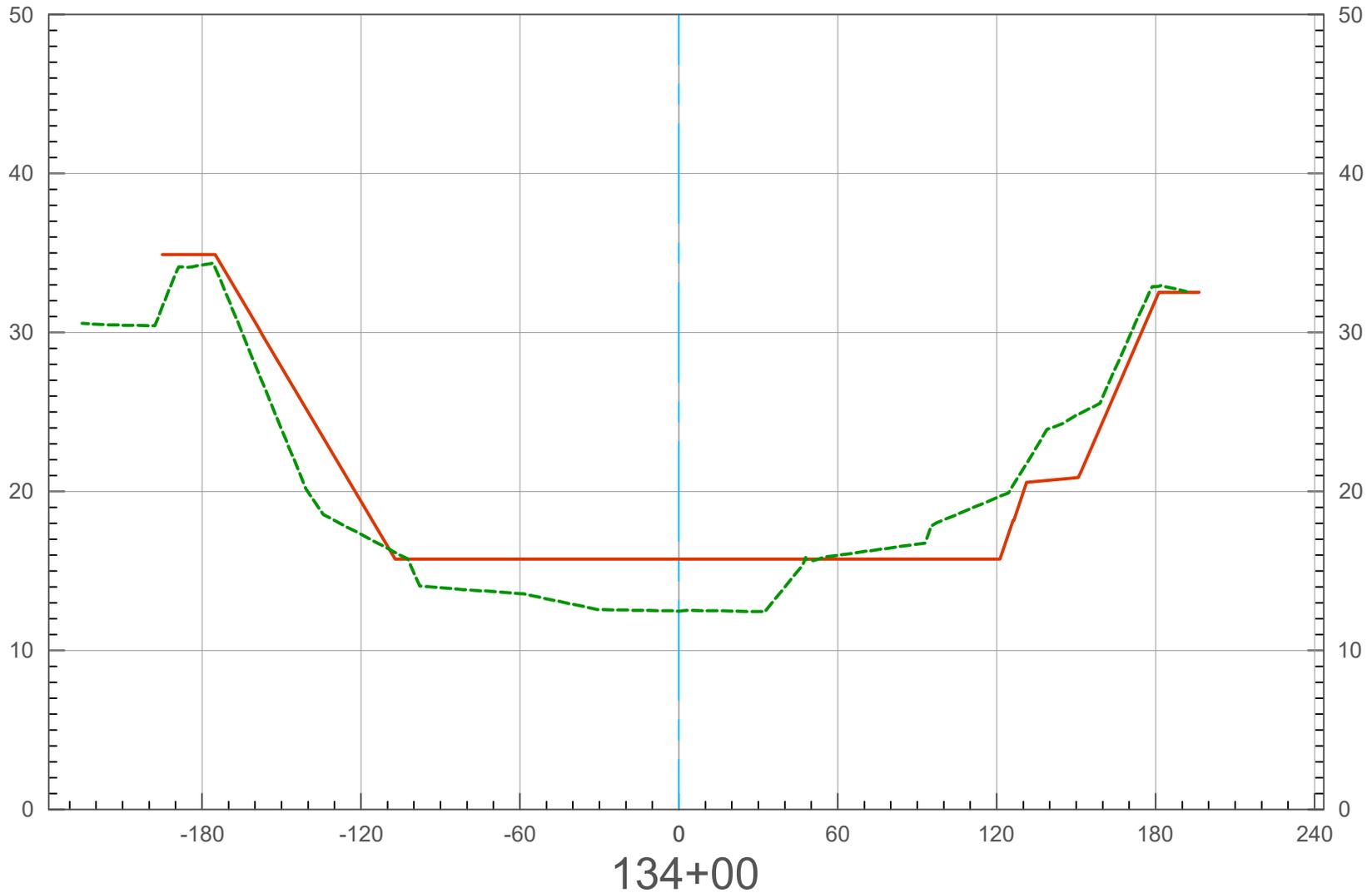
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