DEPARTURE (SMJP -> SBRF): SMJP (J.a. Pengel Intl)
NavData Cycle 2014-10 Expired: Friday, 17 October 2014.
Scale: 1:250000 (1 inch = 3.43 naut mi). Printed on 20 Oct 2014

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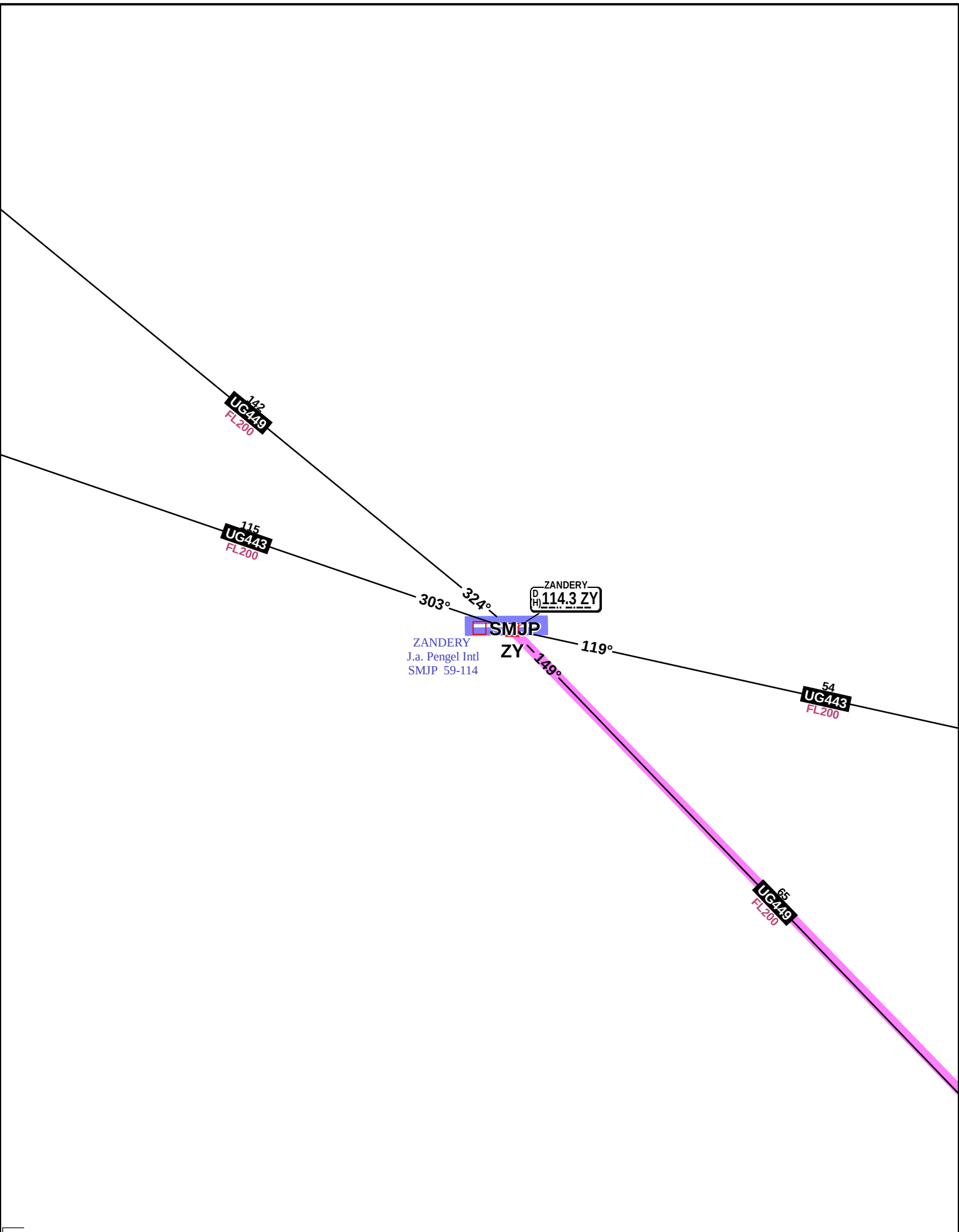
JeppView 3.6.2.0



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NavData Cycle 2014-10 Expired: Friday, 17 October 2014.
Scale: 1:250000 (1 inch = 3.43 naut mi). Printed on 20 Oct 2014

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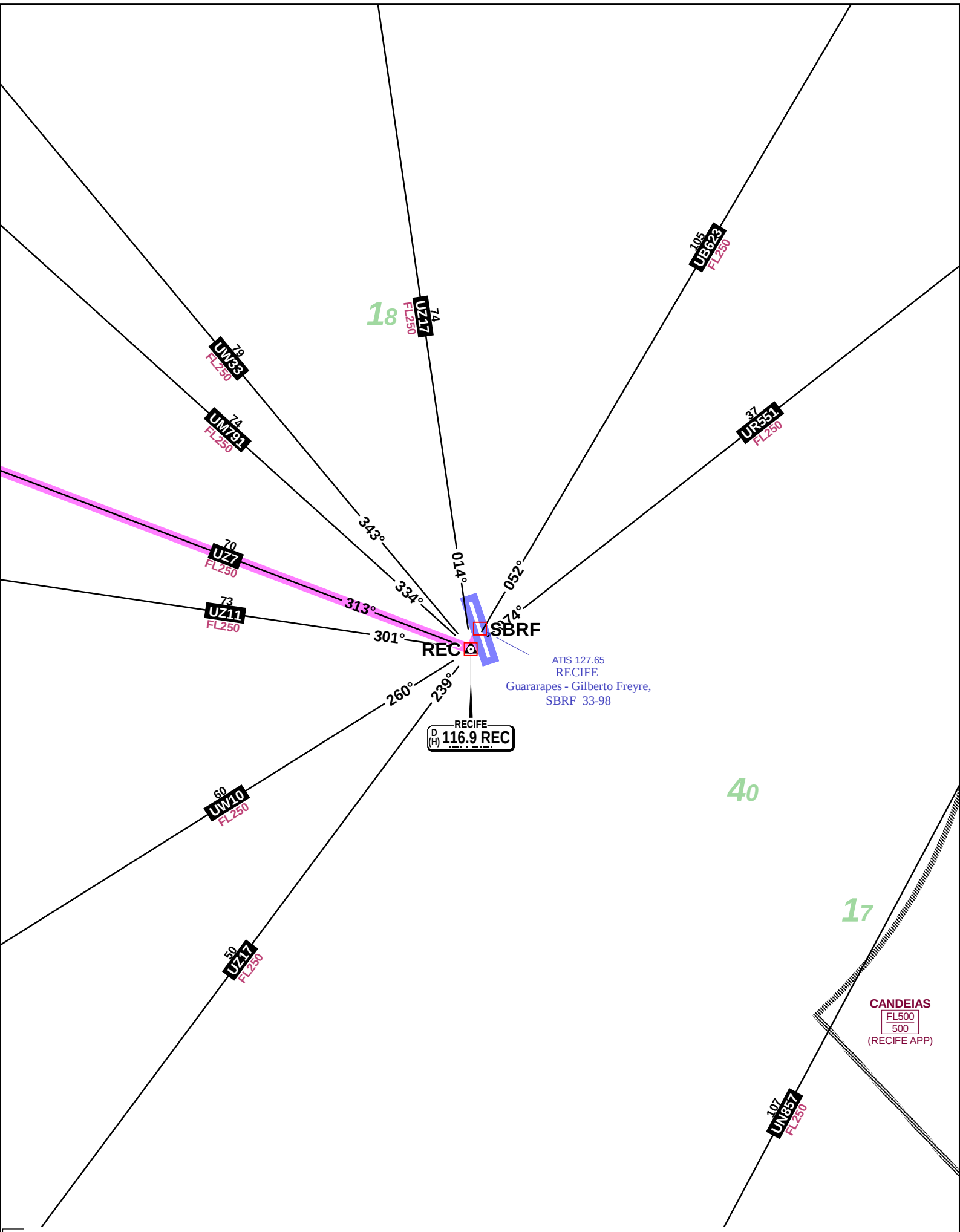

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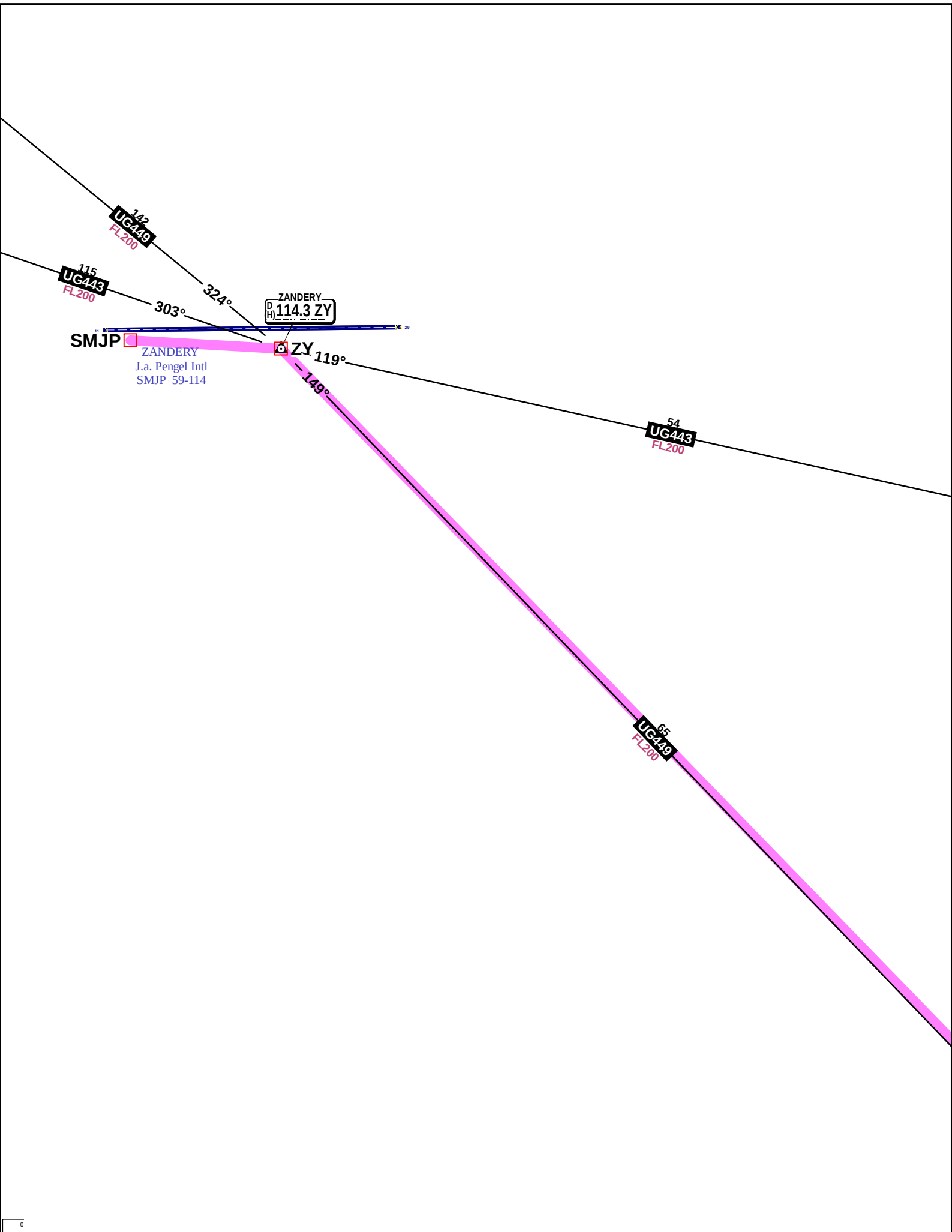

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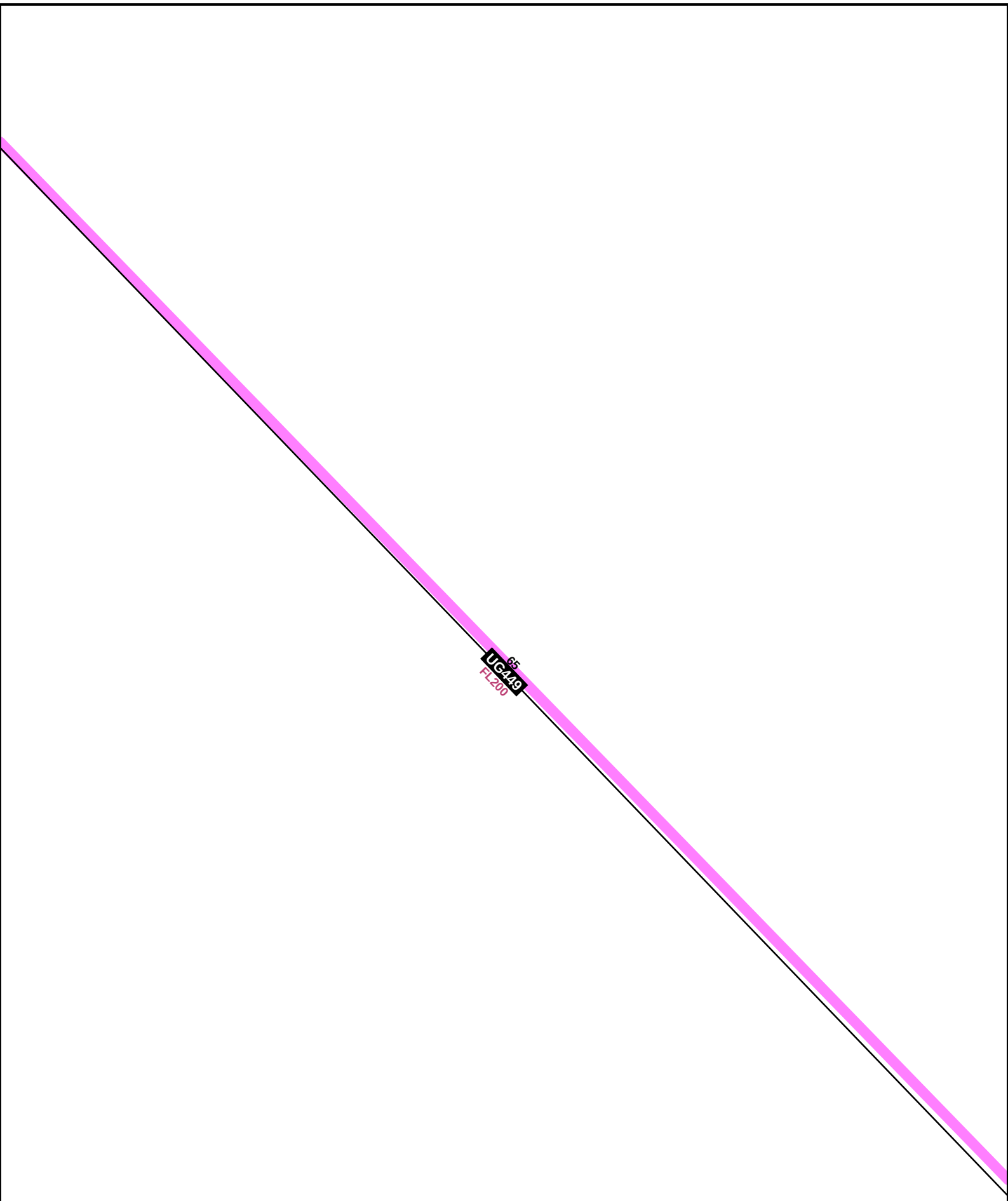

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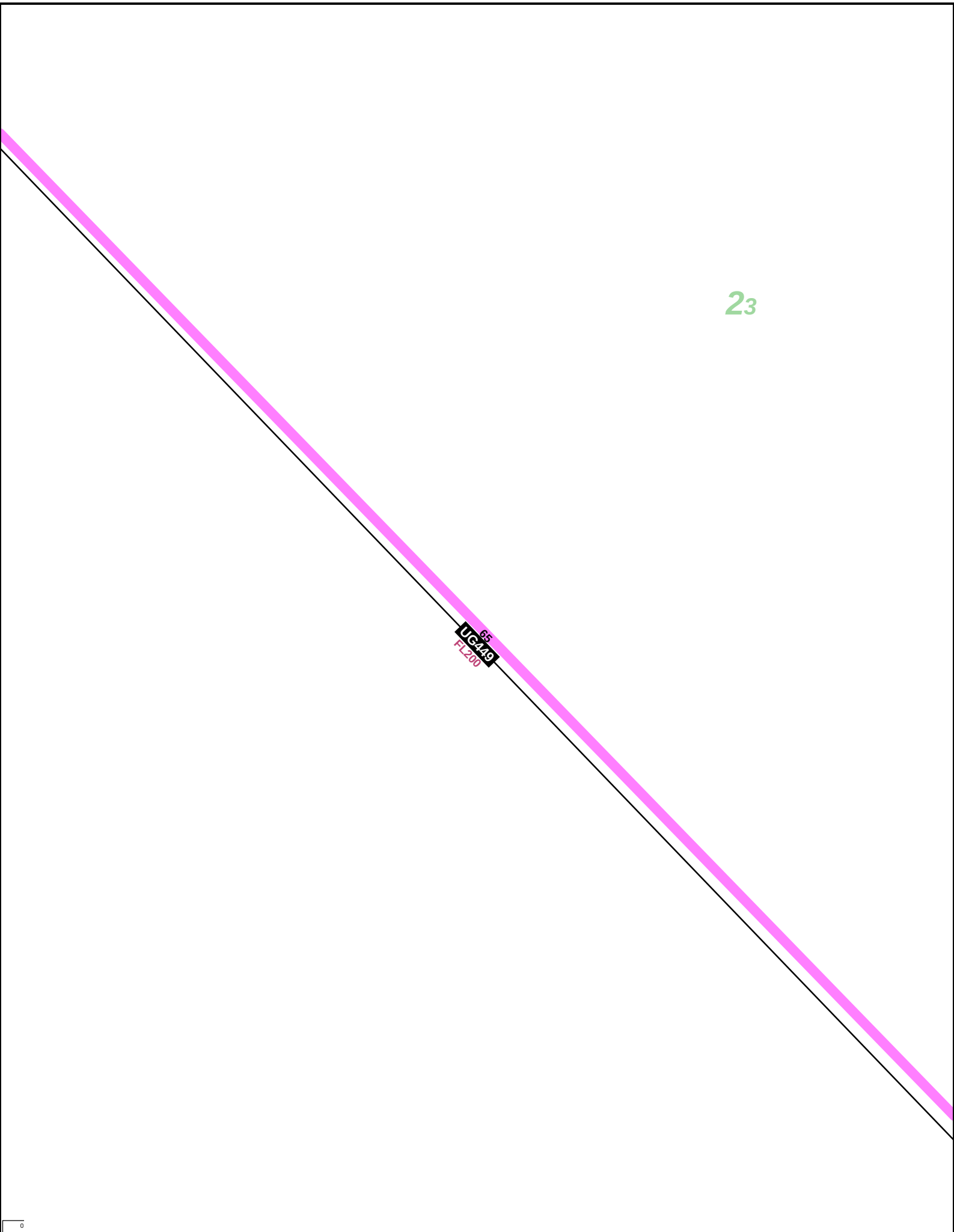

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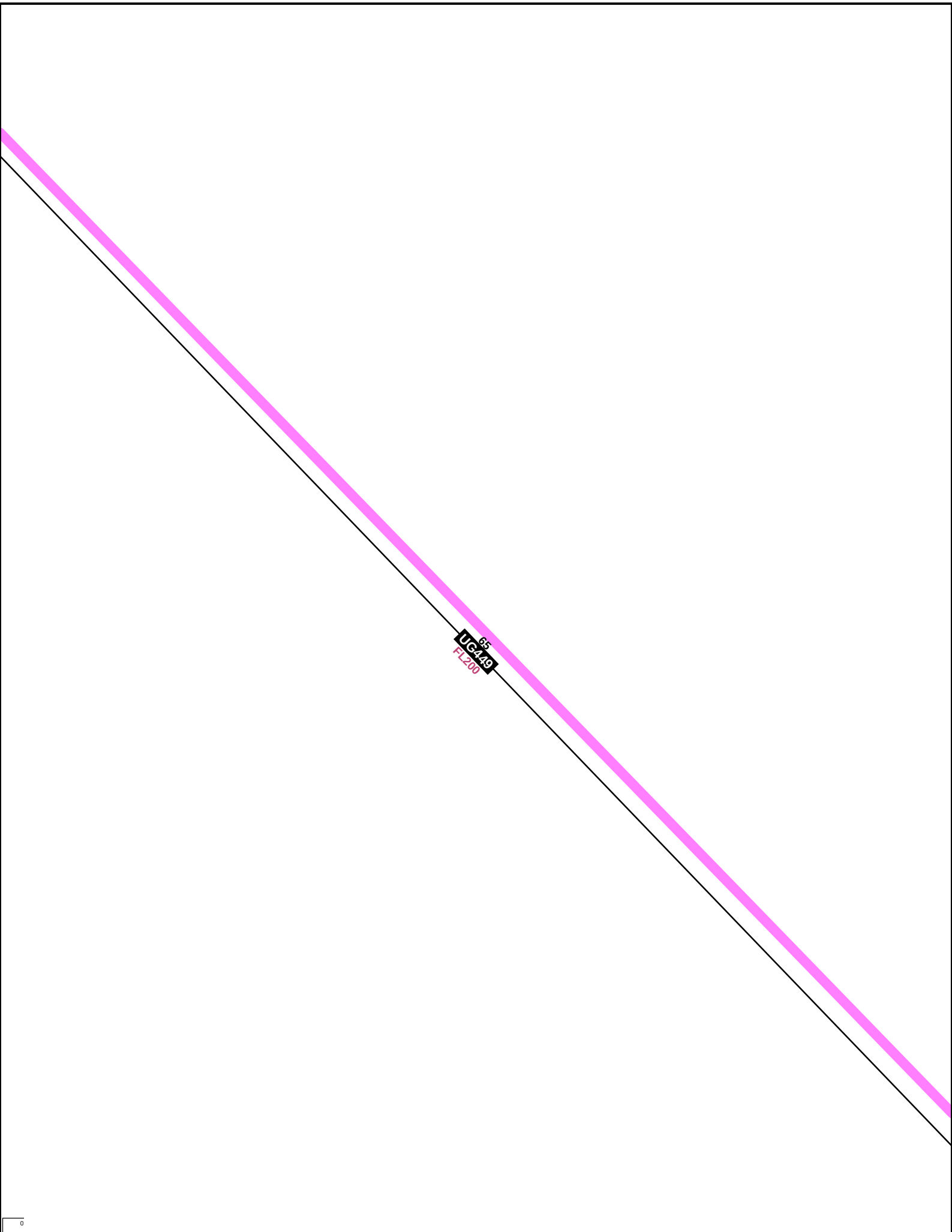

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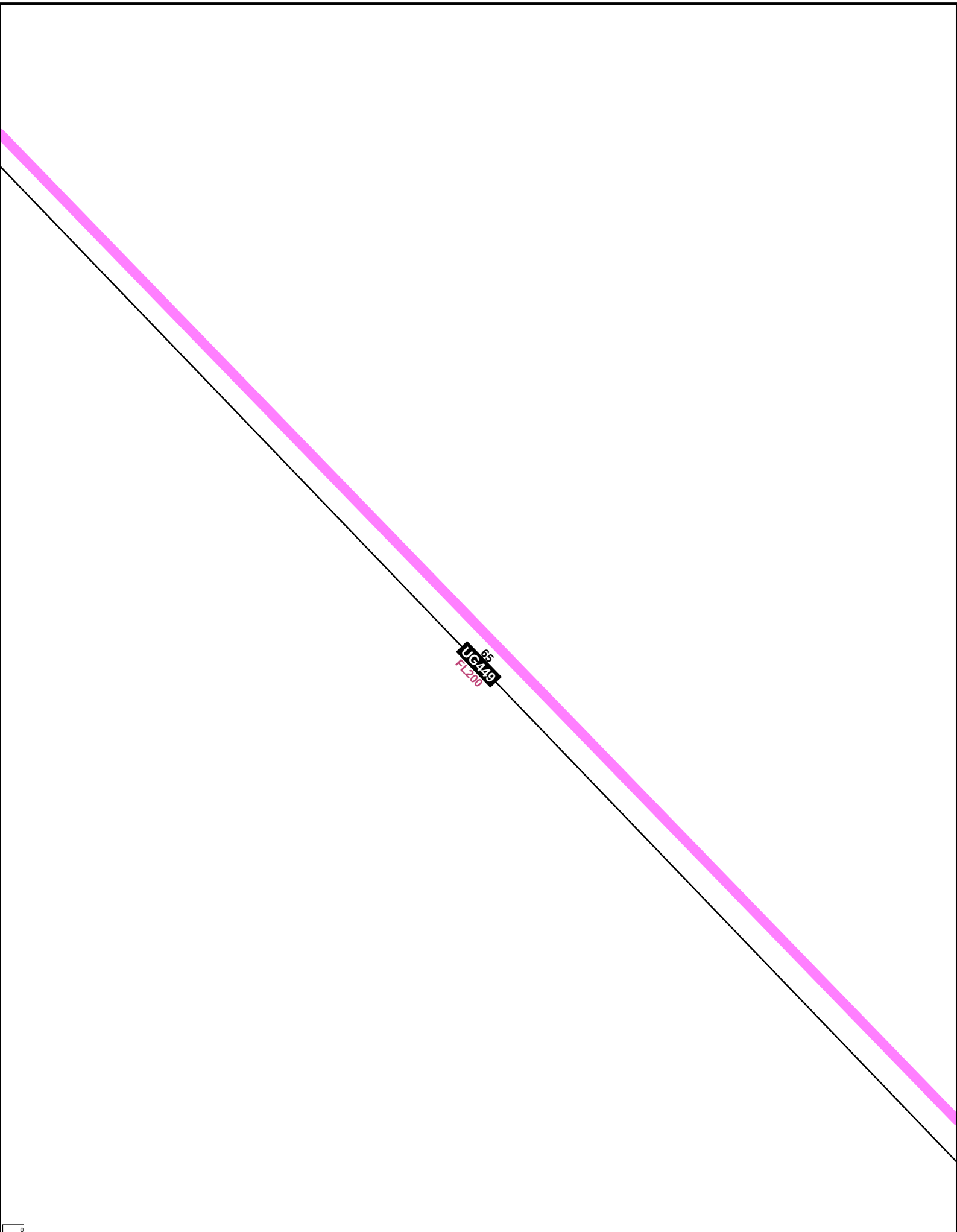

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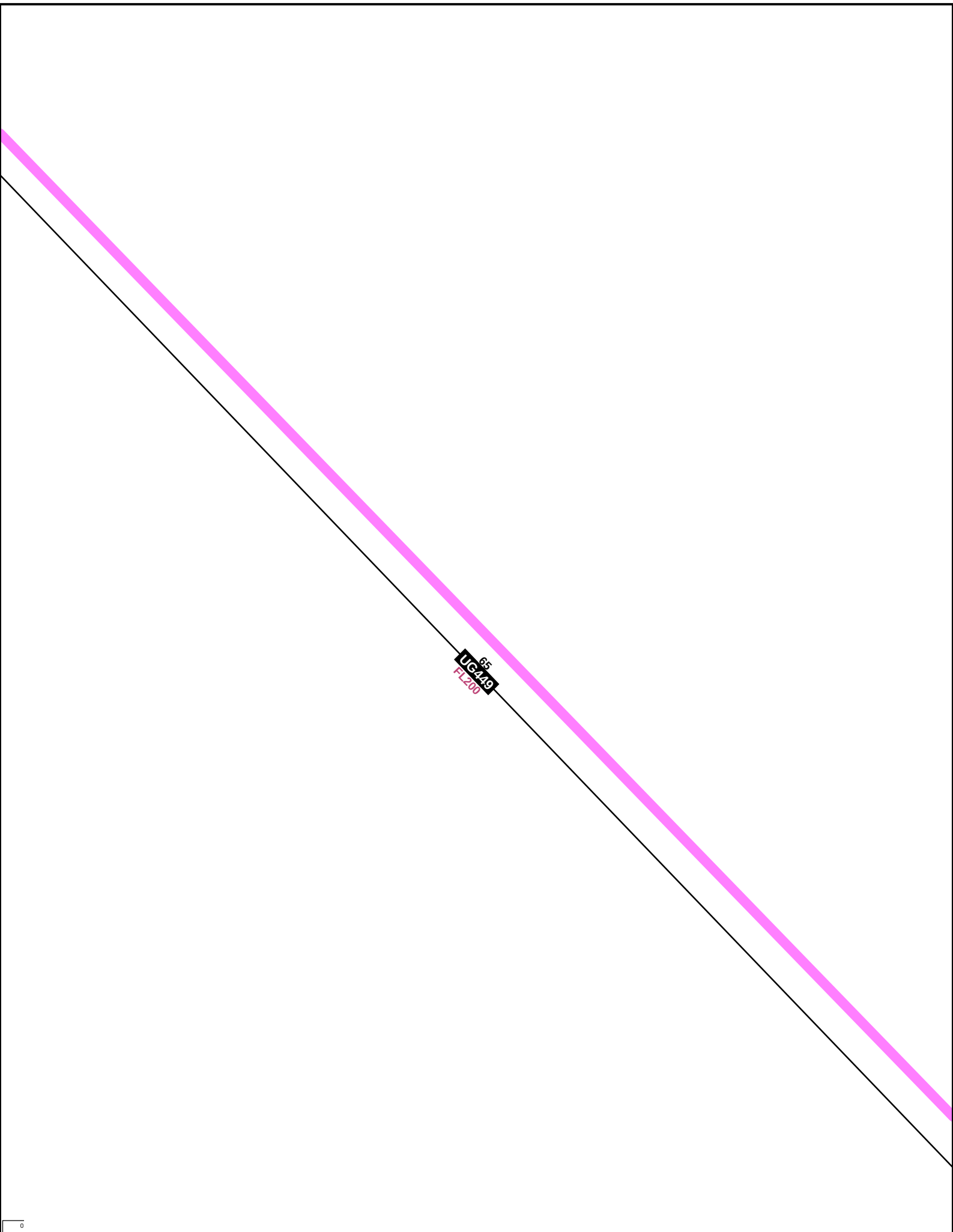

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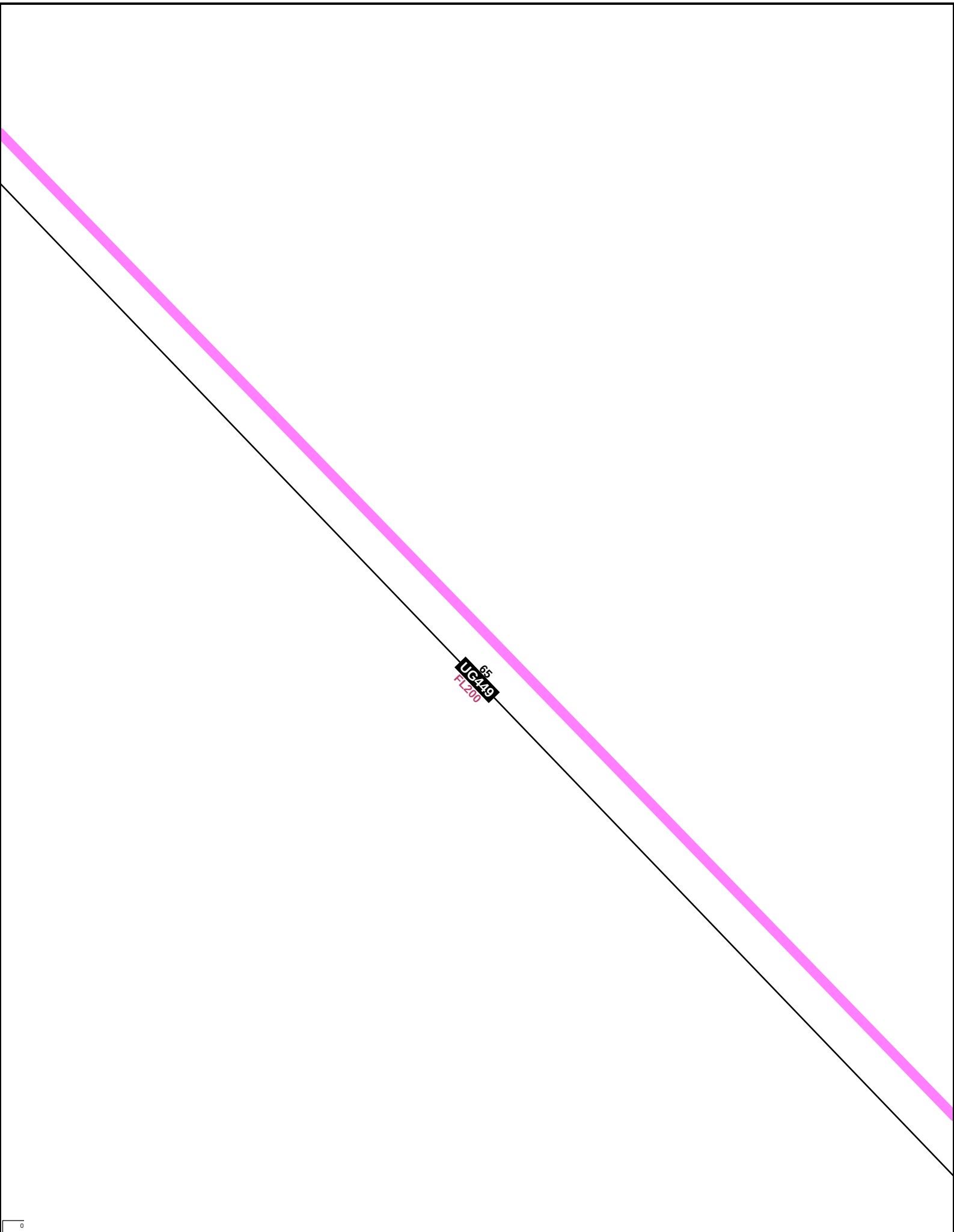

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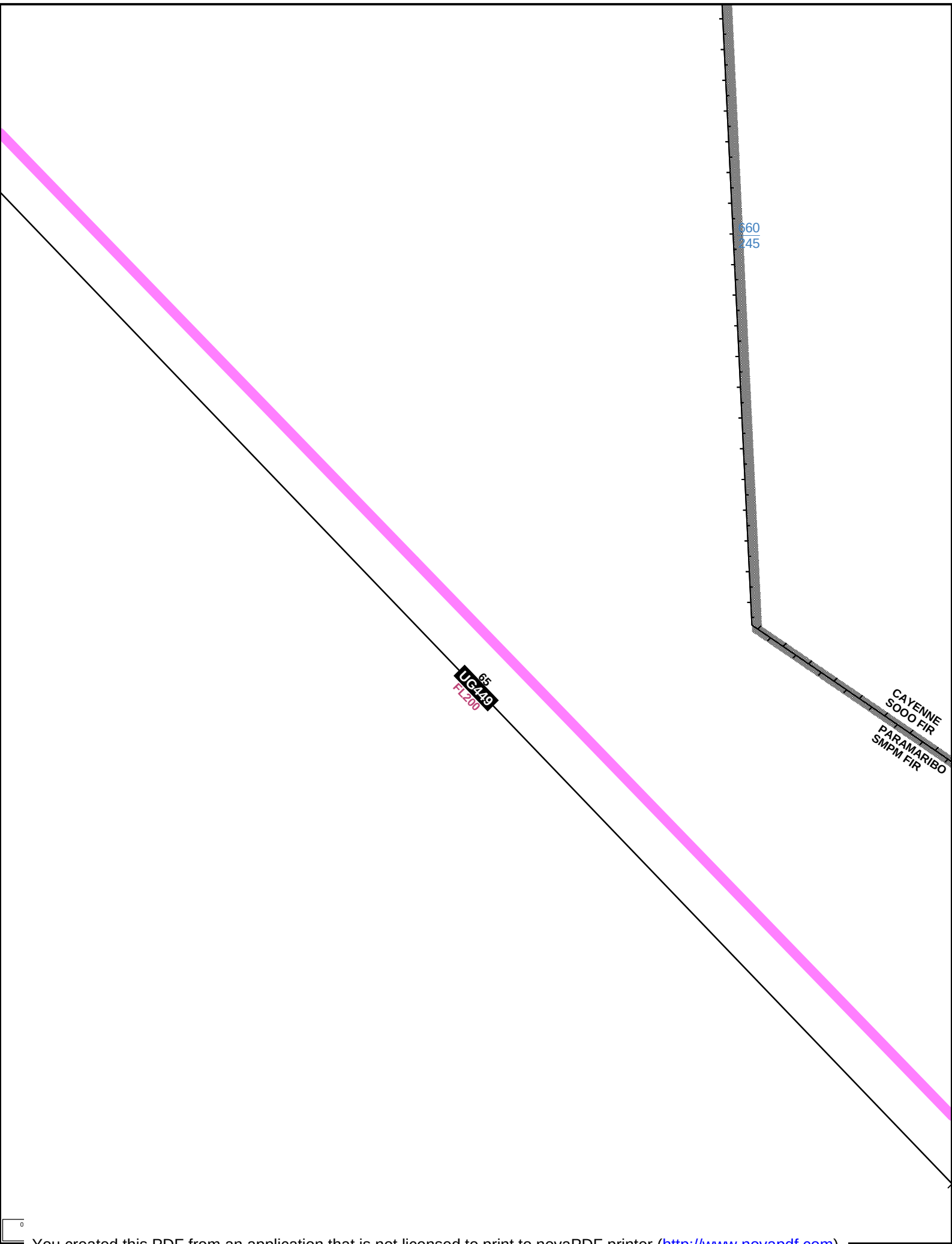

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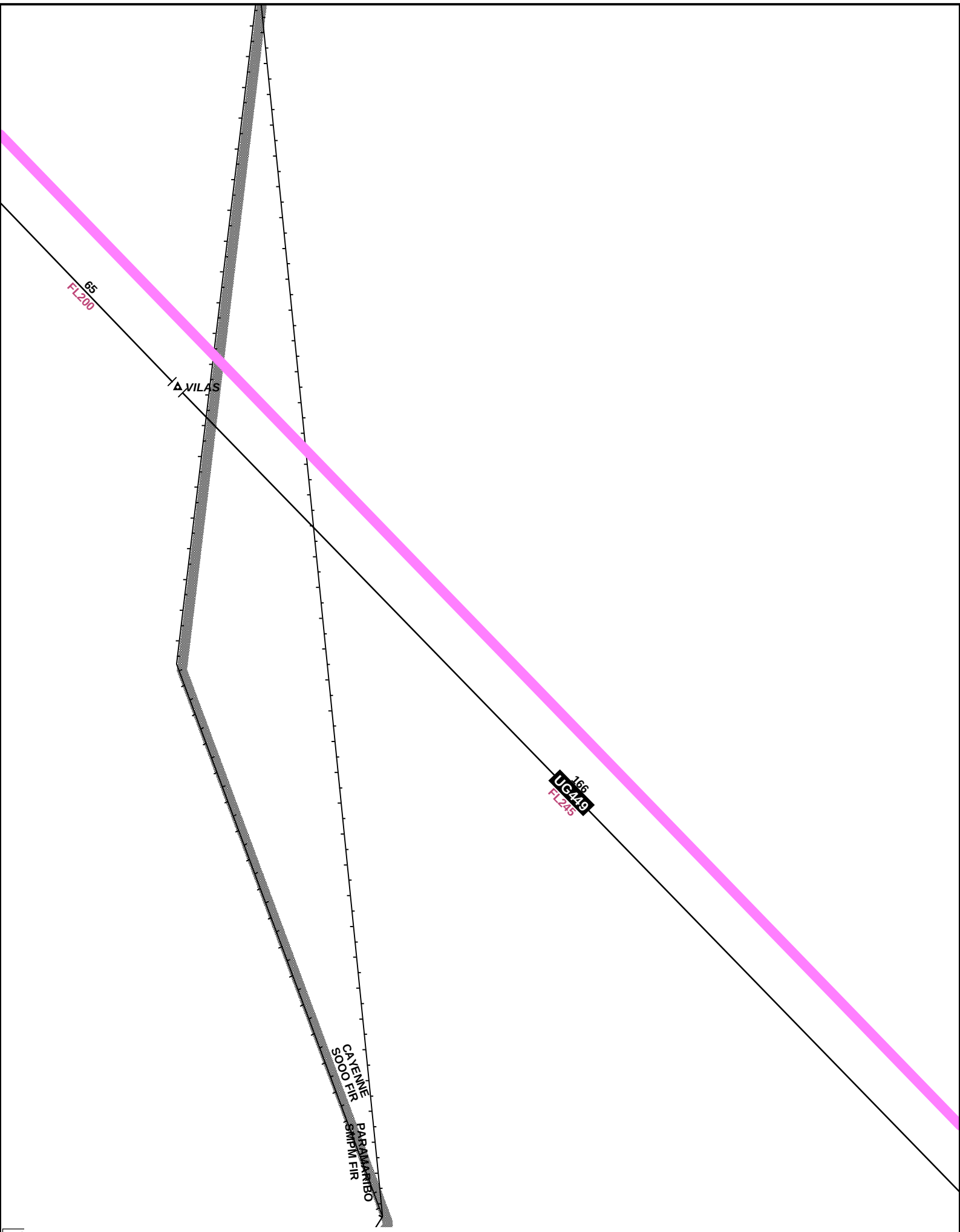

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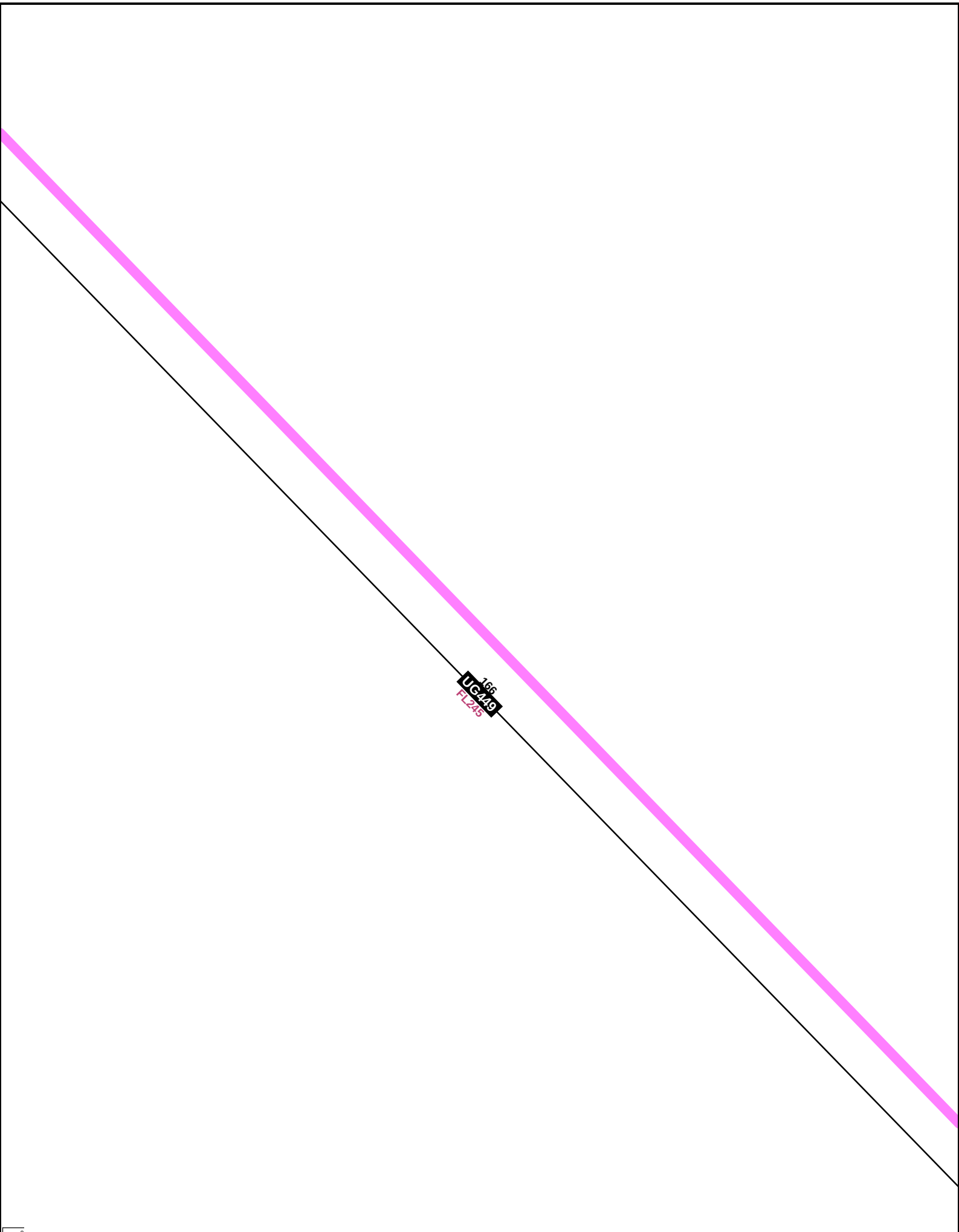

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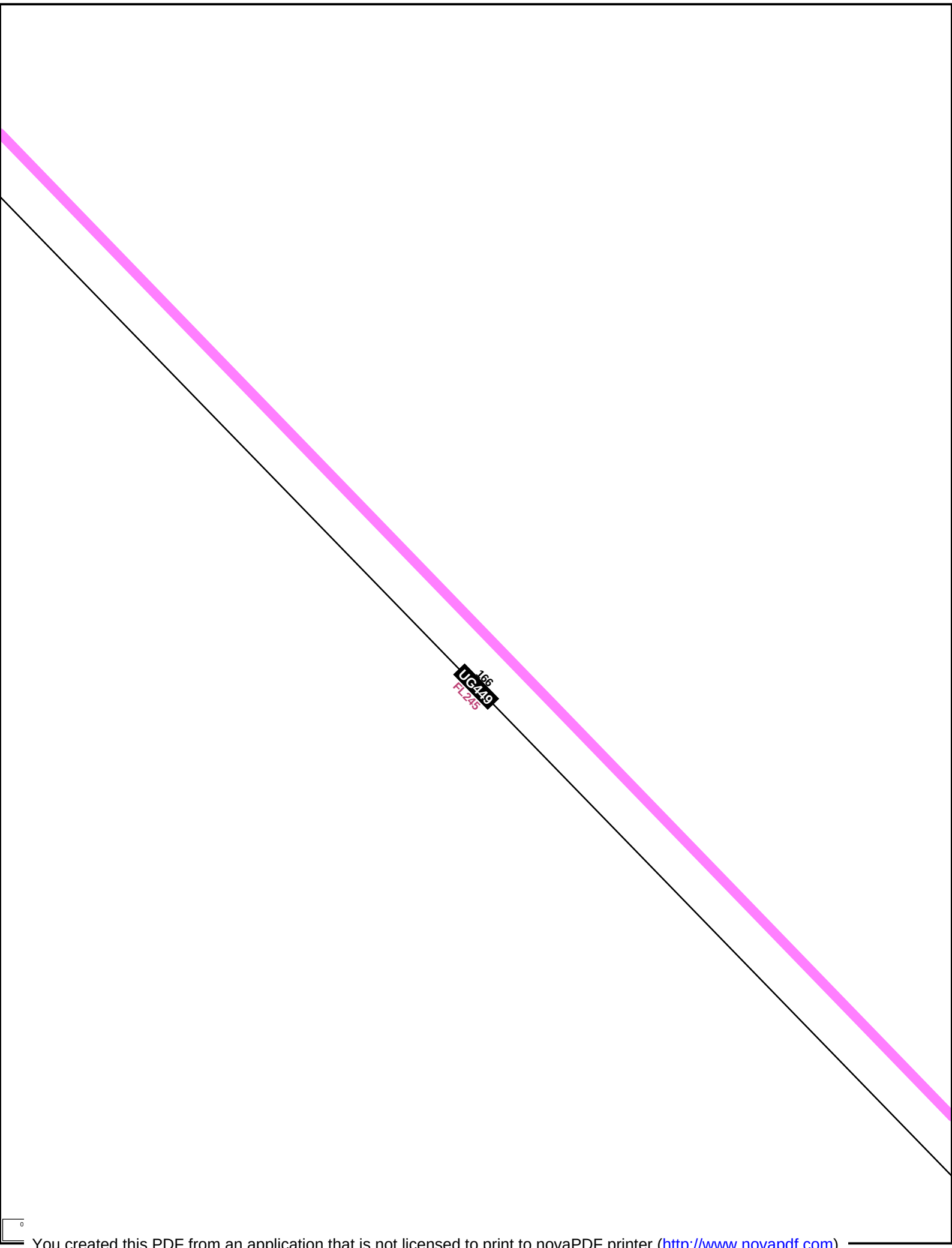

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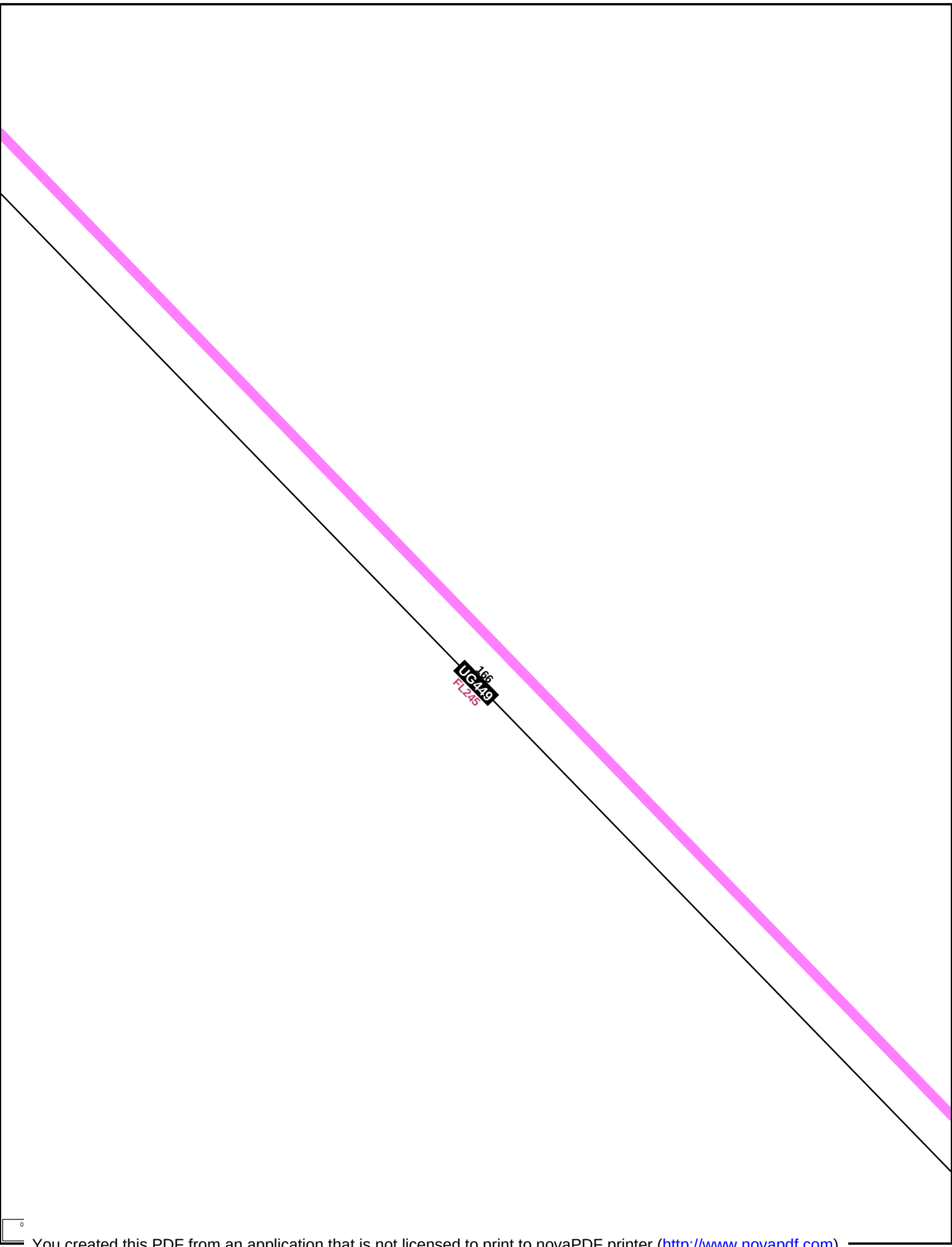

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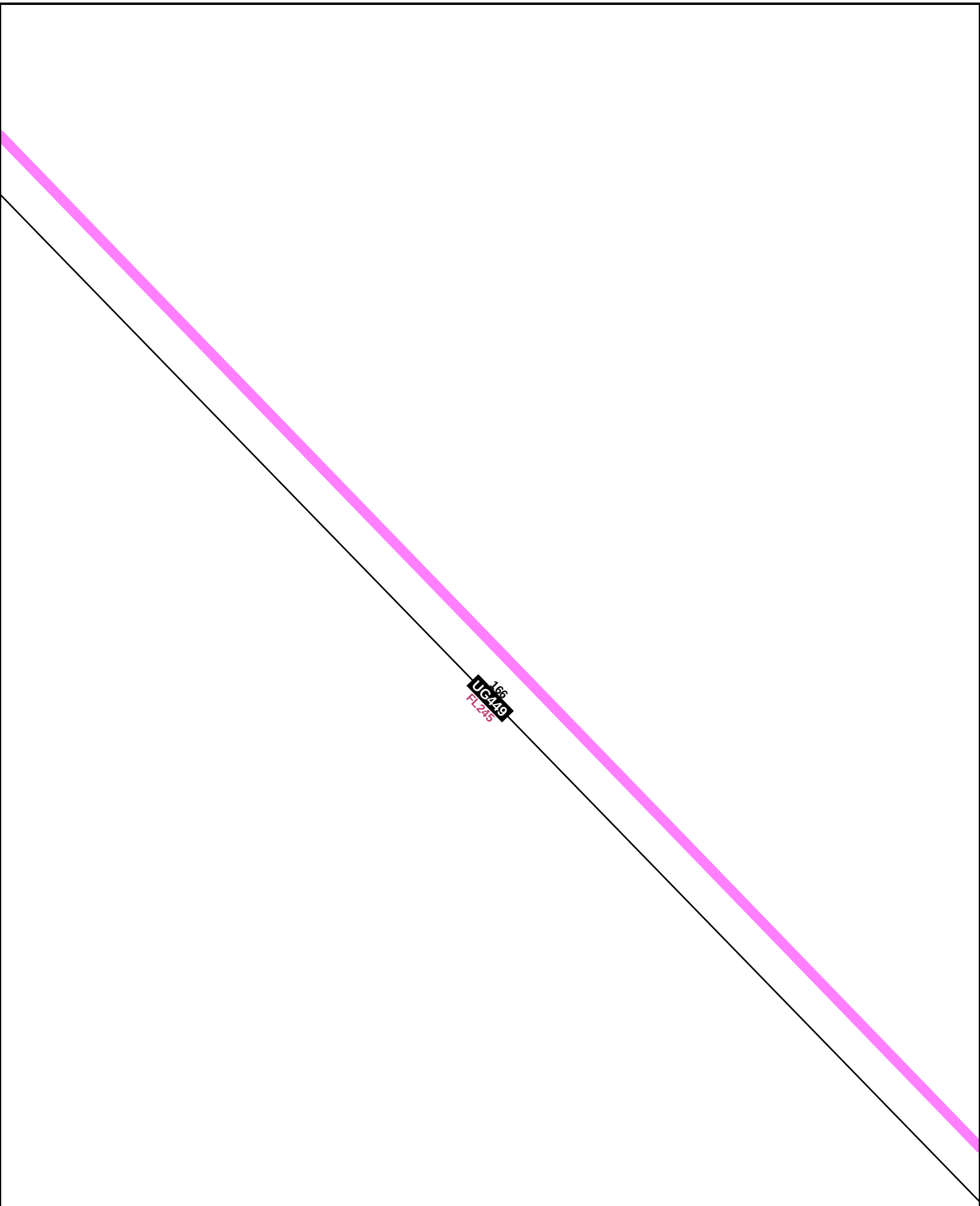

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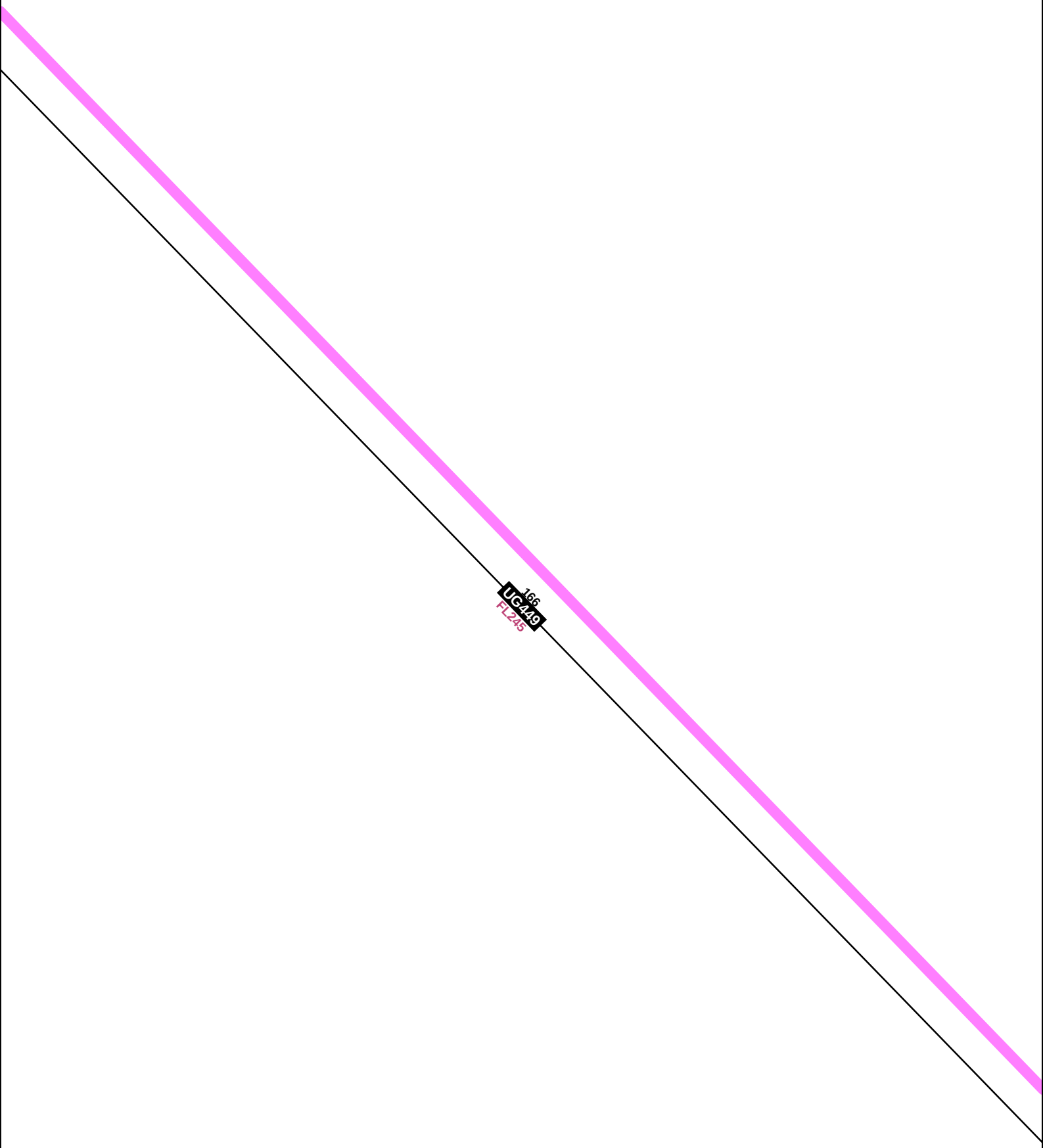

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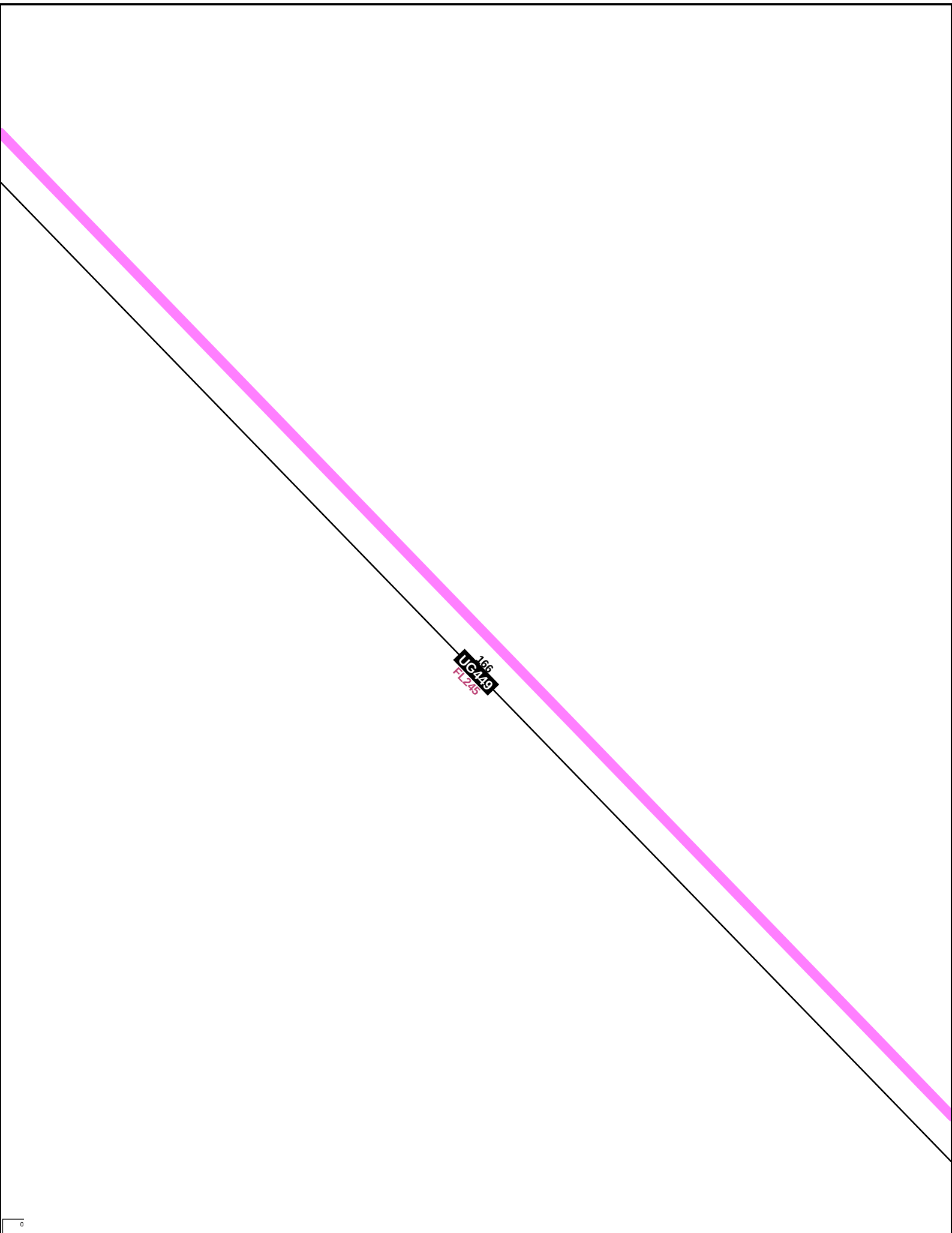

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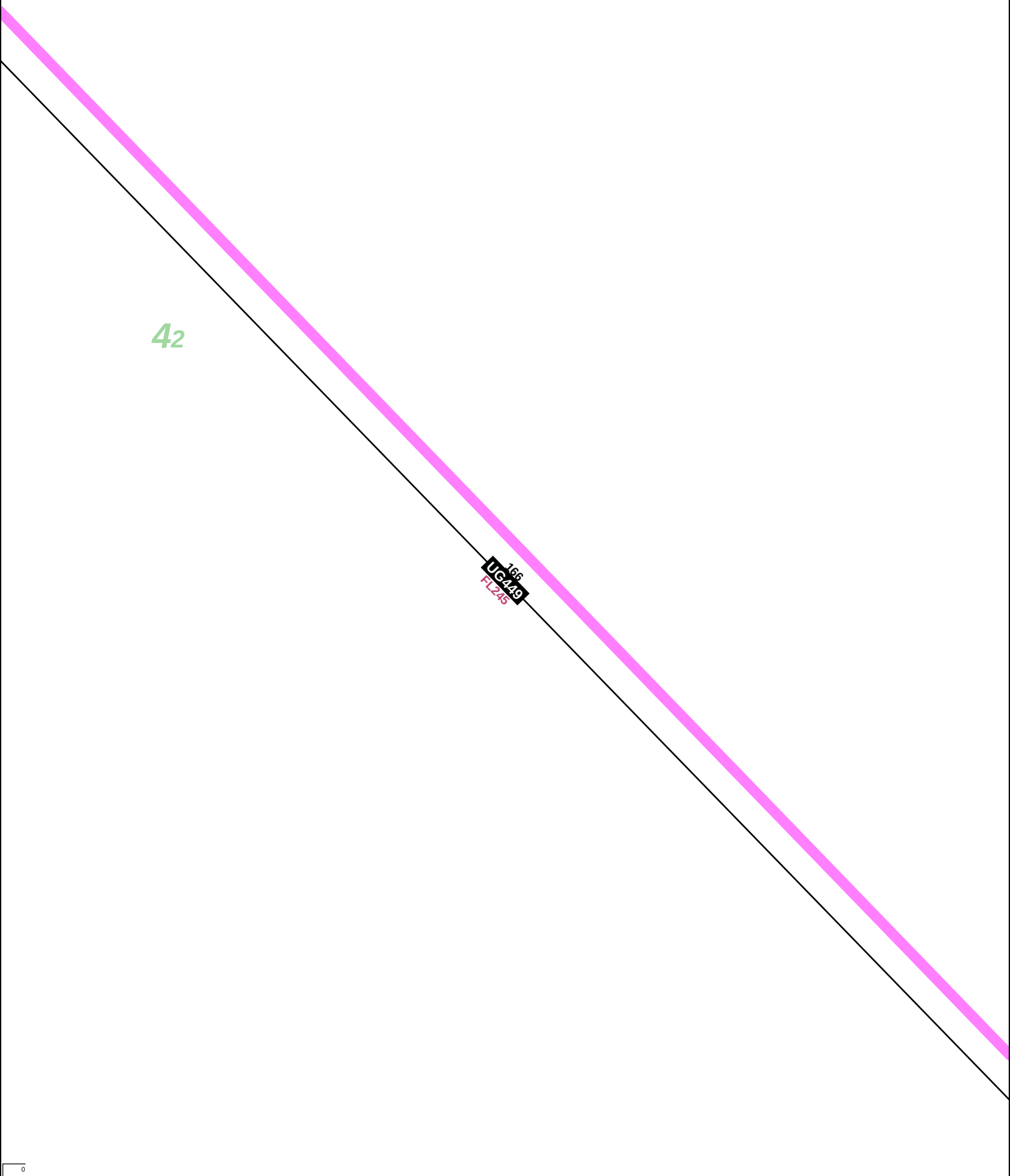

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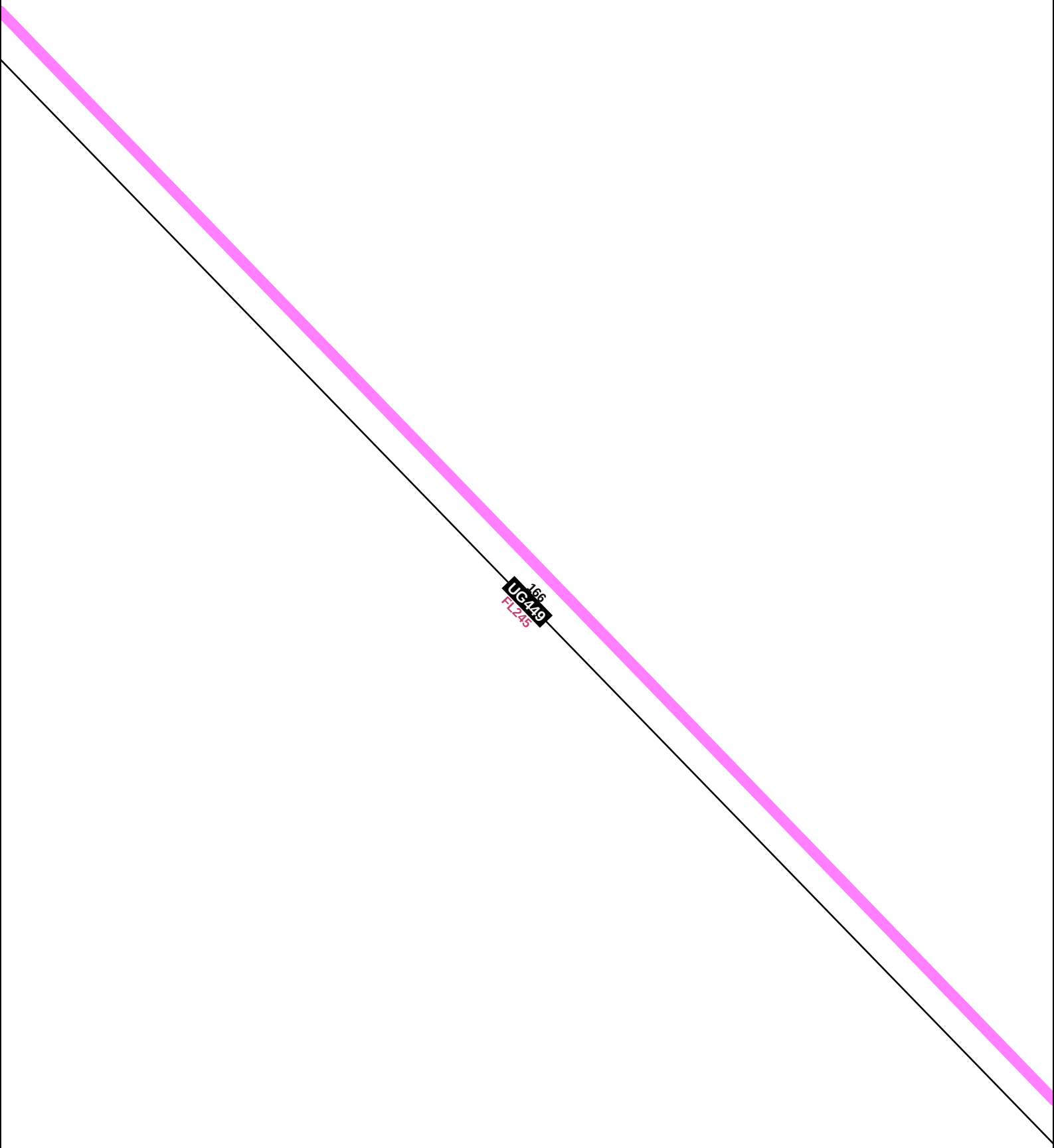

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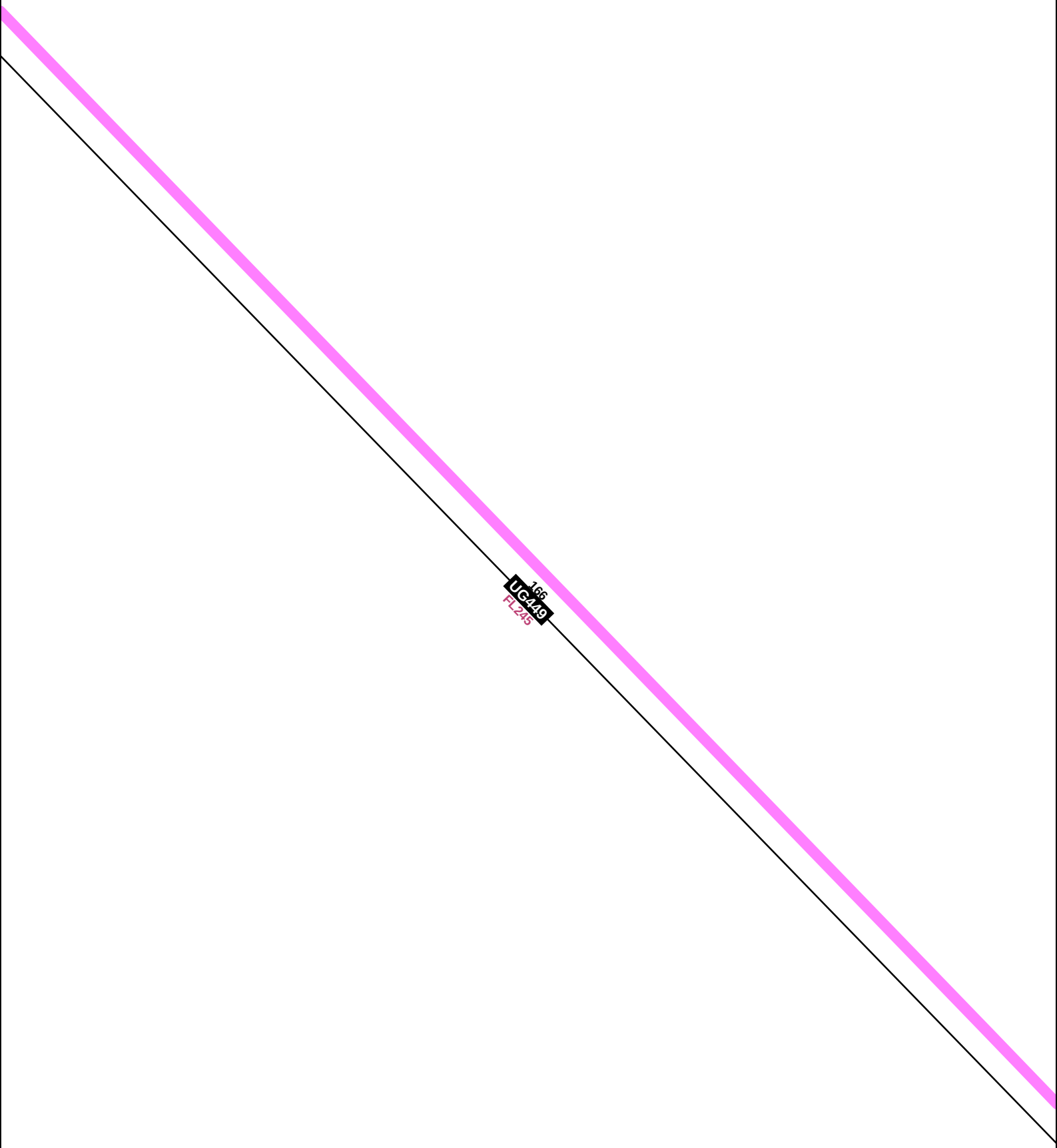

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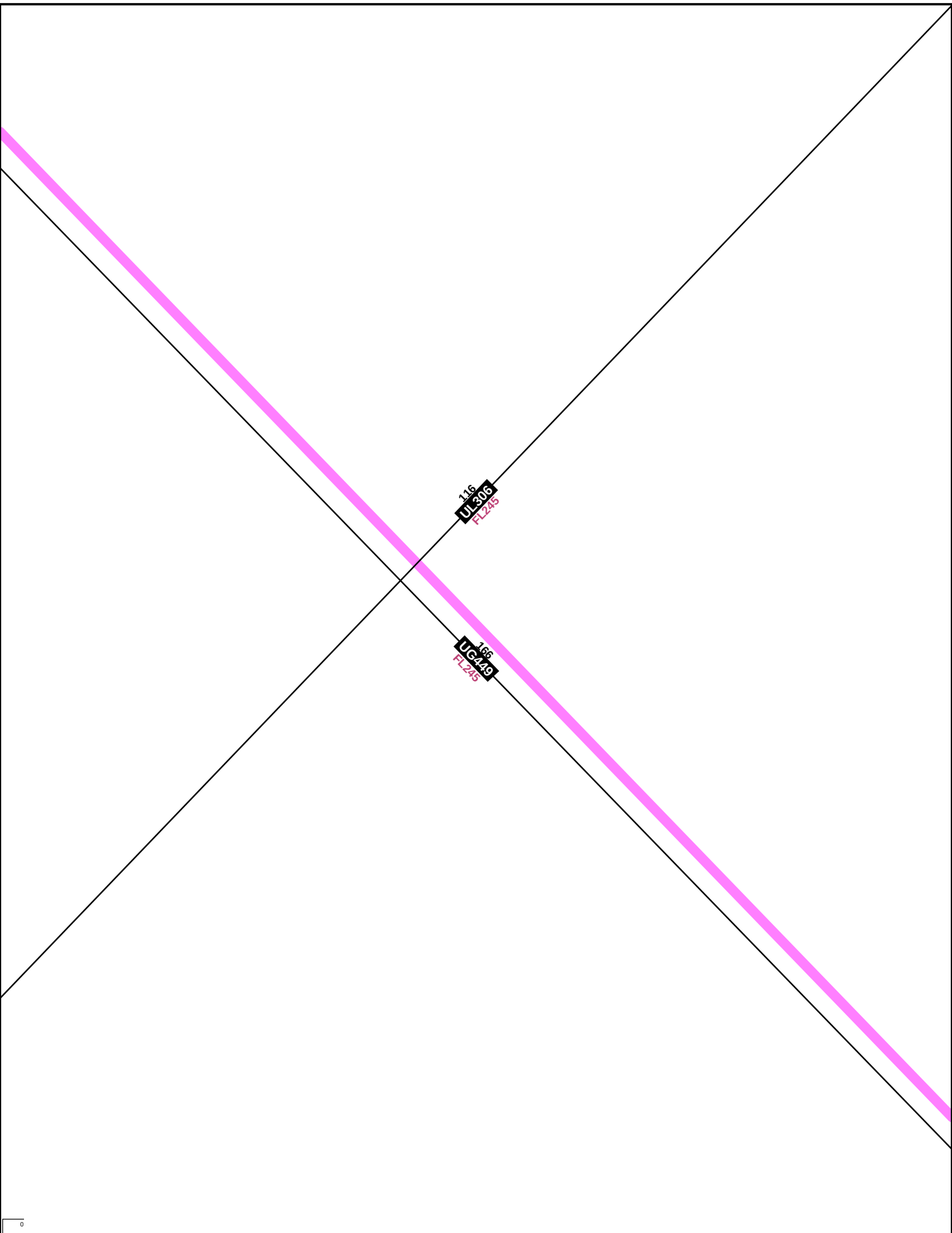

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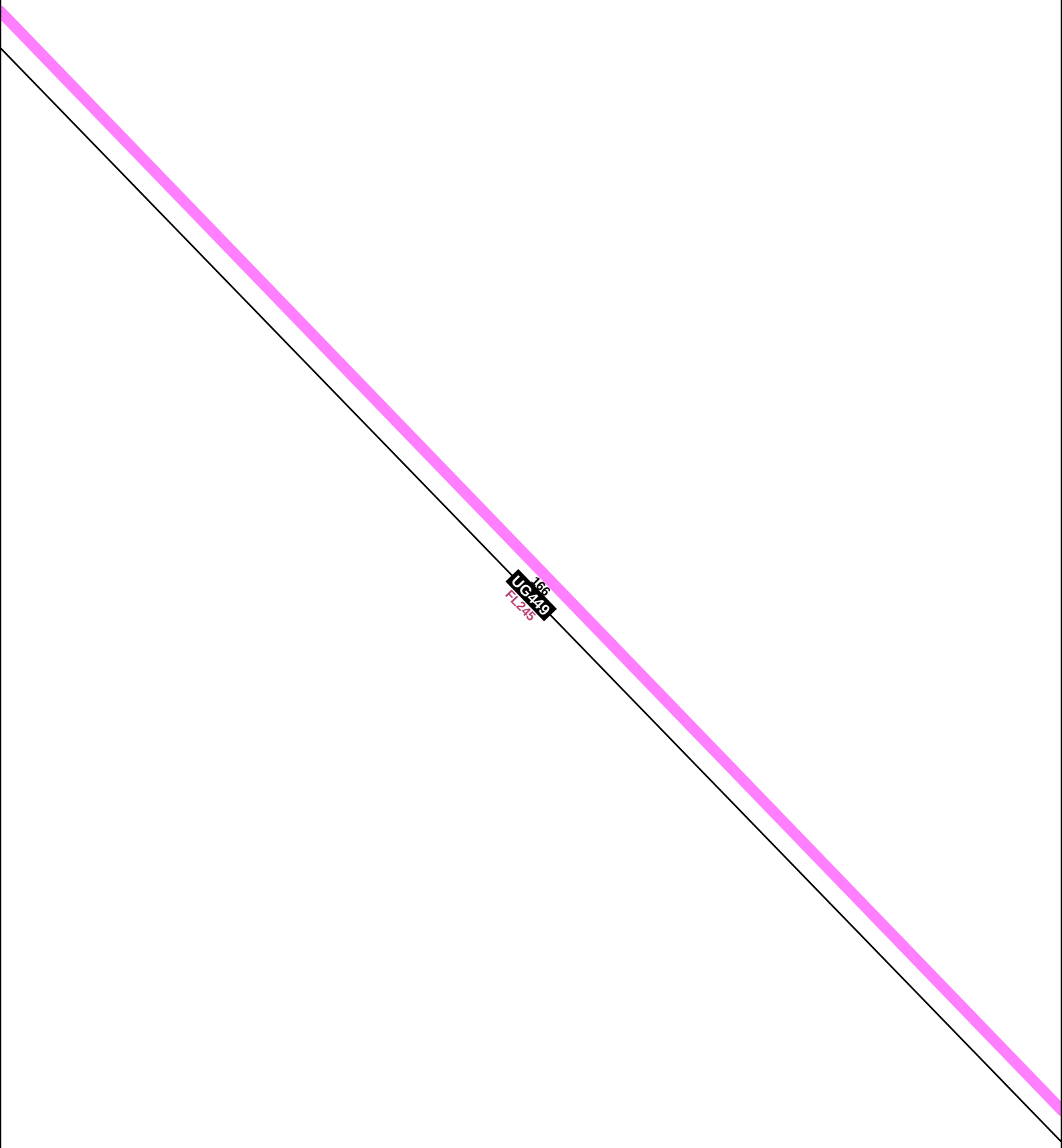

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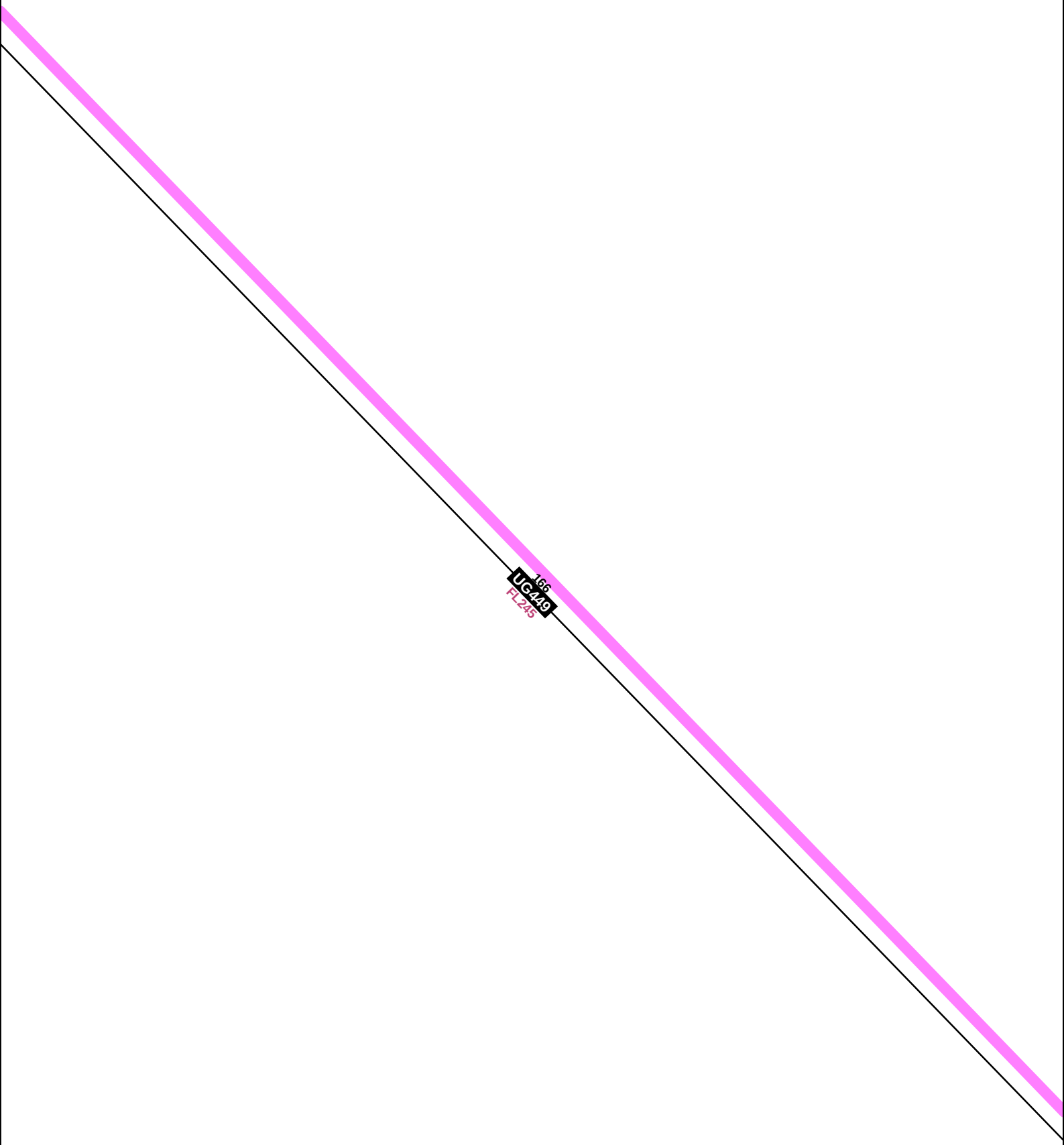

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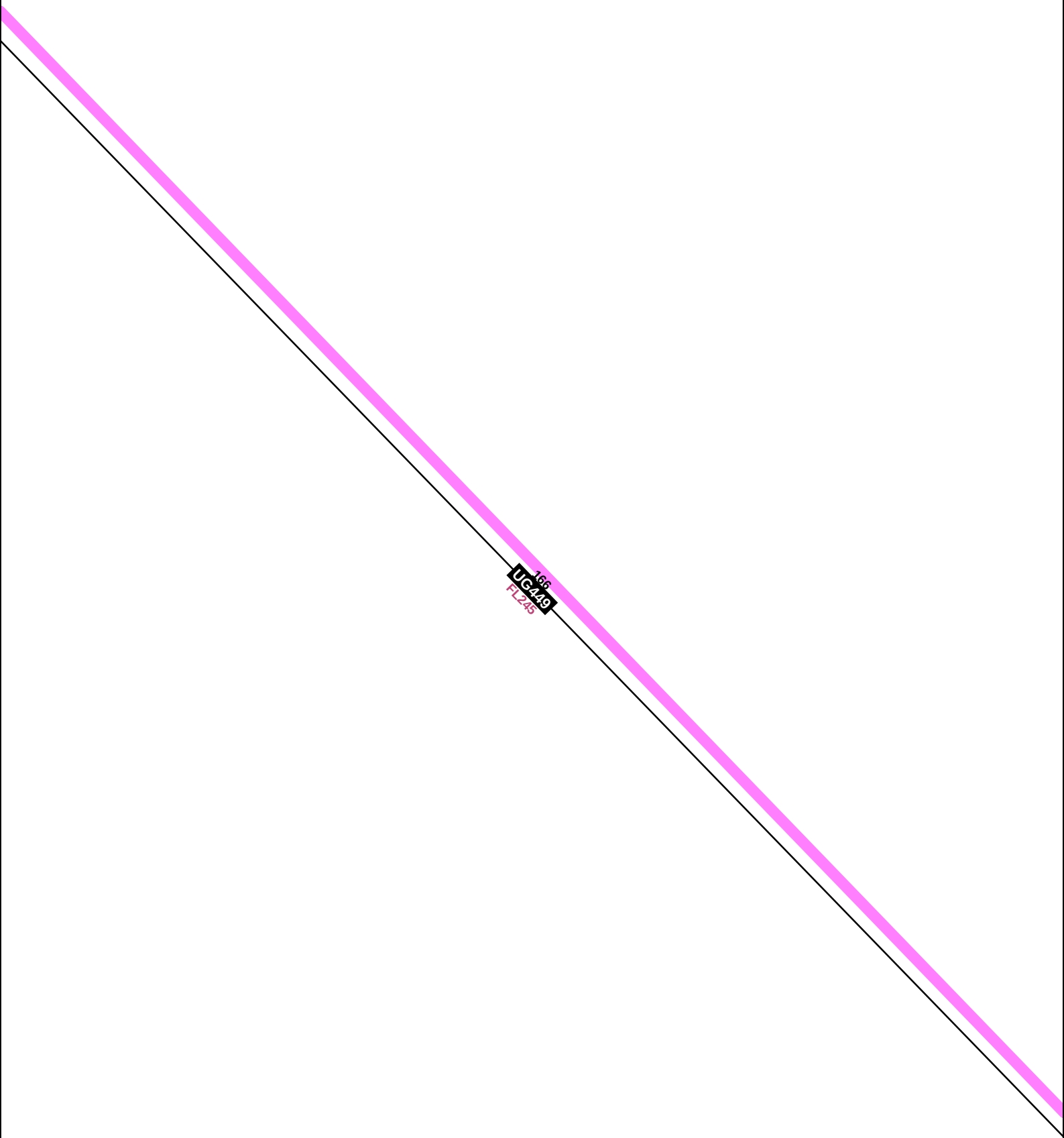

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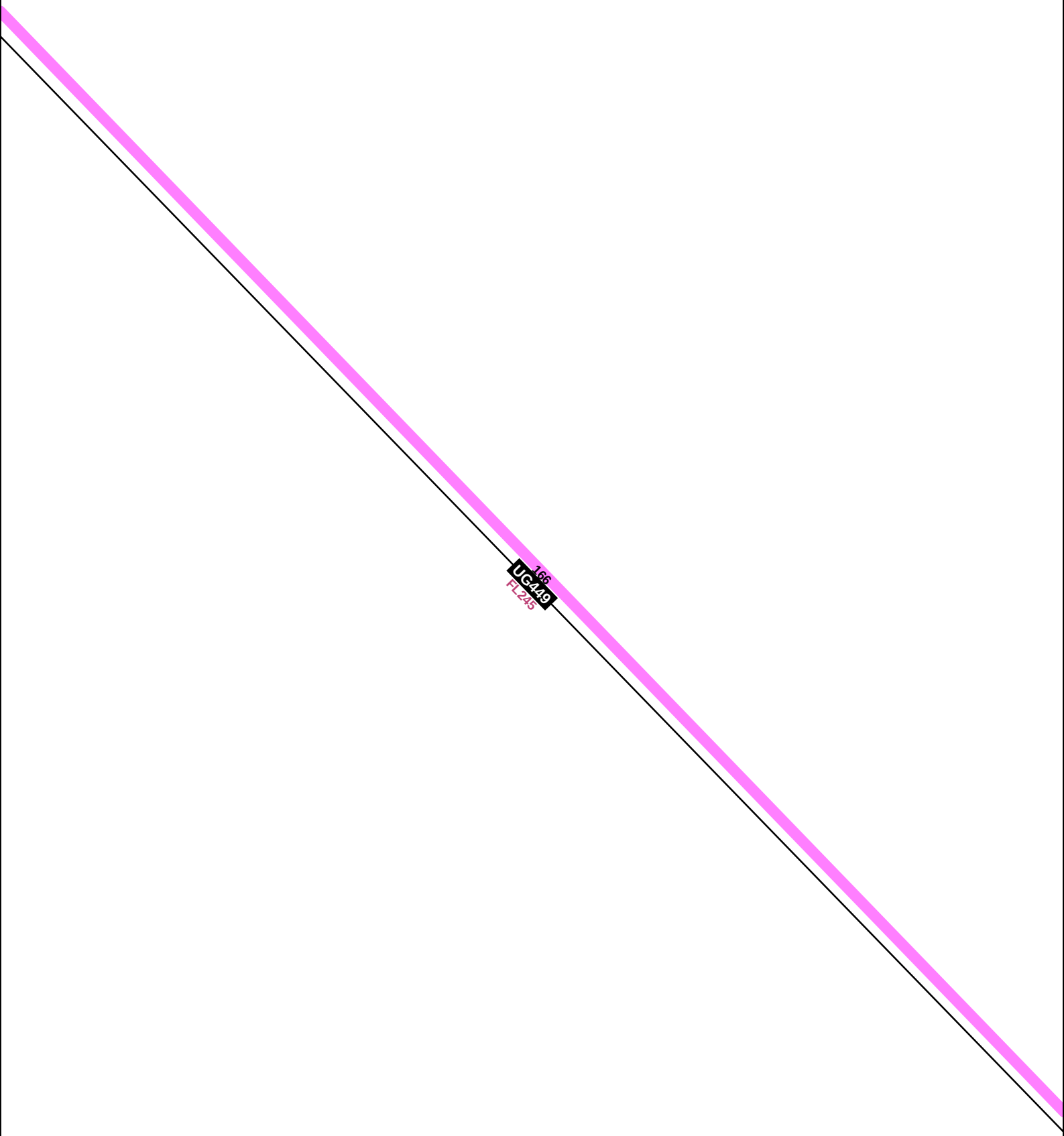

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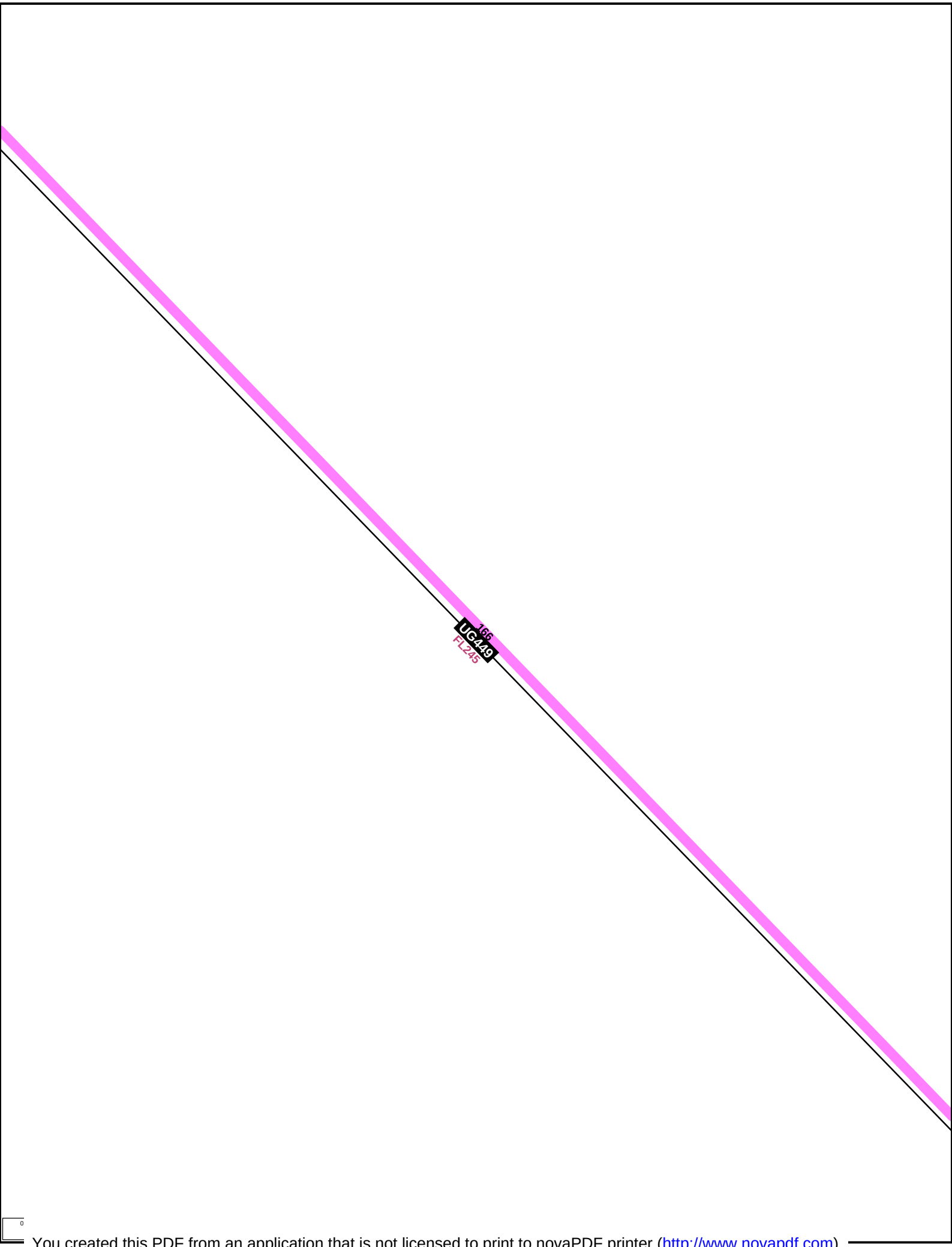

