



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

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FIFTH DISTRICT

2025 SCOUR STUDY

SAN DIEGO CREEK CHANNEL (F05)

BASIN 2

STATIONS 82+00 to 98+00

AS-BUILT PLANS: F05-101-1-A STA. 25+00 TO 98+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 #2, STATION 82+00 TO 98+00
 Date of Survey October 2025

ALIGNMENT: CENTERLINE ALIGNMENT REACH 1
 SURFACE 1: SAN DIEGO CREEK BASIN 2 & 3 2025
 SURFACE 2: F05B2-2010 Rev 3 (As-Built Plan Template)

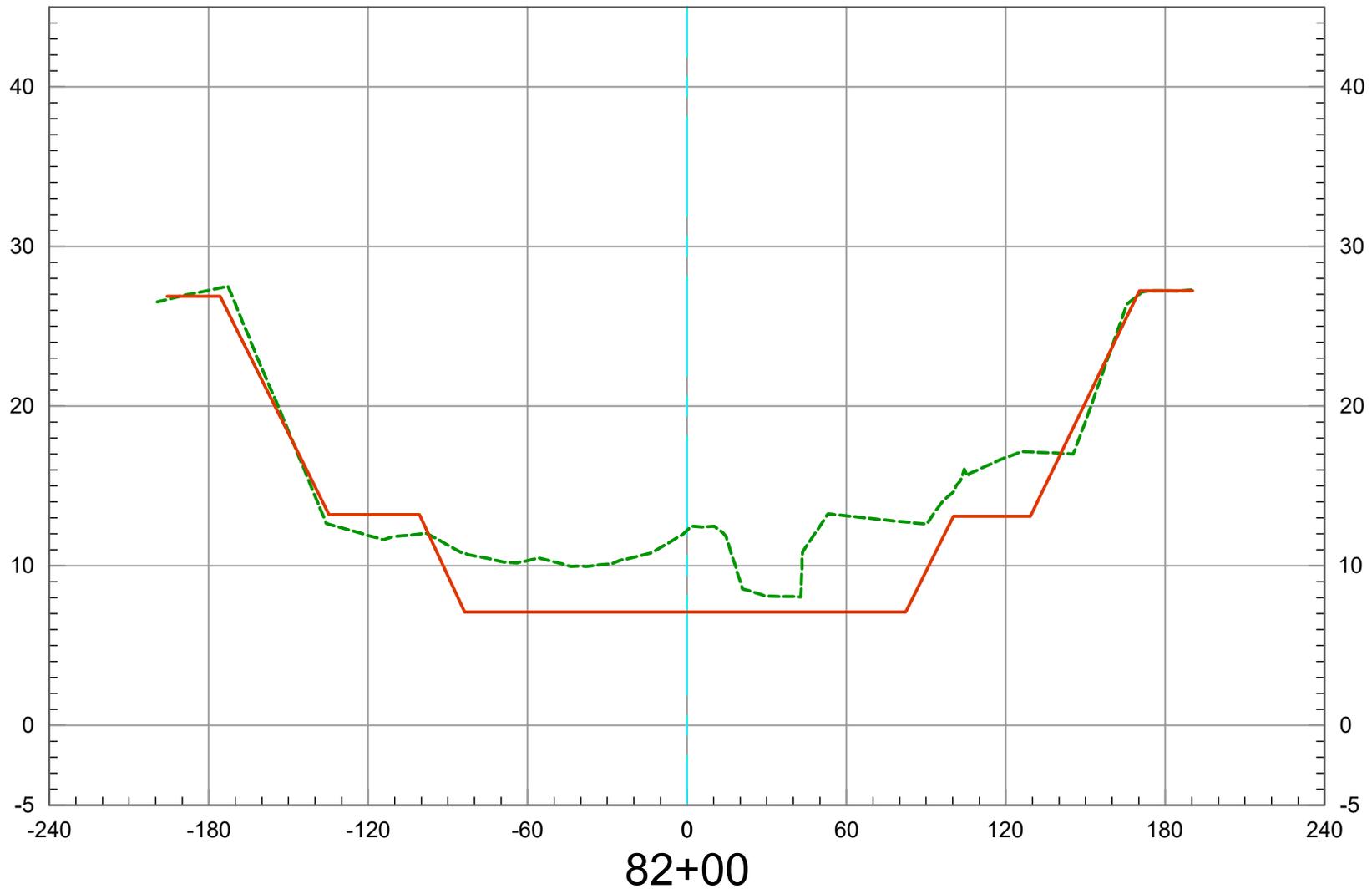
BASILINE	STATION	STATION	STATION	STATION	MASS
STATION	CUT	CUT	FILL	FILL	ORDINANCE
NUMBER	AREA	VOLUME	AREA	VOLUME	VOLUME
	(Sq. Ft)	(Cu. Yds)	(Sq. Ft)	(Cu. Yds)	(Cu. Yds)
82+00	852.22	0.00	65.98	0.00	0.00
83+00	670.40	2819.68	133.21	368.87	2450.81
84+00	731.21	2595.57	117.23	463.77	4582.61
85+00	626.05	2513.44	87.65	379.39	6716.66
86+00	573.37	2221.14	122.68	389.49	8548.31
87+00	632.15	2232.45	145.36	496.38	10284.38
88+00	690.45	2449.28	154.62	555.53	12178.13
89+00	550.75	2298.53	175.99	612.24	13864.42
90+00	457.03	1866.26	78.36	471.02	15259.66
91+00	424.78	1632.97	92.02	315.52	16577.11
92+00	413.86	1553.03	140.76	431.06	17699.08
93+00	370.88	1453.22	262.30	746.41	18405.89
94+00	436.54	1495.22	179.33	817.83	19083.28
95+00	466.47	1672.23	241.03	778.43	19977.08
96+00	514.64	1816.88	145.07	714.99	21078.97
97+00	709.31	2266.59	126.55	503.00	22842.56
98+00	773.68	2746.28	197.33	599.79	24989.05
		33,632.77 Cu. Yds		8,643.72 Cu. Yds	NET CUT: 24,989.05 Cu. Yds