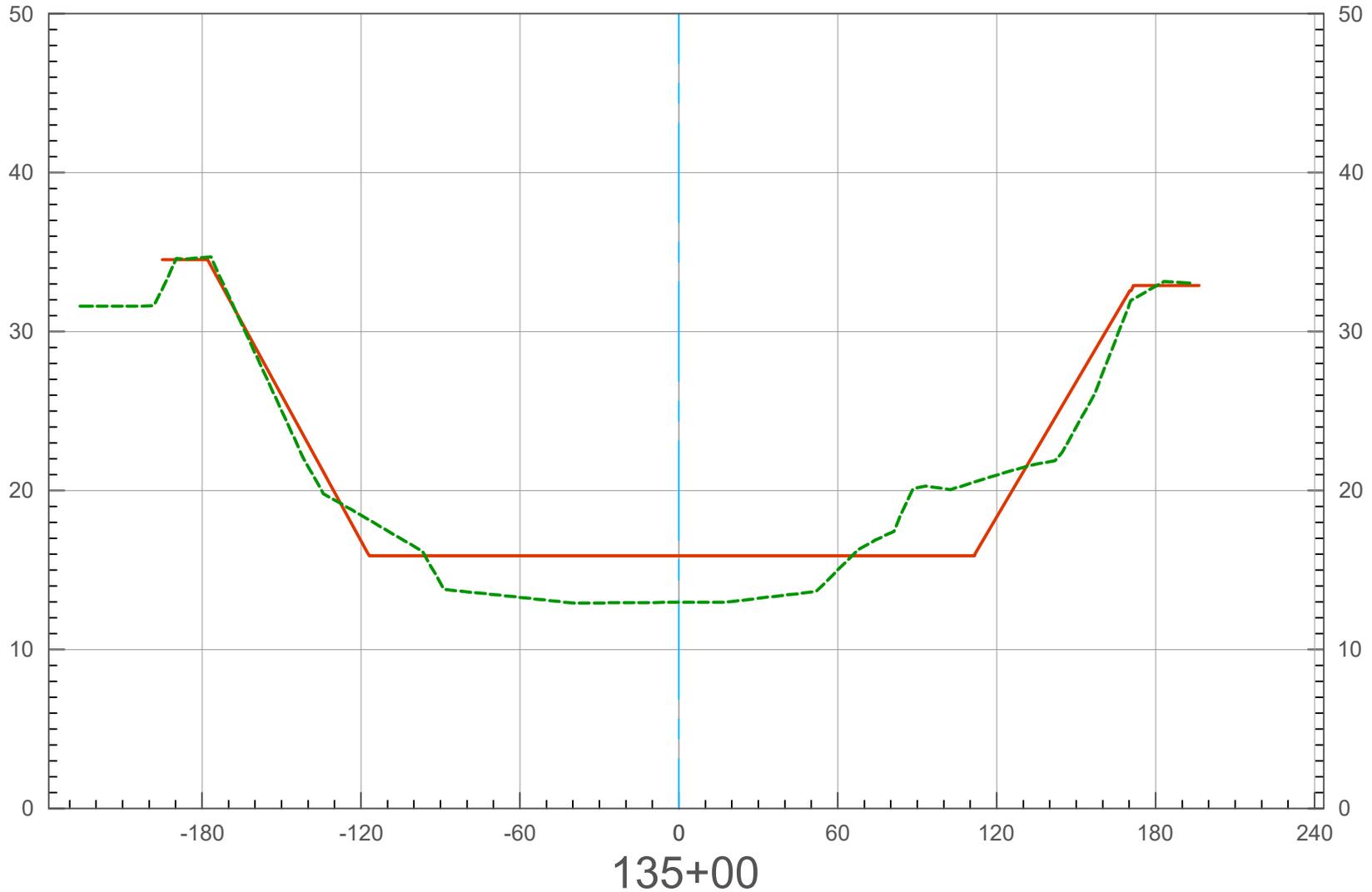
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