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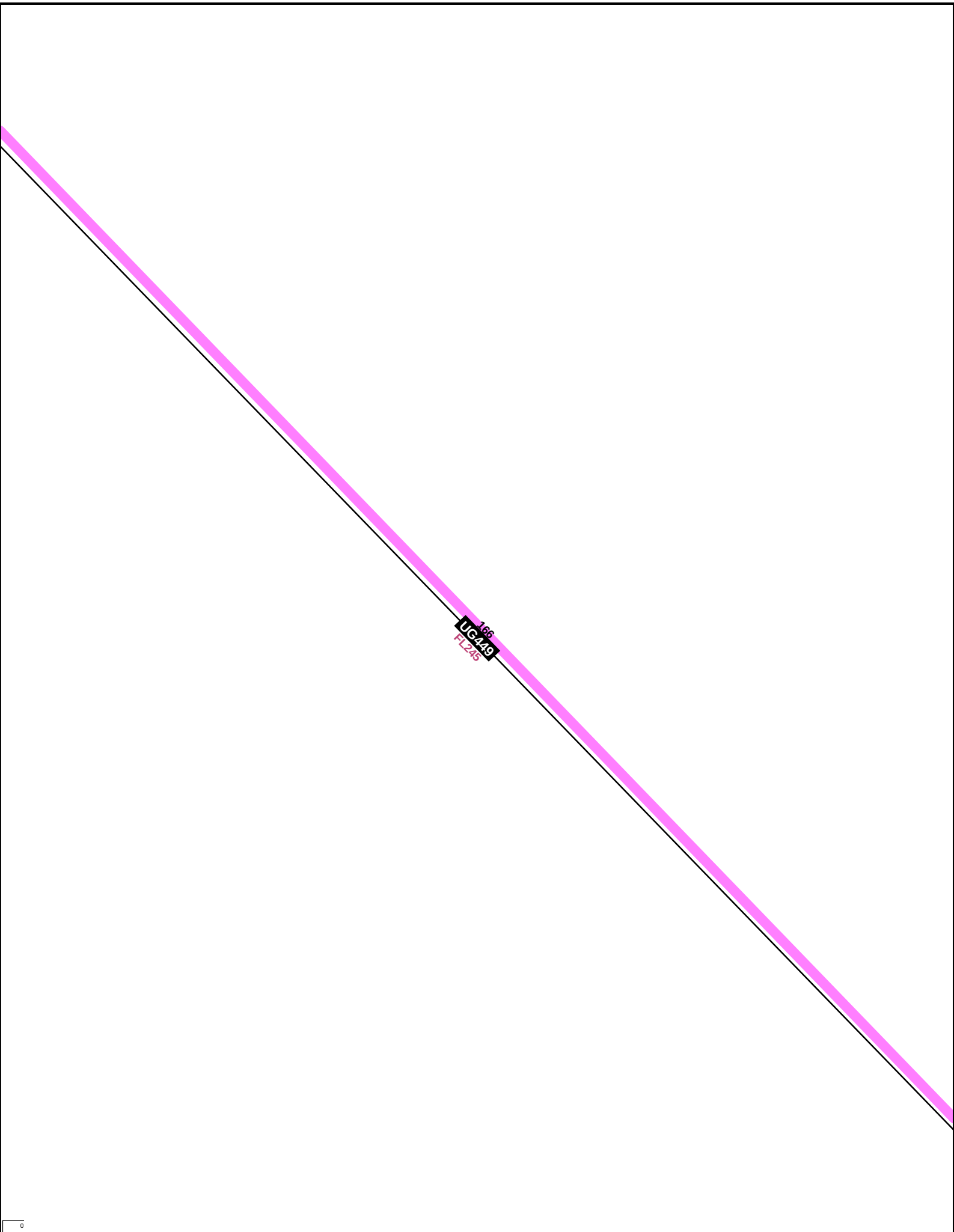

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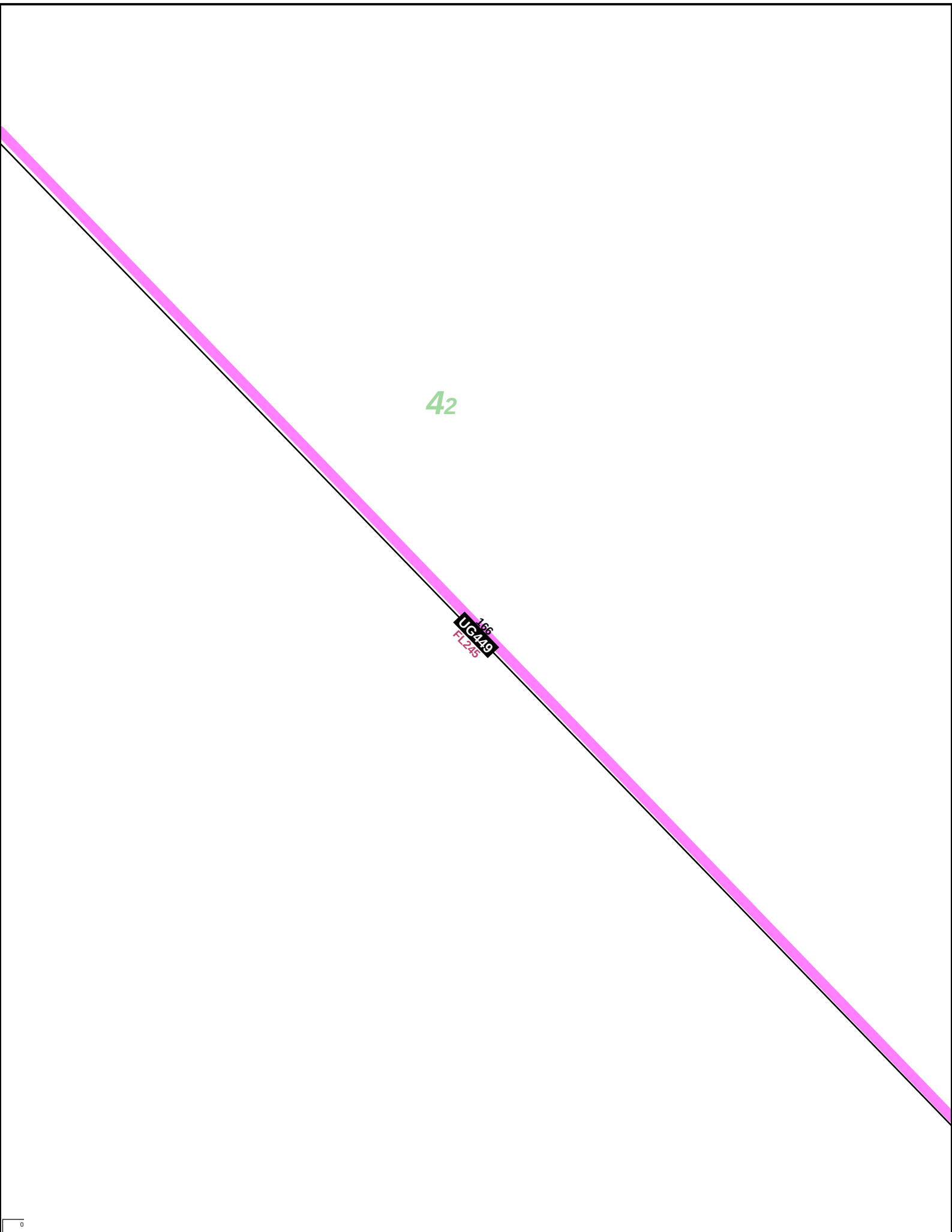

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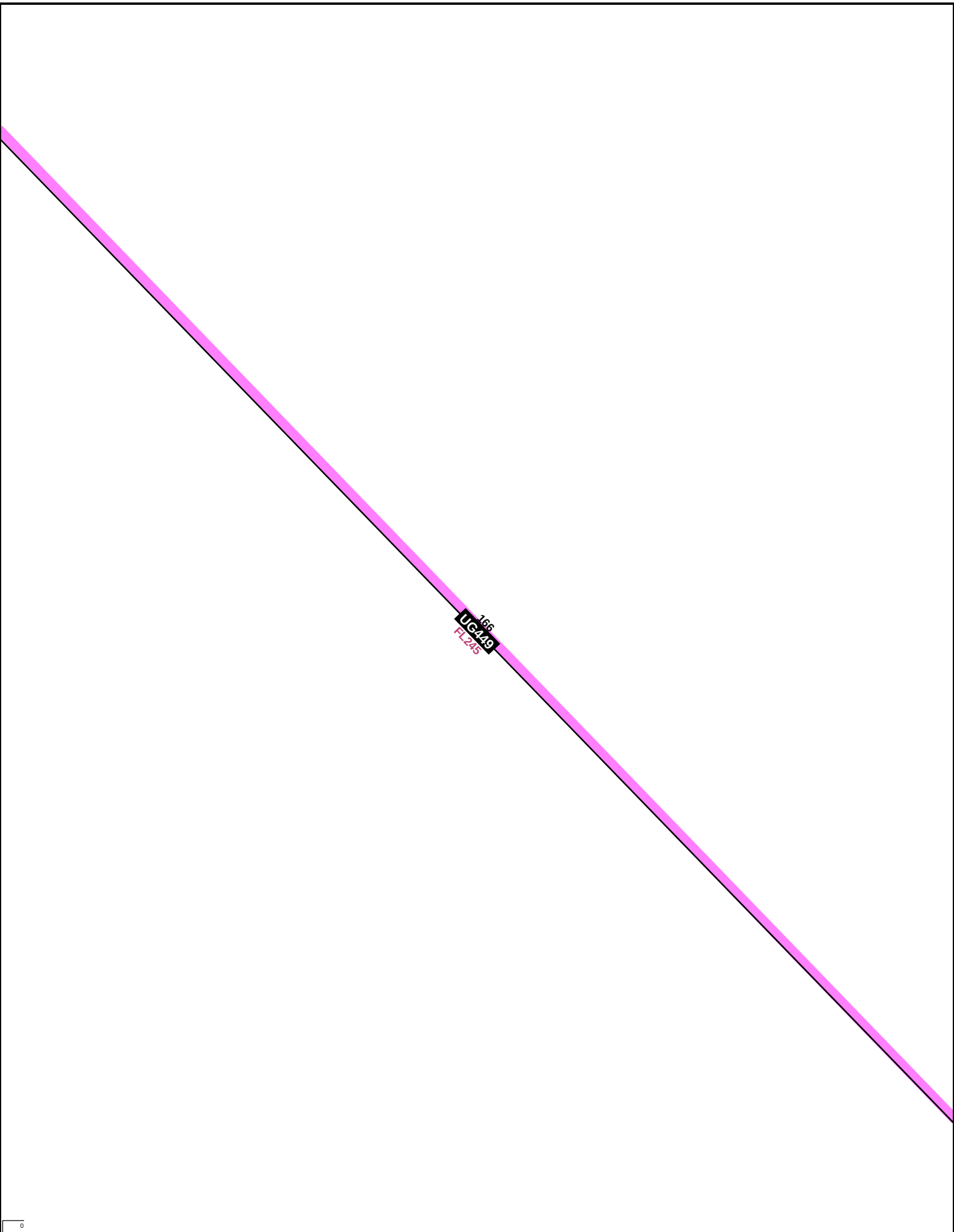

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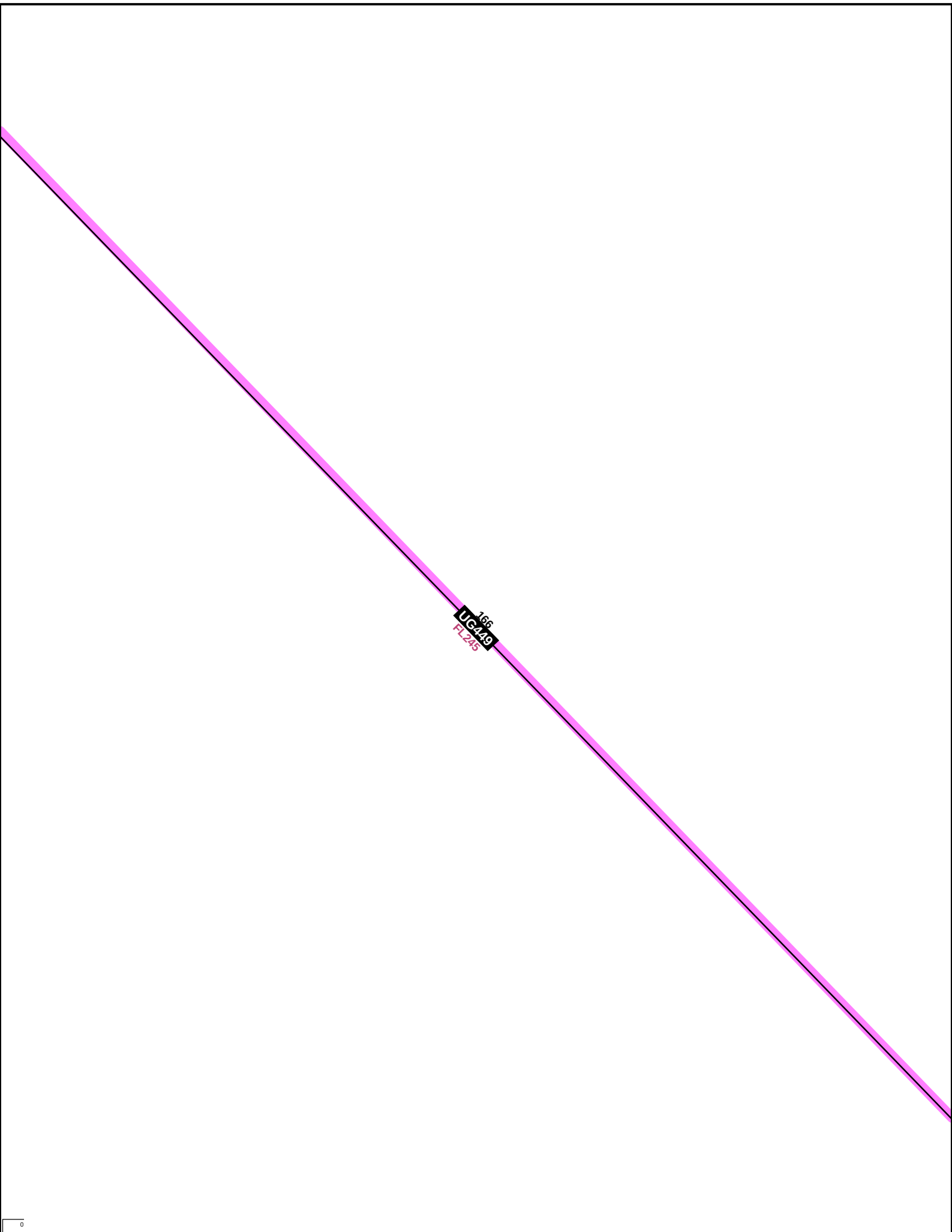

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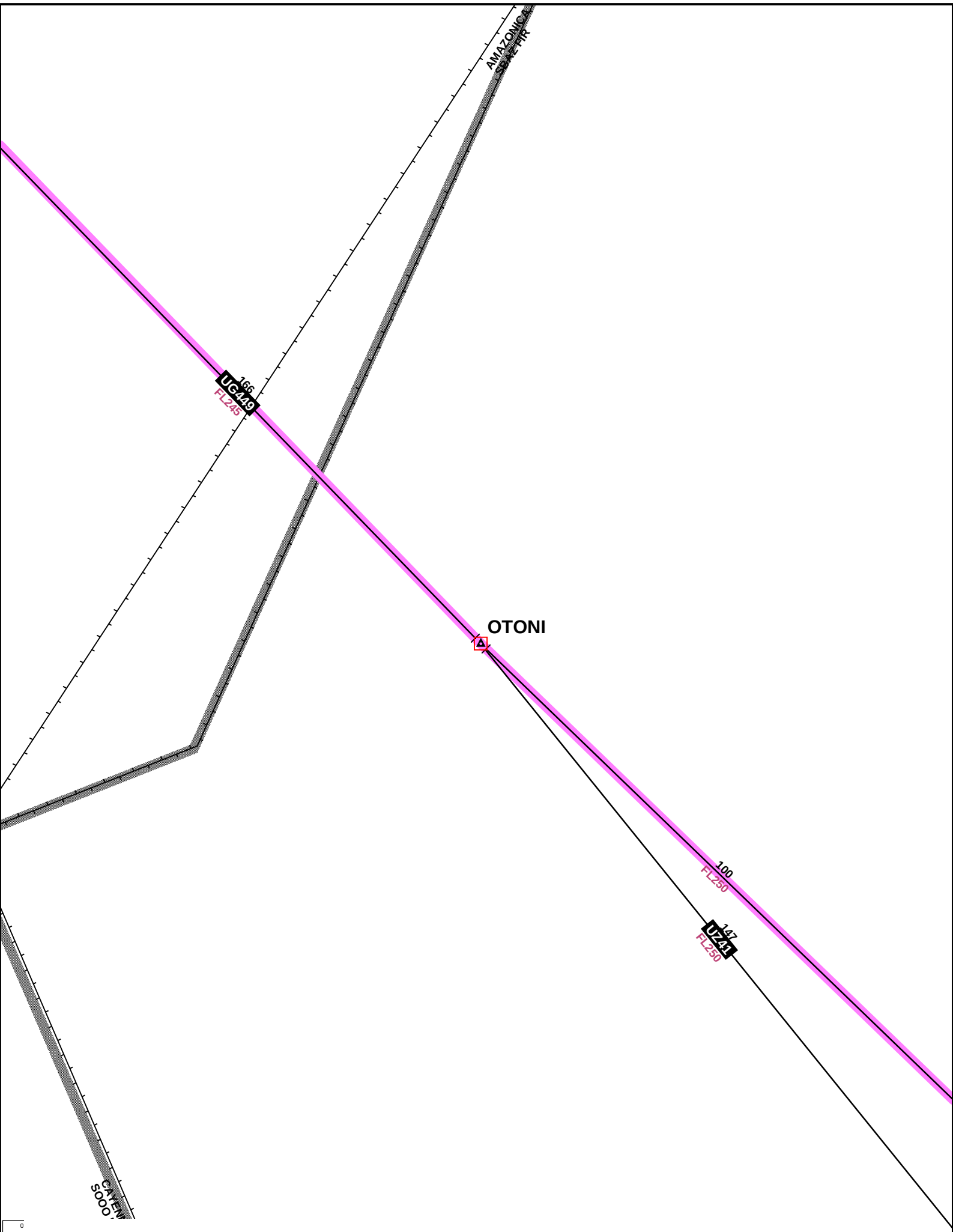

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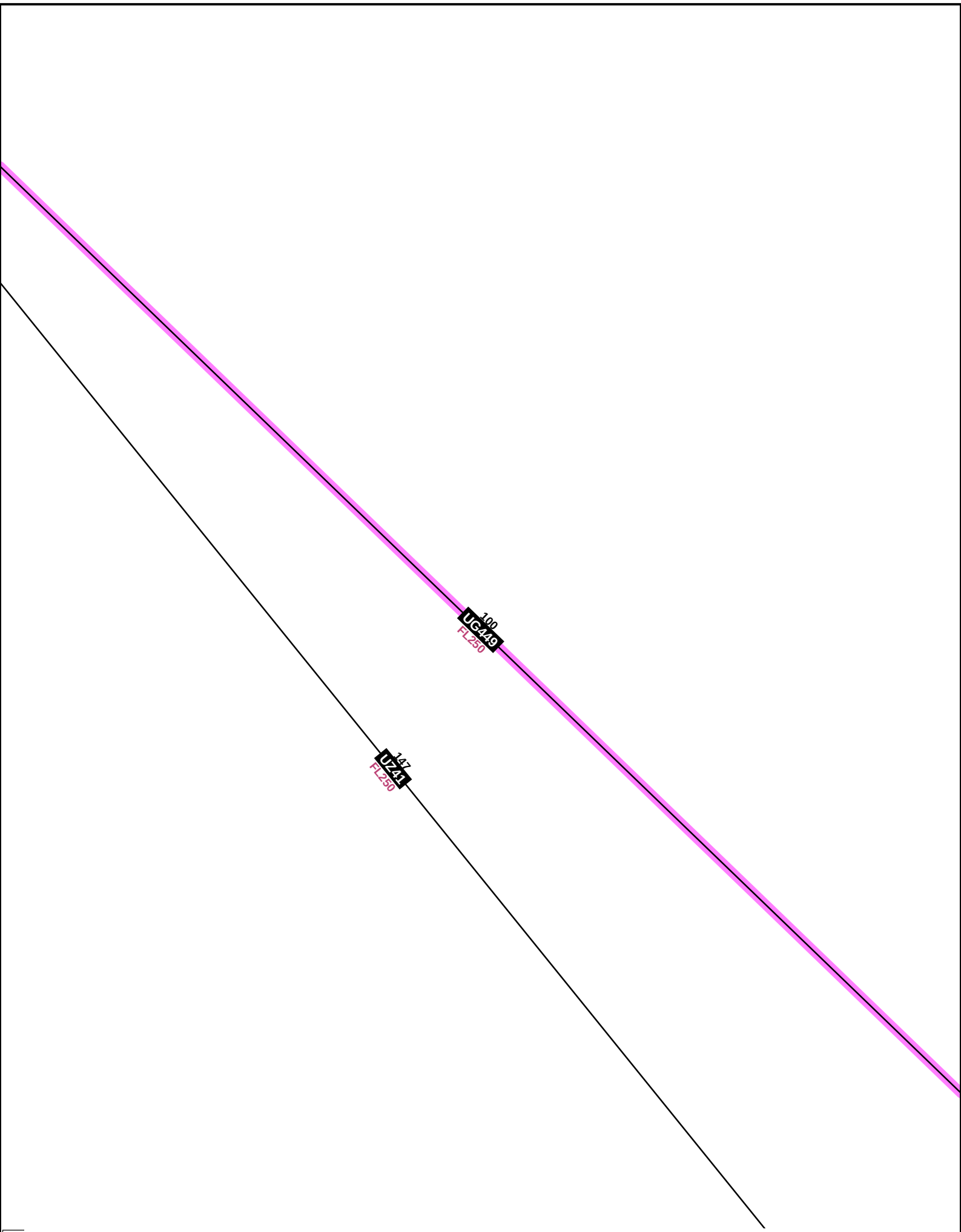

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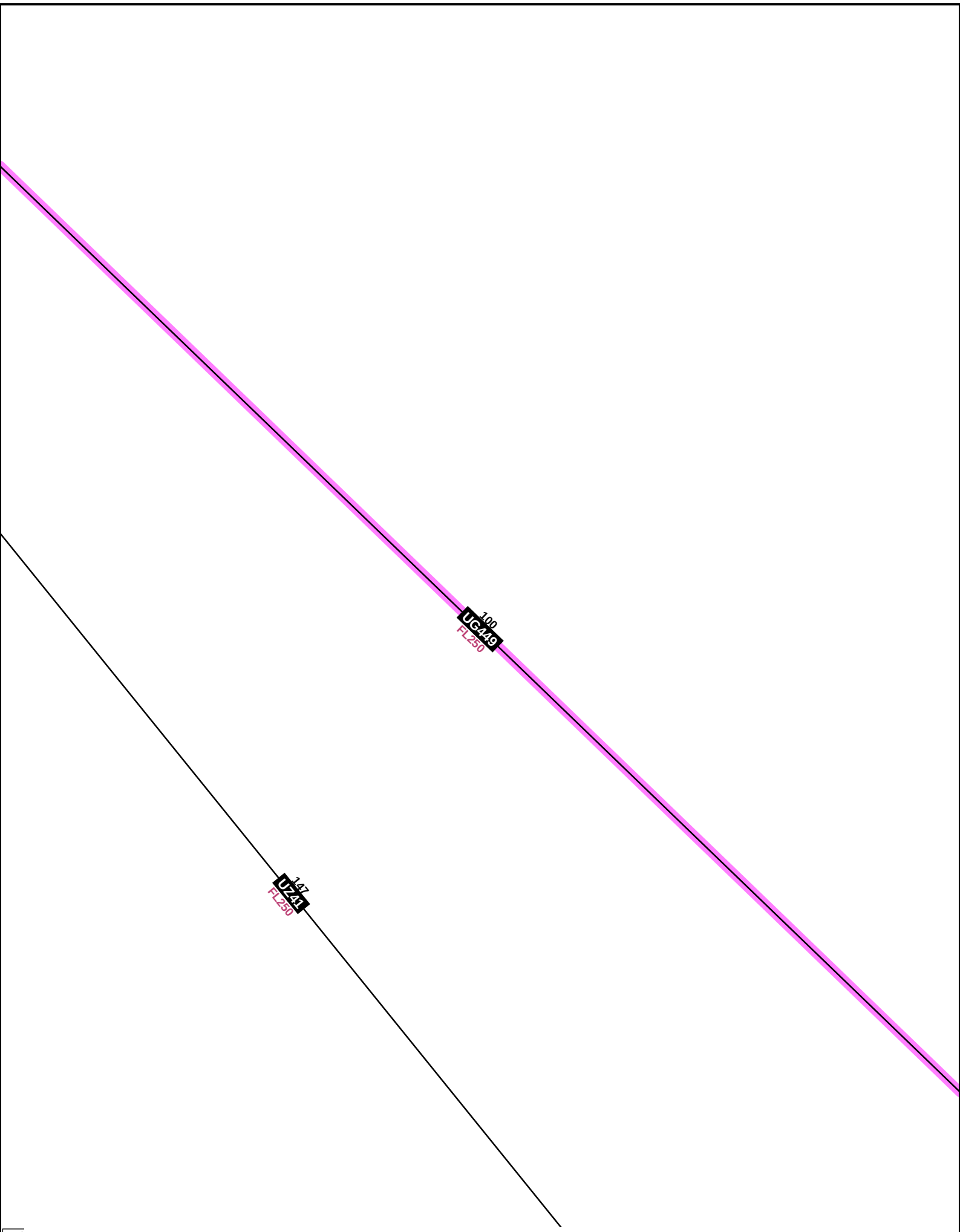

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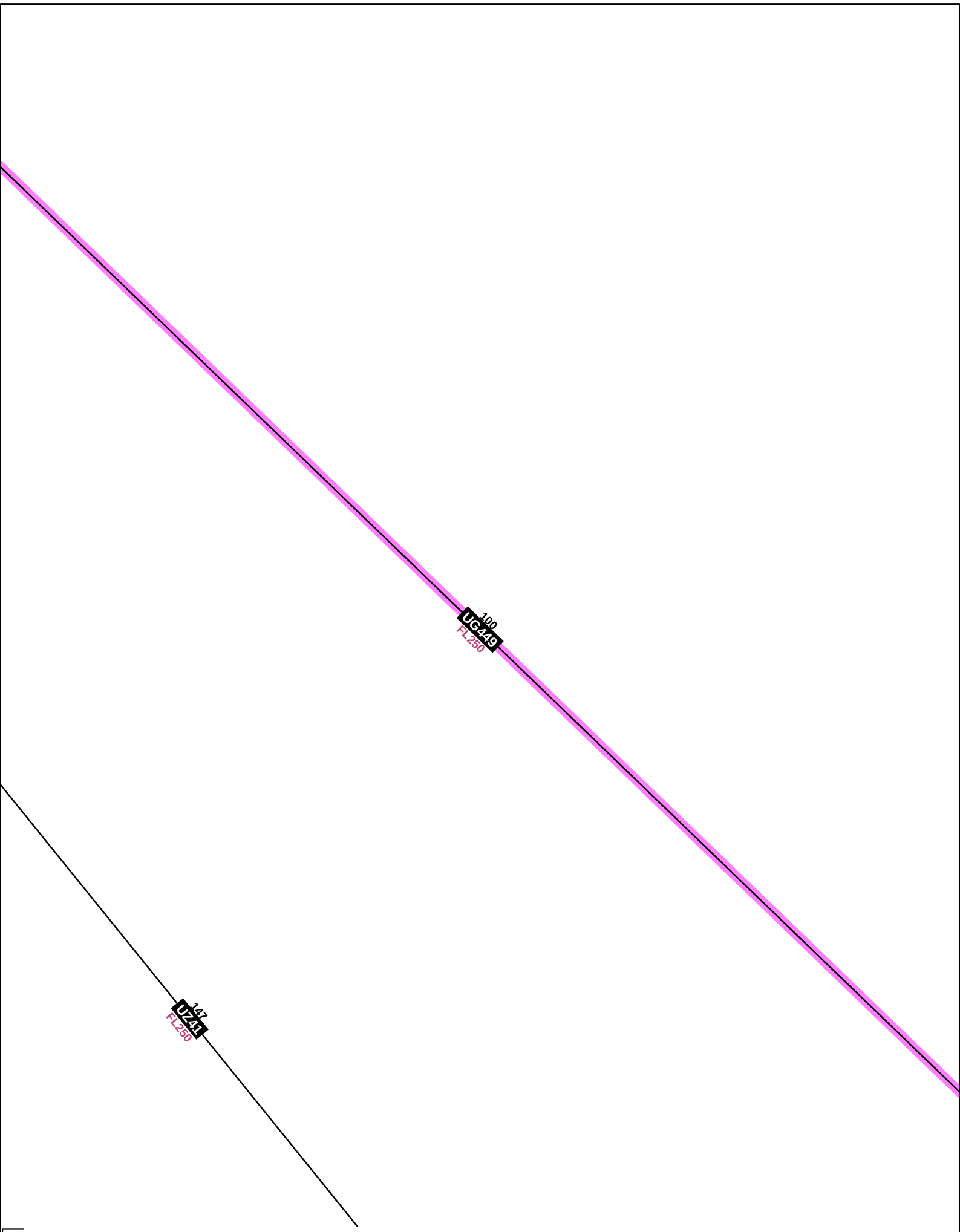

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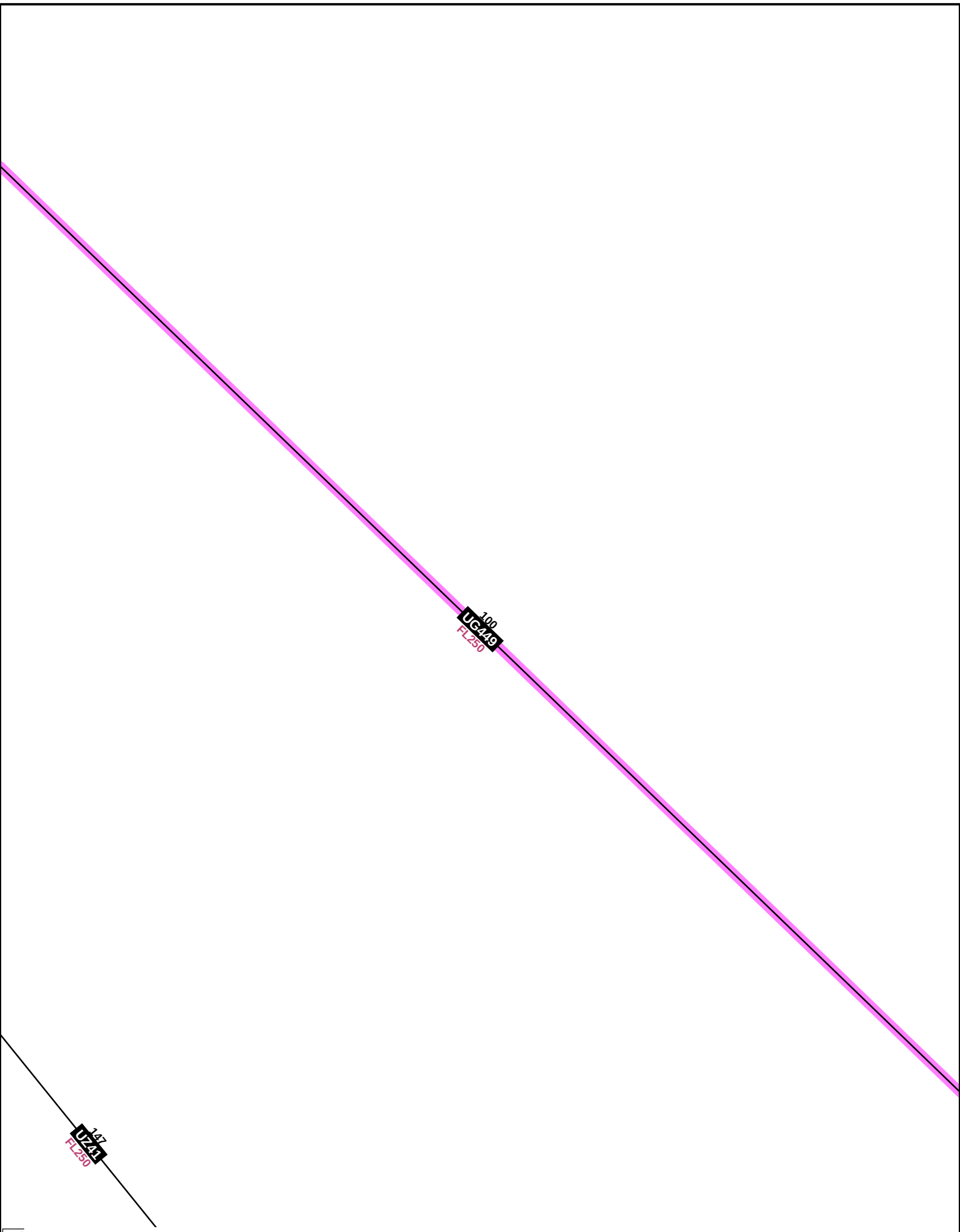

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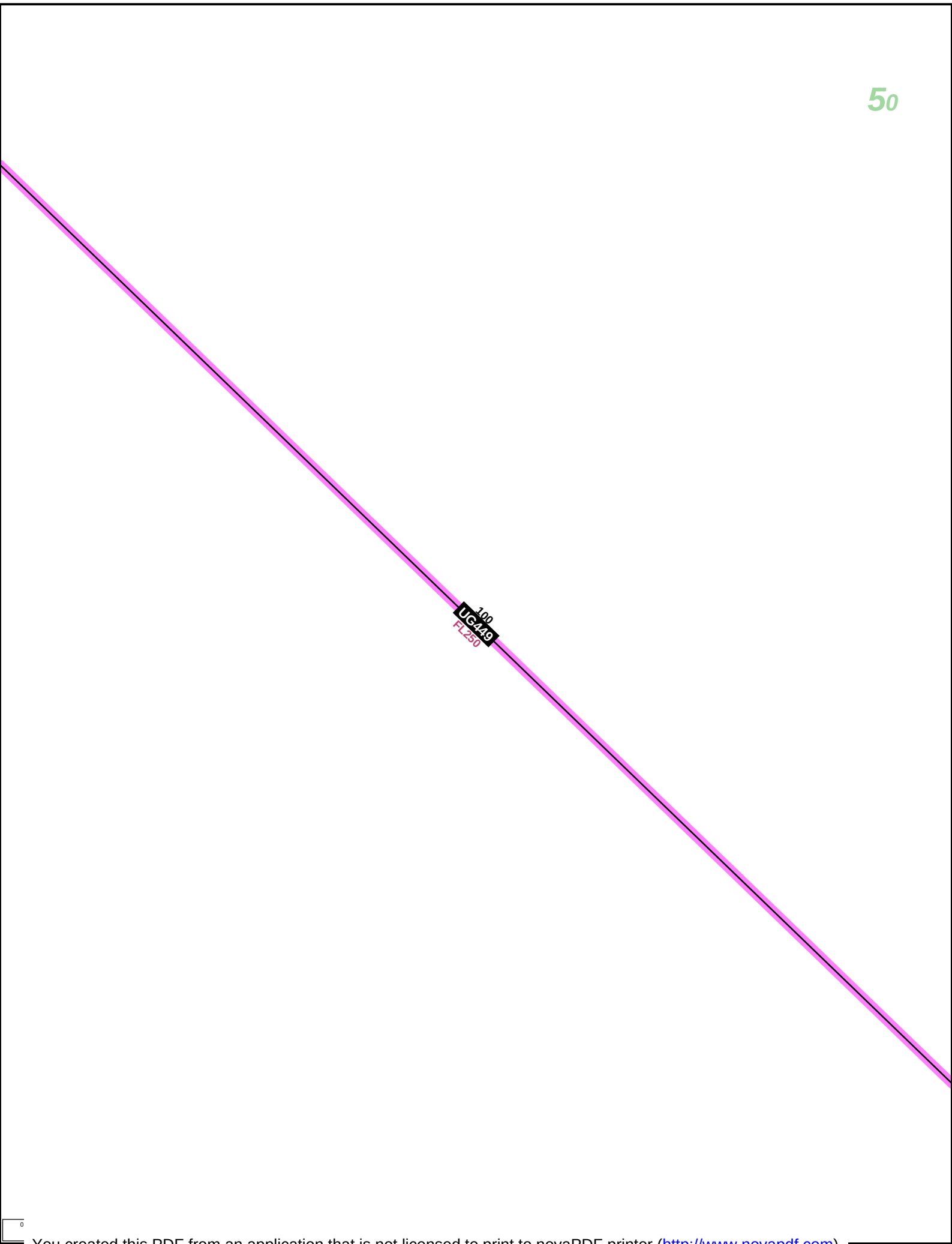

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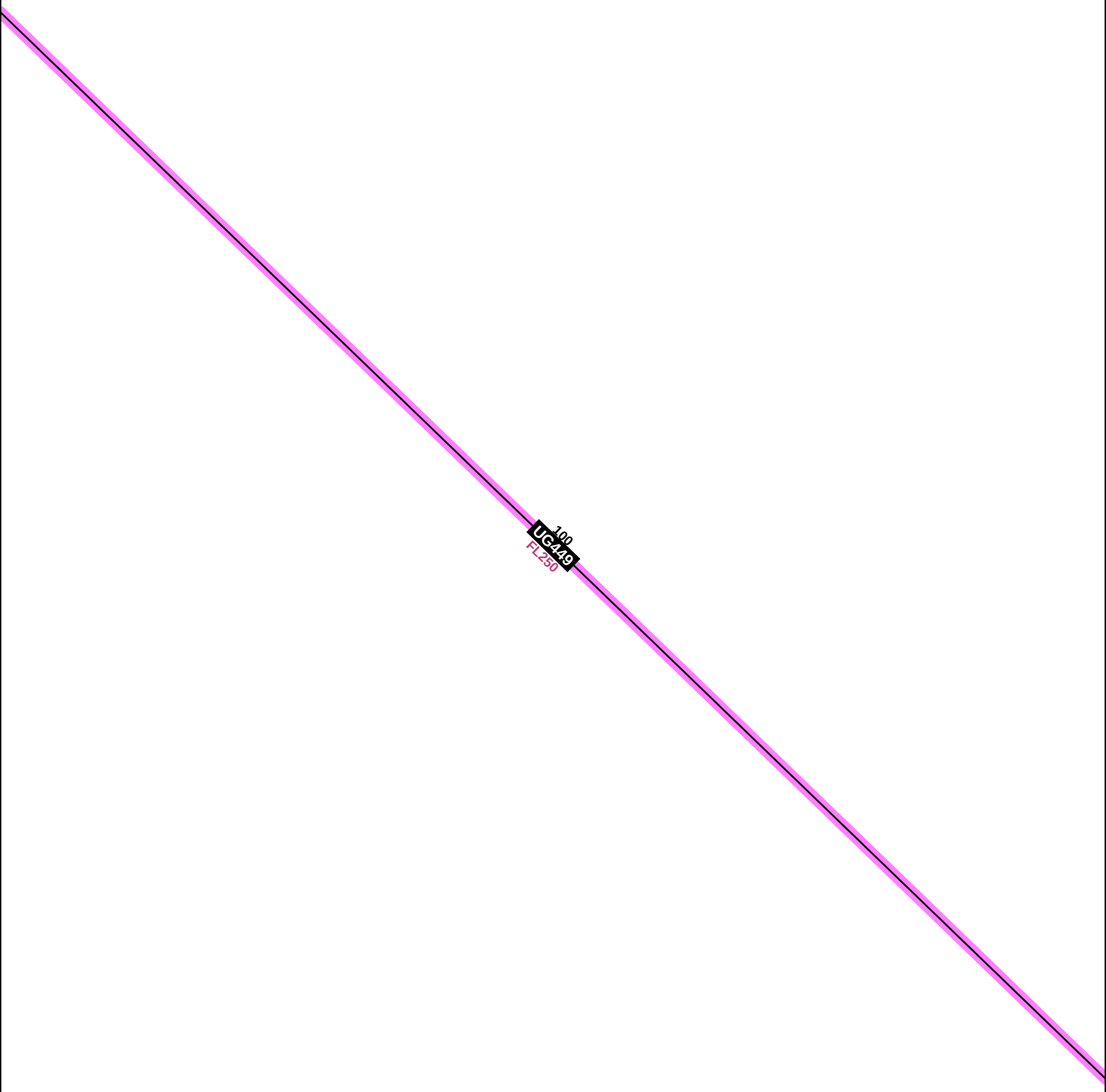

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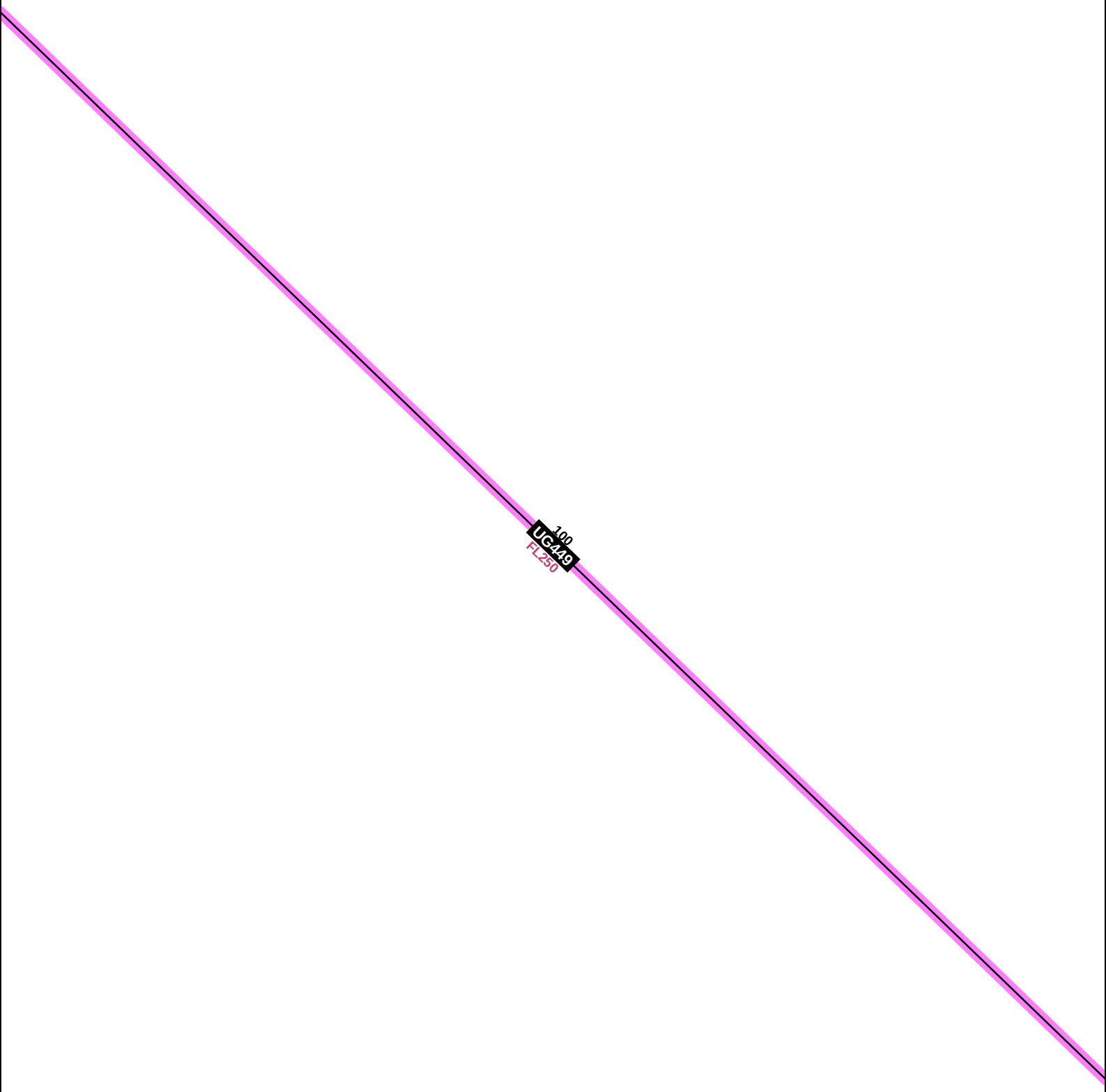

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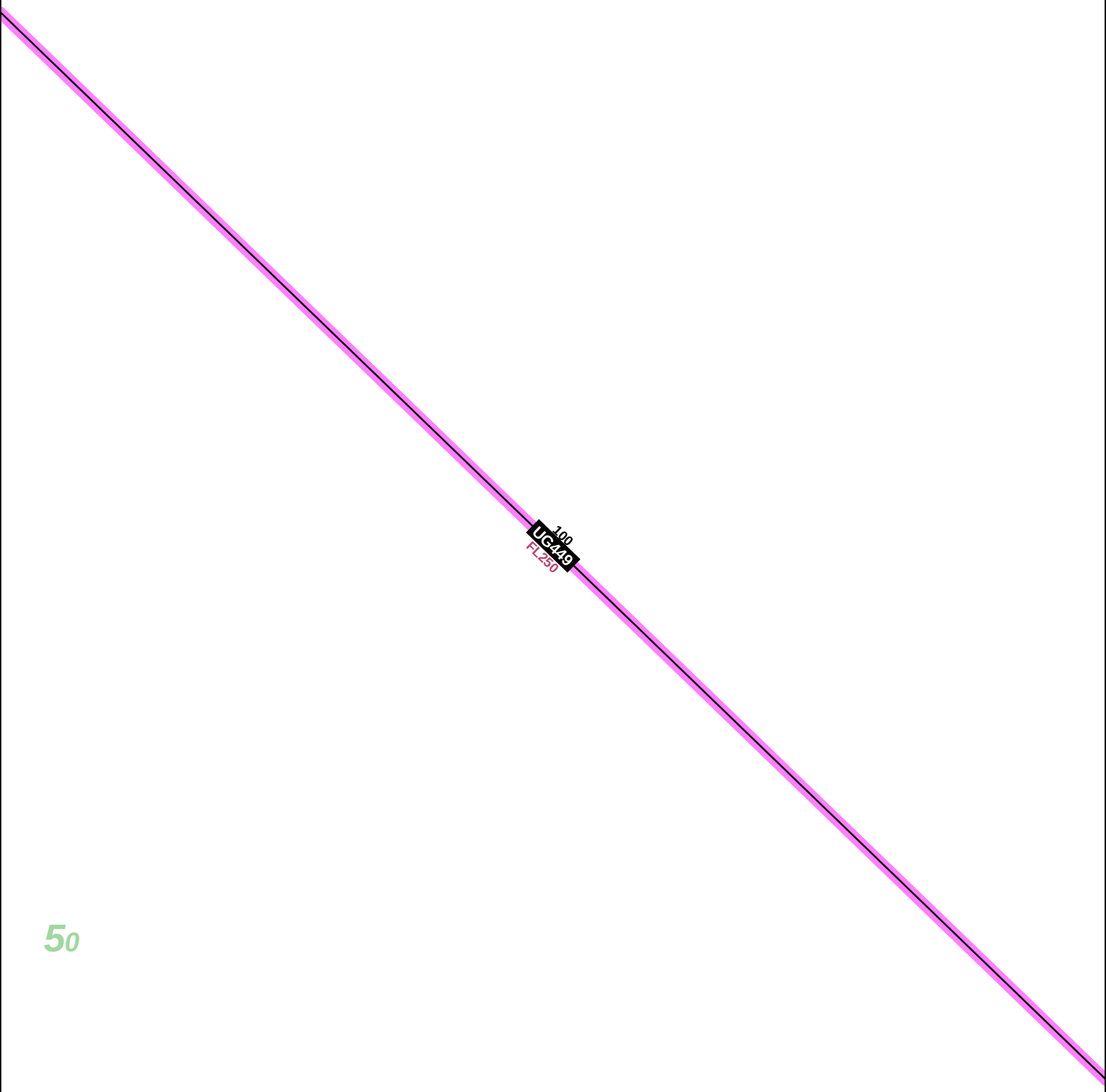

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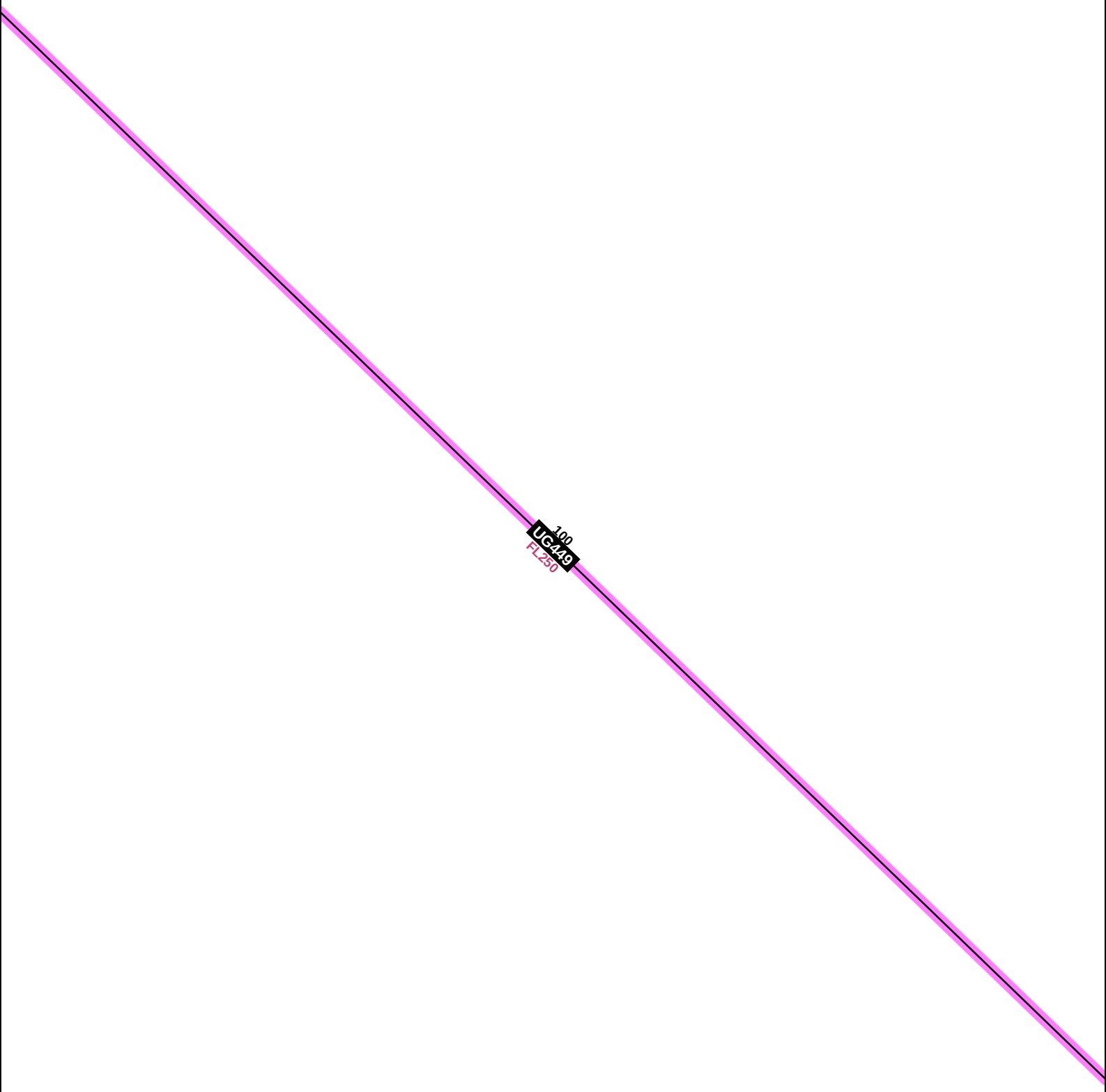

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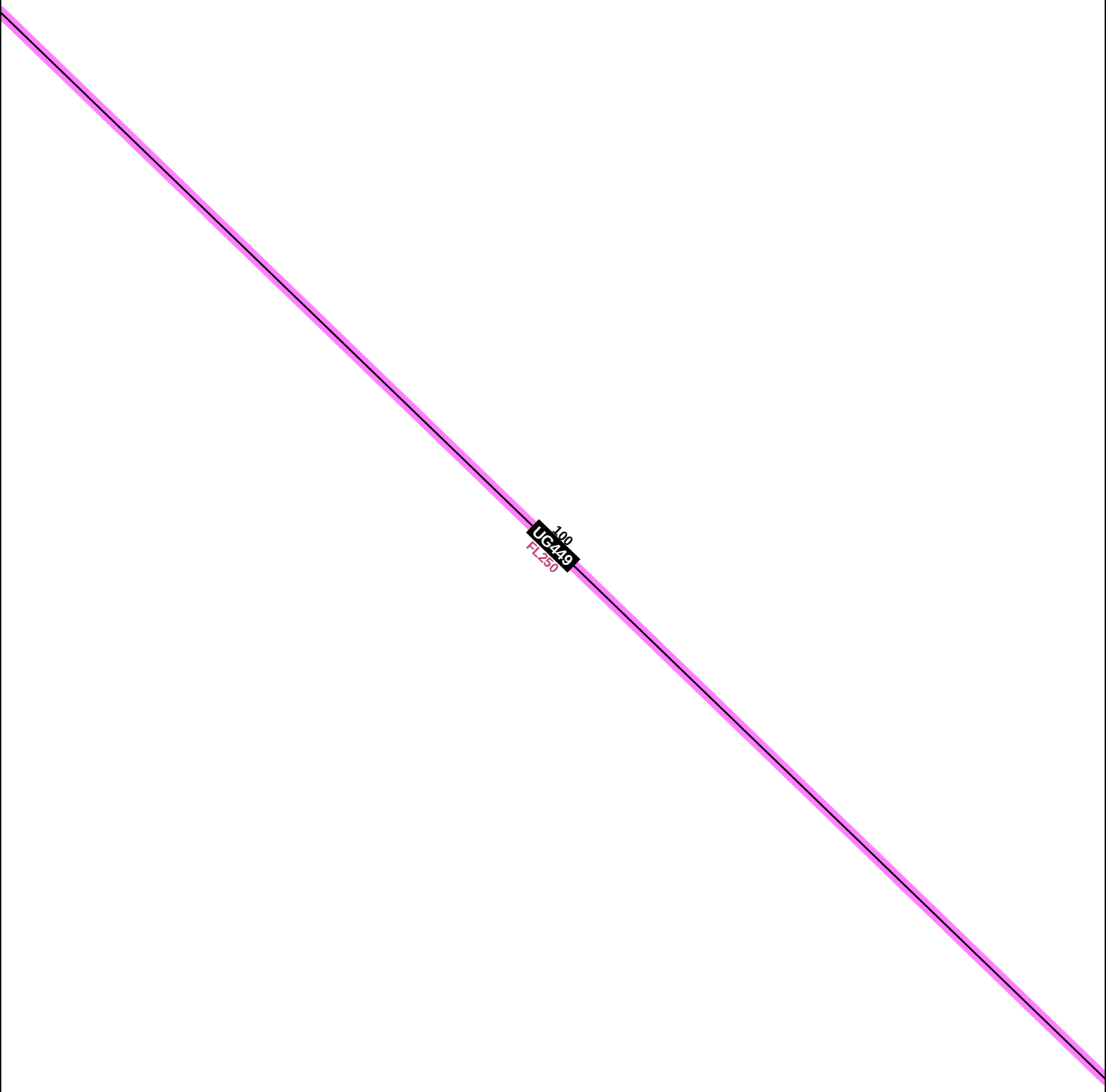

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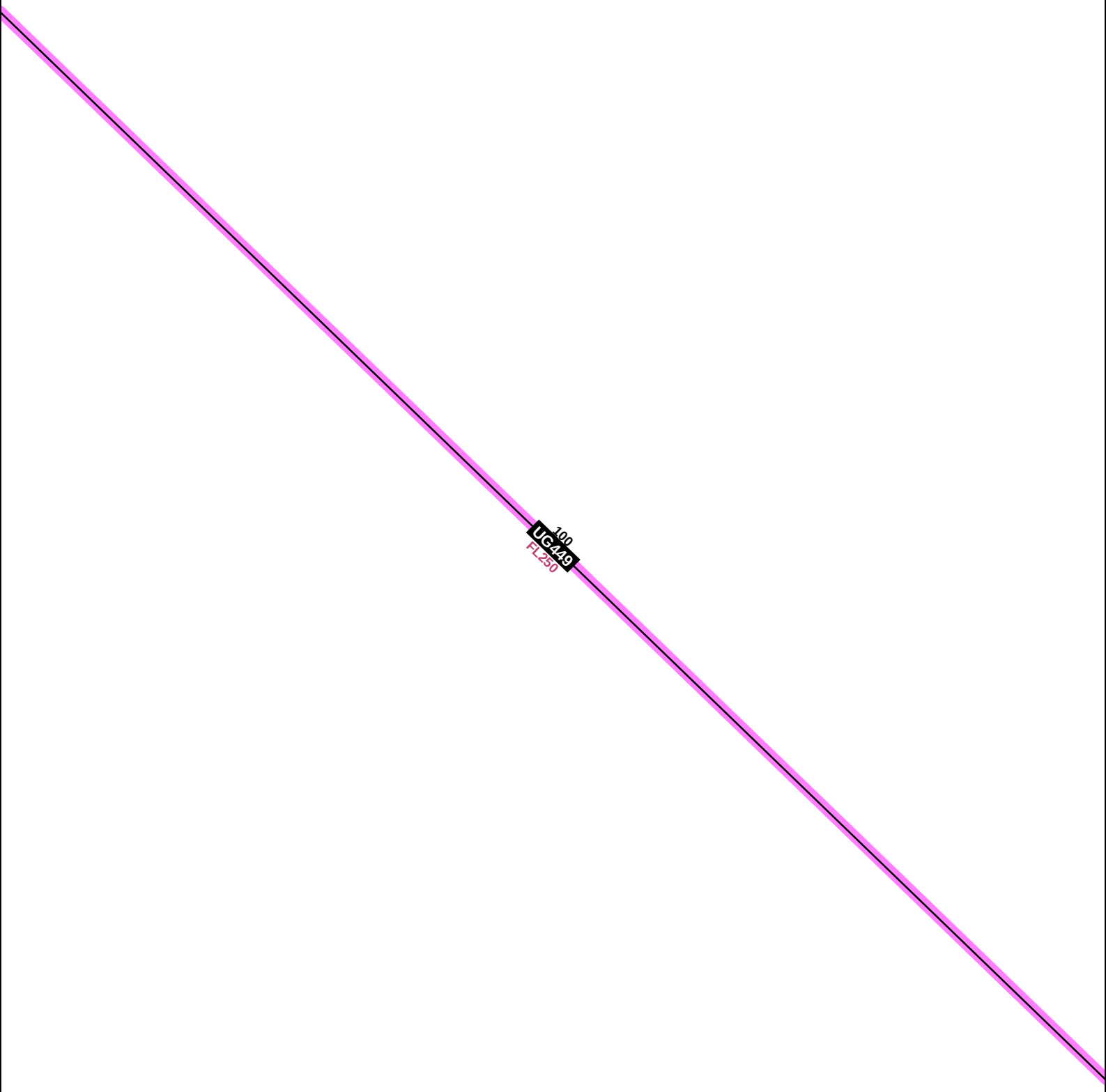

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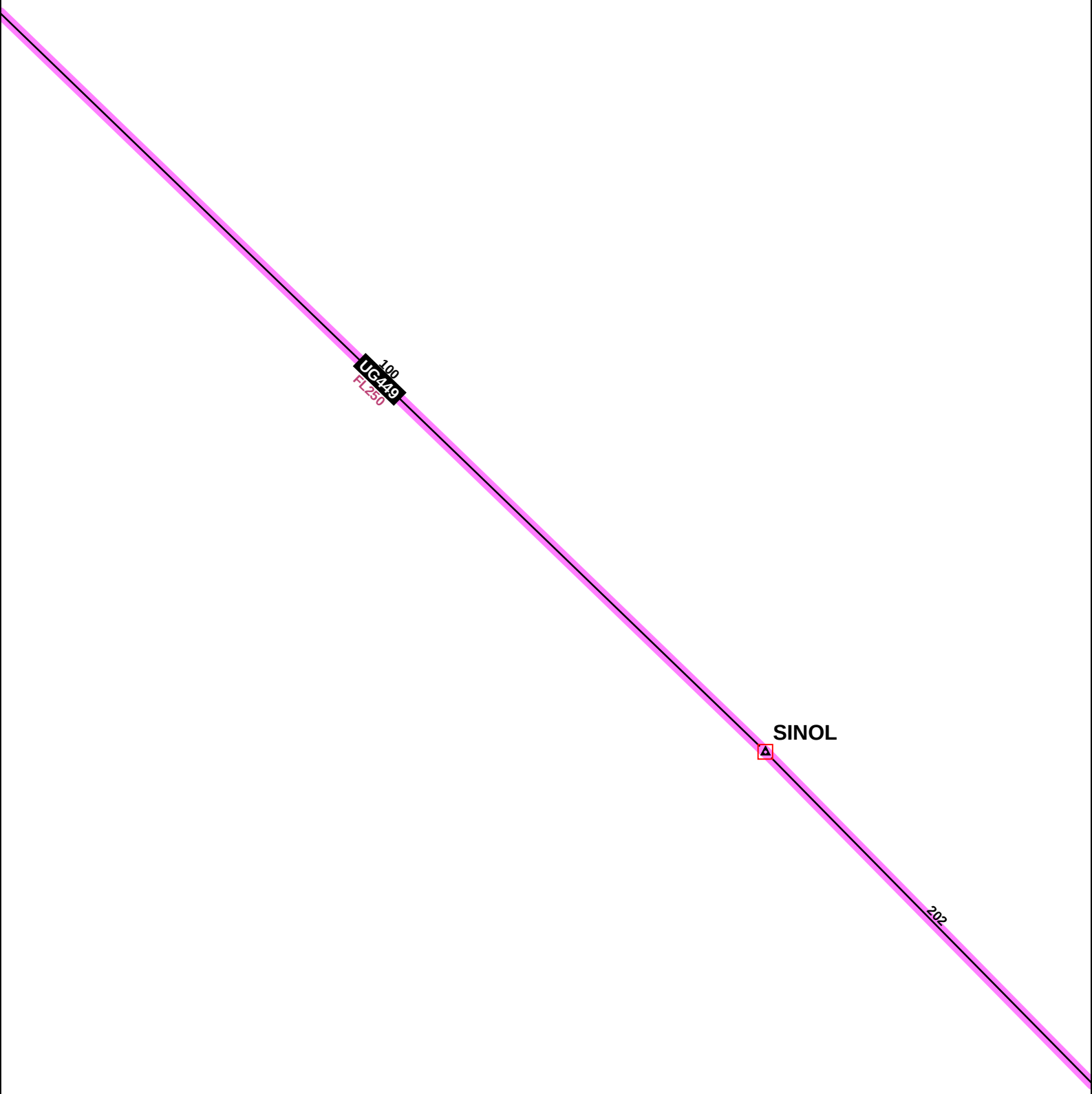

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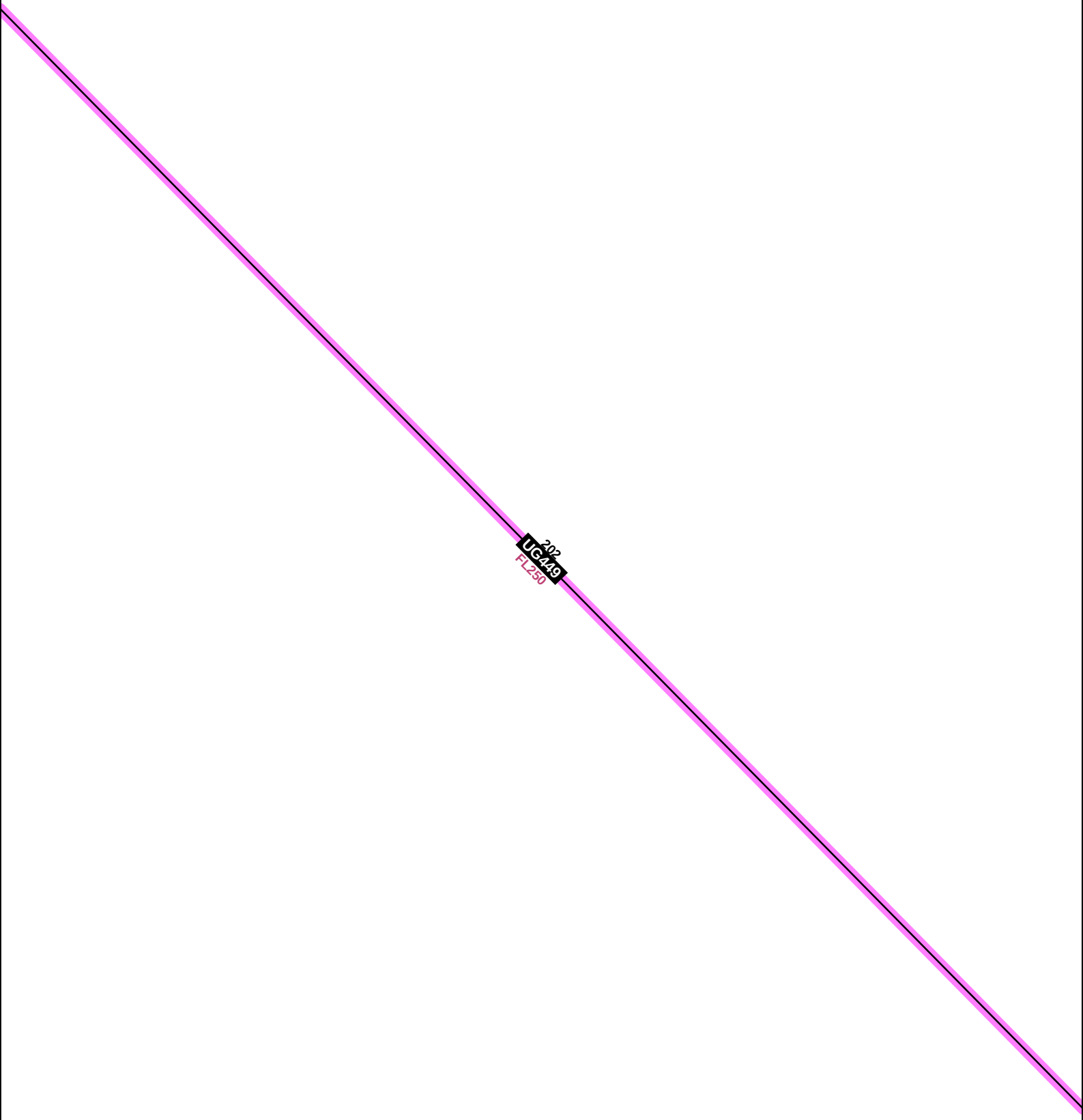

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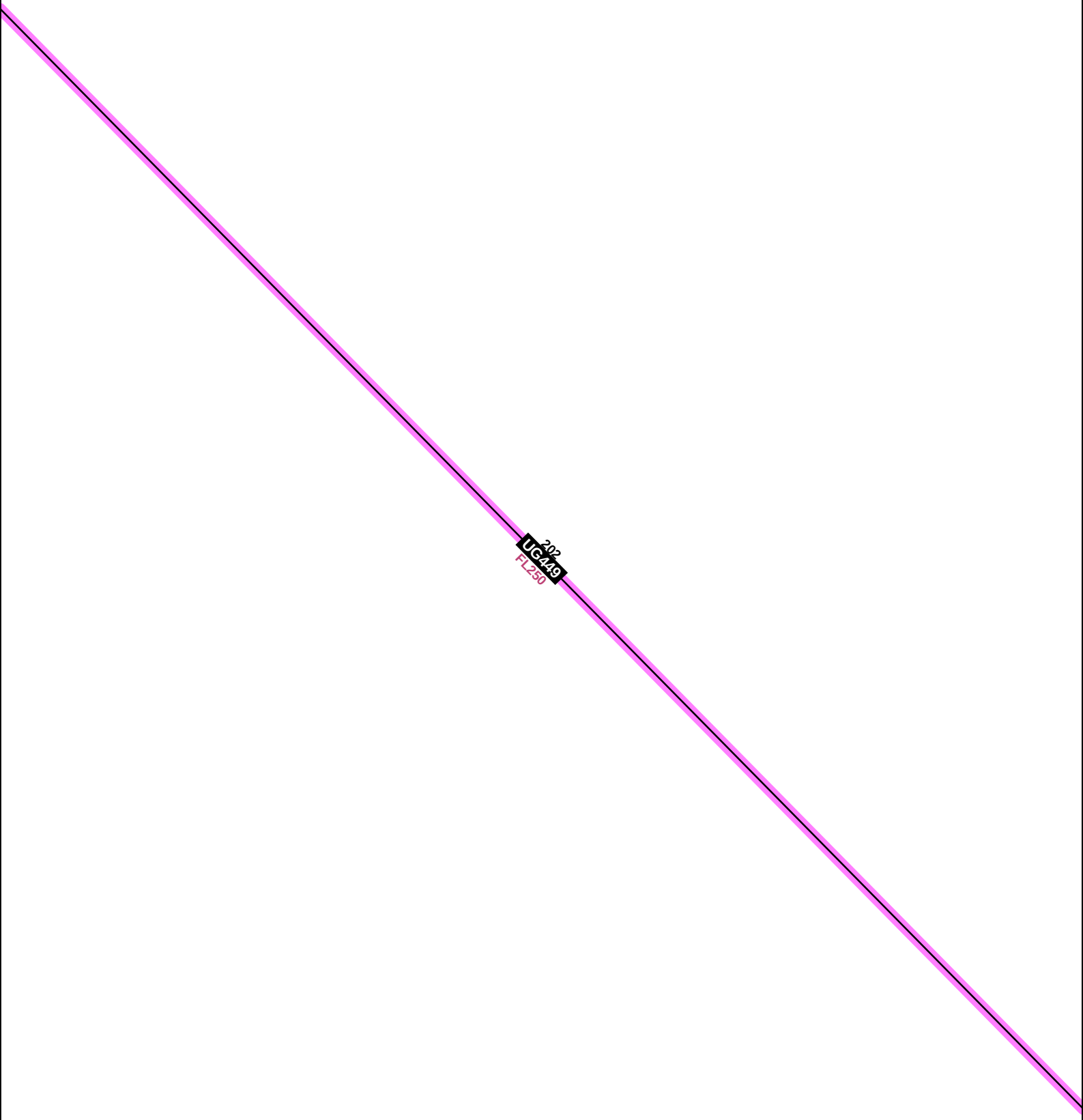

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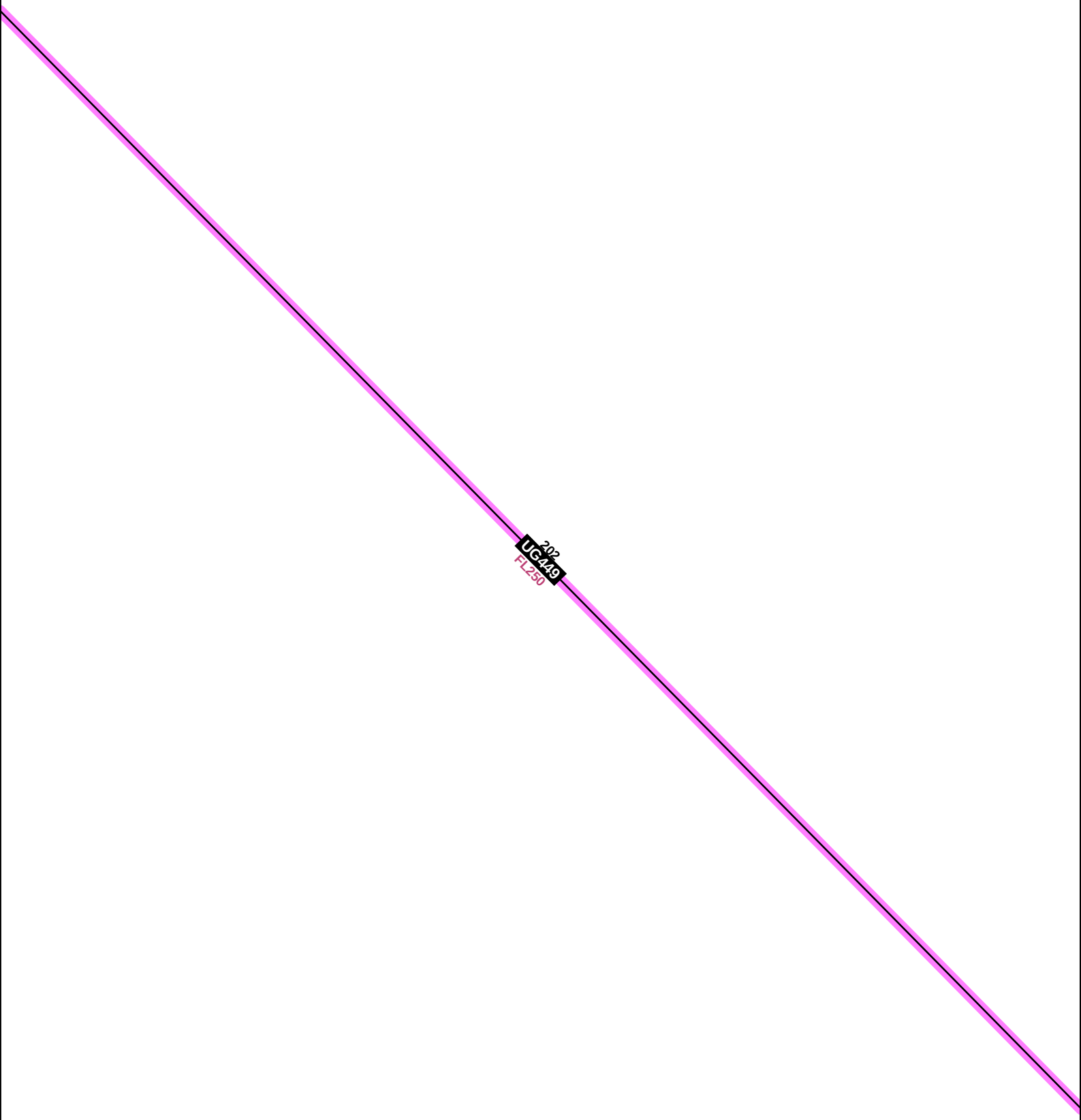

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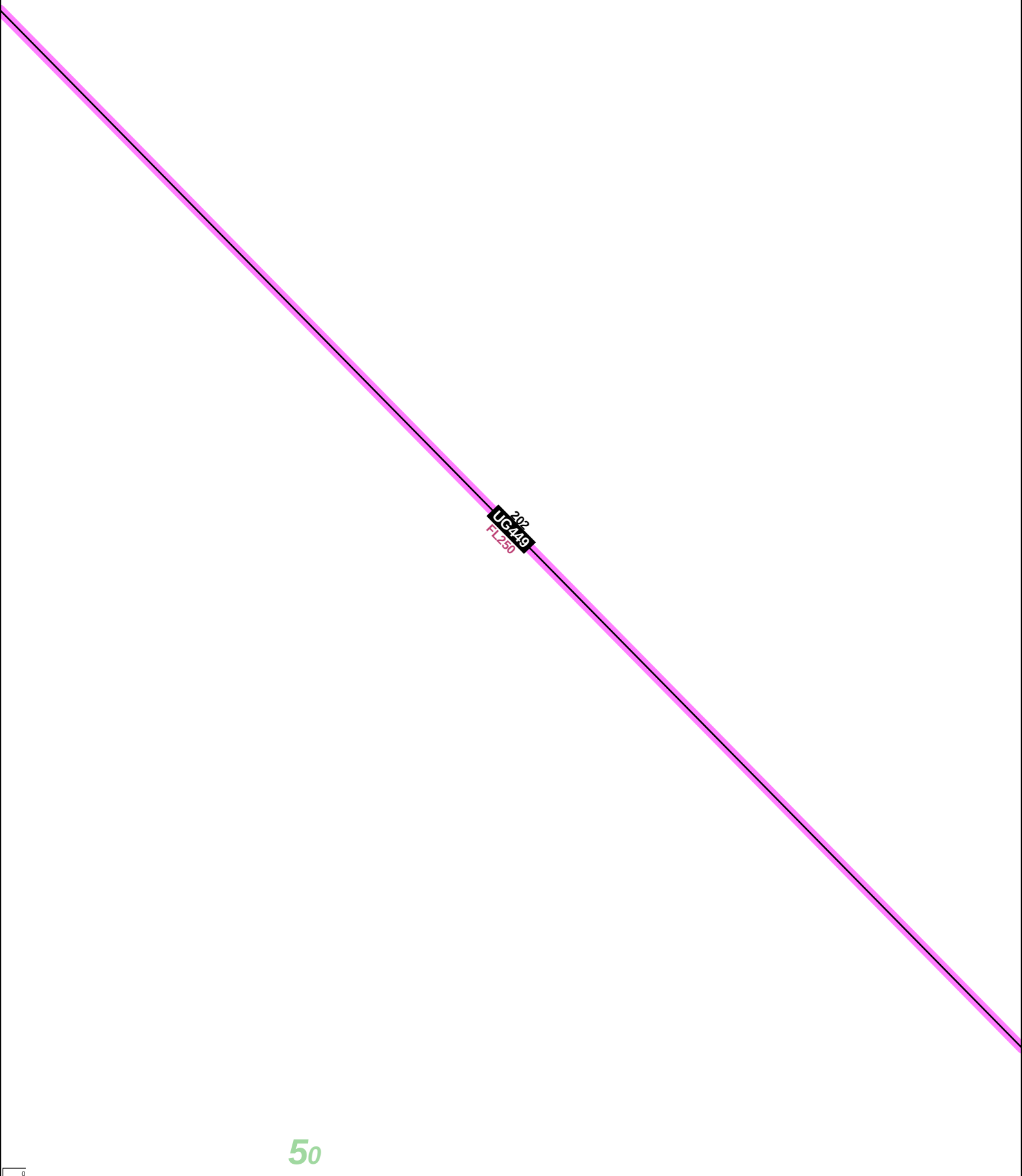

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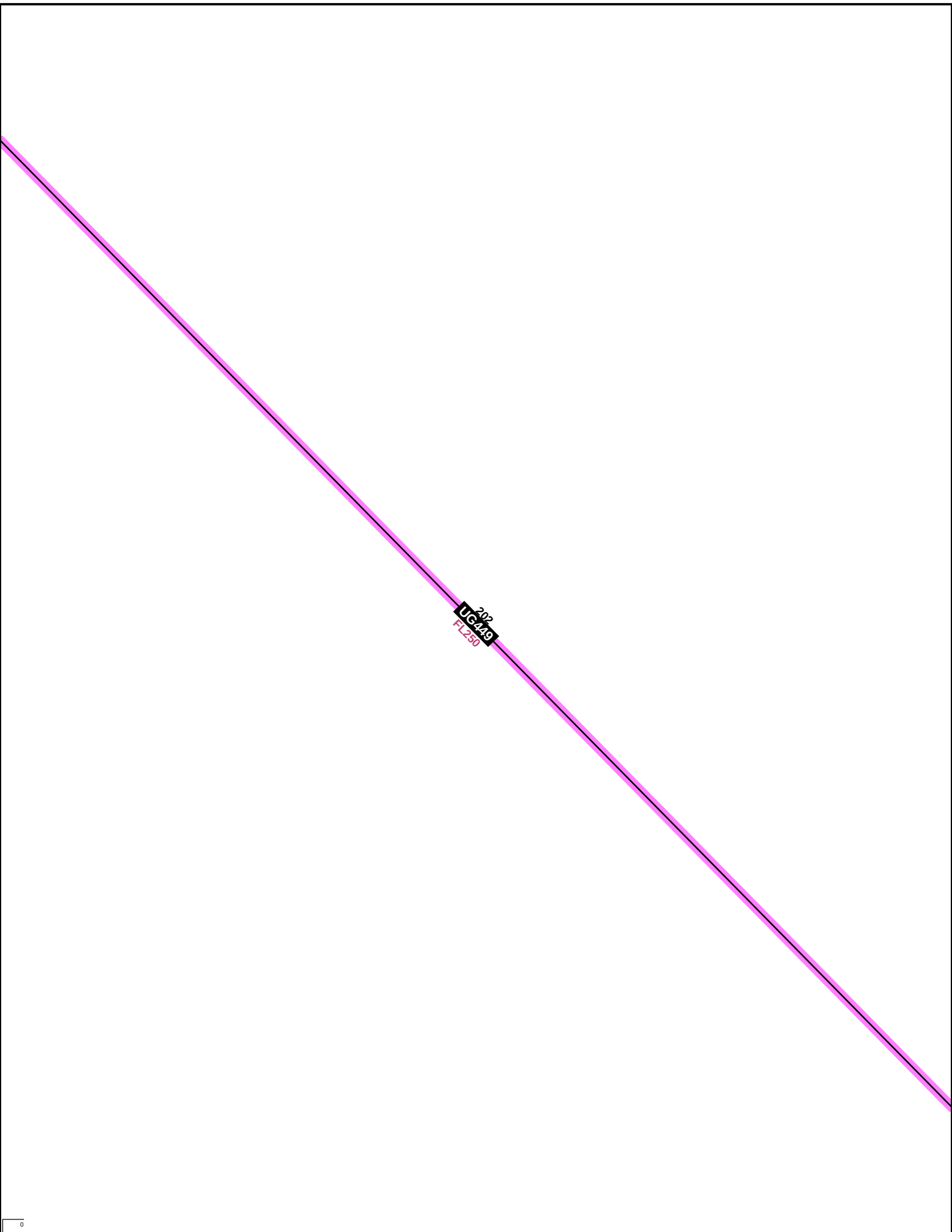

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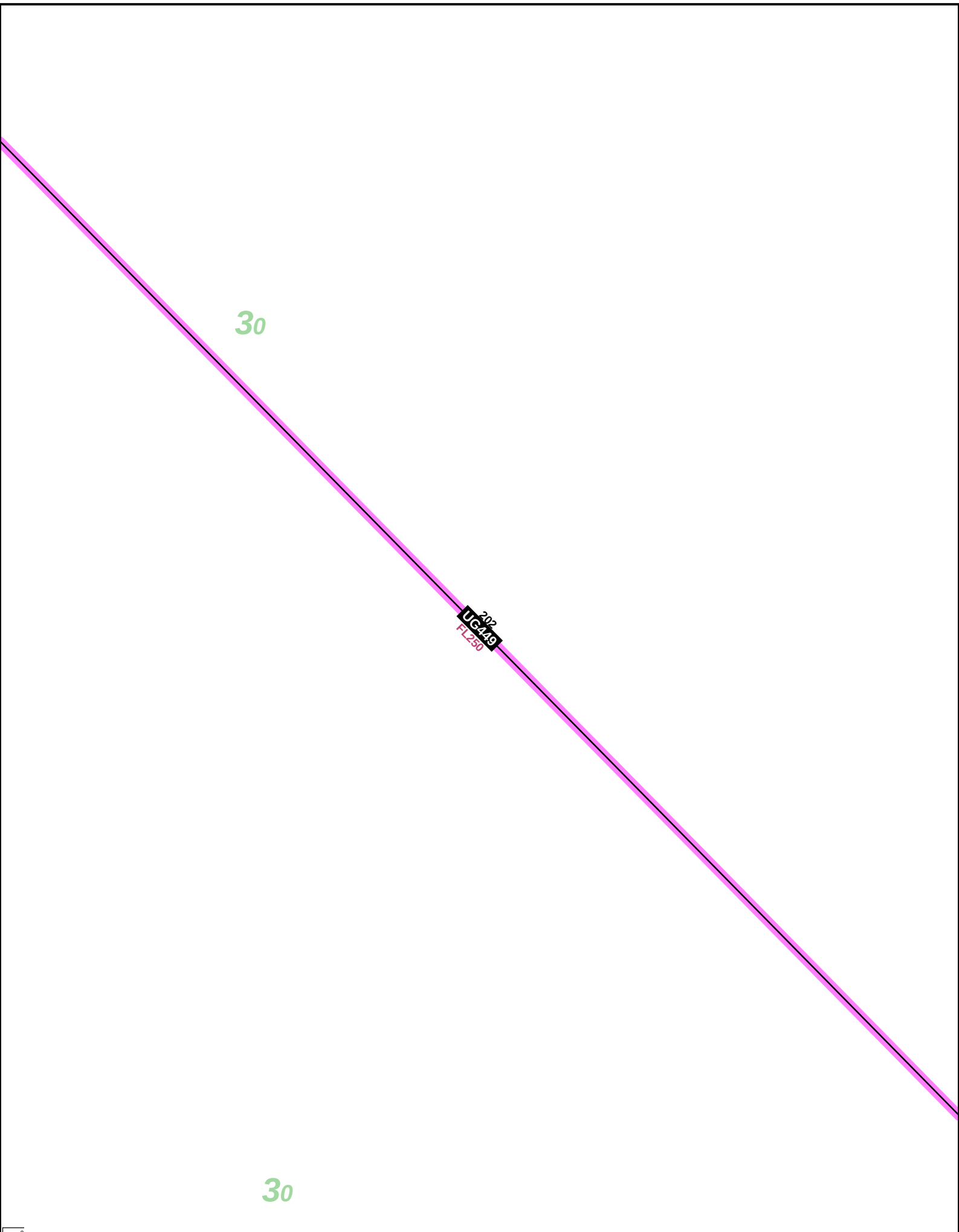

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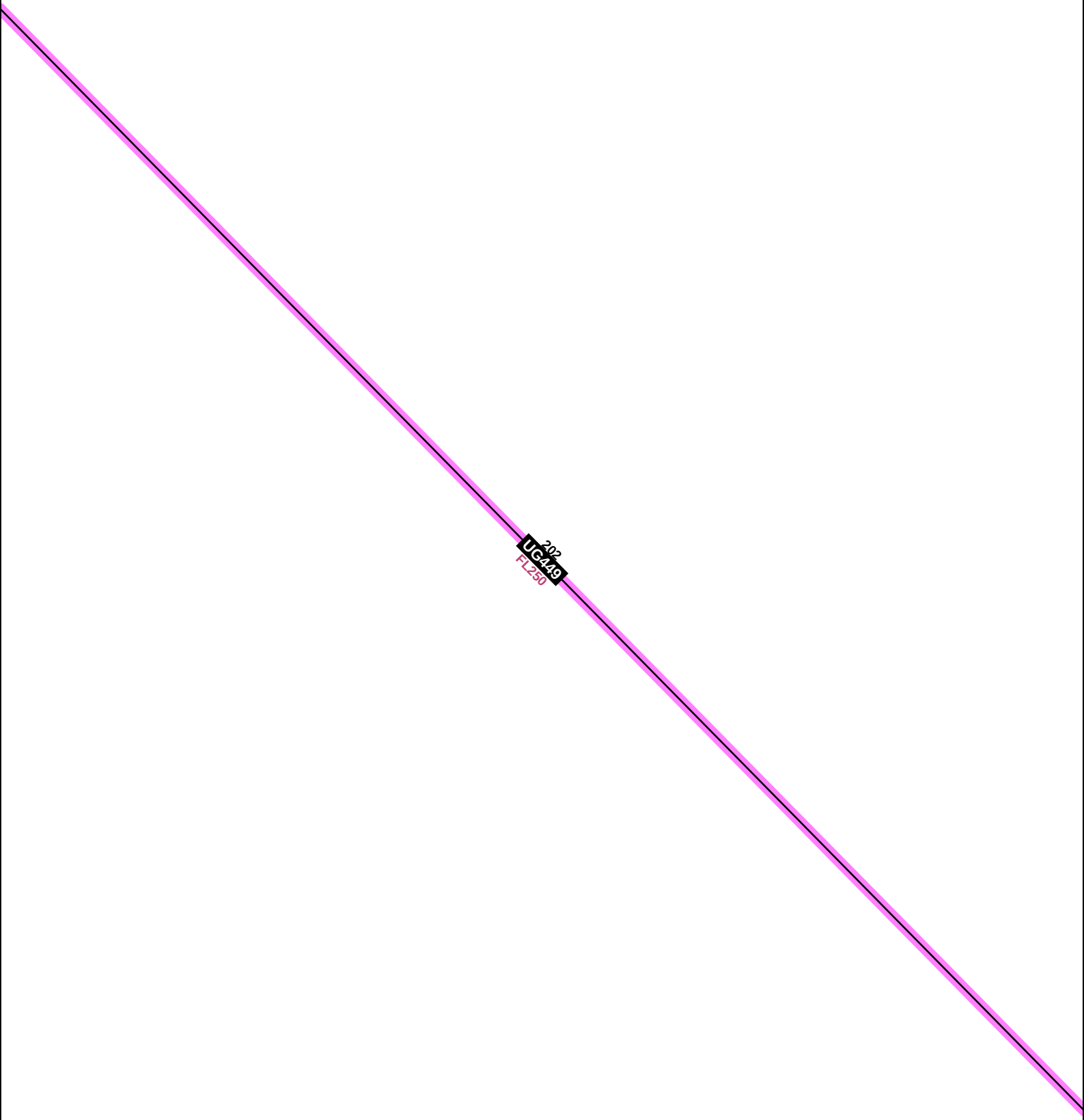

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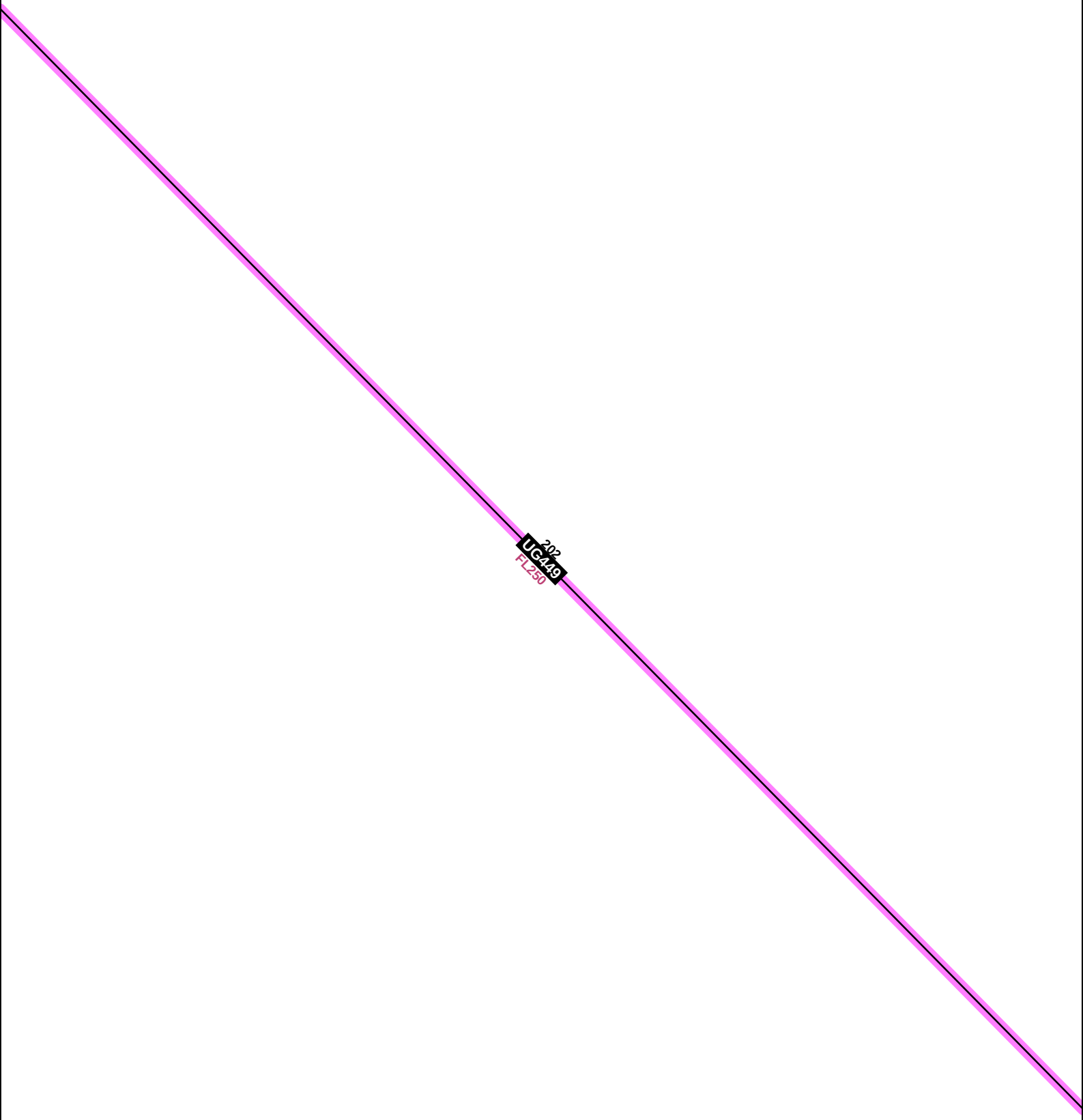

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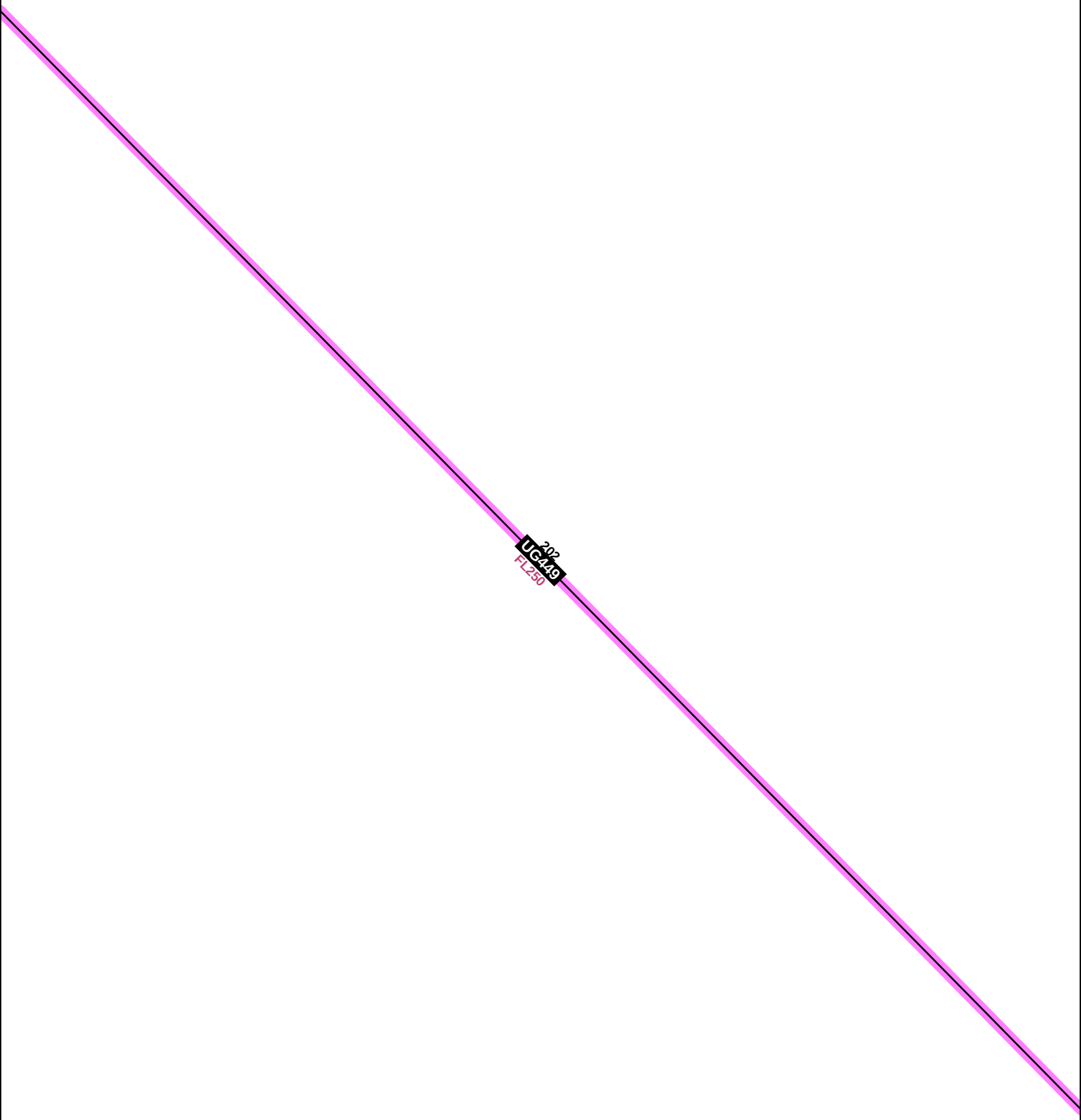

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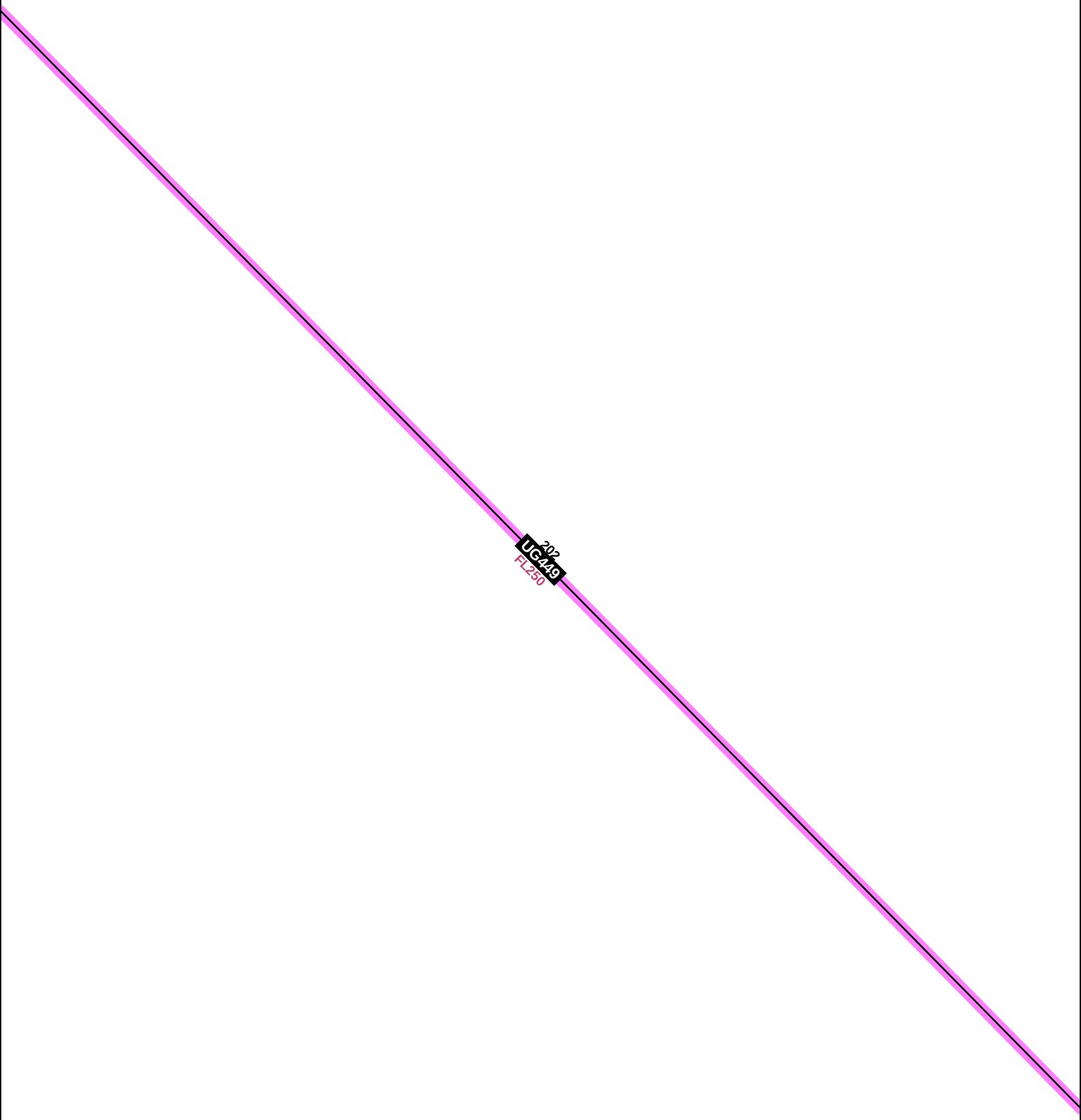