U.S. Survey Foot

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



SAN DIEGO CREEK (F05) BASIN 2 - 2025 SCOURS CL



2025 Ground 
As-Built Plan 

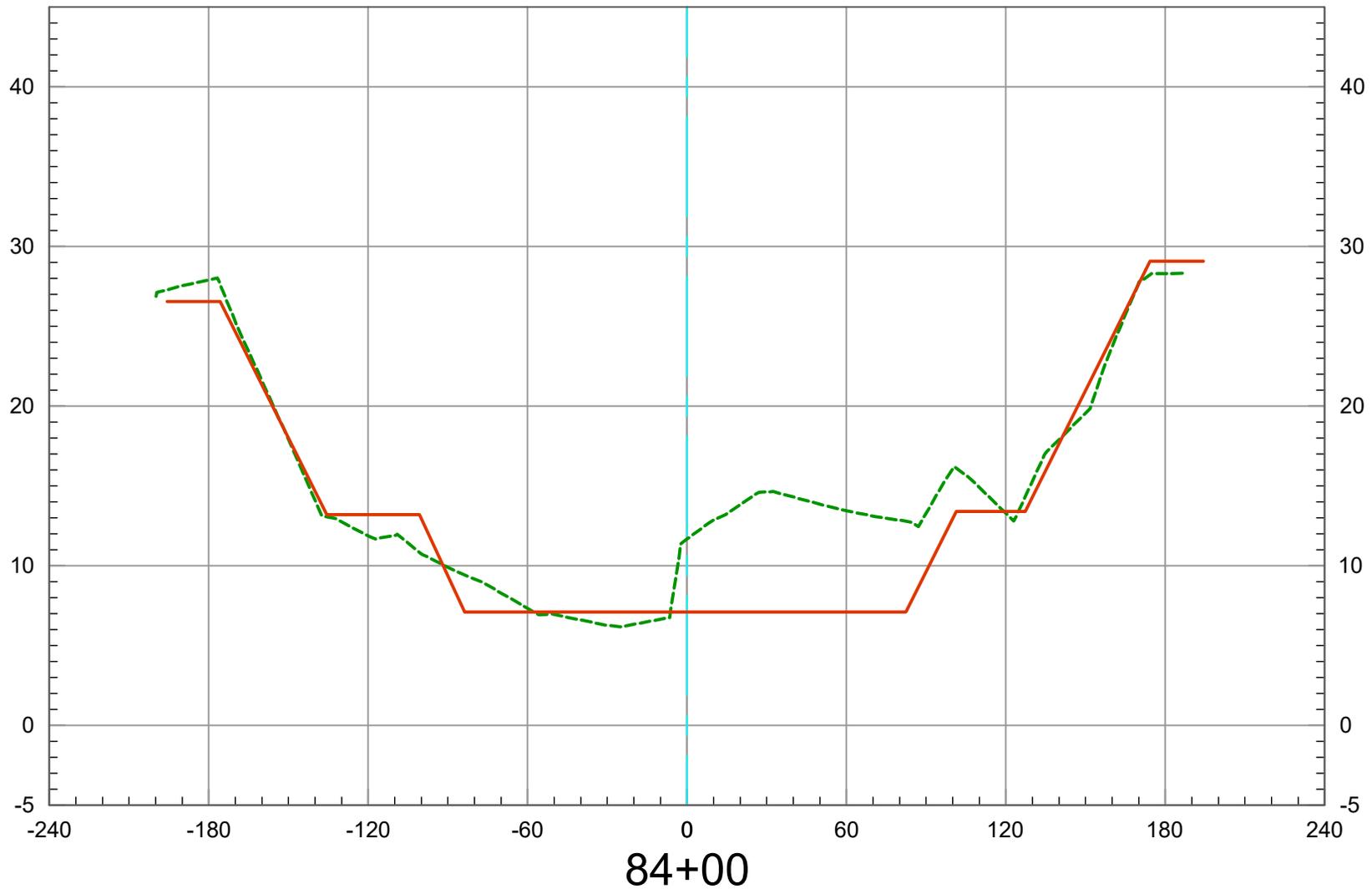
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