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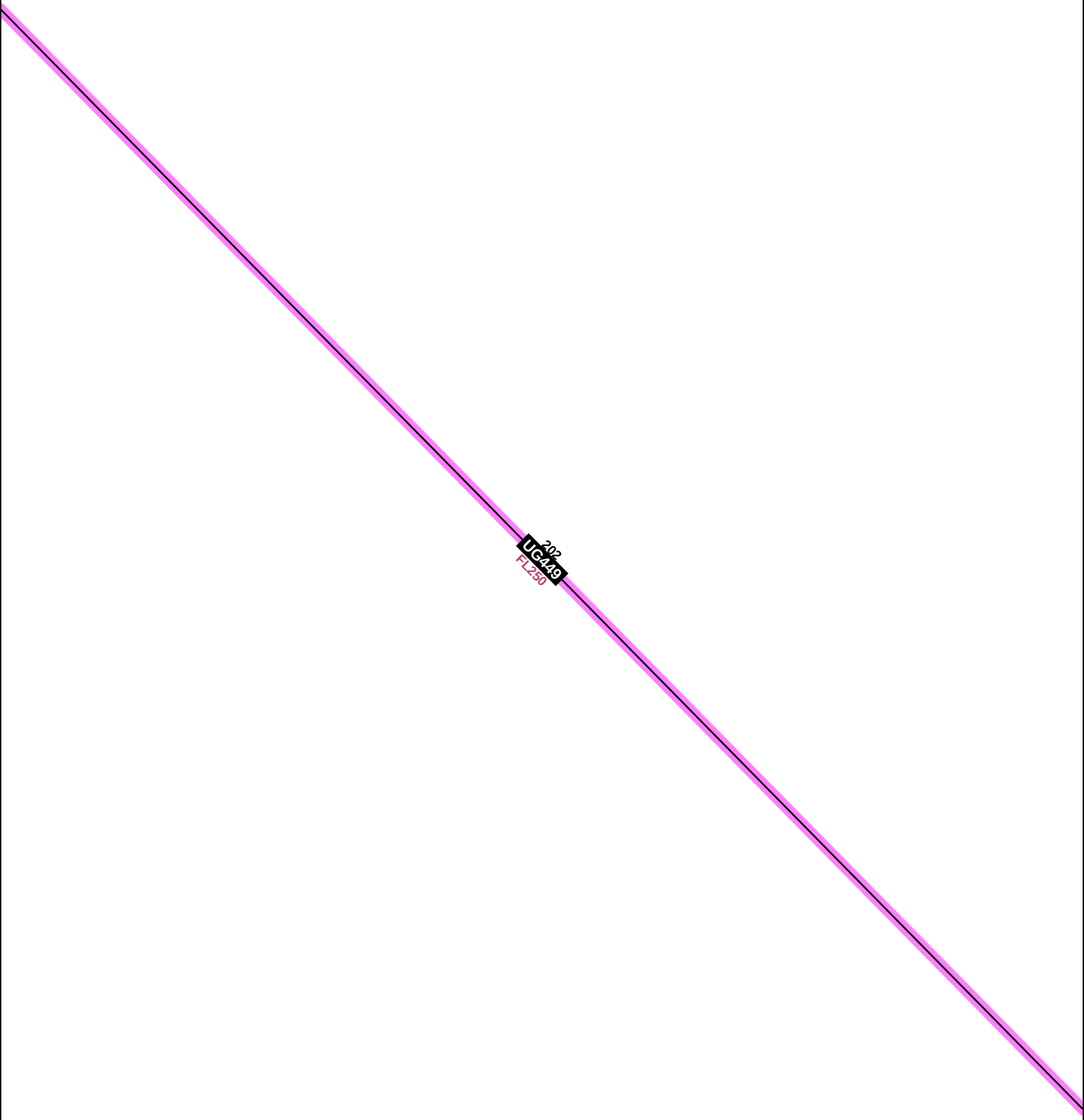

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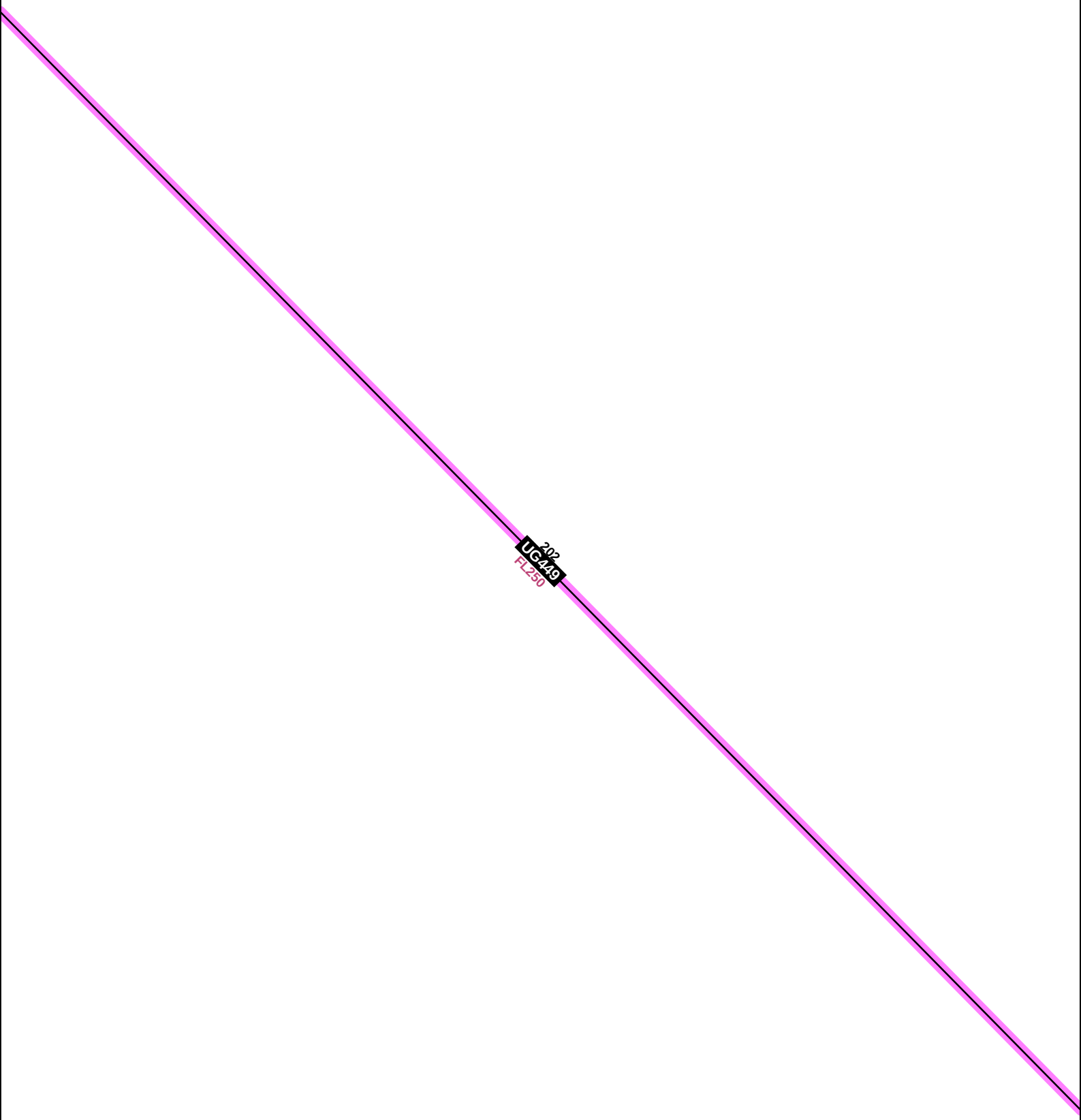

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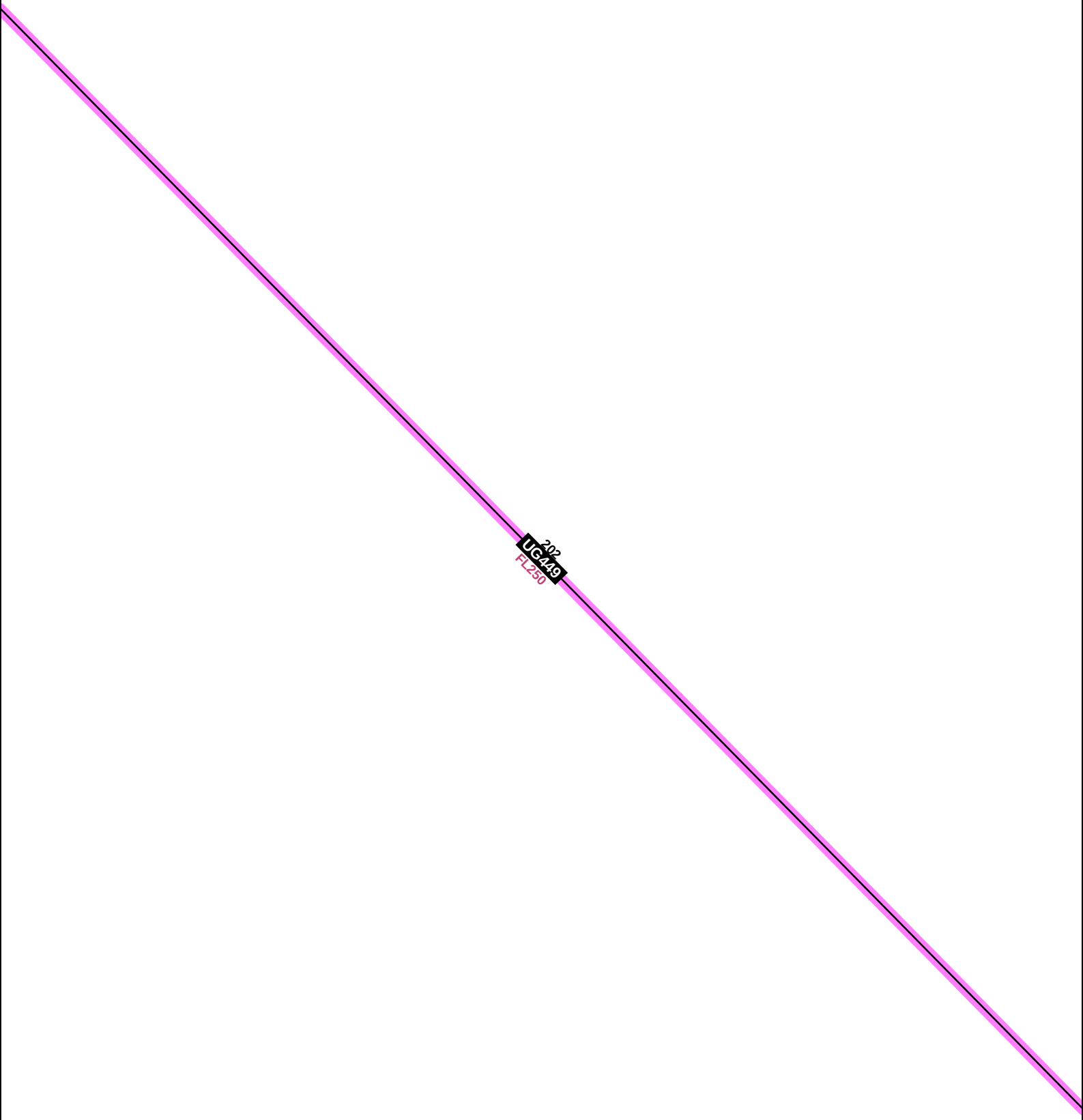

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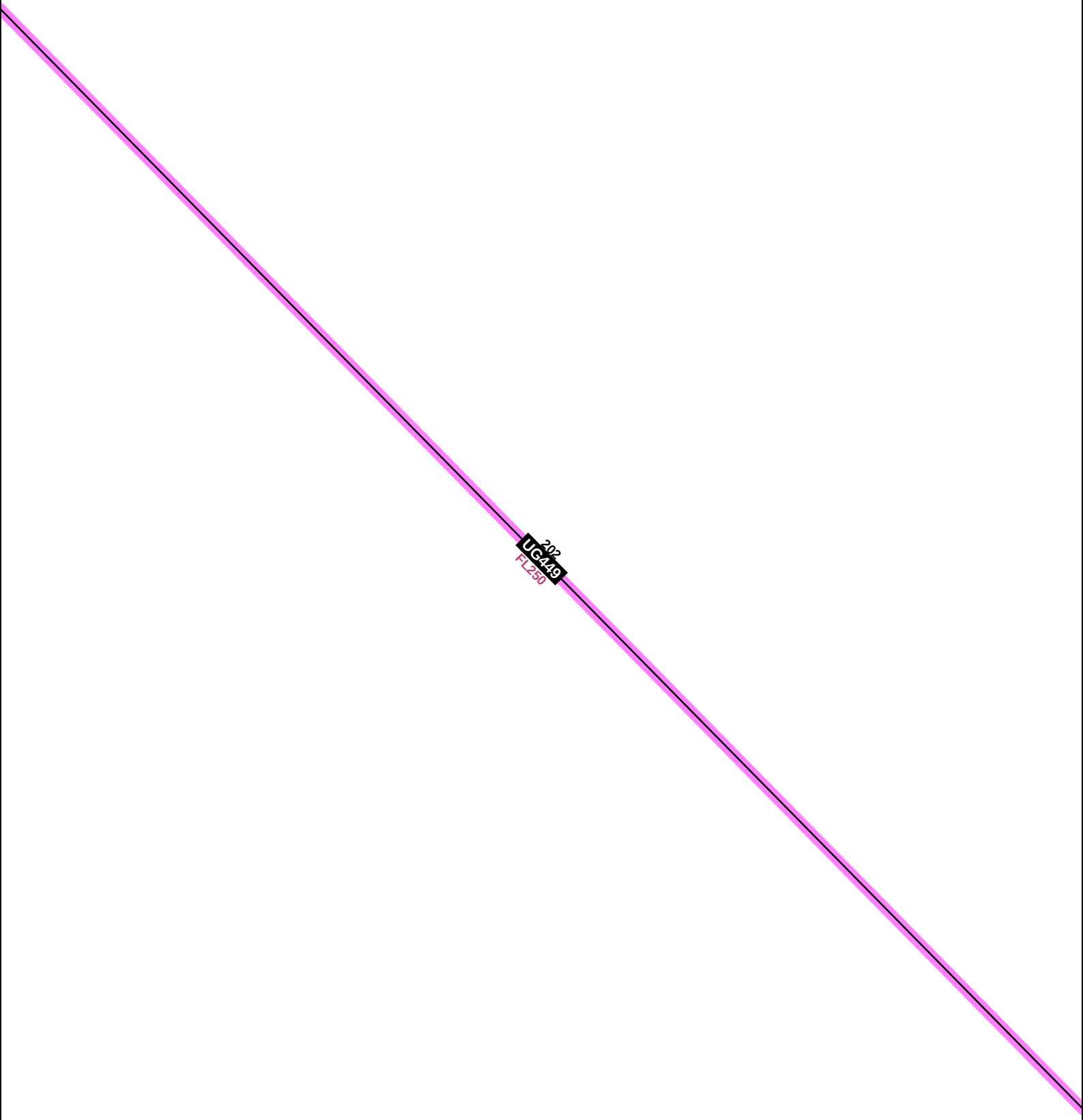

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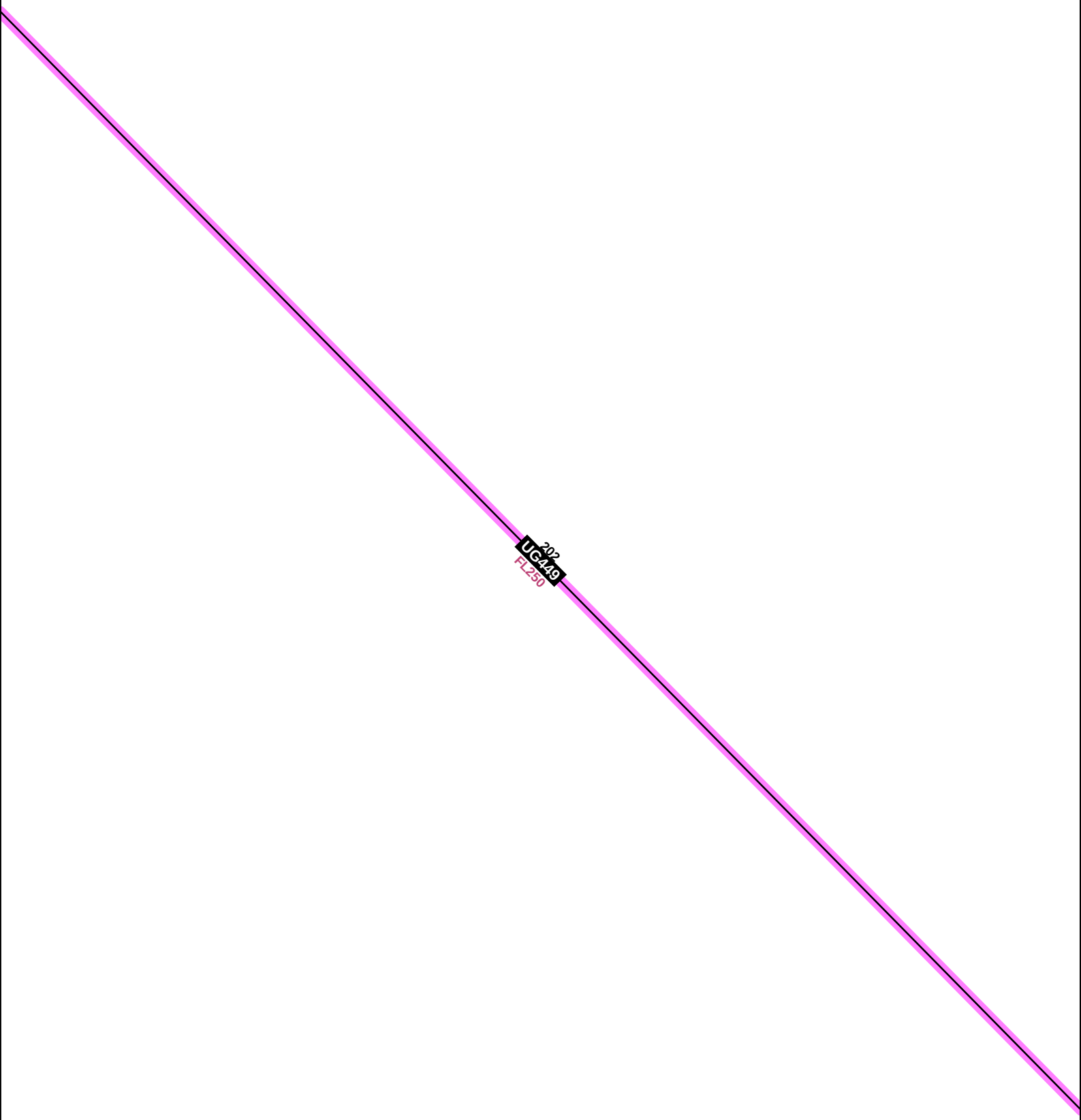

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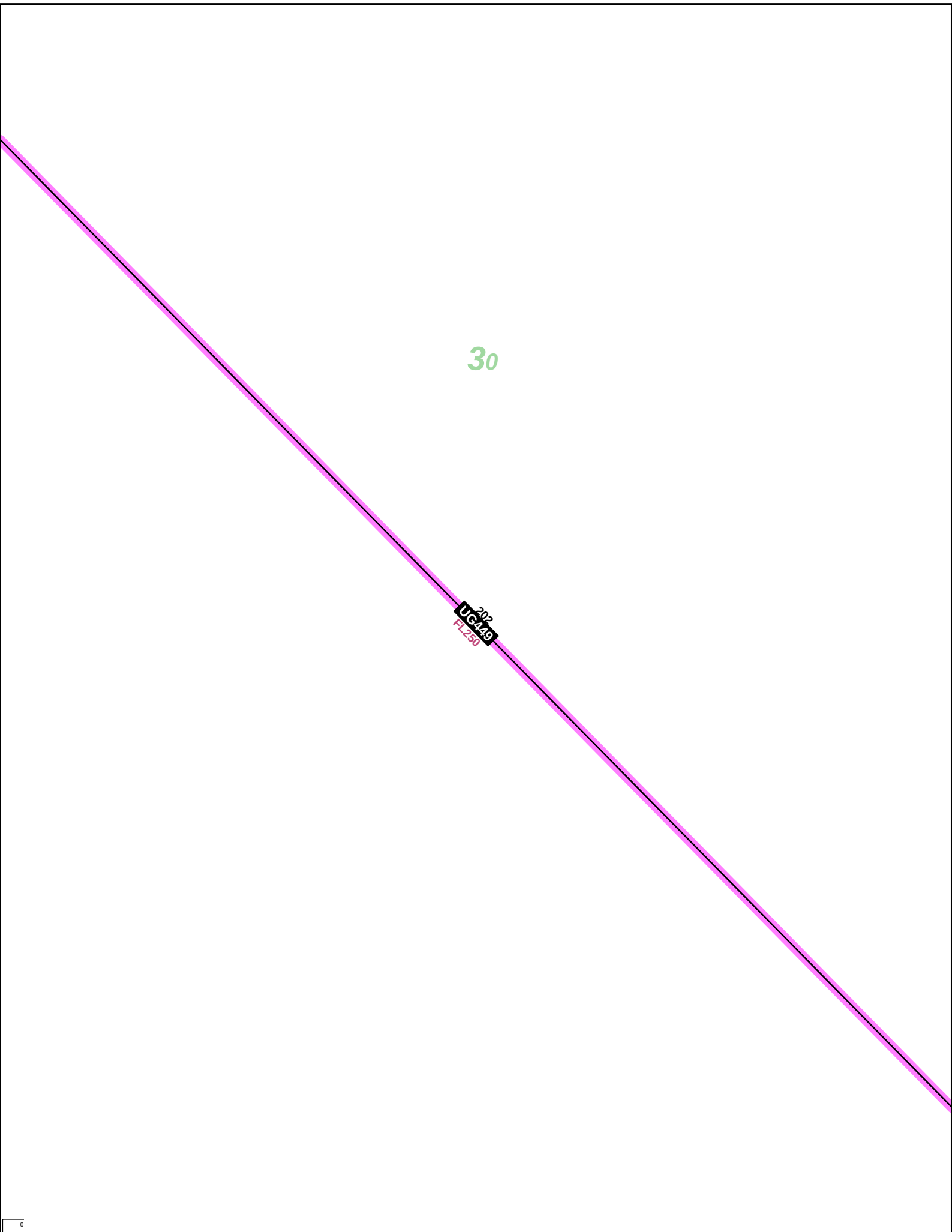

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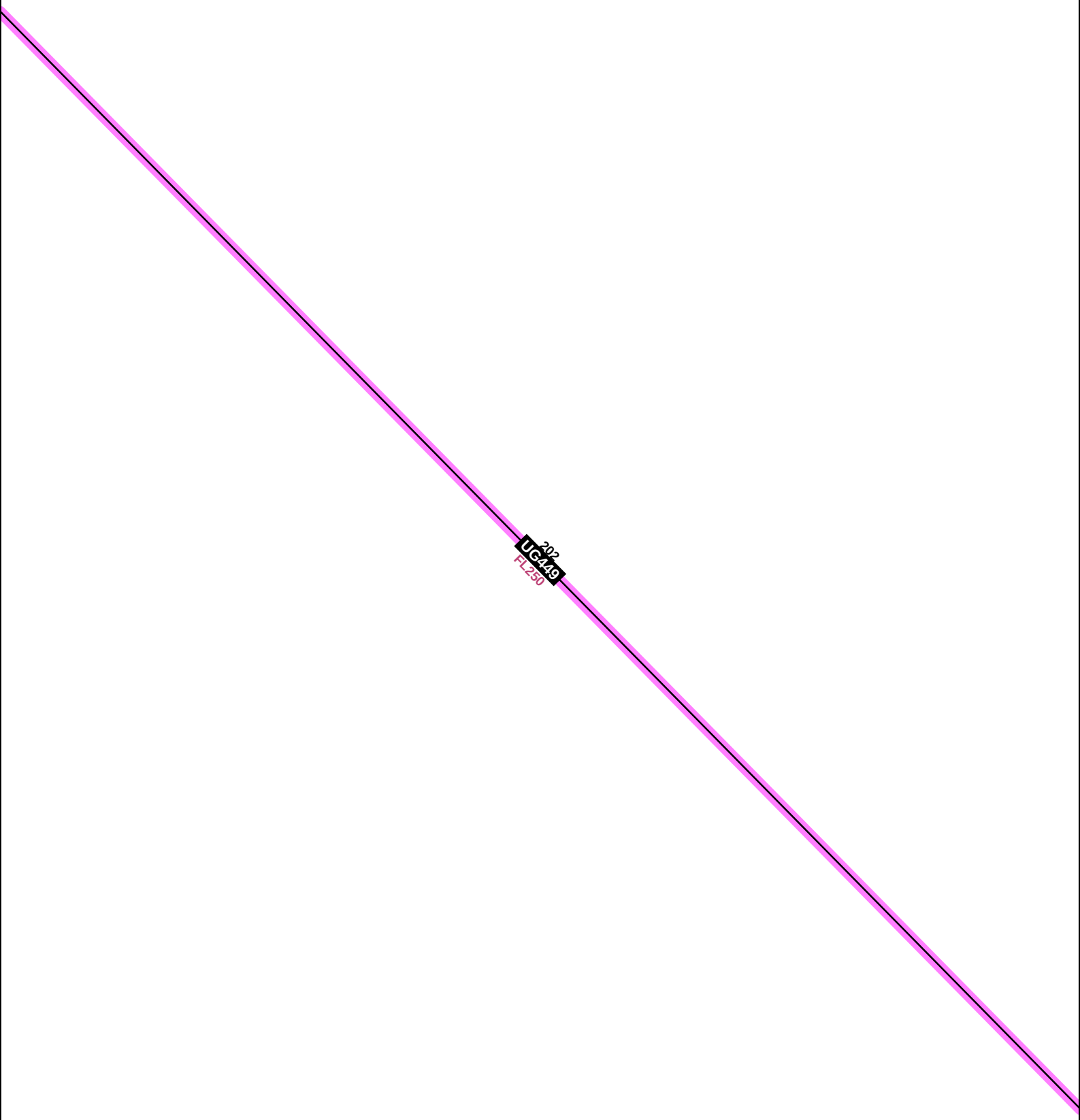

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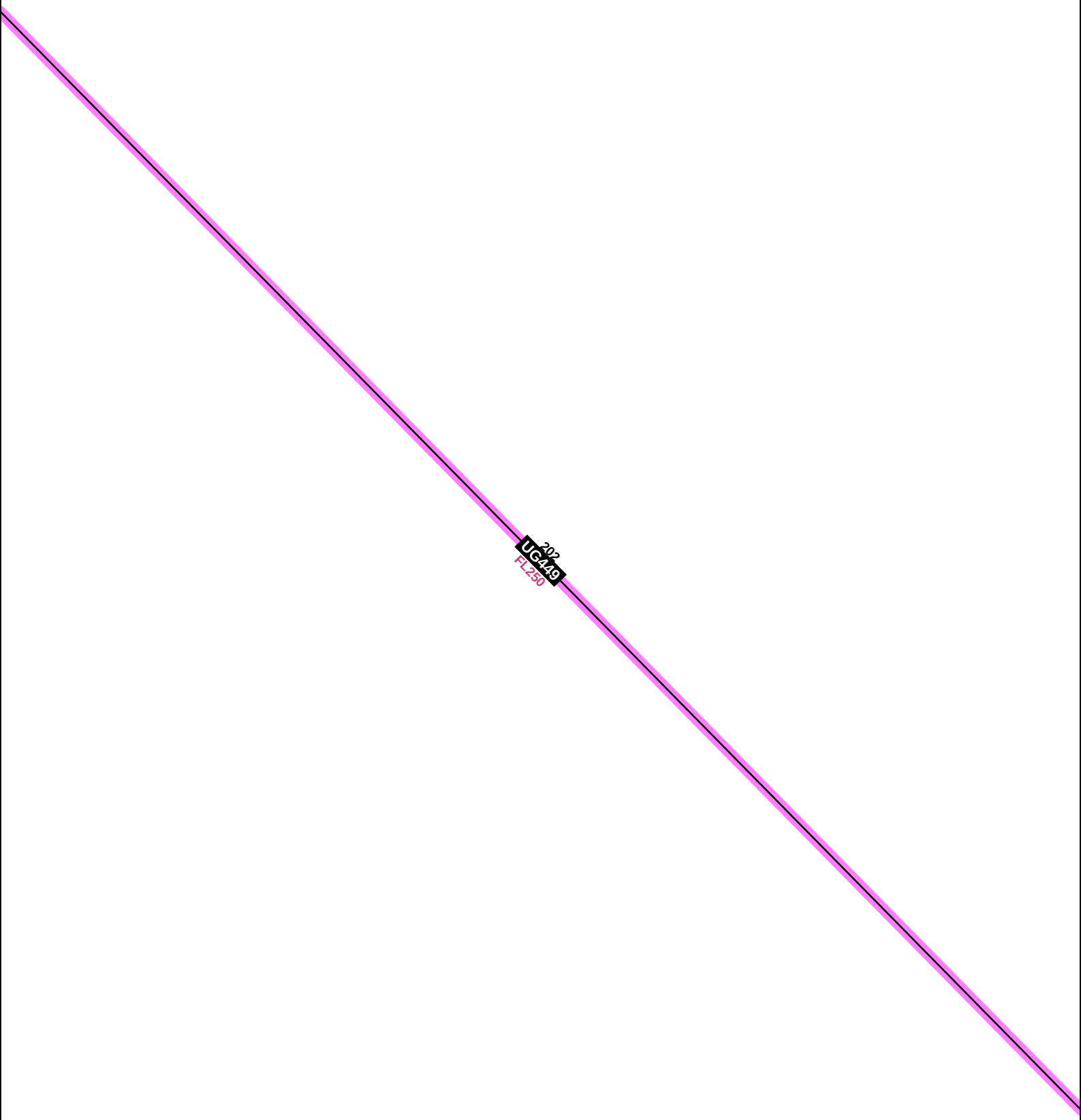

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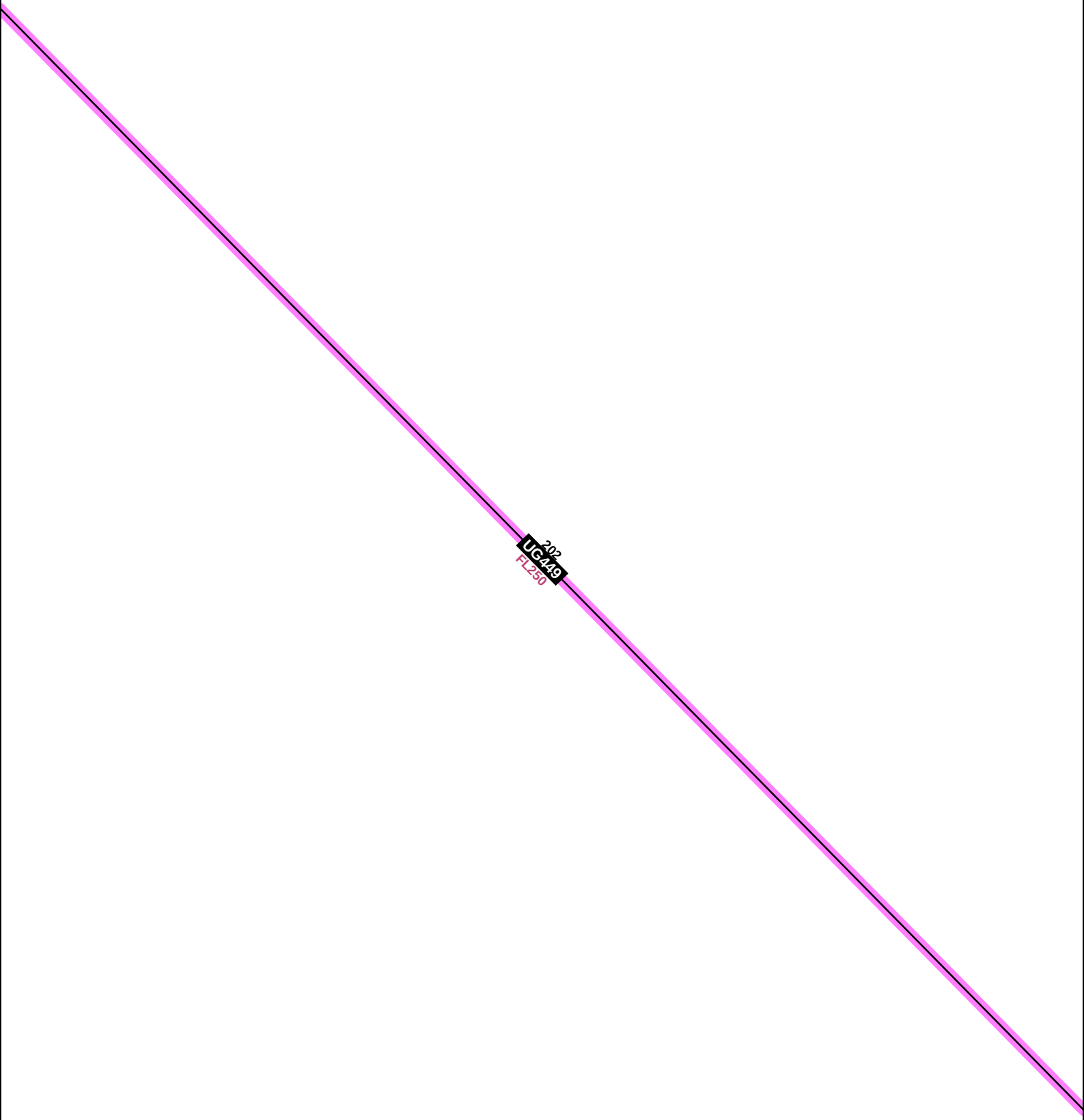

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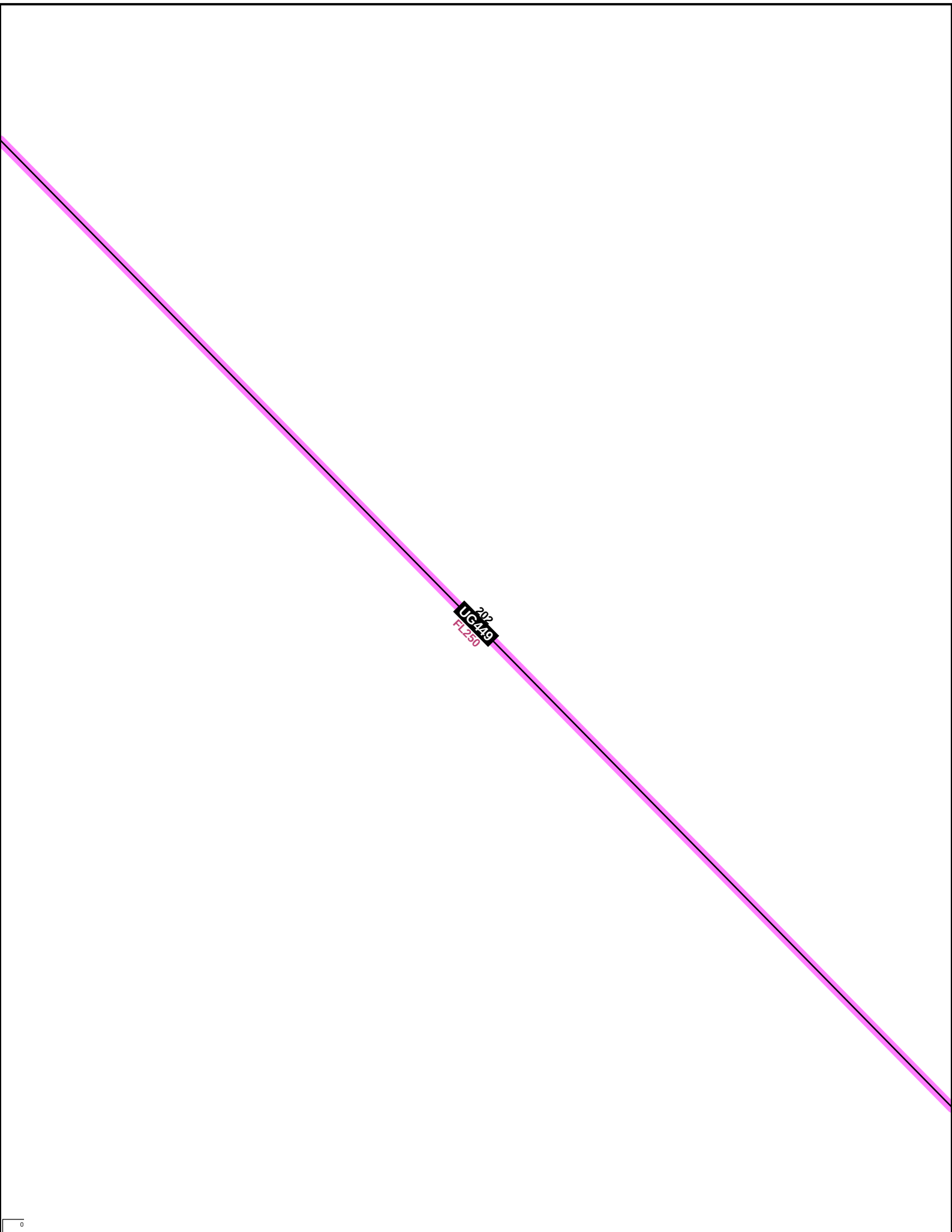

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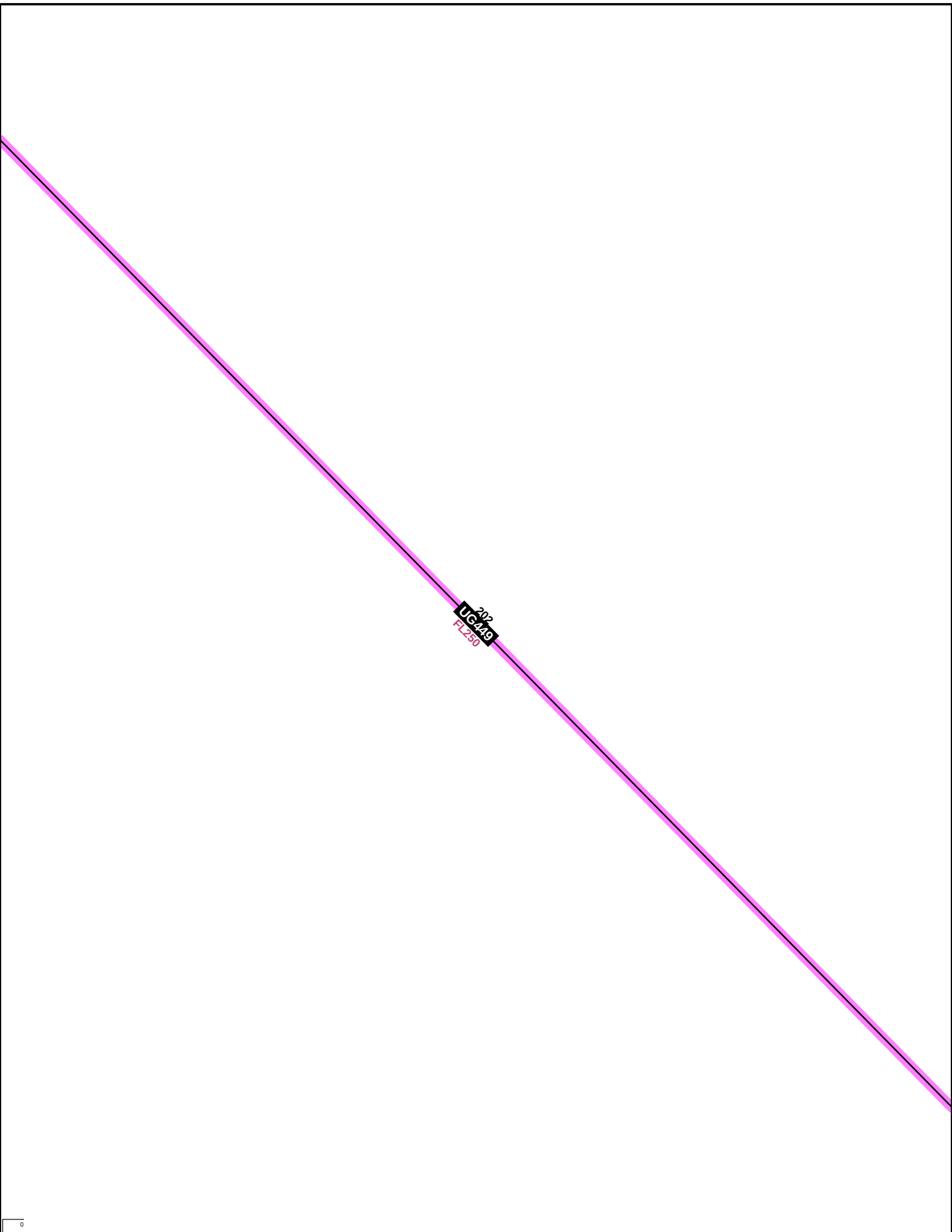

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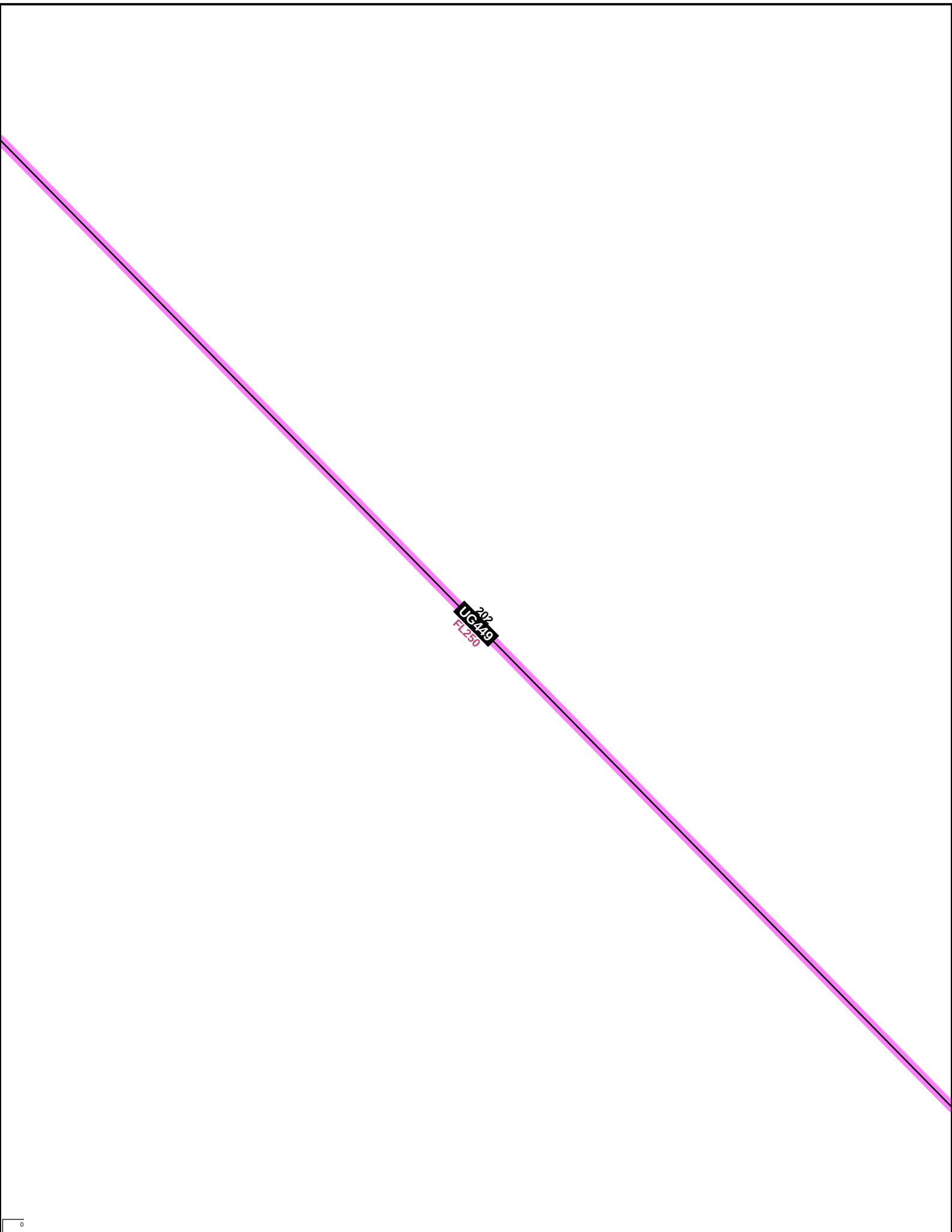

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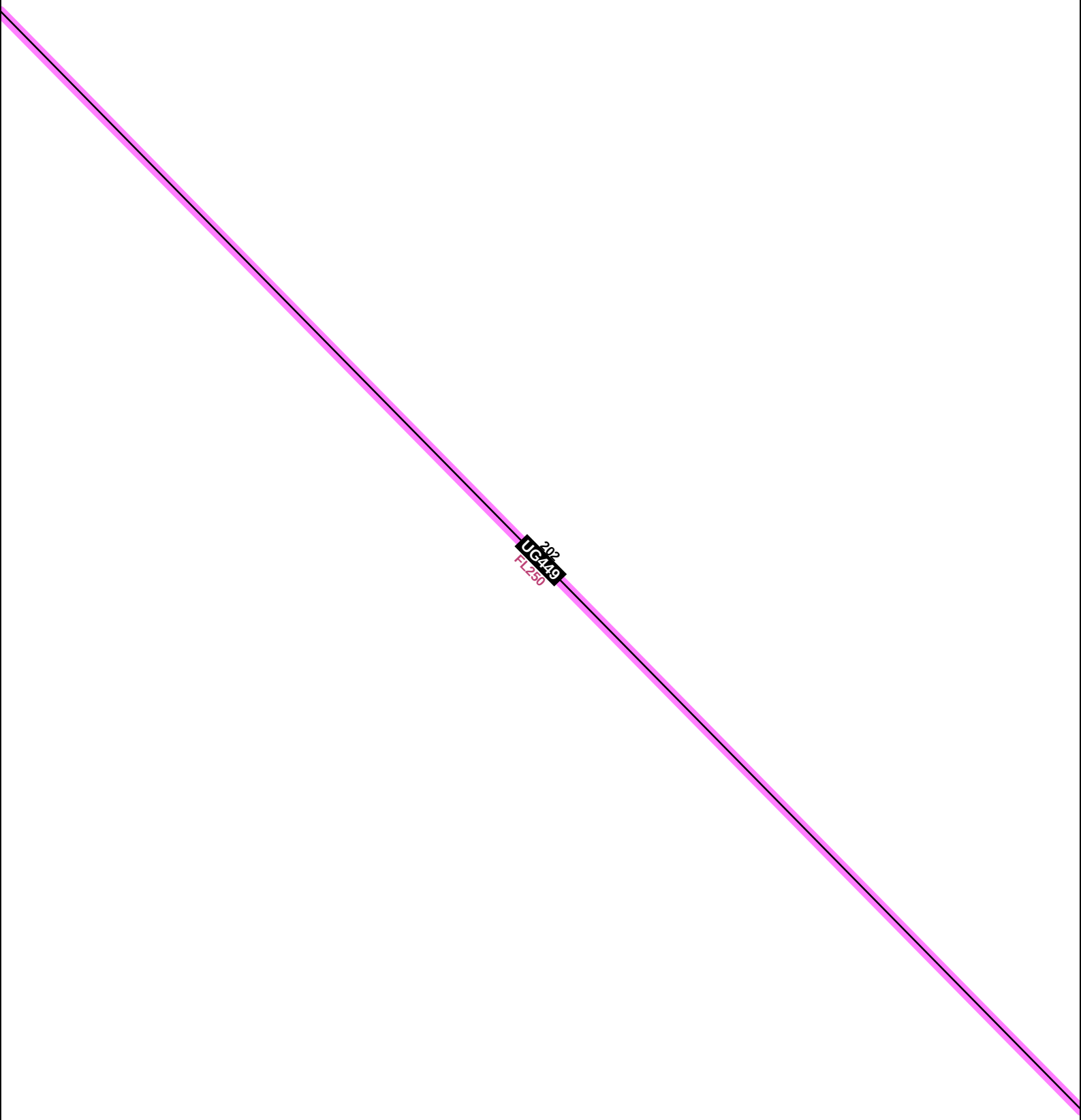

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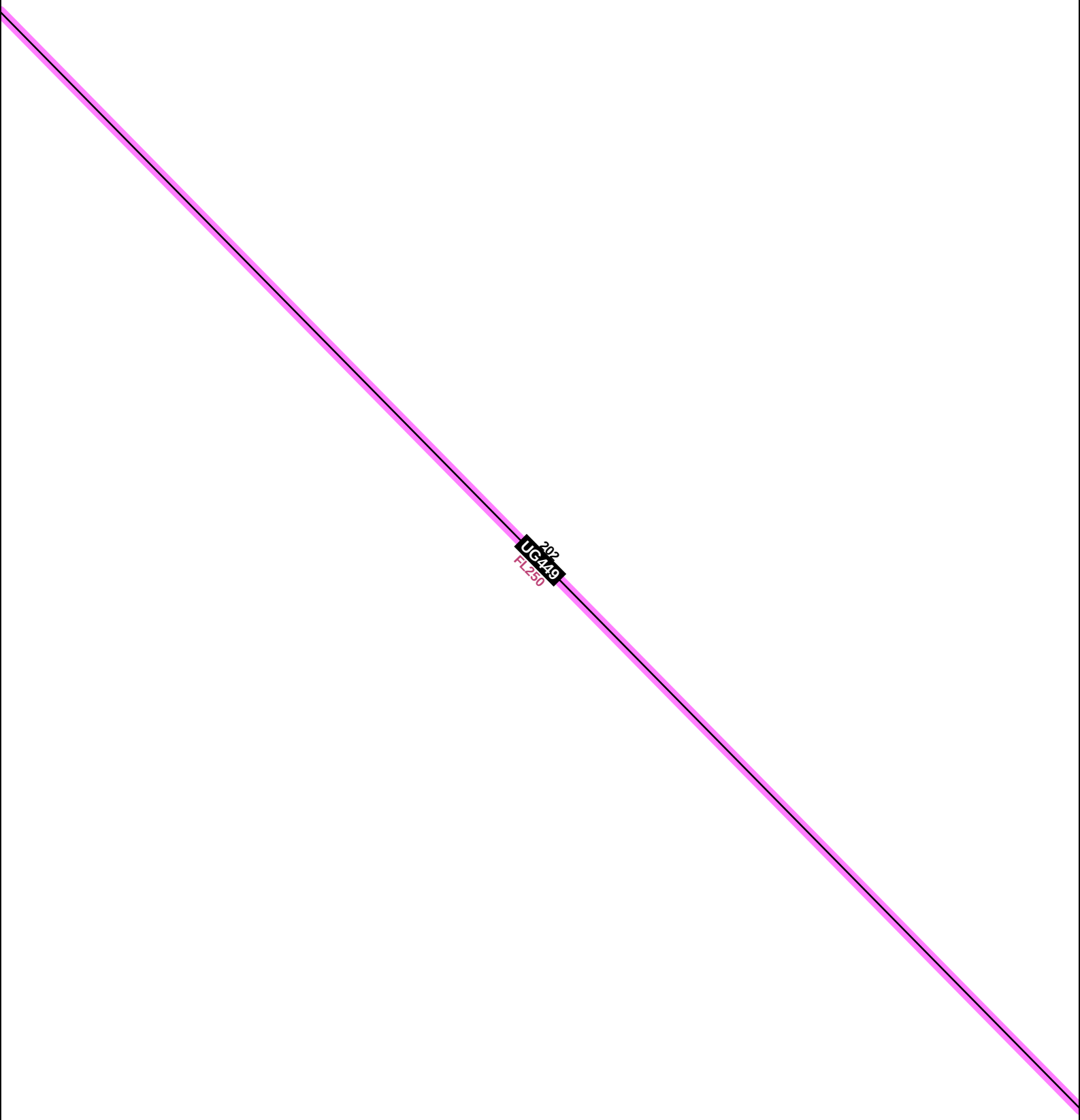

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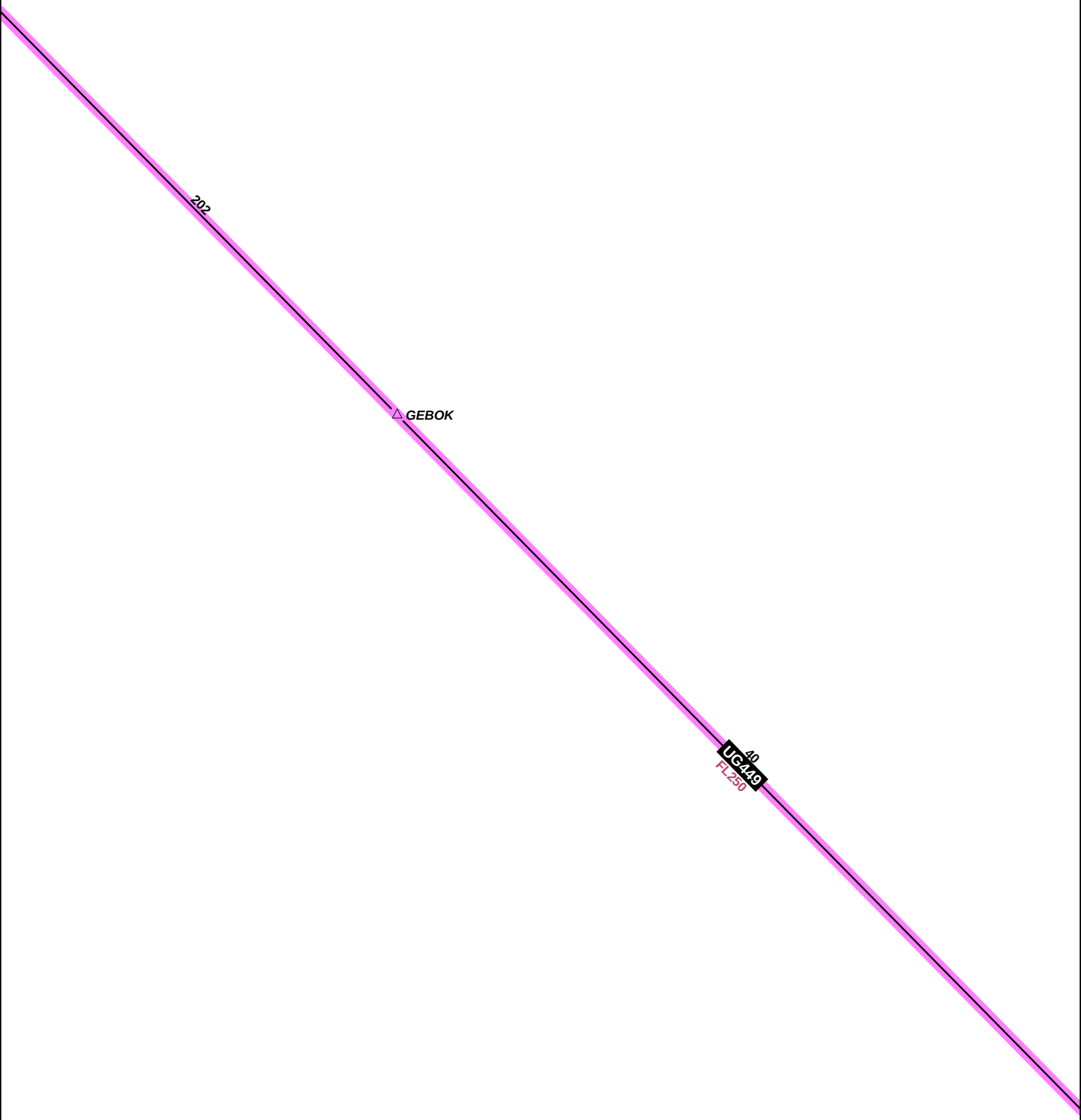

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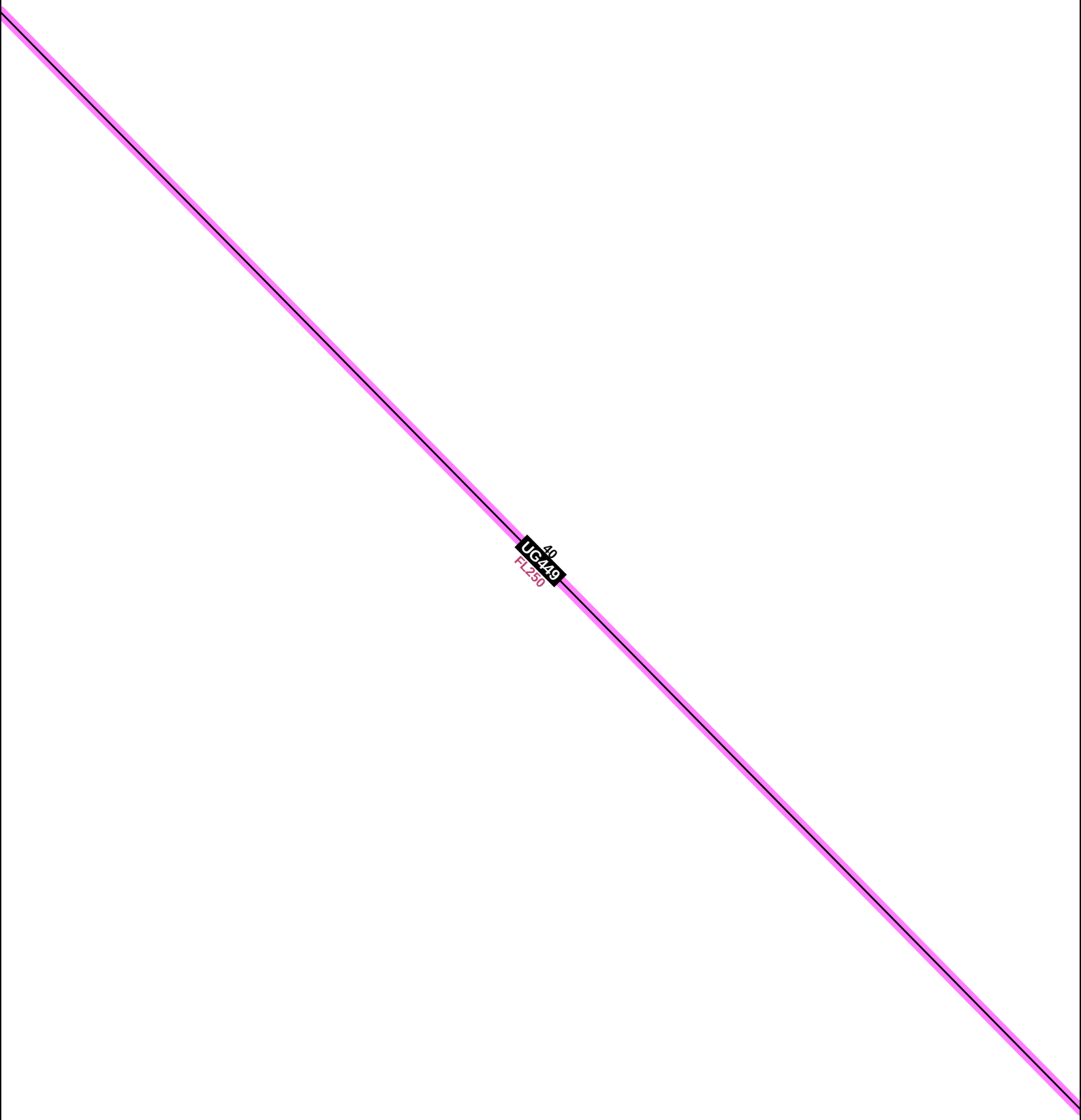

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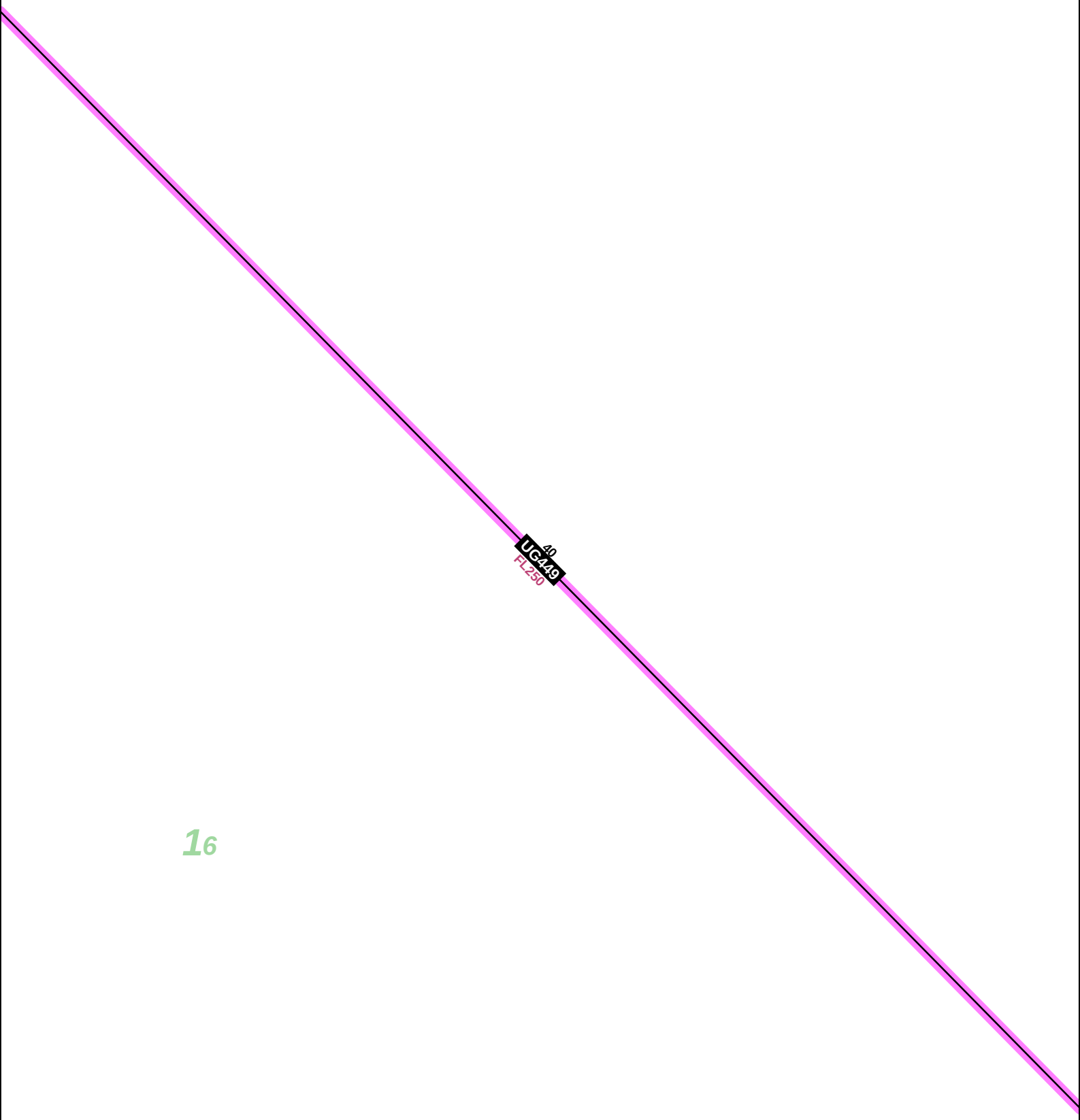

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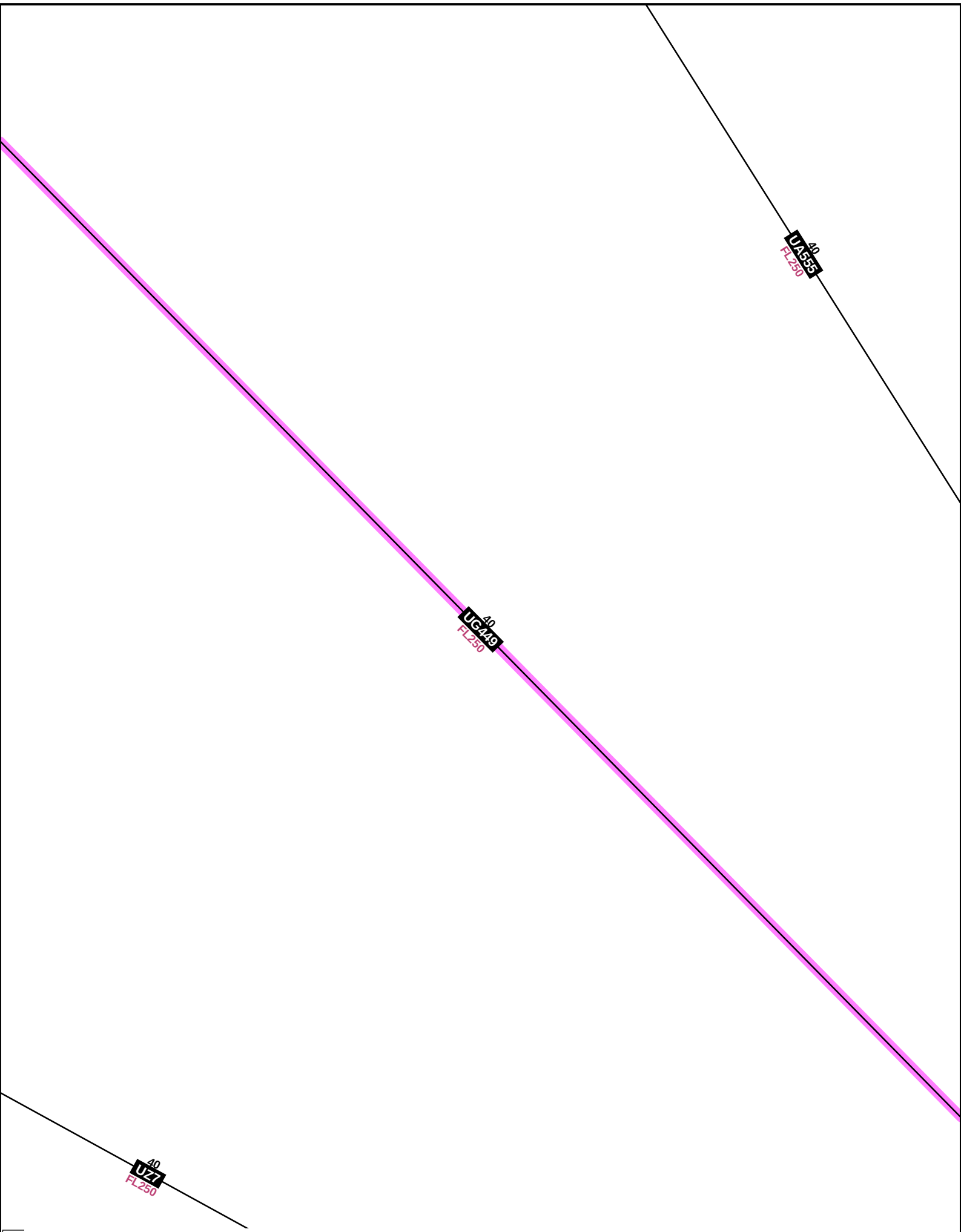

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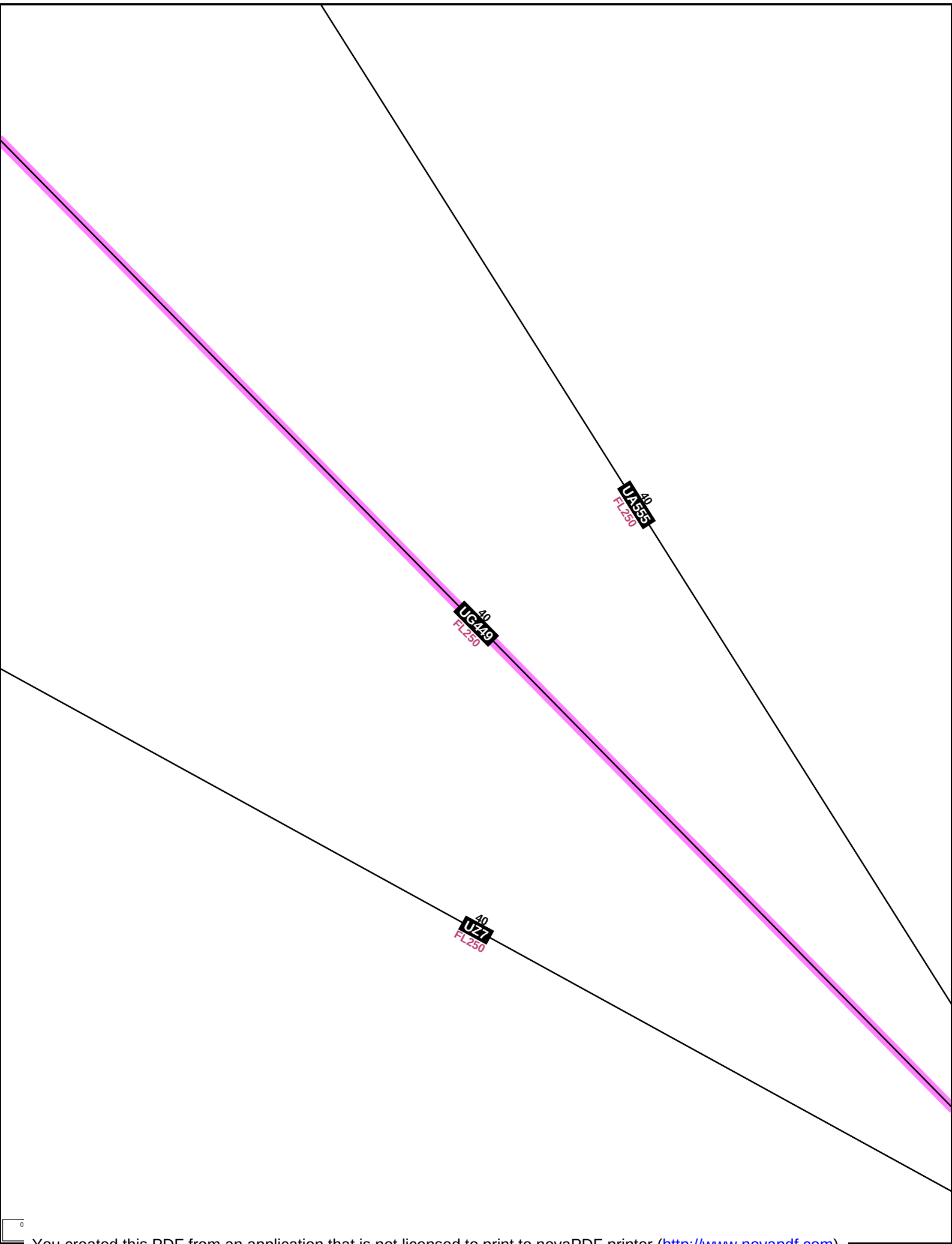

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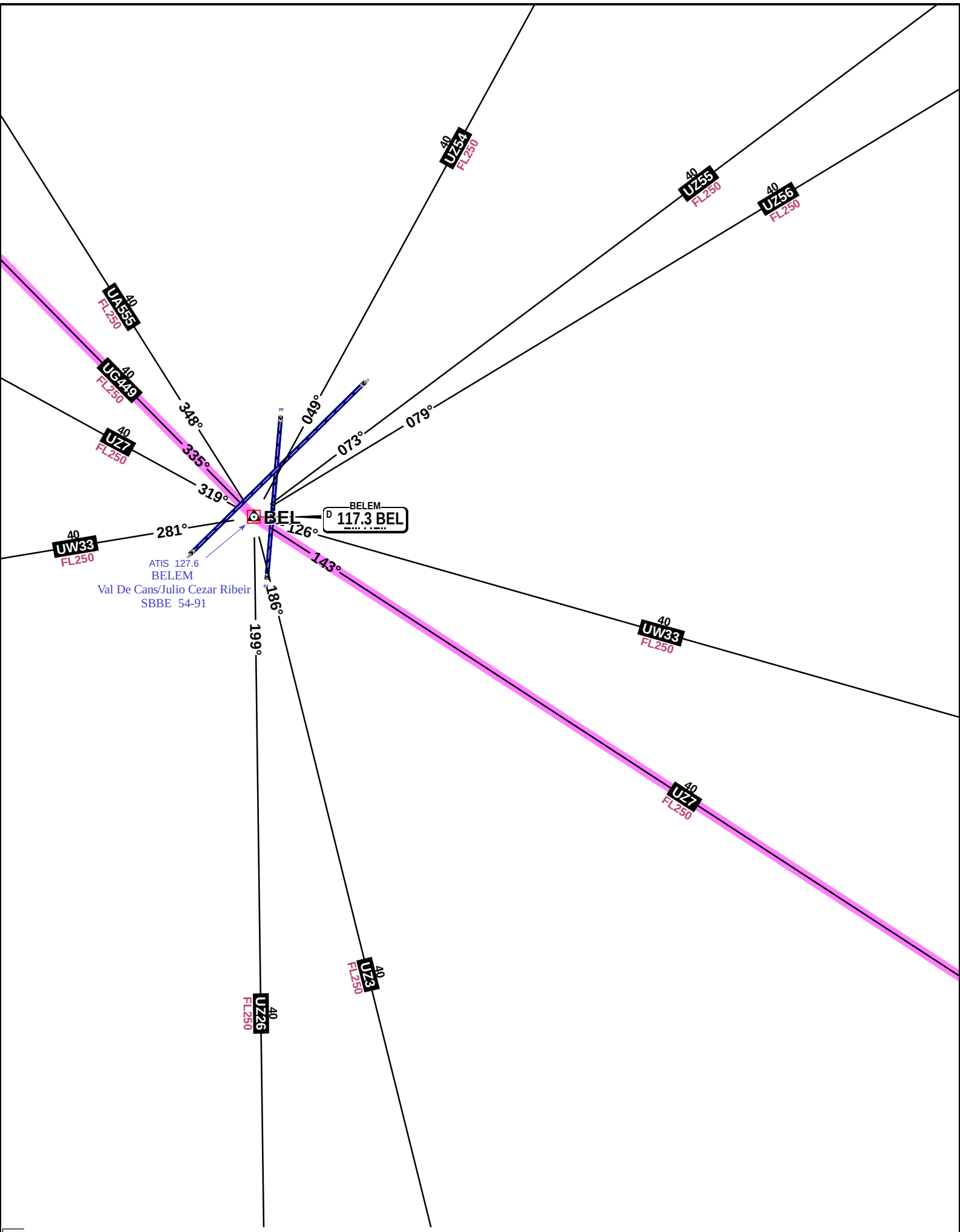

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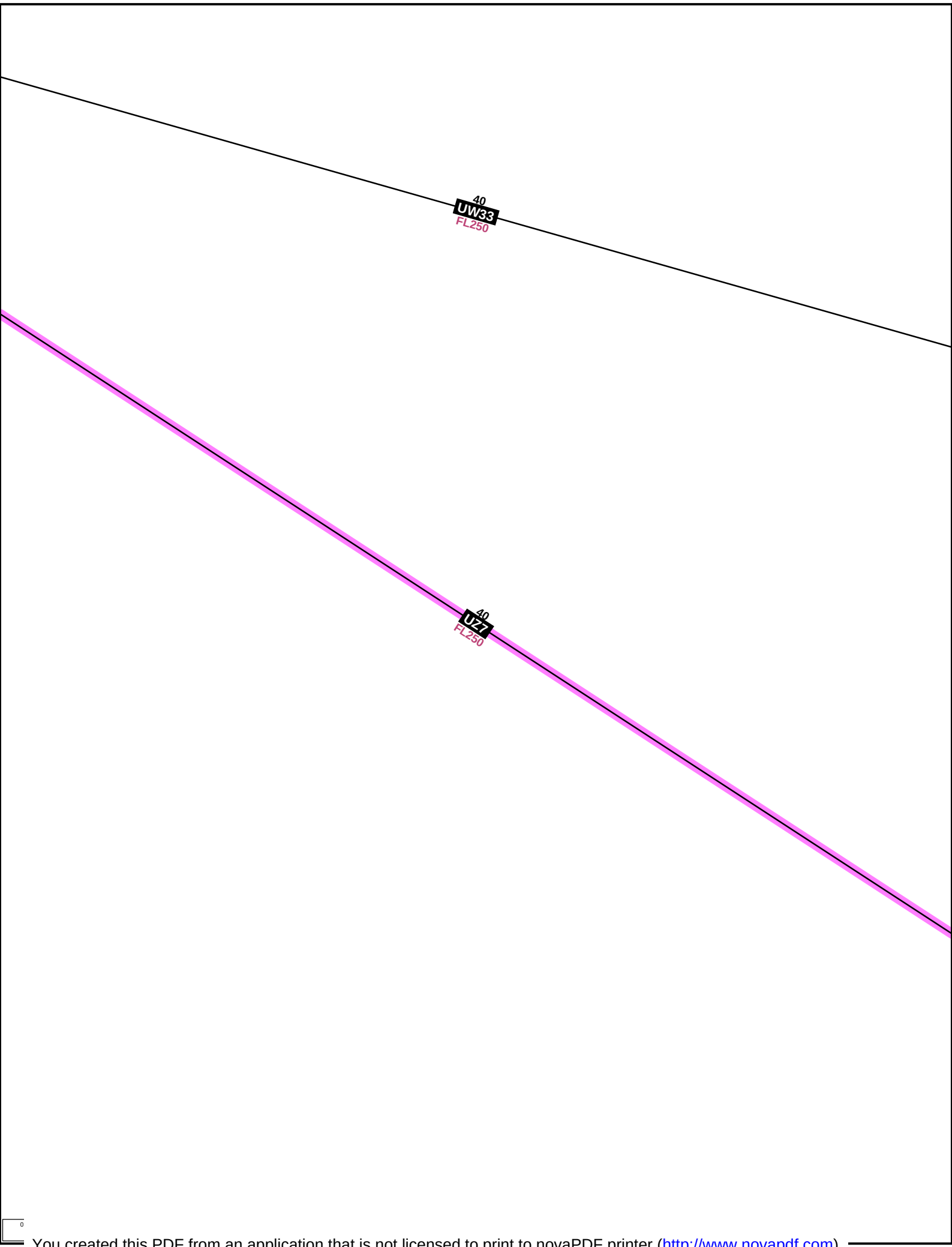

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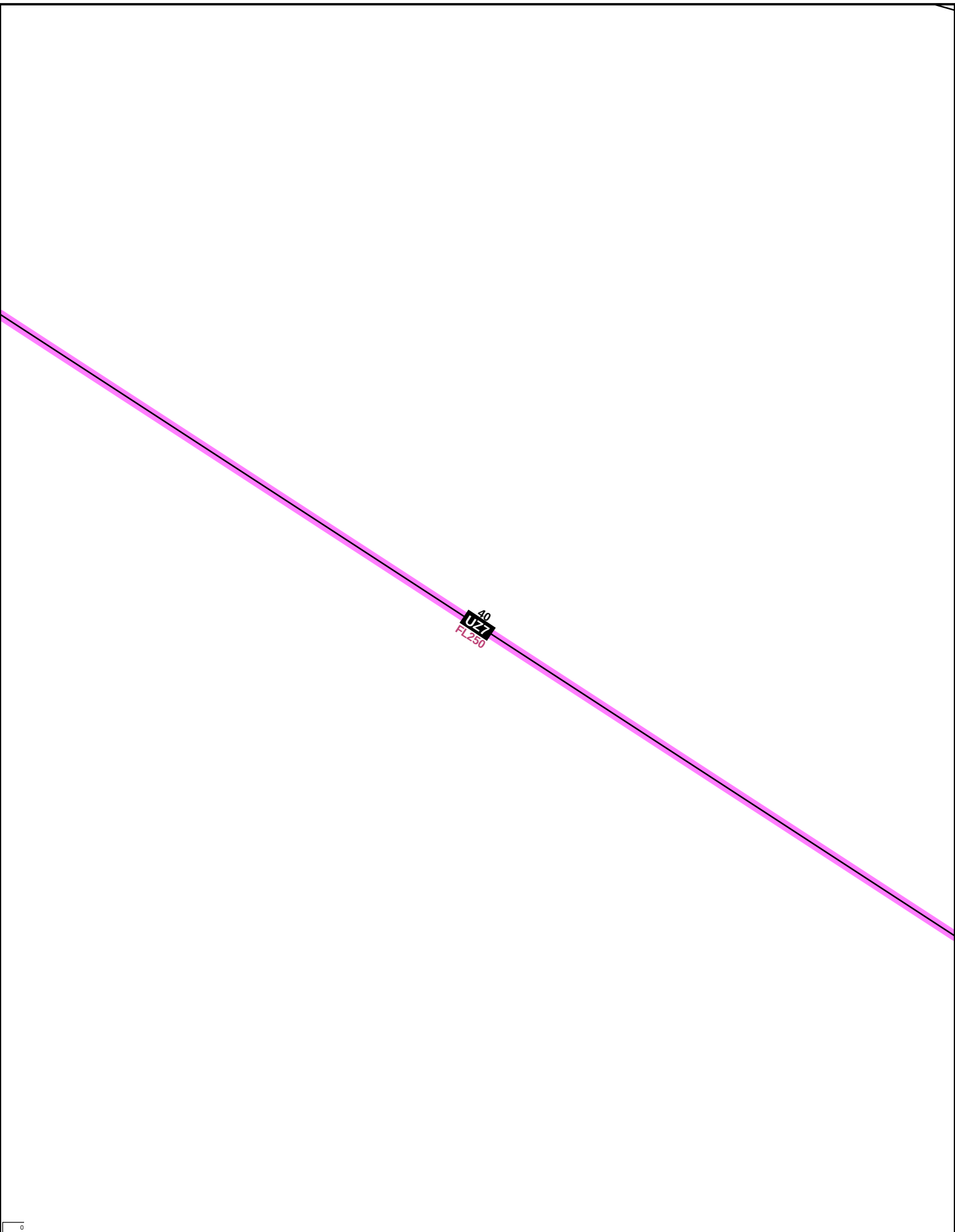

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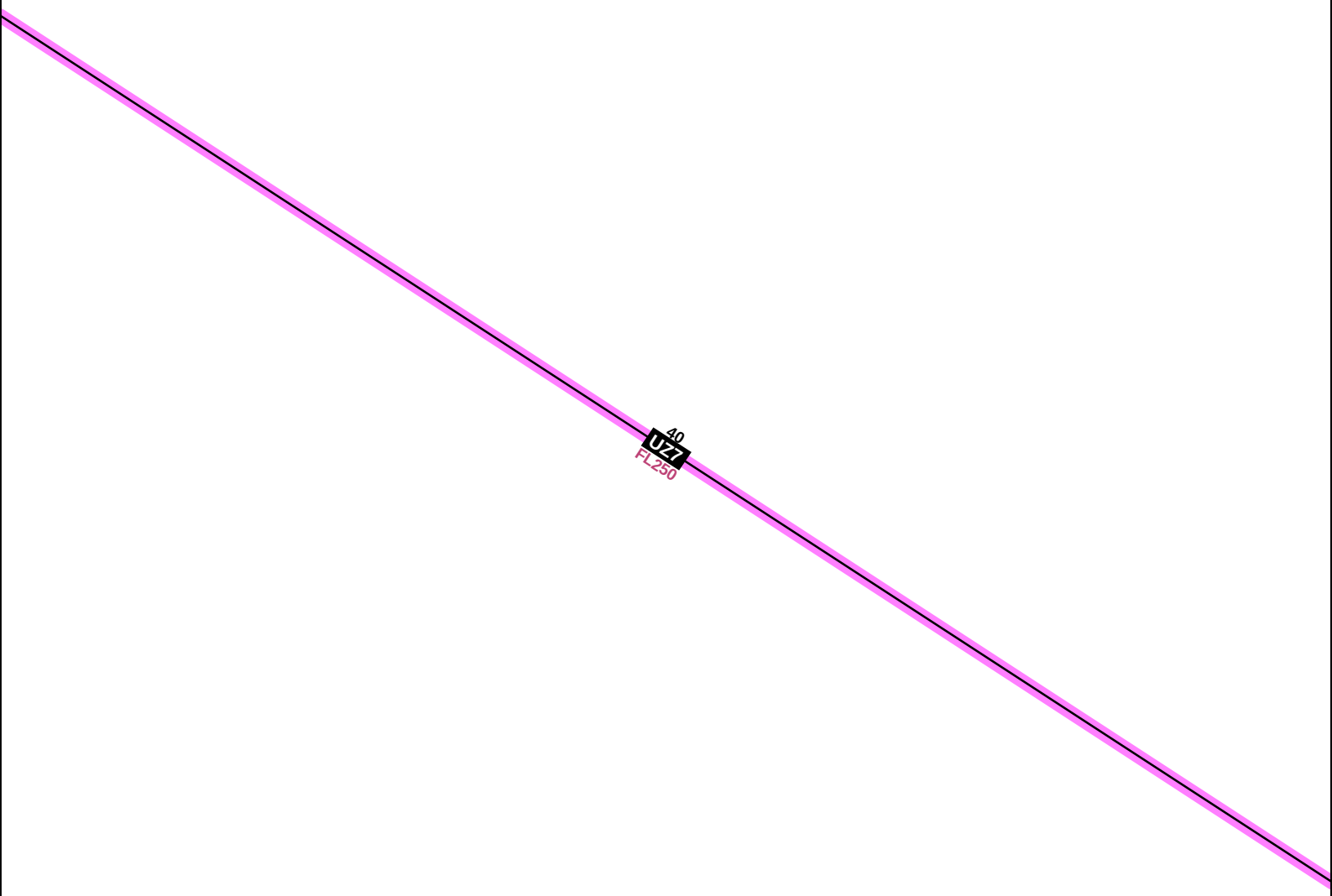

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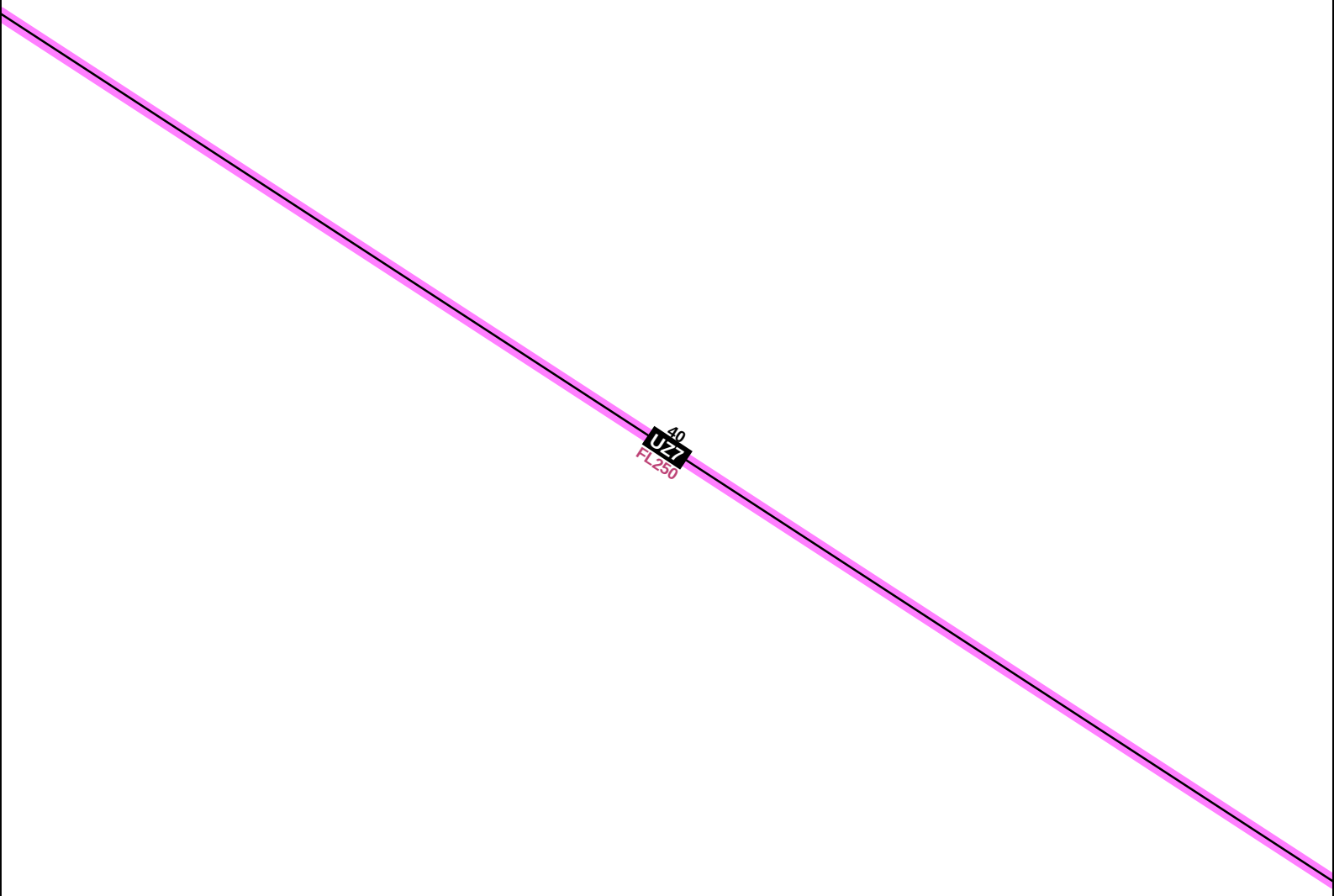

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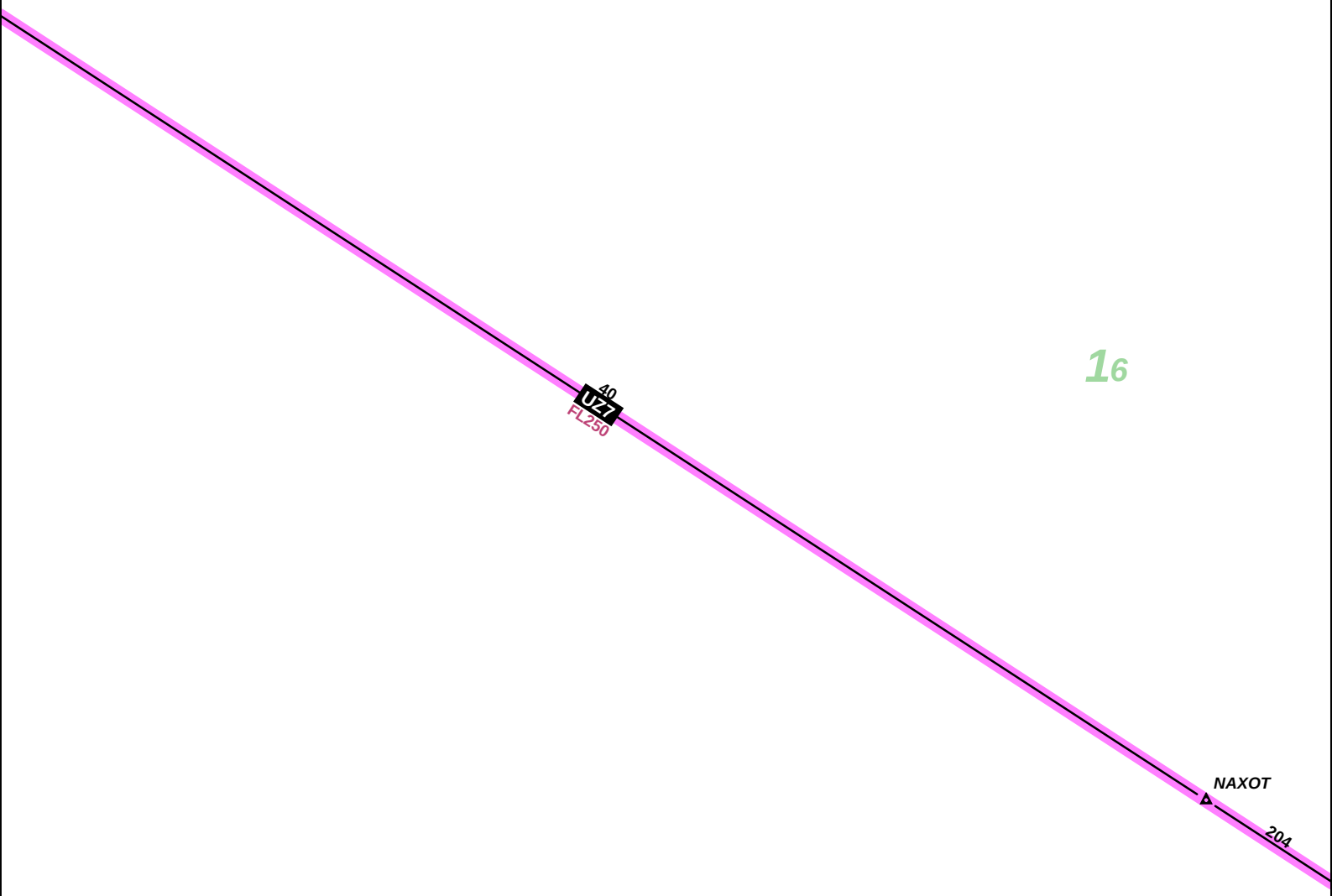

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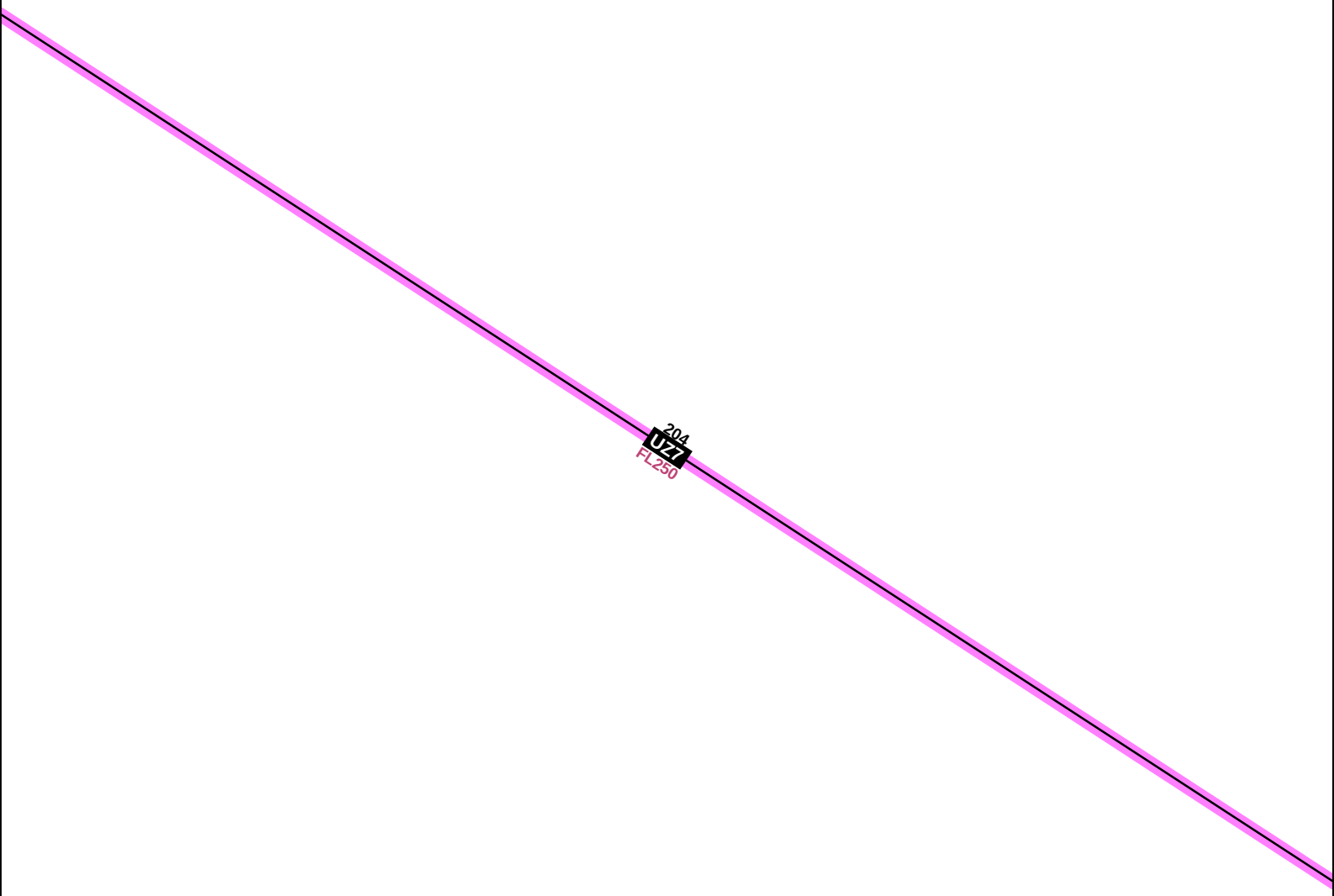

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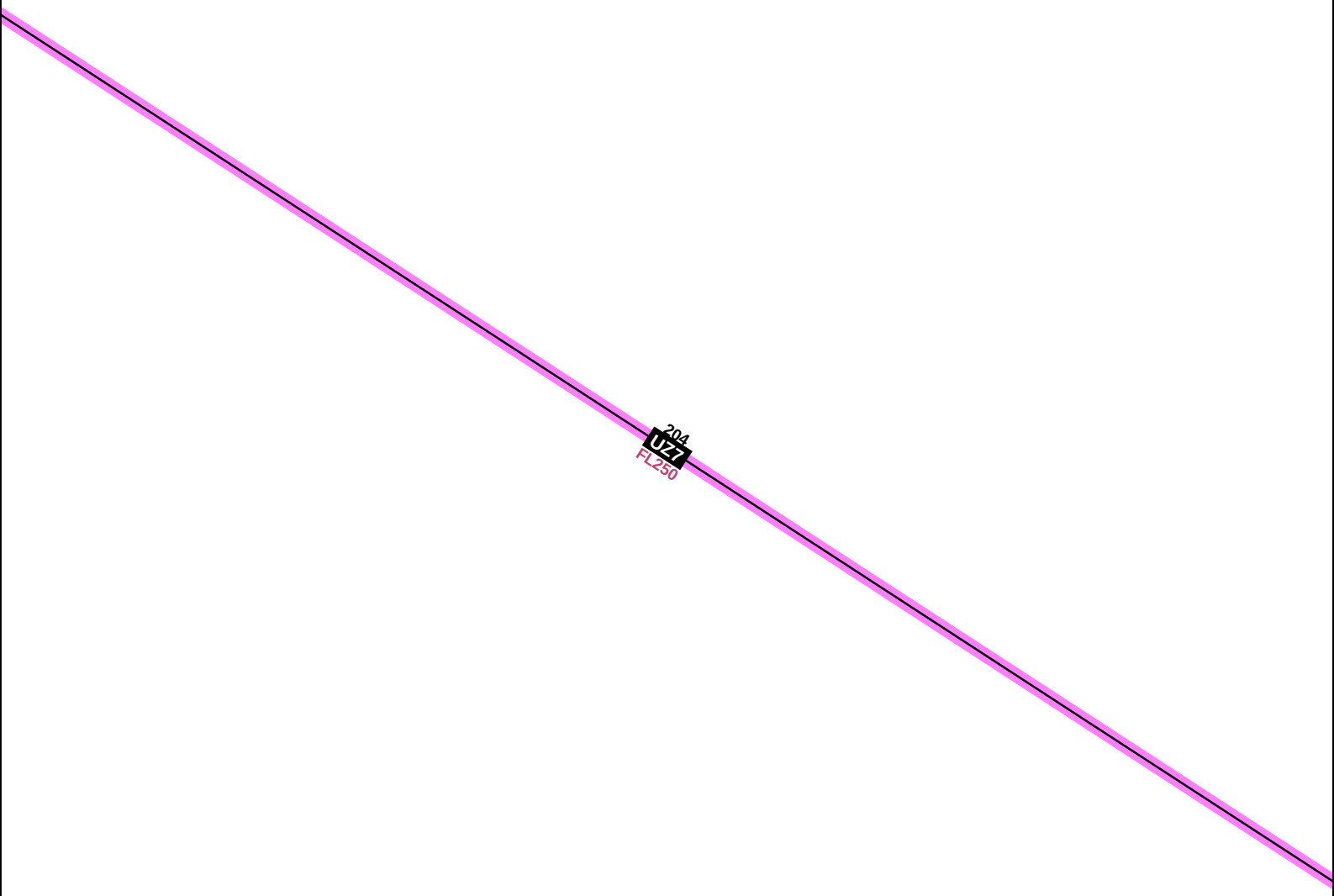

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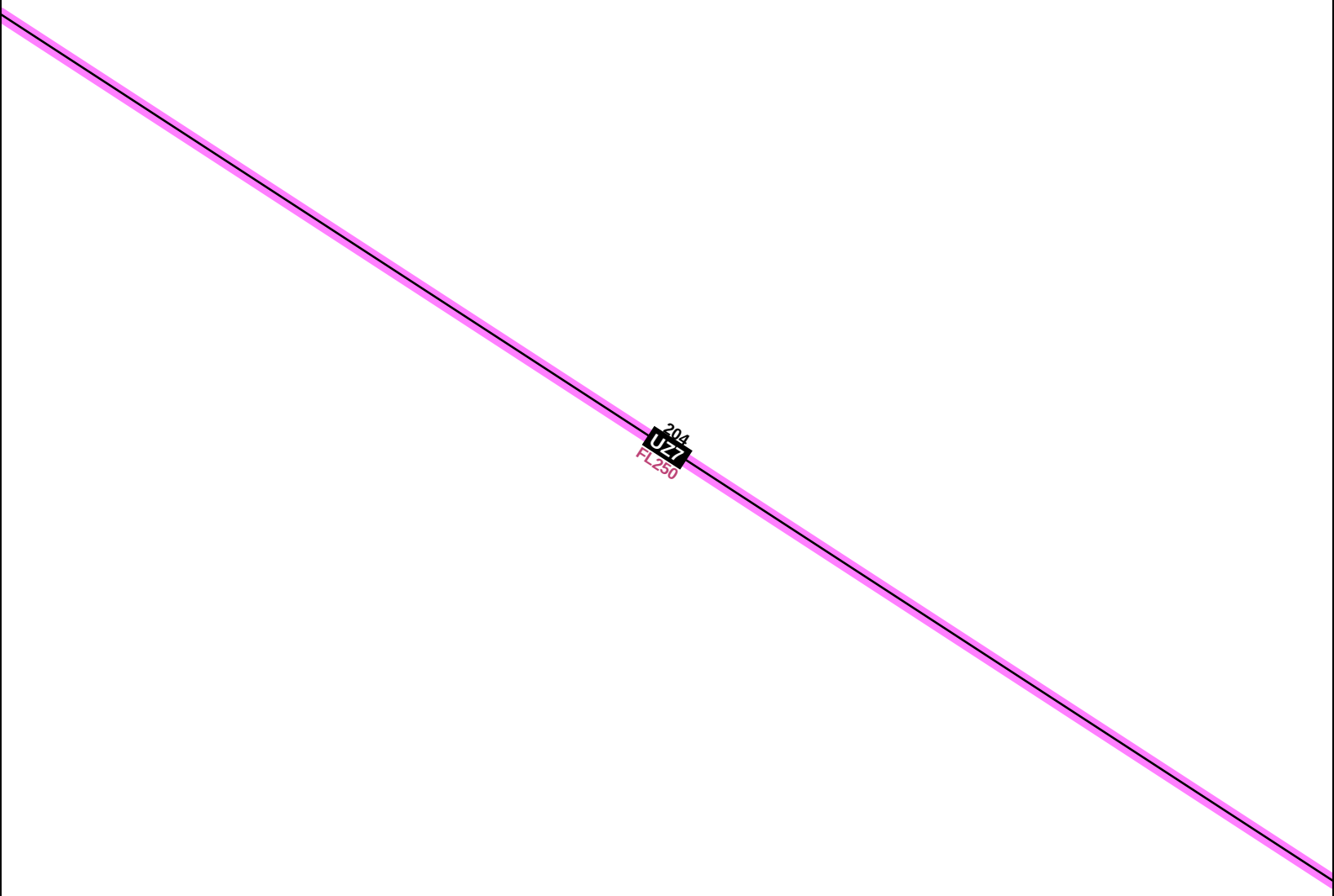

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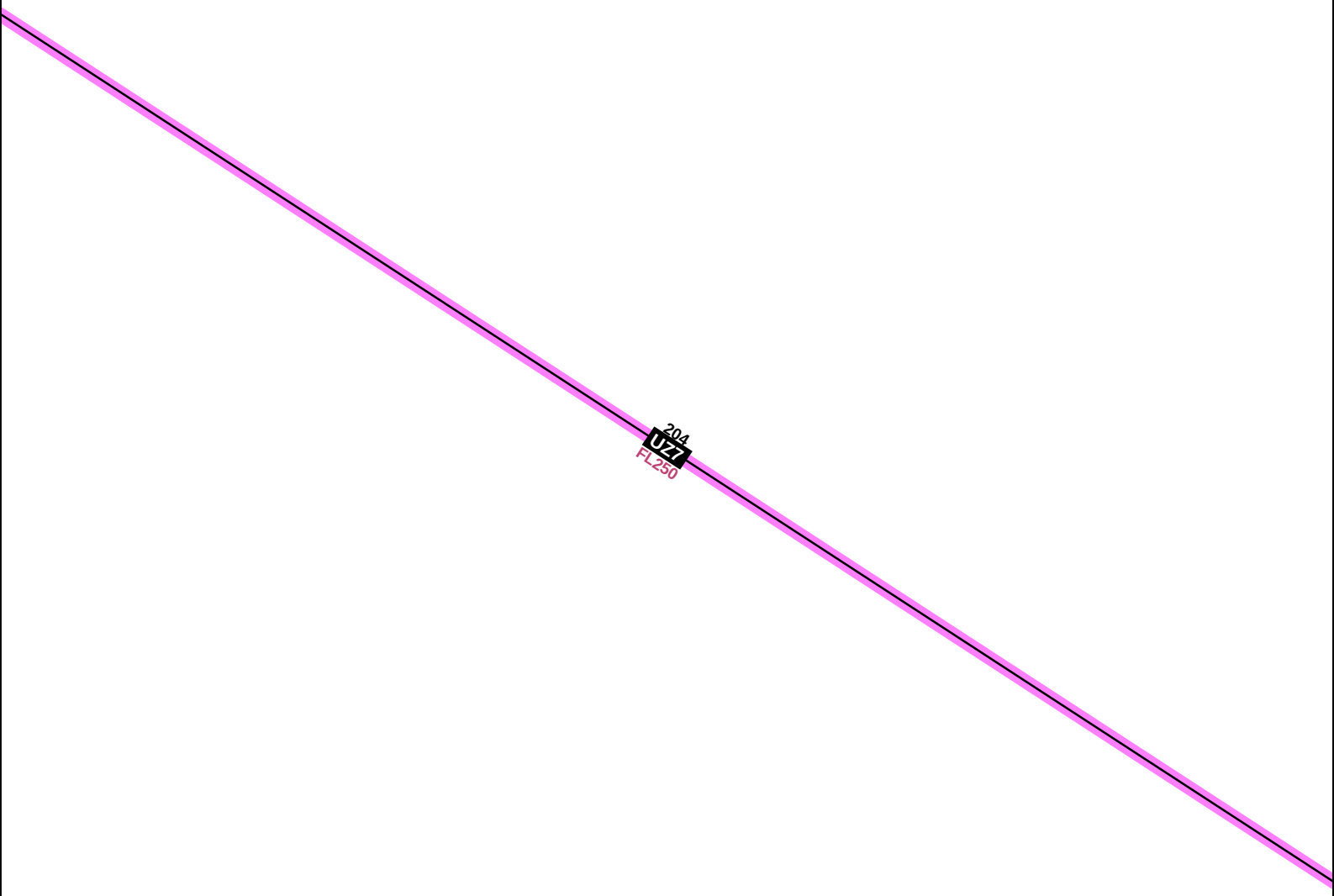

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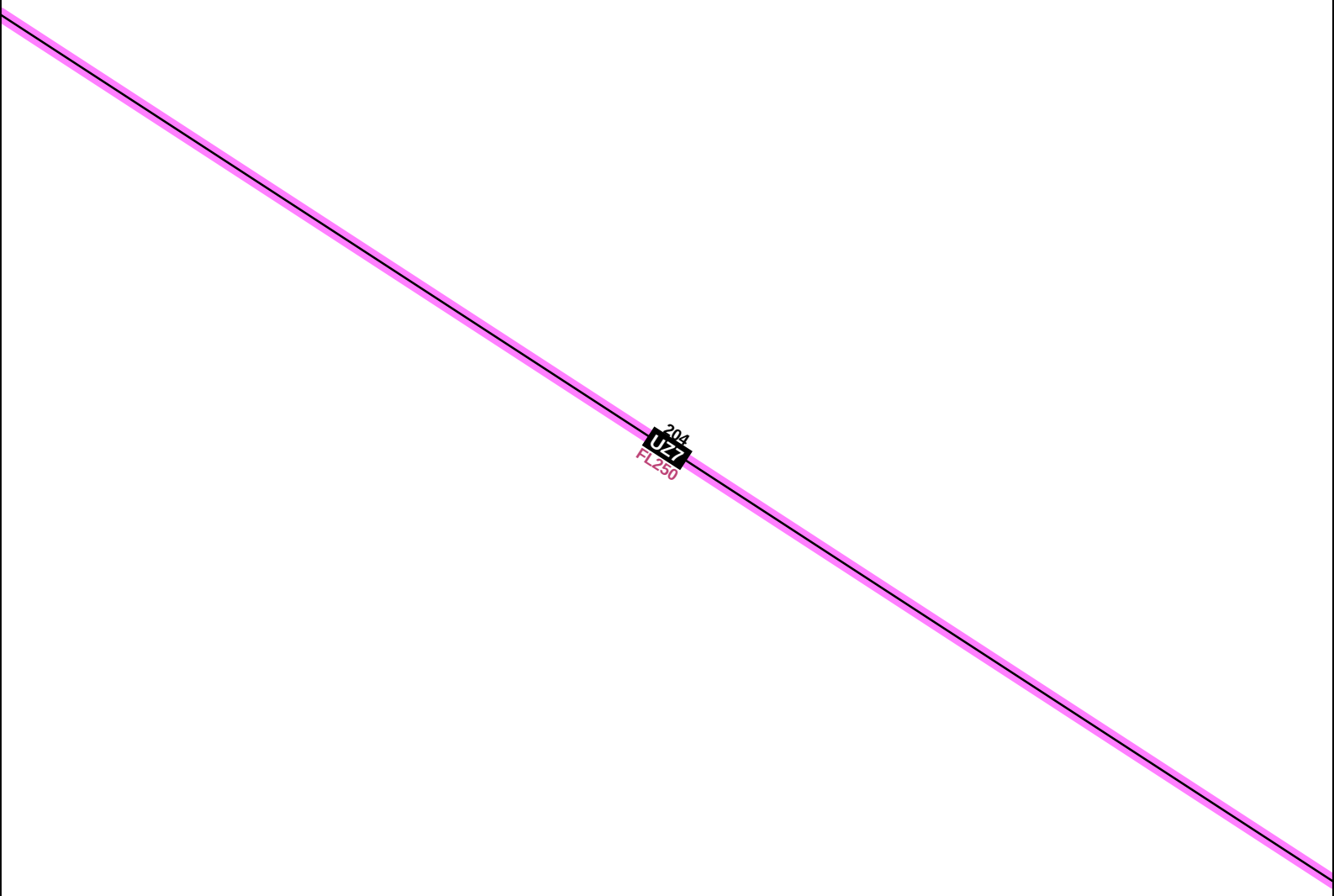

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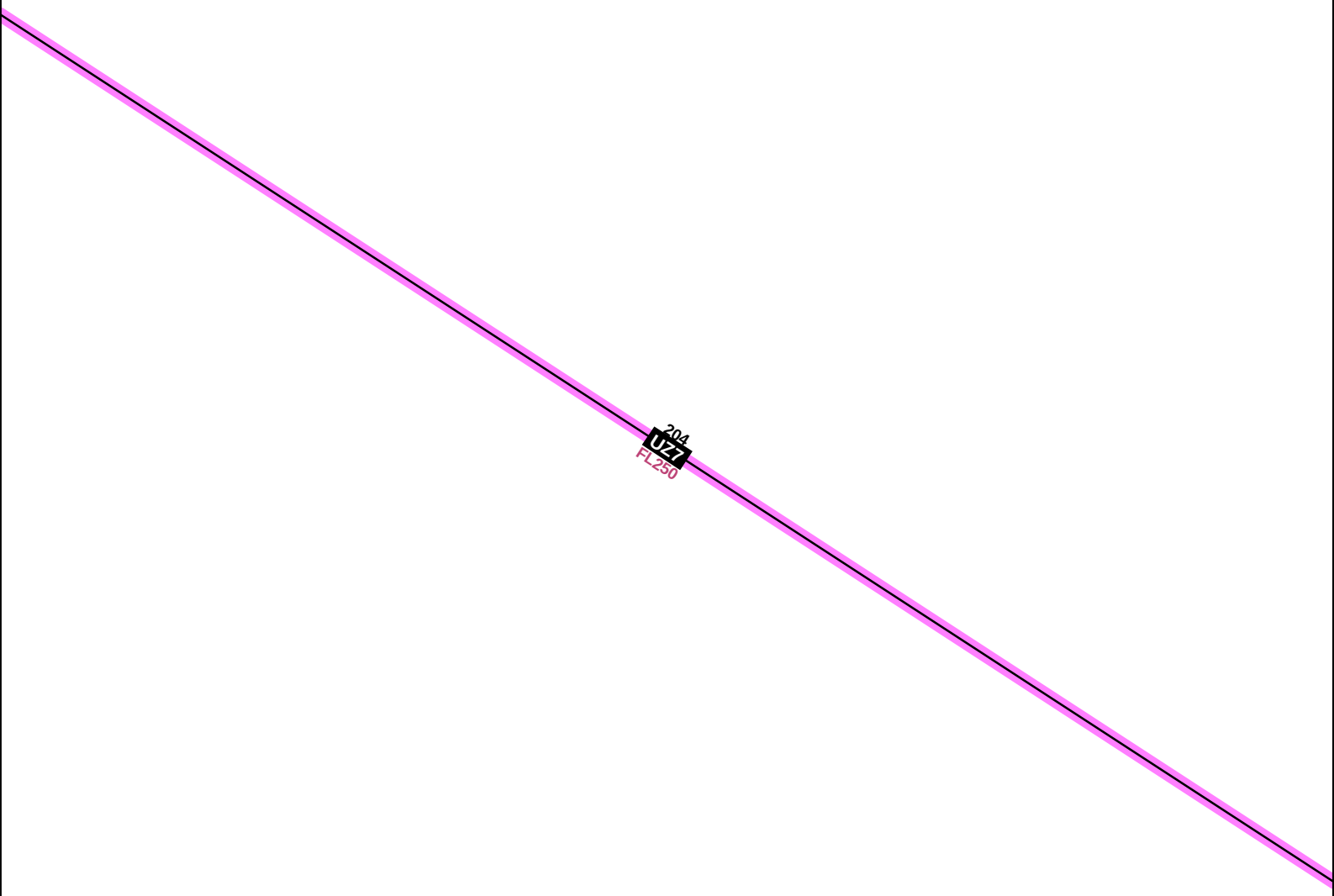

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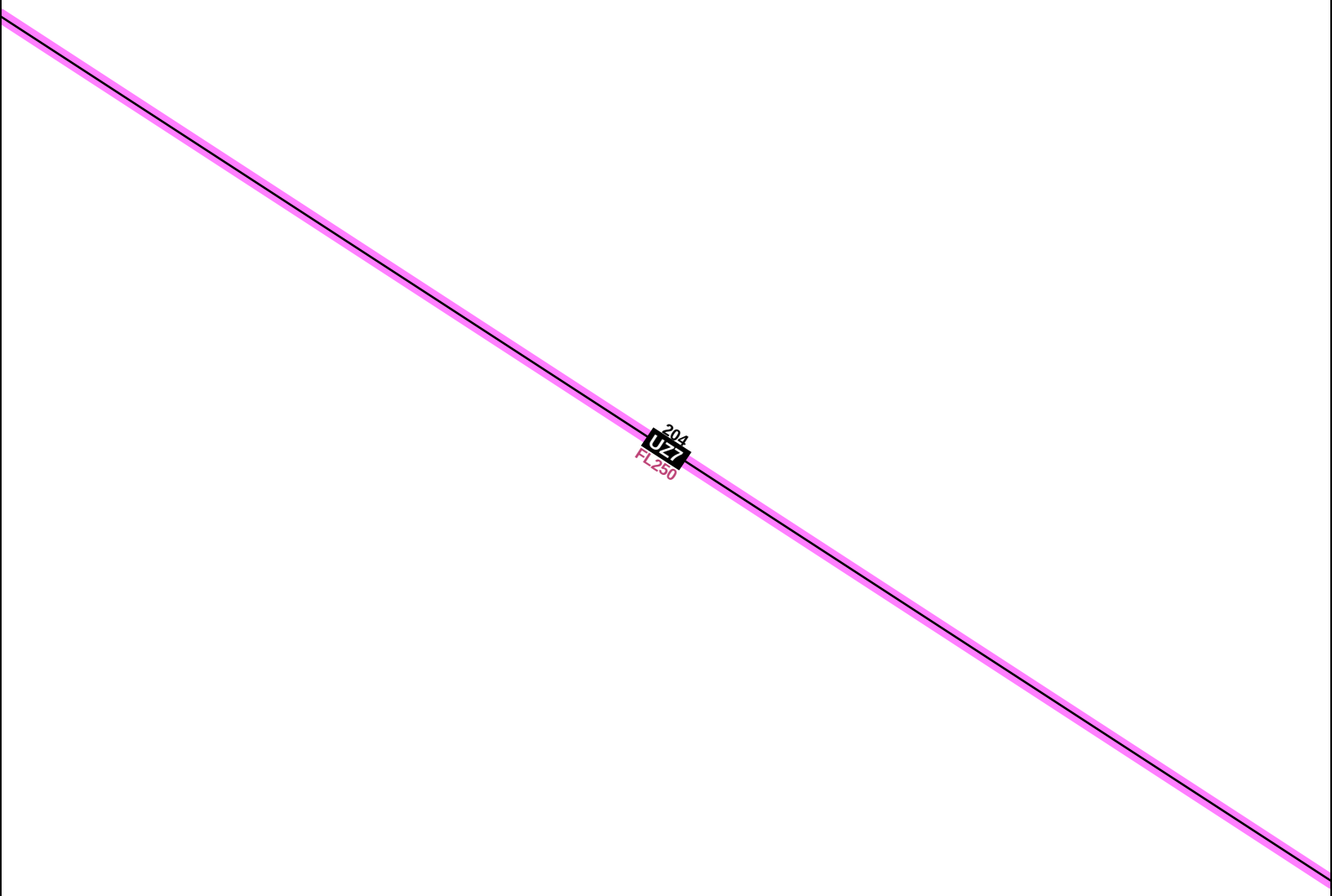

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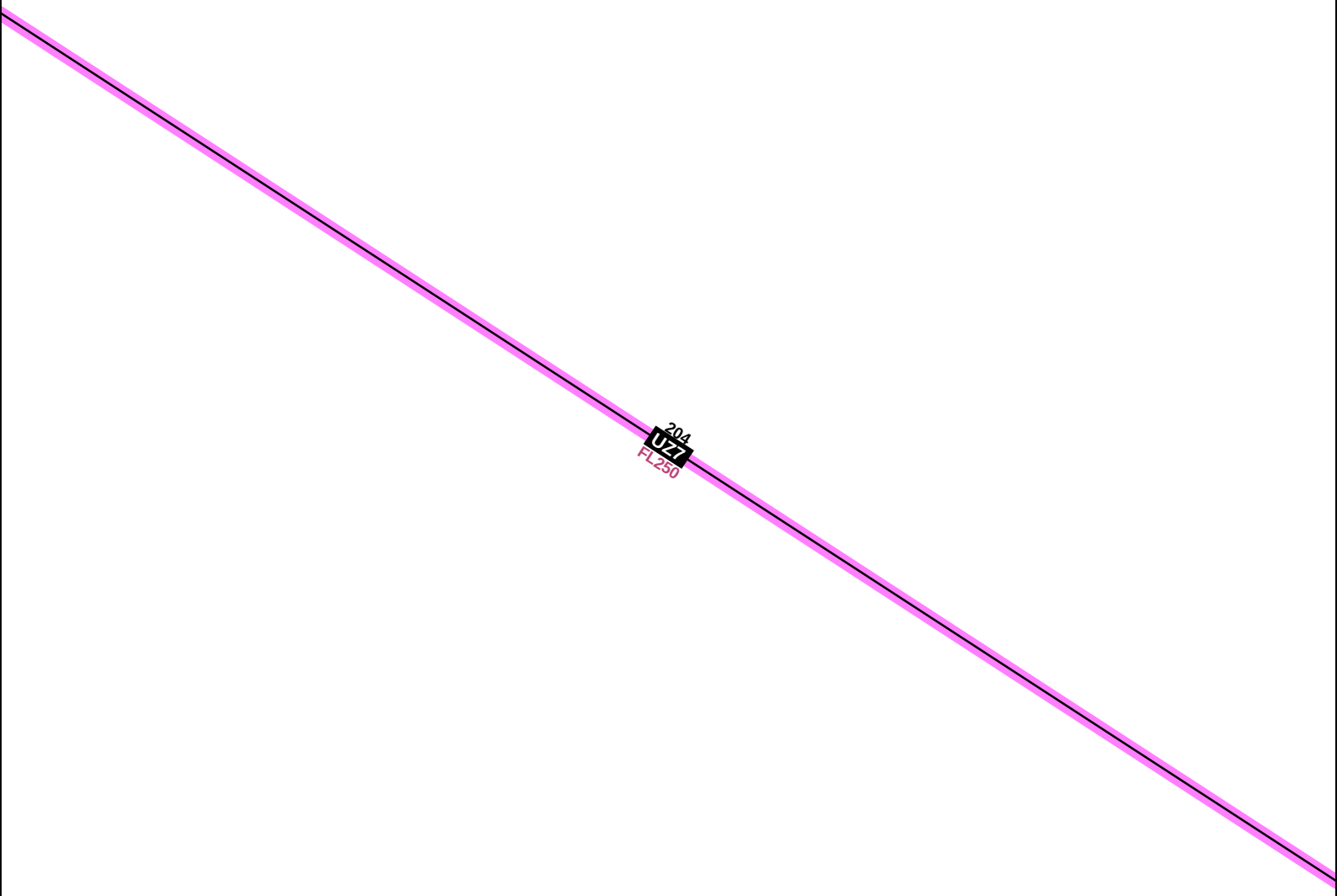

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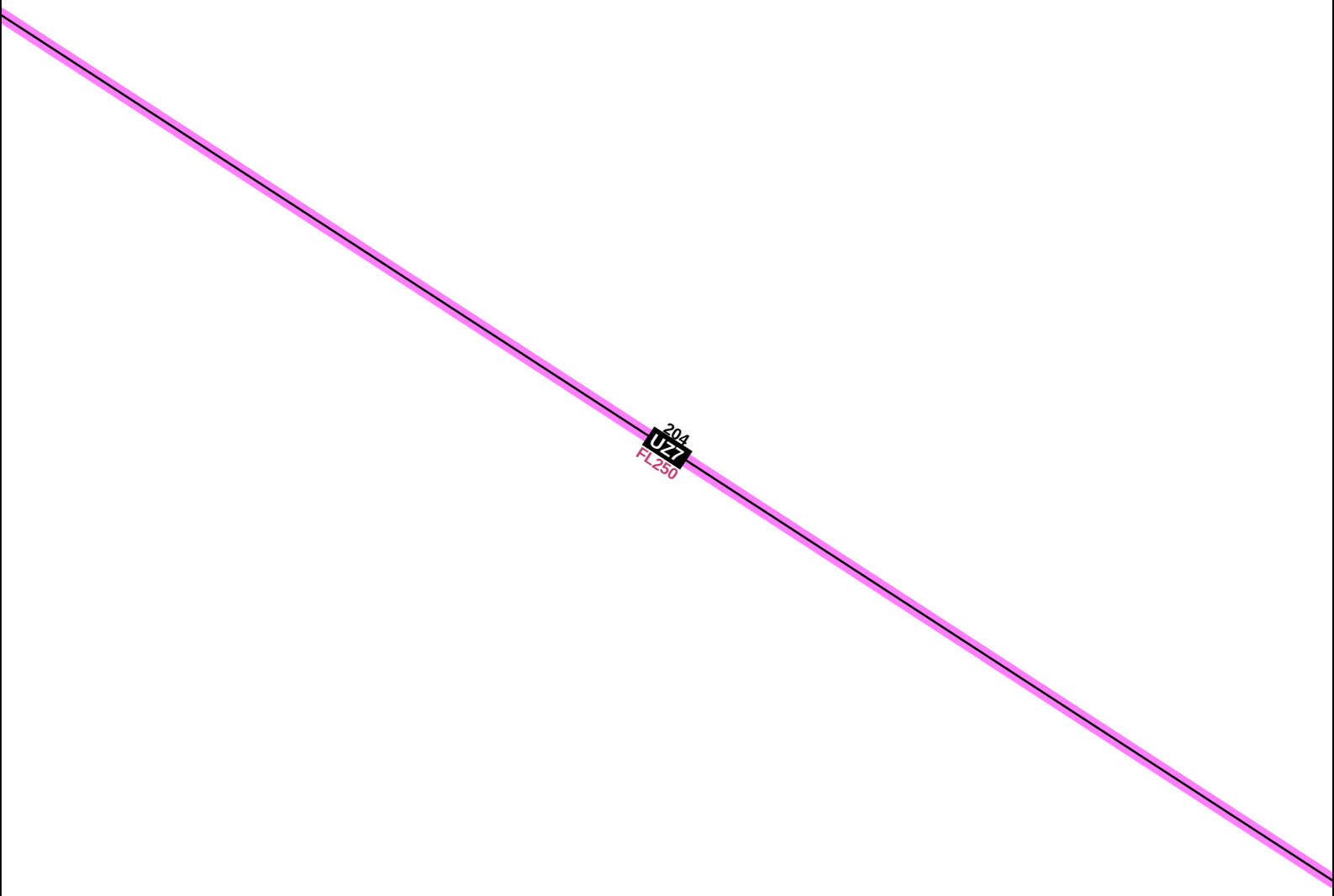

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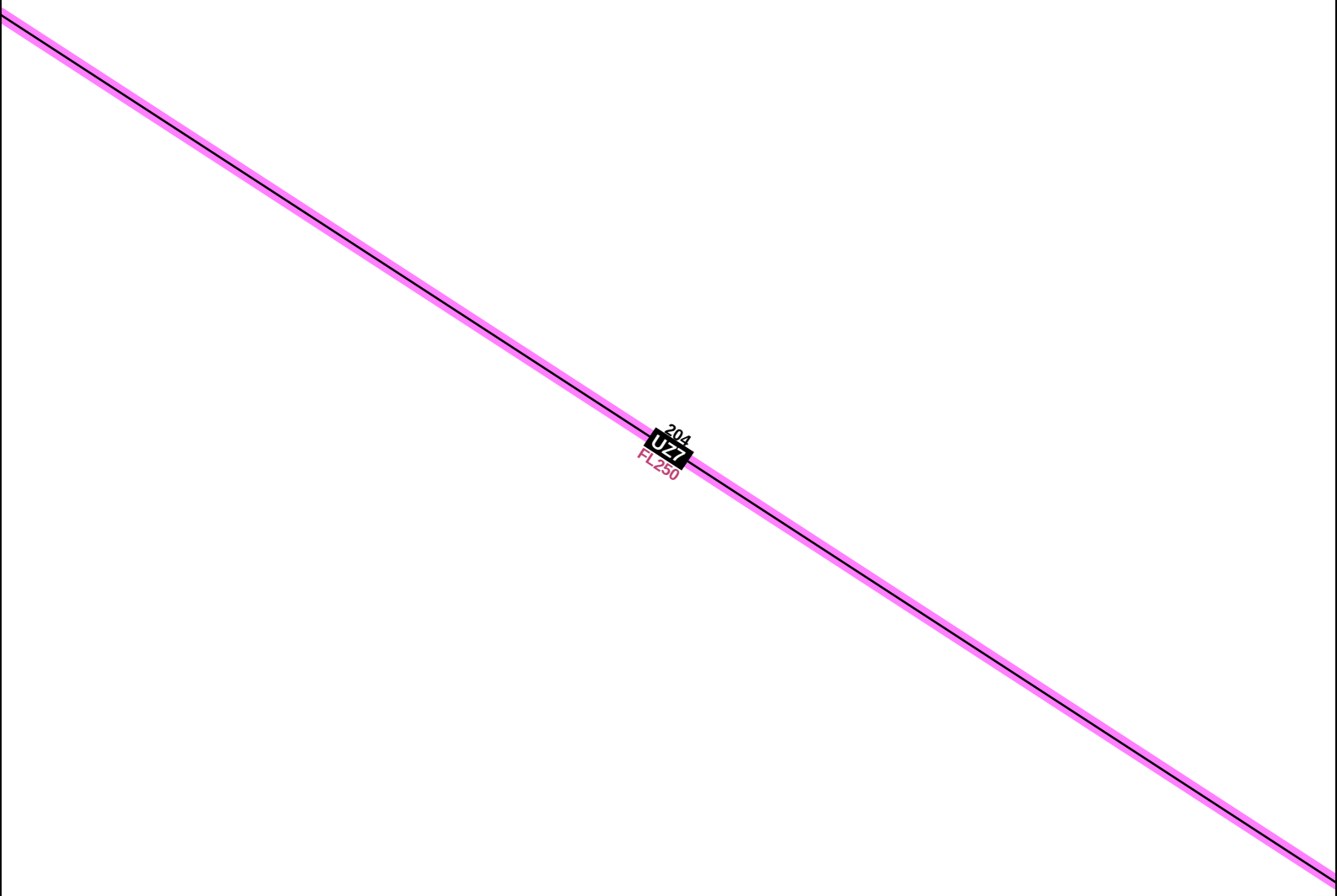

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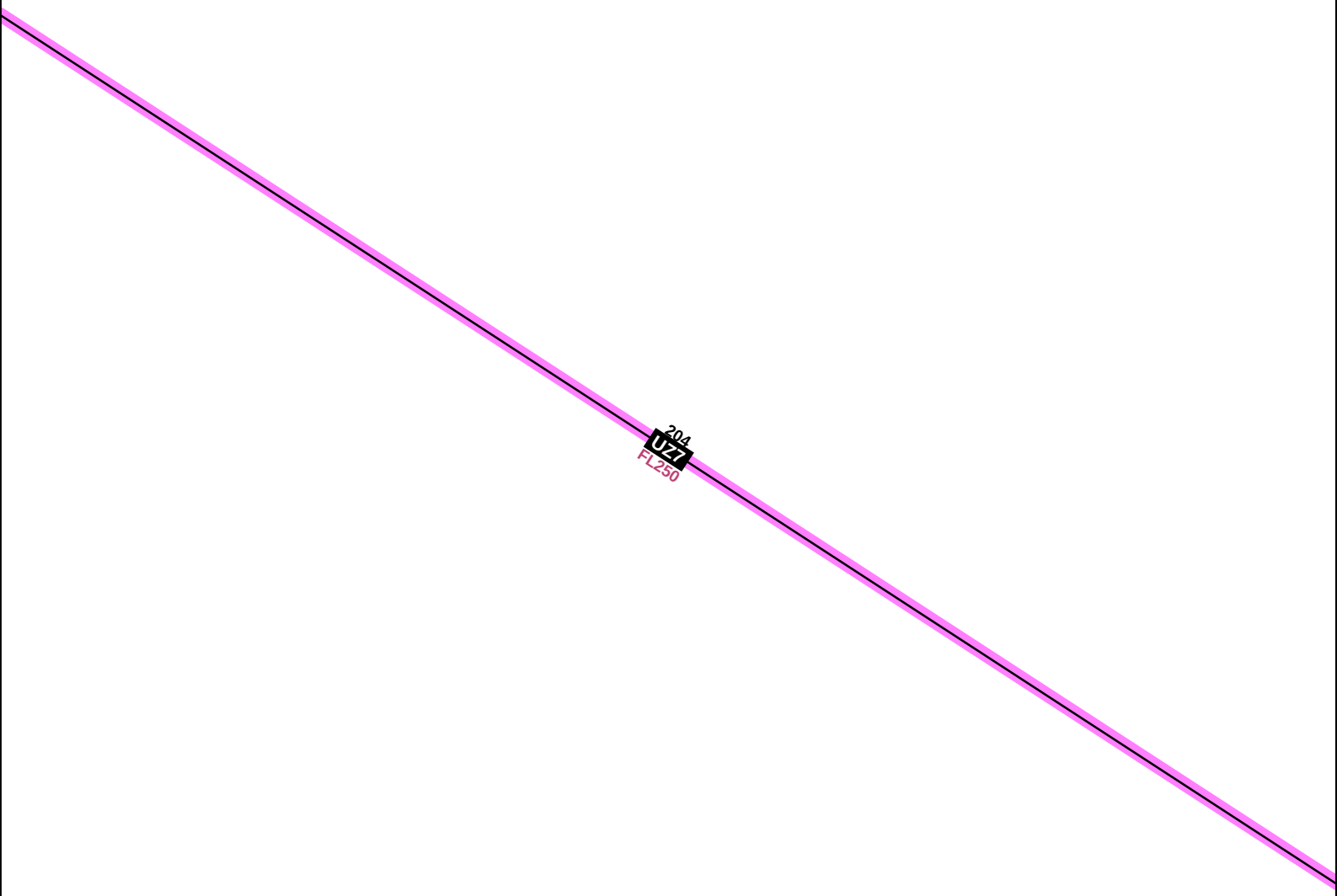

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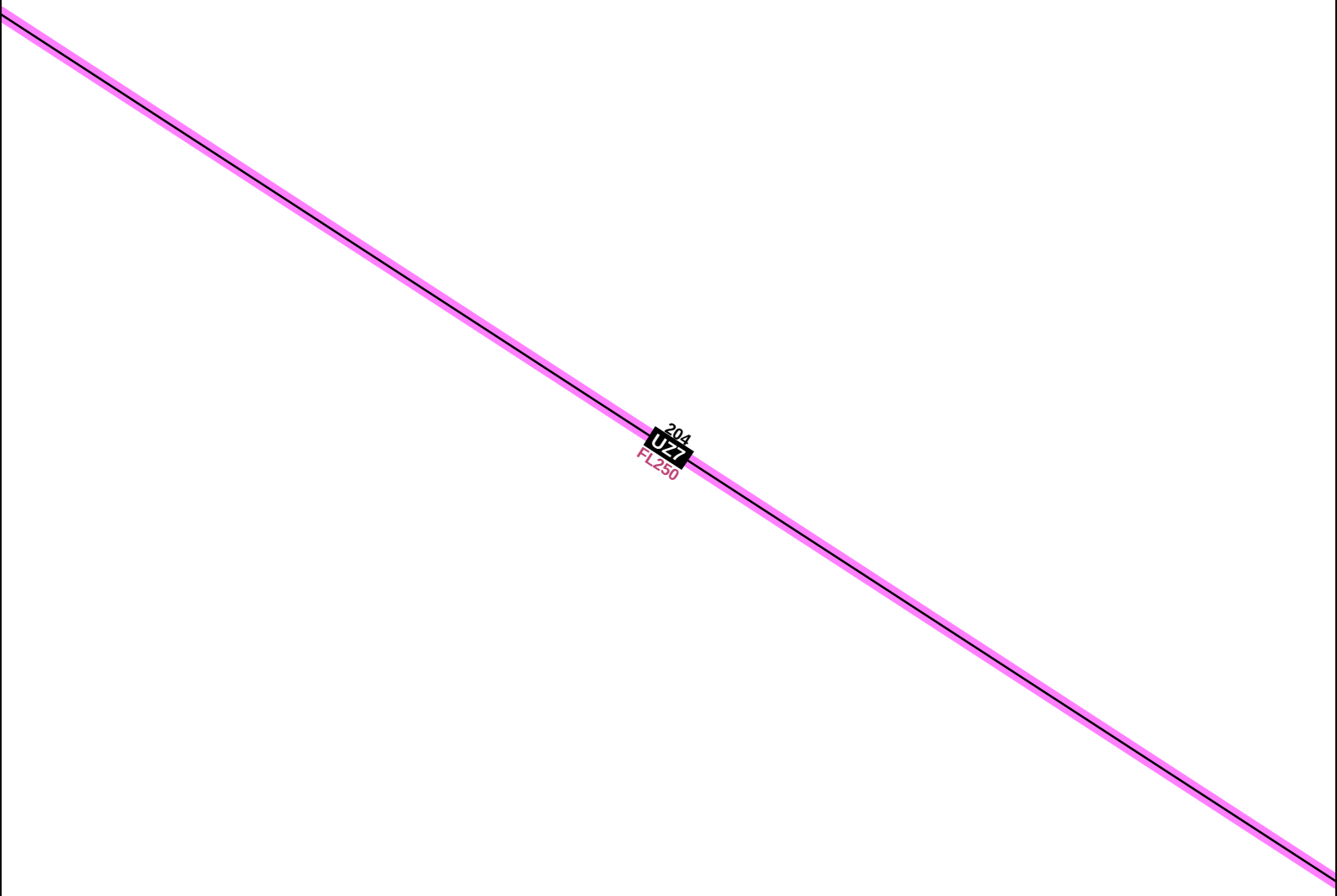

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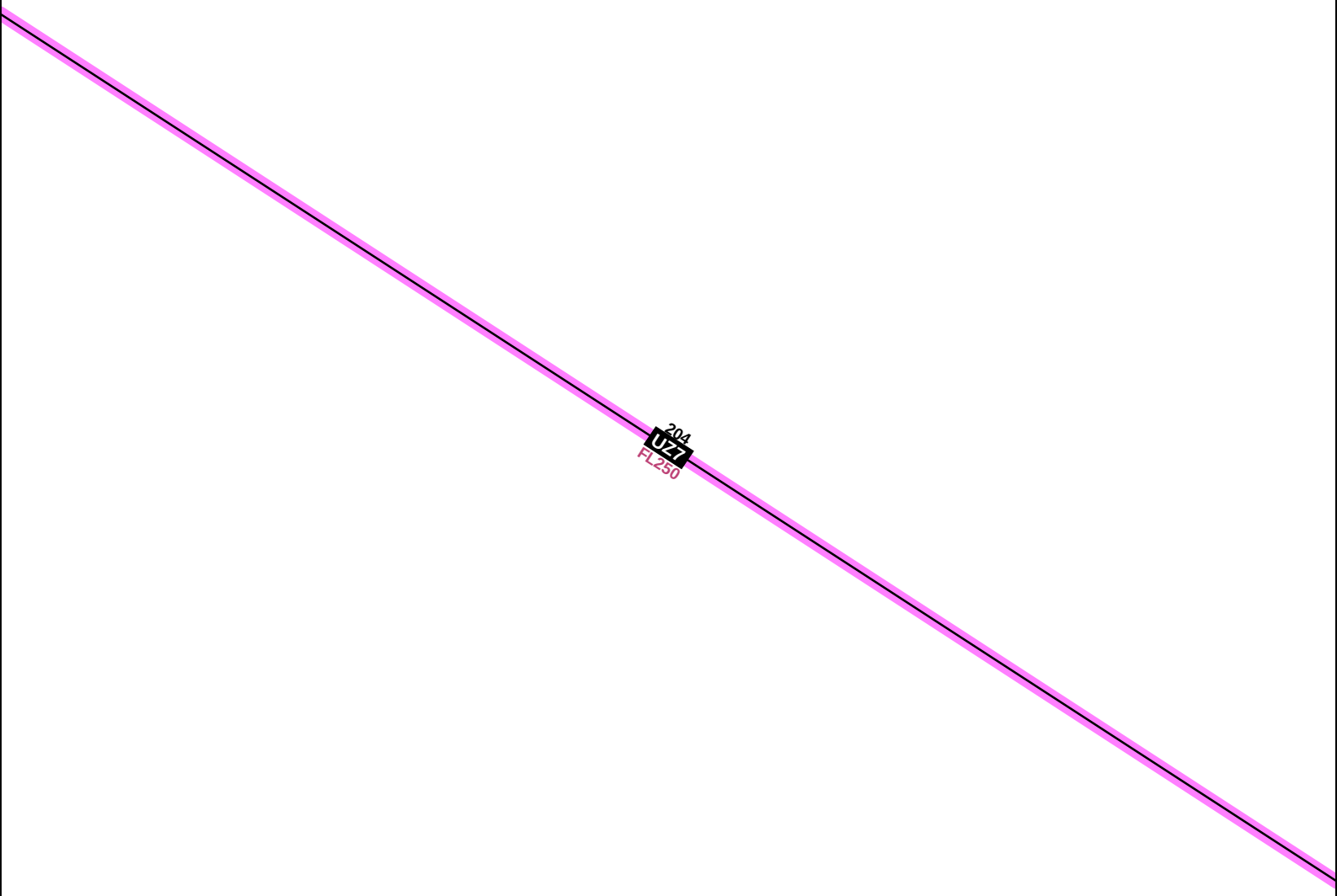

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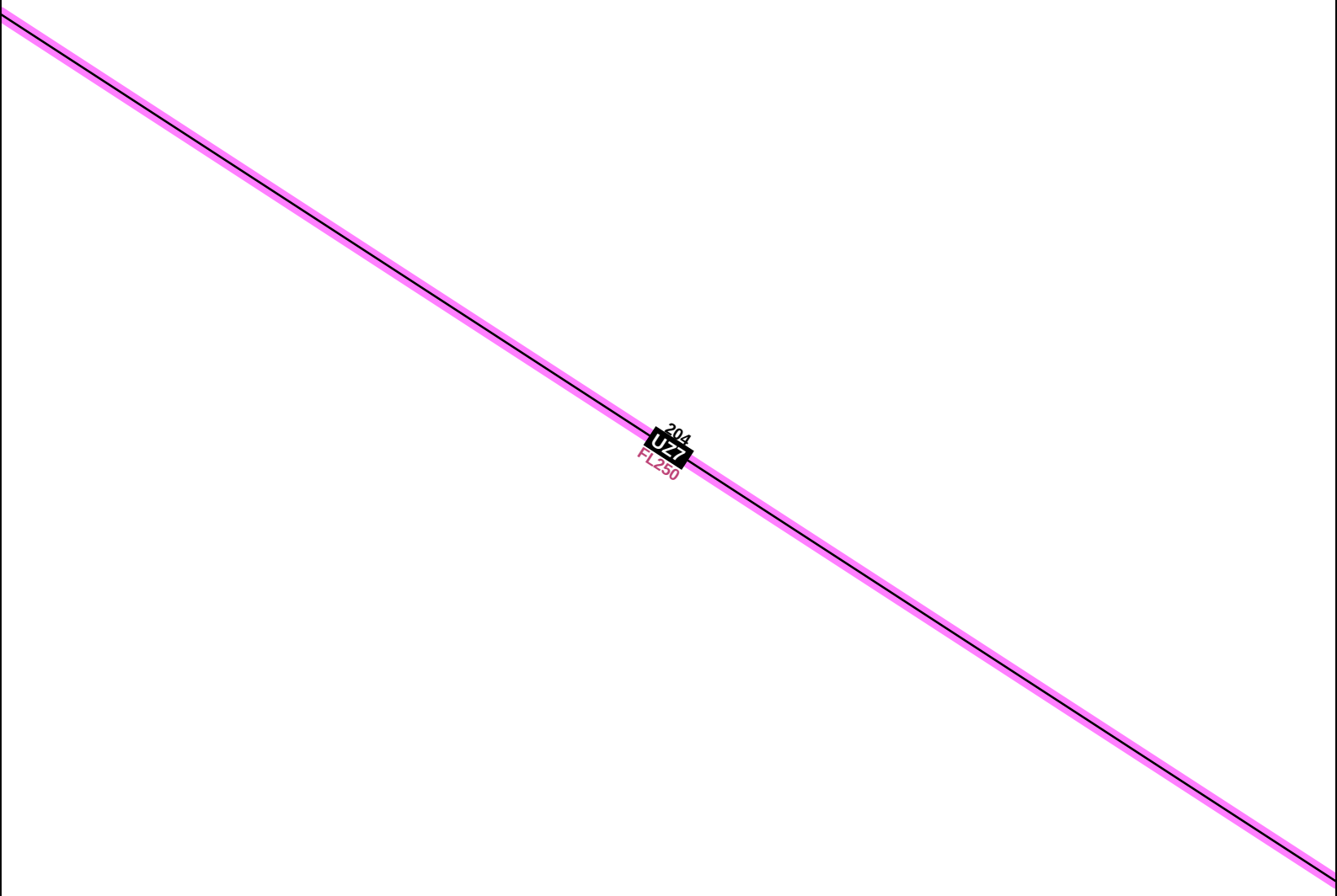

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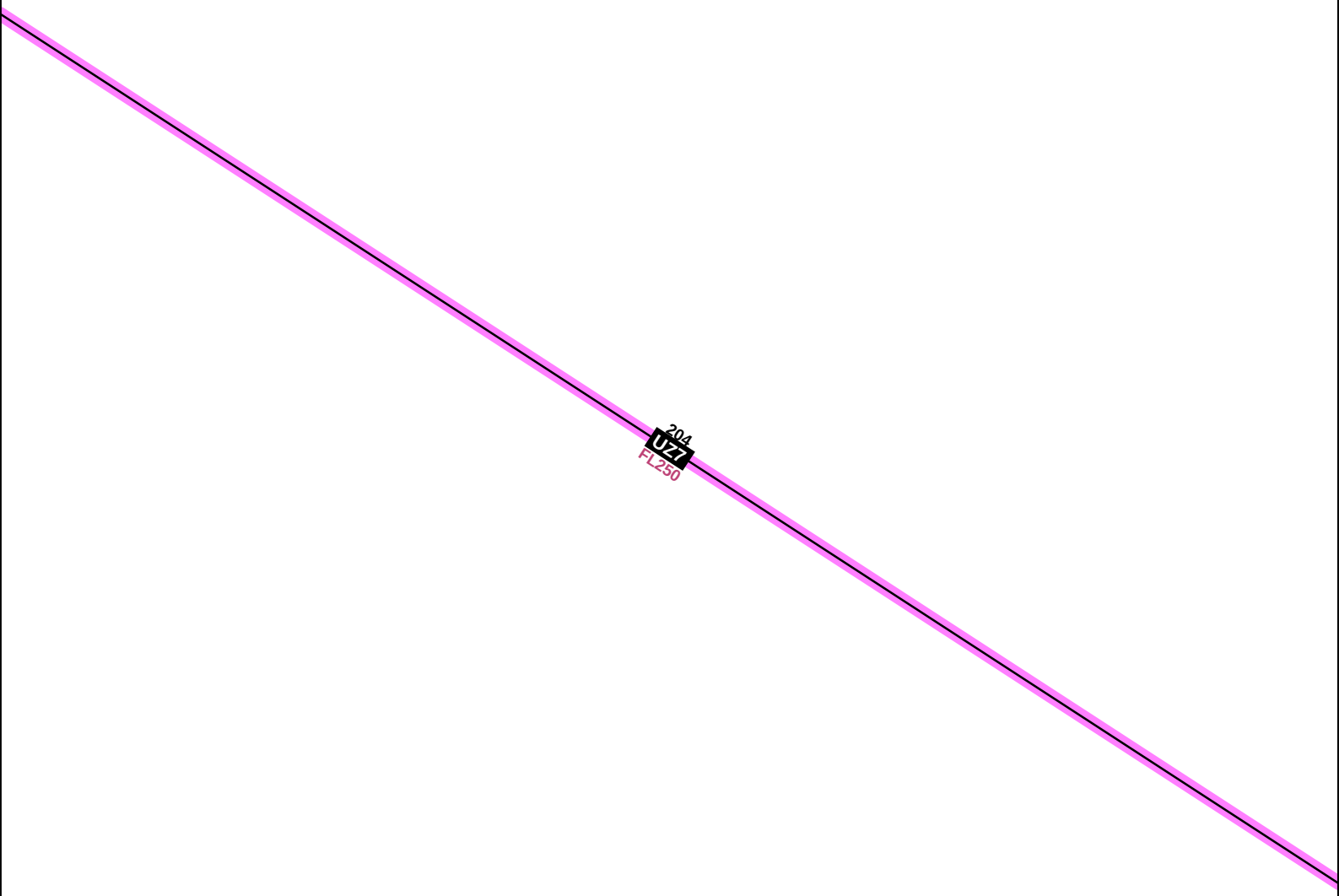

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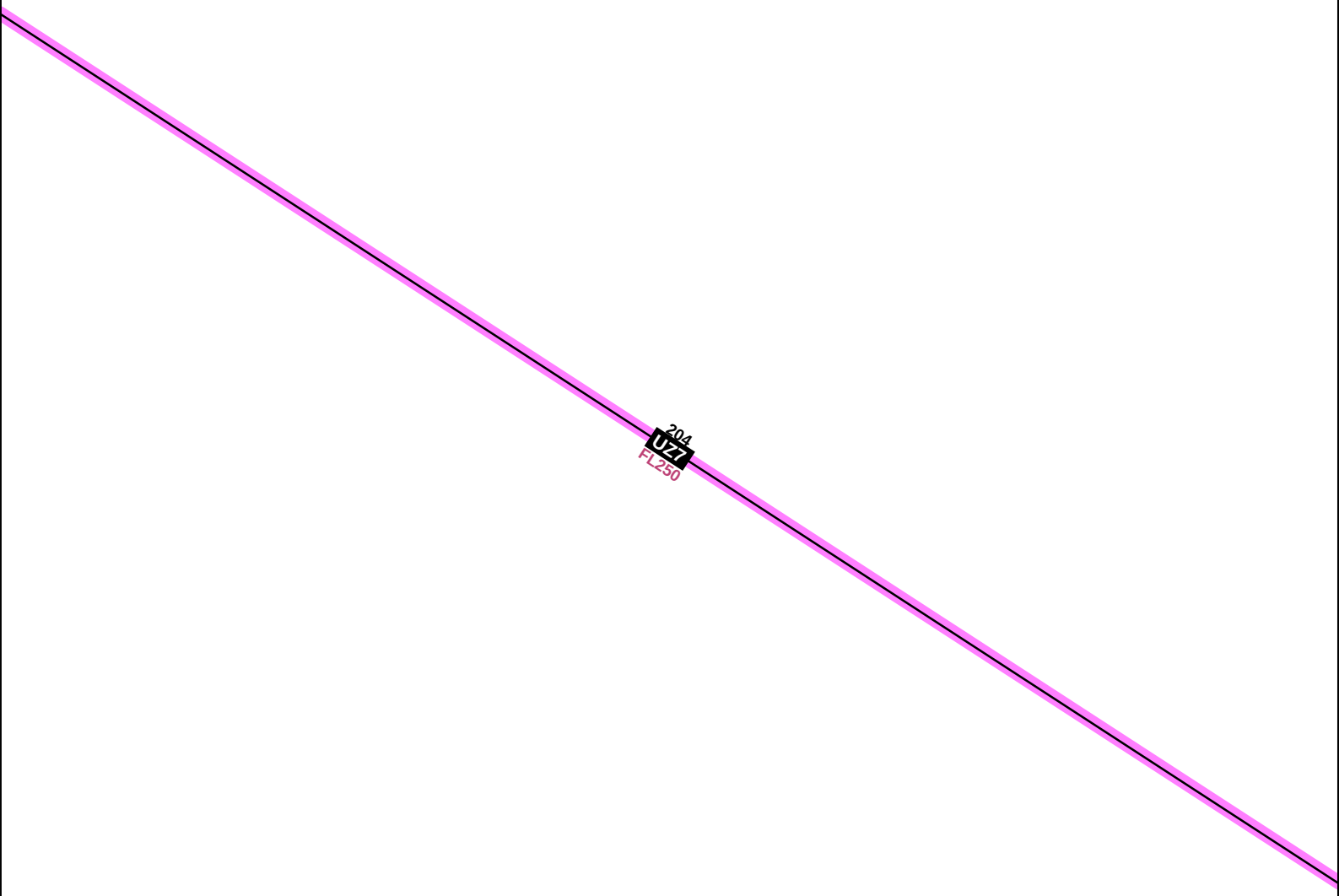

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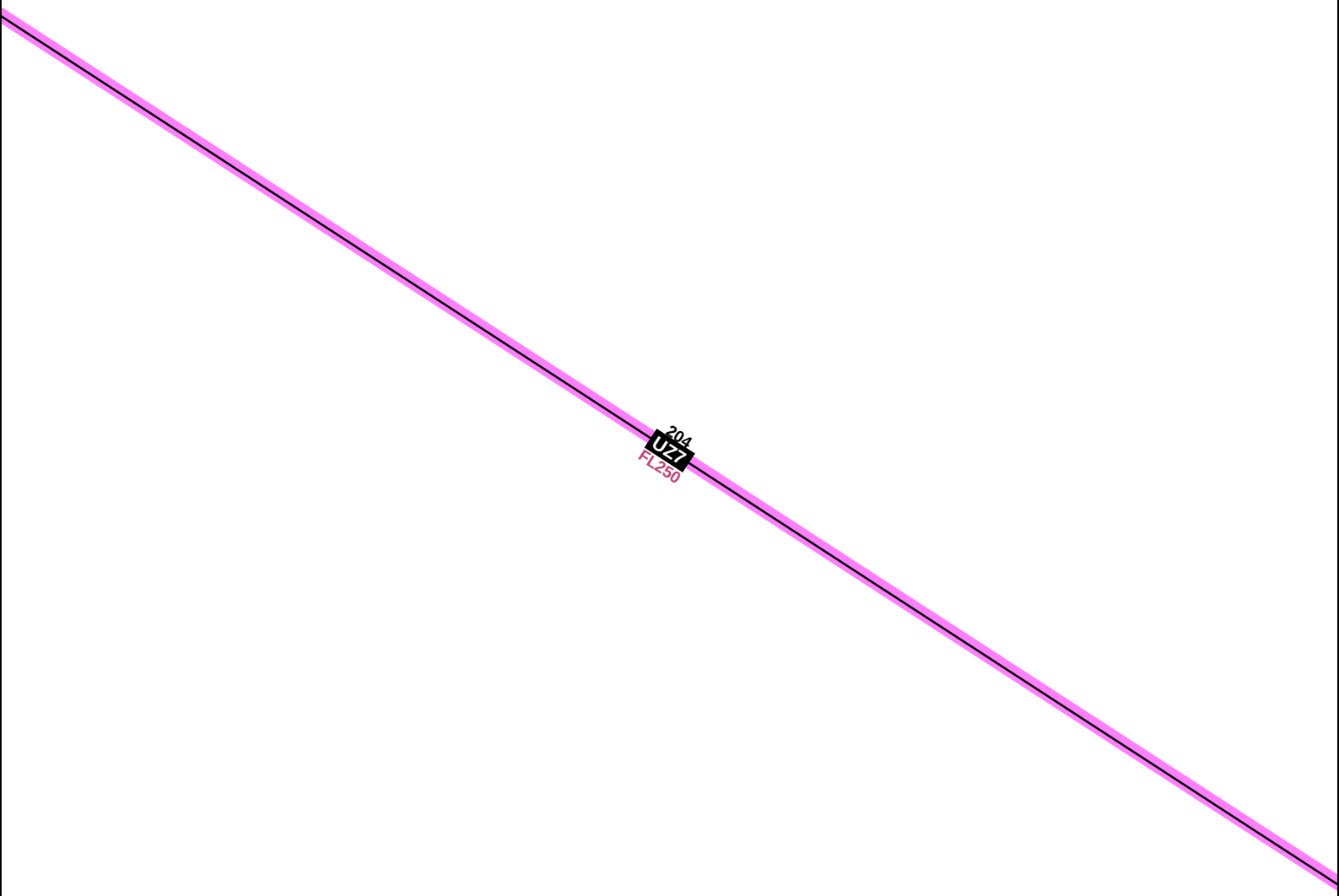

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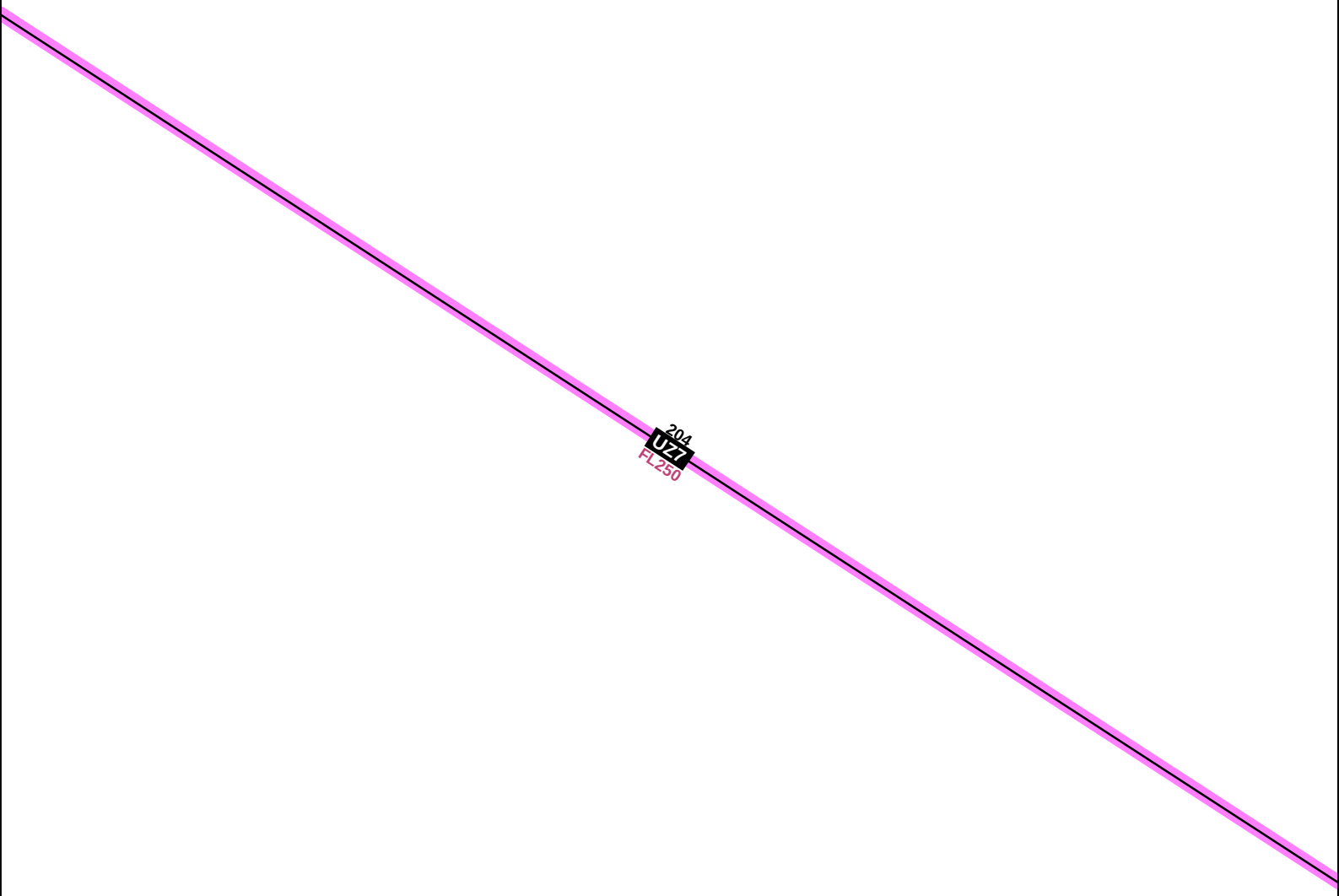

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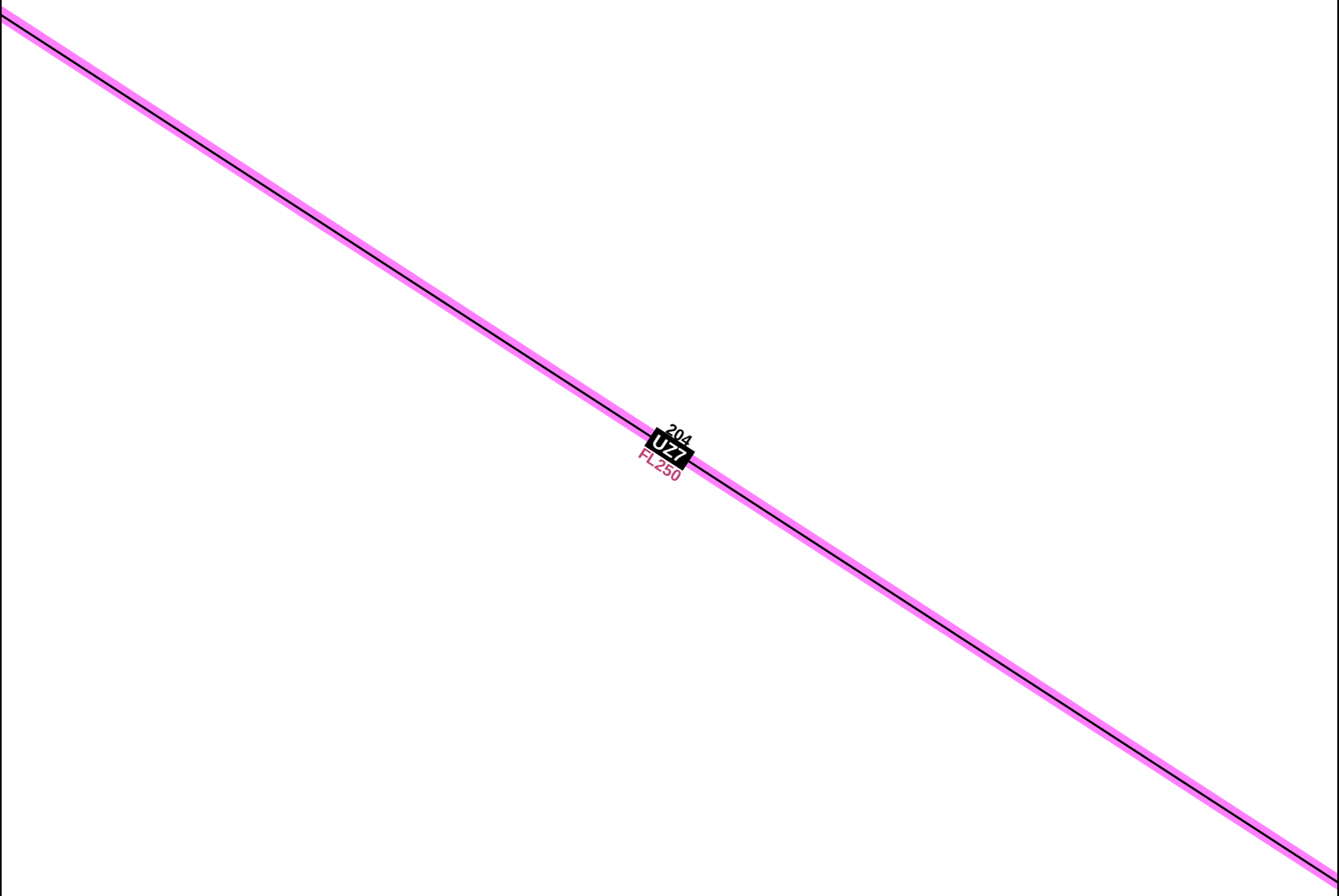

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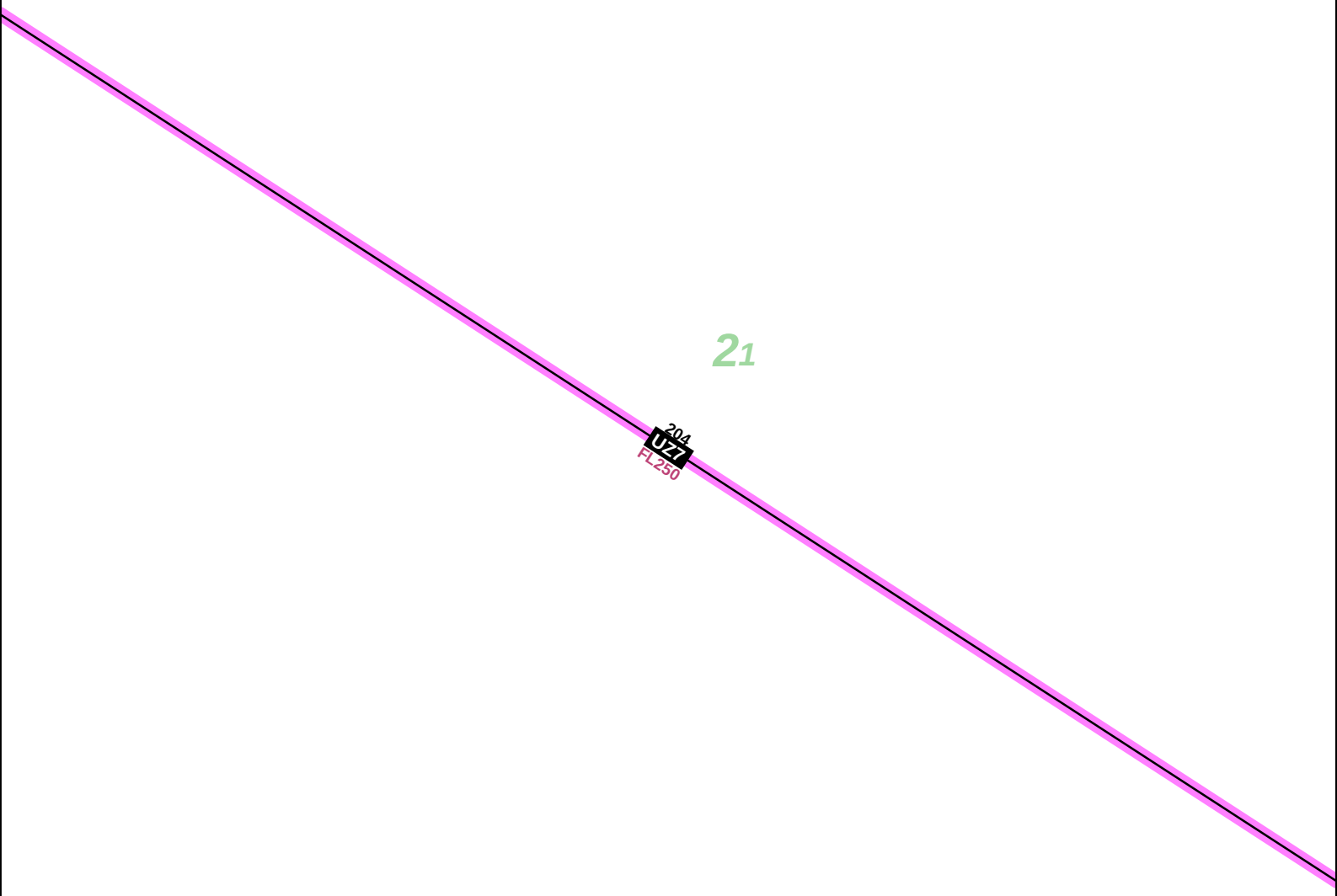

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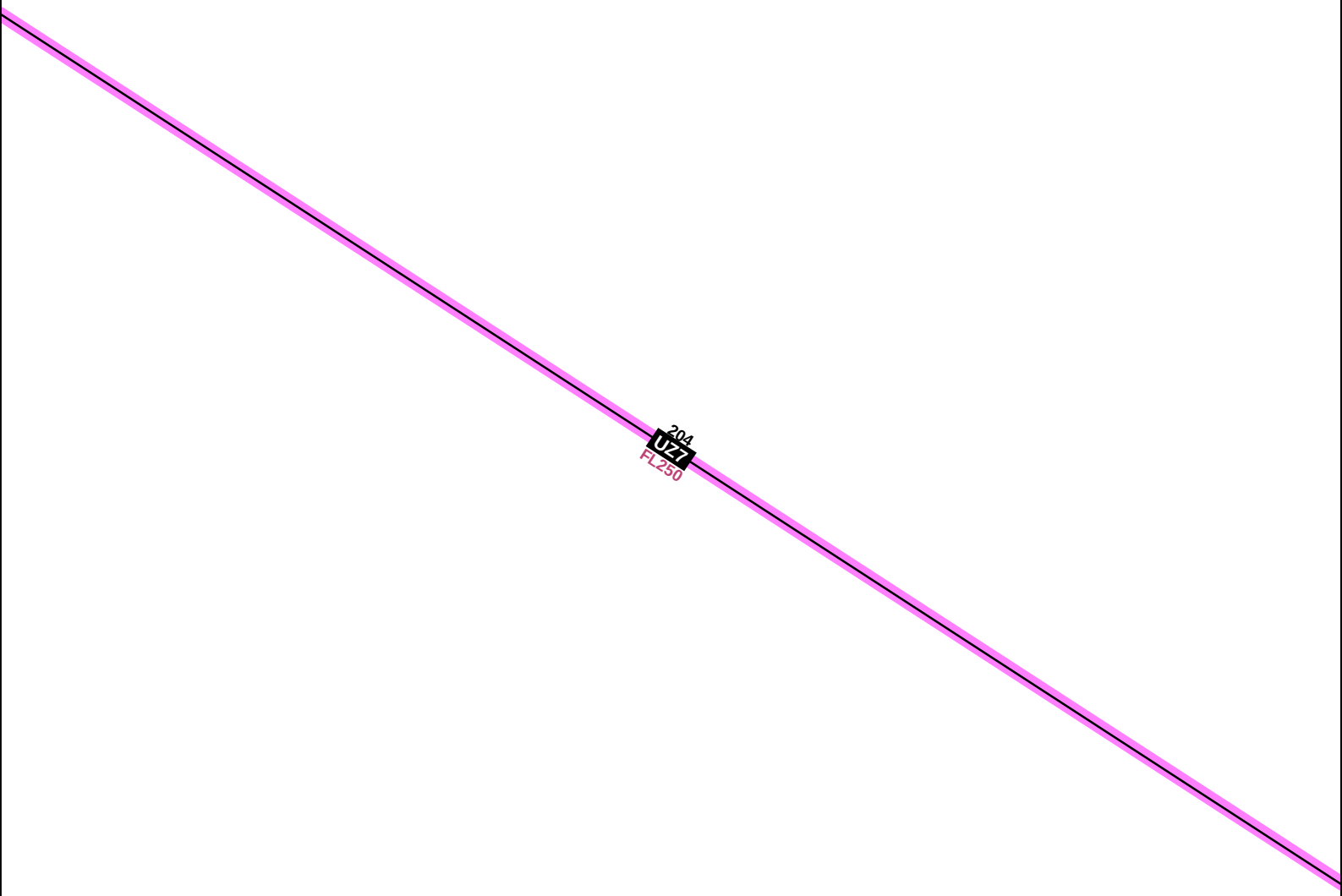

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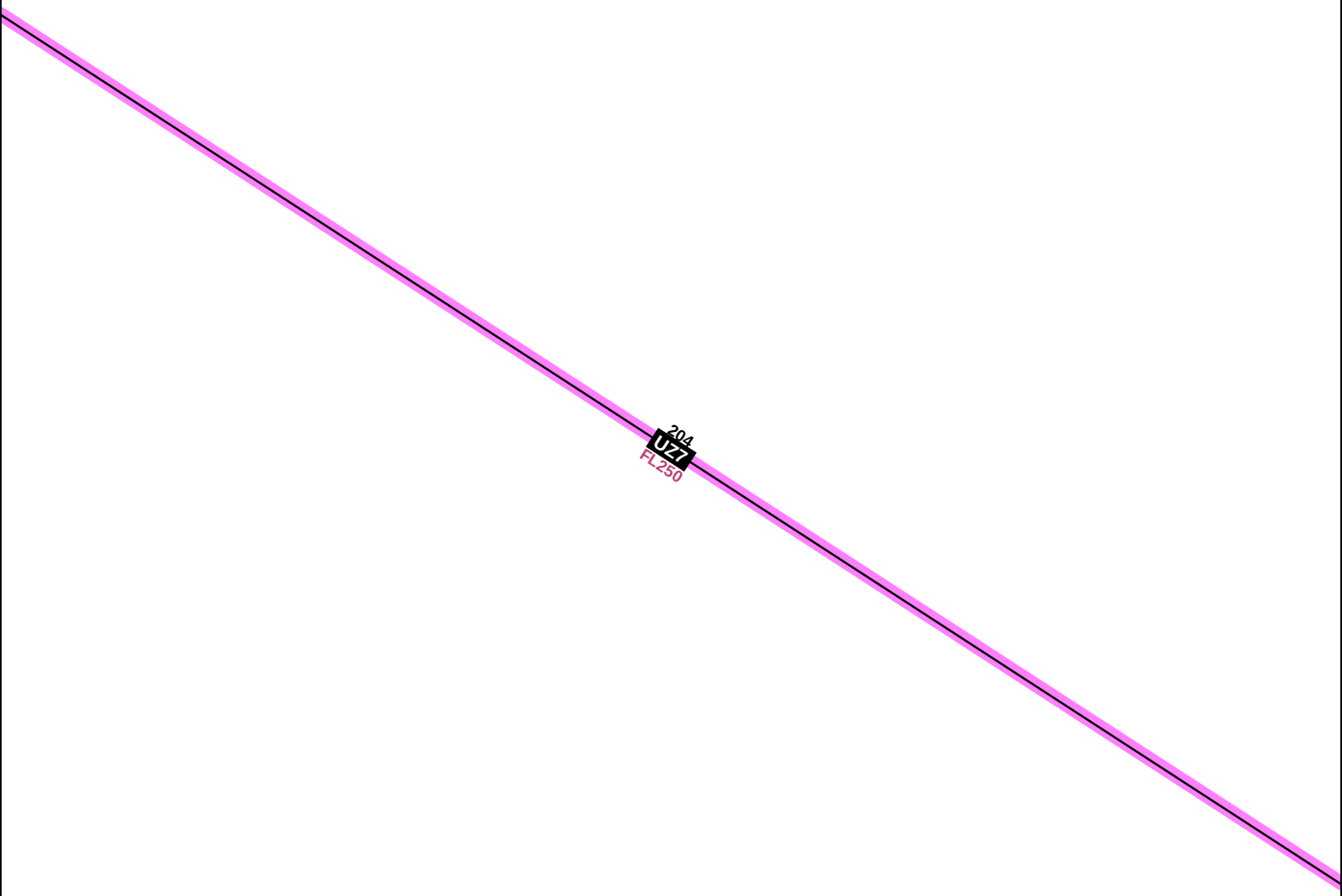

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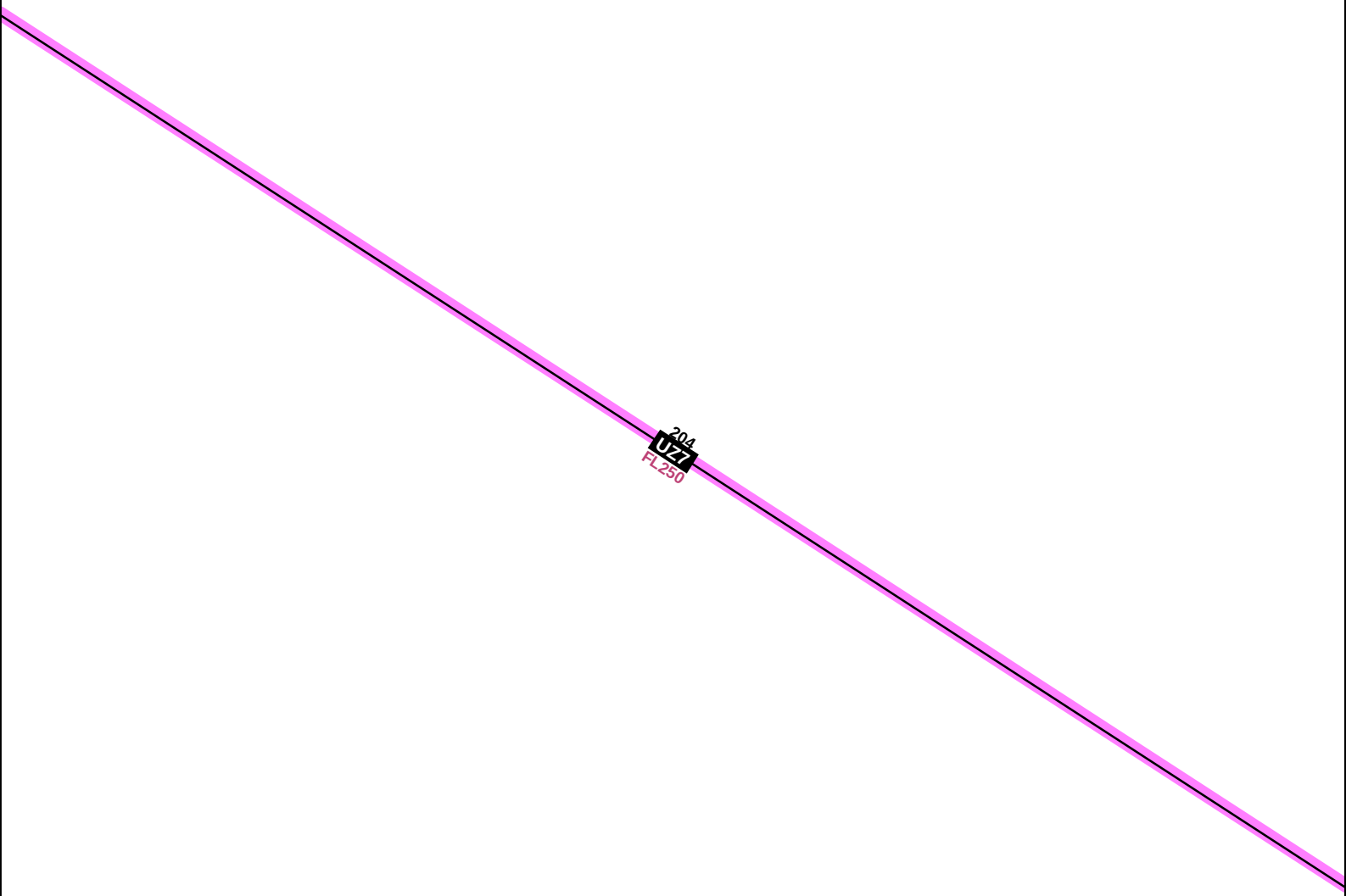

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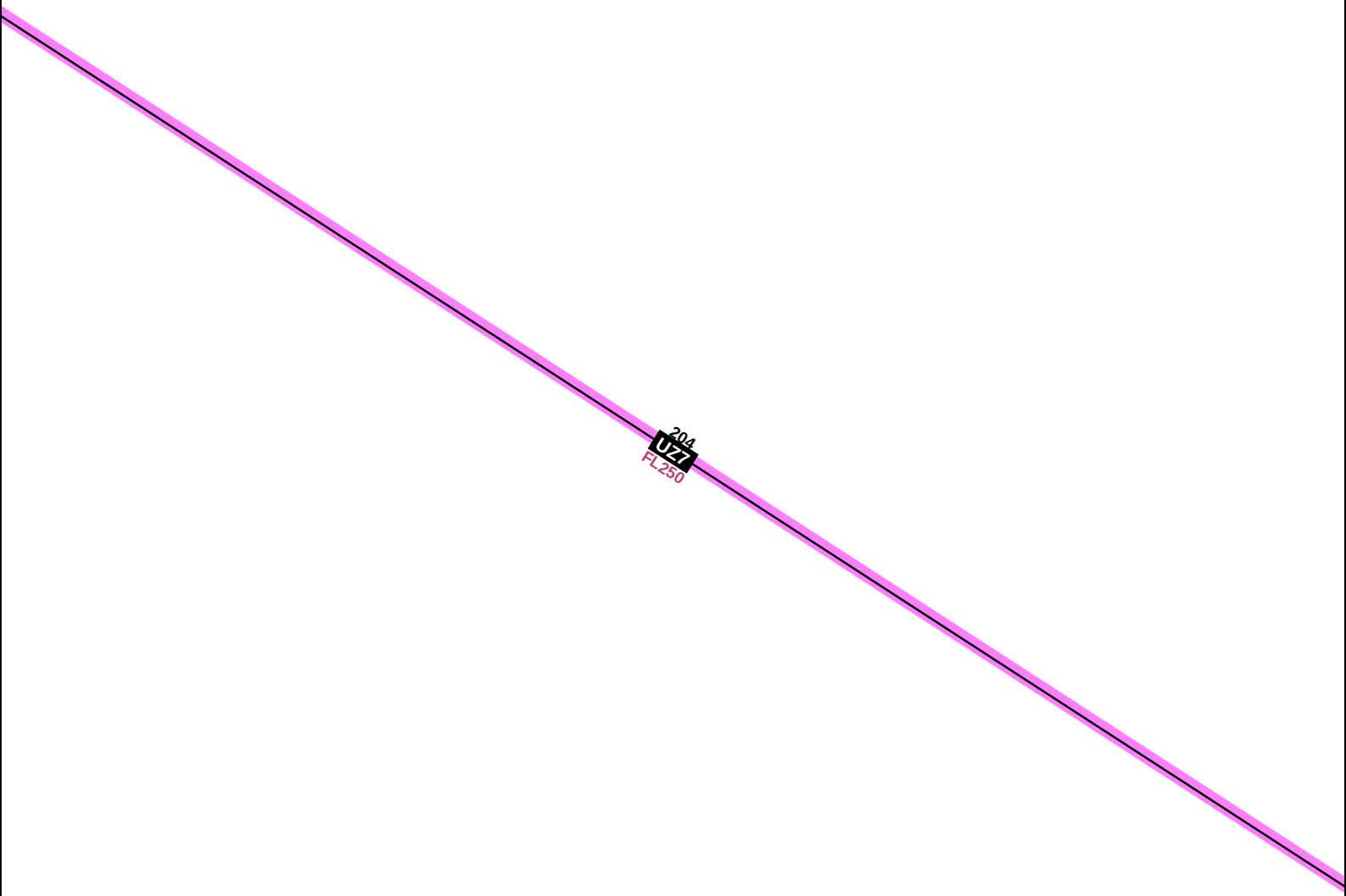

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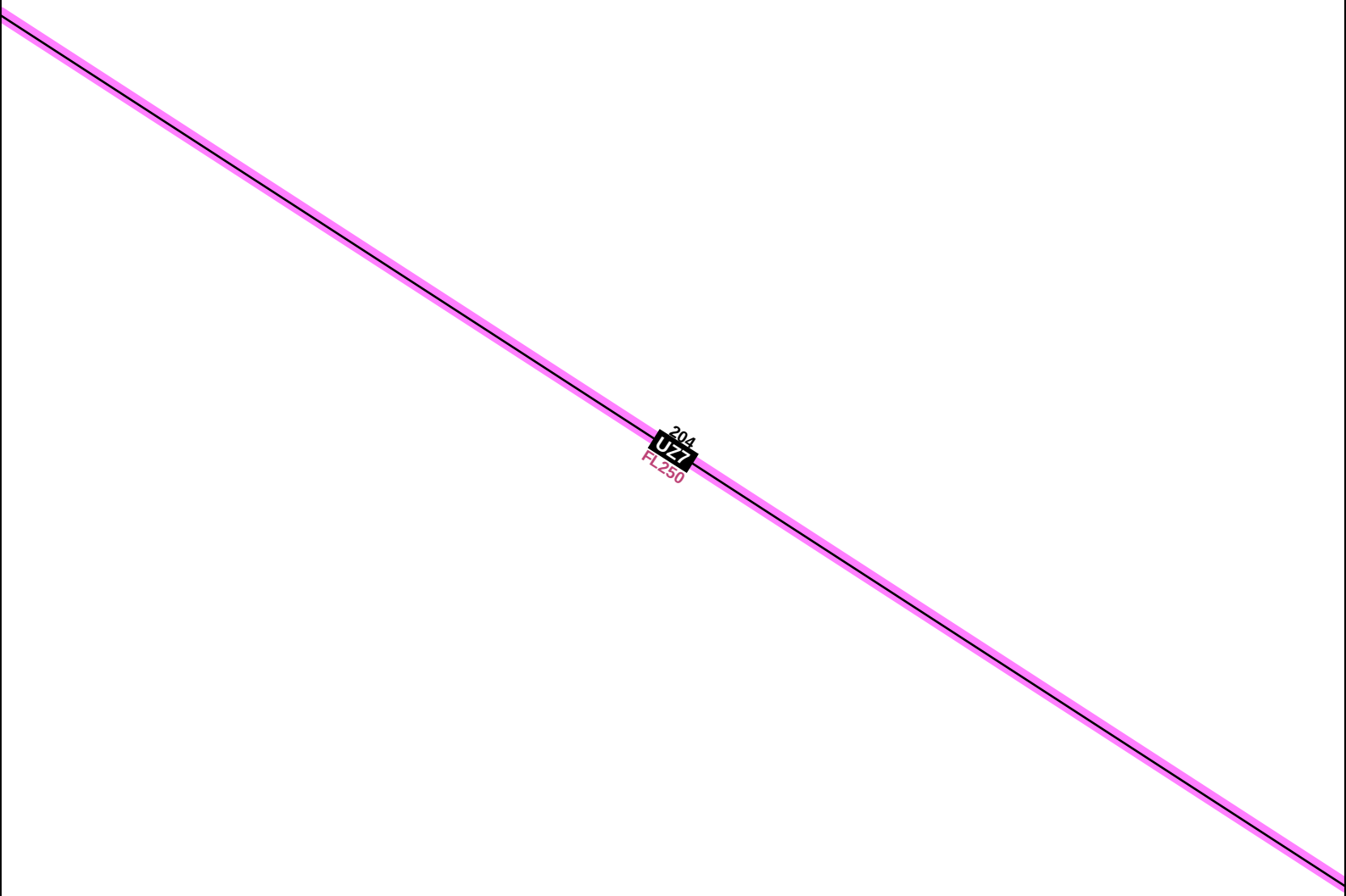

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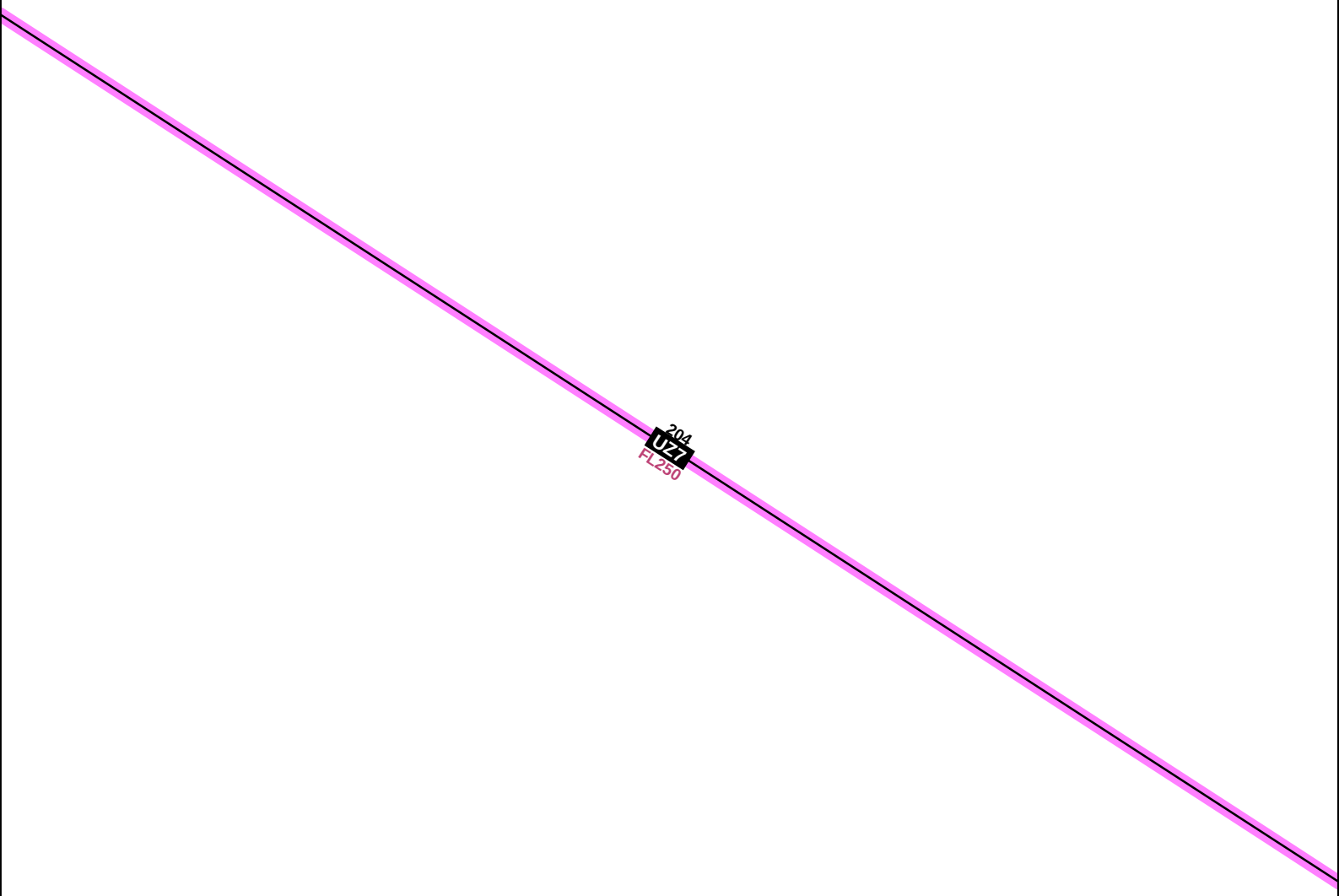

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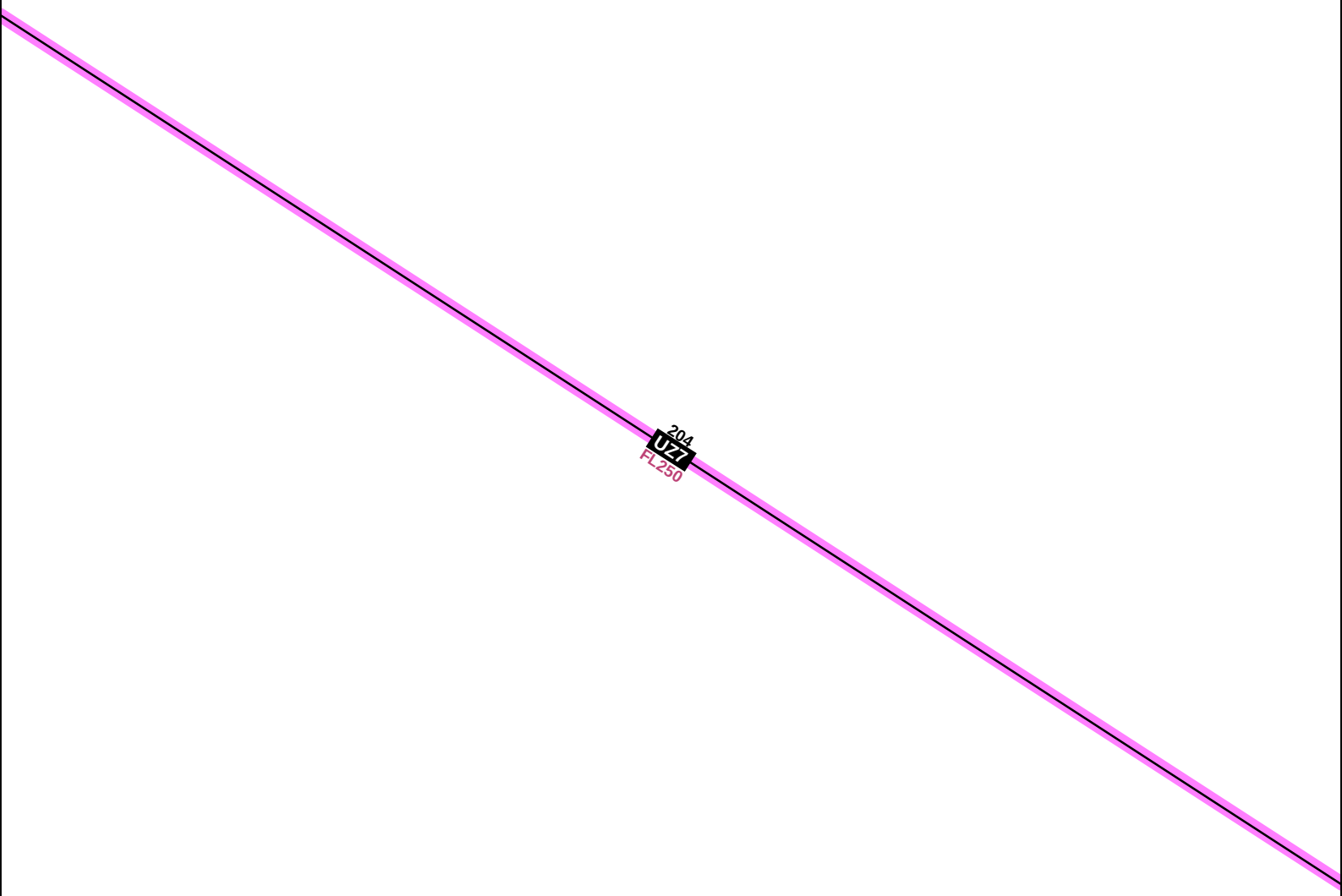

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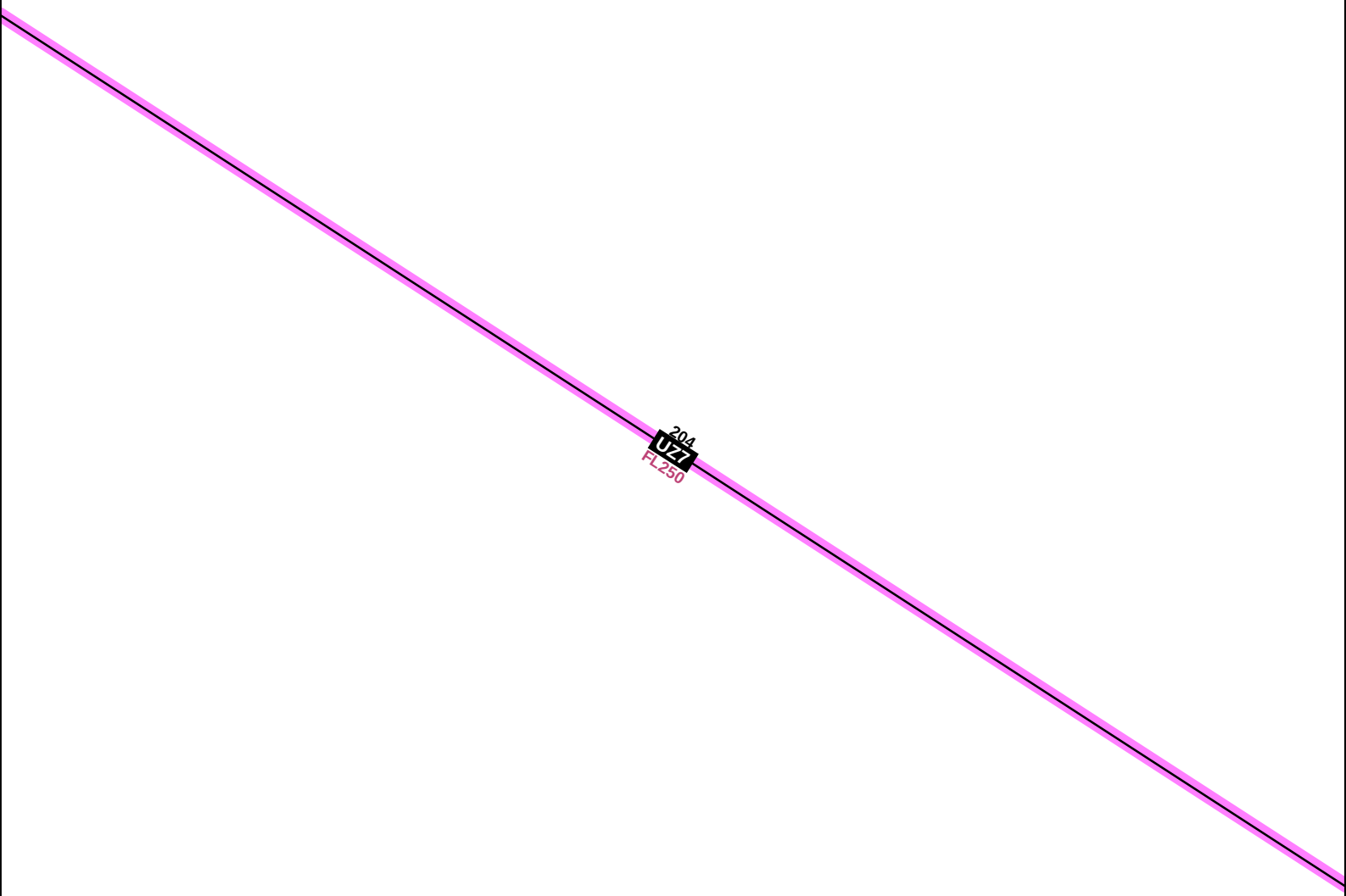