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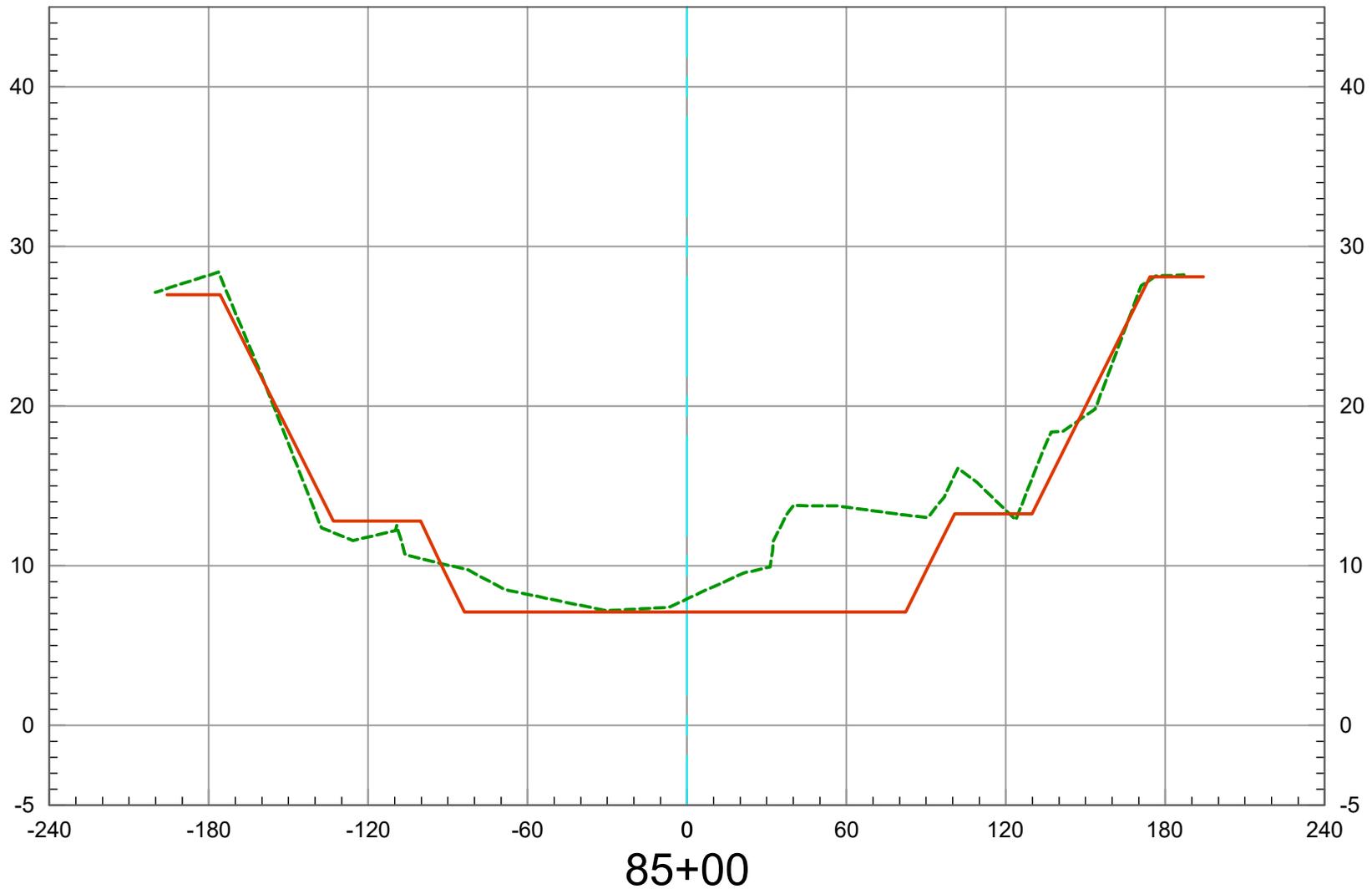
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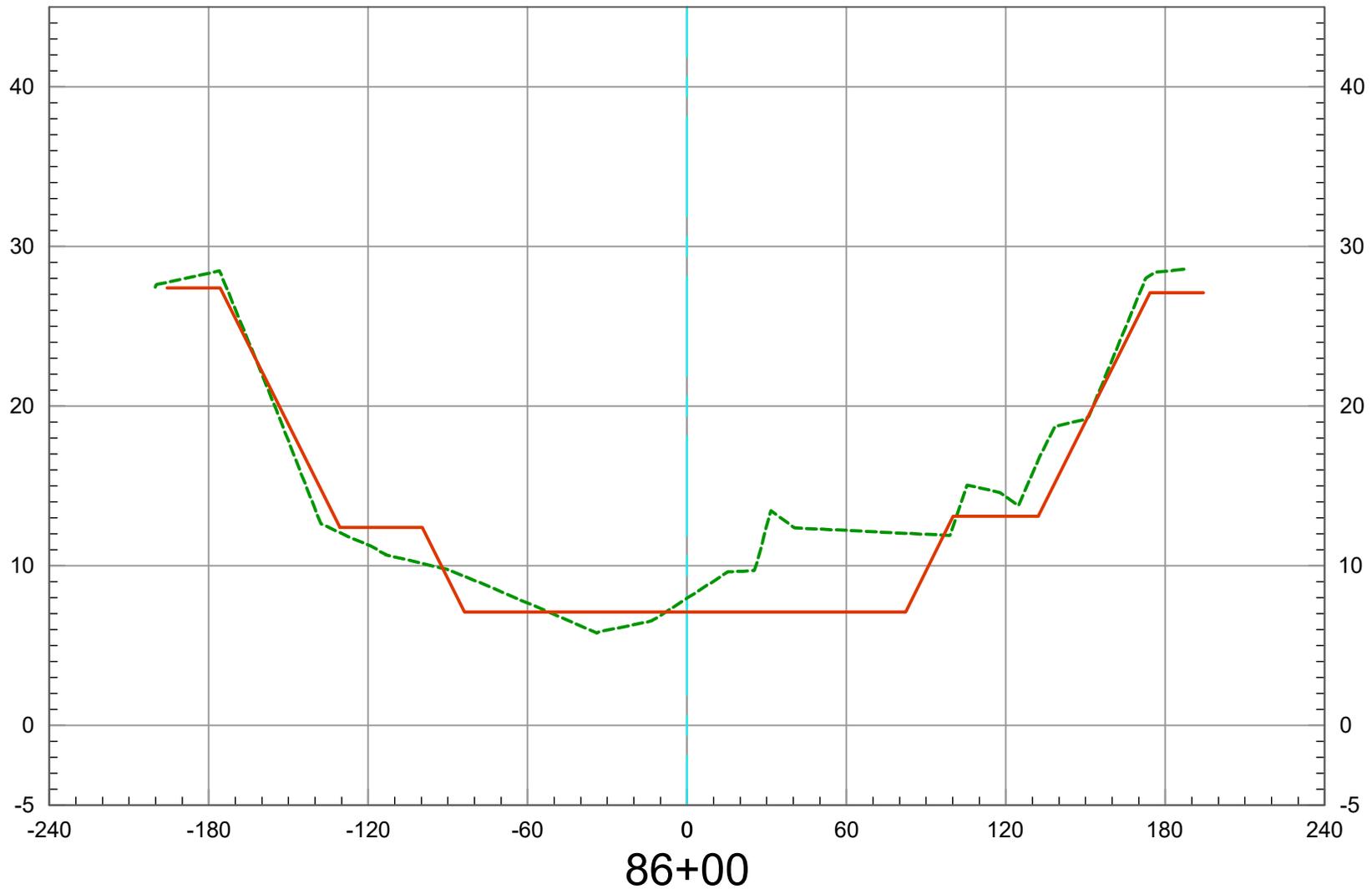