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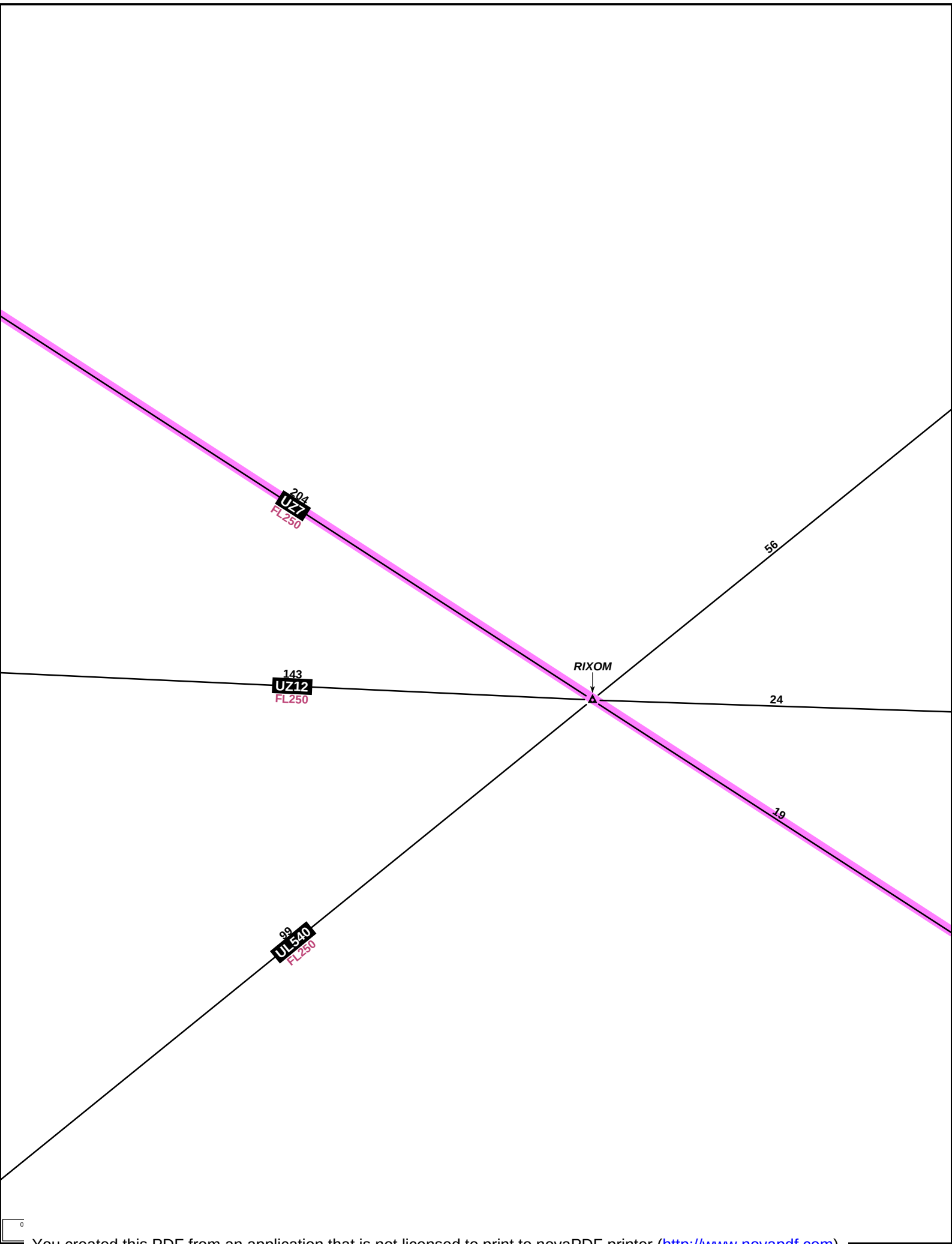

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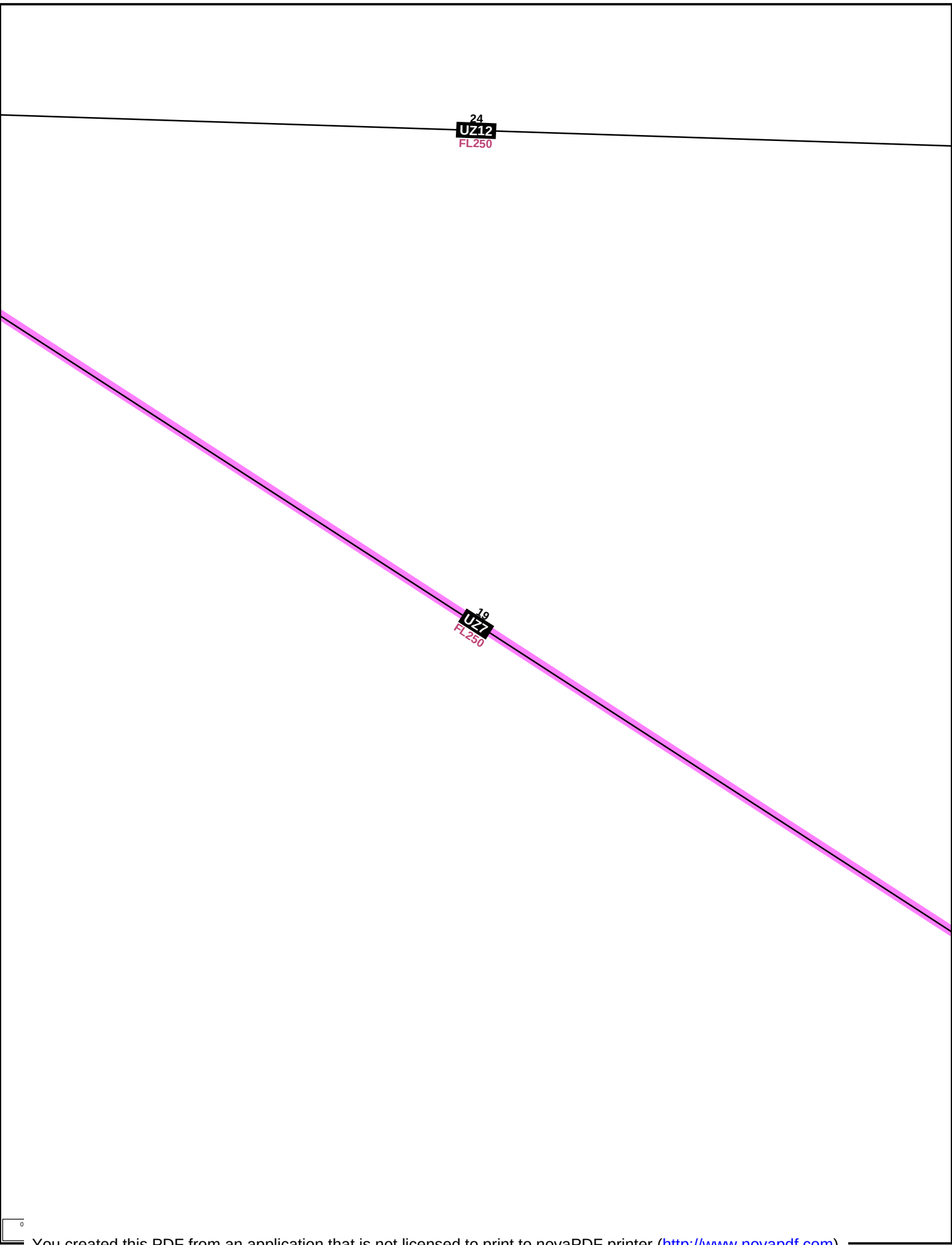

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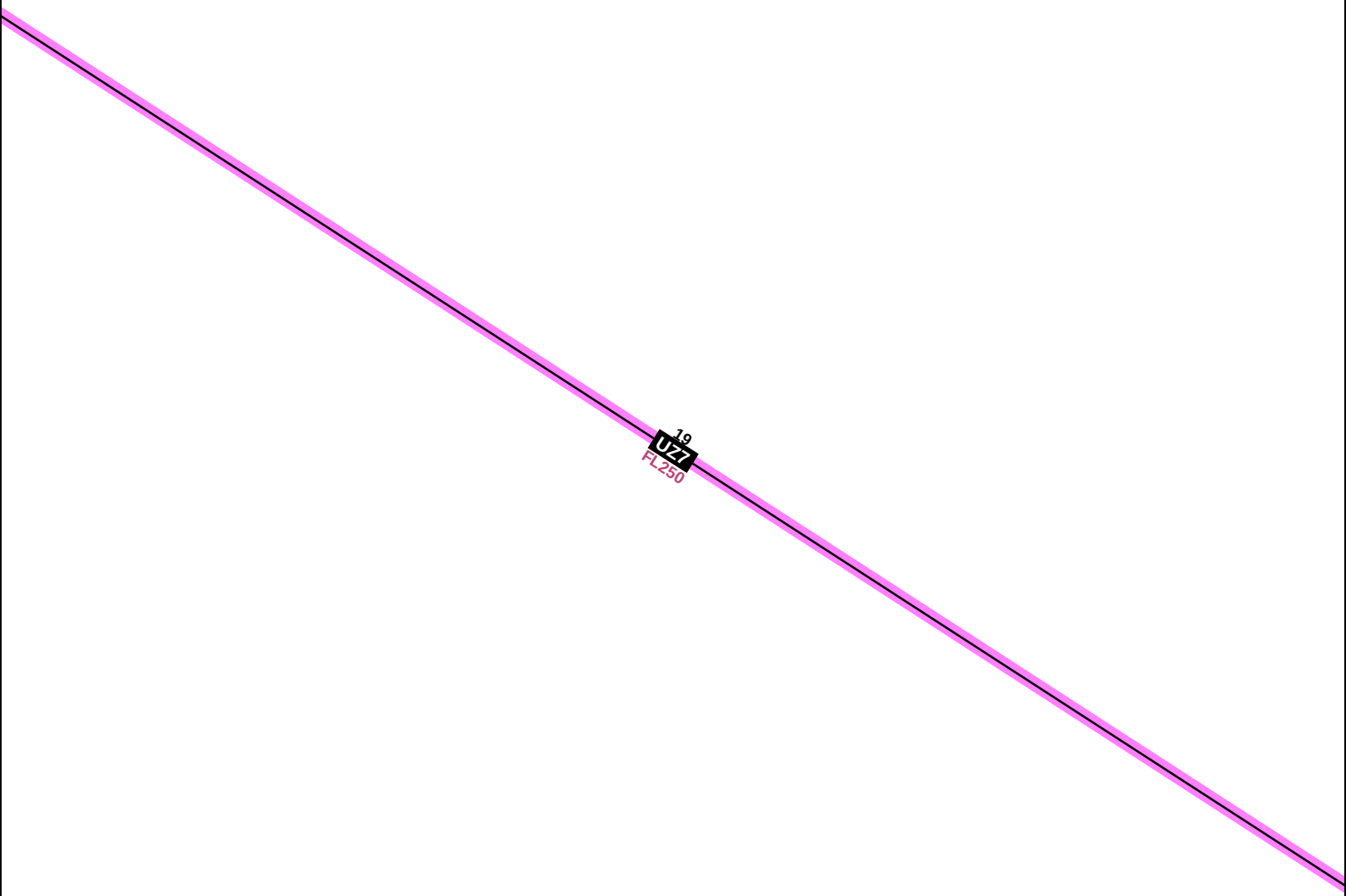

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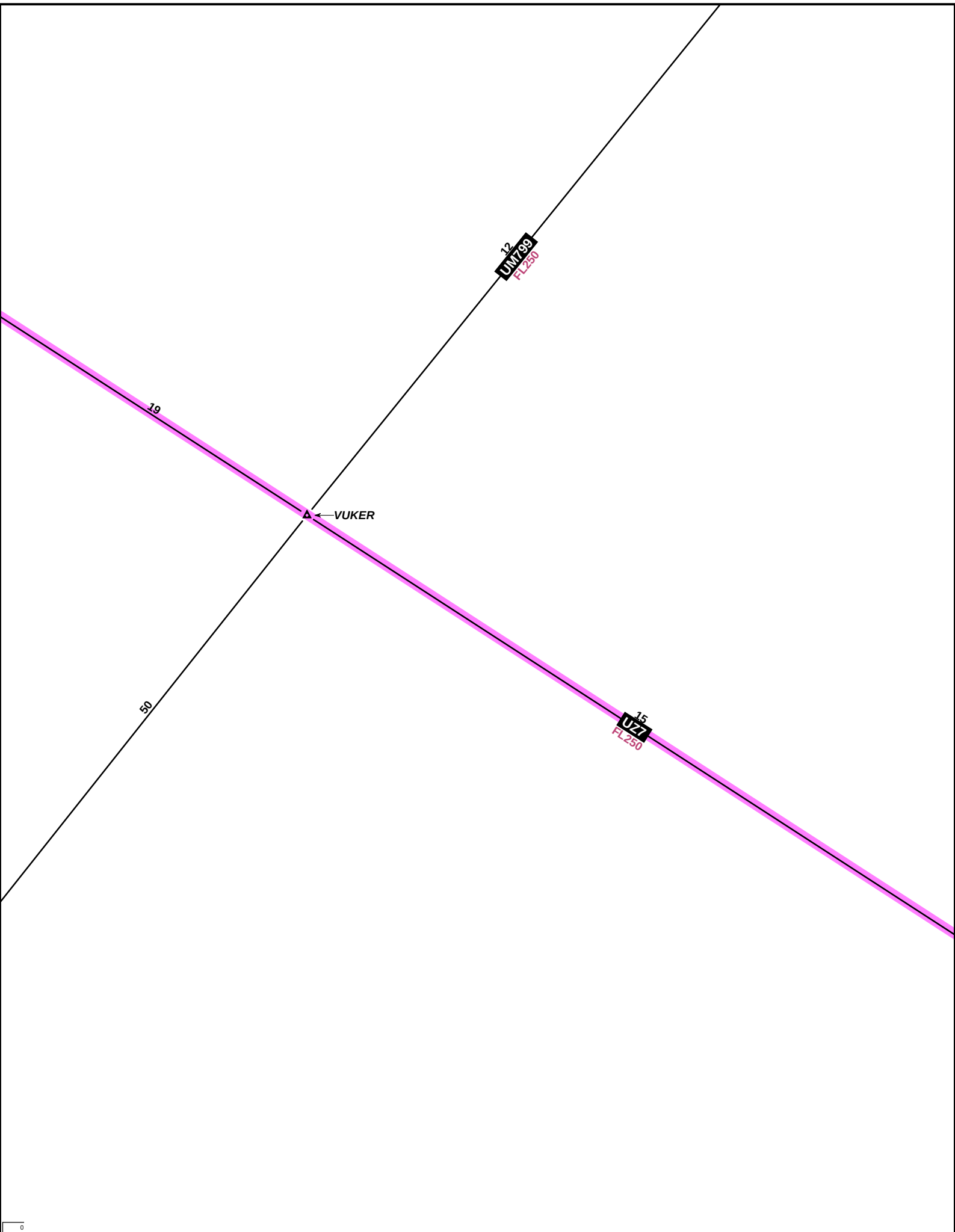

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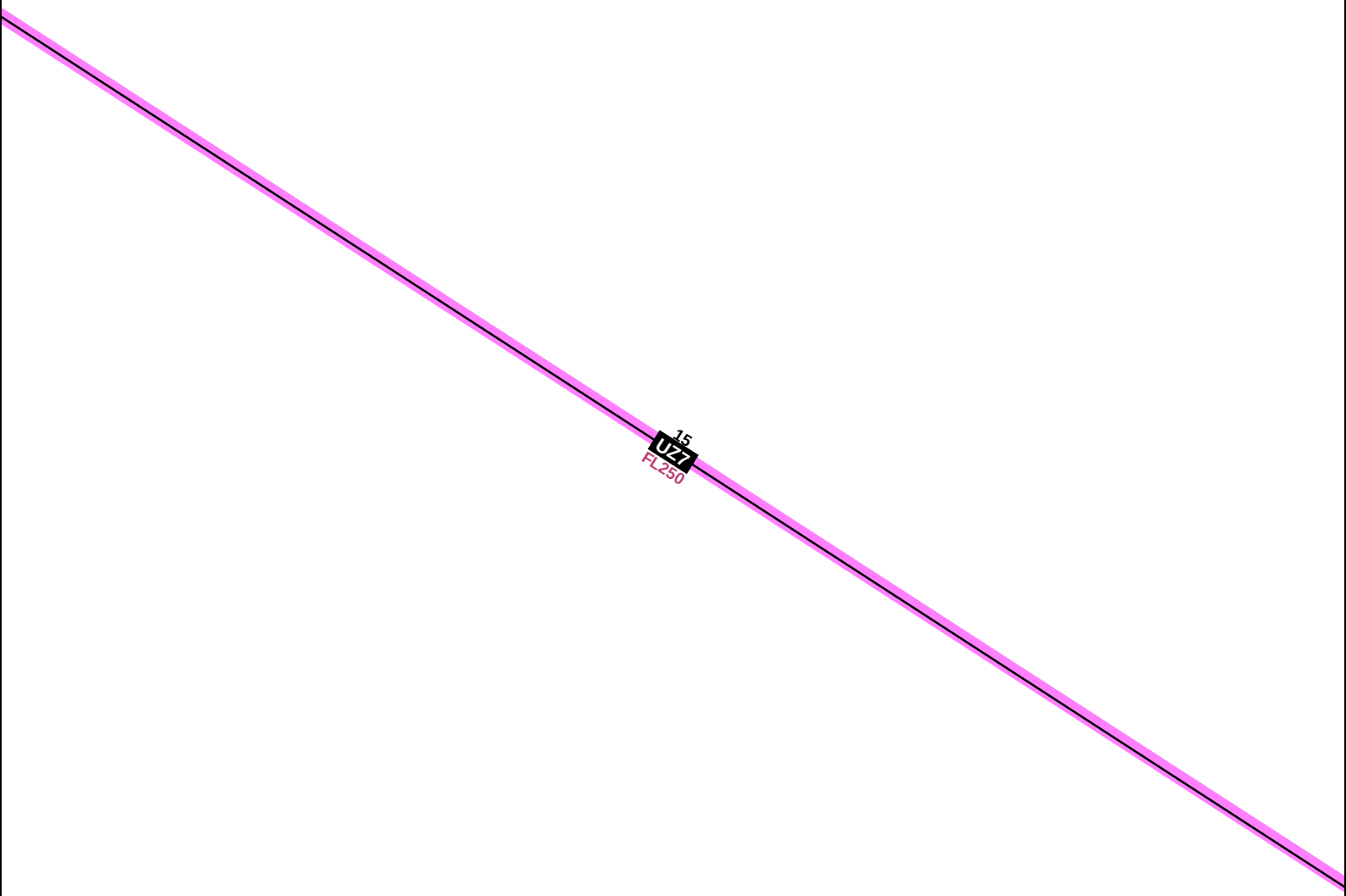

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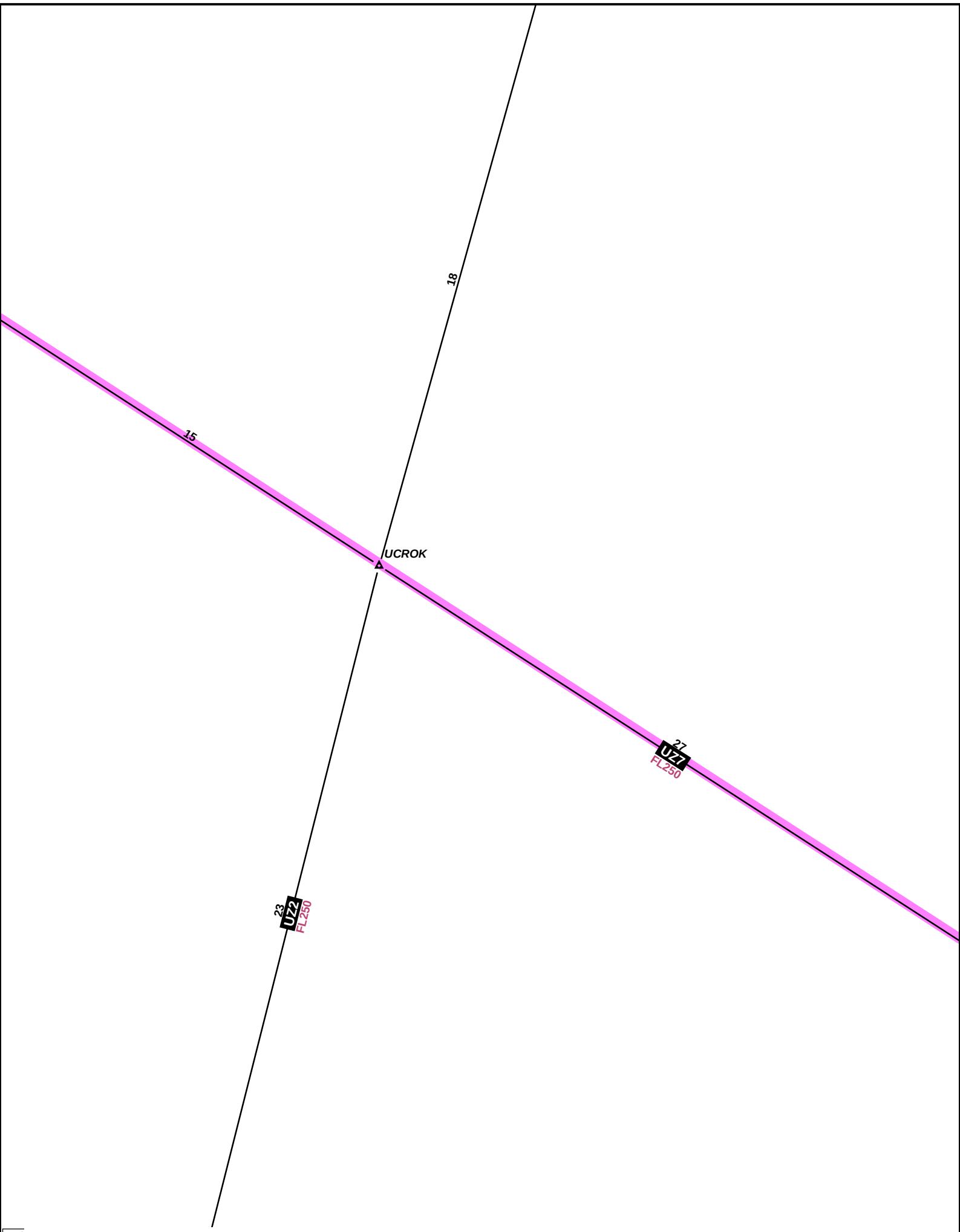

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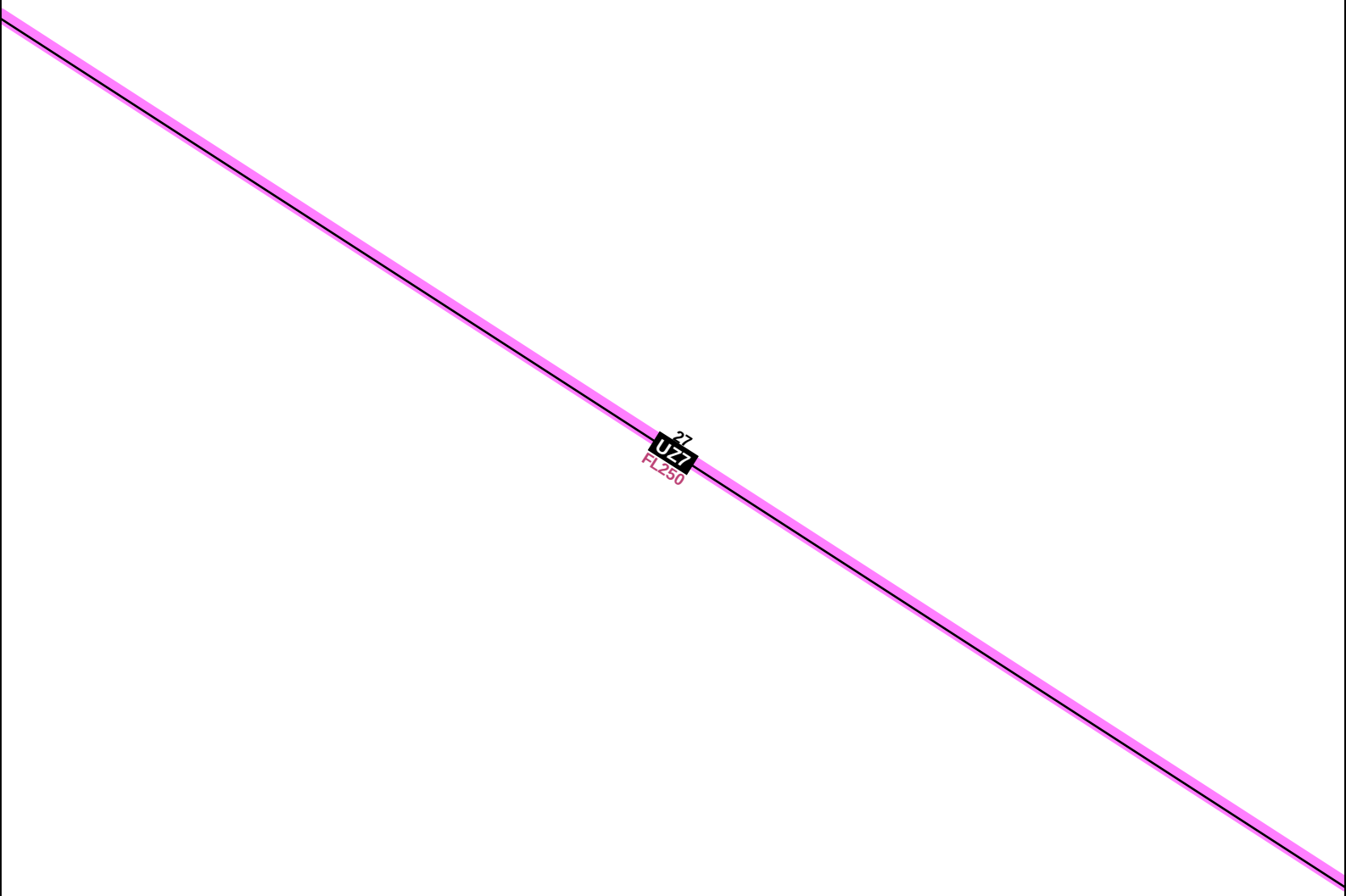

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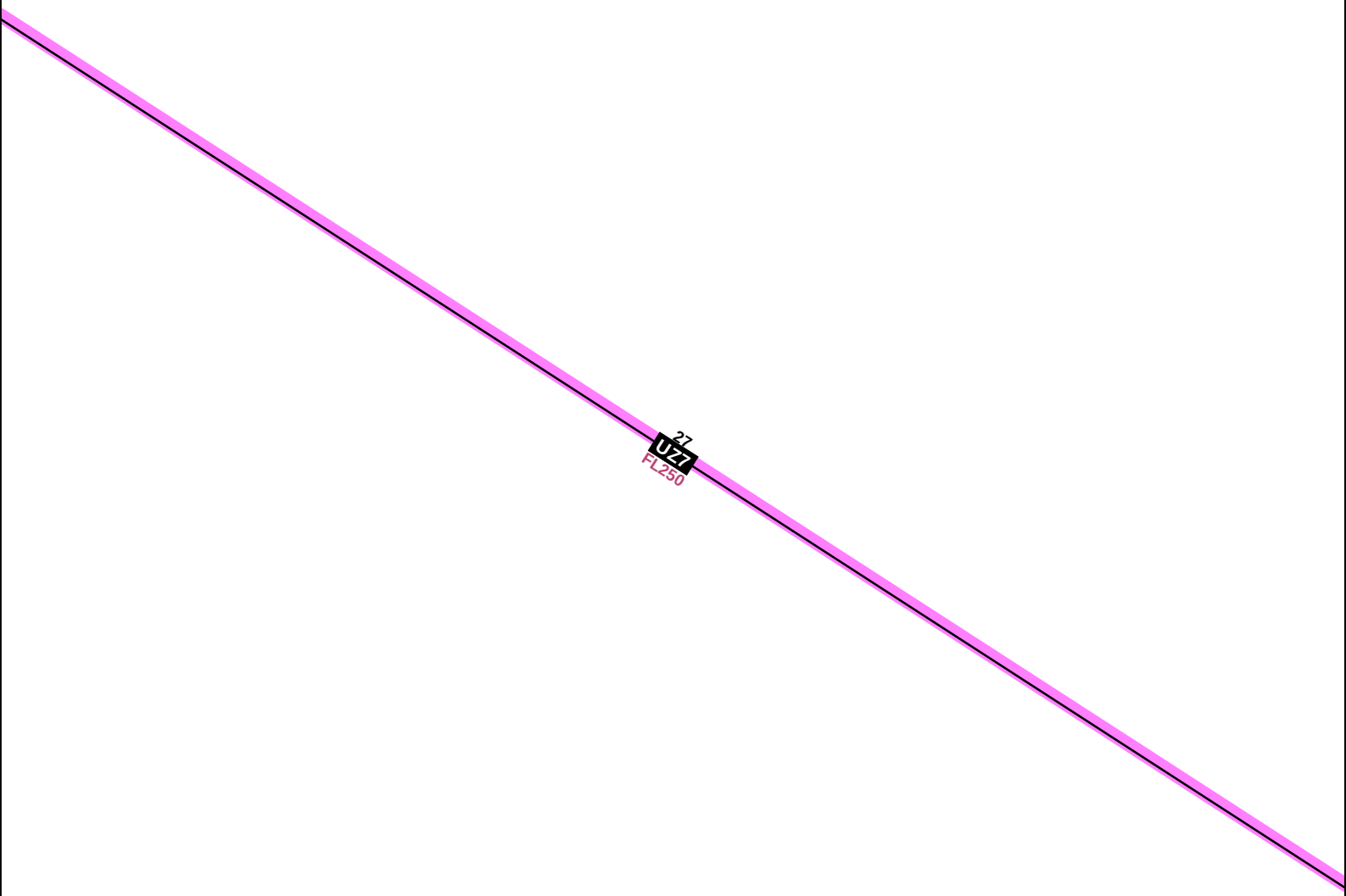

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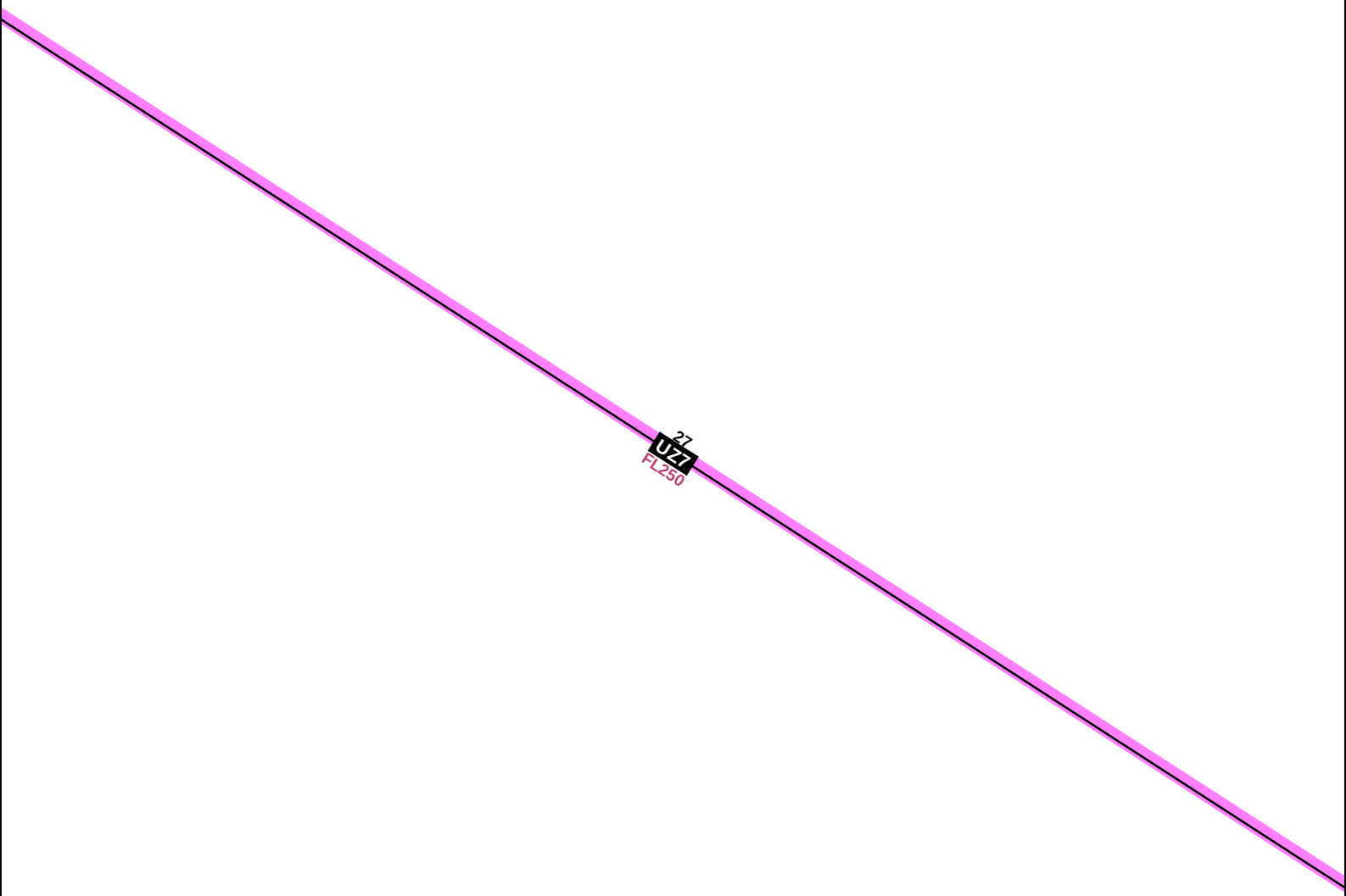

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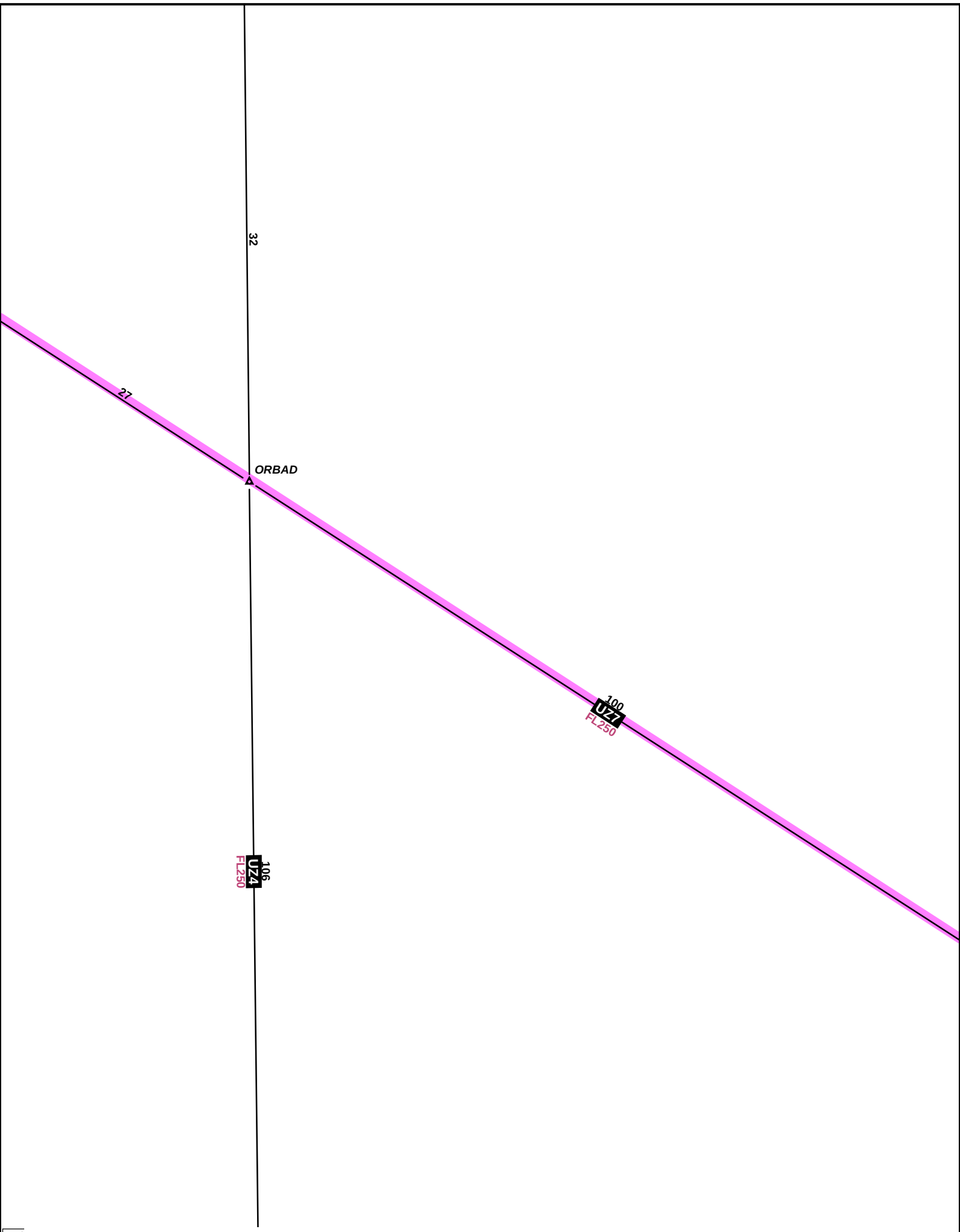

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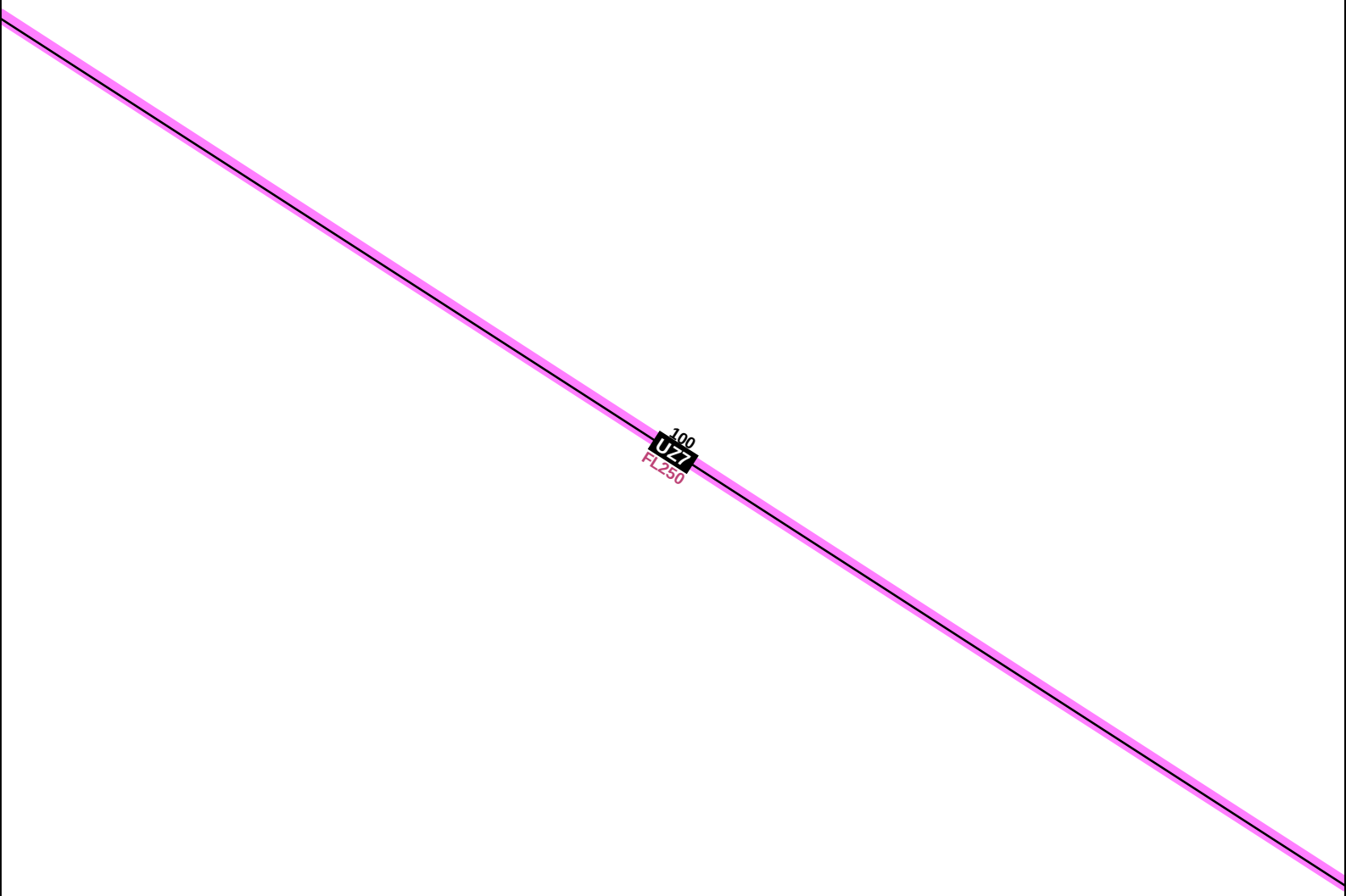

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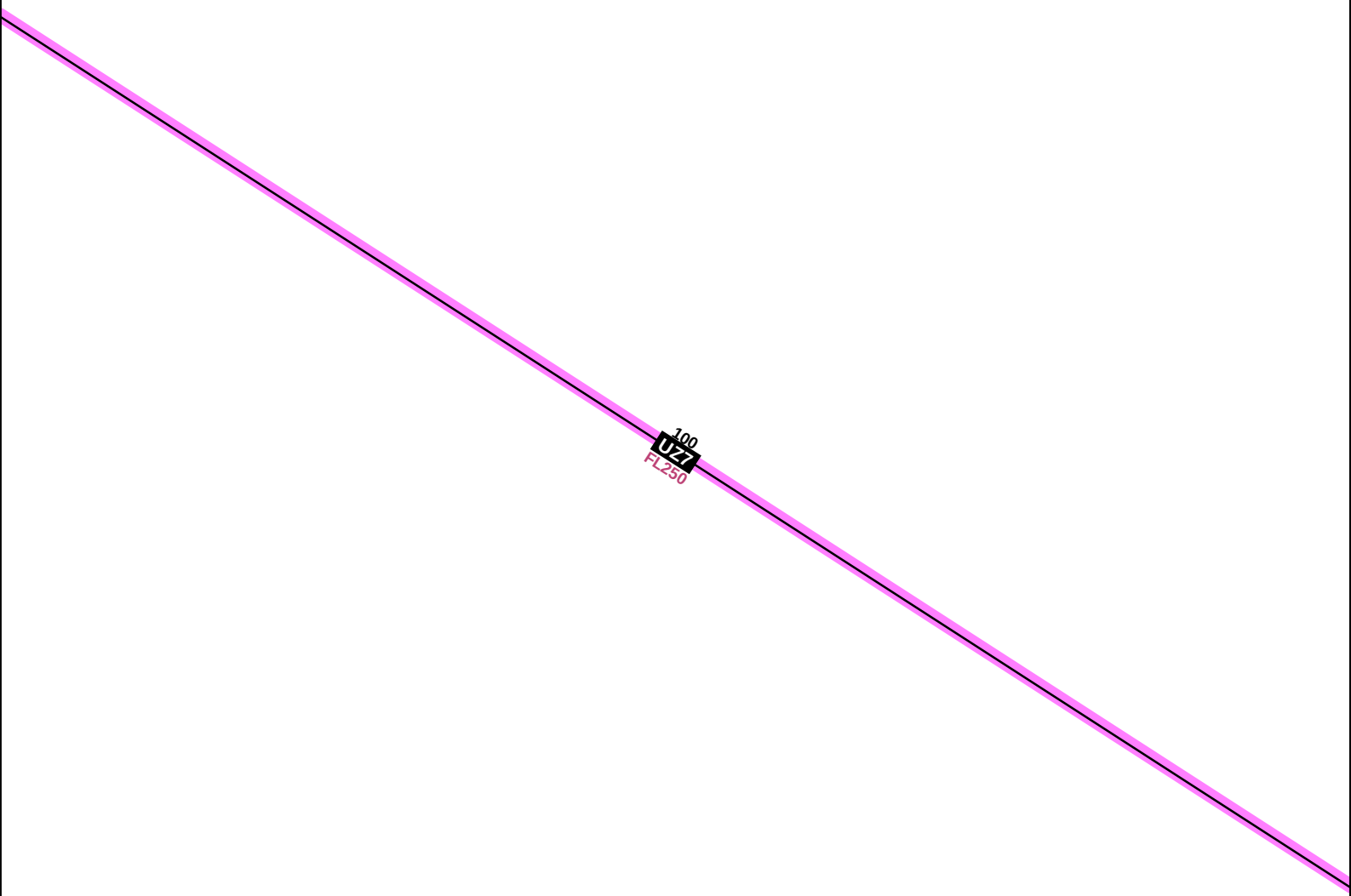

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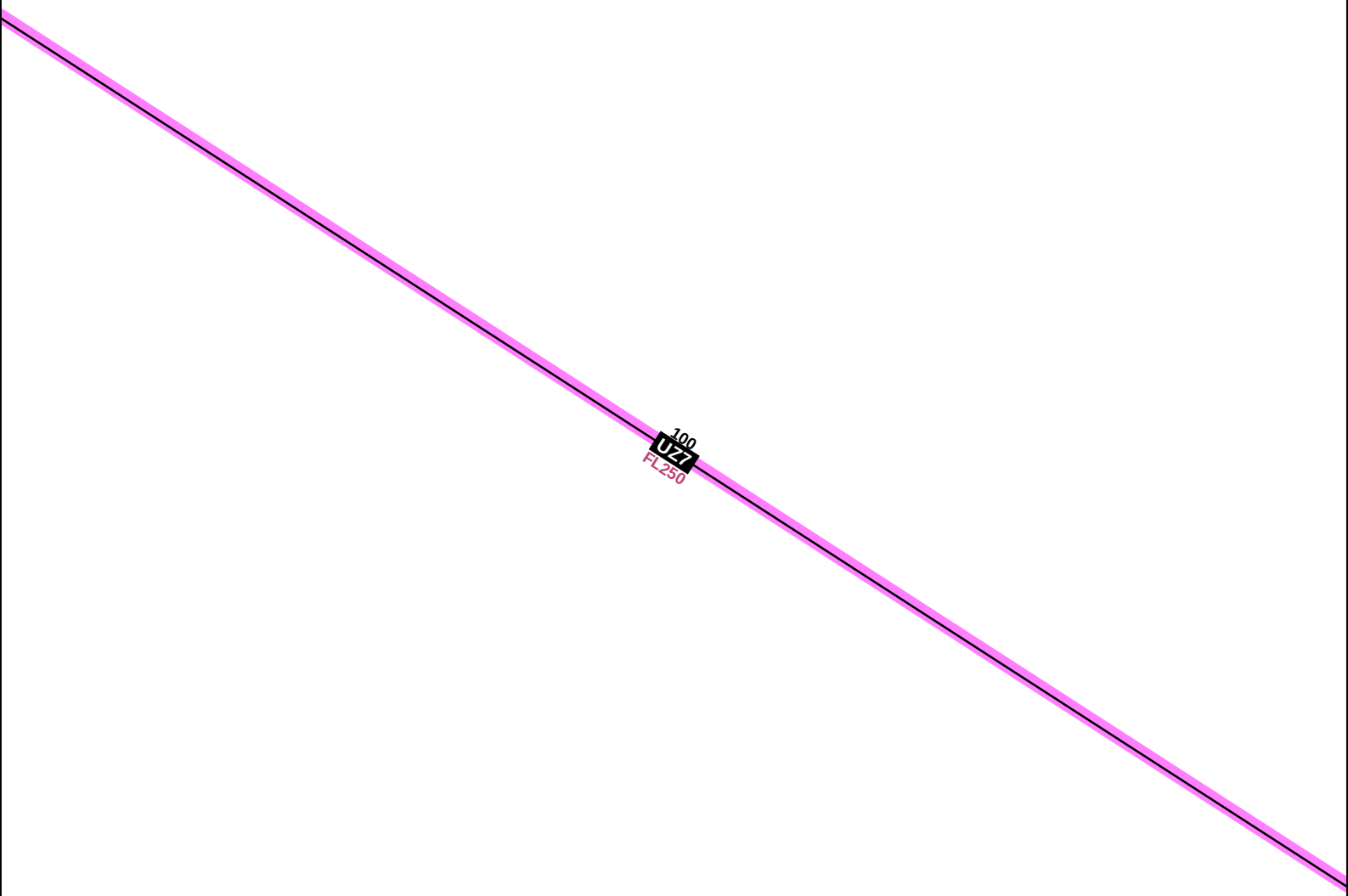

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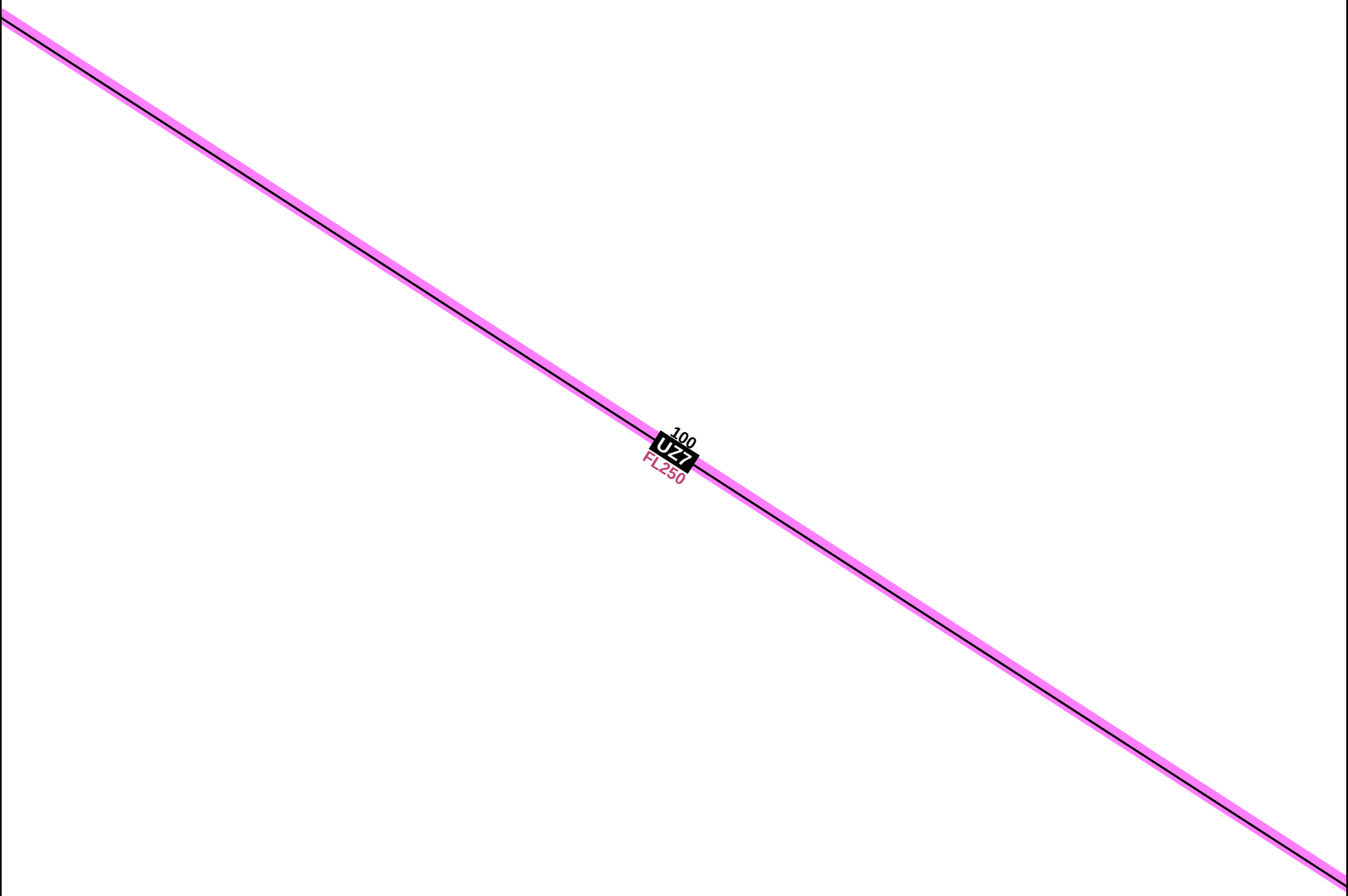

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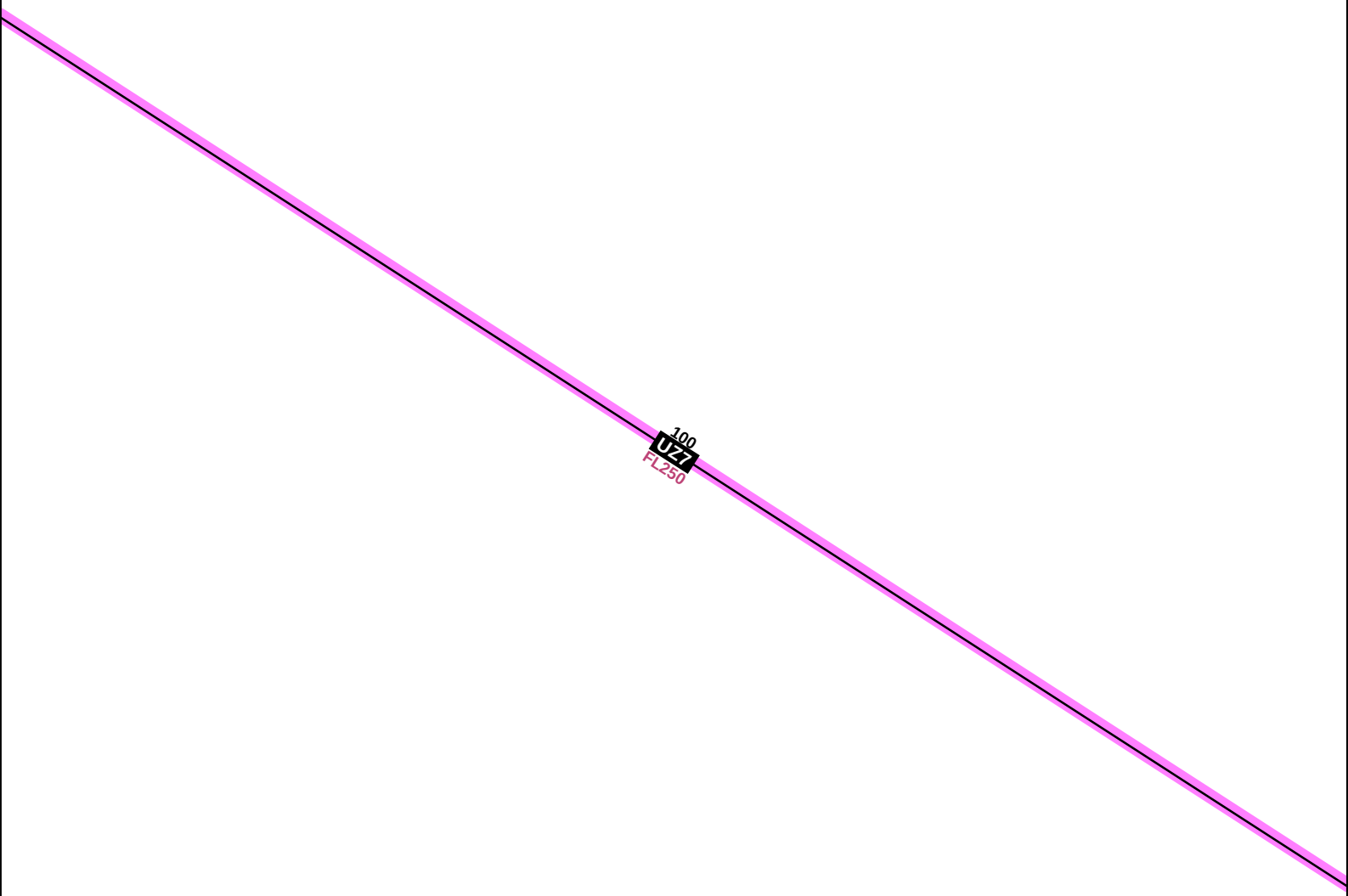

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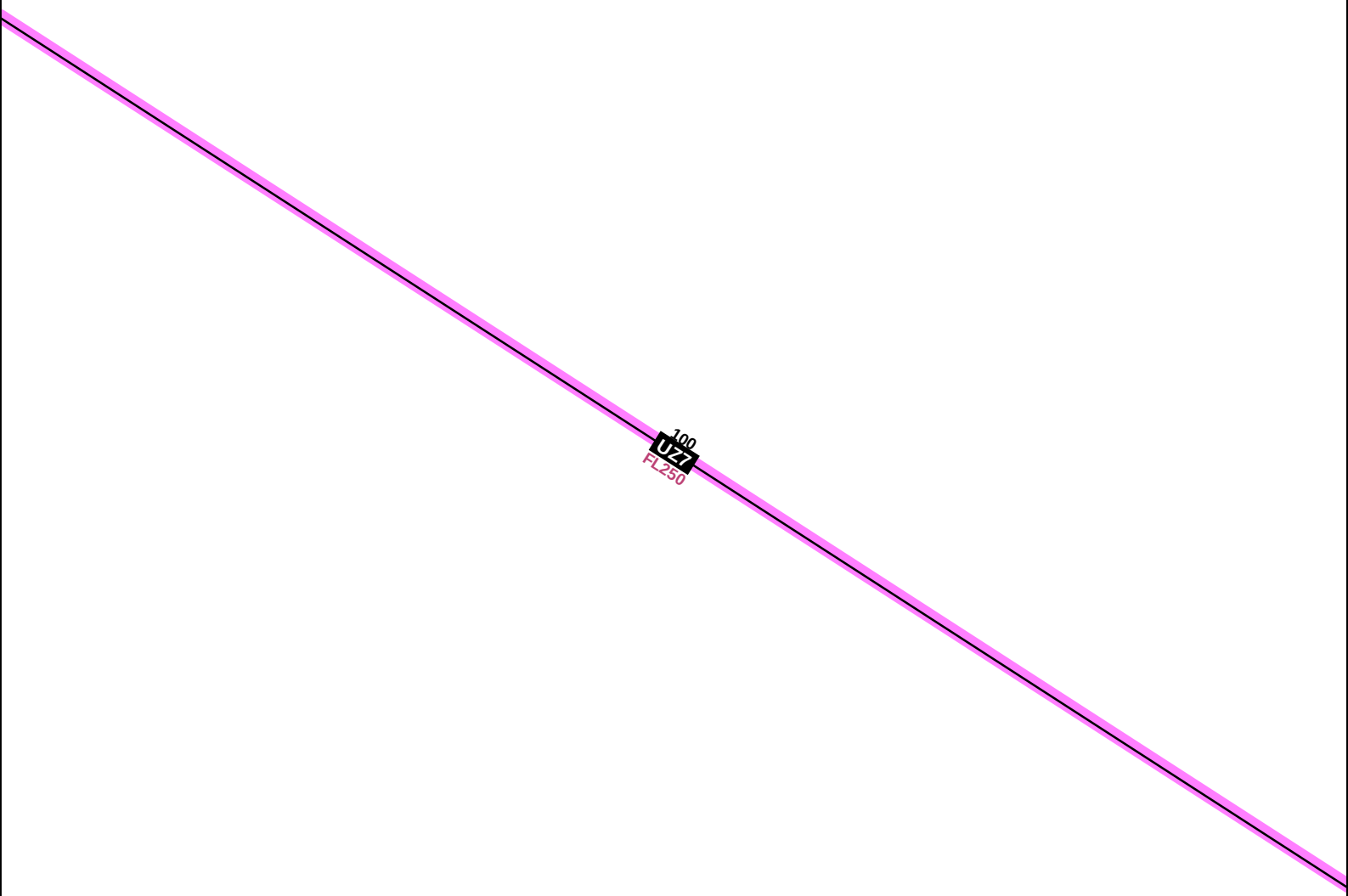

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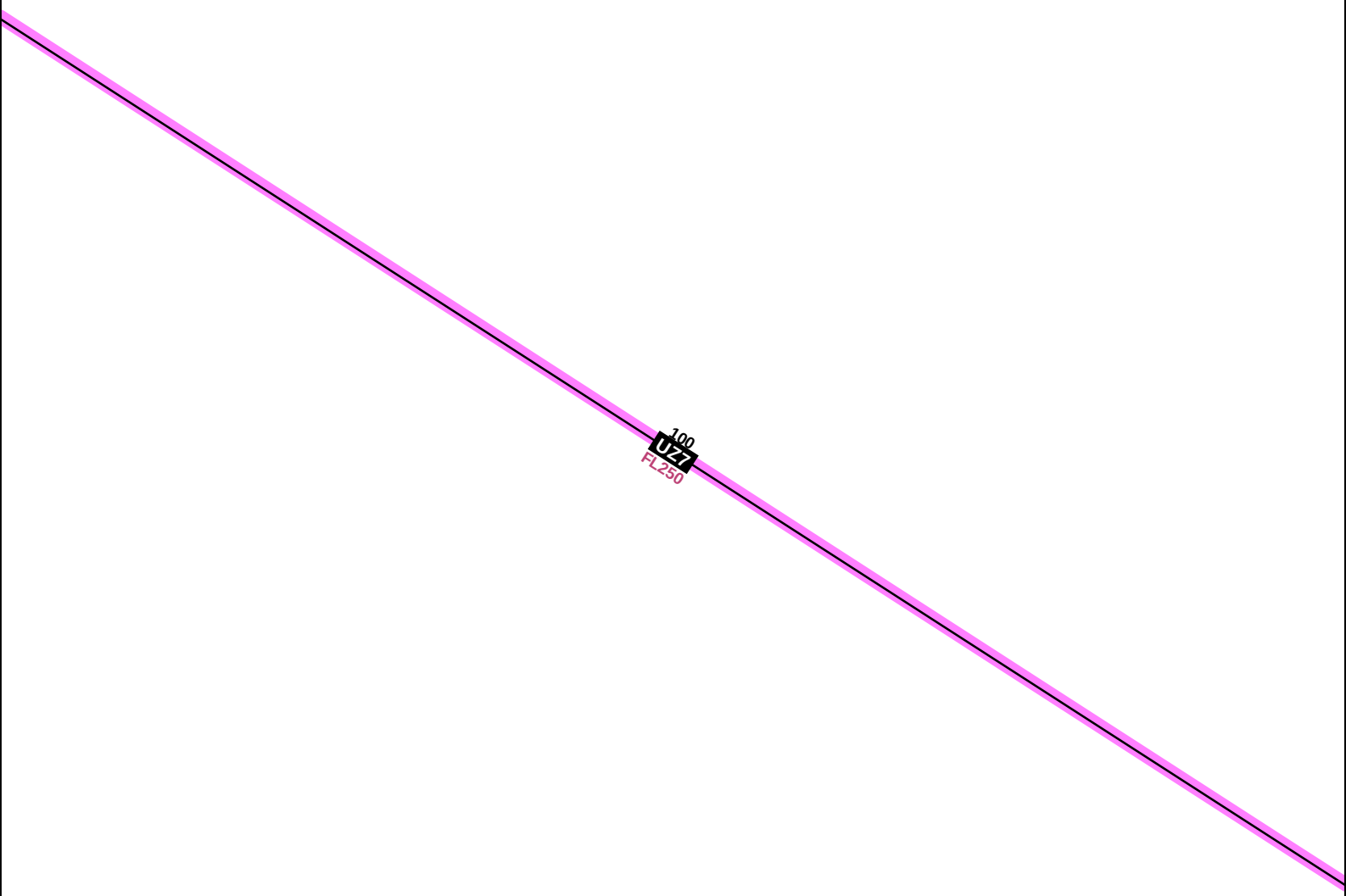

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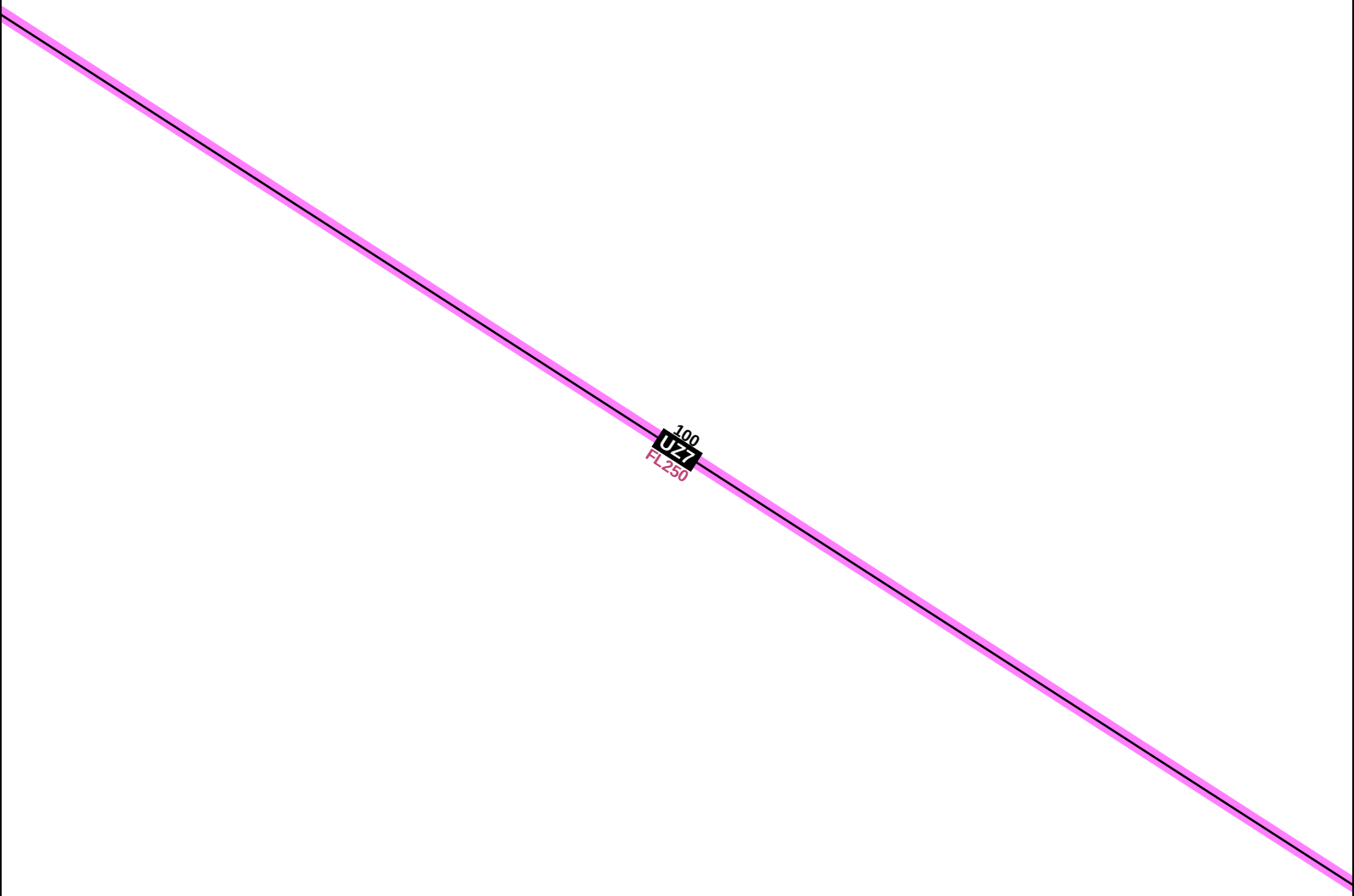

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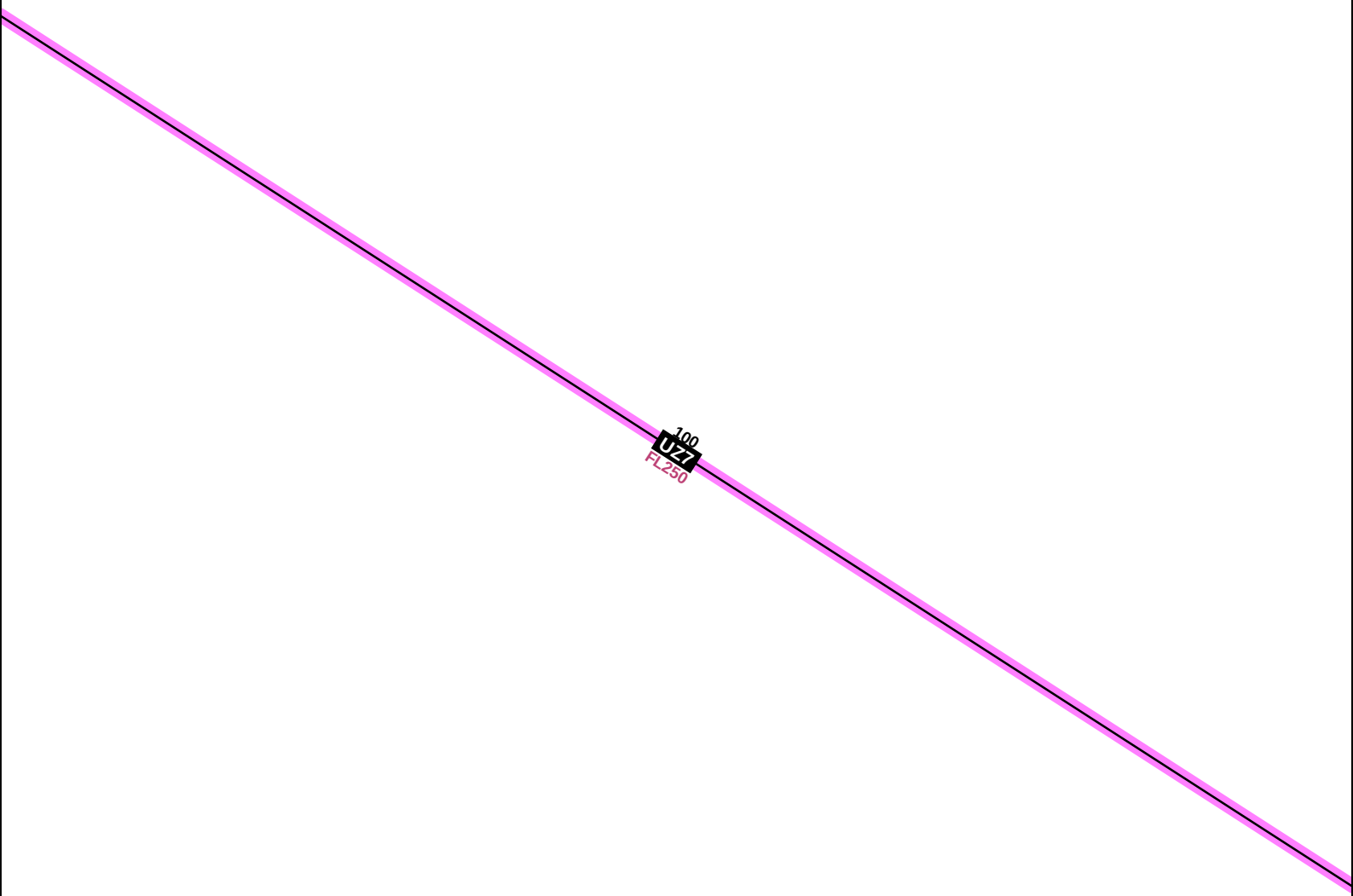

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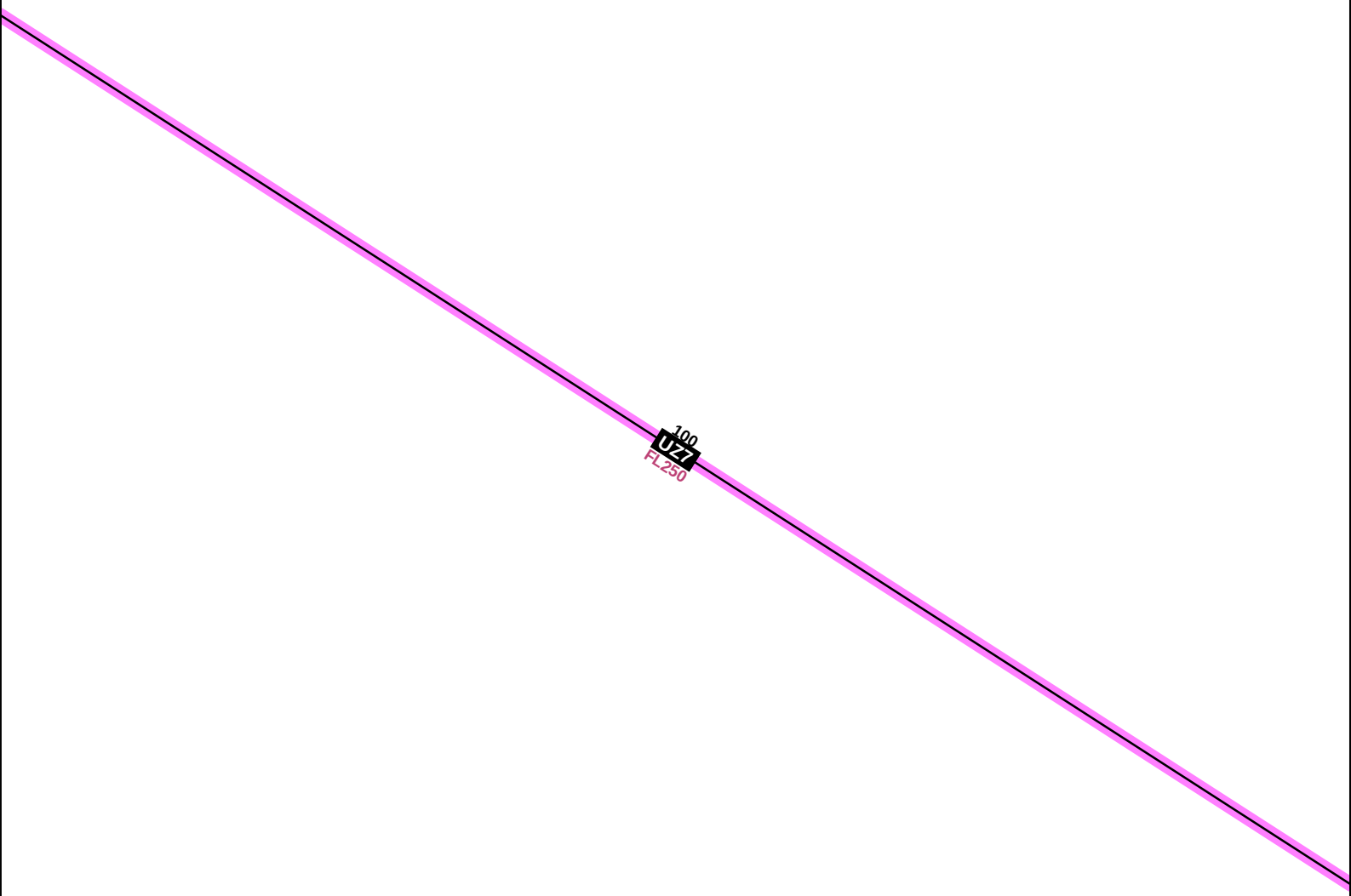

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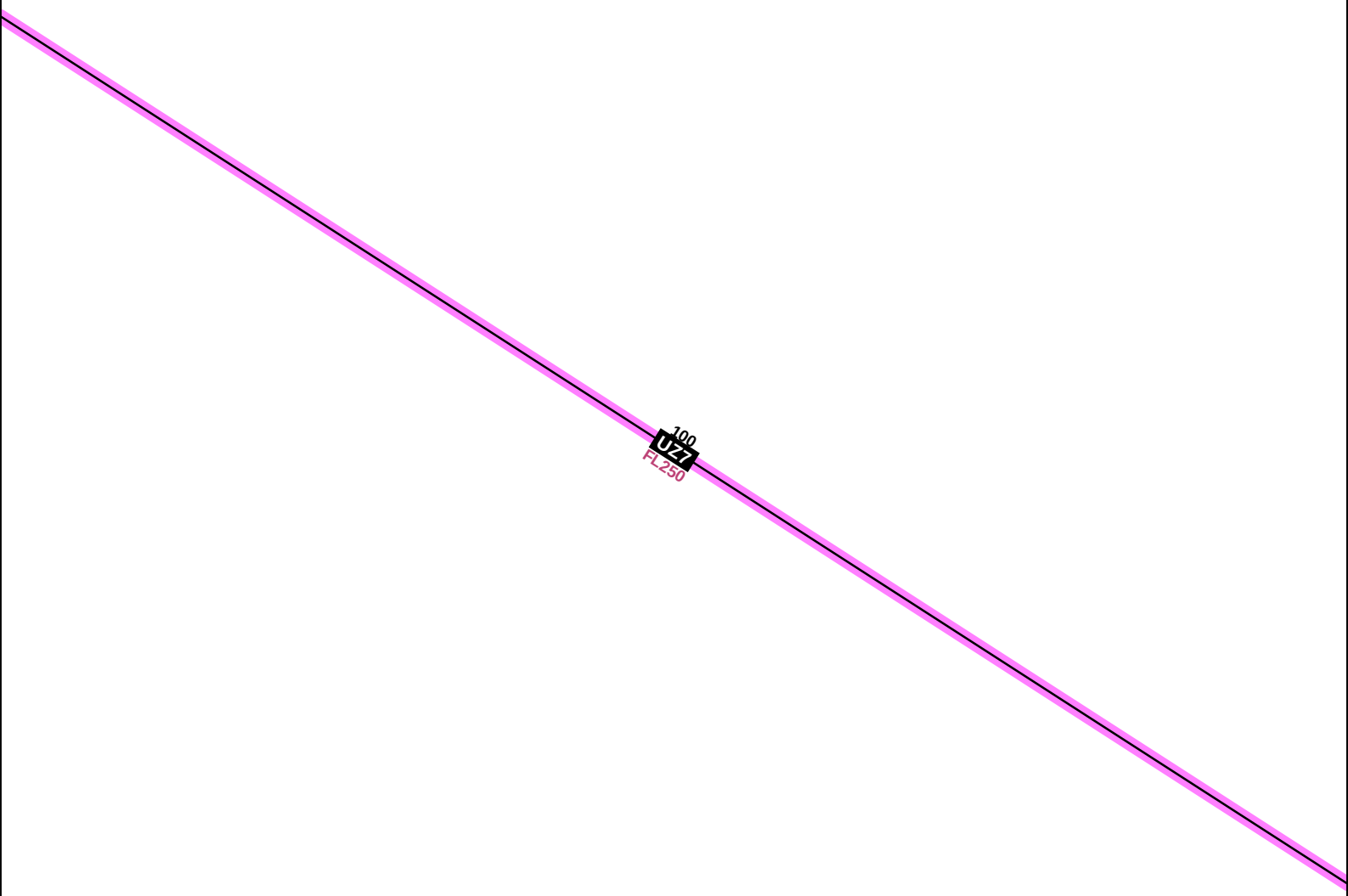

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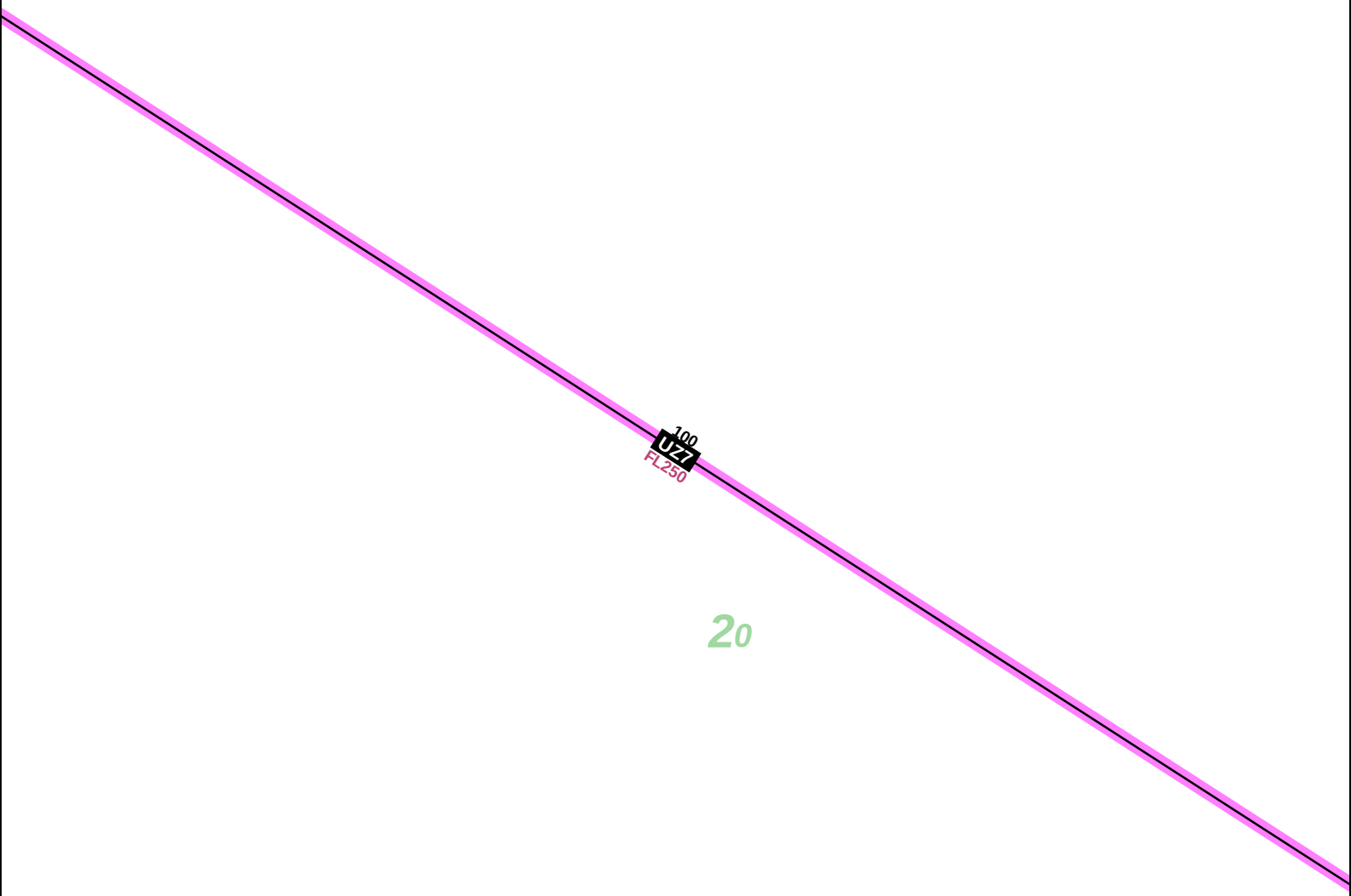

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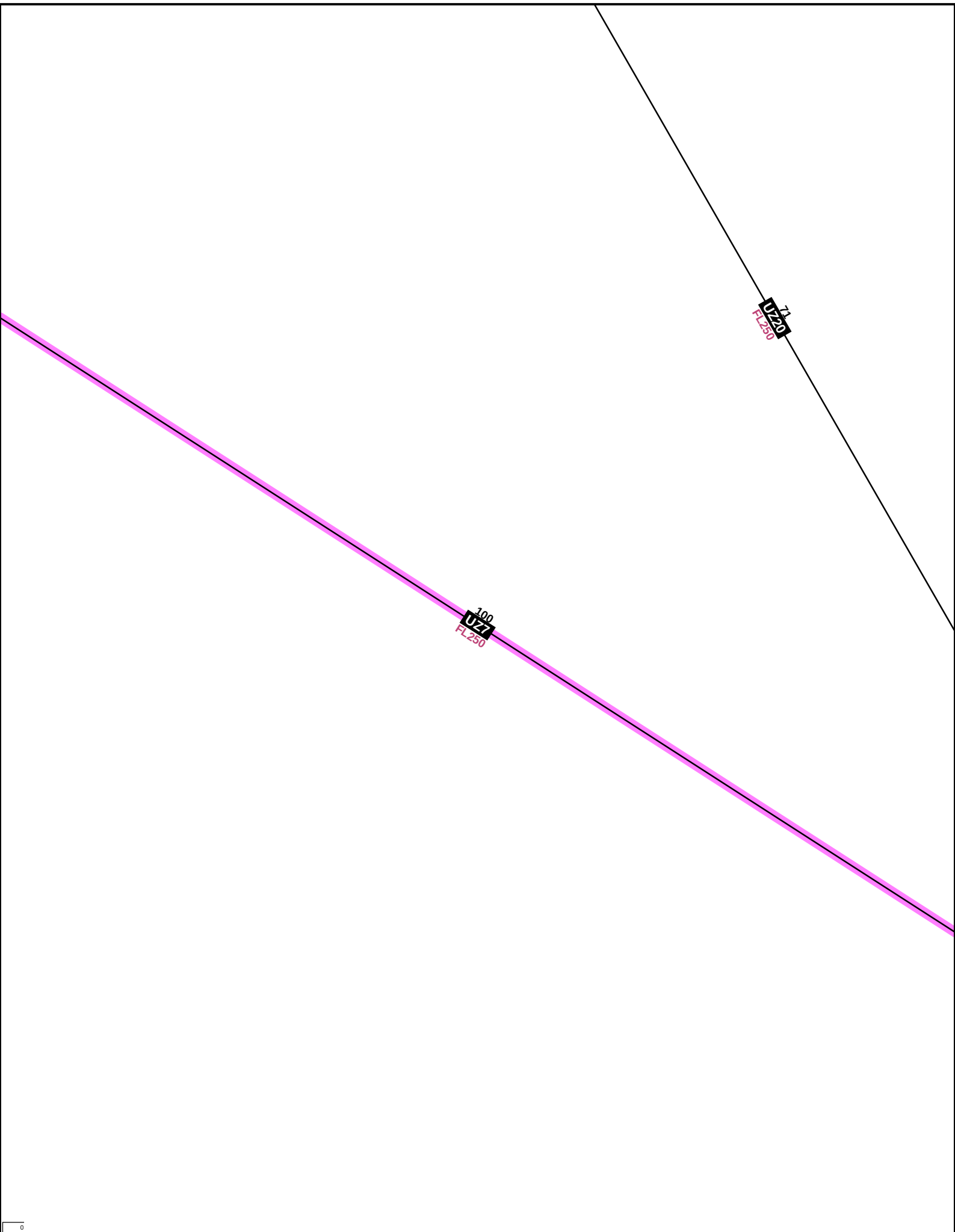

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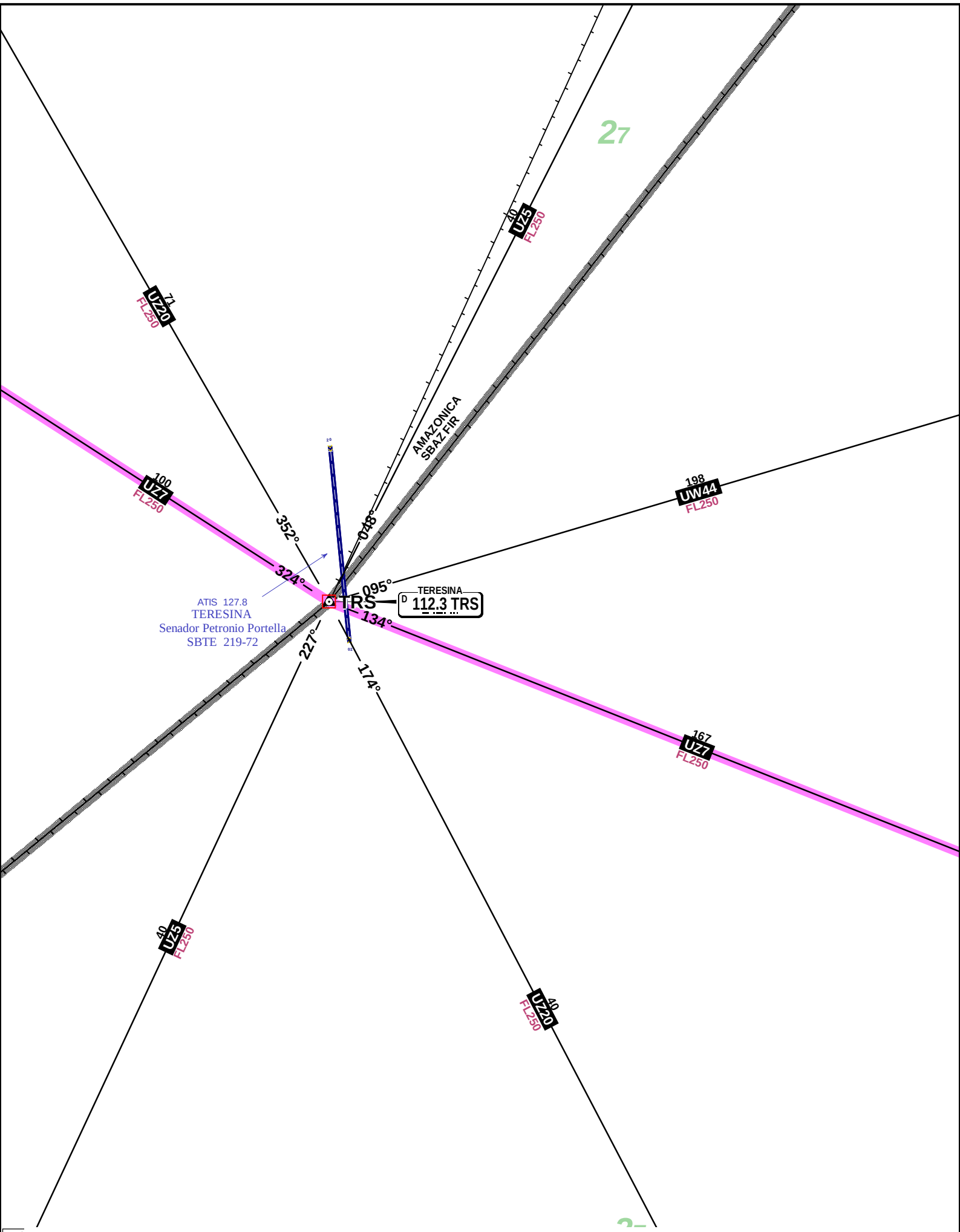

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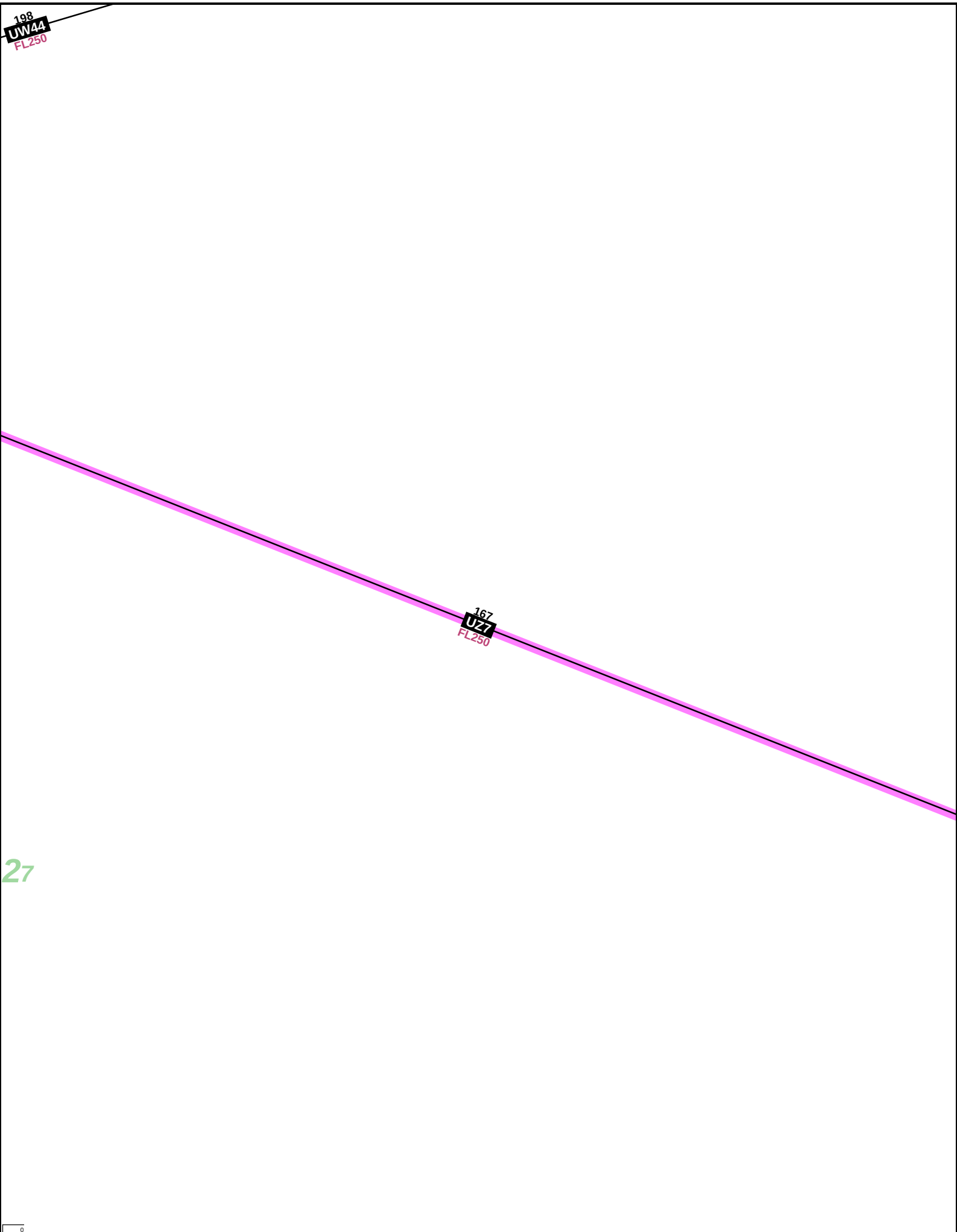

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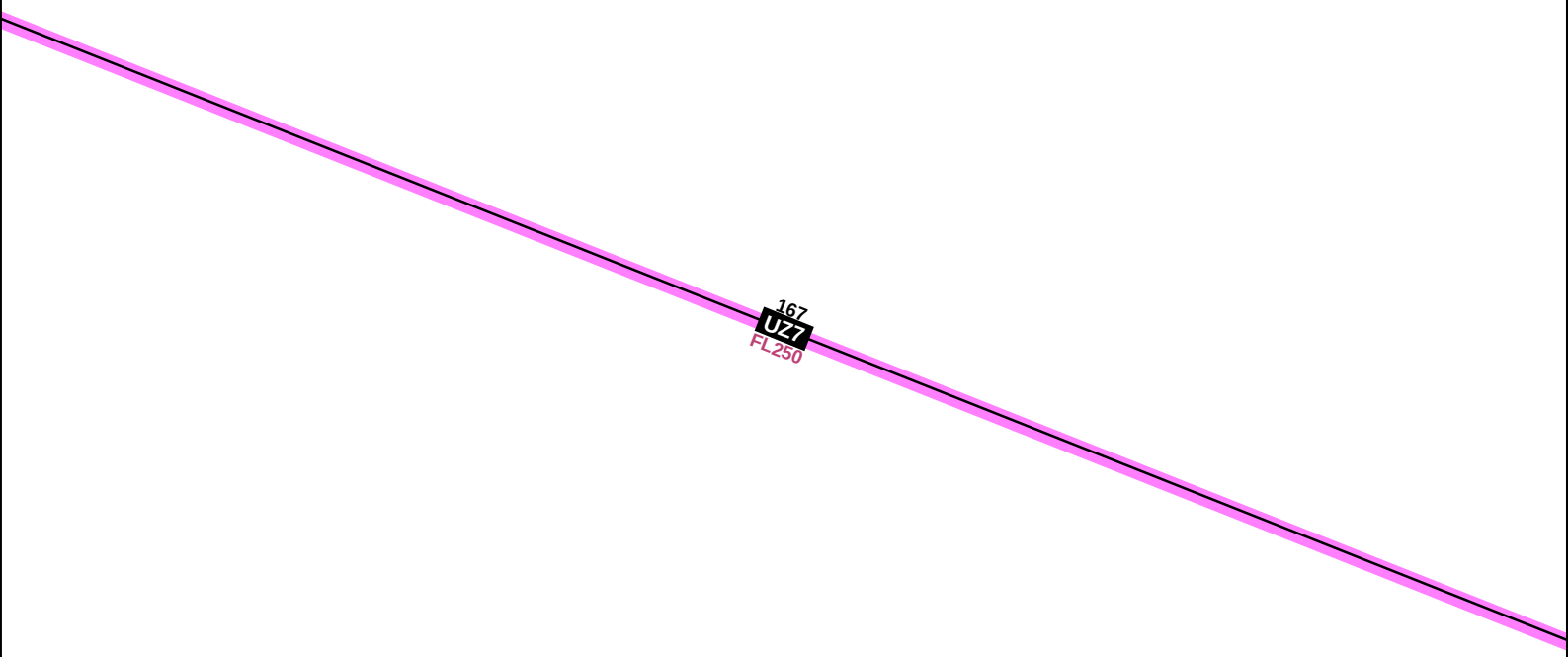