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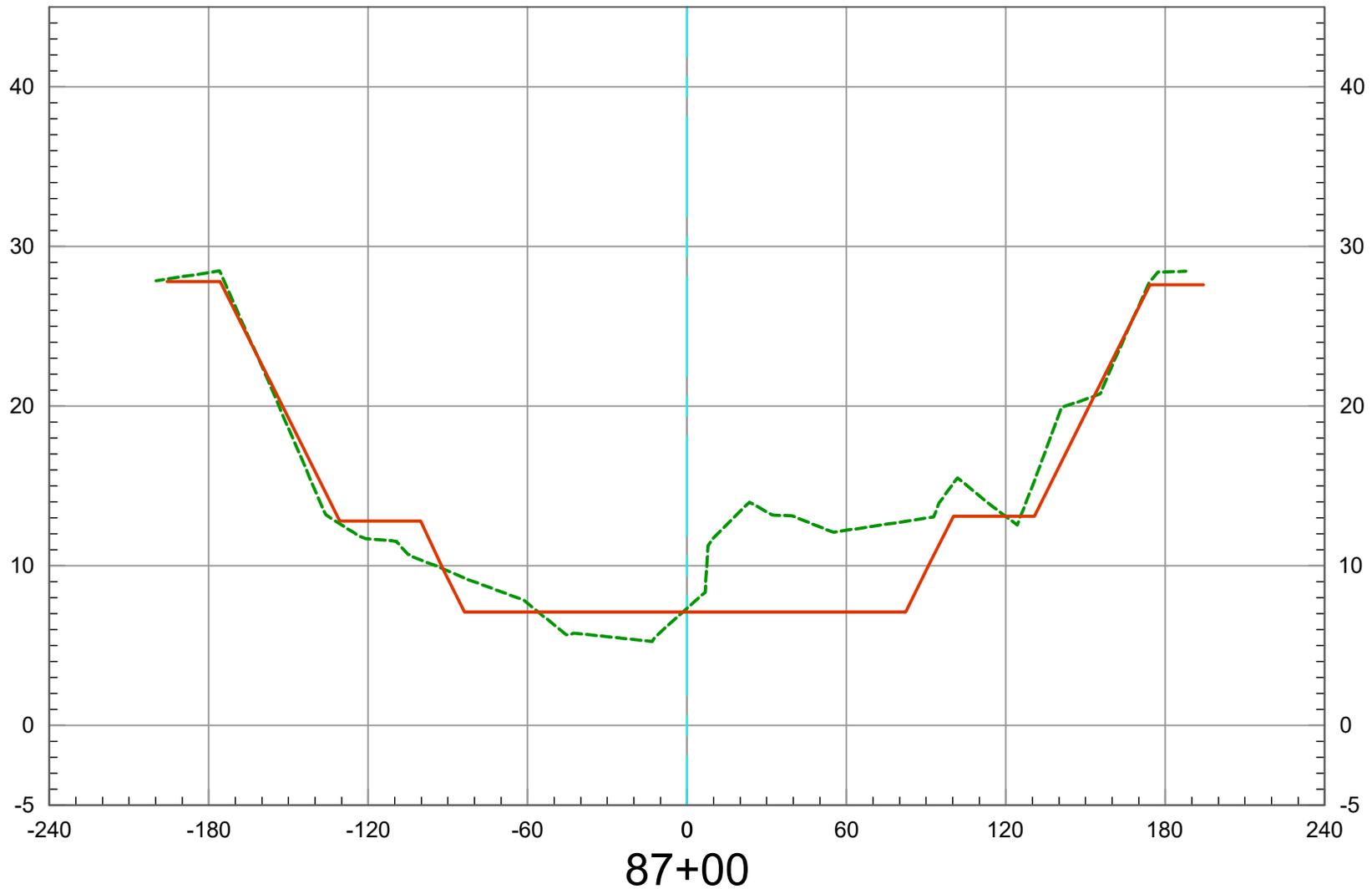
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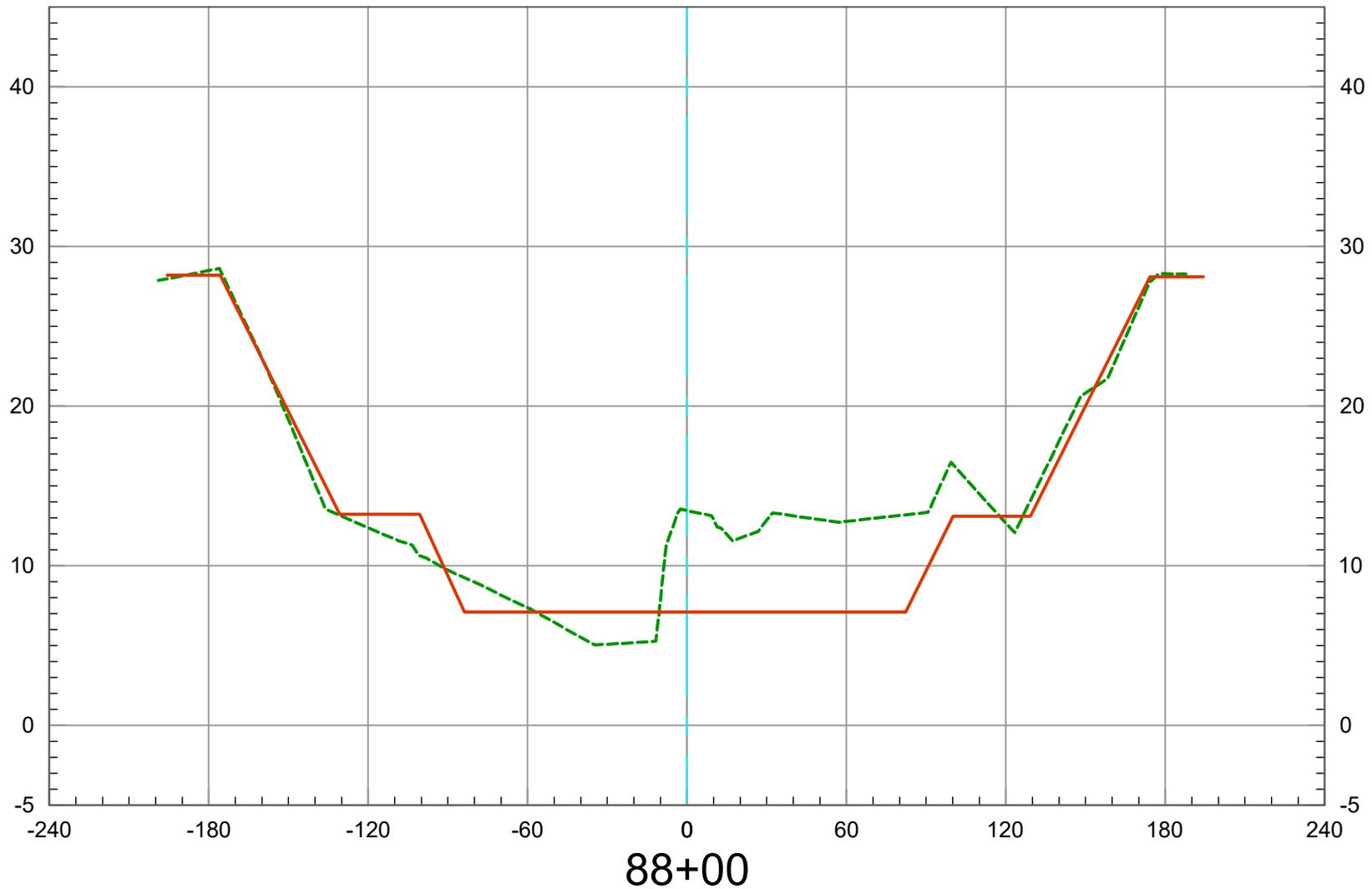
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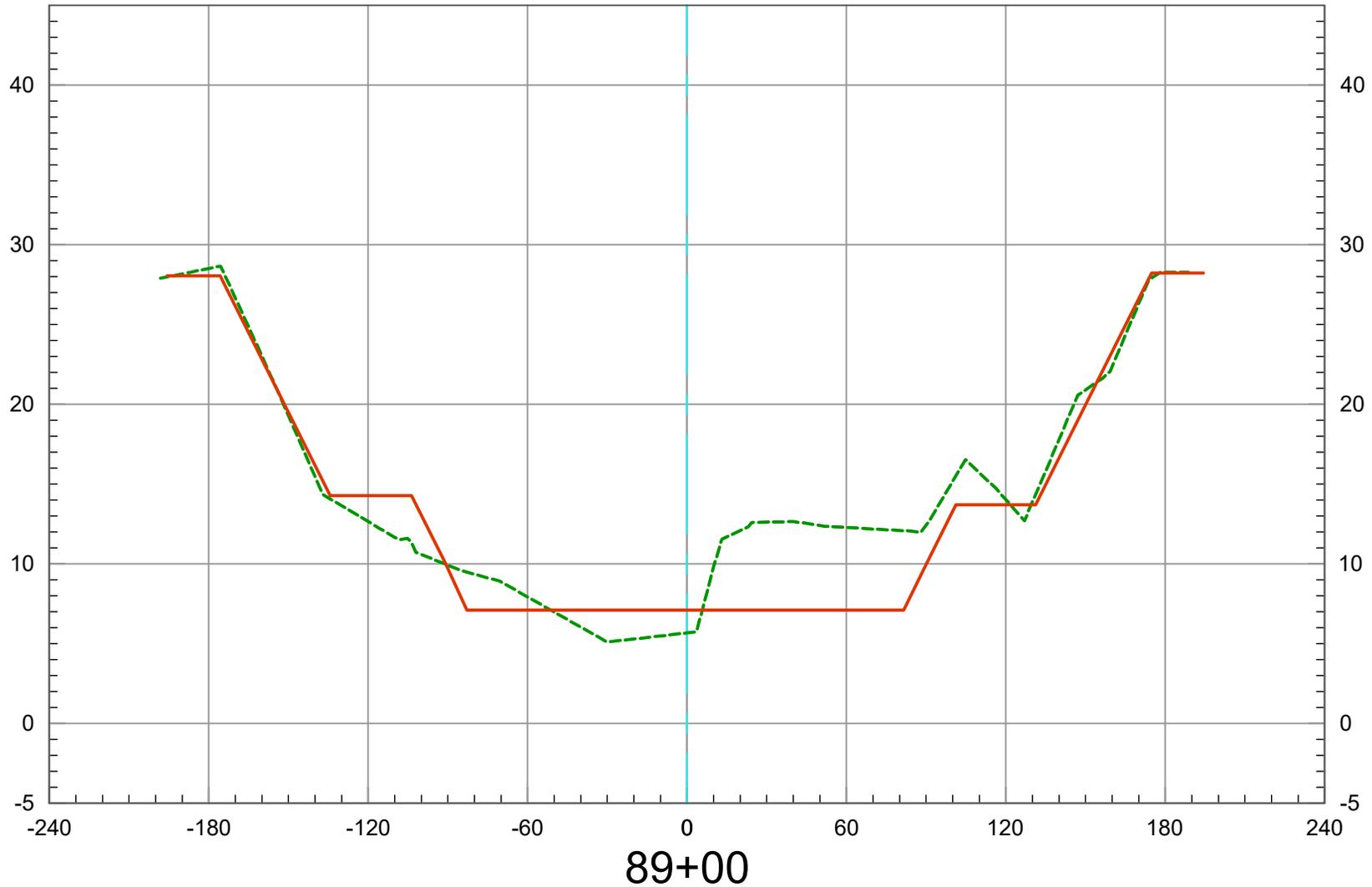
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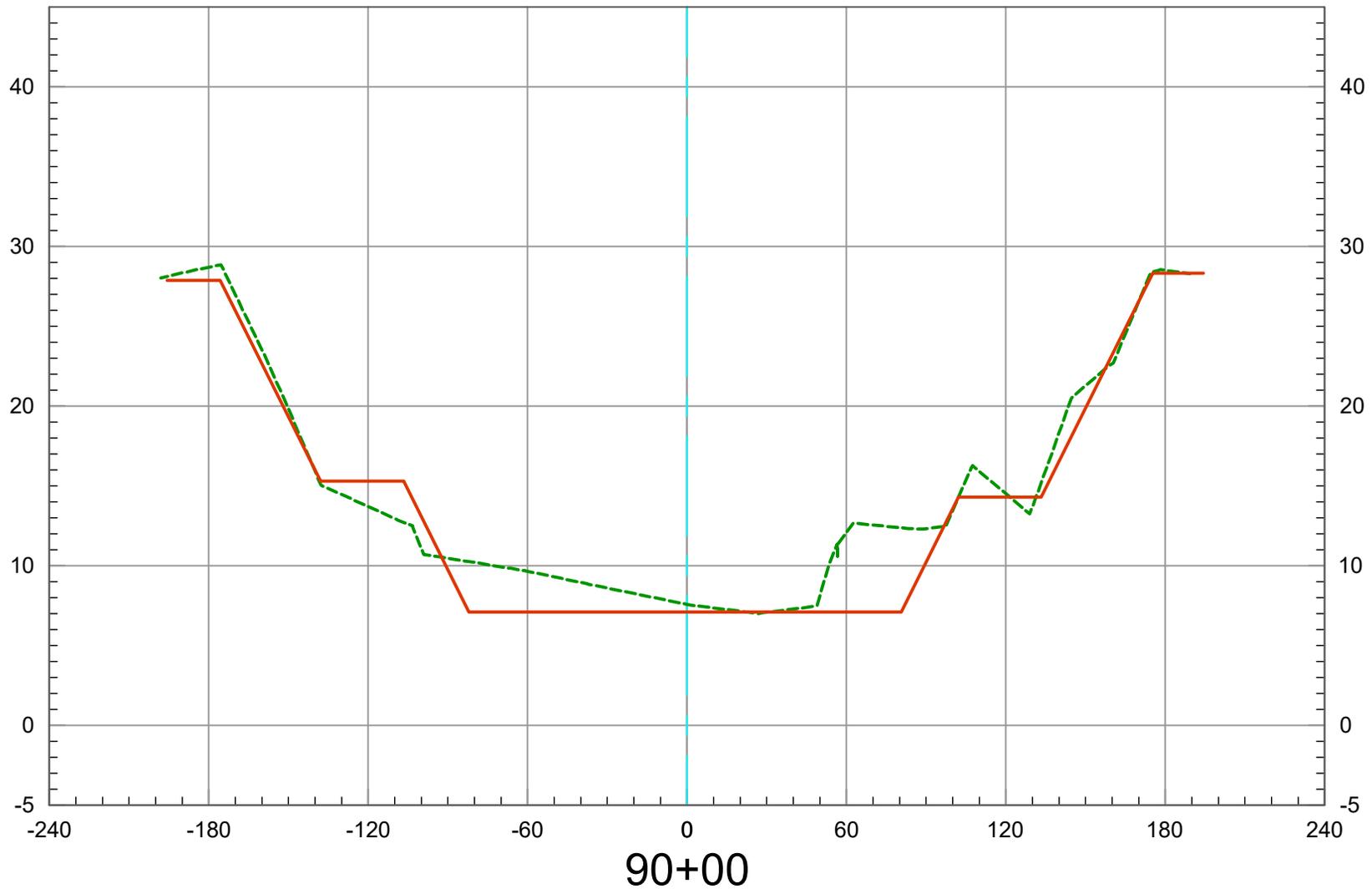
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