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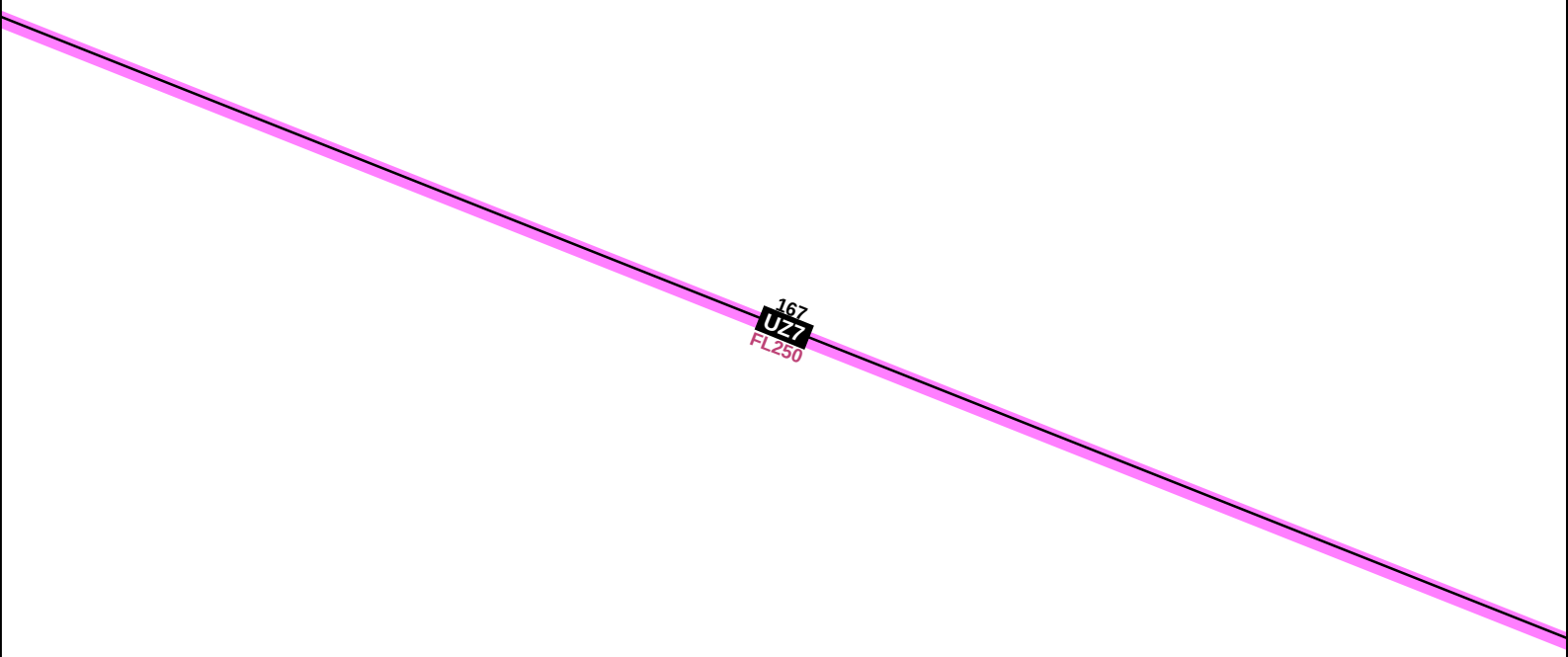

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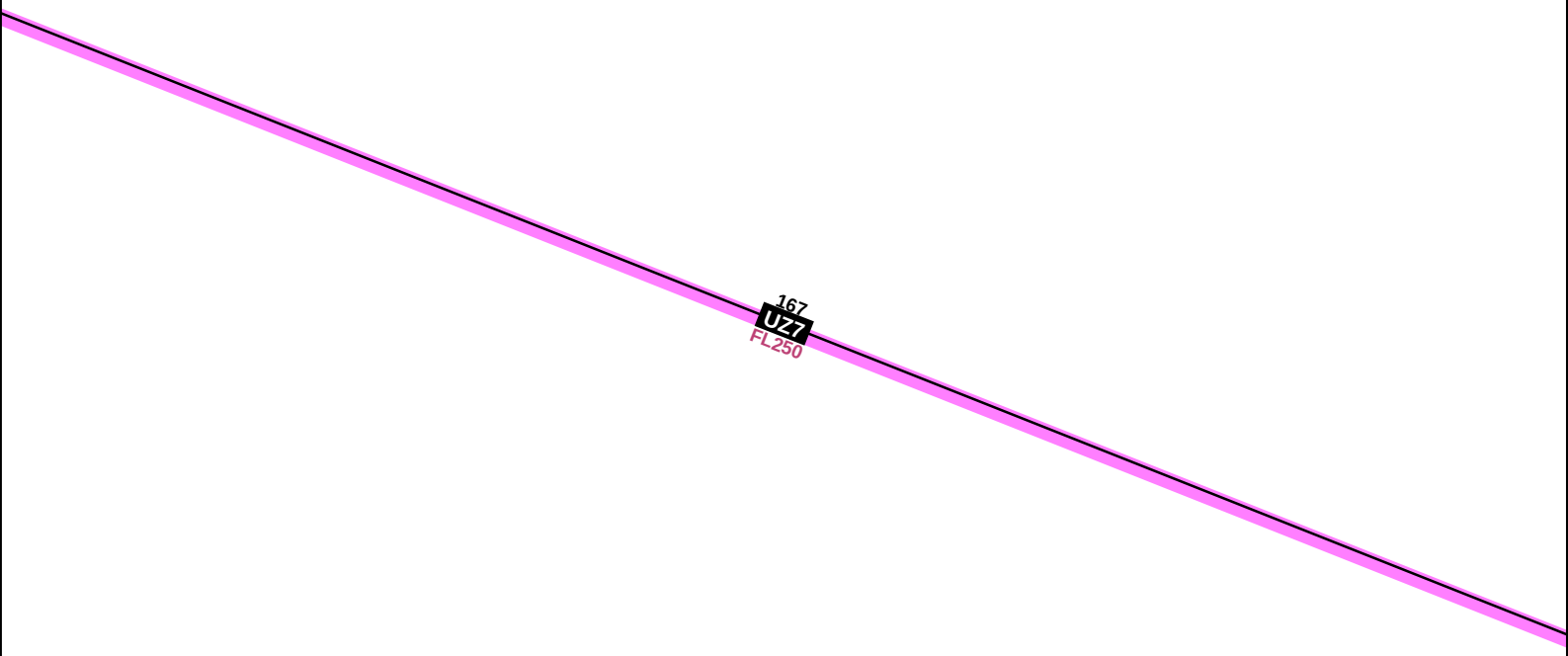

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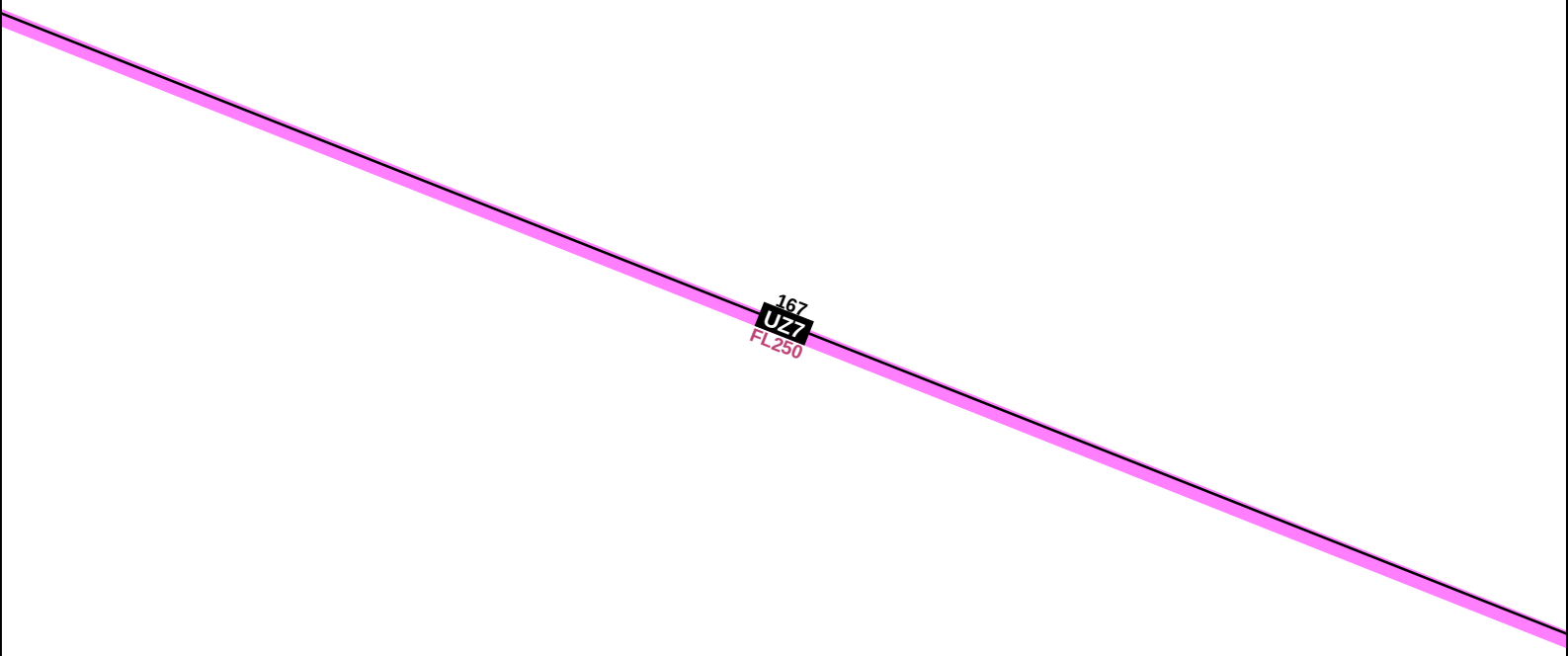

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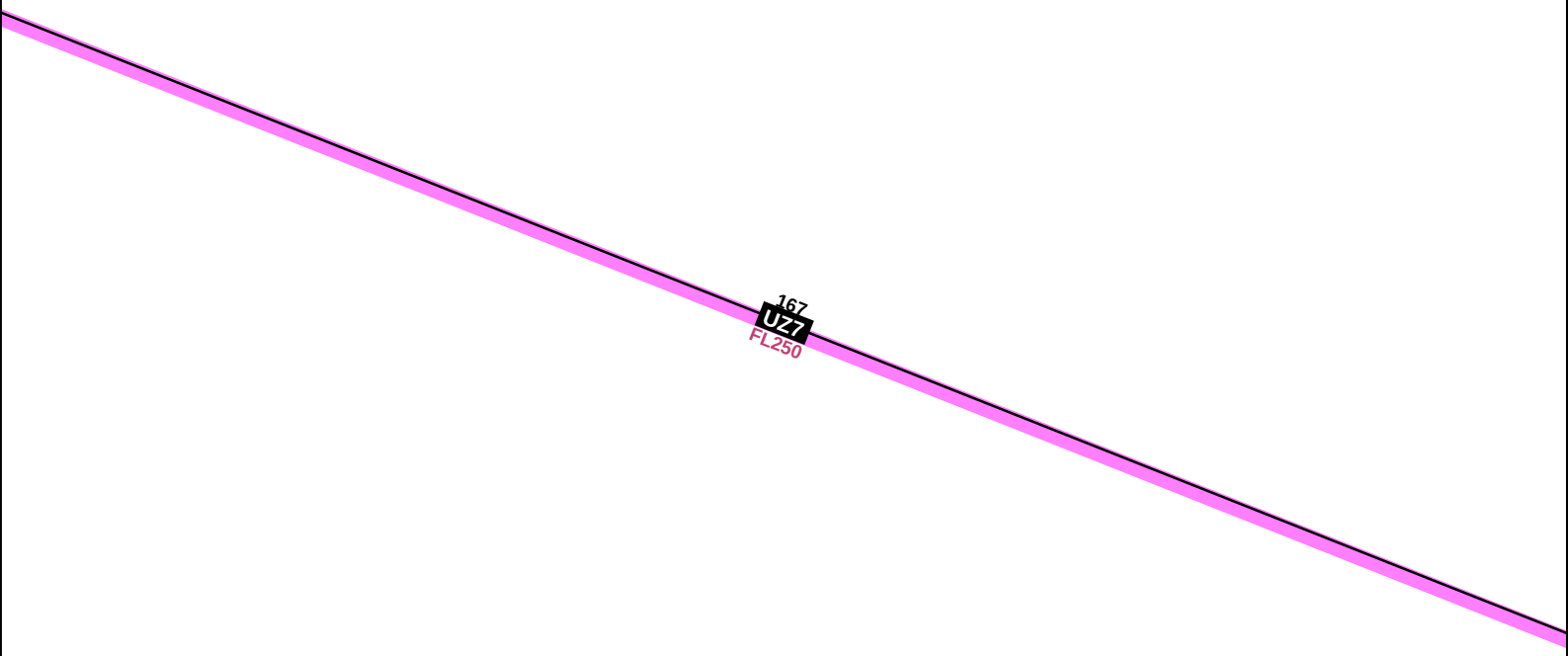

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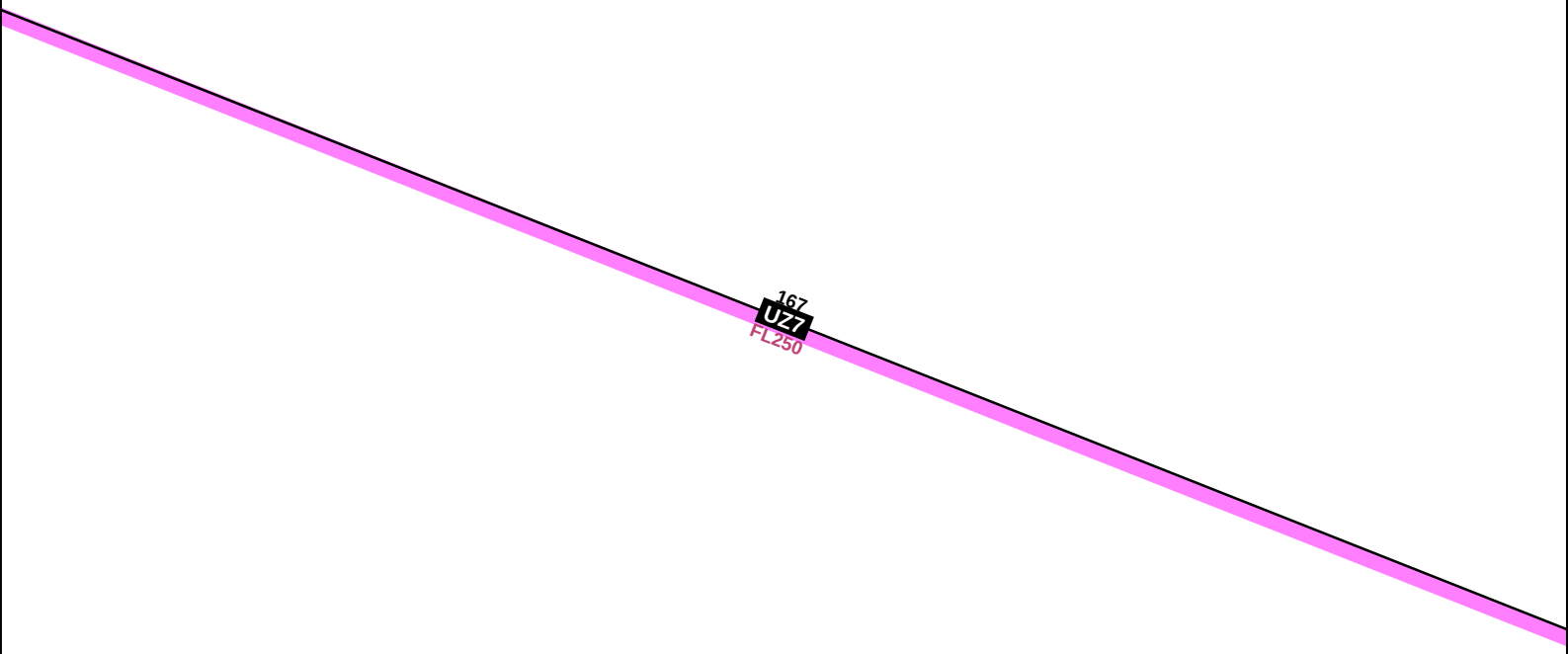

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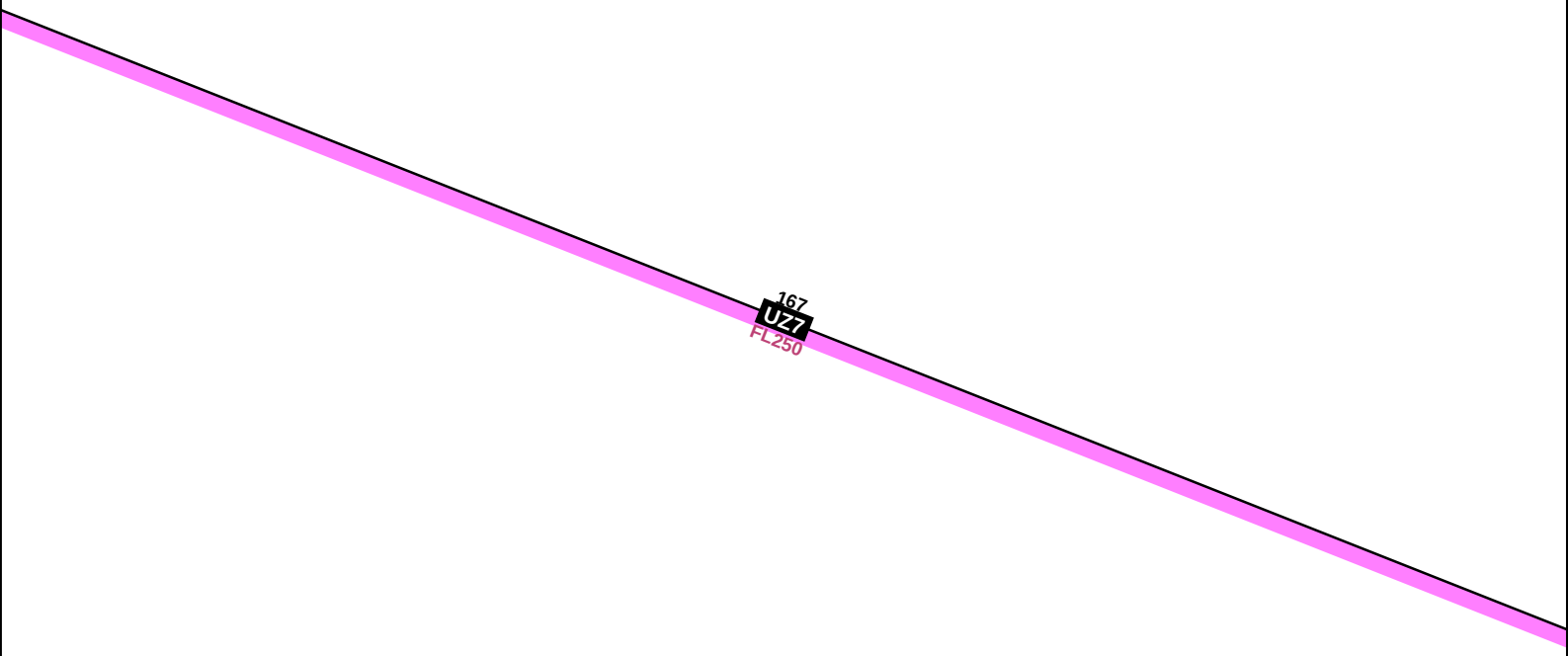

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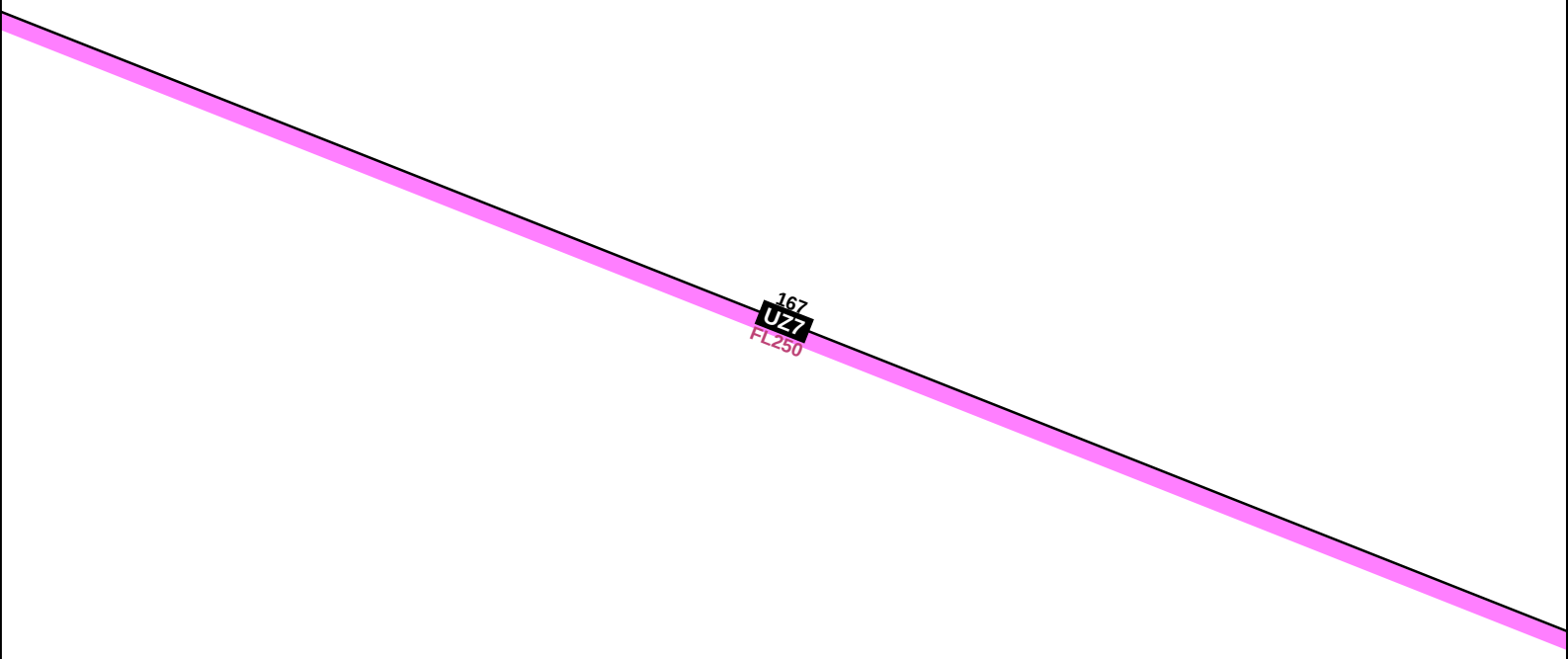

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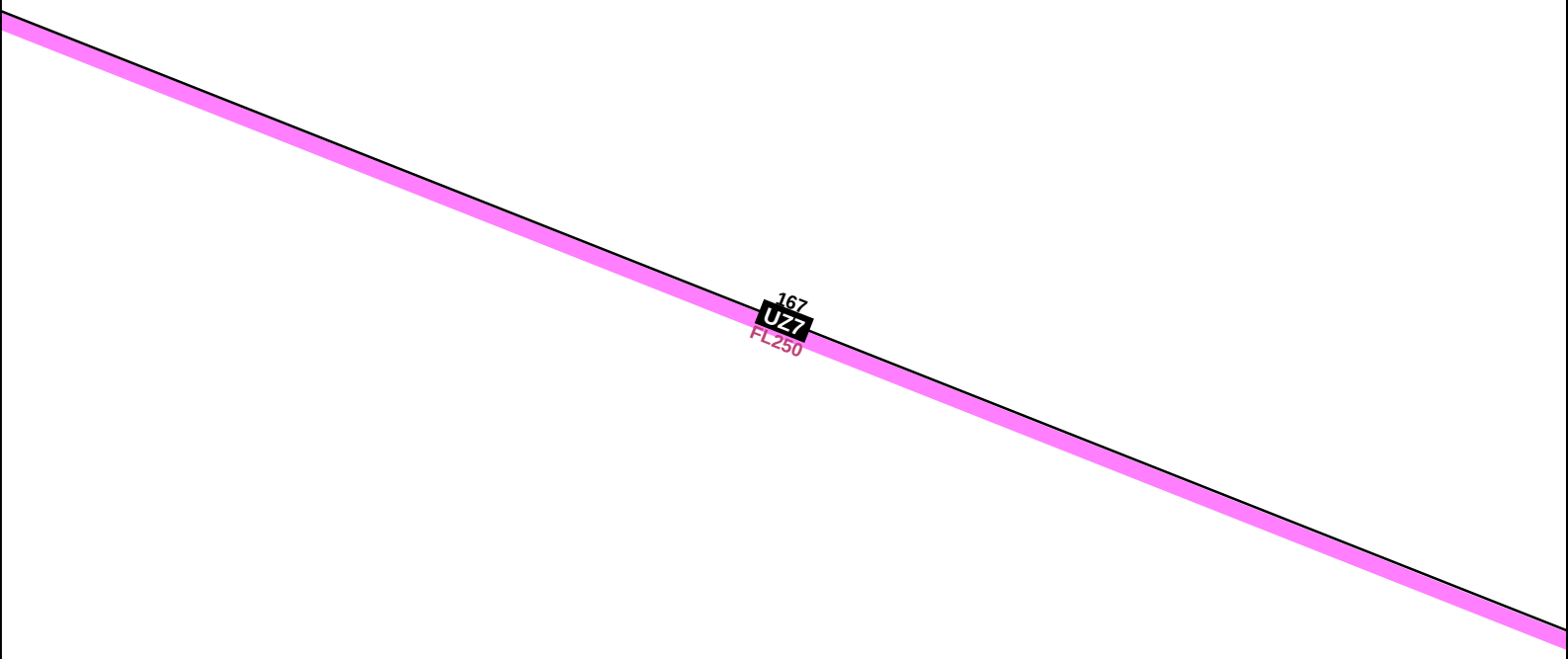

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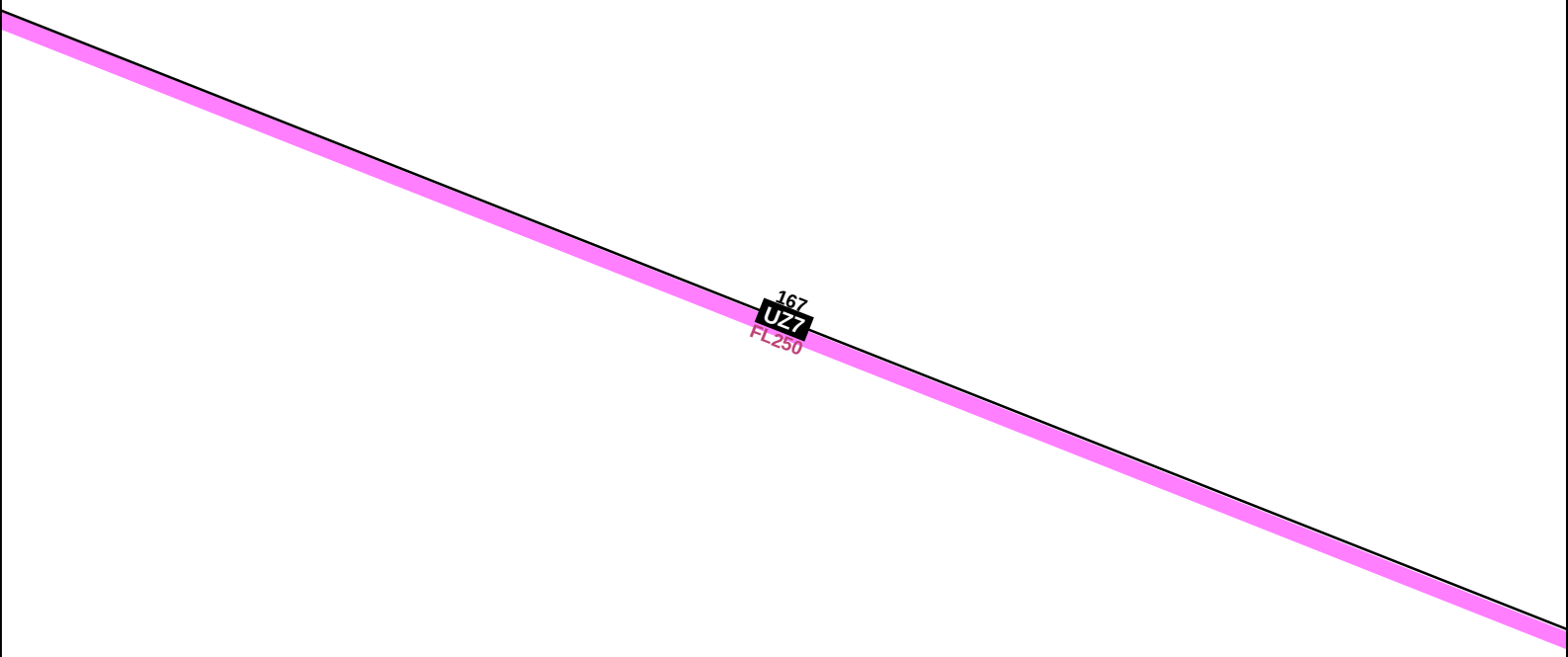

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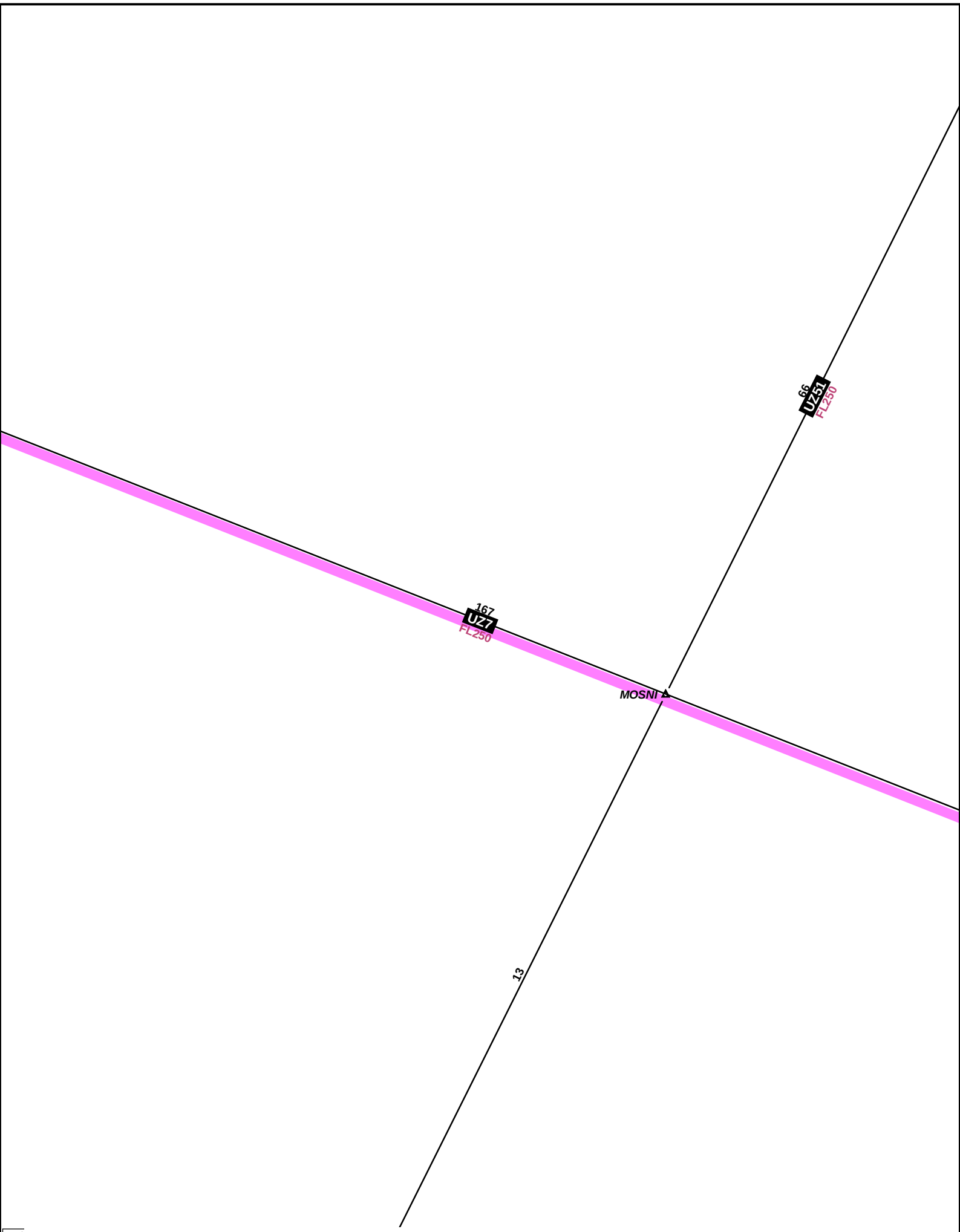

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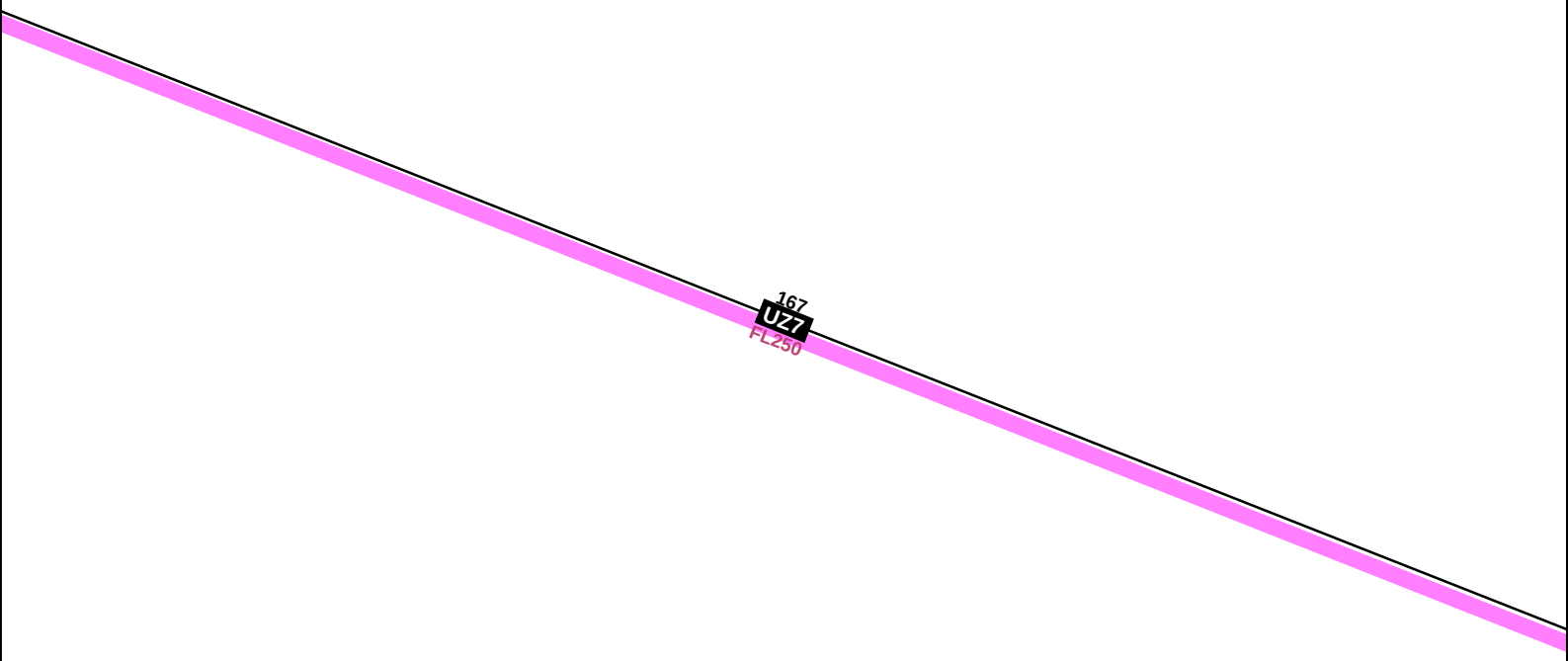

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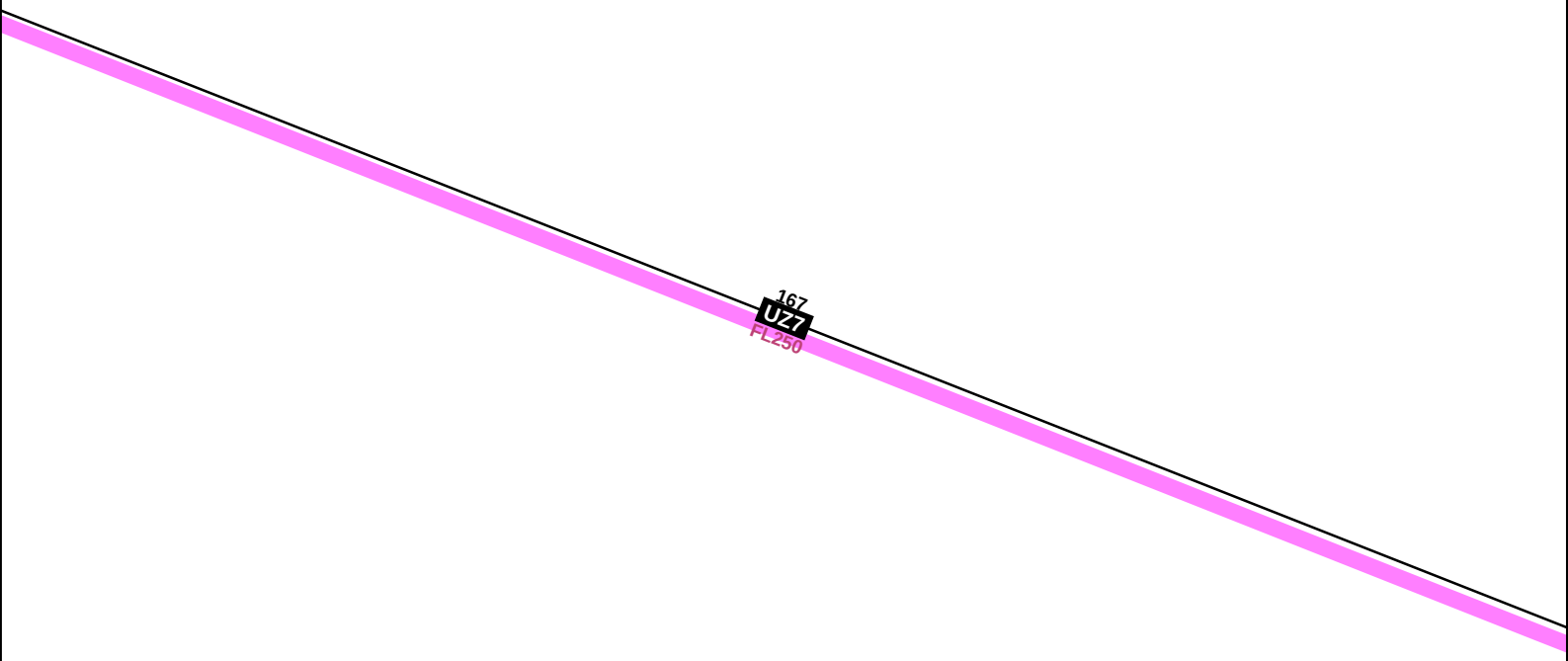

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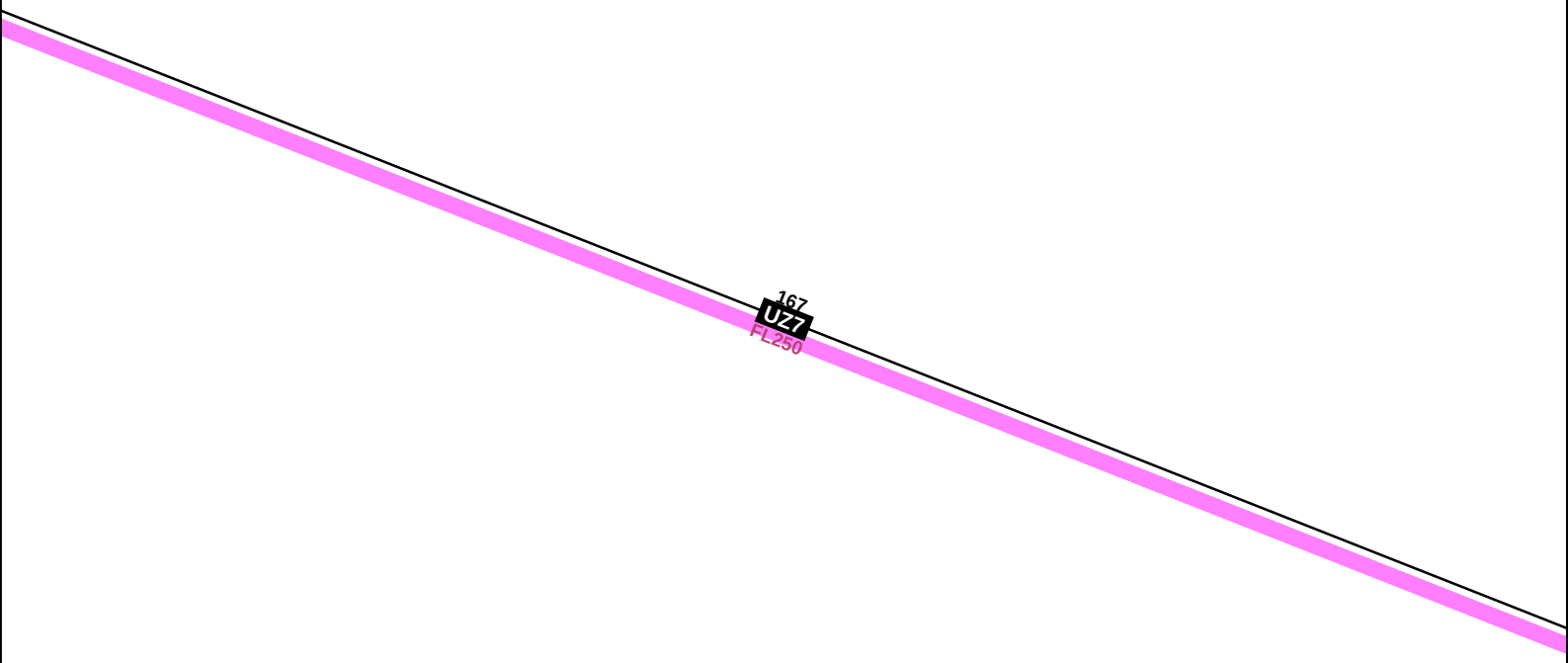

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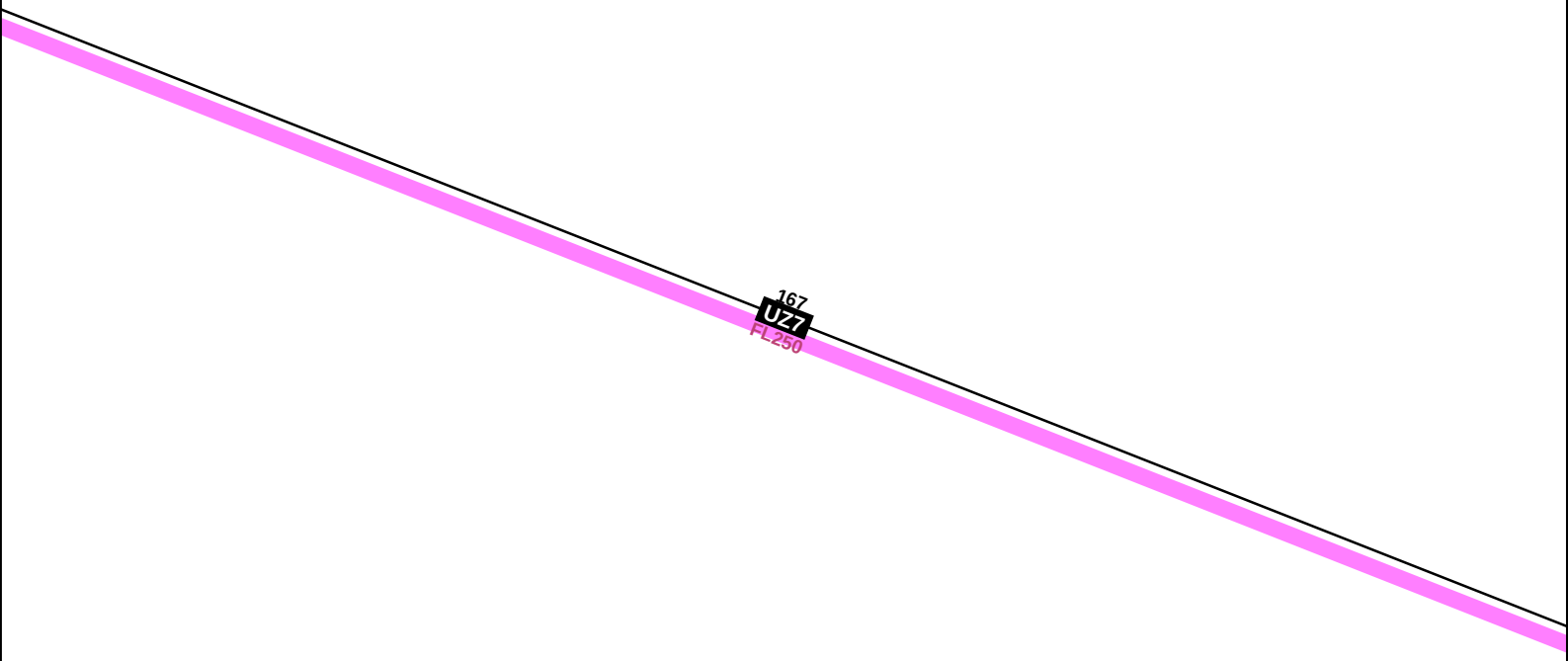

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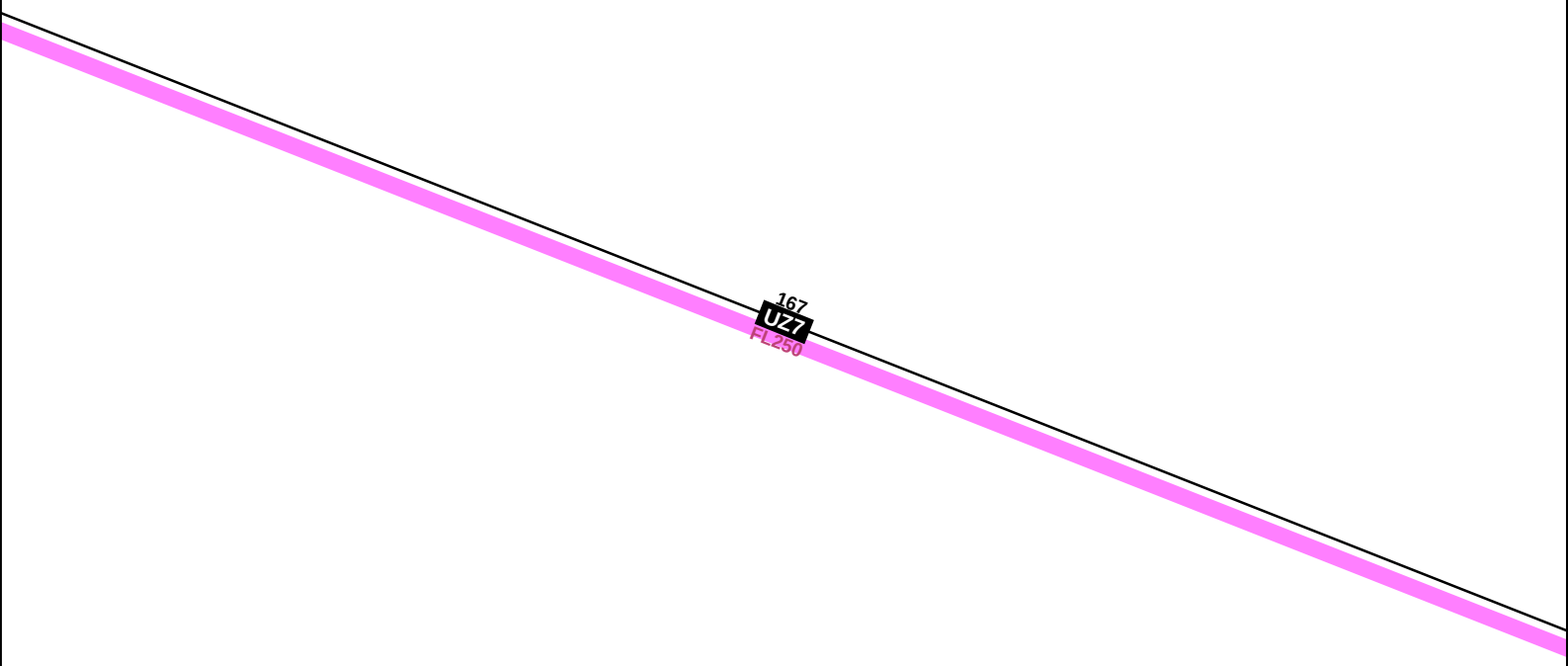

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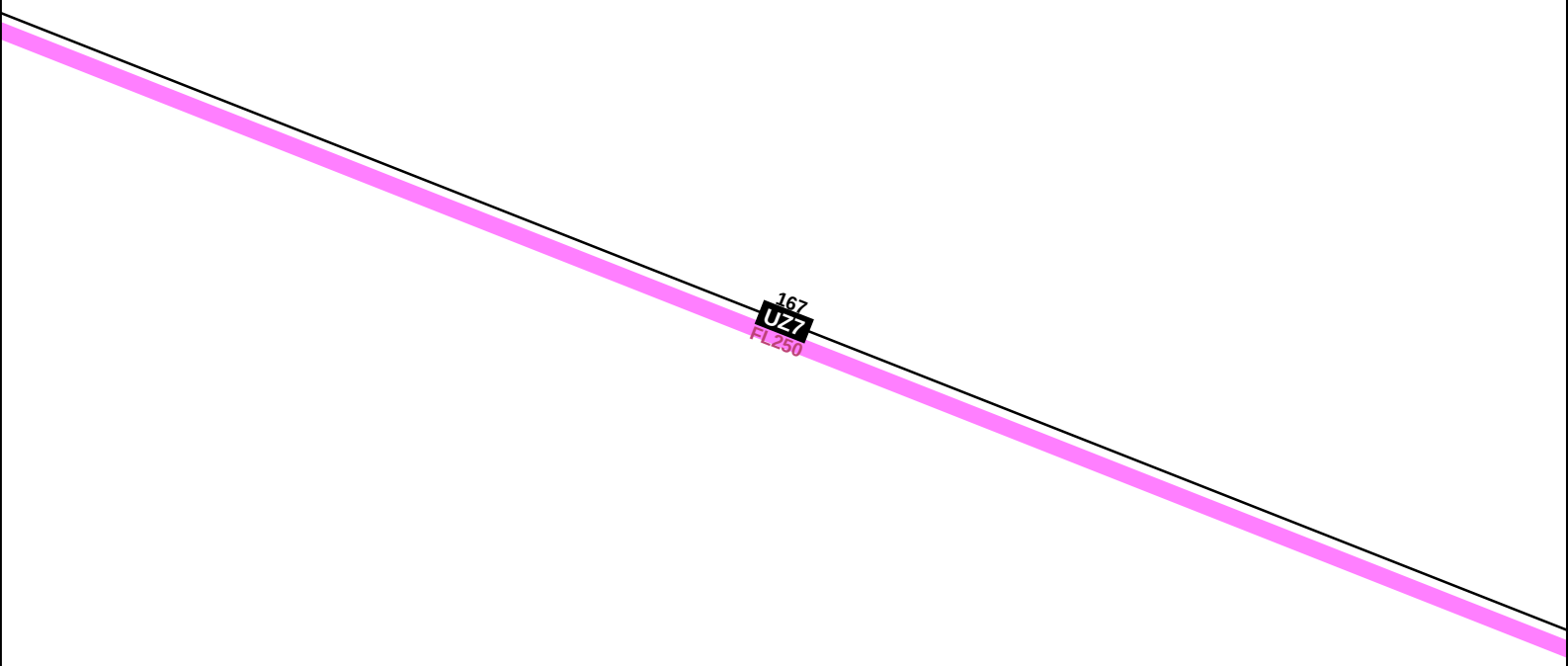

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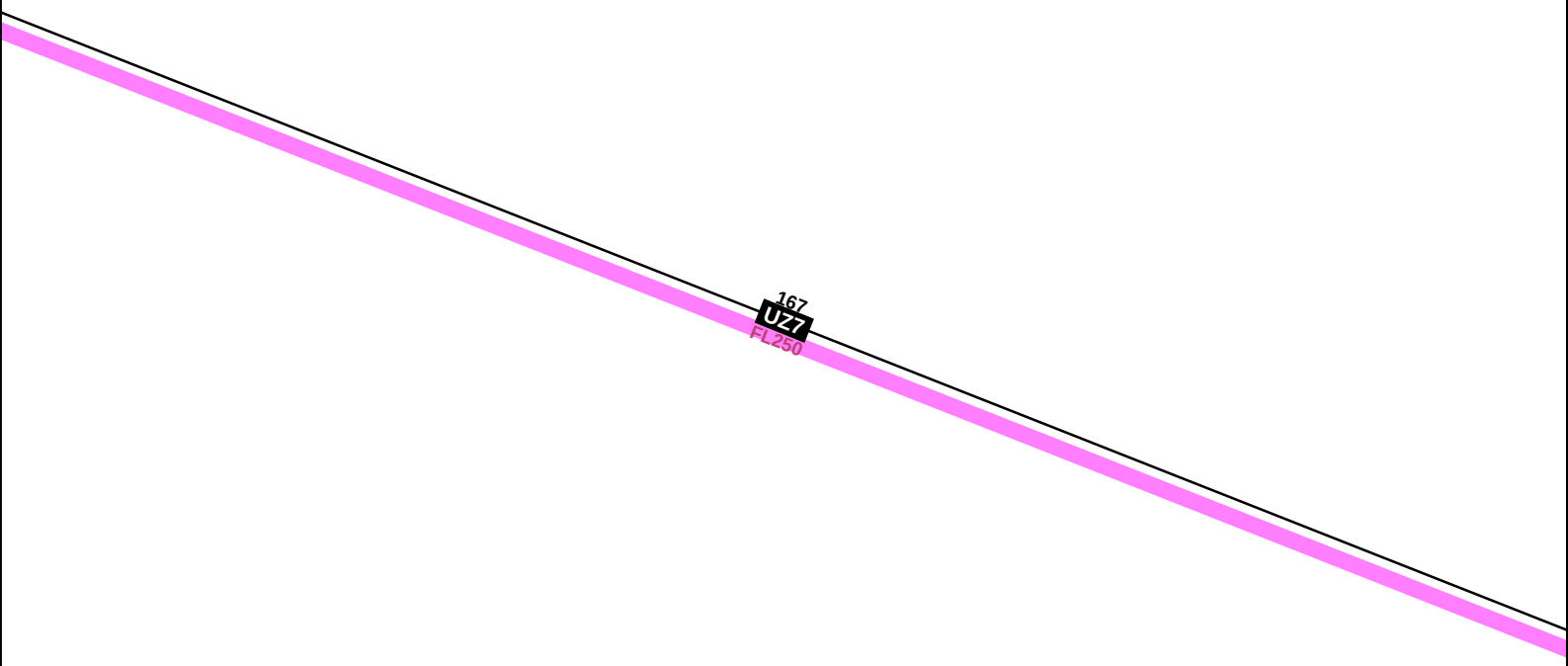

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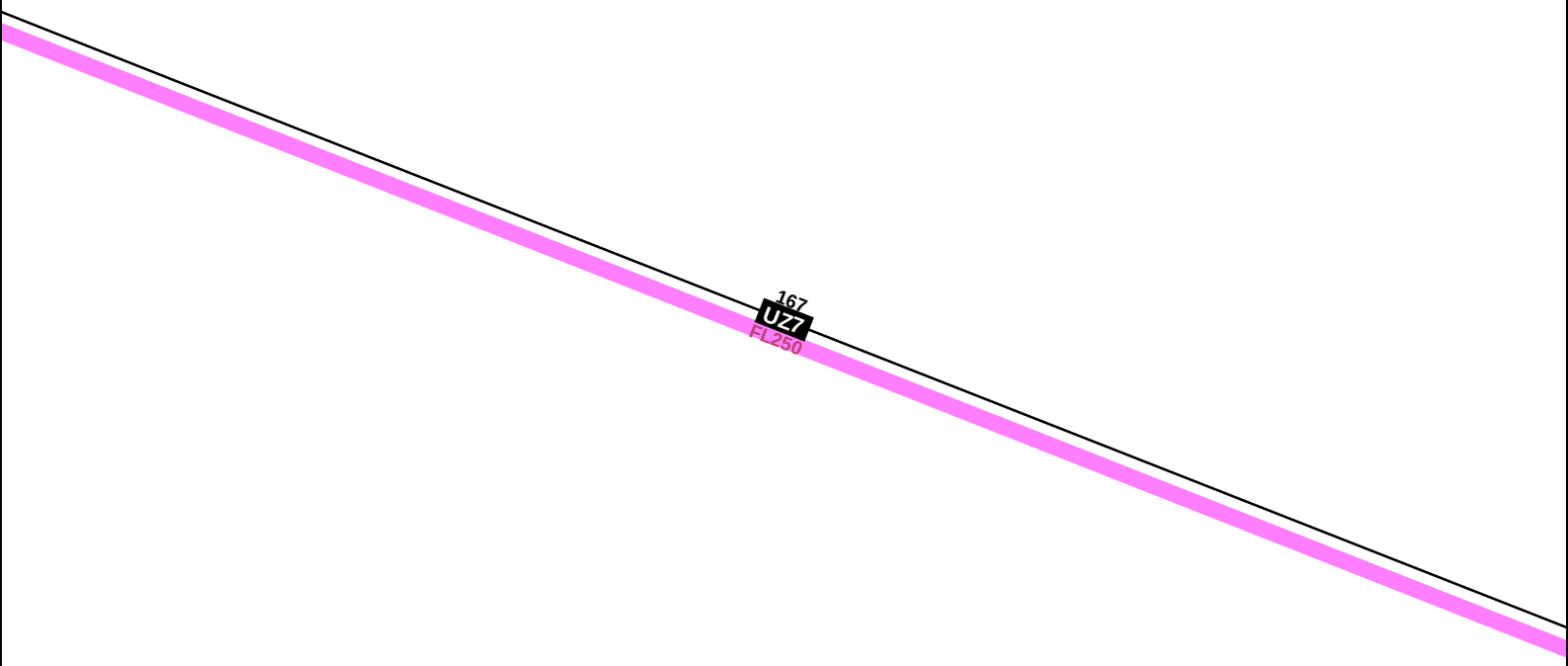

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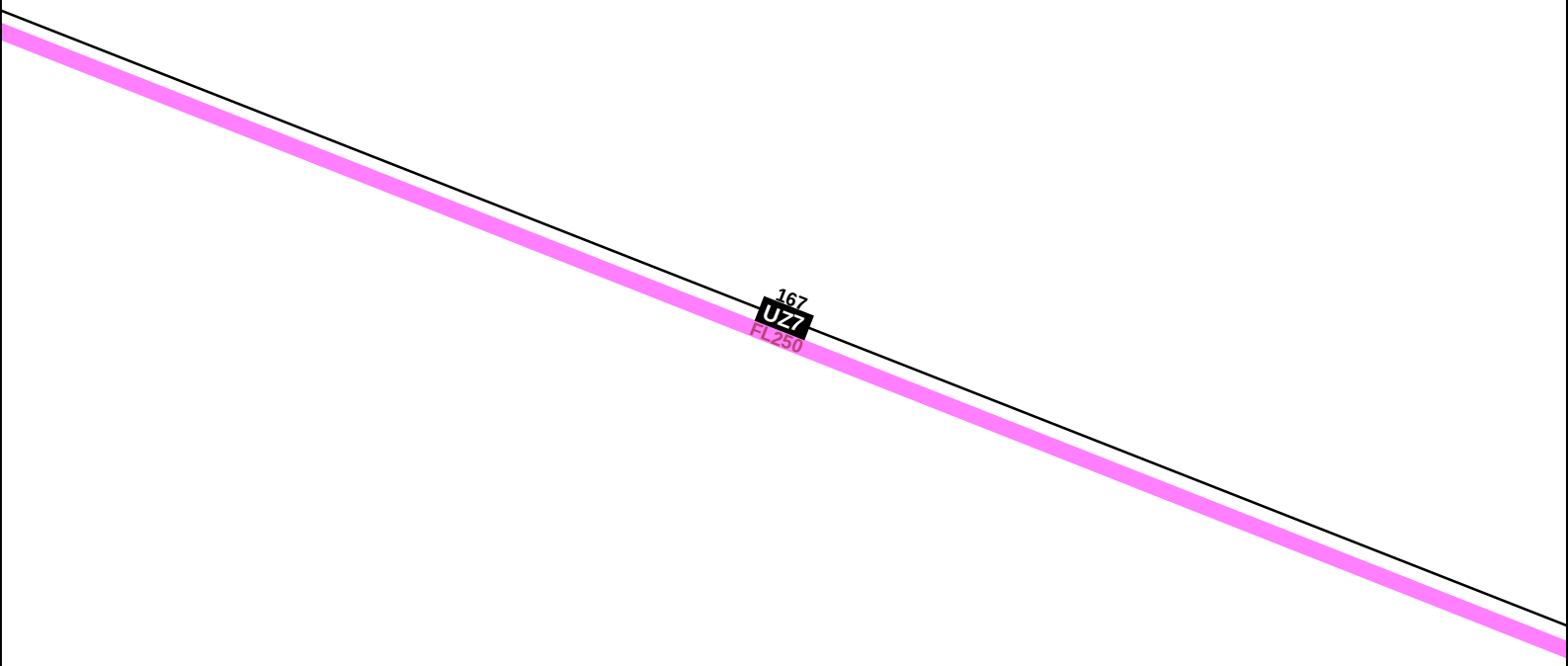

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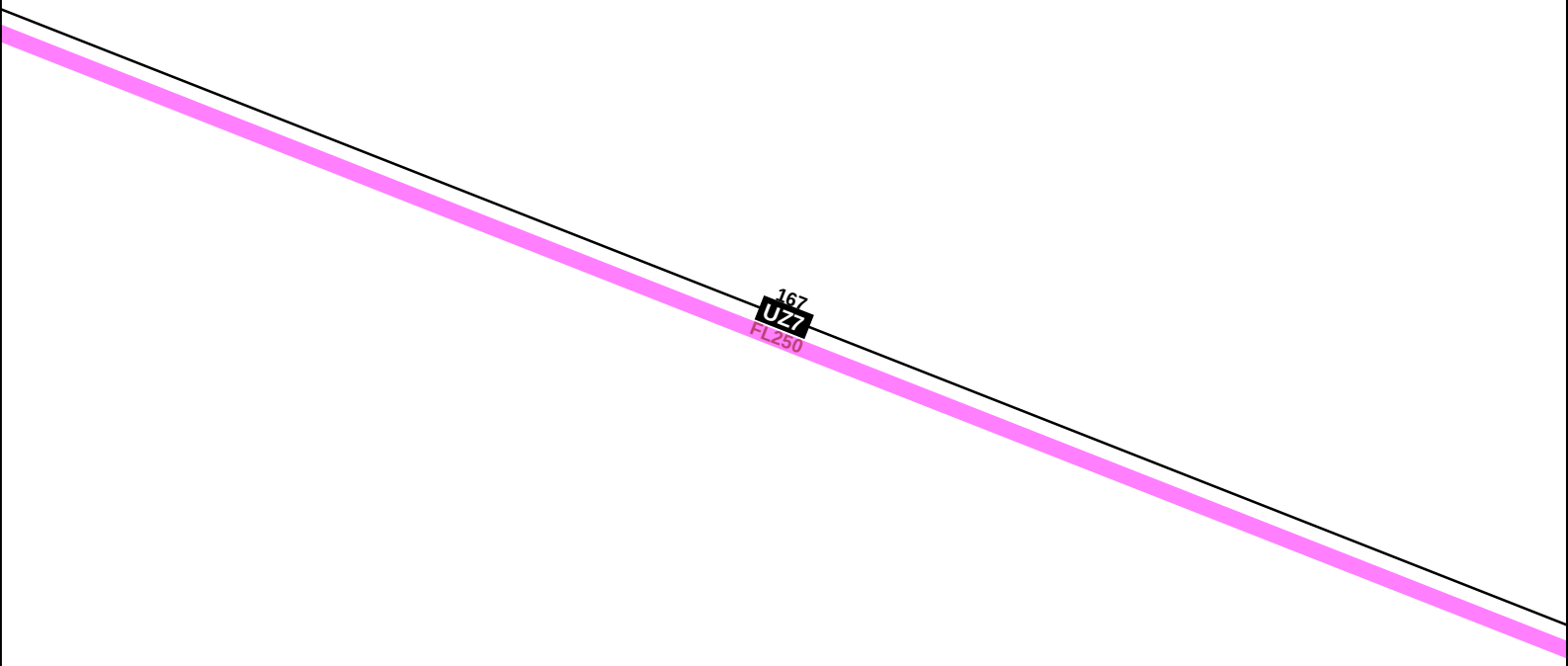

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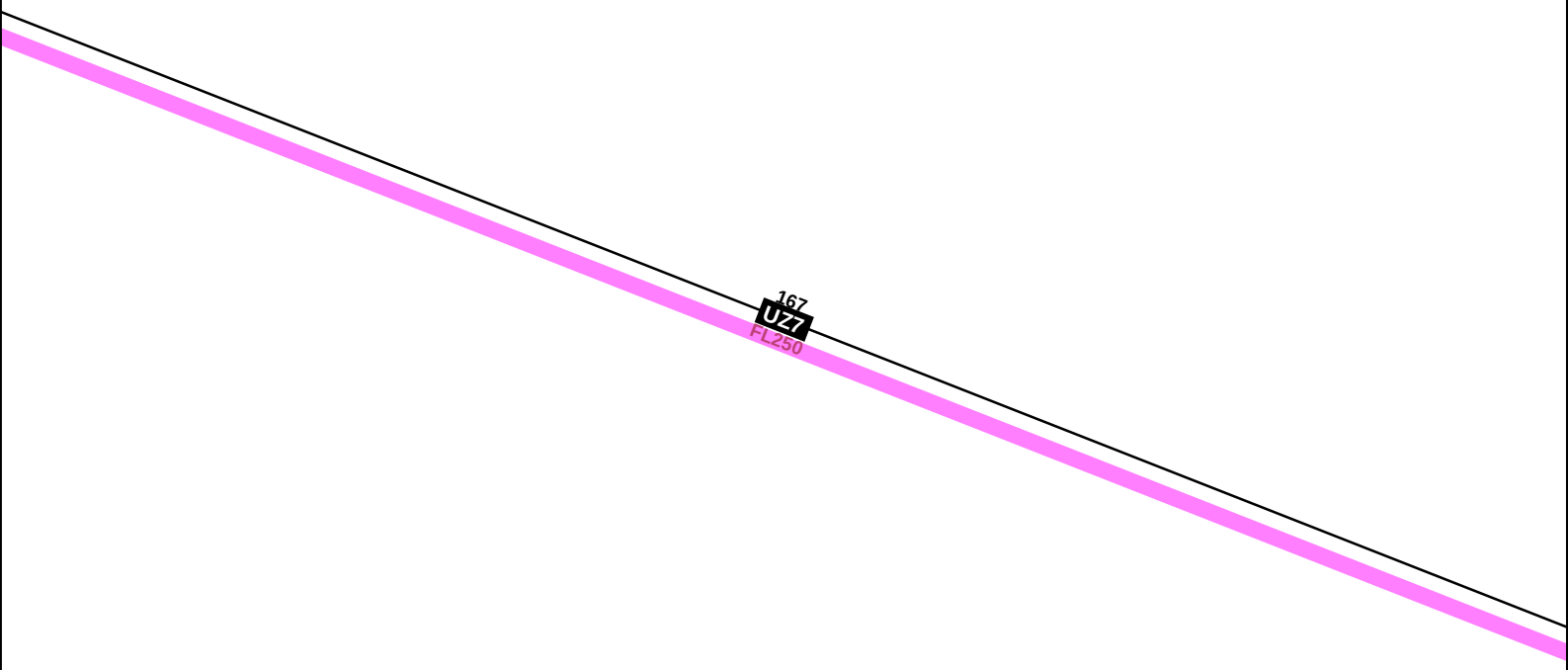

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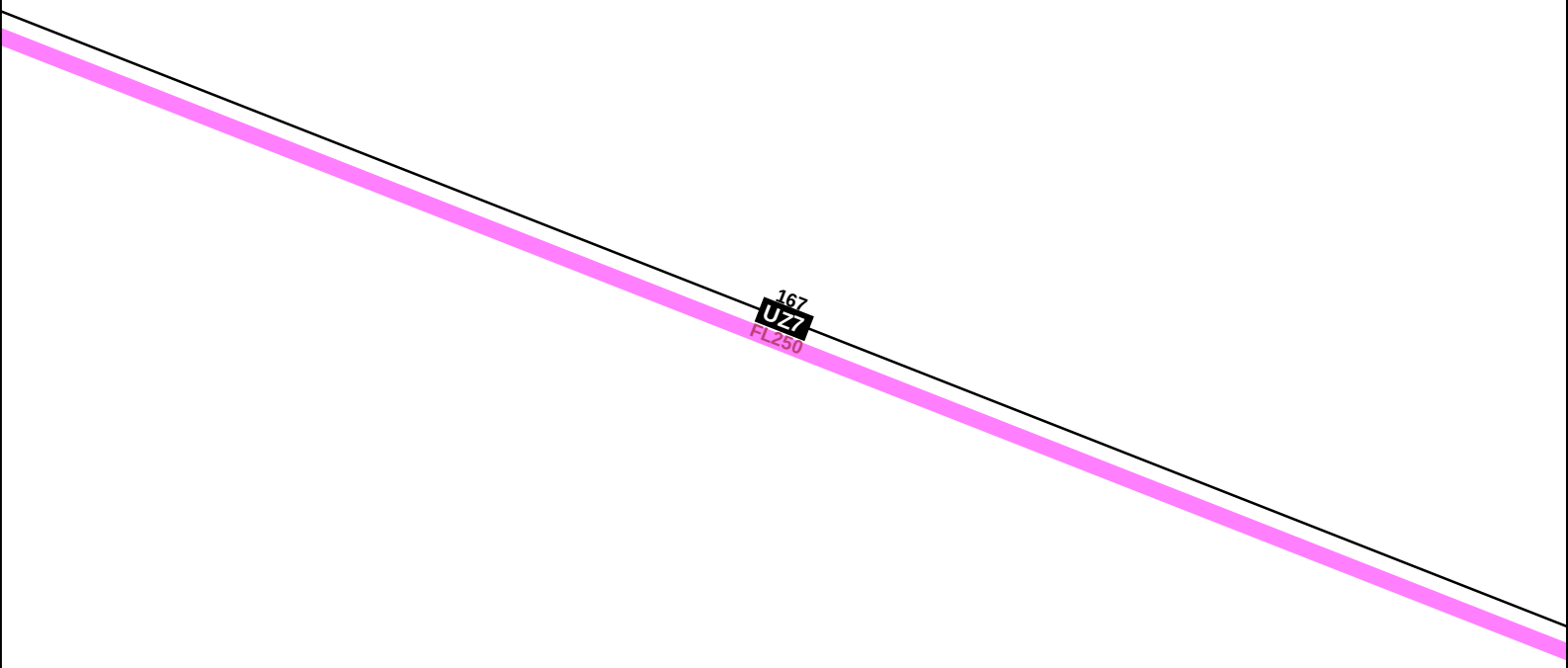

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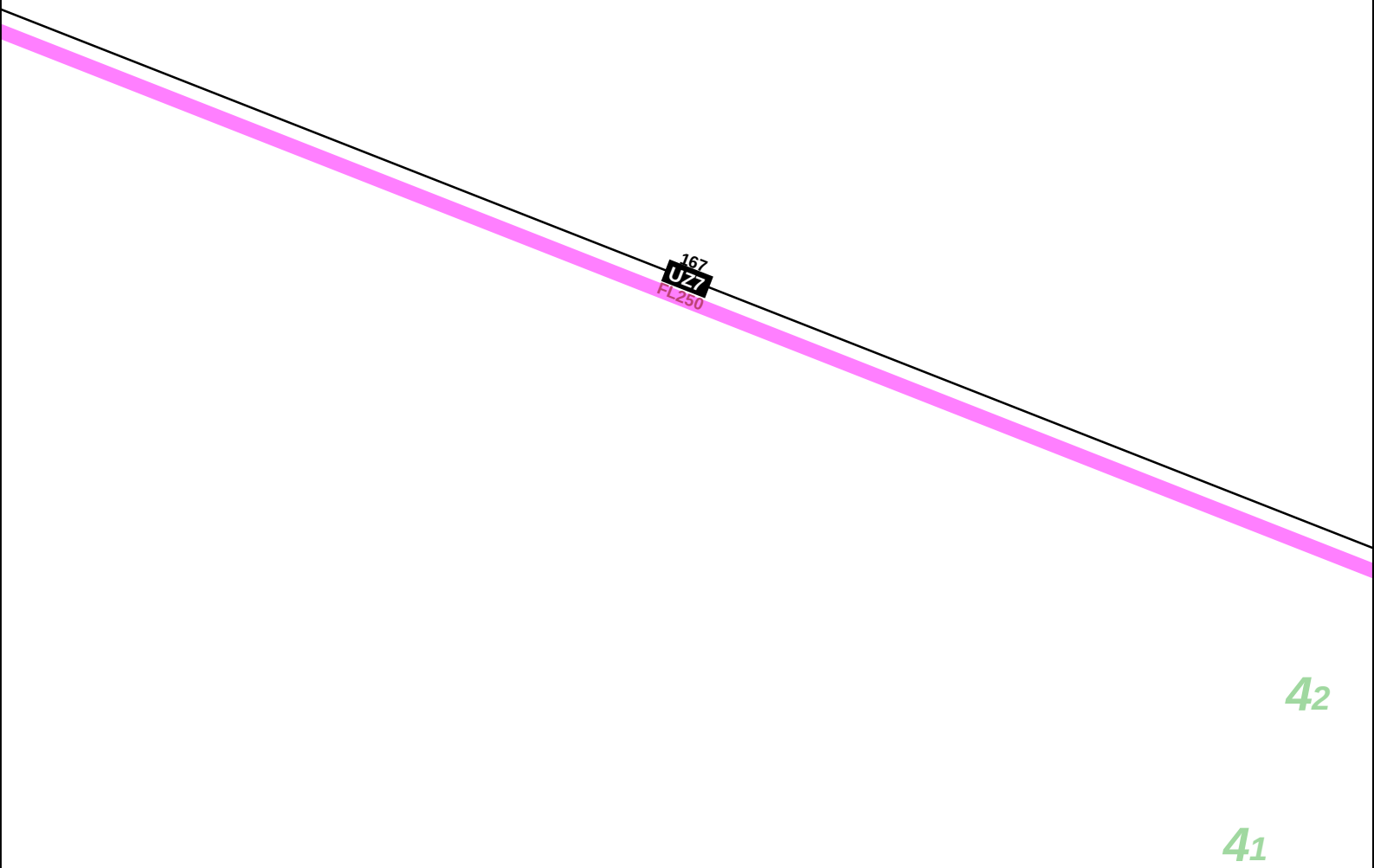

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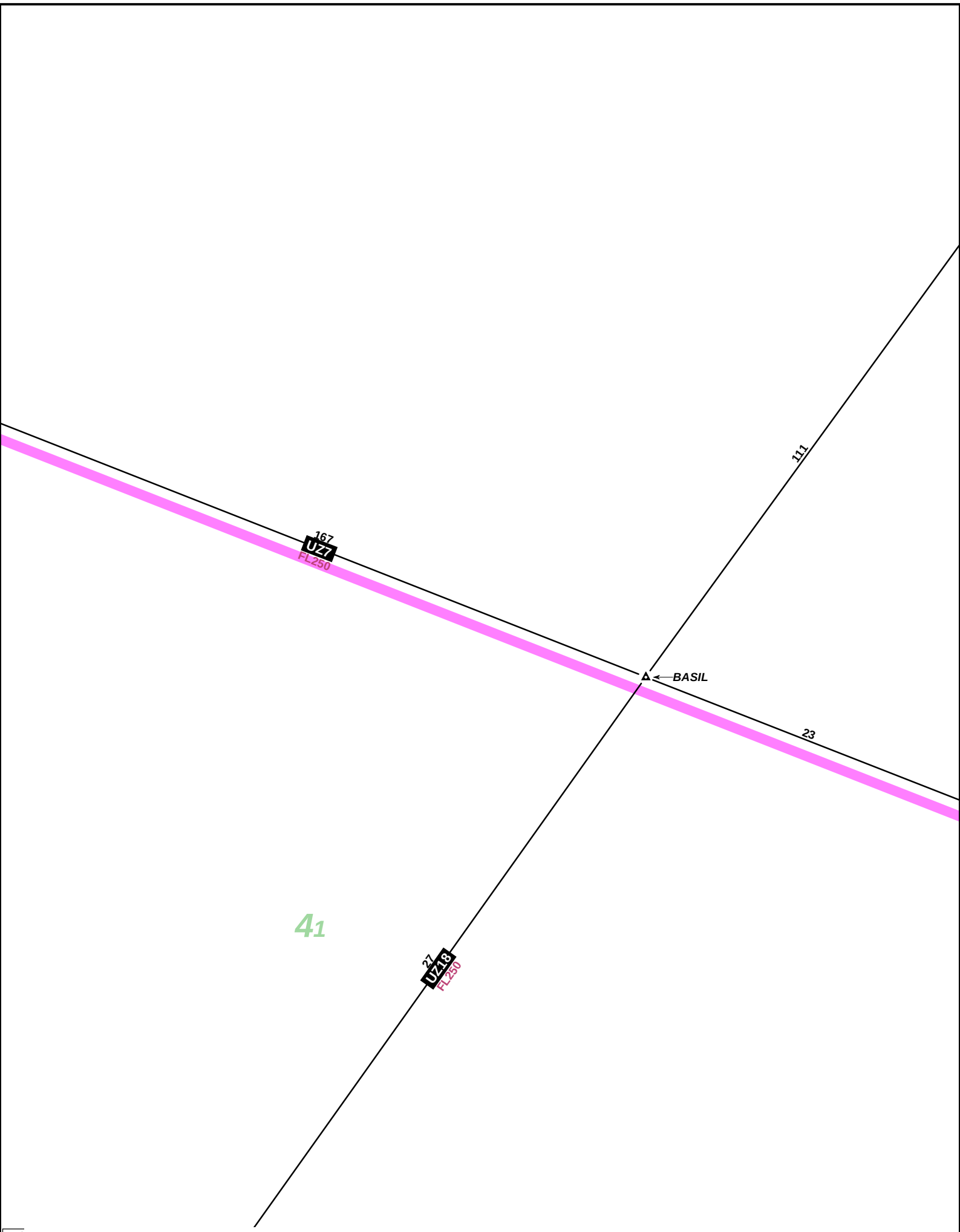

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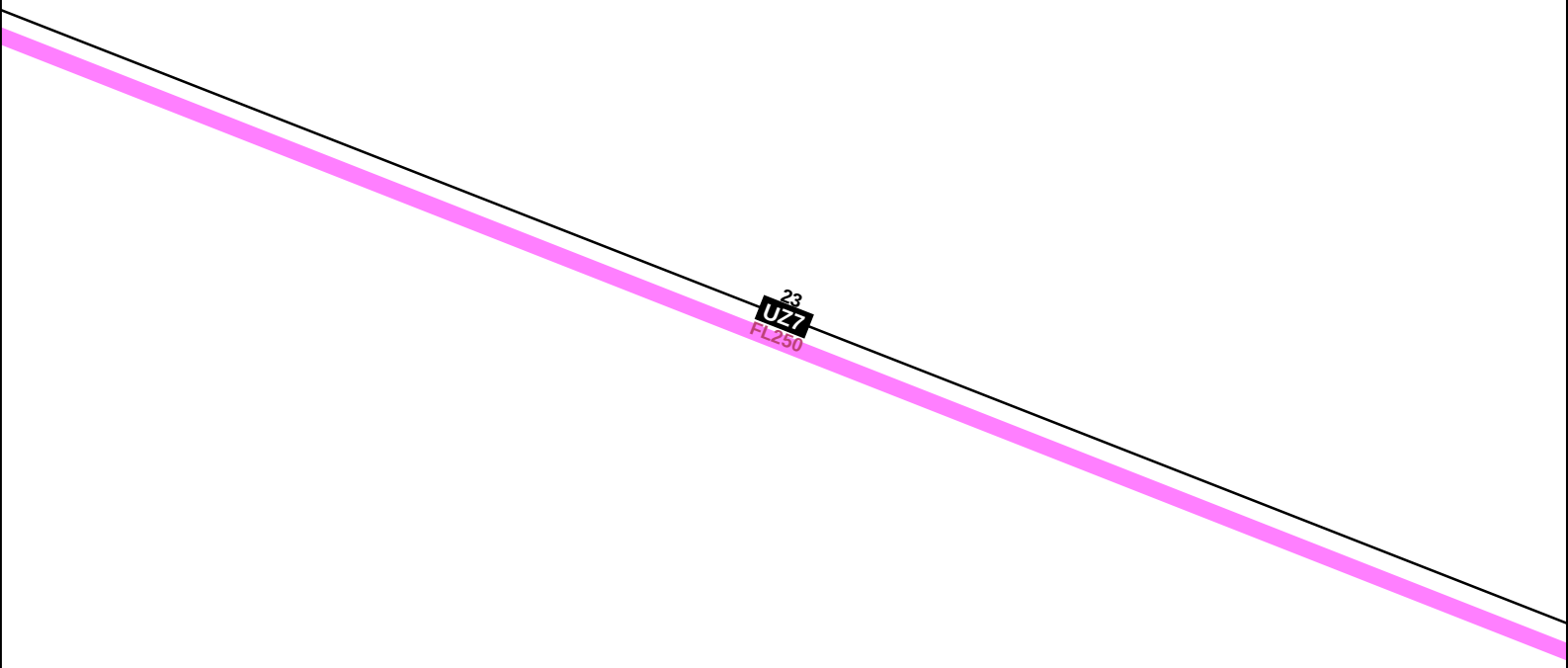

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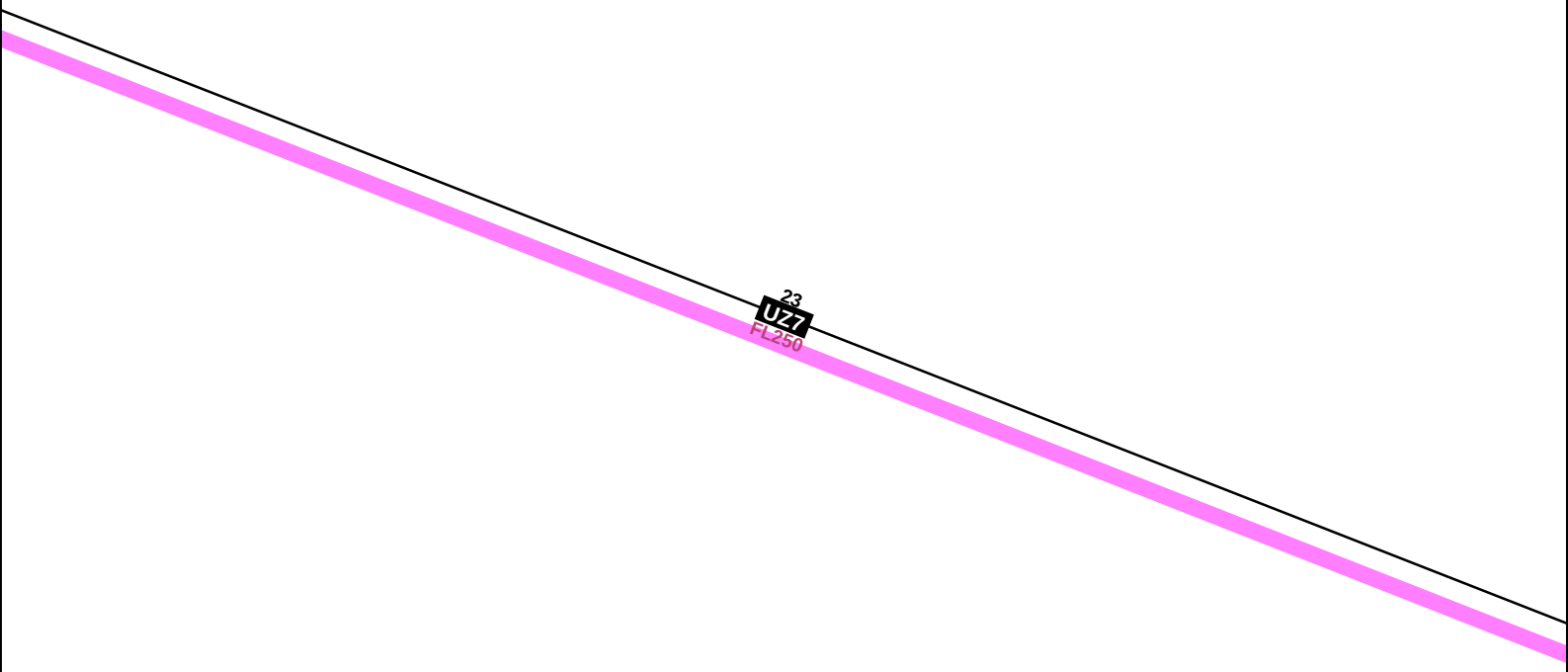

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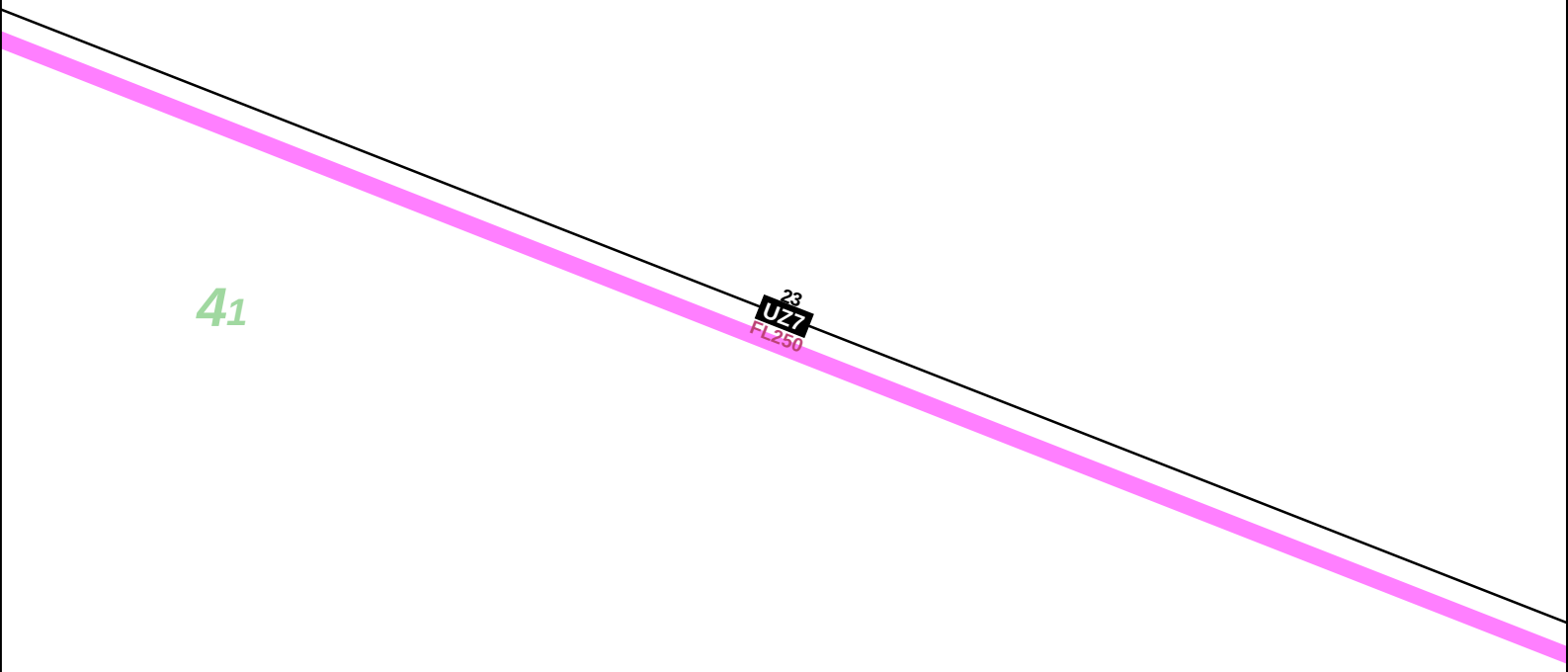

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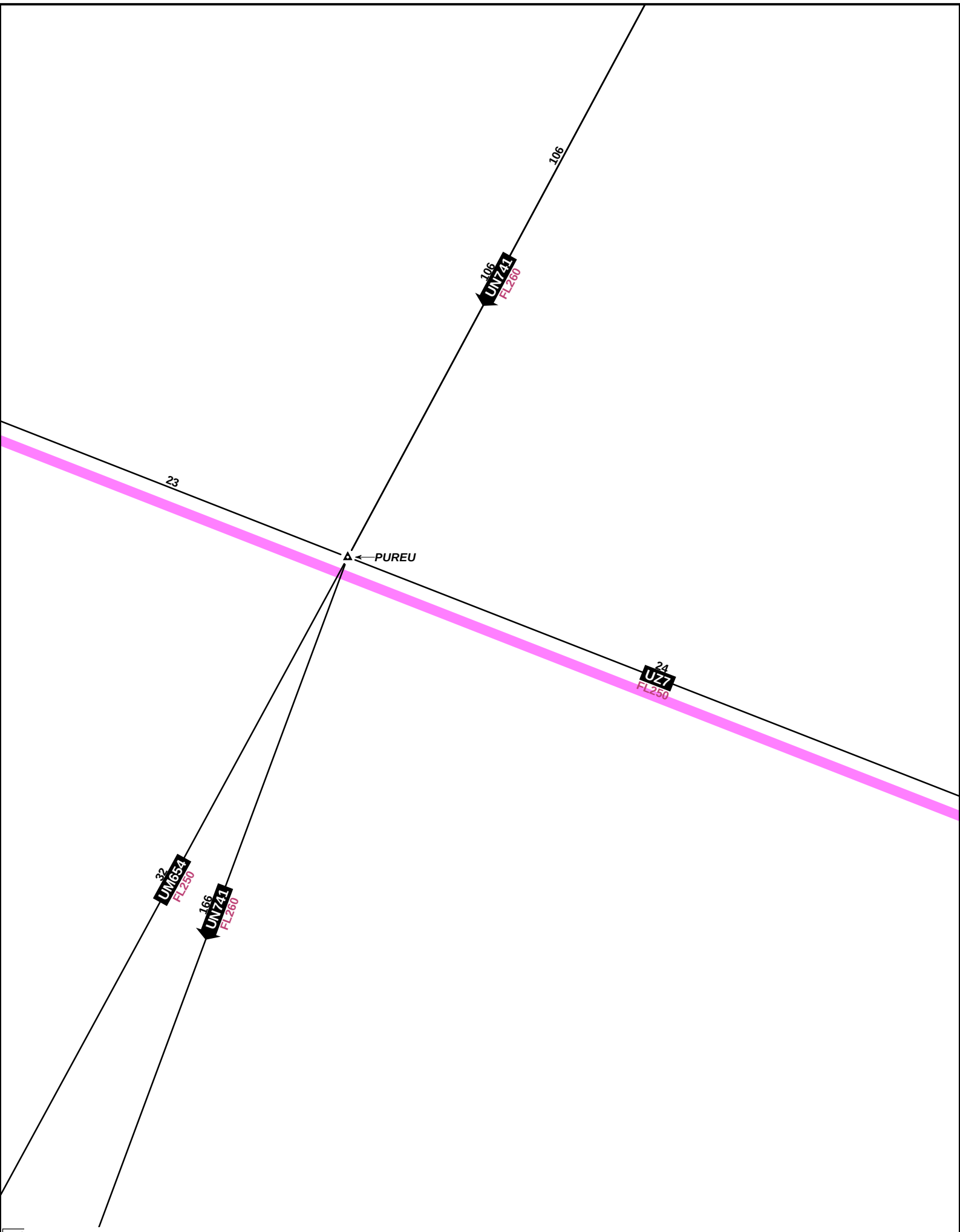

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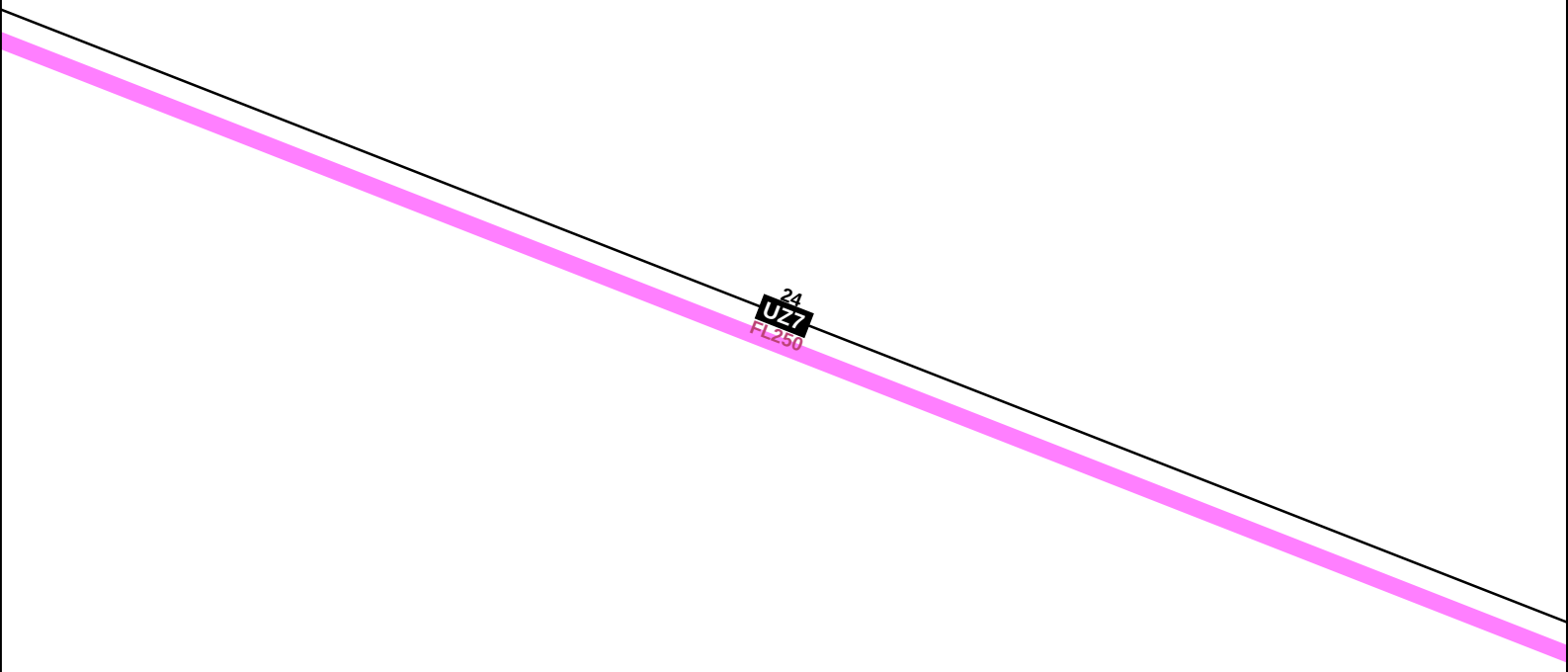

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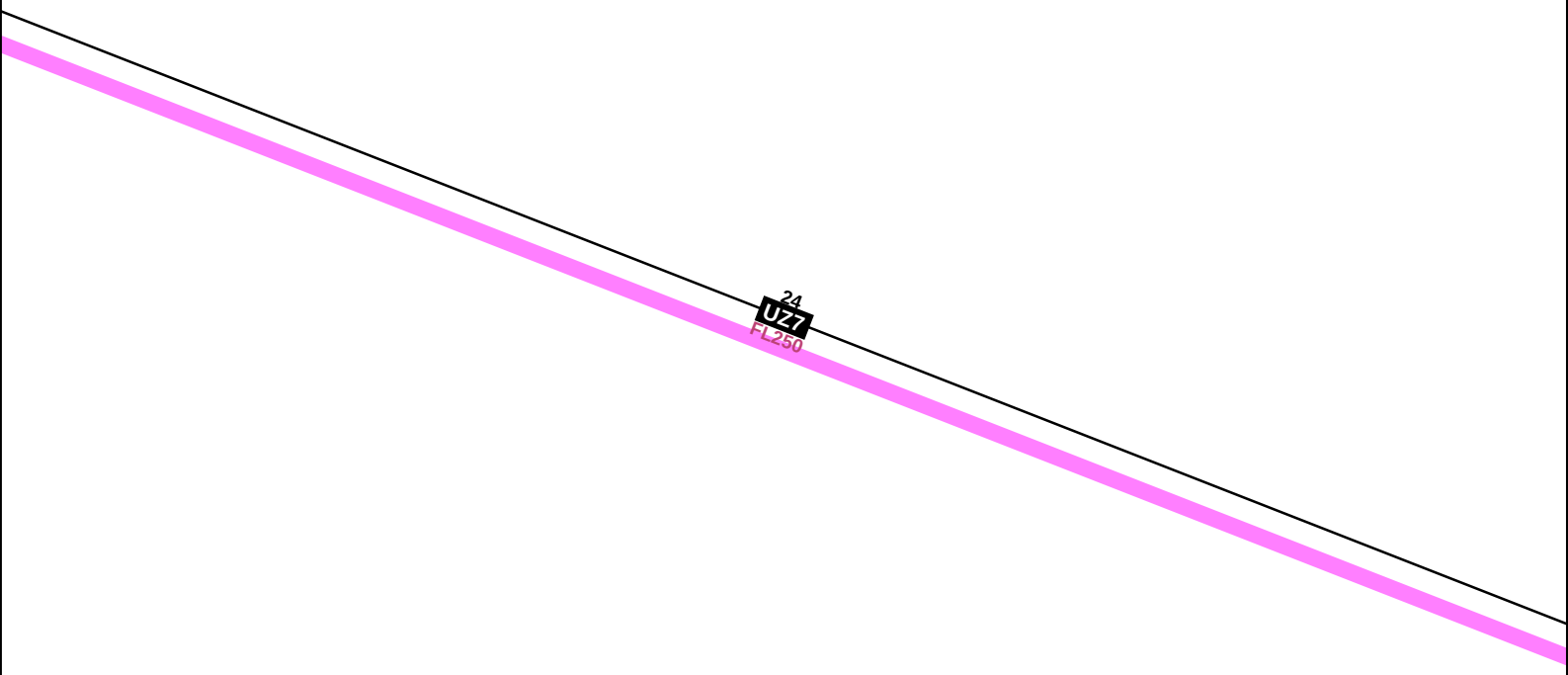

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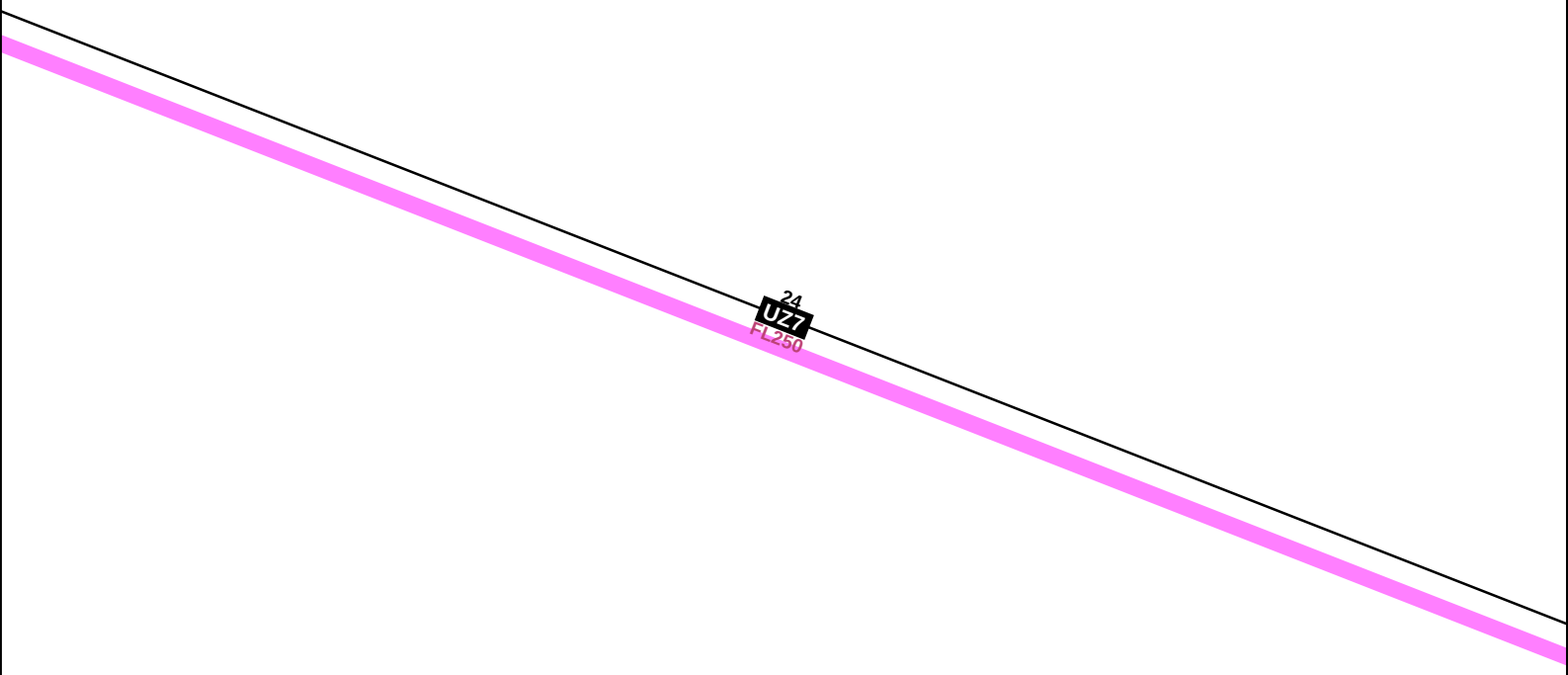

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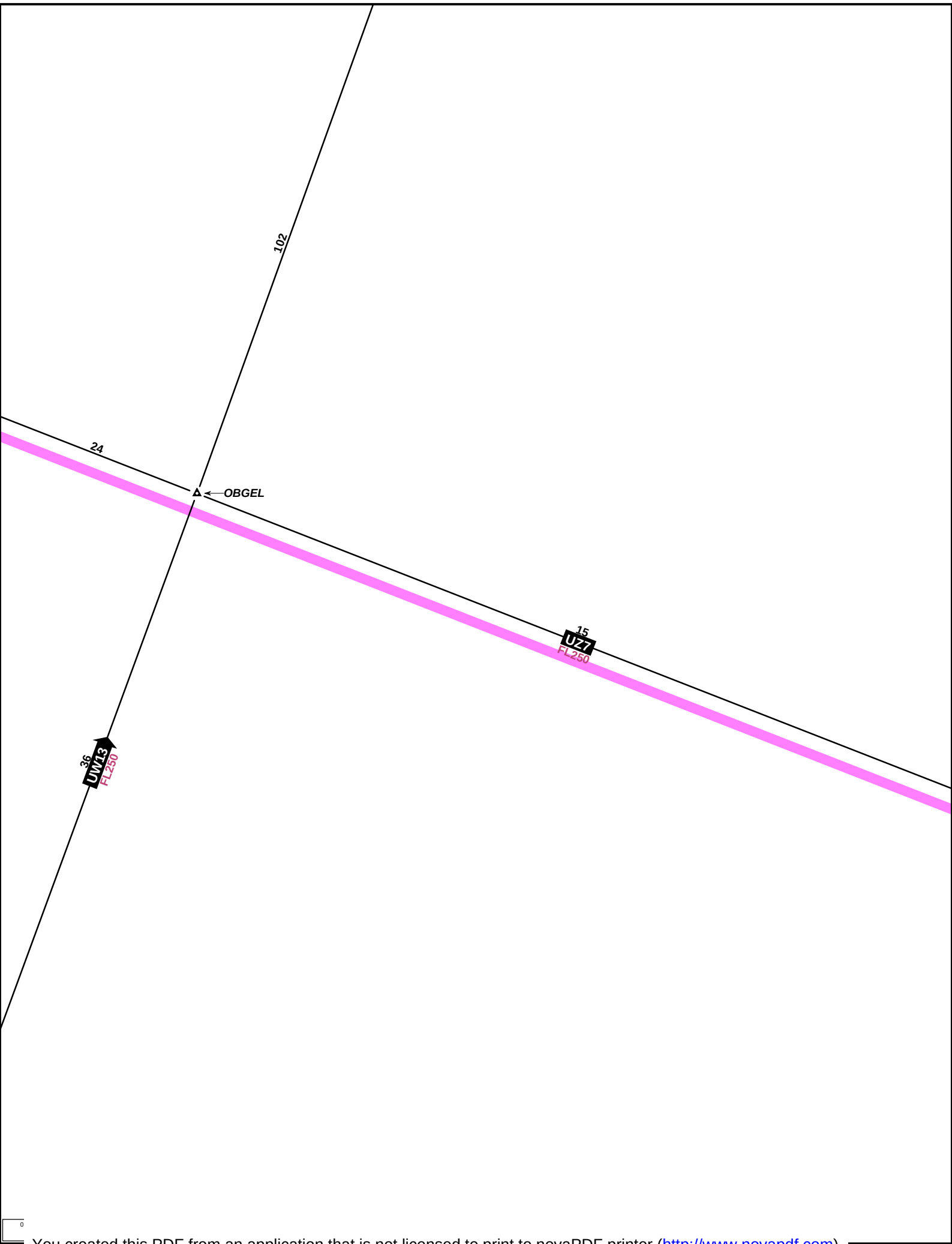

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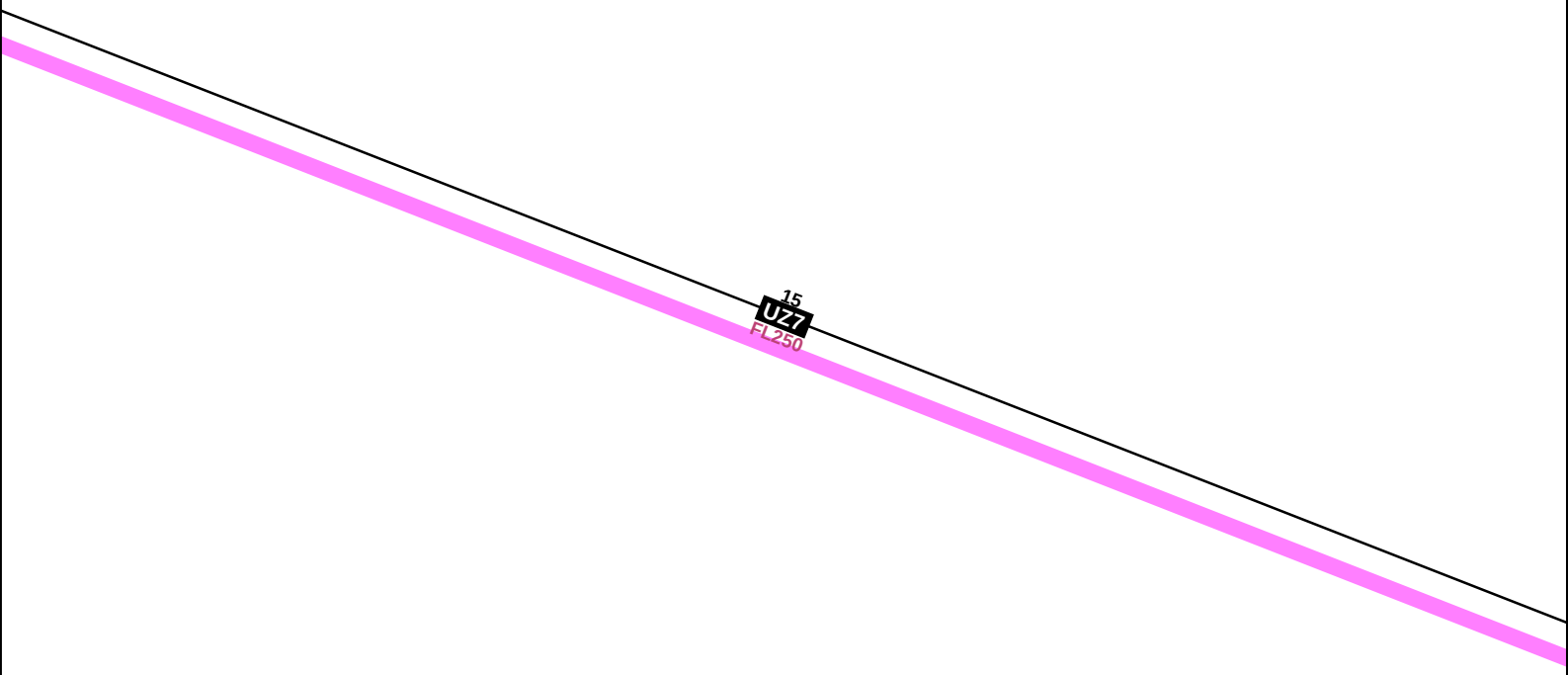

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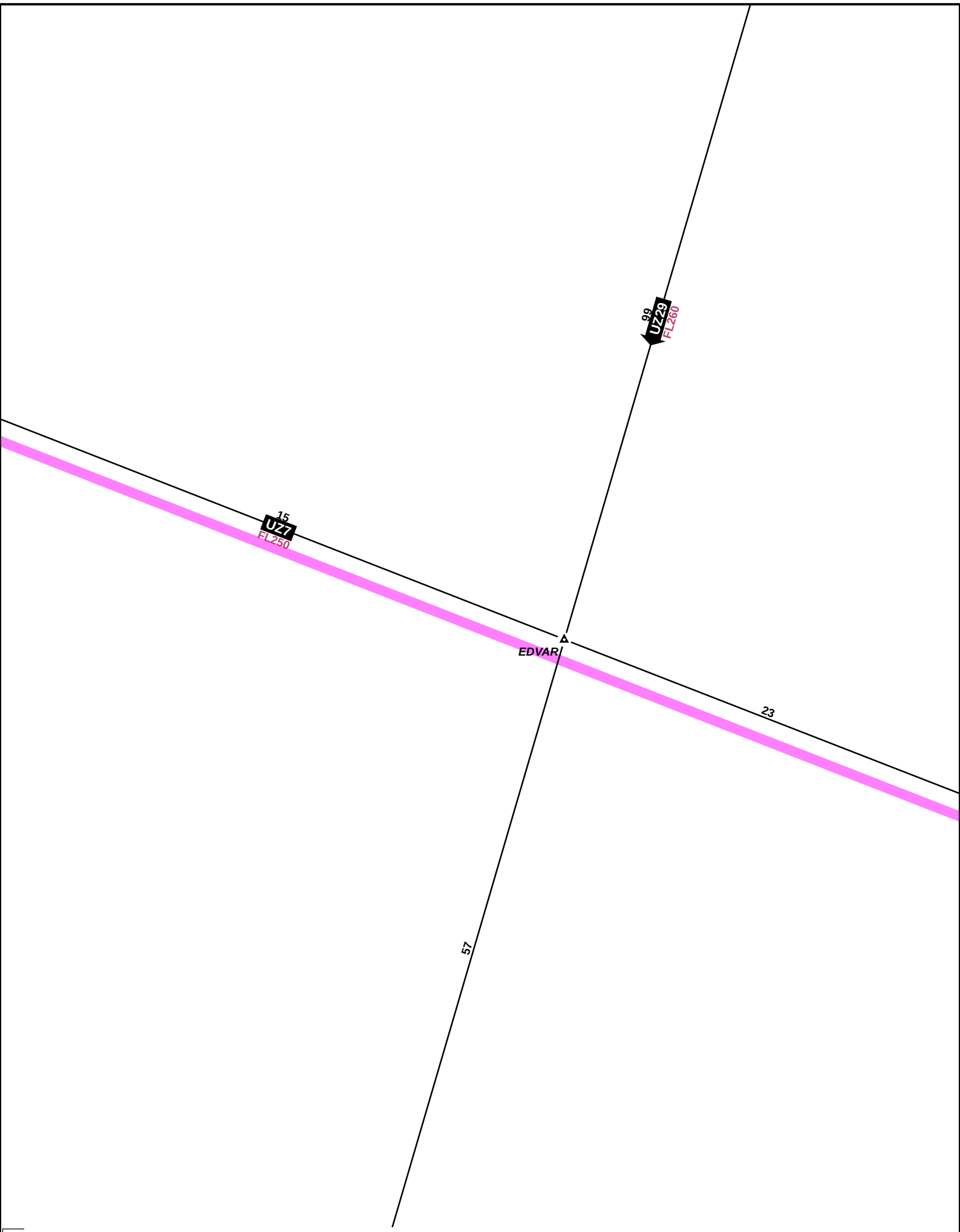

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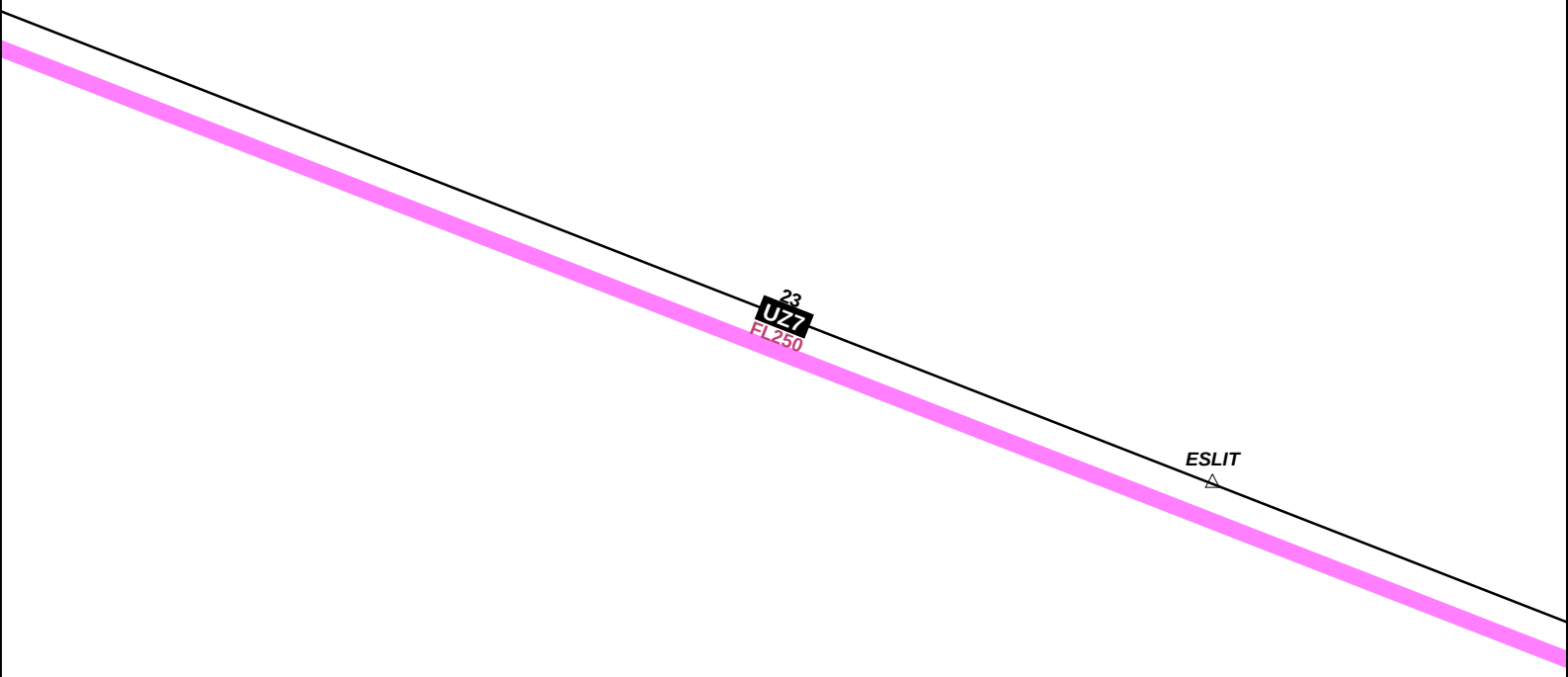

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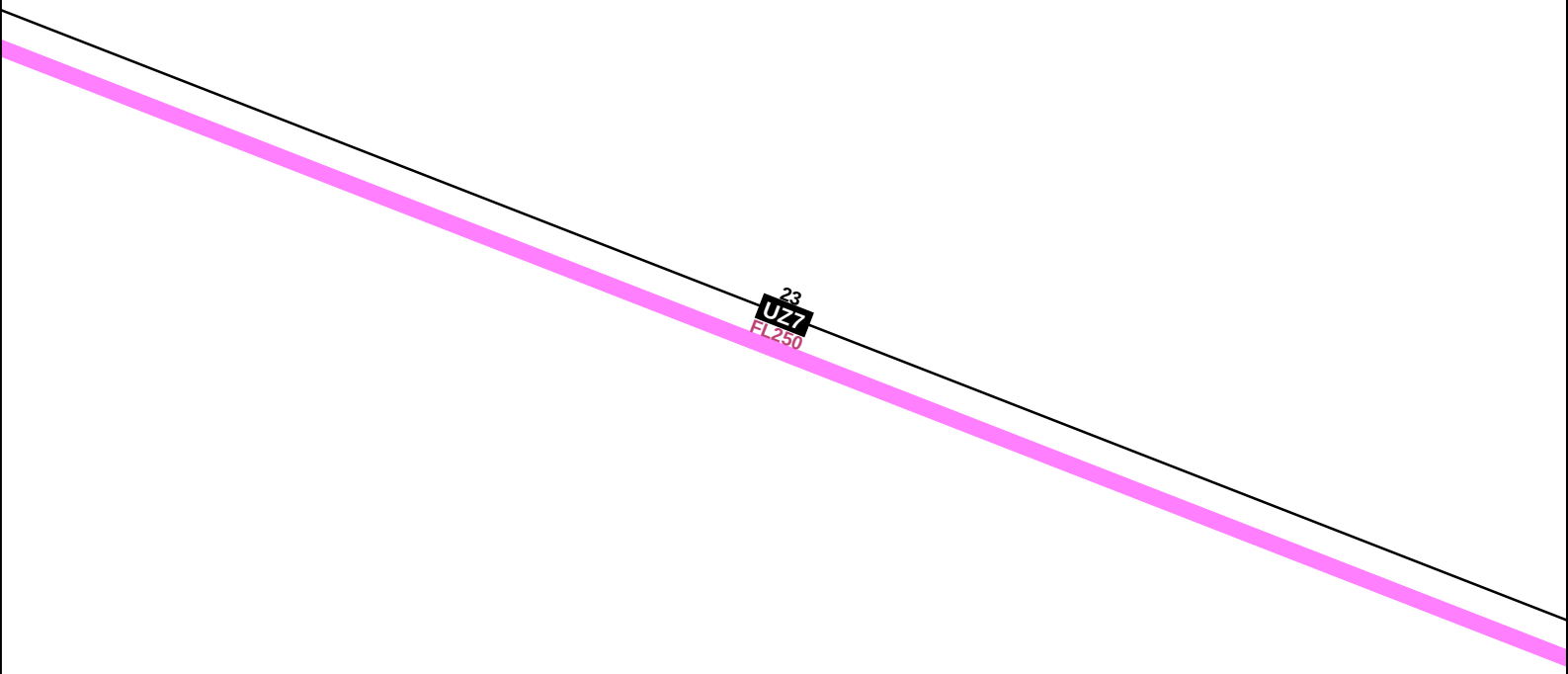

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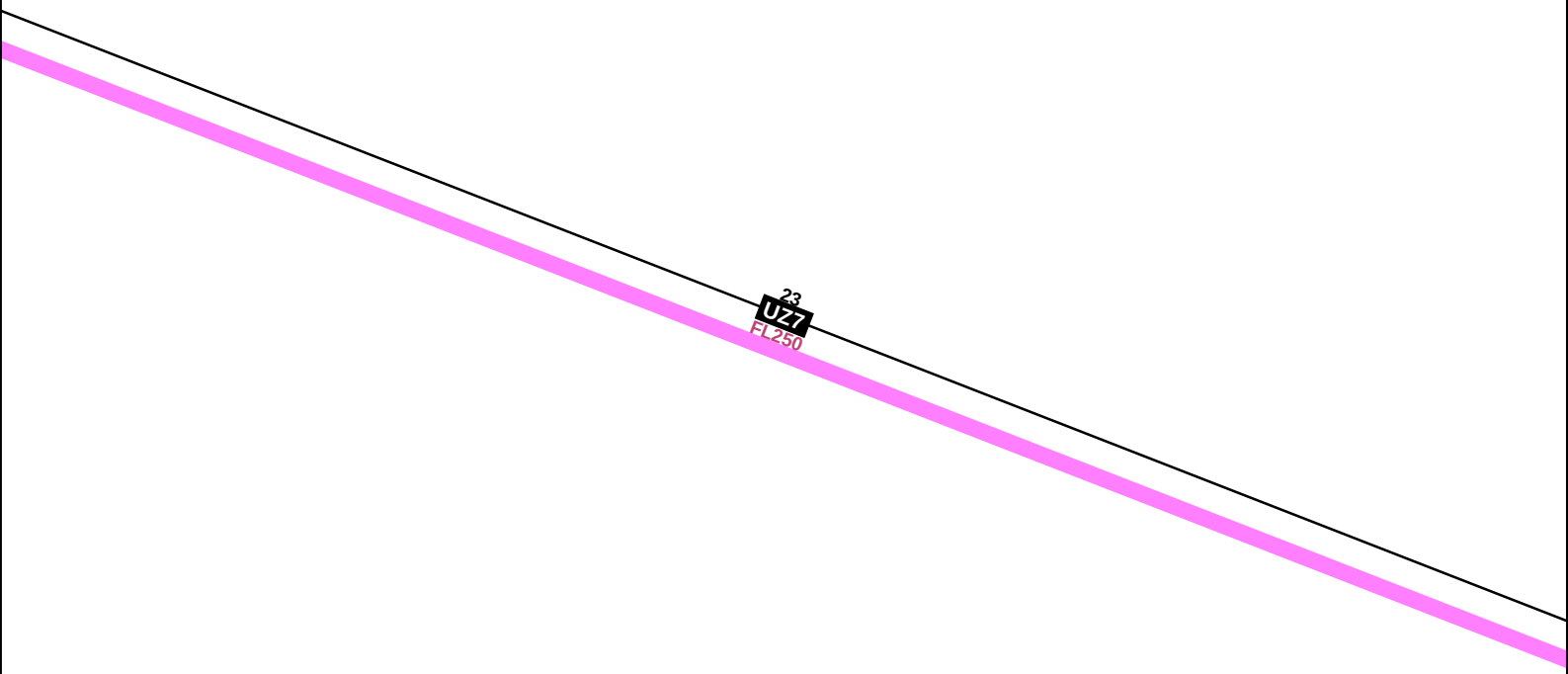

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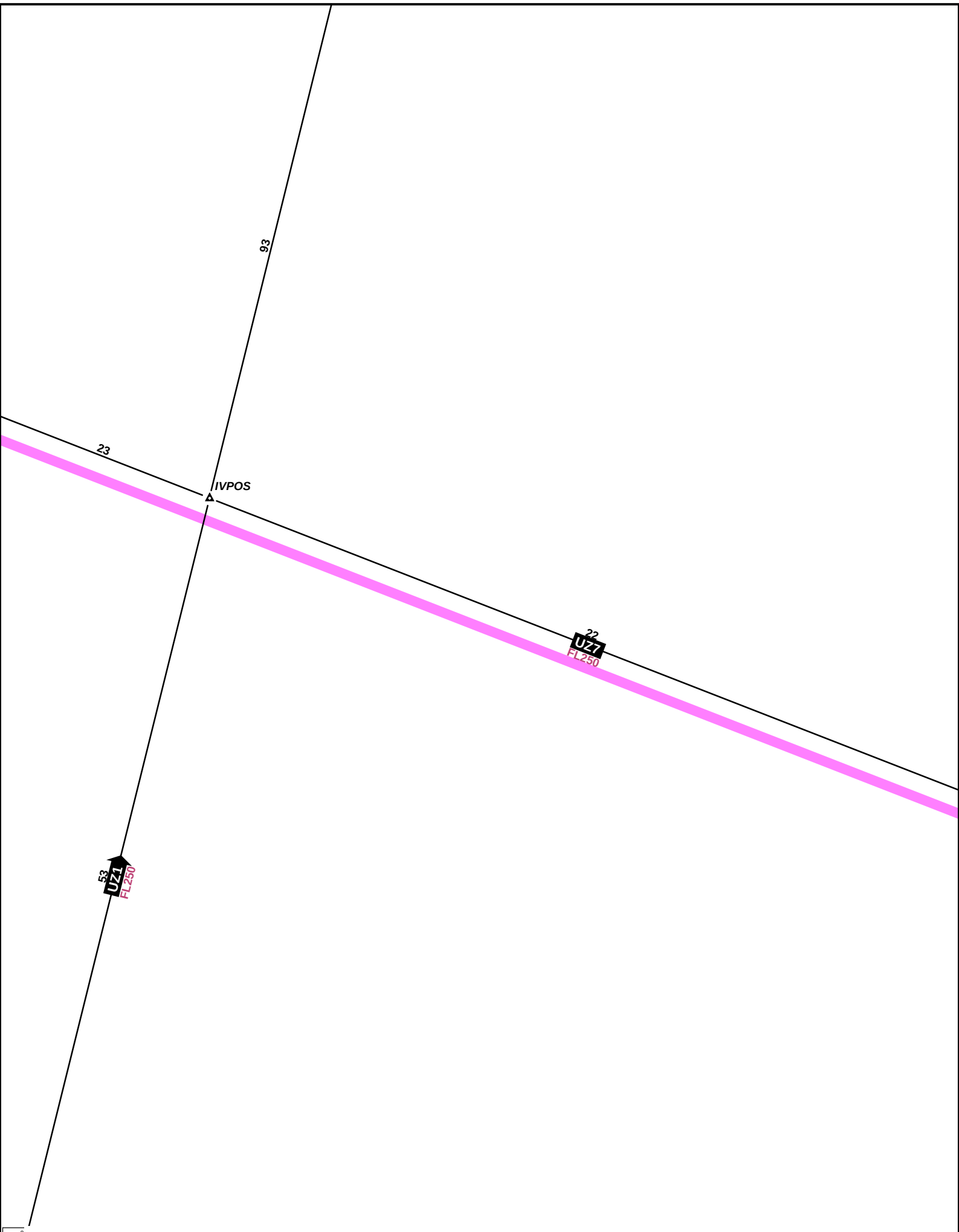

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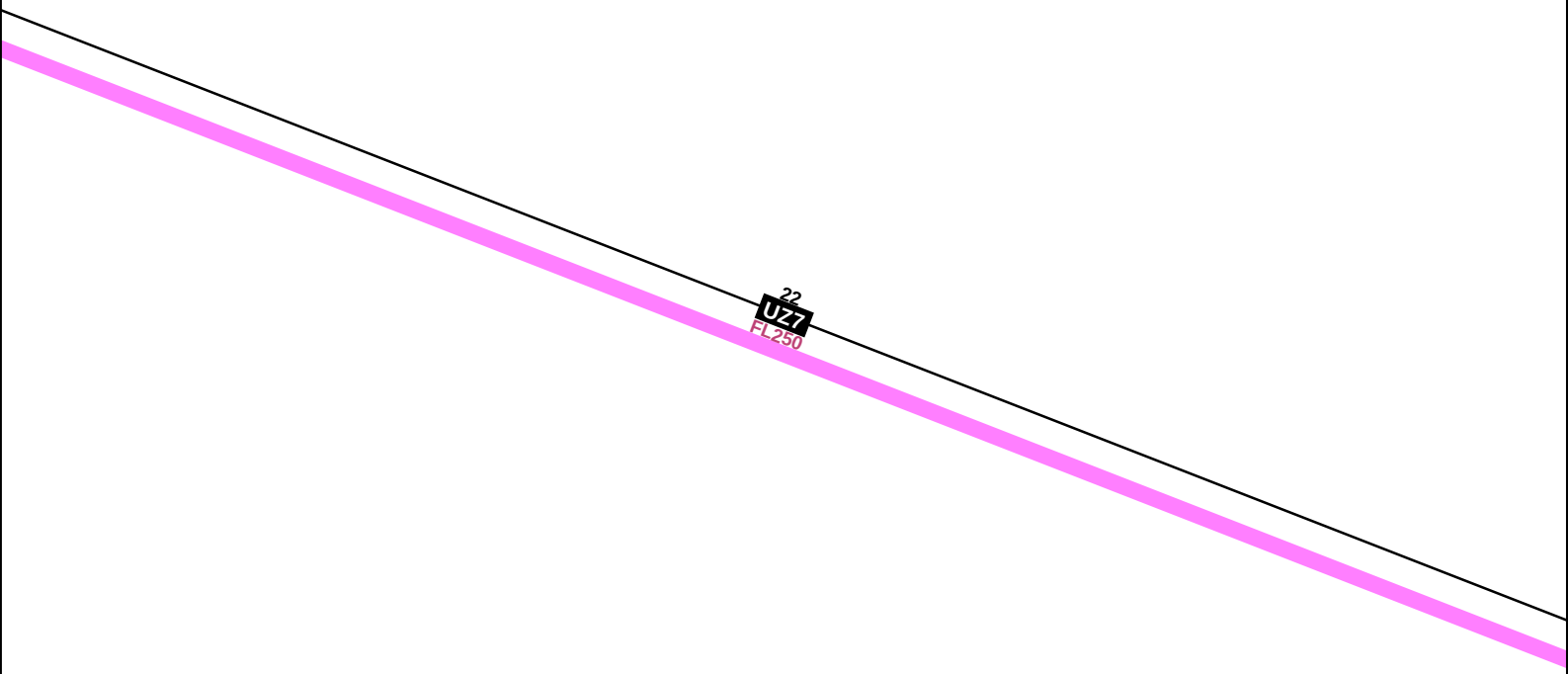

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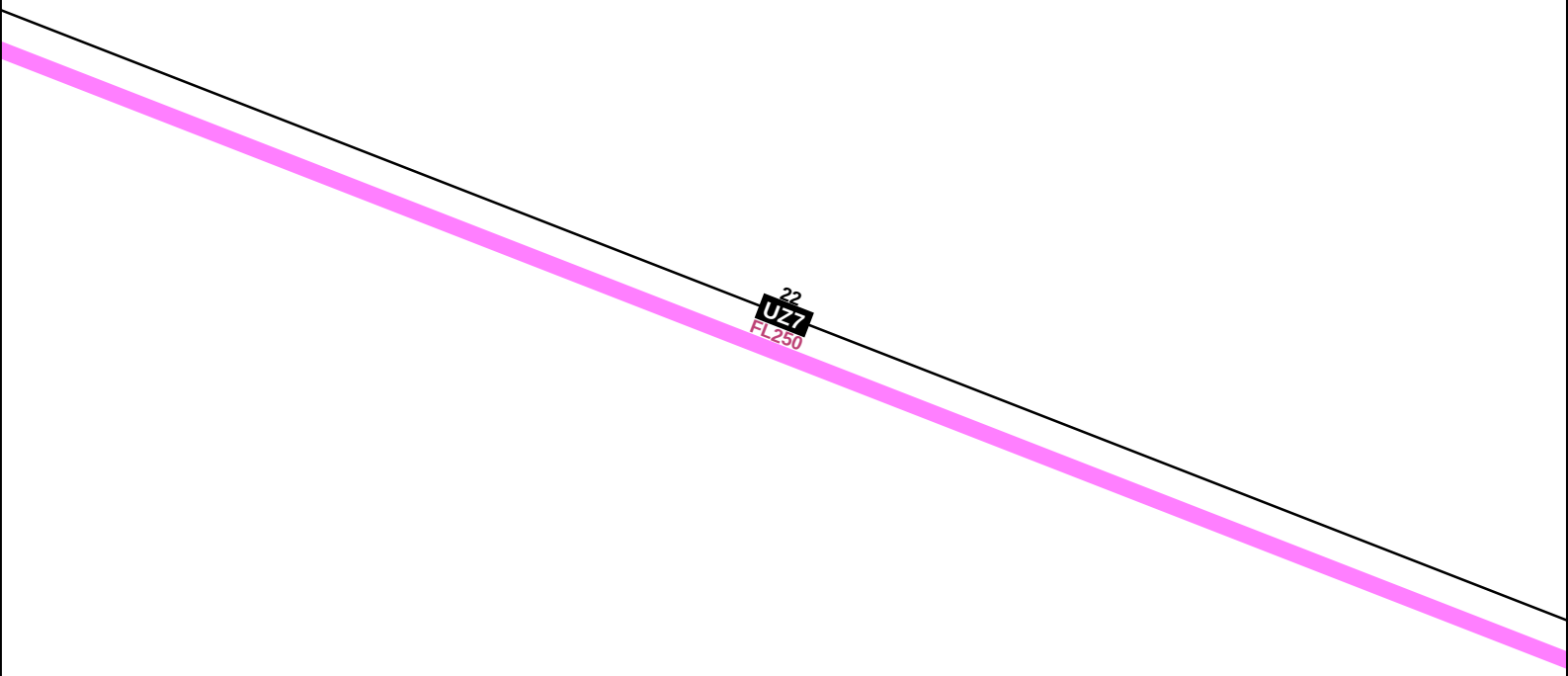

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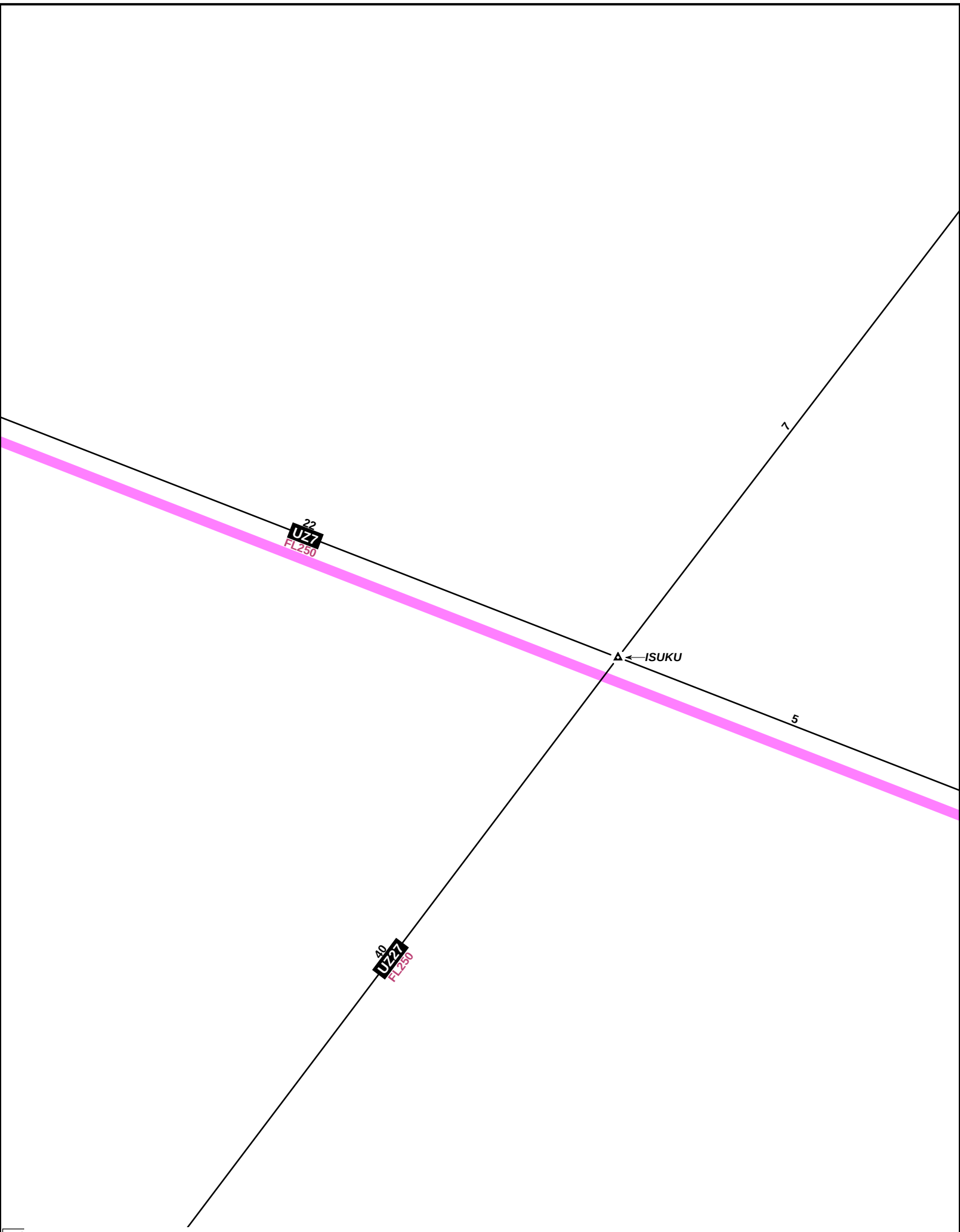

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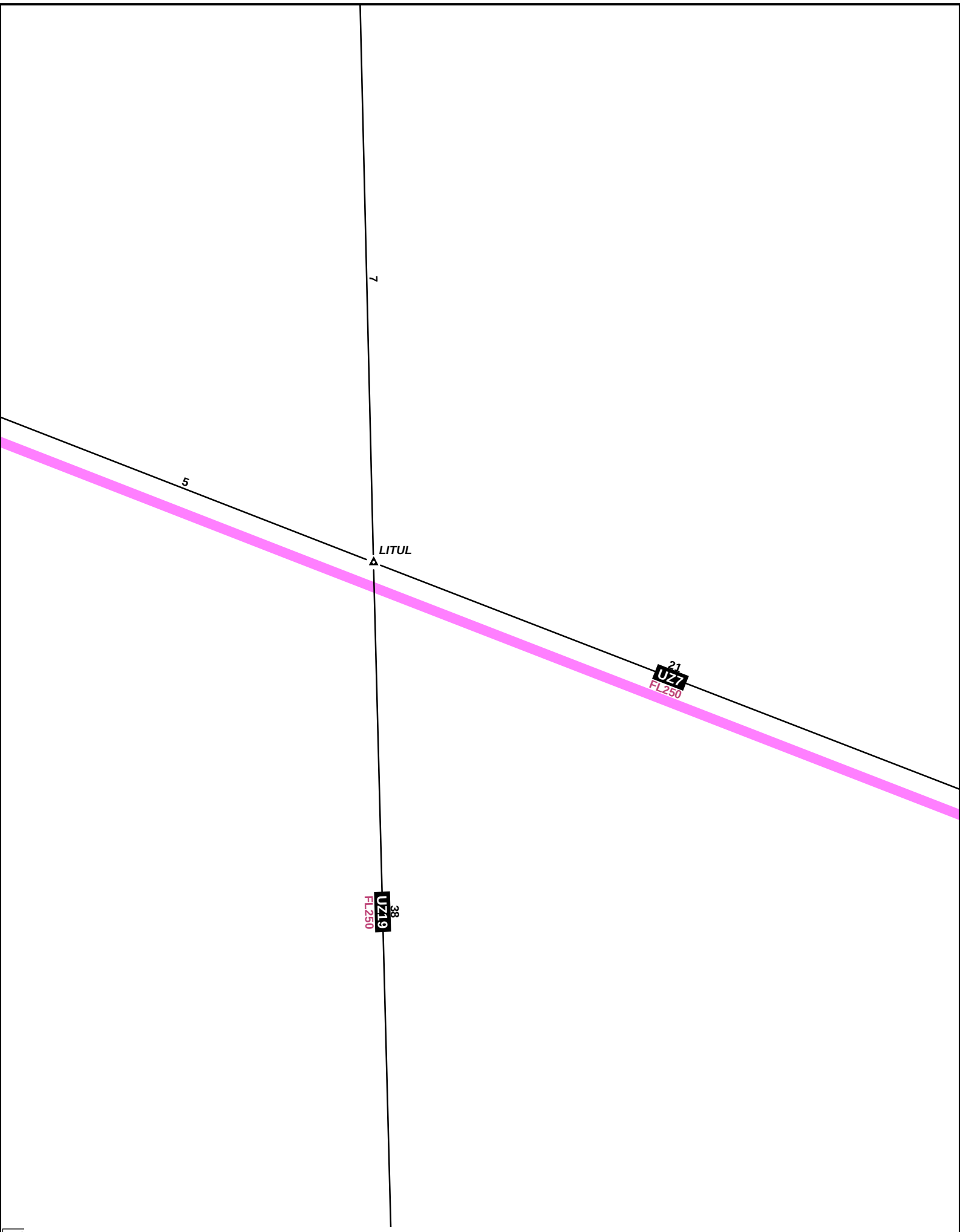

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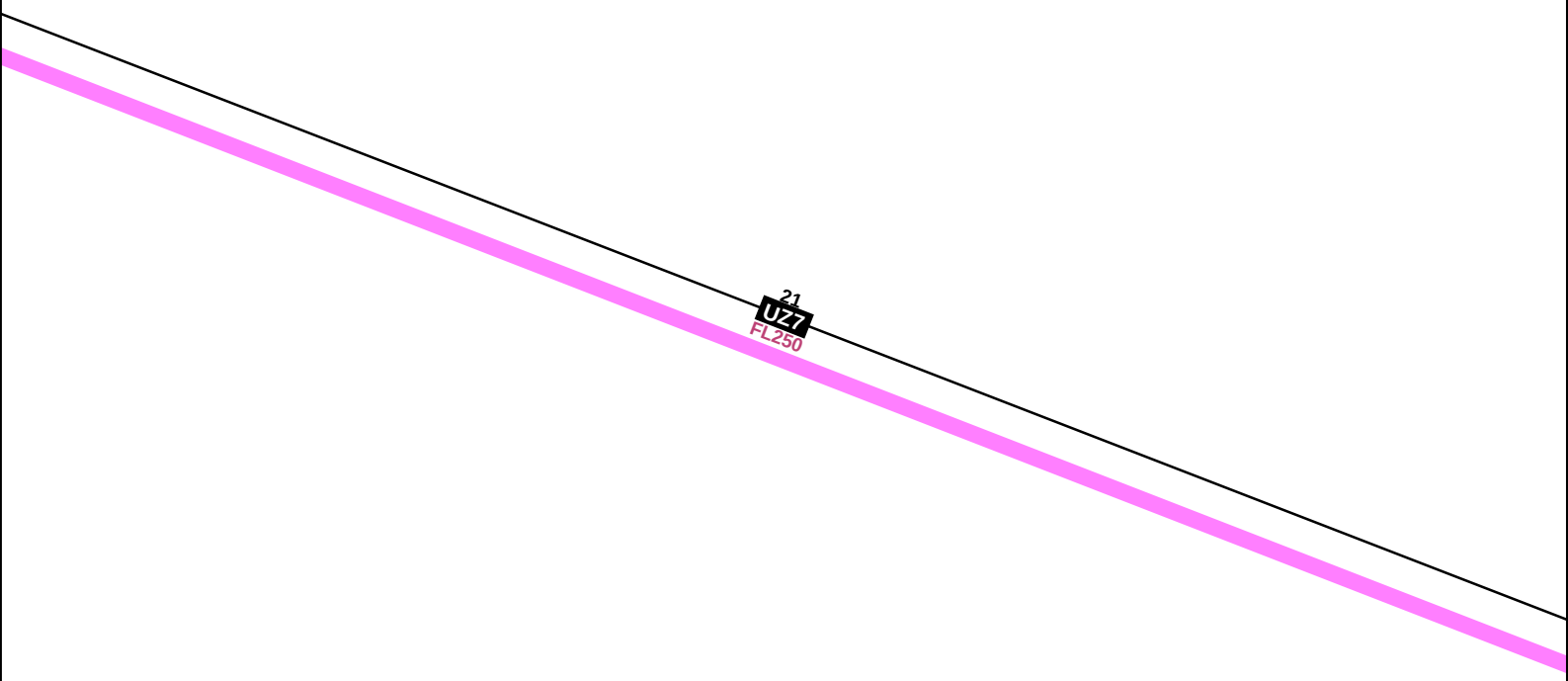

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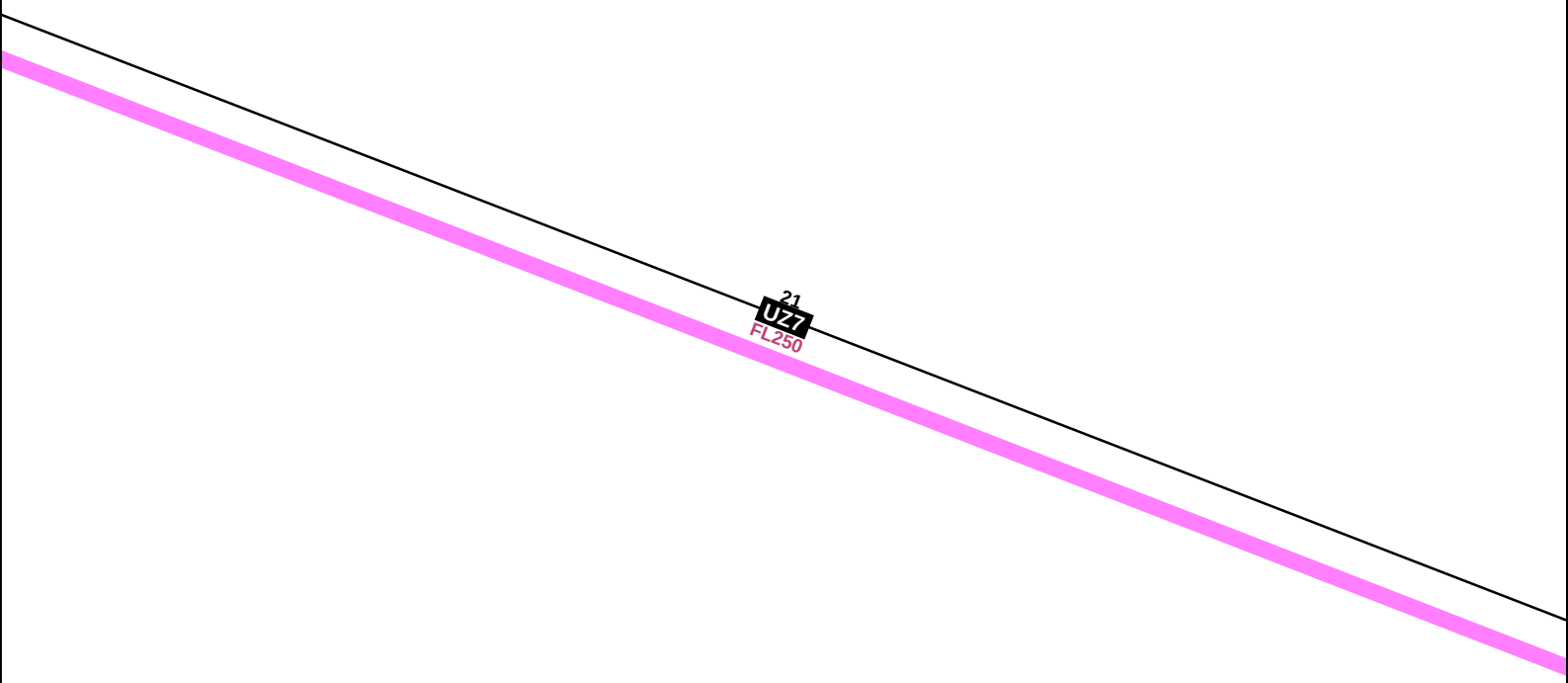

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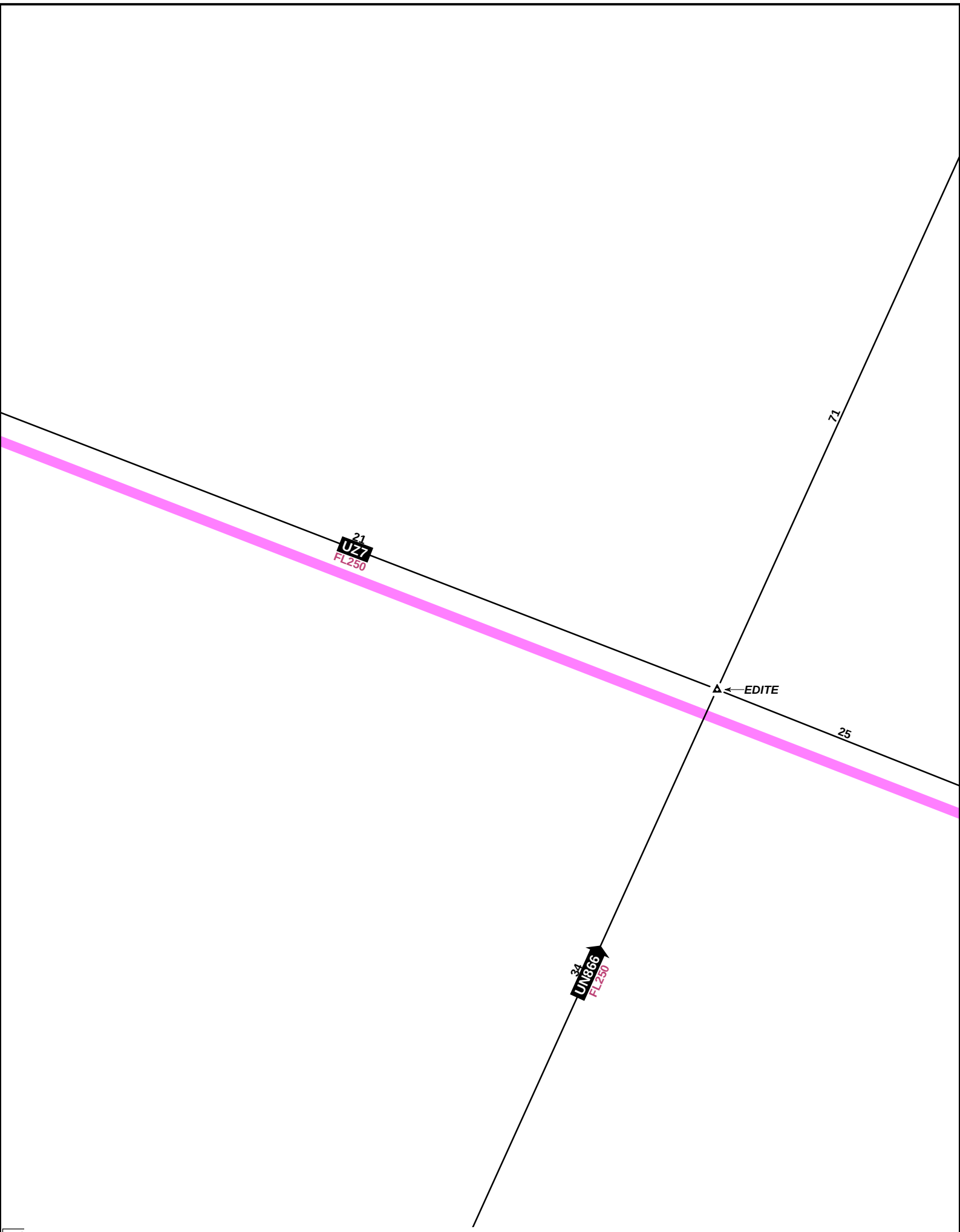

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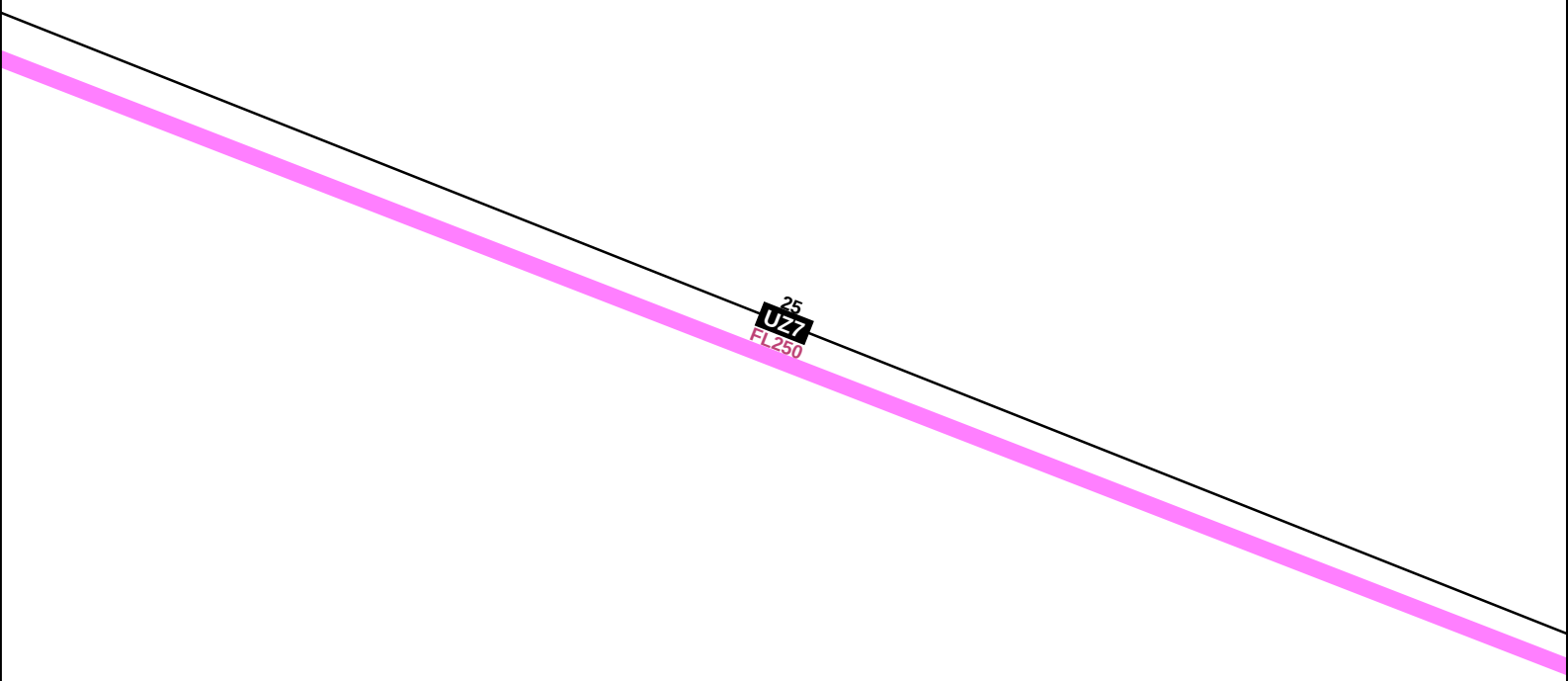

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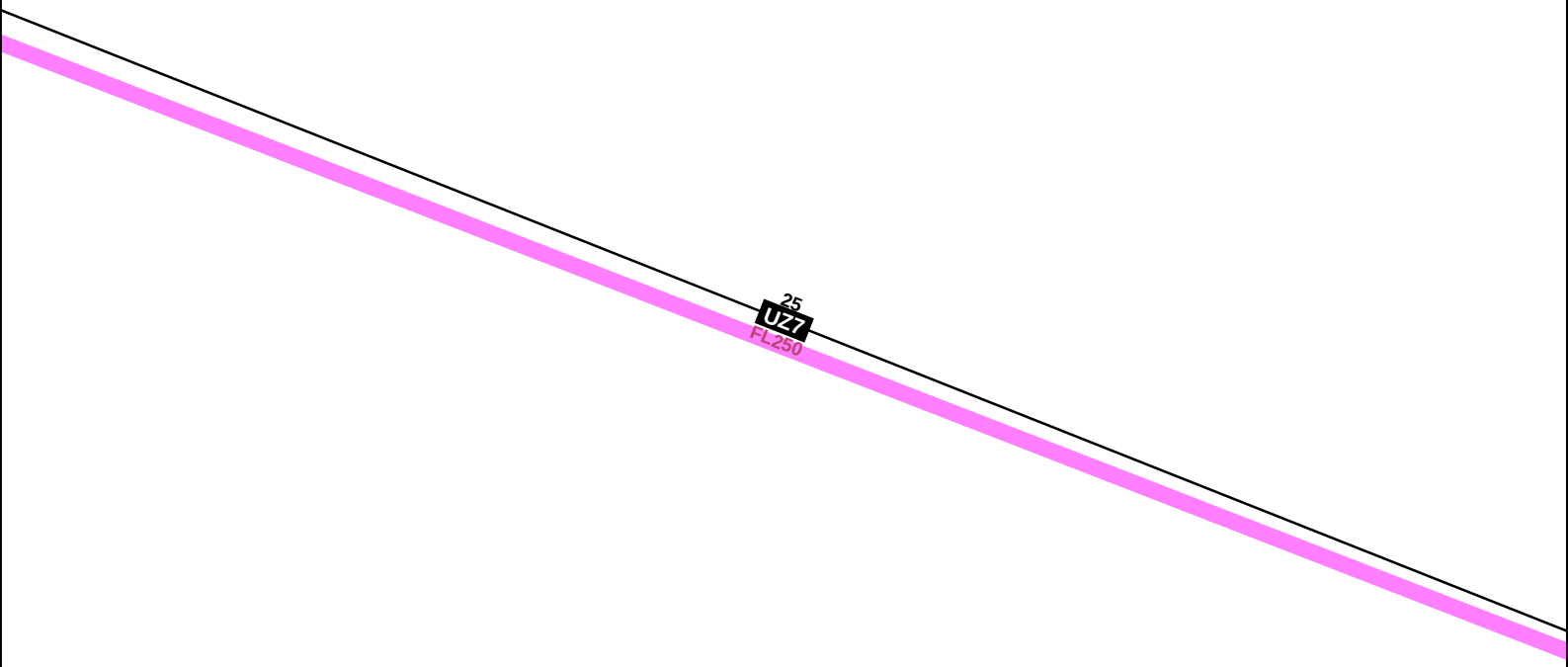

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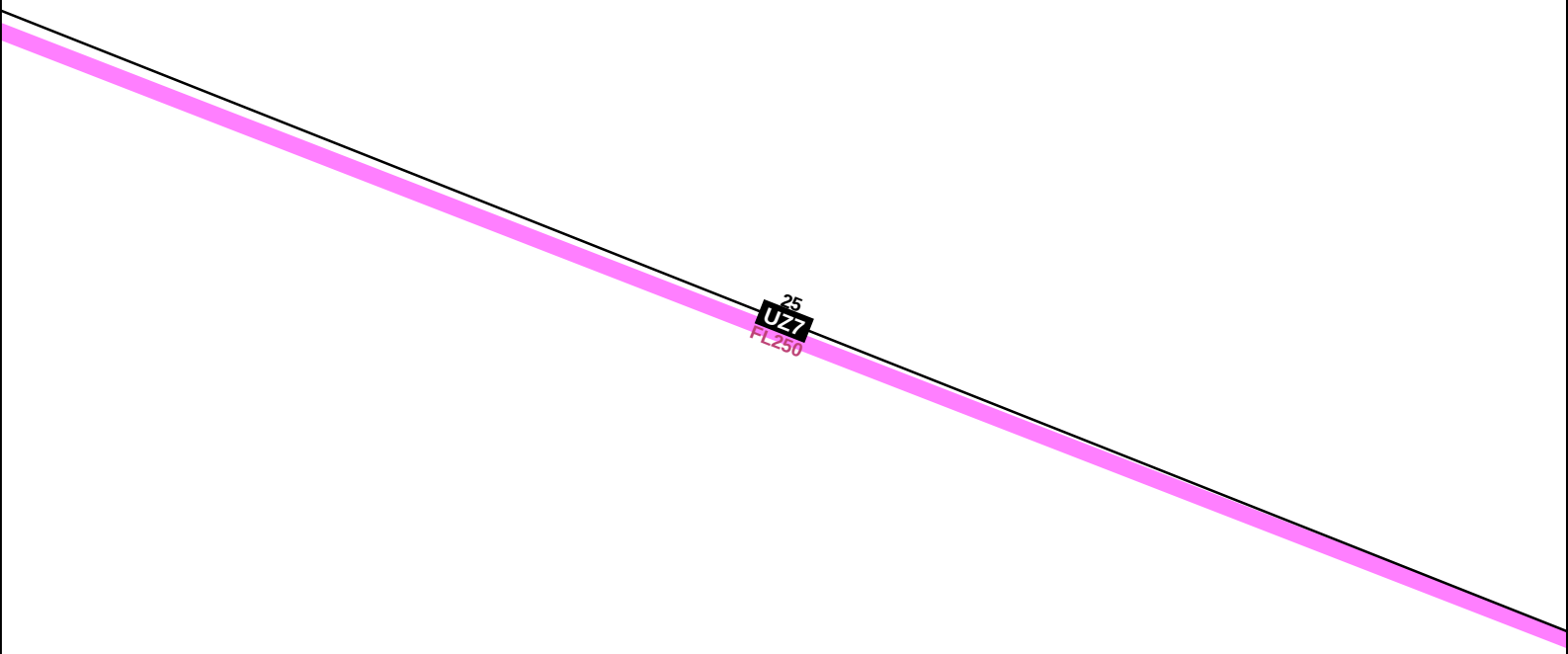

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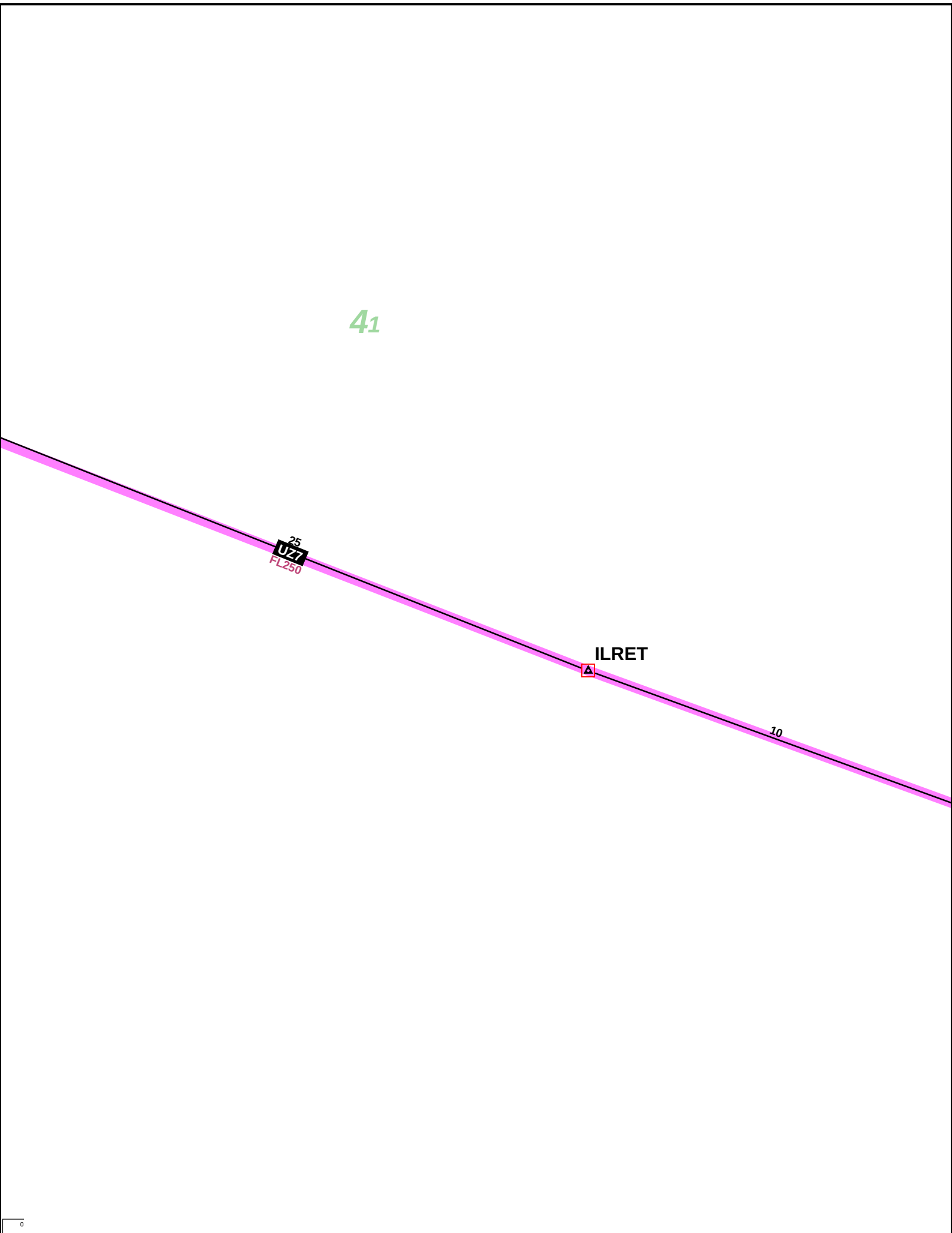

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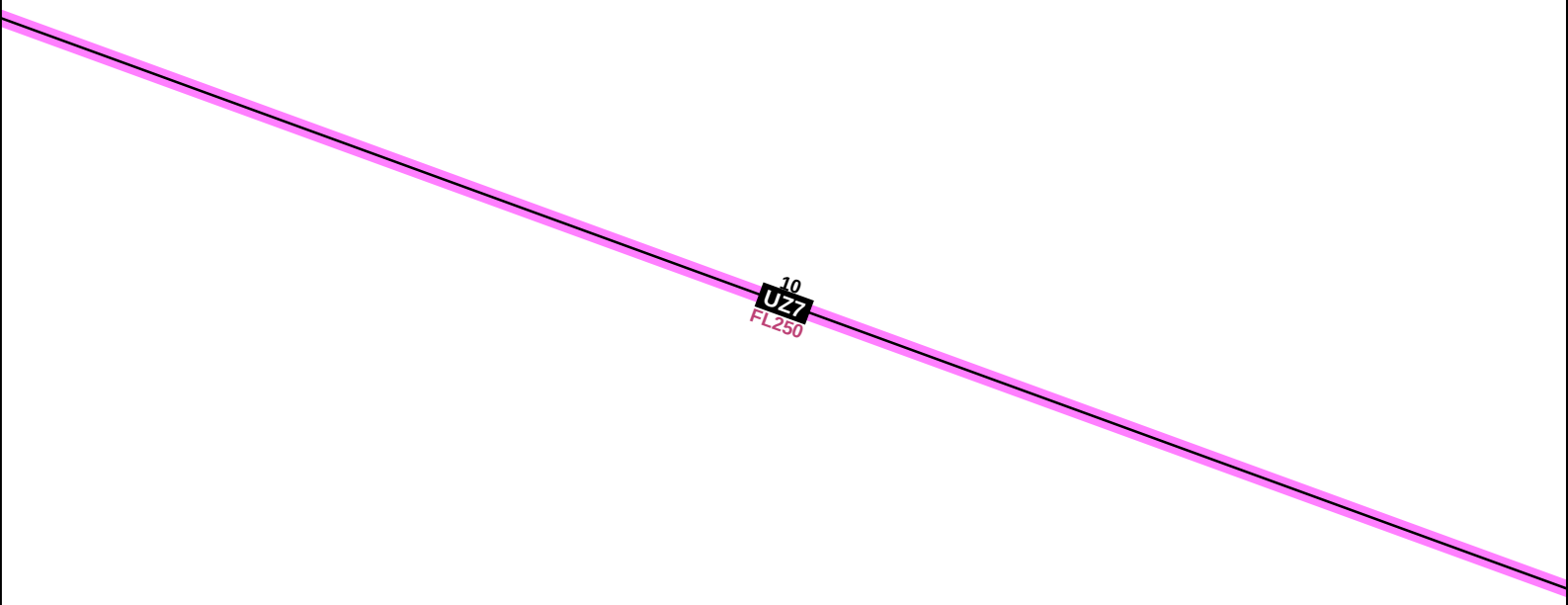

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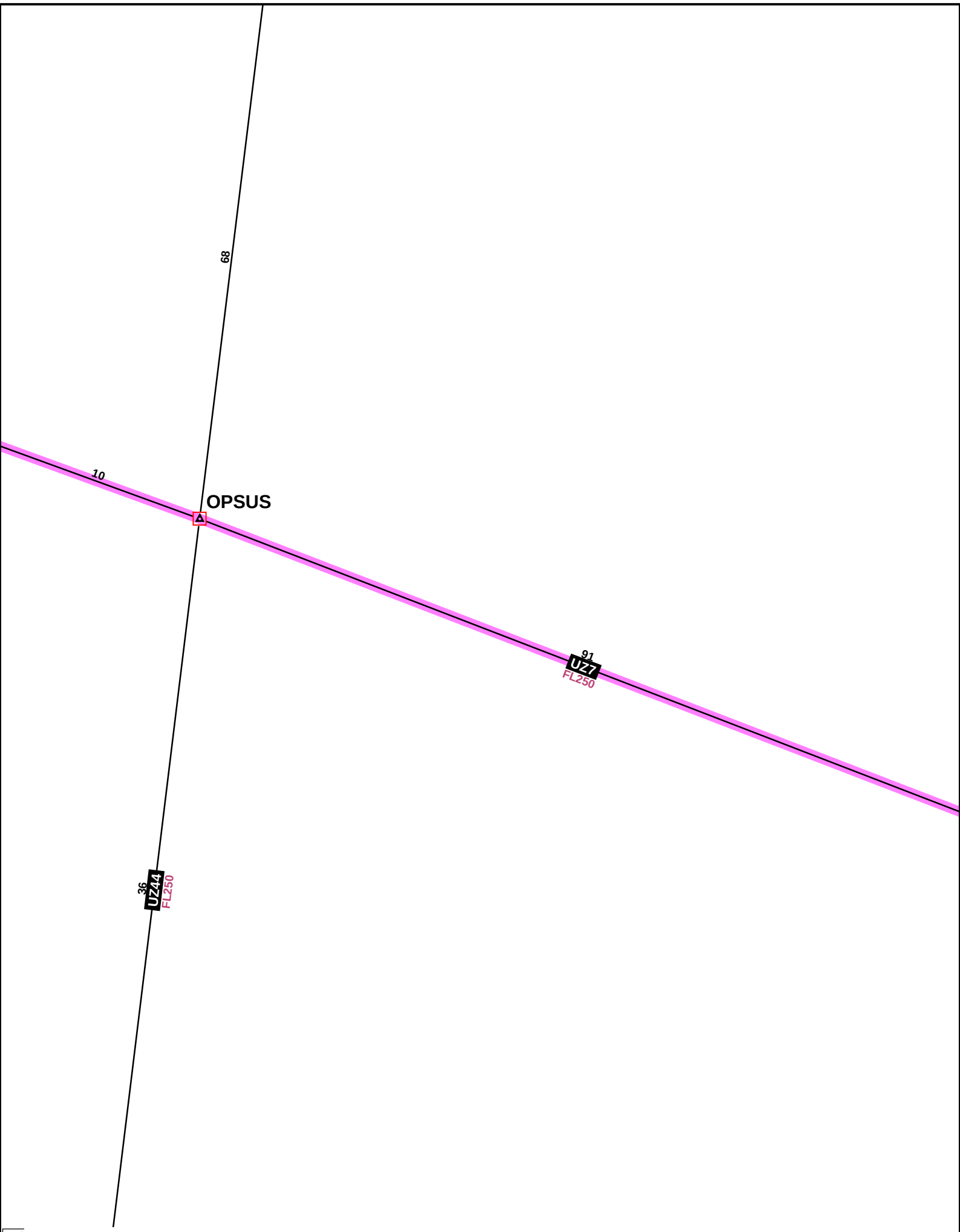

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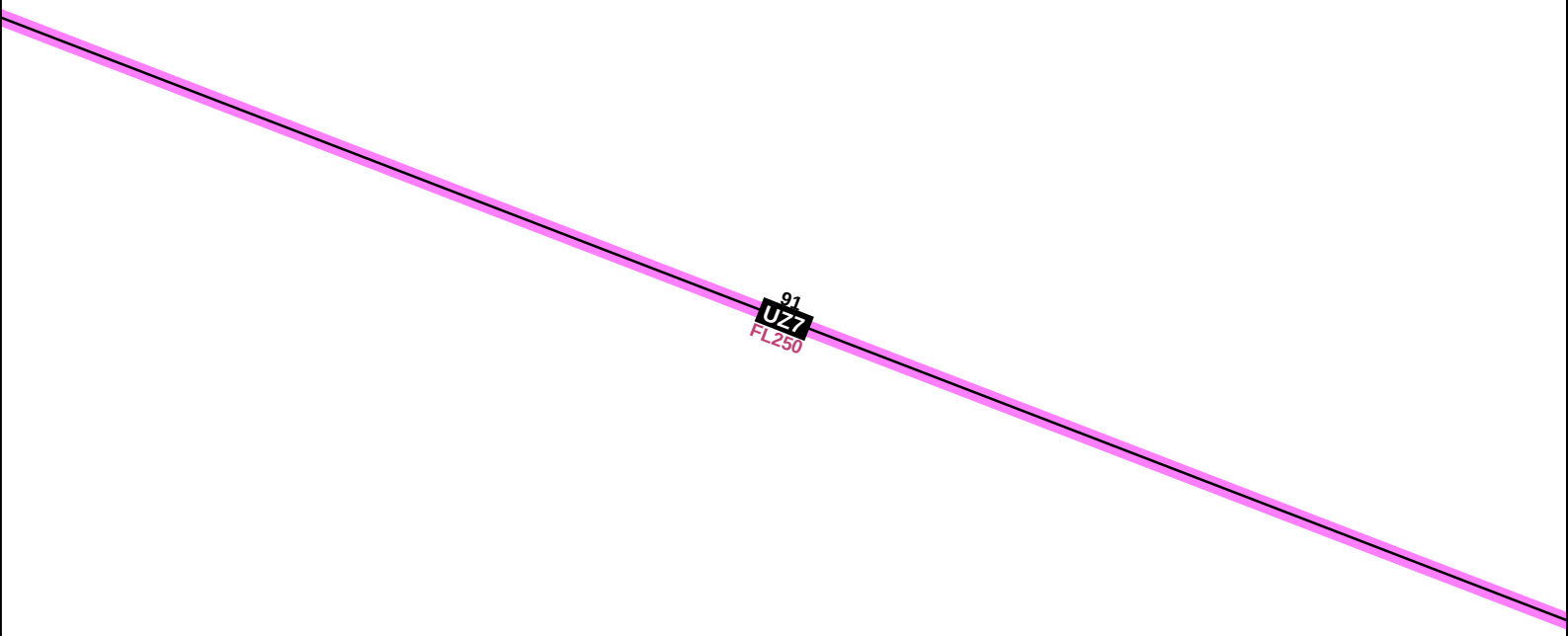

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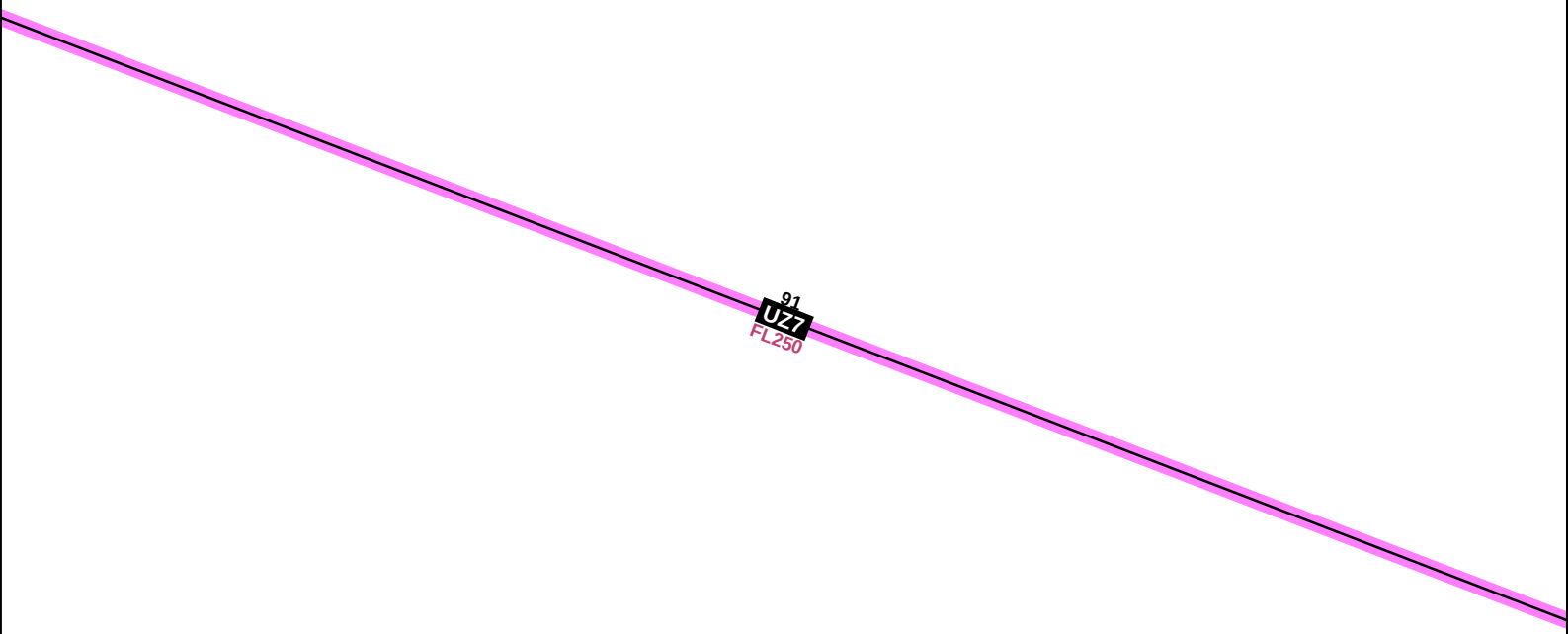

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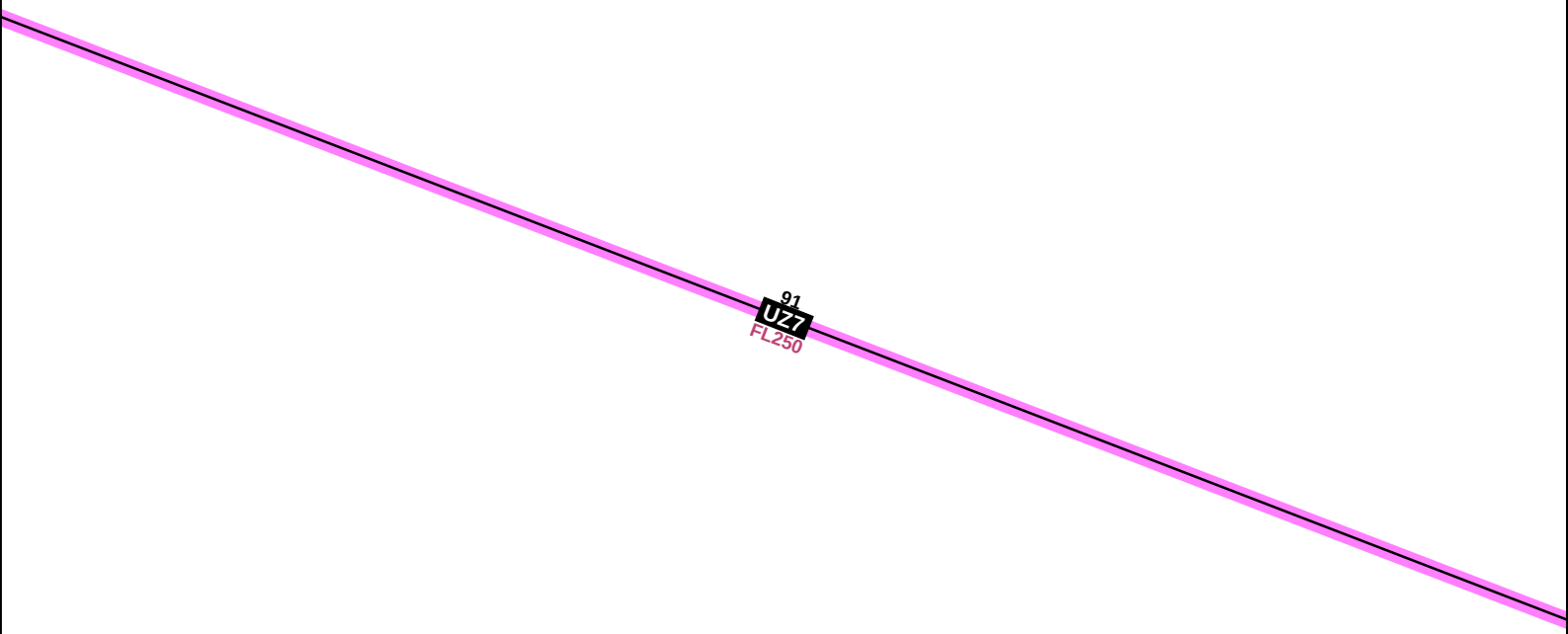

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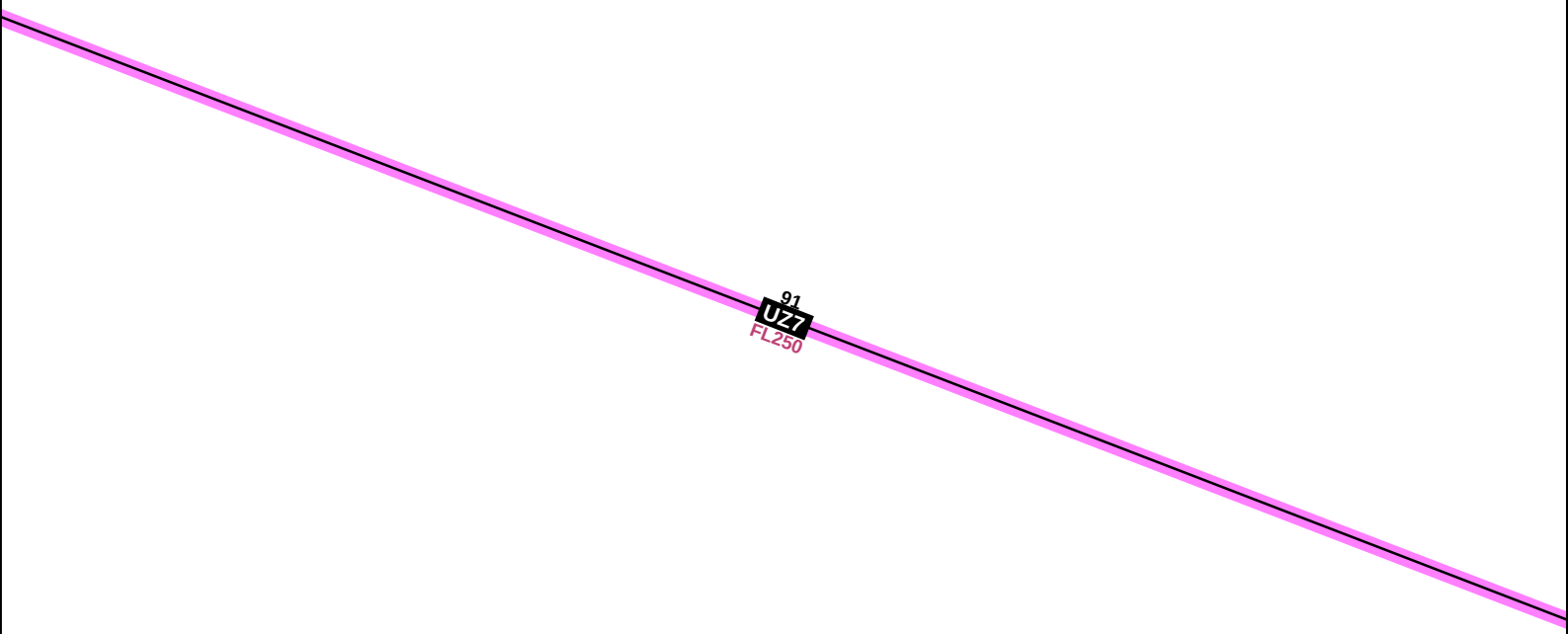

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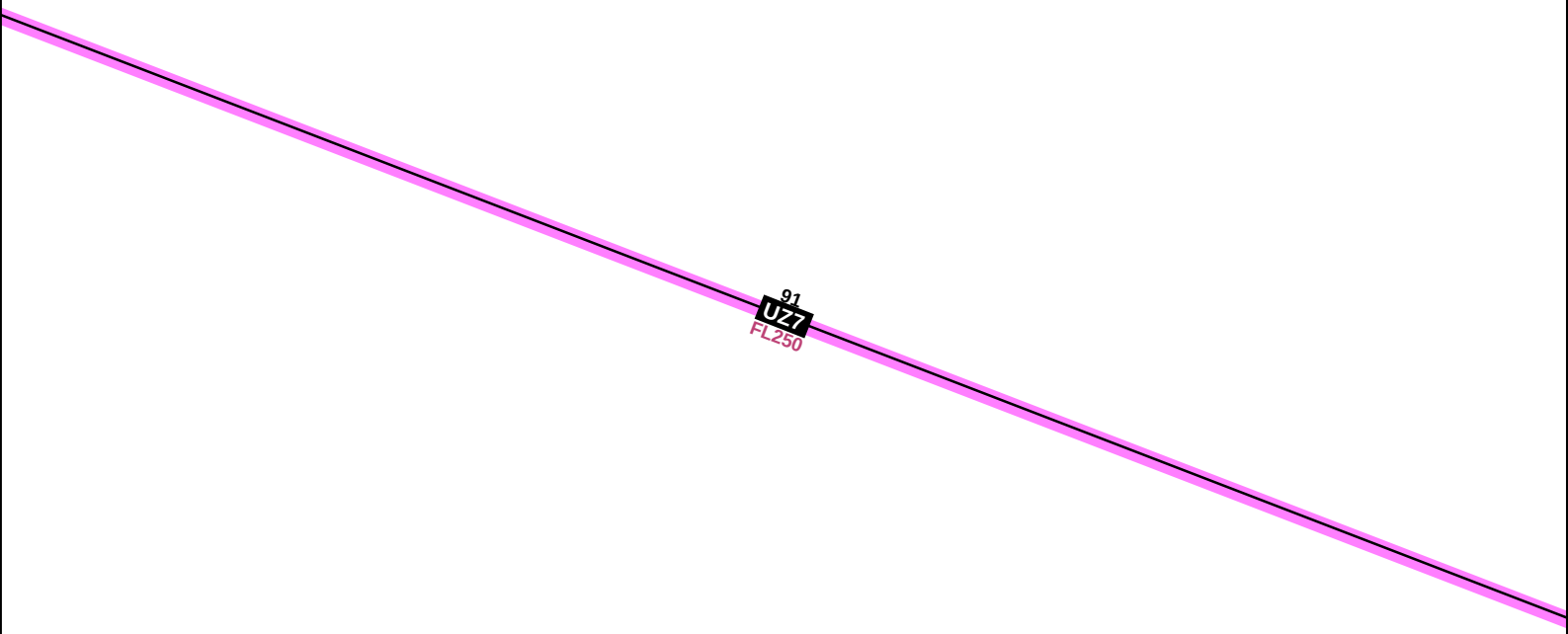

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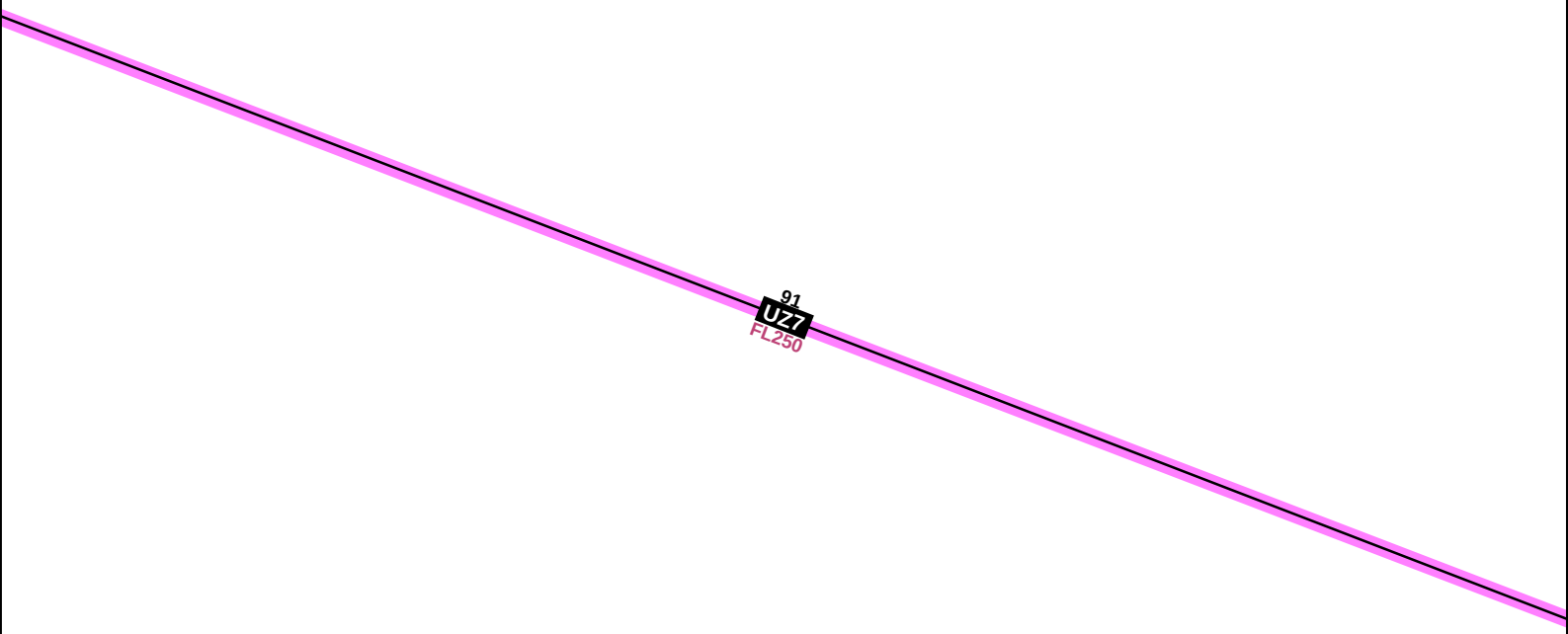

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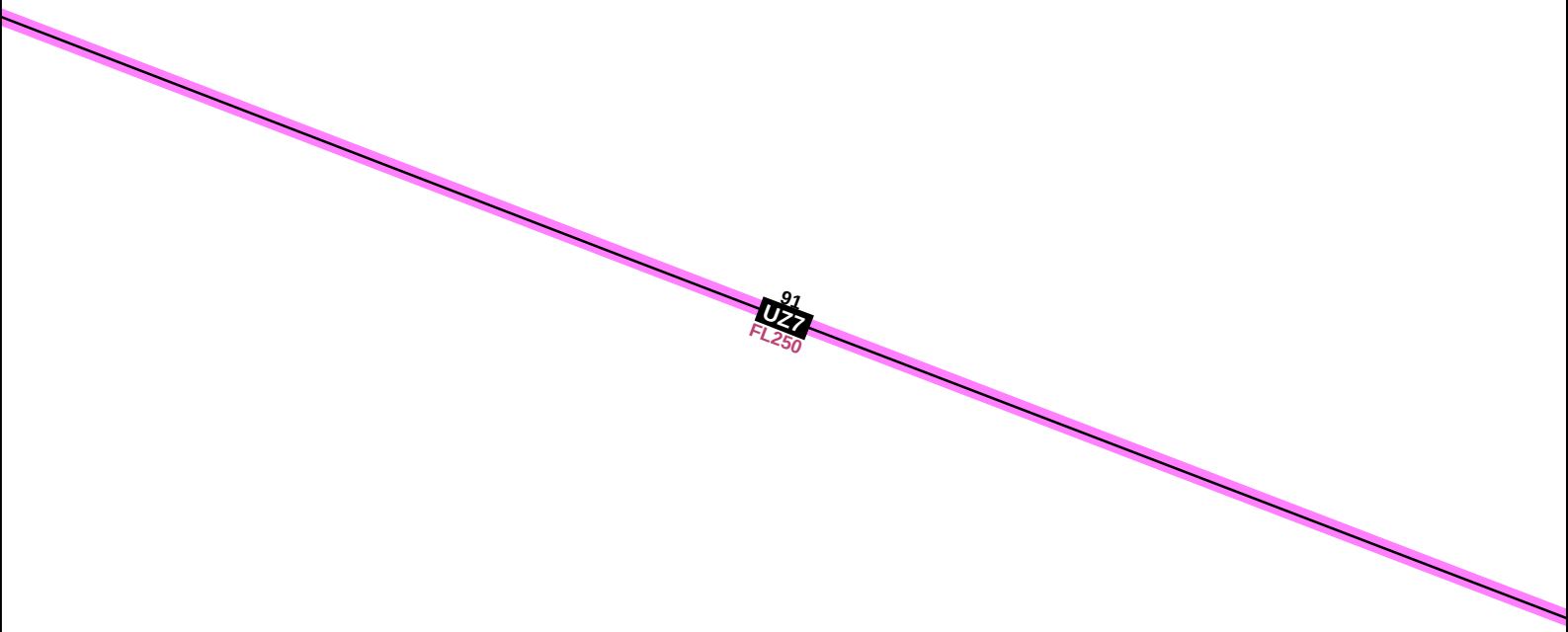

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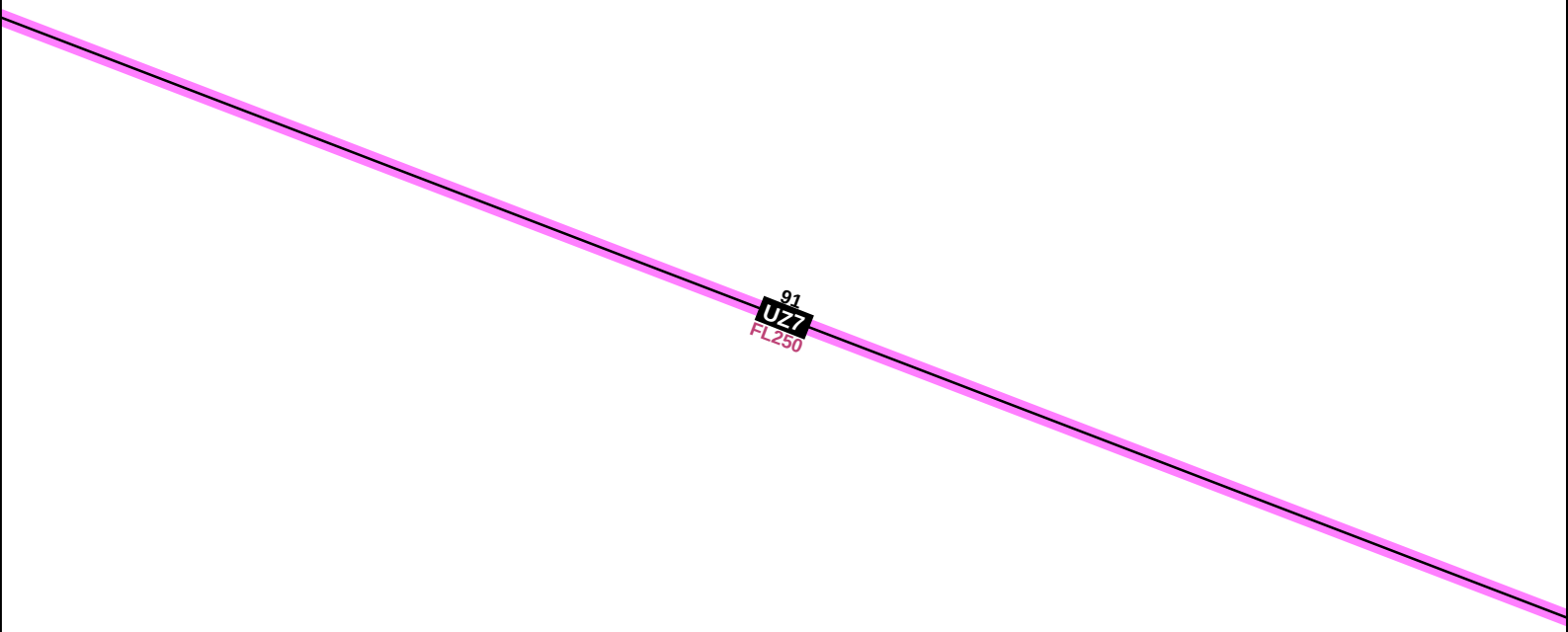