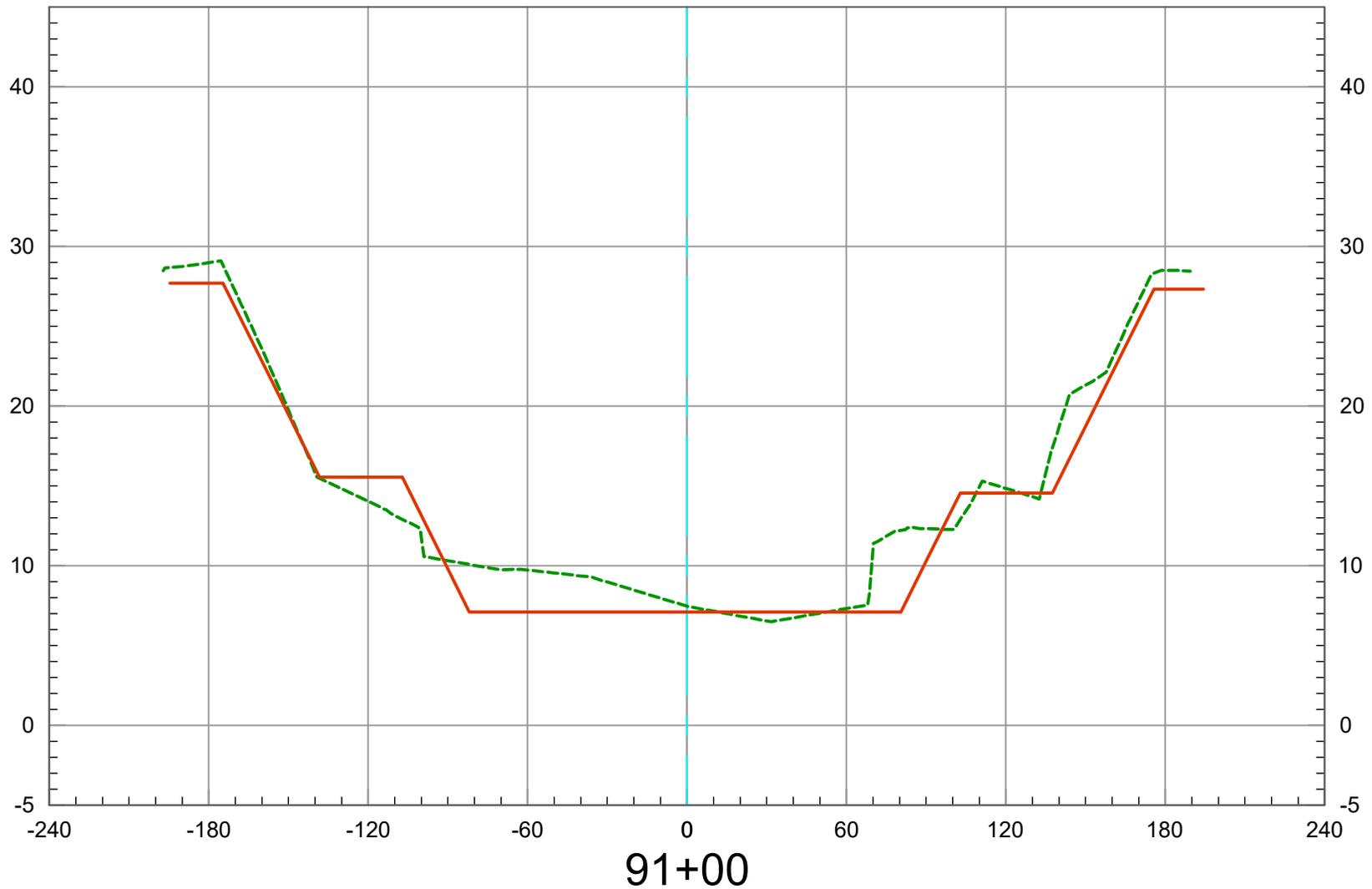
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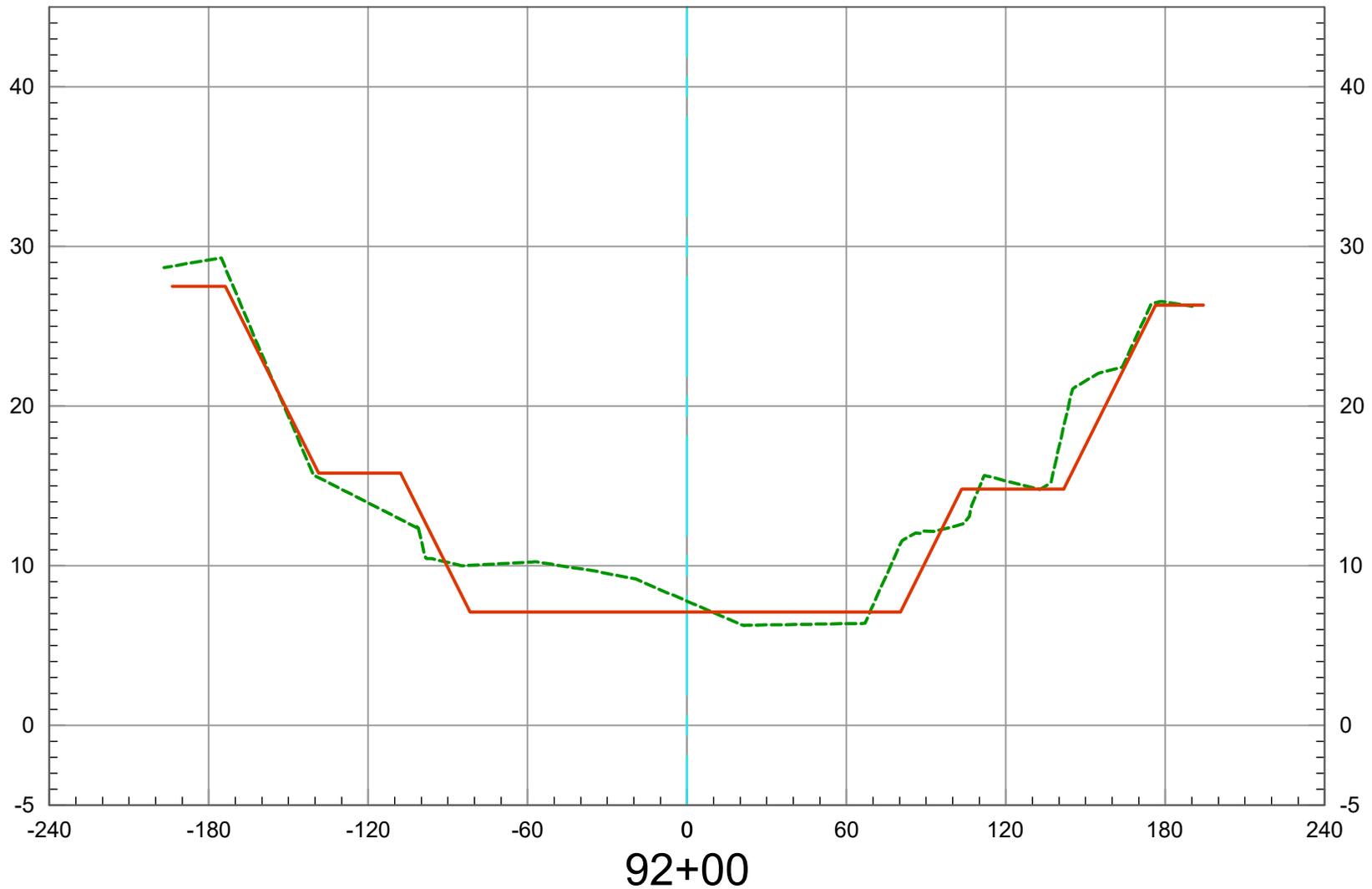
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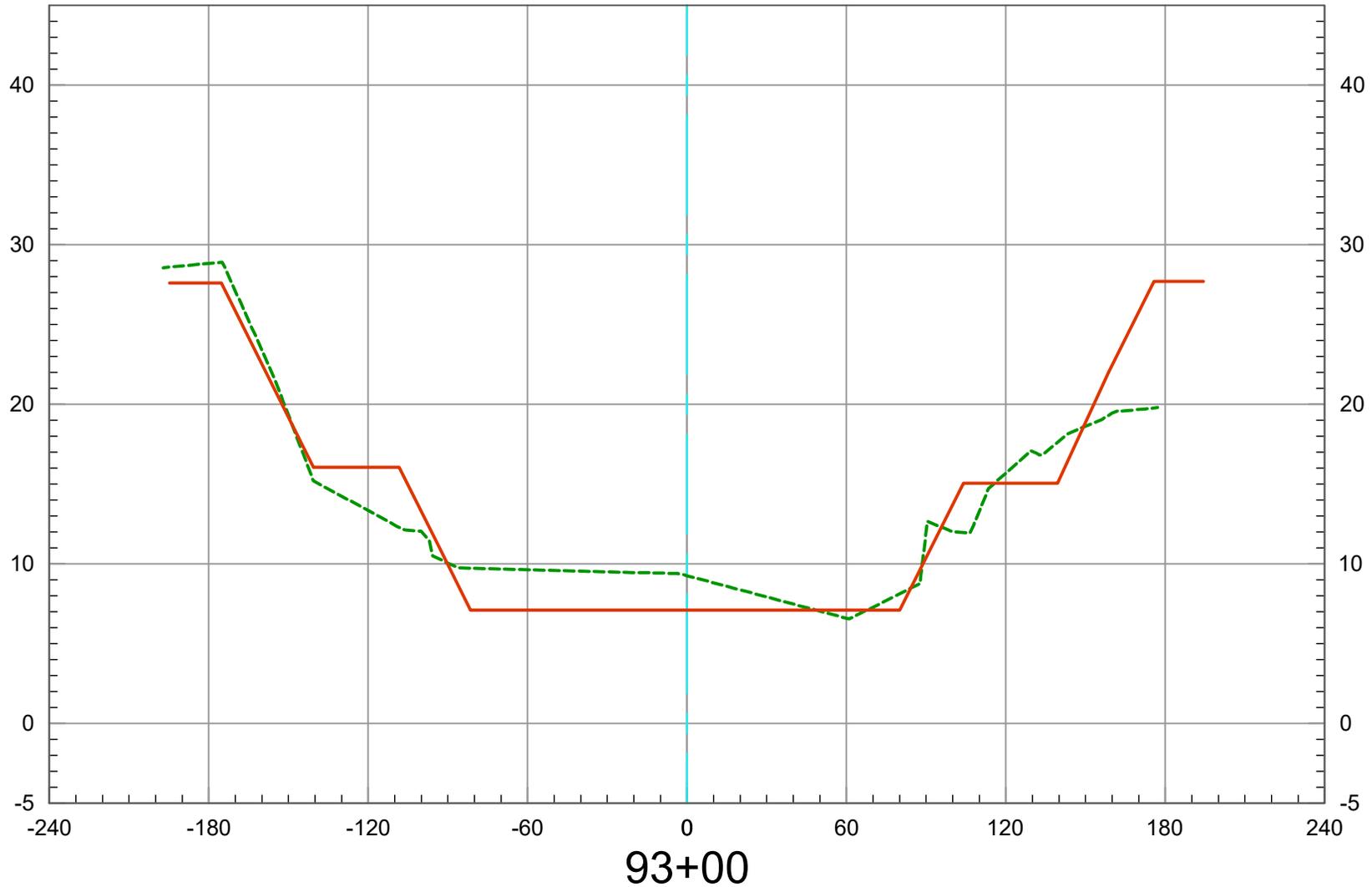
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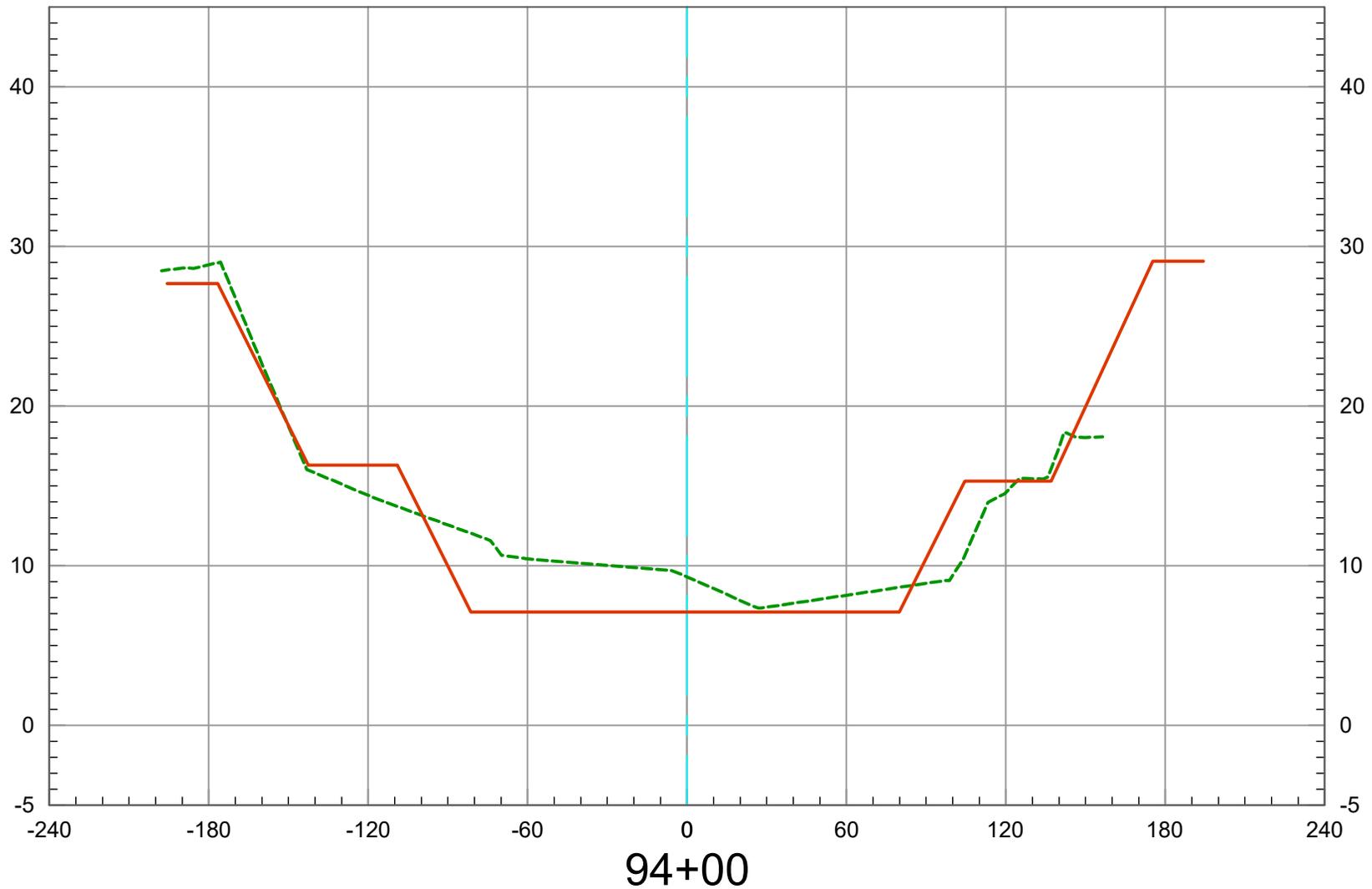
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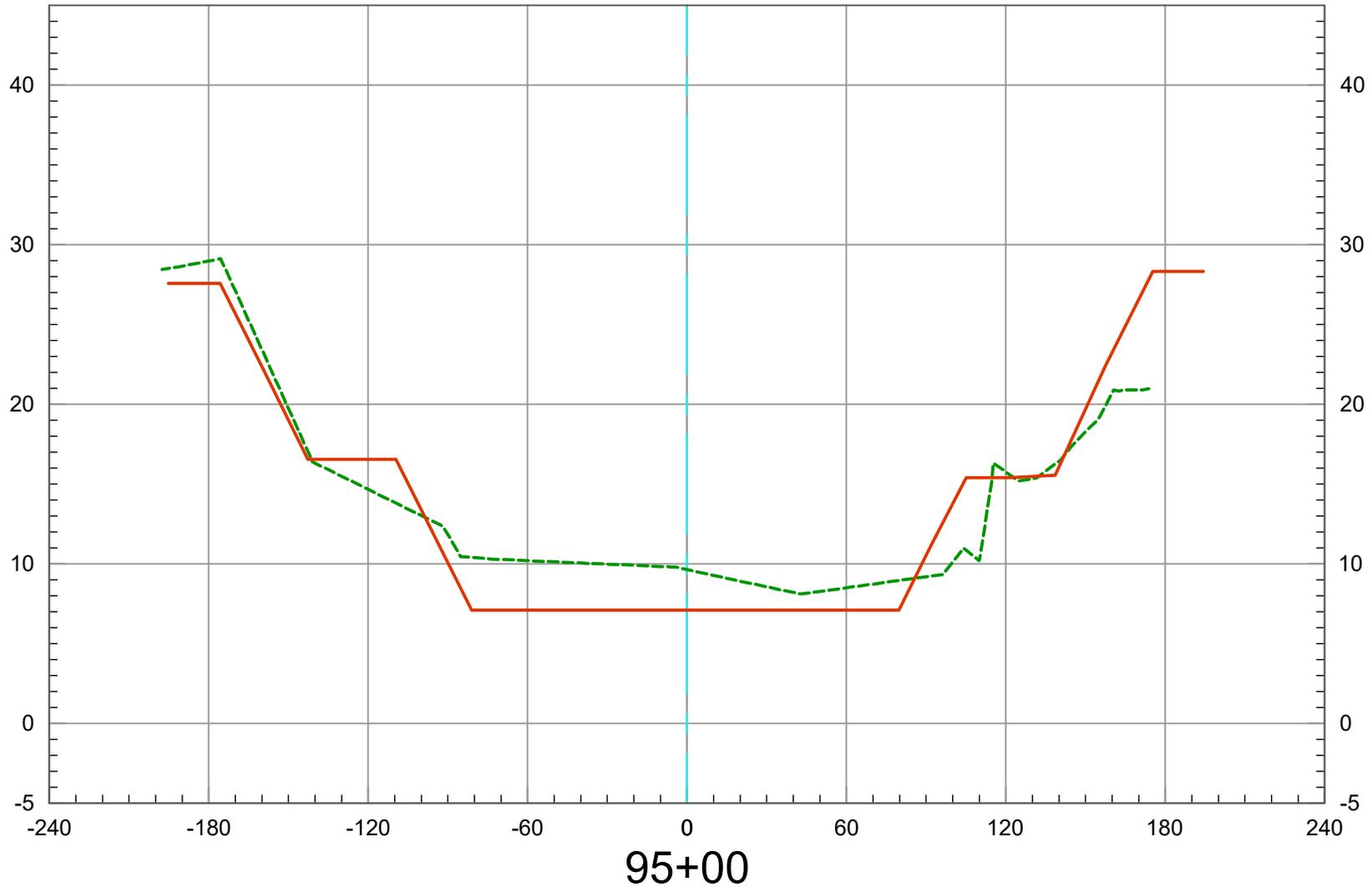


2025 Ground 
As-Built Plan 

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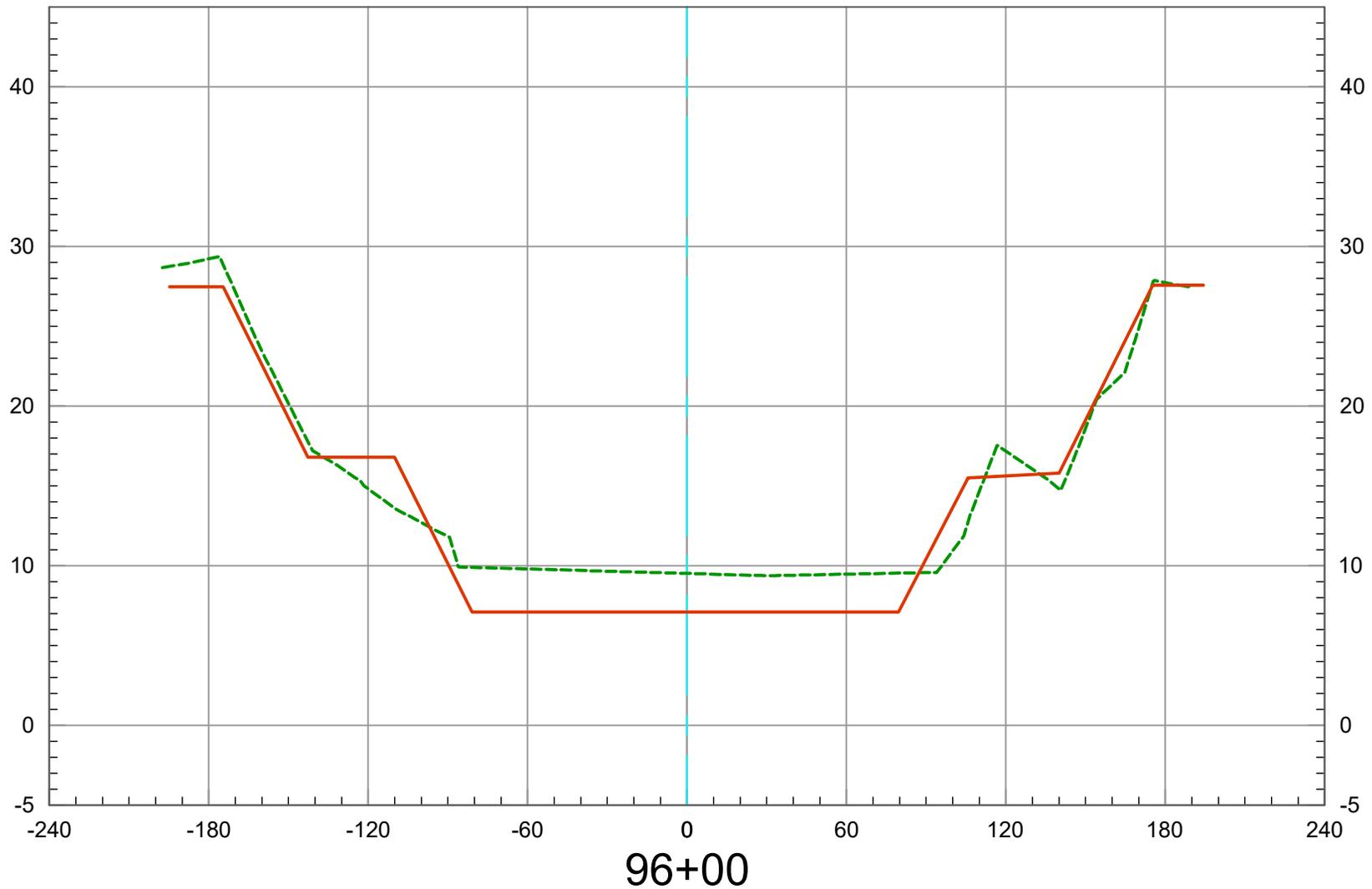
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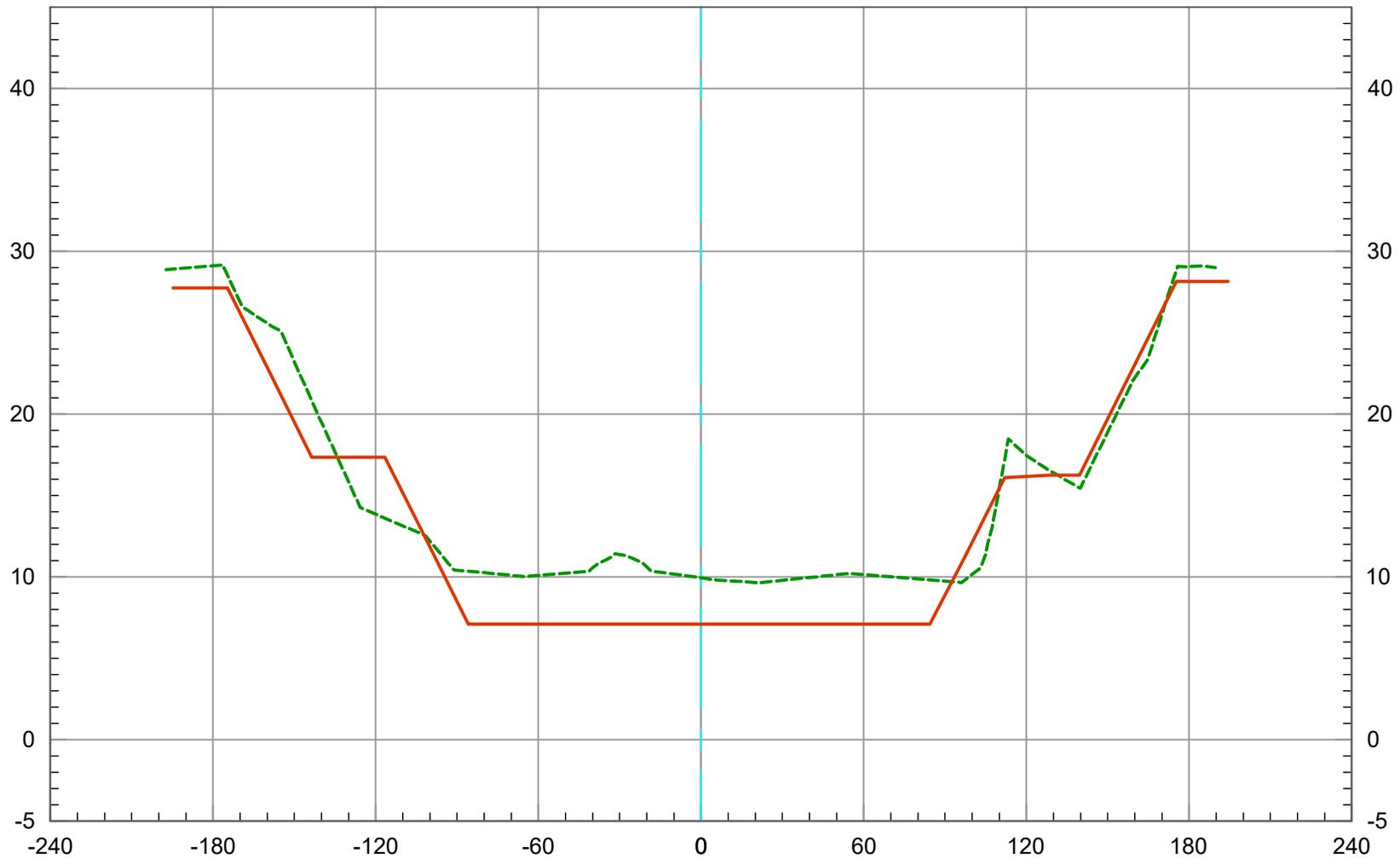
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SAN DIEGO CREEK (F05) BASIN 2 - 2025 SCOURS CL



97+00

2025 Ground 
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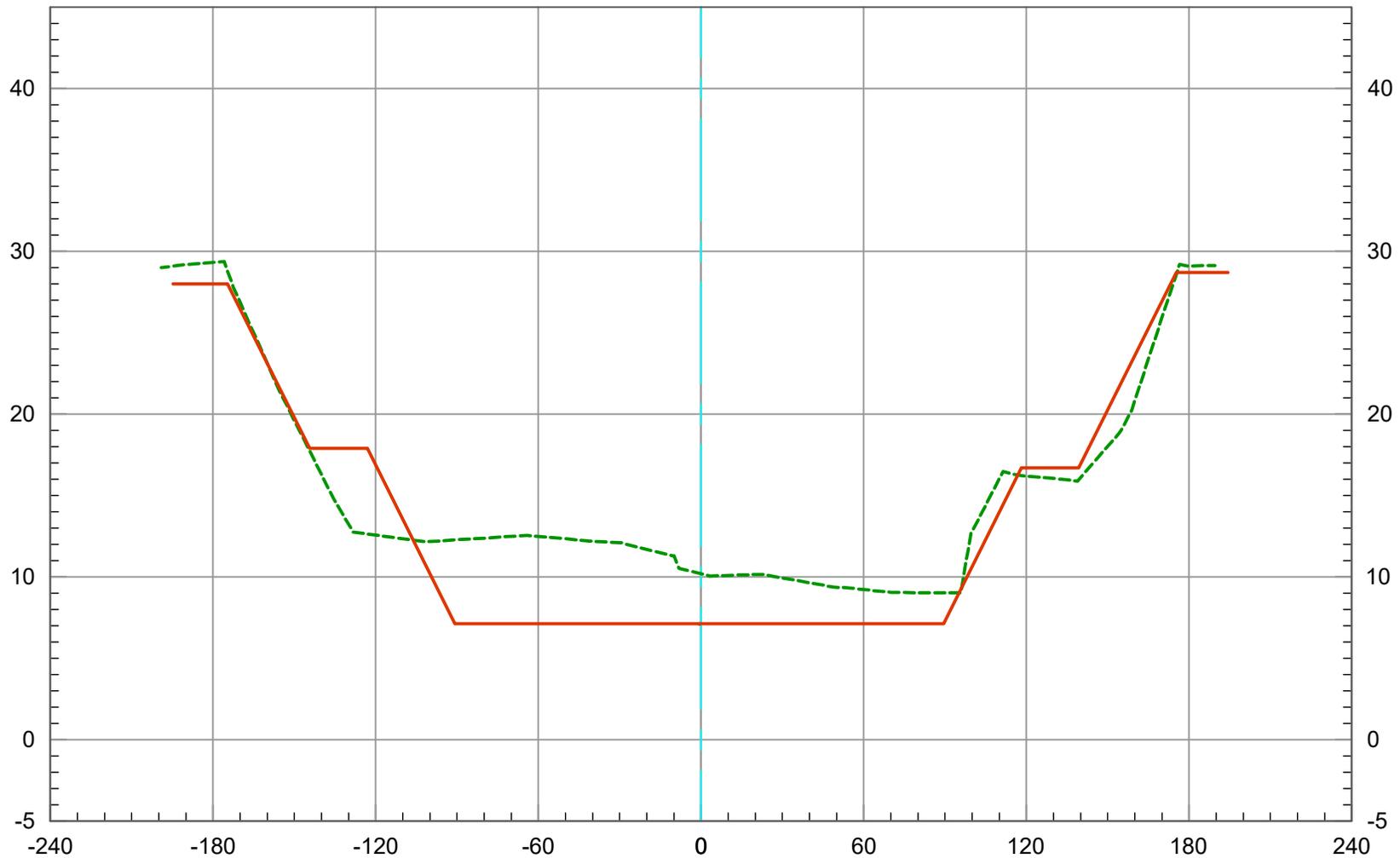
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