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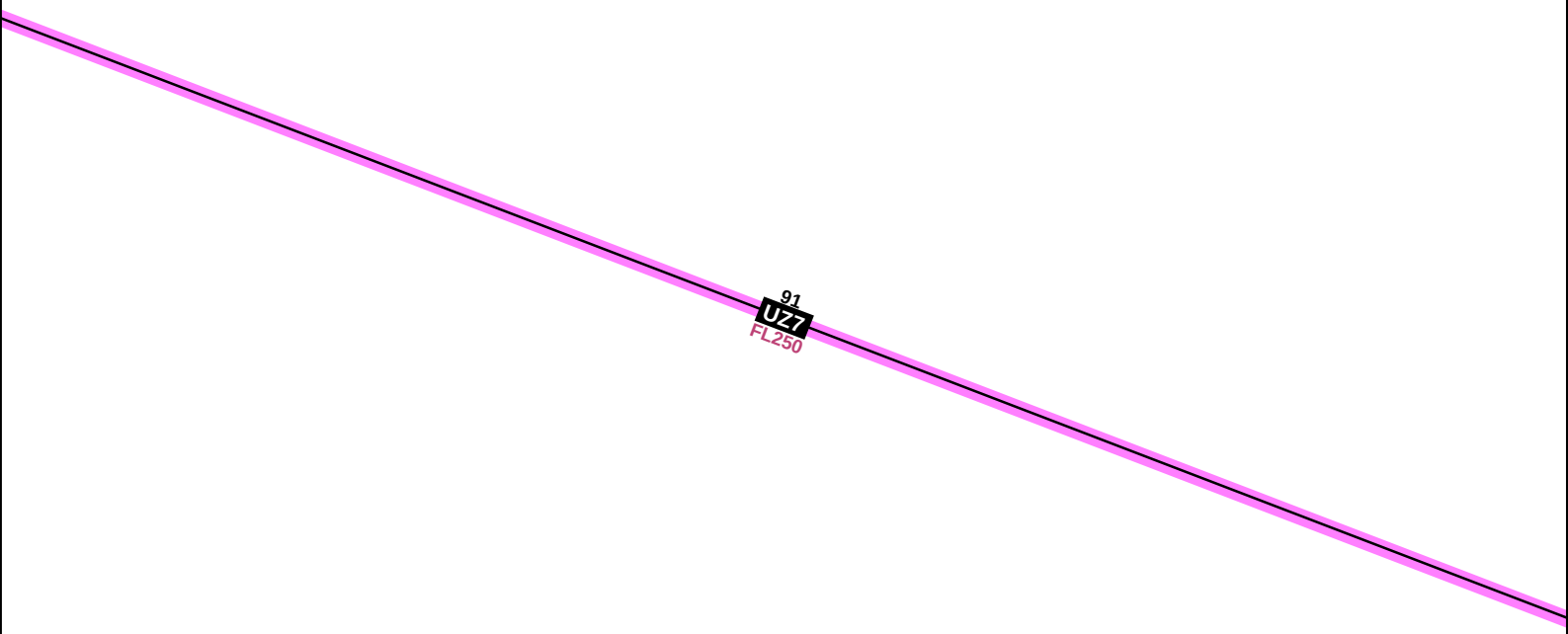

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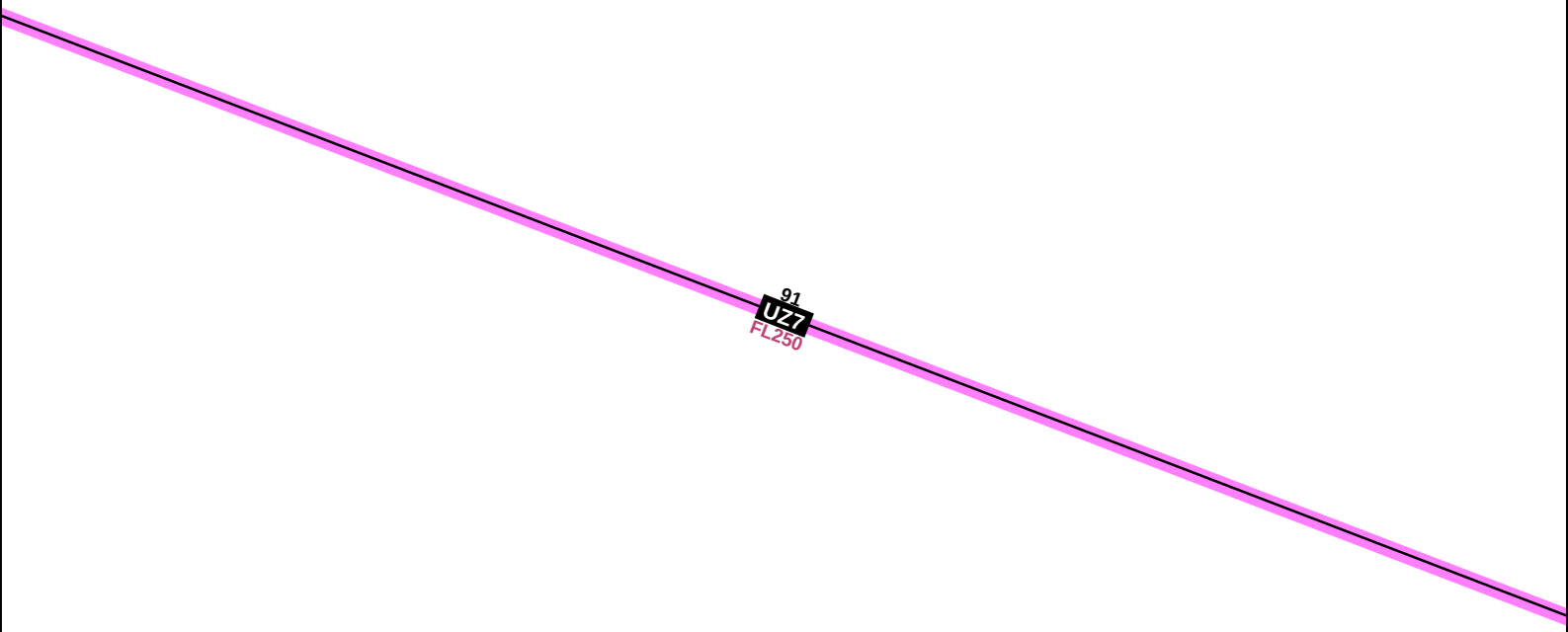

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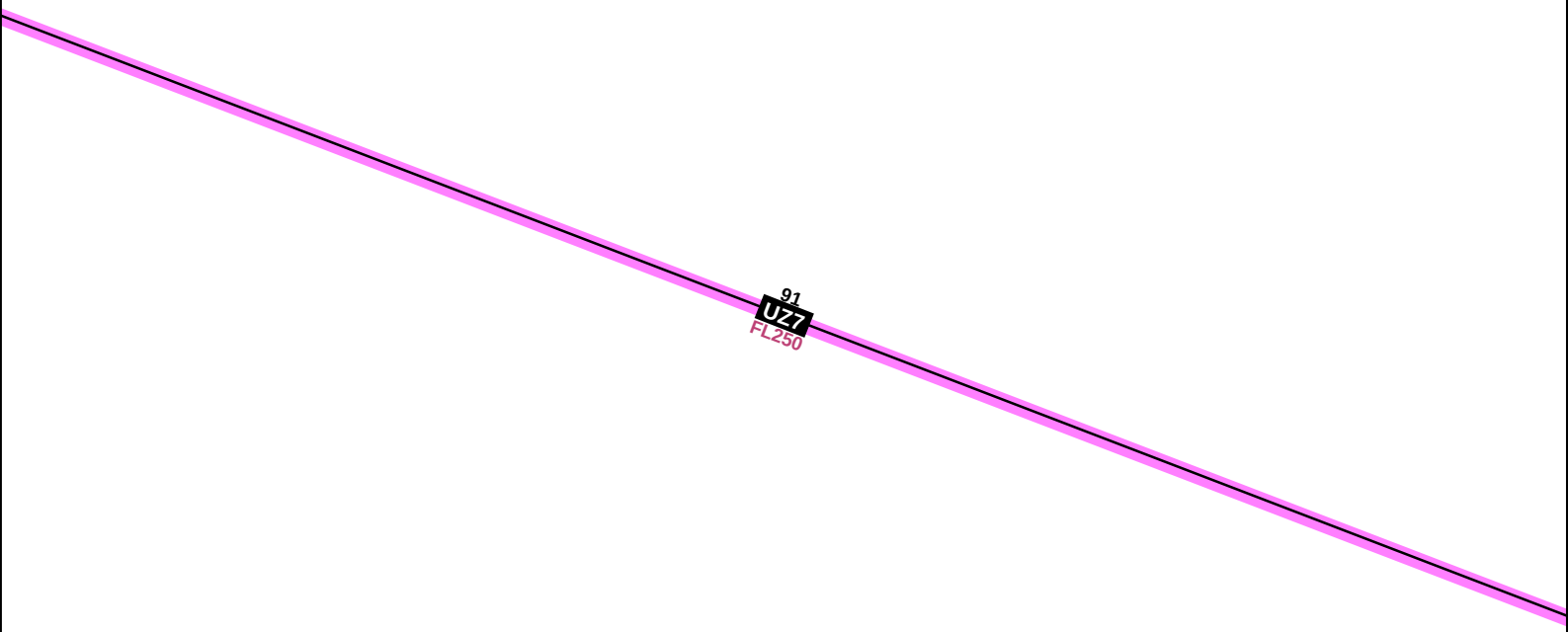

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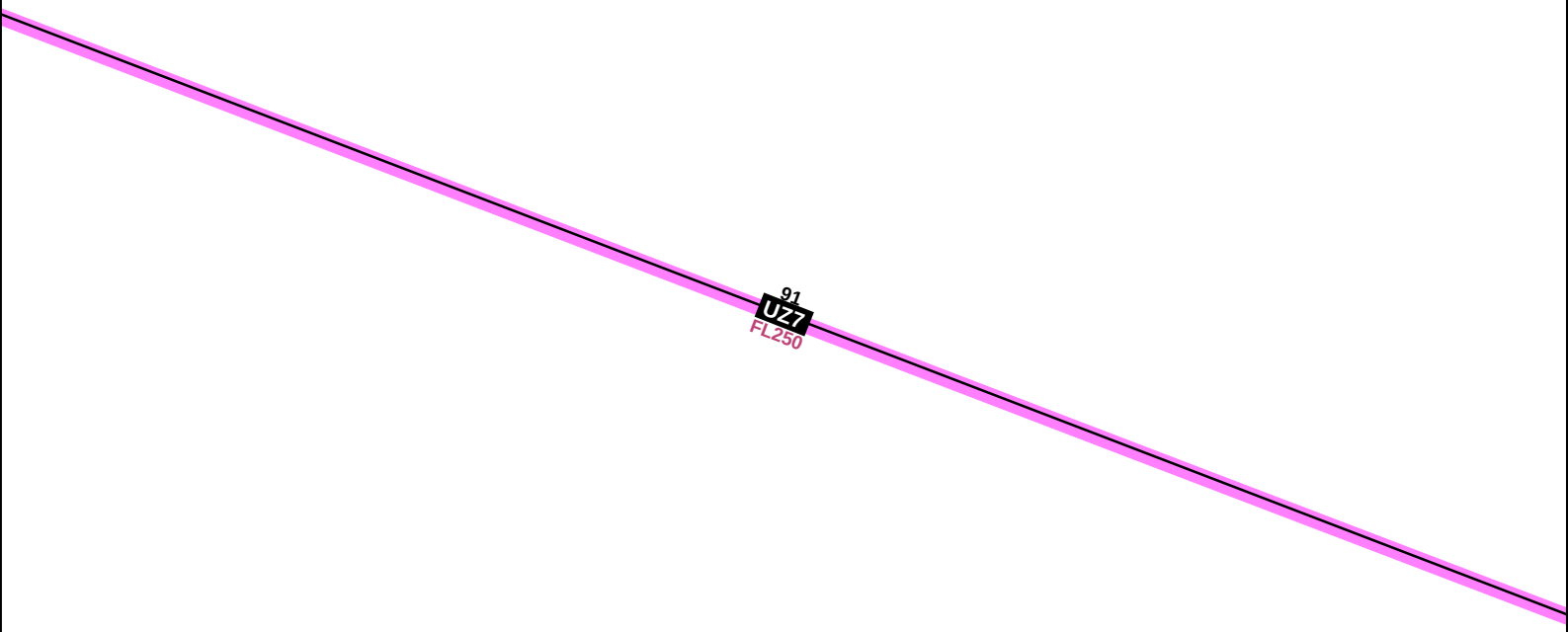

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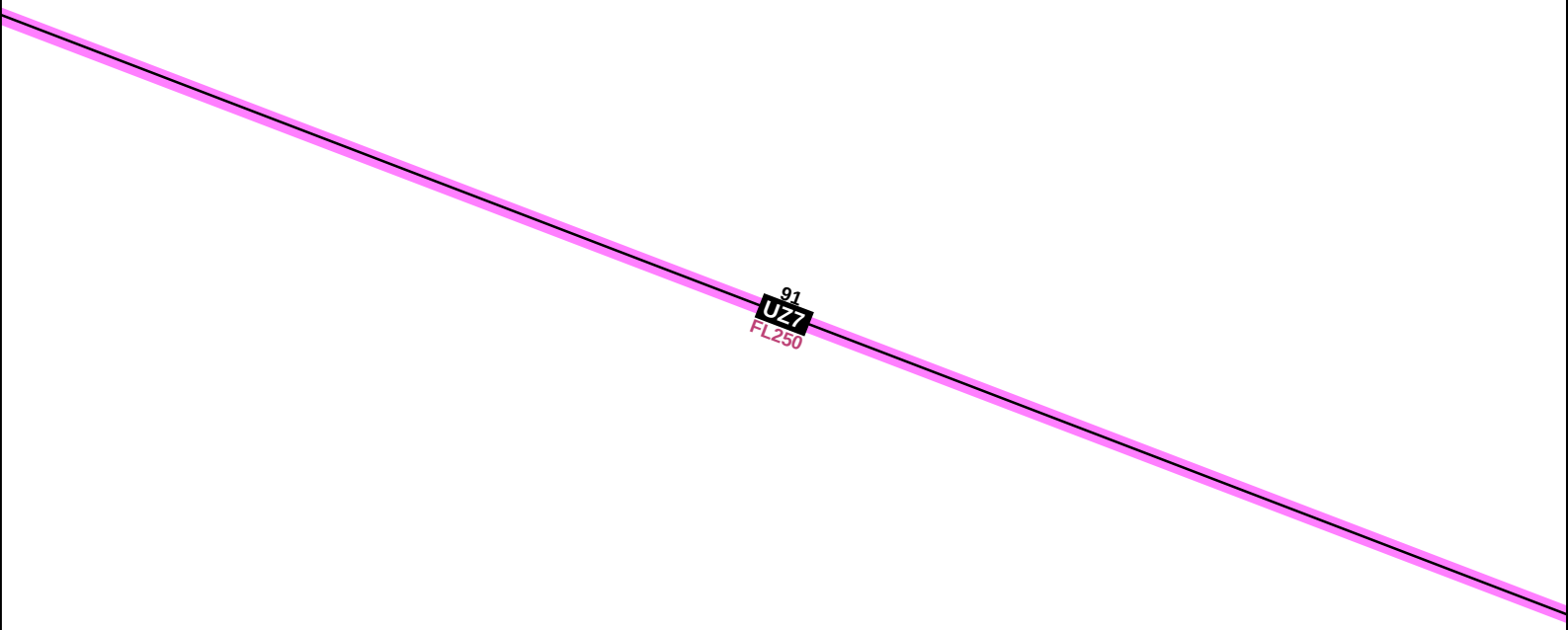

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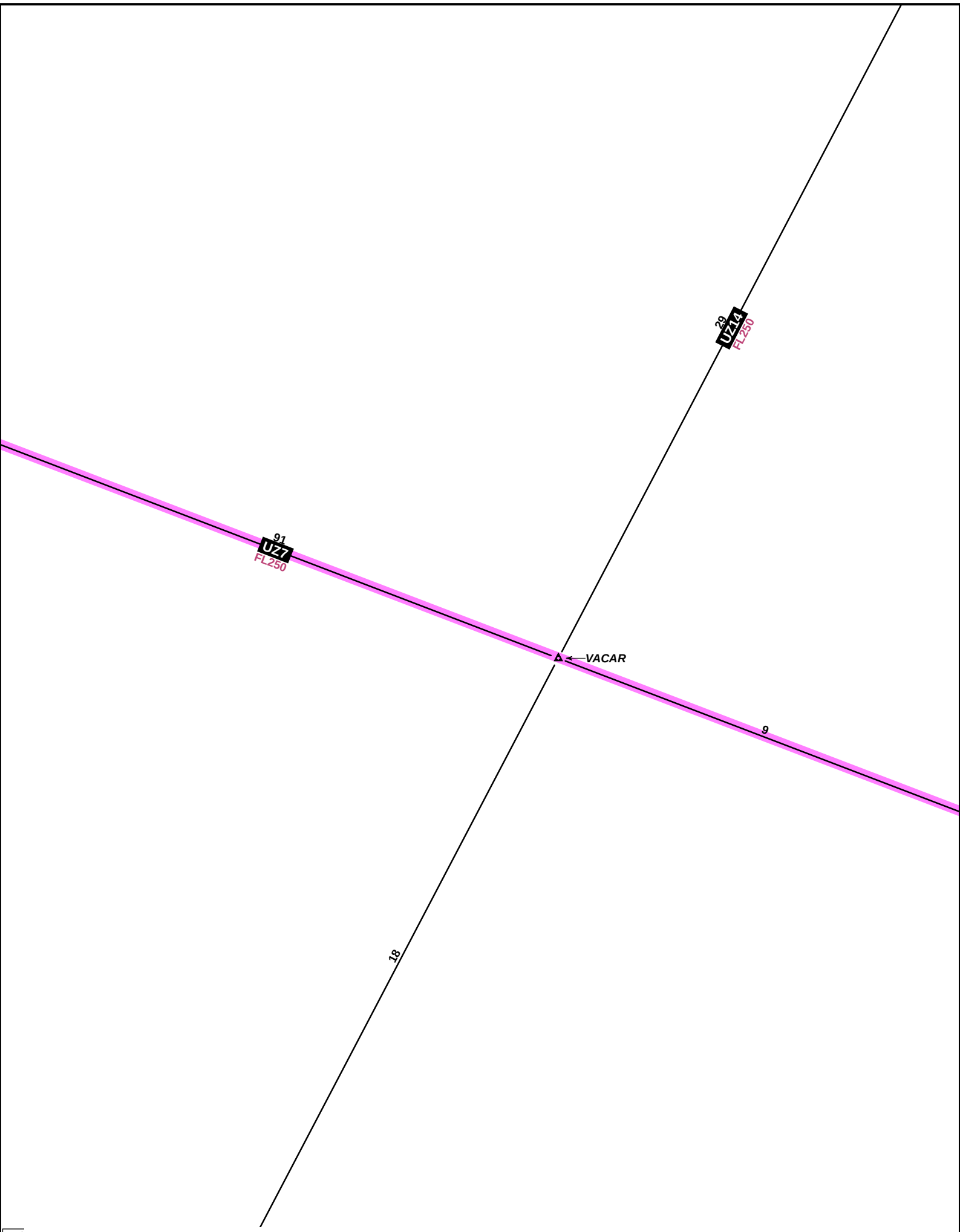

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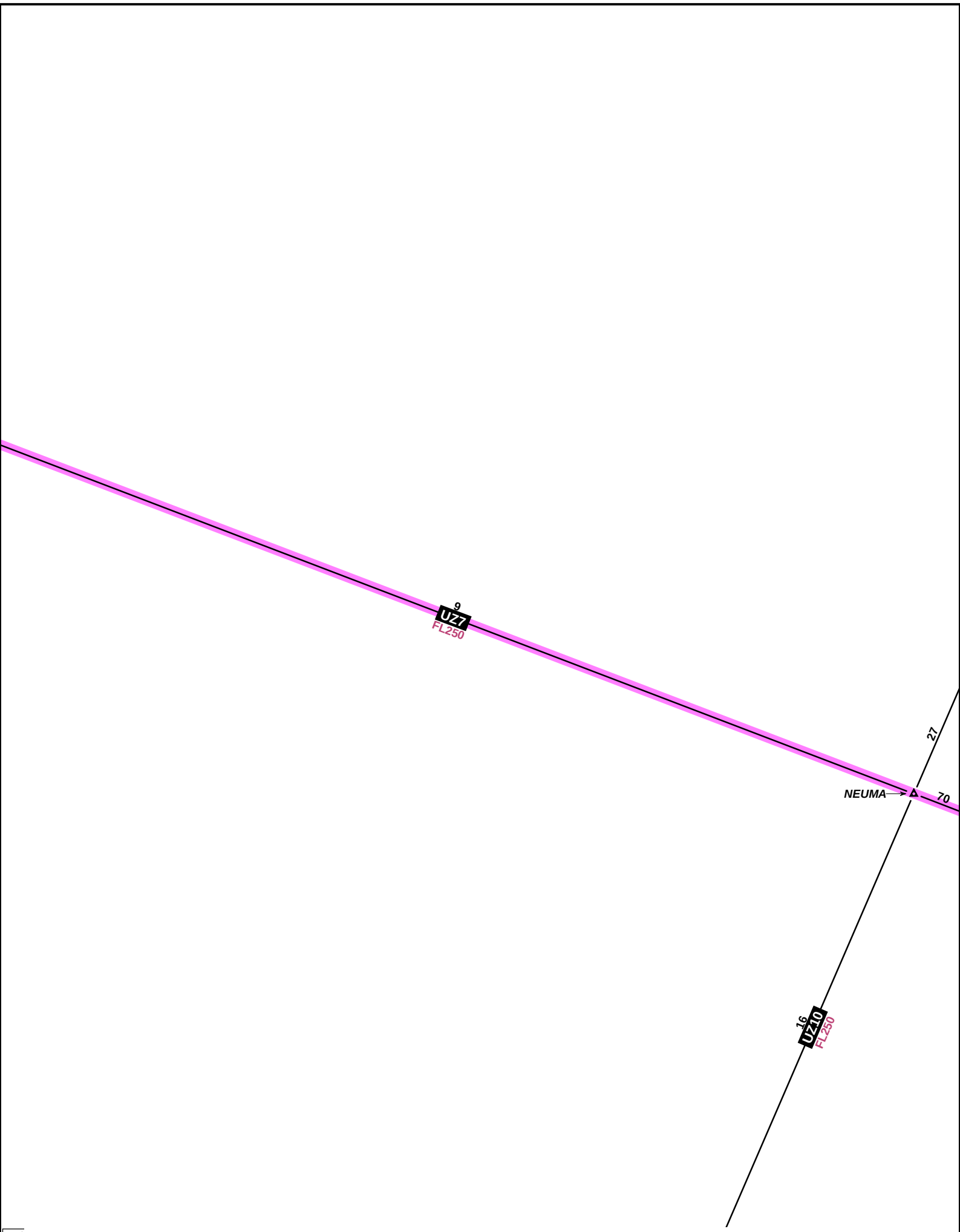

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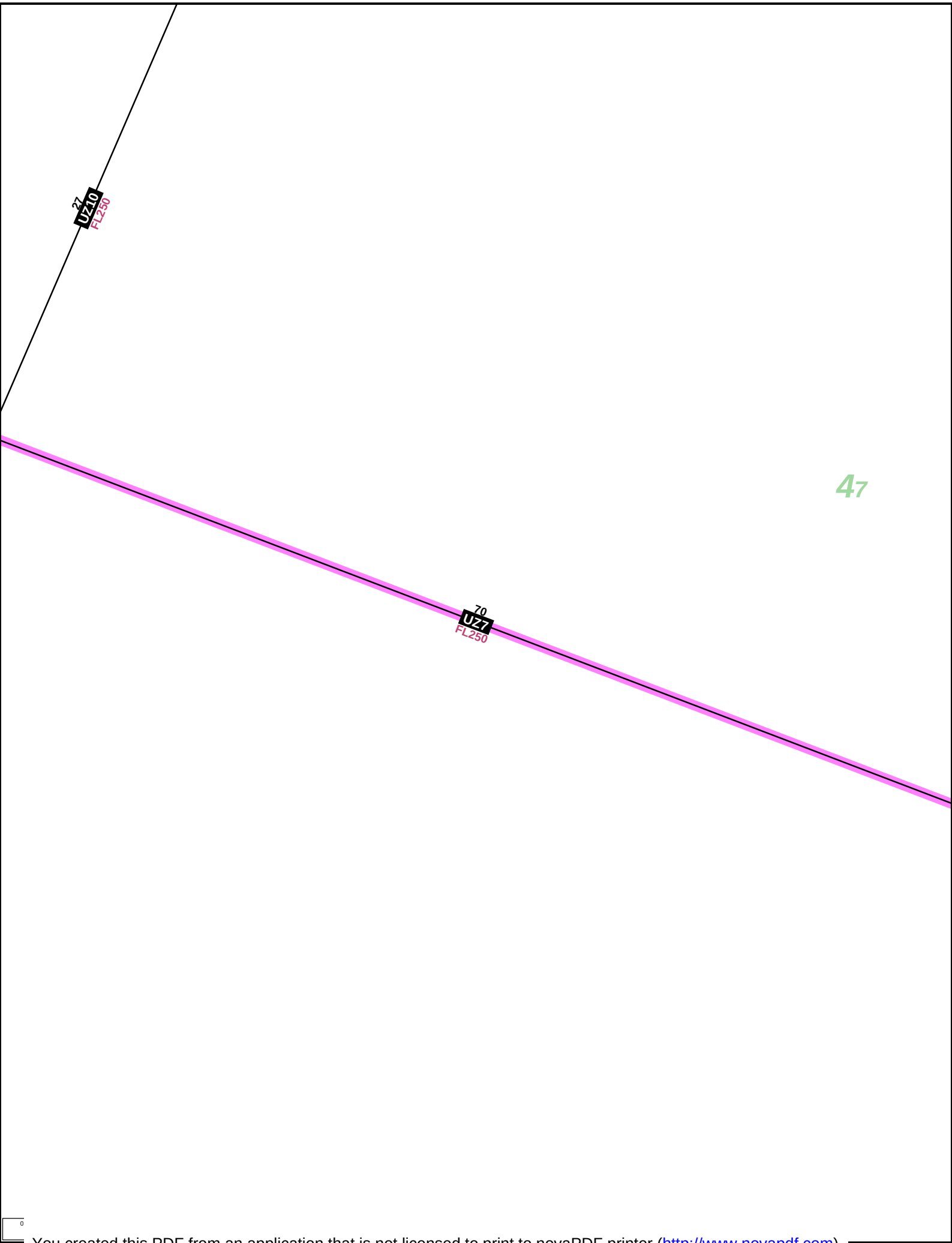

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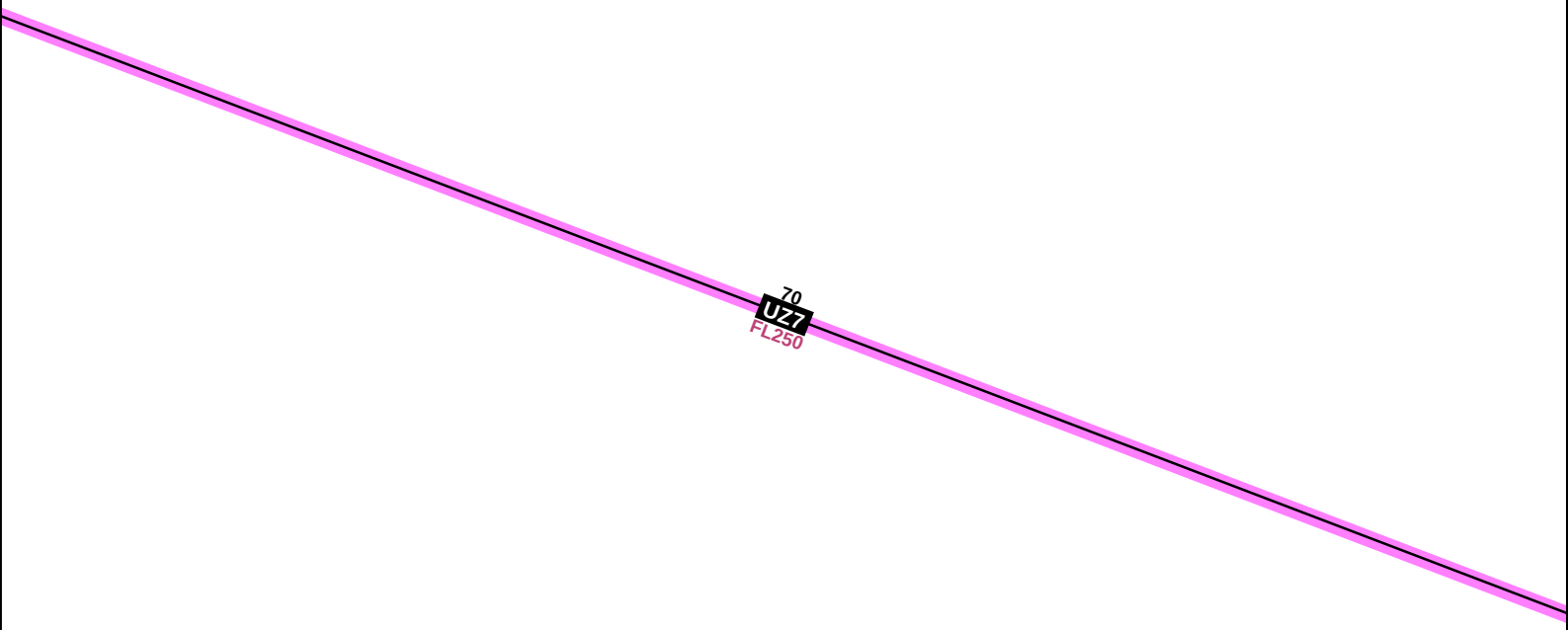

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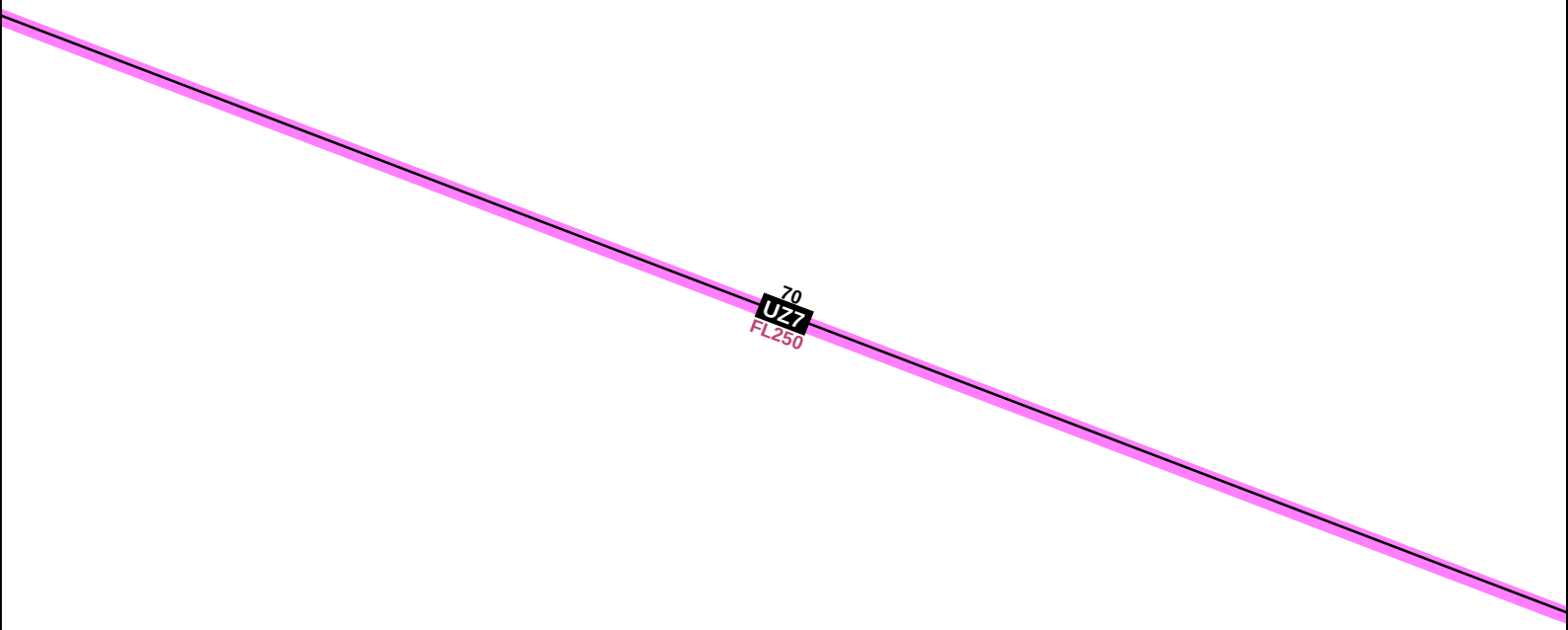

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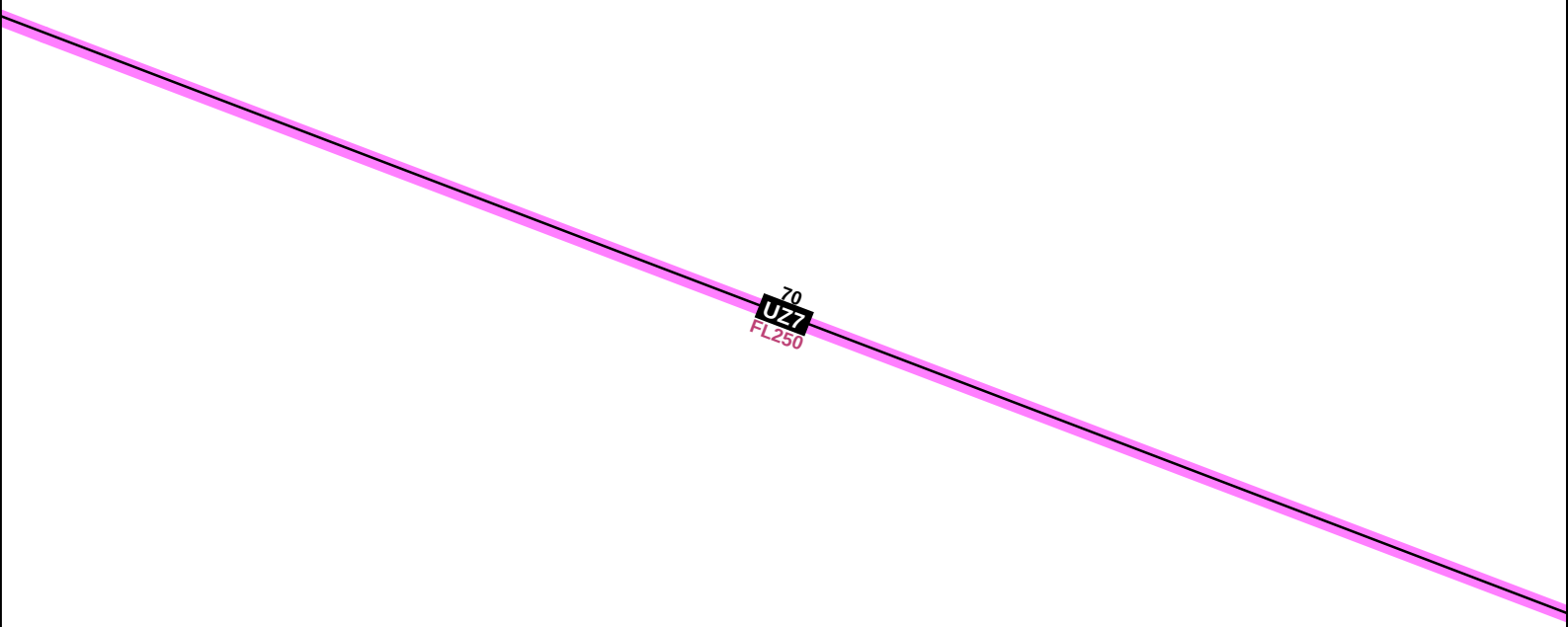

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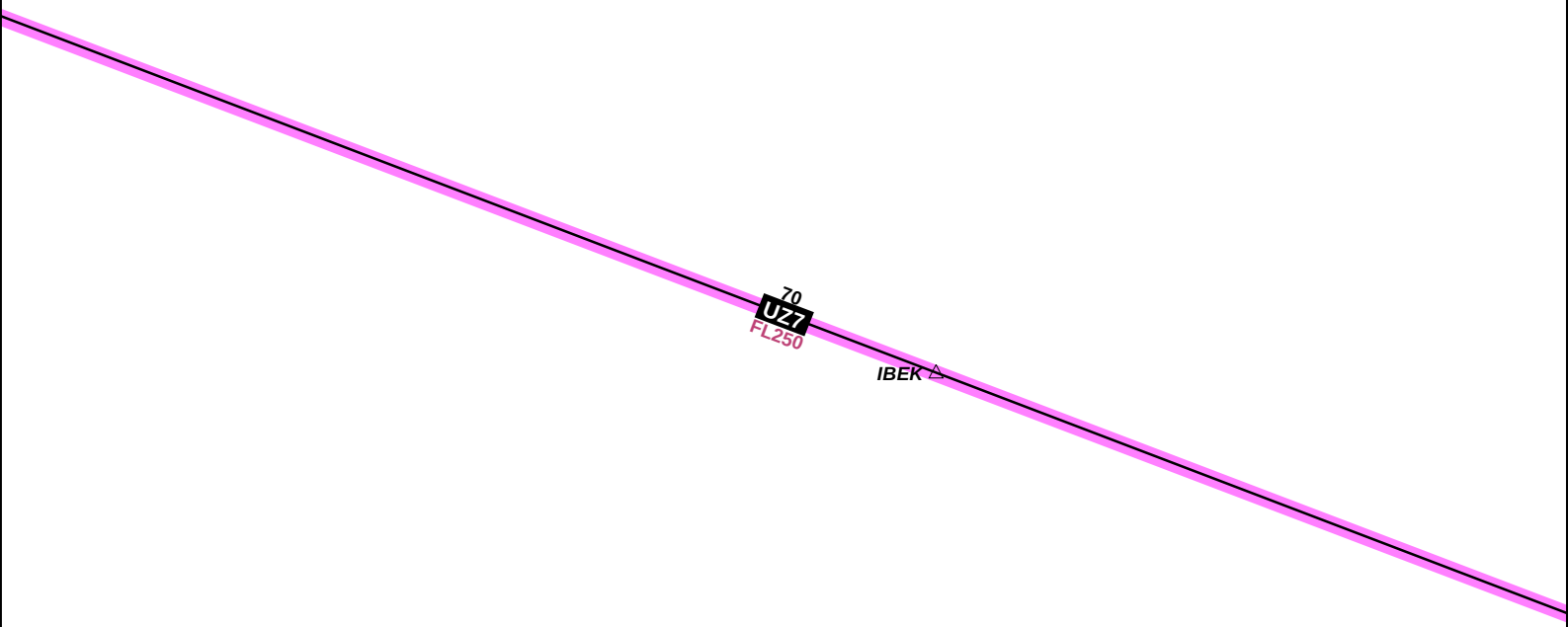

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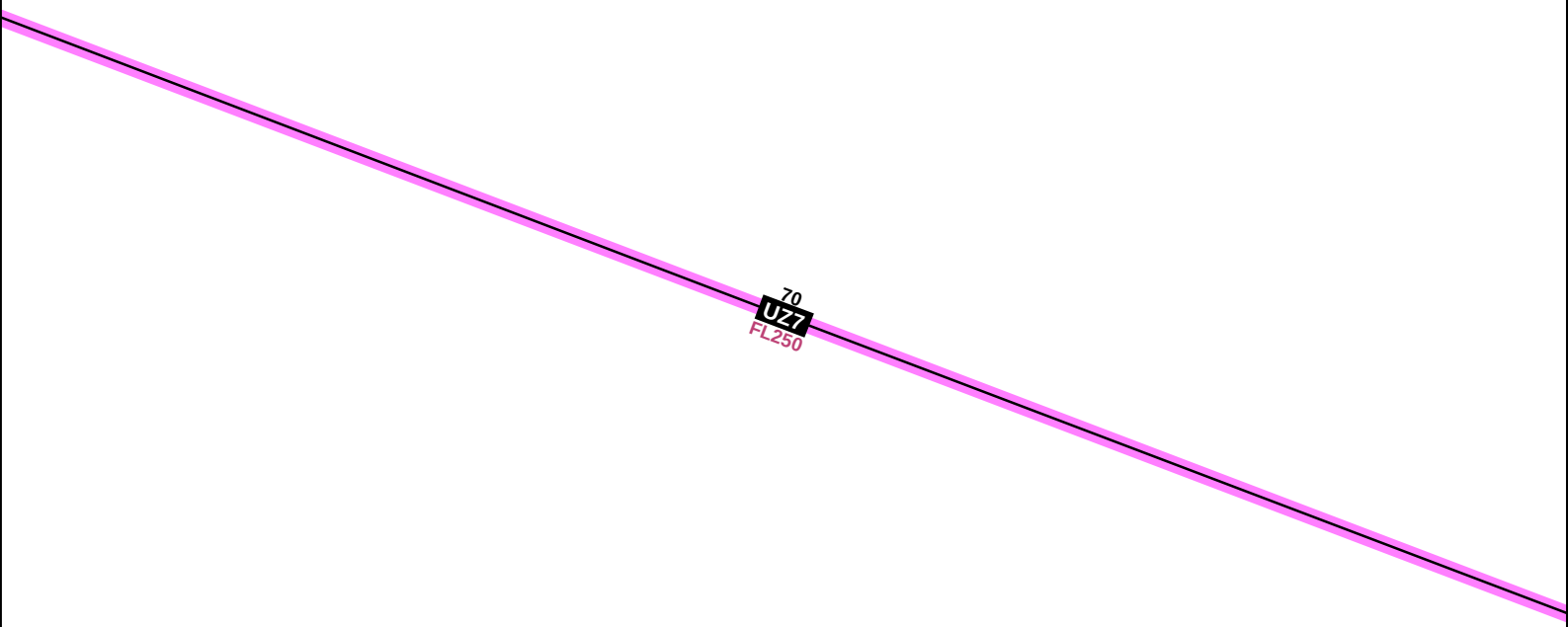

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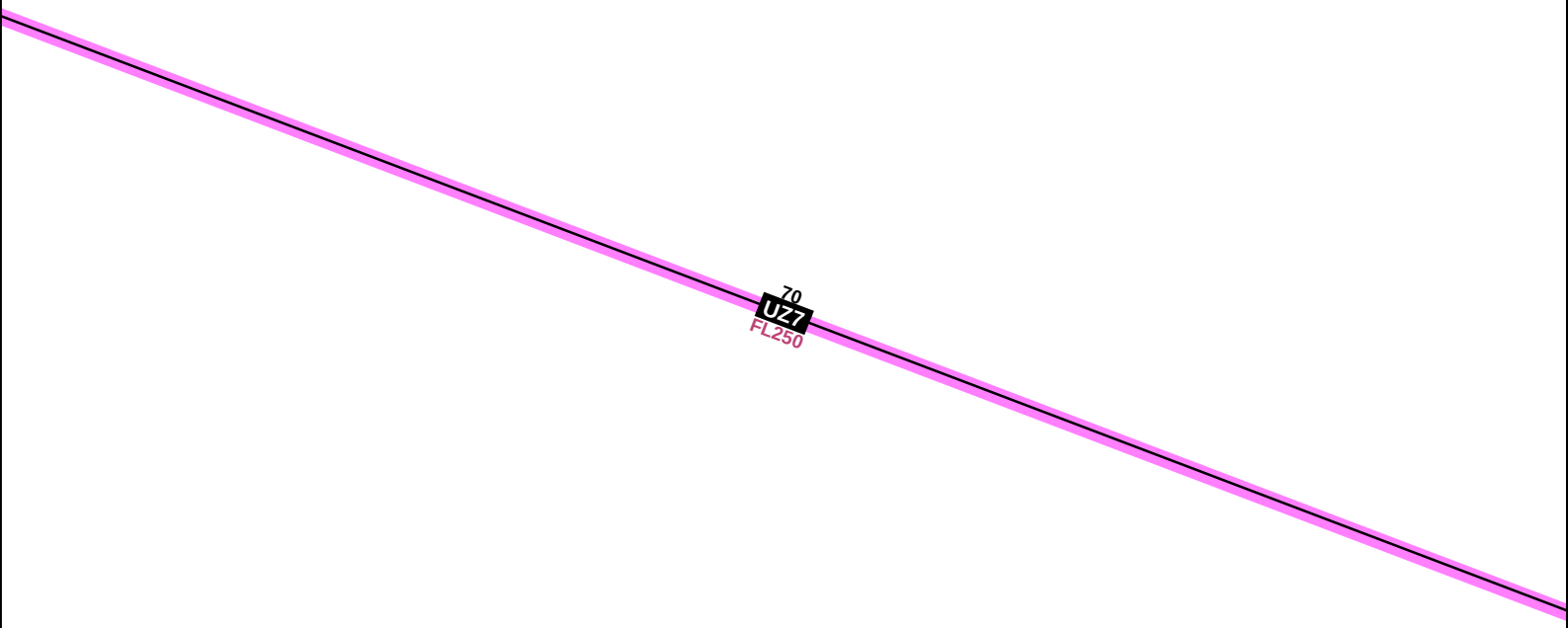

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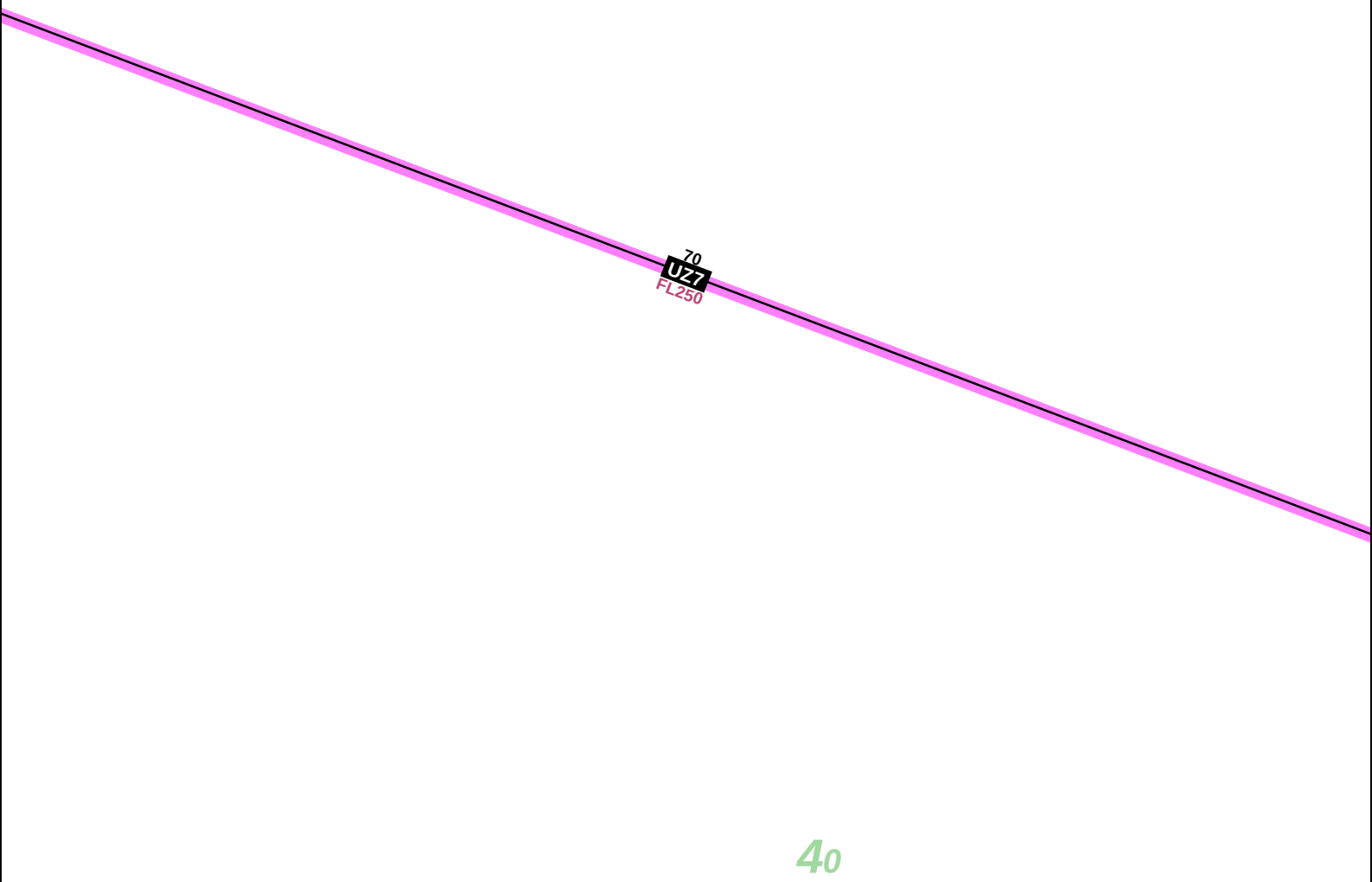

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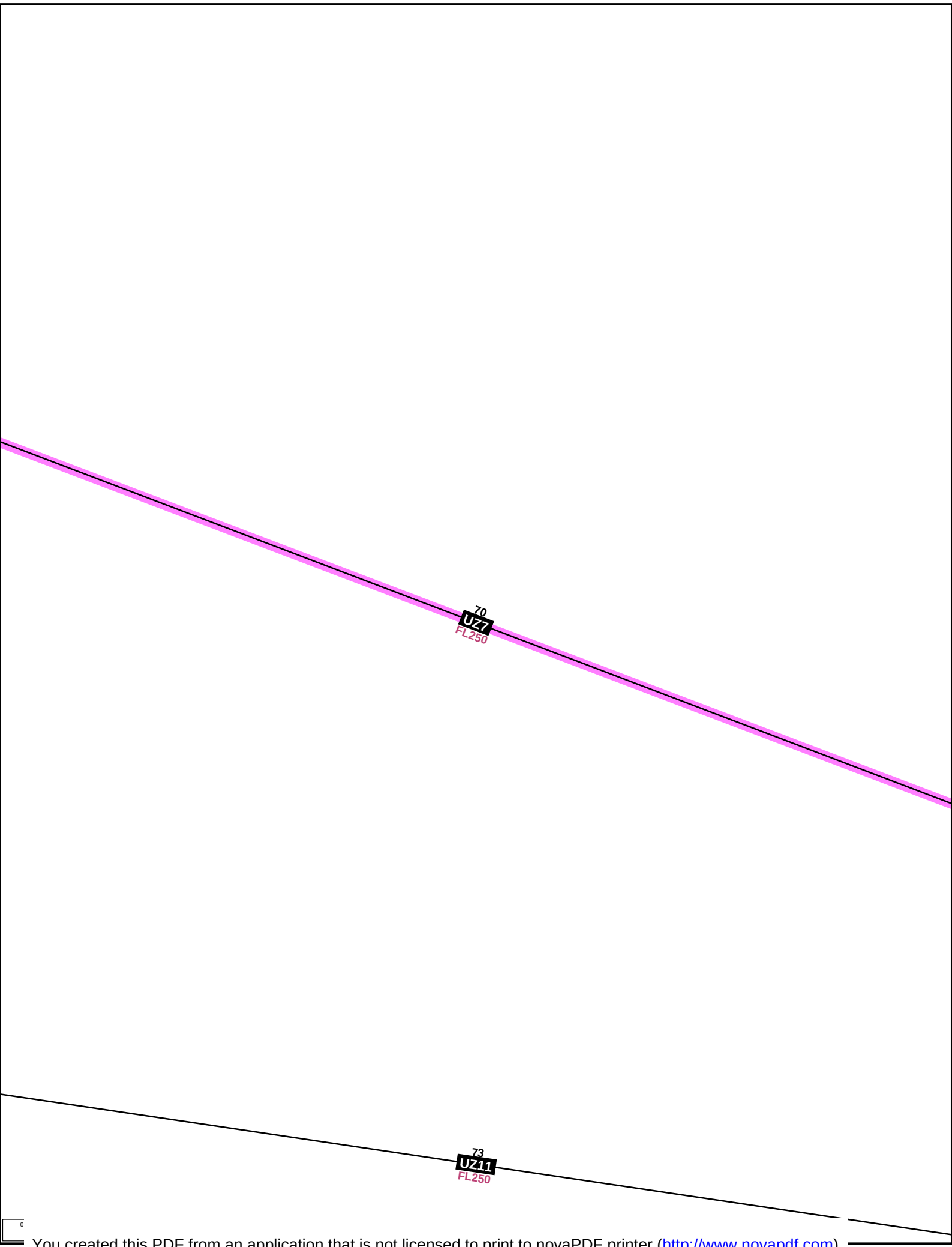

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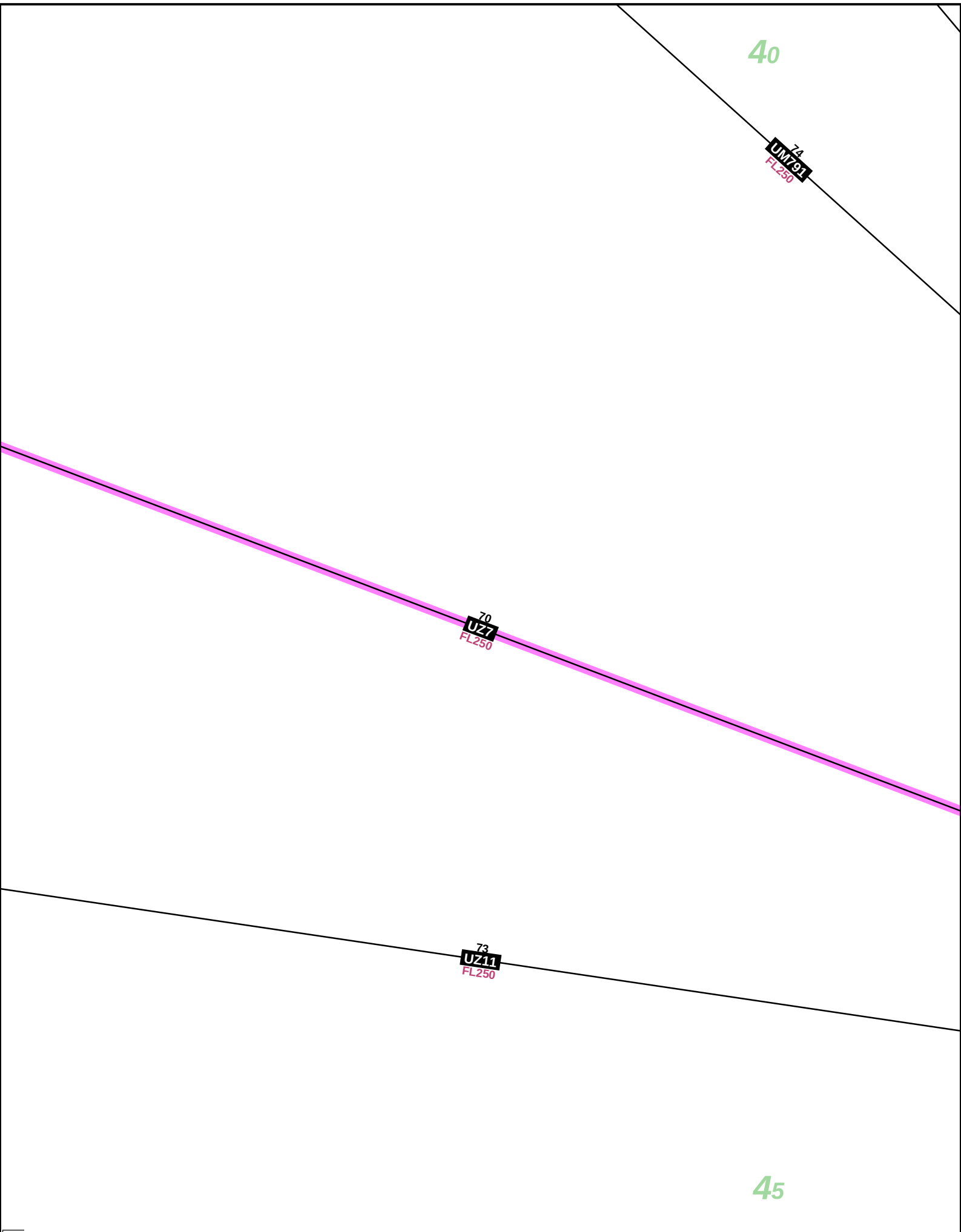

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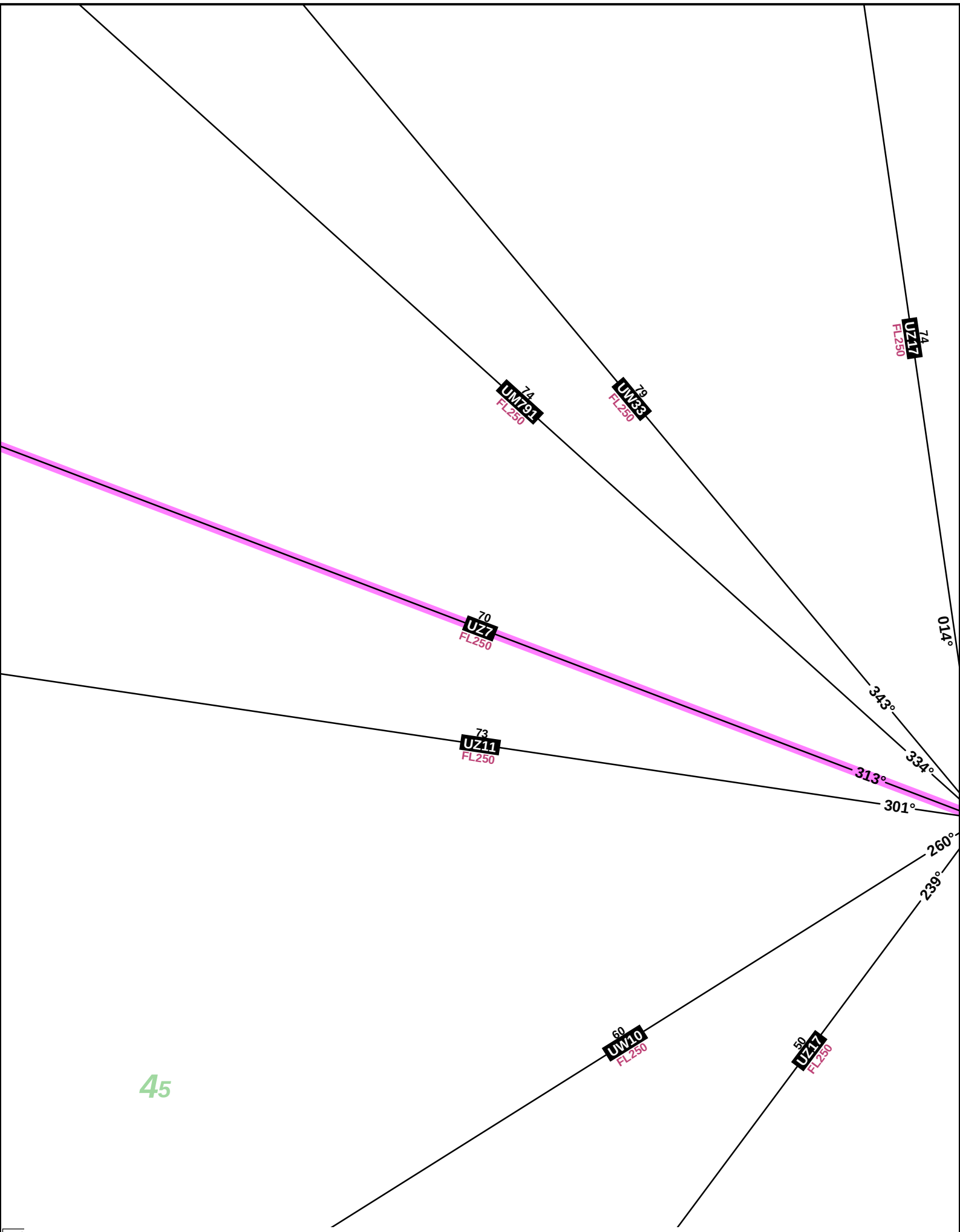

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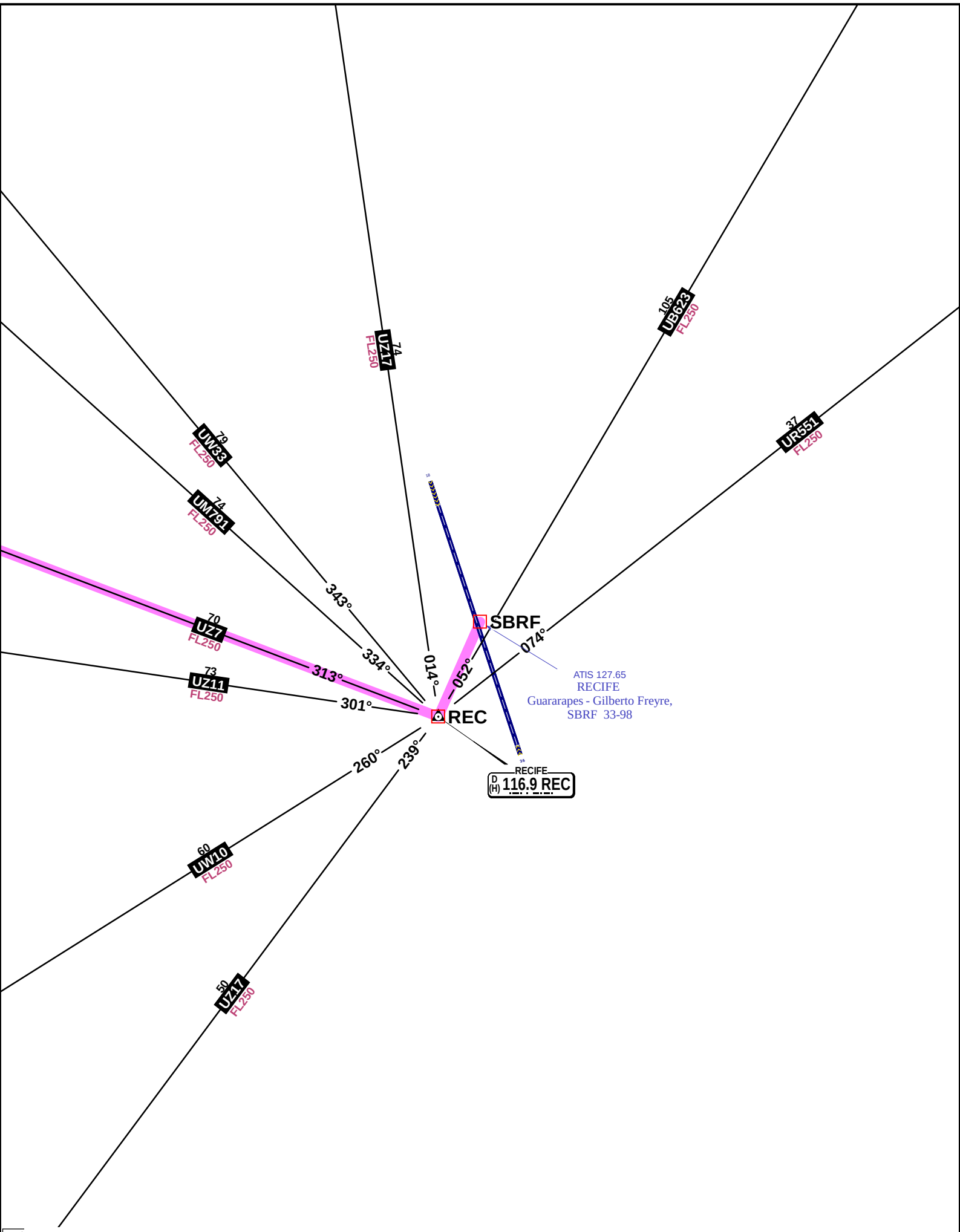

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J. A. PENGEL INTL

JEPPESEN
29 AUG 14 (11-1)

ZANDERY, SURINAME
ILS Rwy 11

BRIEFING STRIP ™

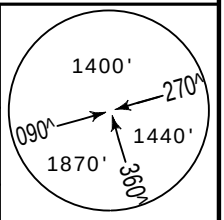
PENGEL Approach	PENGEL Tower	Ground
129.2	118.5	121.9

LOC IZAN	Final Apch Crs	Minimum Alt ZANDY	ILS DA(H)	Apt Elev
109.9	106^	2000' (1941')	259' (200')	59'

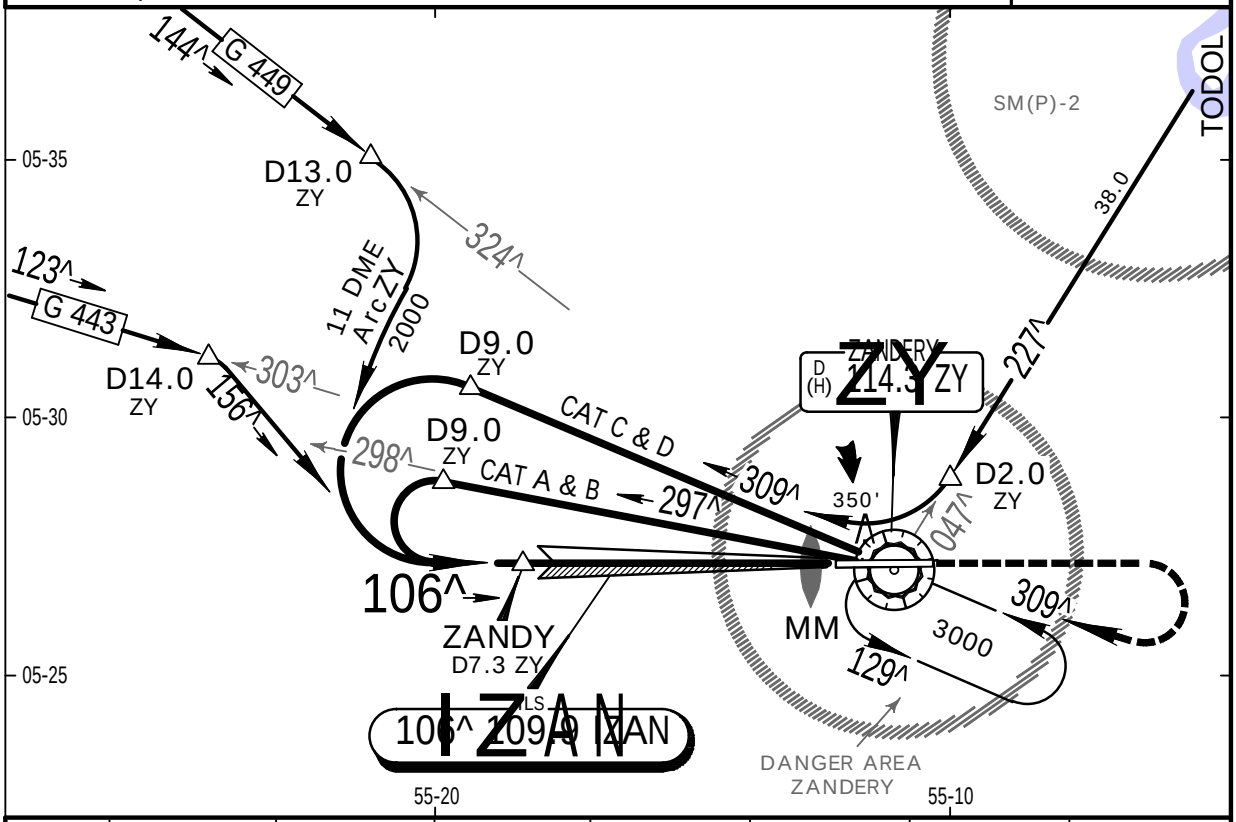
MISSED APCH: Climb STRAIGHT AHEAD to 2000'. Turn RIGHT to ZY VOR and hold at 3000'.

Alt Set: hPa Apt Elev: 2 hPa Trans level: FL 40 Trans alt: 3000'

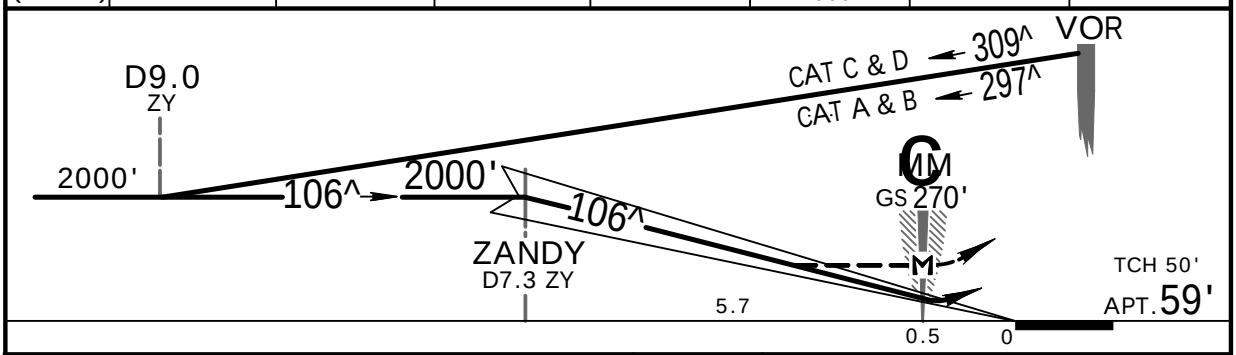
1. DME required.



MSA ZY VOR



LOC (GS out)	ZY DME	8.0	7.0	6.0	5.0	4.0	3.0
	ALTITUDE	2000'	1680'	1370'	1060'	740'	420'



Gnd speed-Kts	70	90	100	120	140	160
GS 3.00^	372	478	531	637	743	849
MAP at MM						

PAPI ALS | 2000' | 3000' RT | ZY 114.3

STRAIGHT-IN LANDING RWY 11 .CEILING.REQUIRED. CIRCLE-TO-LAND

	ILS DA(H) 259' (200') FULL	ILS DA(H) 259' (200') ALS out	LOC (GS out) MDA(H) 360' (301')	LOC (GS out) MDA(H) 360' (301') MM out	LOC (GS out) MDA(H) 360' (301') ALS out	Max Kts	MDA(H)	CEIL-VIS
	CEILING-VISIBILITY							
A						100		
B						135		
C	200'- 800m	200'-1200m	300'-1600m	NOT AUTH	300'-1600m	180	1060' (1001')	1000'-5.0 km
D						205		

NS OPS 3

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SMJP/PBM ZANDERY, SURINAME

Apt Elev 59'
N05 27.1 W055 12.1

JEPPESEN

29 AUG 14 (11-1)

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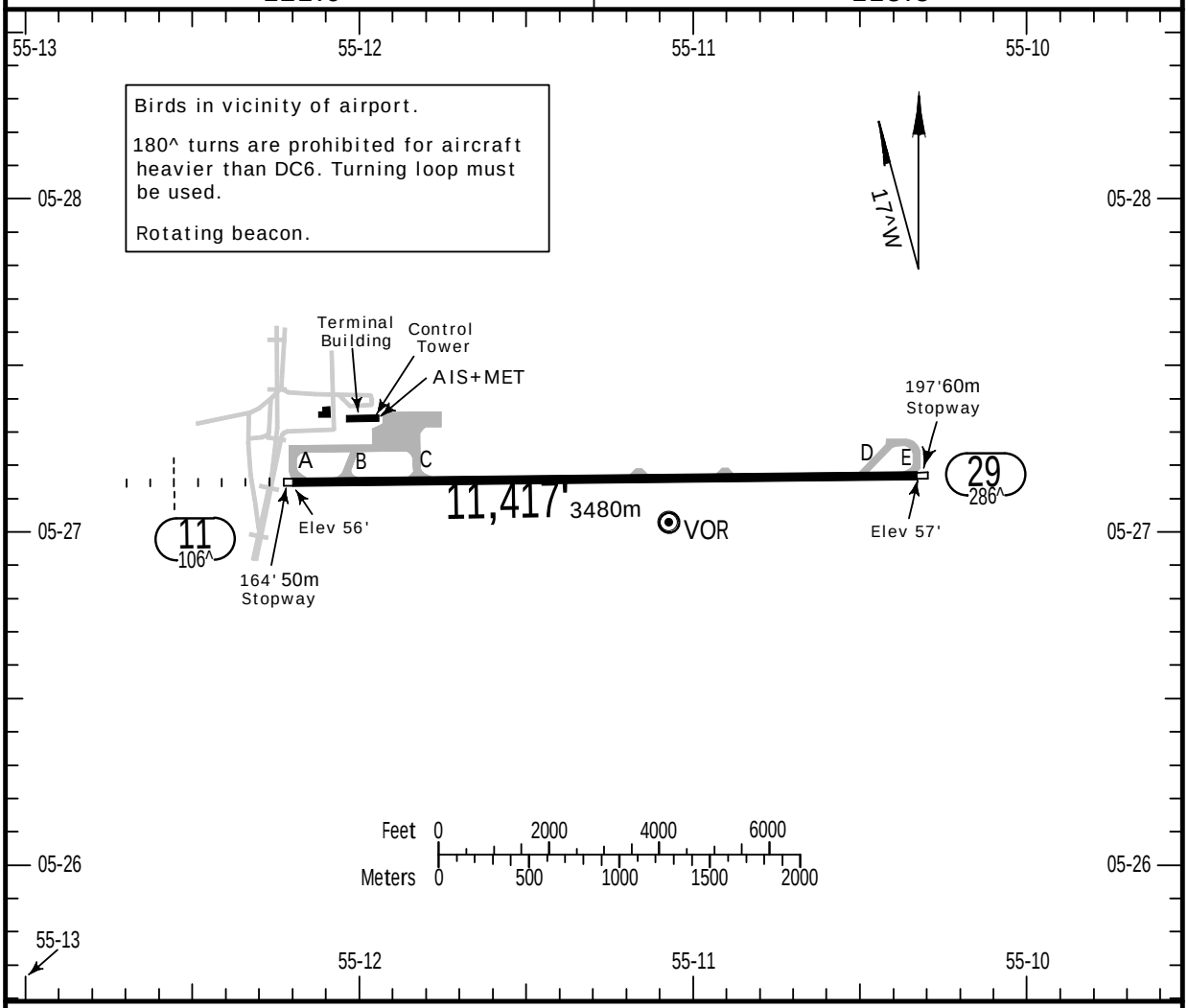
PENGEL Ground	Tower
121.9	118.5



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS — LANDING BEYOND: Threshold	Glide Slope	TAKE-OFF	WIDTH
11	RL ALS PAPI (angle 3.0^)				148' 45m
29	RL PAPI (angle 3.0^)				

	TAKE-OFF
	All Rwys
1 & 2 Eng	200'-800m
3 & 4 Eng	

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JEPPESEN
20 JUN 14 (13-1)

ZANDERY, SURINAME
VOR DME Rwy 11

BRIEFING STRIP ™

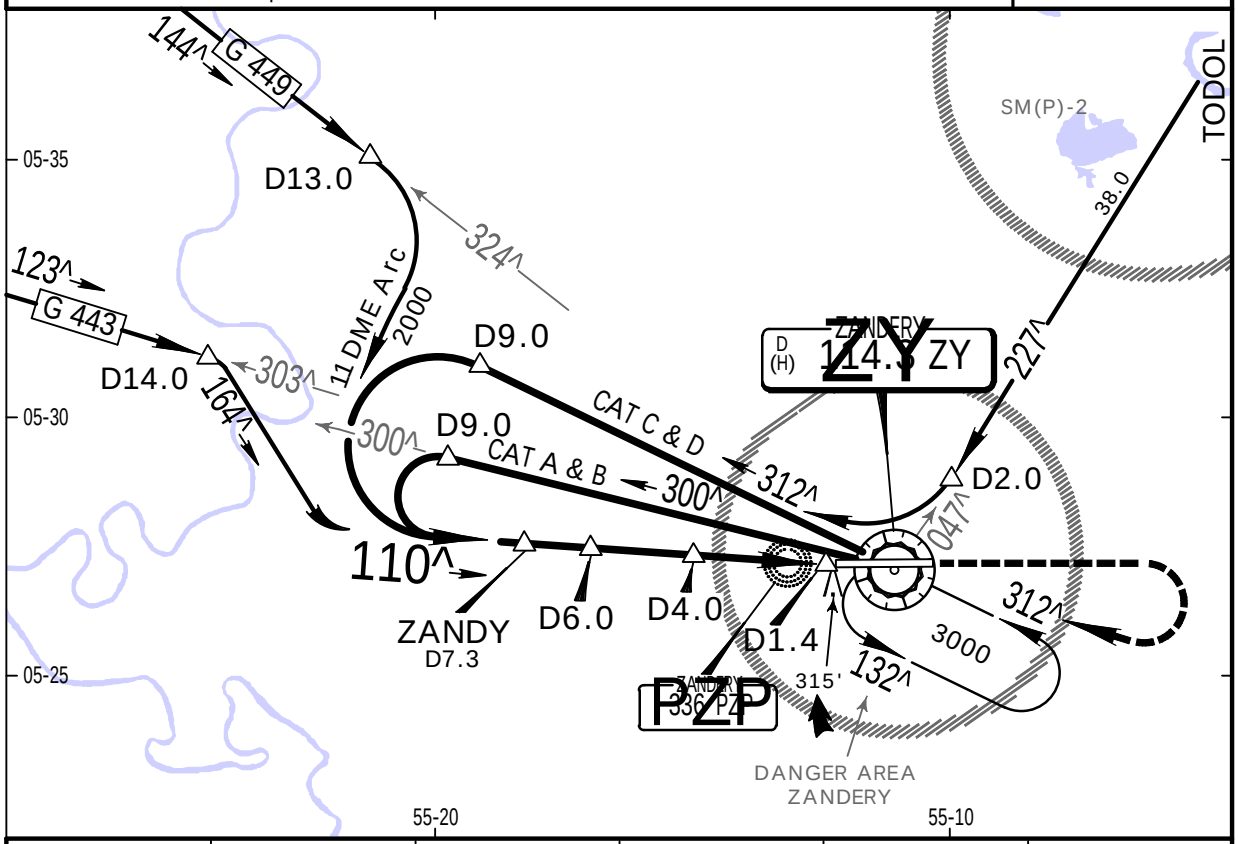
PENGEL Approach	PENGEL Tower	Ground
129.2	118.5	121.9

VOR ZY	Final Apch Crs	Minimum Alt D6.0	MDA(H)	Apt Elev
114.3	110^	1580' (1521')	560' (501')	59'

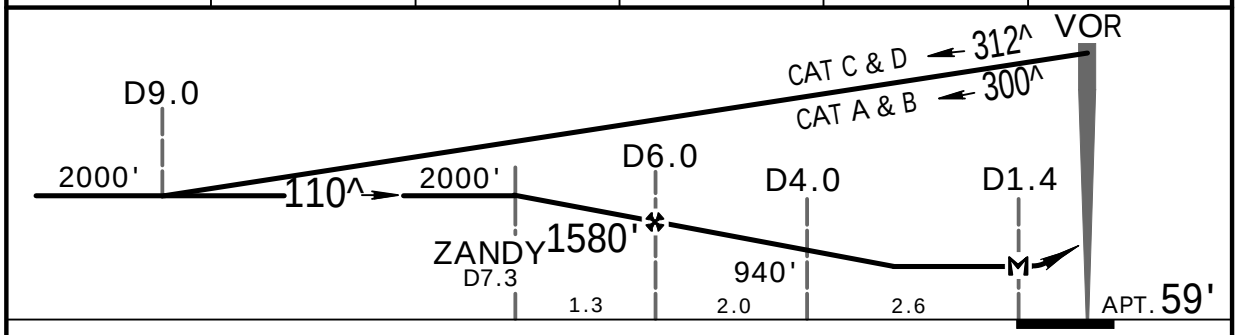
MISSED APCH: Climb STRAIGHT AHEAD to 2000'. Turn RIGHT to ZY VOR and hold at 3000'.

Alt Set: hPa | Apt Elev: 2 hPa | Trans level: FL 40 | Trans alt: 3000'

MSA ZY VOR: 1400' (090^–270^), 1440' (270^–360^), 1870' (360^–090^)



ZY DME	7.0	6.0	5.0	4.0	3.0
ALTITUDE	1900'	1580'	1260'	940'	620'



								PAPI ALS	2000'	3000'	ZY
										RT	114.3
MAP at D1.4											

STRAIGHT-IN LANDING RWY 11 — CEILING REQUIRED. — CIRCLE-TO-LAND

MDA(H) 560' (501')

ALS out

	CEILING-VISIBILITY	Max Kts	MDA(H)	CEIL- VIS
A		100		
B		135		
C	500'-2300m	180	1060' (1001')	1000'- 5.0 km
D		205		

NS OPS

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JEPPESEN
20 JUN 14 (13-2)

ZANDERY, SURINAME
VOR DME Rwy 29

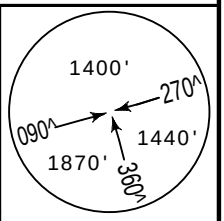
BRIEFING STRIP ™

PENGEL Approach	PENGEL Tower	Ground
129.2	118.5	121.9

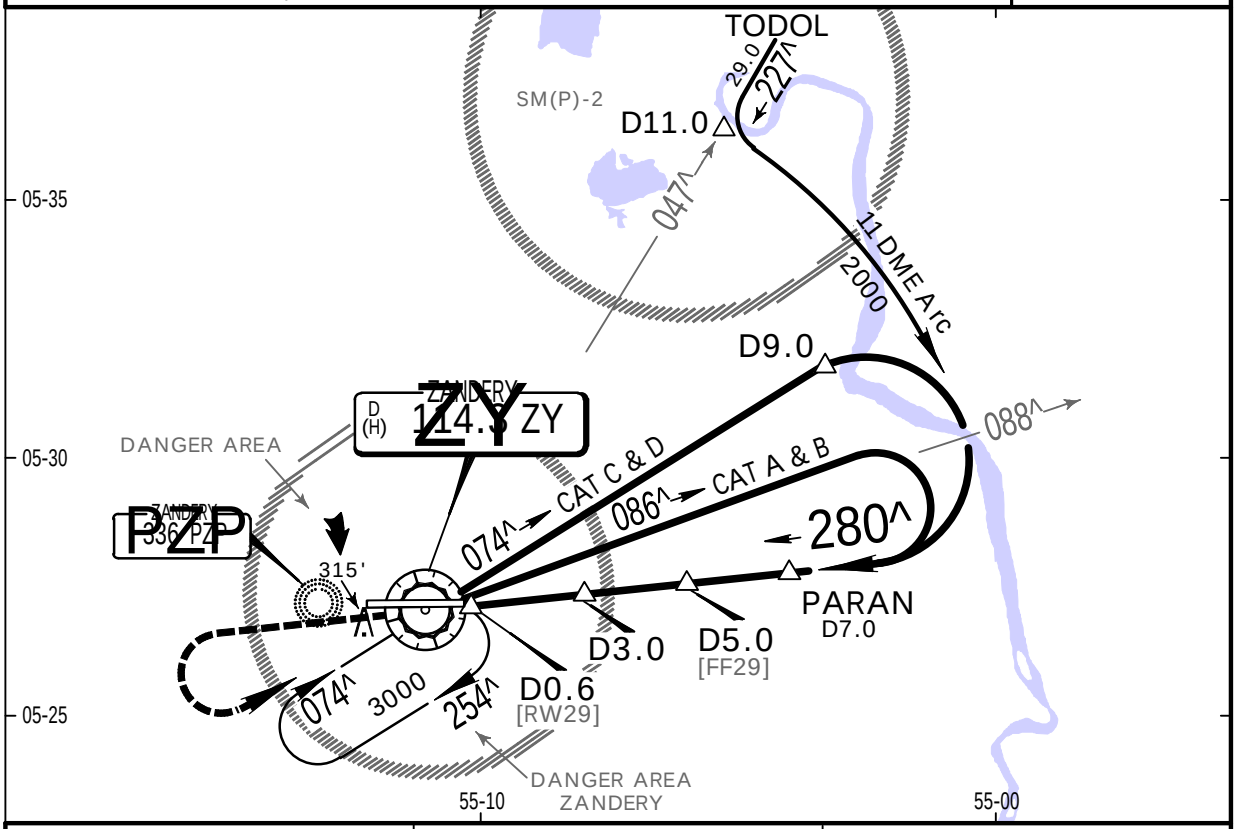
VOR	Final Apch Crs	Minimum Alt	MDA(H)	Apt Elev 59'
ZY 114.3	280^	D5.0 1410' (1351')	560' (501')	

MISSED APCH: Climb STRAIGHT AHEAD to 2000'. Turn LEFT to ZY VOR and hold at 3000'.

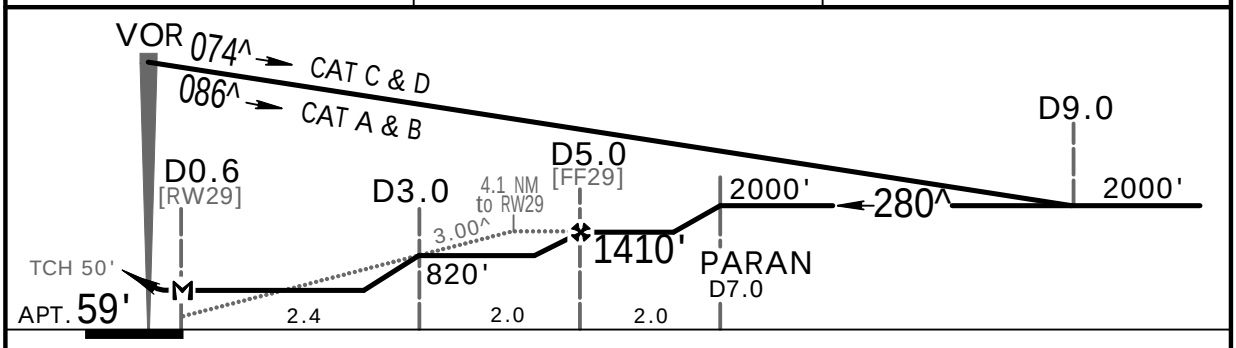
Alt Set: hPa Apt Elev: 2 hPa Trans level: FL 40 Trans alt: 3000'



MSA ZY VOR



ZY DME	4.0	6.0
ALTITUDE	1110'	1700'



								PAPI	2000'	3000'	ZY 114.3
MAP at D0.6										LT	

STRAIGHT-IN LANDING RWY 29 .CEILING.REQUIRED. CIRCLE-TO-LAND

MDA(H) 560' (501')

	CEILING-VISIBILITY	Max Kts	MDA(H)	CEIL- VIS
A		100		
B		135		
C	500'-2400m	180	1060' (1001')	1000'- 5.0 km
D		205		

NS OPS

CHANGES: VNAV angle added.

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27 APR 12 (13-3)

ZANDERY, SURINAME
VOR Rwy 11

BRIEFING STRIP ™

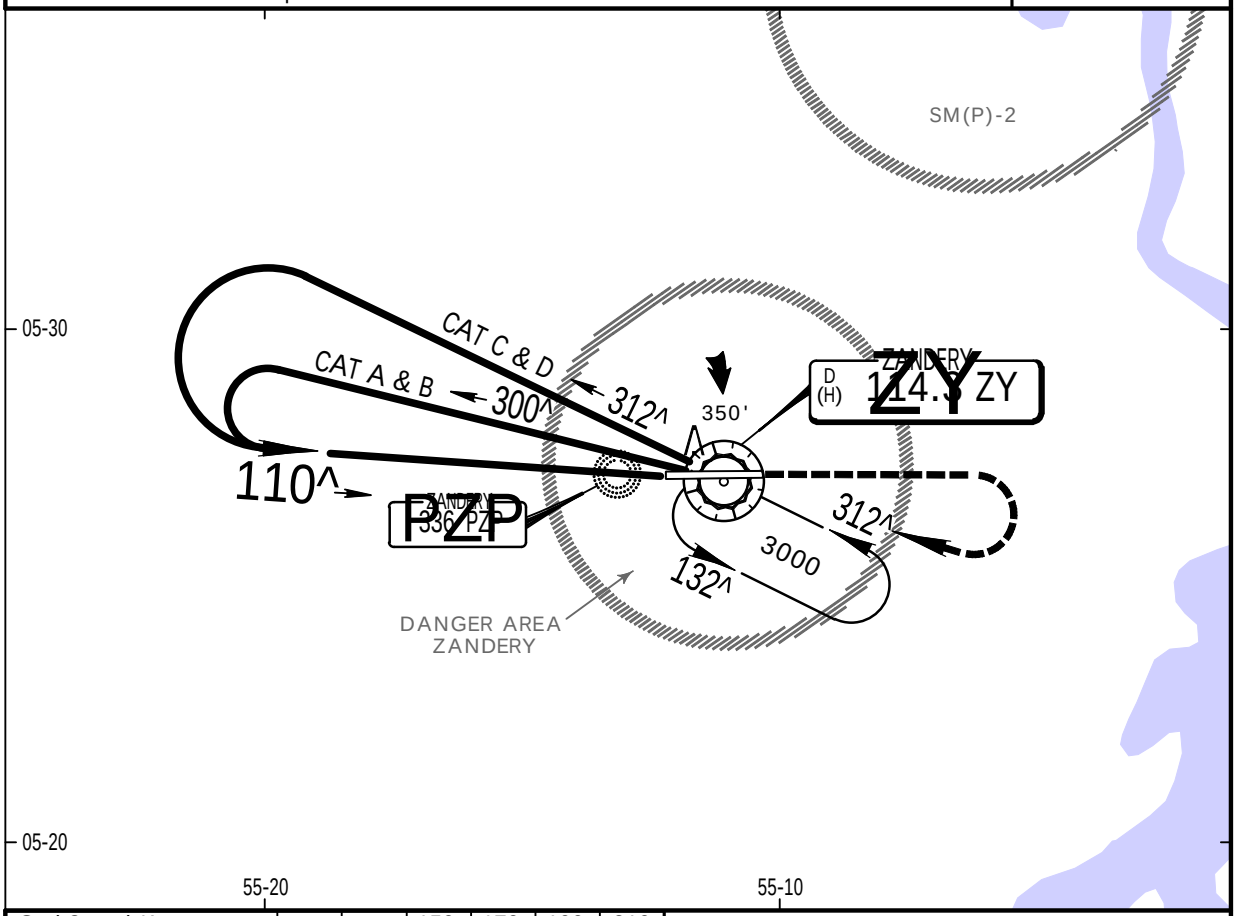
PENGEL Approach	PENGEL Tower	Ground
129.2	118.5	121.9

VOR	Final Apch Crs	No FAF	MDA(H)	Apt Elev 59'
ZY 114.3	110^		560' (501')	

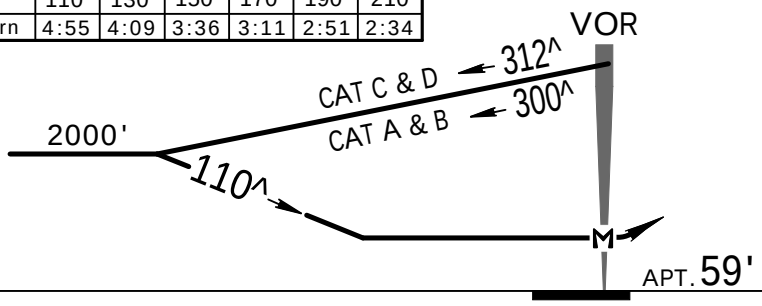
MISSED APCH: Climb STRAIGHT AHEAD to 2000'. Turn RIGHT to ZY VOR and hold at 3000'.

Alt Set: hPa | Apt Elev: 2 hPa | Trans level: FL 40 | Trans alt: 3000'

MSA ZY VOR: 1400' (270^), 1440' (090^), 1870' (360^)



Gnd Speed-Kts	110	130	150	170	190	210
Timing from VOR to Turn	4:55	4:09	3:36	3:11	2:51	2:34



								PAPI ALS	2000'	3000'	ZY
										RT	114.3
MAP at VOR											

STRAIGHT-IN LANDING RWY 11 .CEILING.REQUIRED. CIRCLE-TO-LAND

MDA(H) 560' (501')

ALS out

	CEILING-VISIBILITY	Max Kts	MDA(H)	CEIL- VIS
A		100		
B		135		
C	500'-2300m	180	1060' (1001')	1000'- 5.0 km
D		205		

NS OPS 3

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CHANGES: Approach frequency. | JEPPESEN, 2007, 2012. ALL RIGHTS RESERVED.

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JEPPESEN
27 APR 12 13-4

ZANDERY, SURINAME
VOR Rwy 29

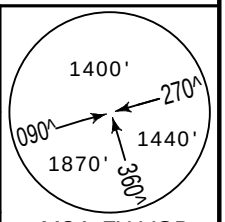
BRIEFING STRIP ™

PENGEL Approach	PENGEL Tower	Ground
129.2	118.5	121.9

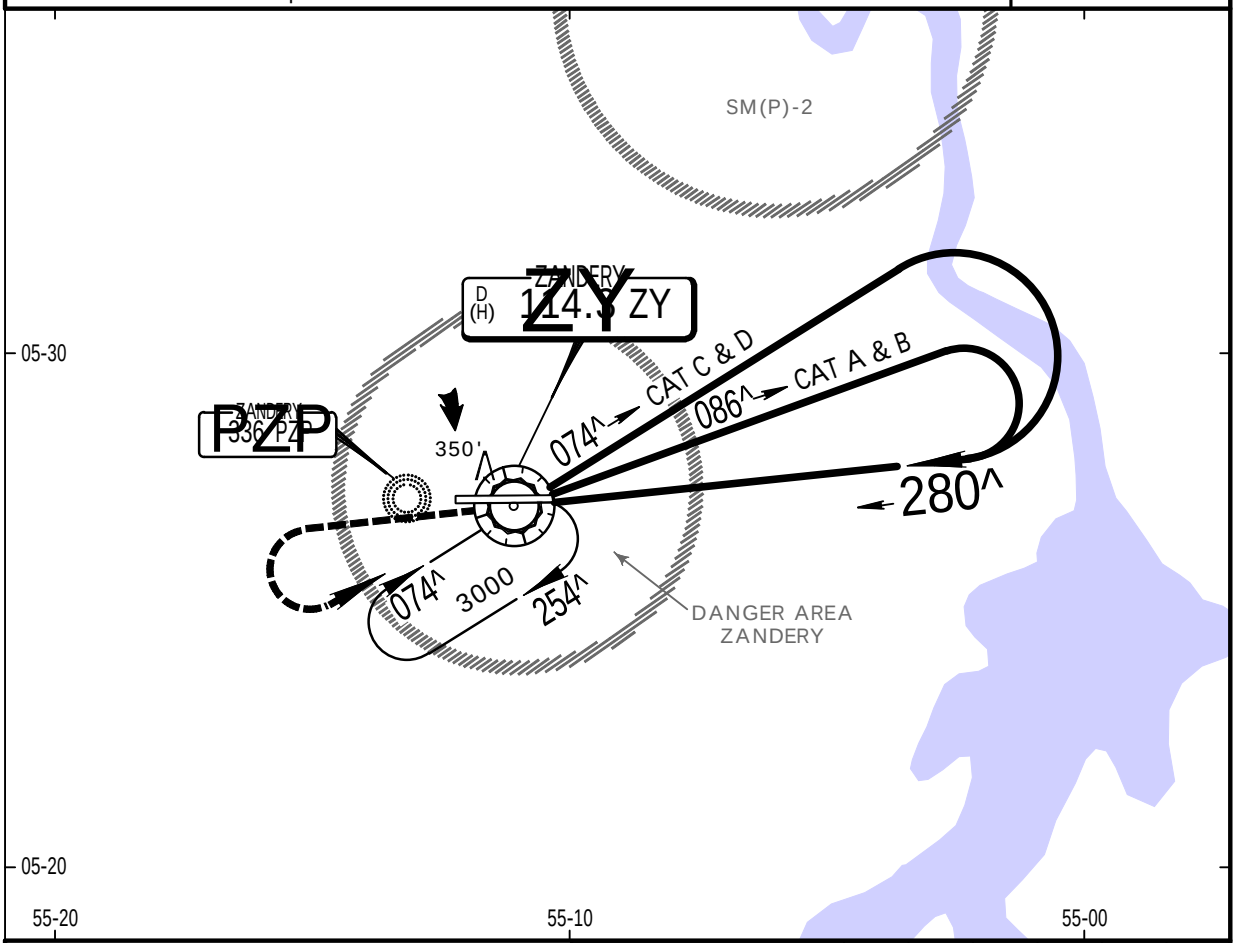
VOR ZY	Final Apch Crs	No FAF	MDA(H)	Apt Elev
114.3	280^		560' (501')	59'

MISSED APCH: Climb STRAIGHT AHEAD to 2000'. Turn LEFT to ZY VOR and hold at 3000'.

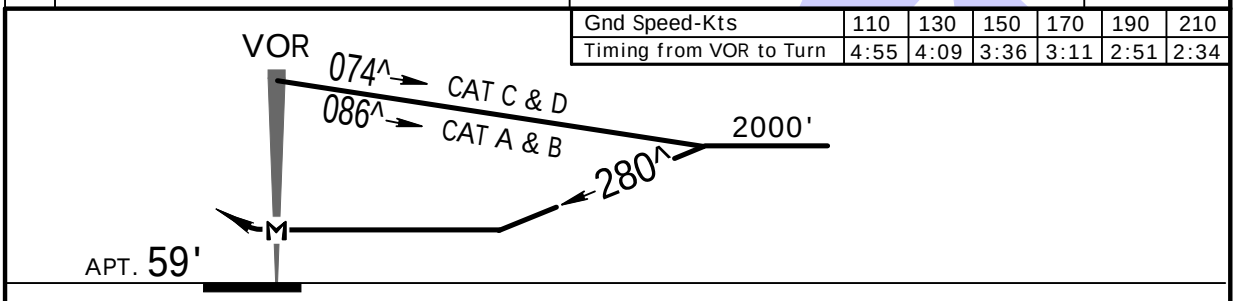
Alt Set: hPa | Apt Elev: 2 hPa | Trans level: FL 40 | Trans alt: 3000'



MSA ZY VOR



Gnd Speed-Kts	110	130	150	170	190	210
Timing from VOR to Turn	4:55	4:09	3:36	3:11	2:51	2:34



MAP at VOR								PAPI	2000'	3000'	ZY 114.3
										LT	

STRAIGHT-IN LANDING RWY29 CEILING REQUIRED. CIRCLE-TO-LAND

MDA(H) 560'(501')

	CEILING-VISIBILITY	Max Kts	MDA(H)	CEIL- VIS
A	500'-2400m	100	1060'(1001')	1000'- 5.0 km
B		135		
C		180		
D		205		

NS OPS 3

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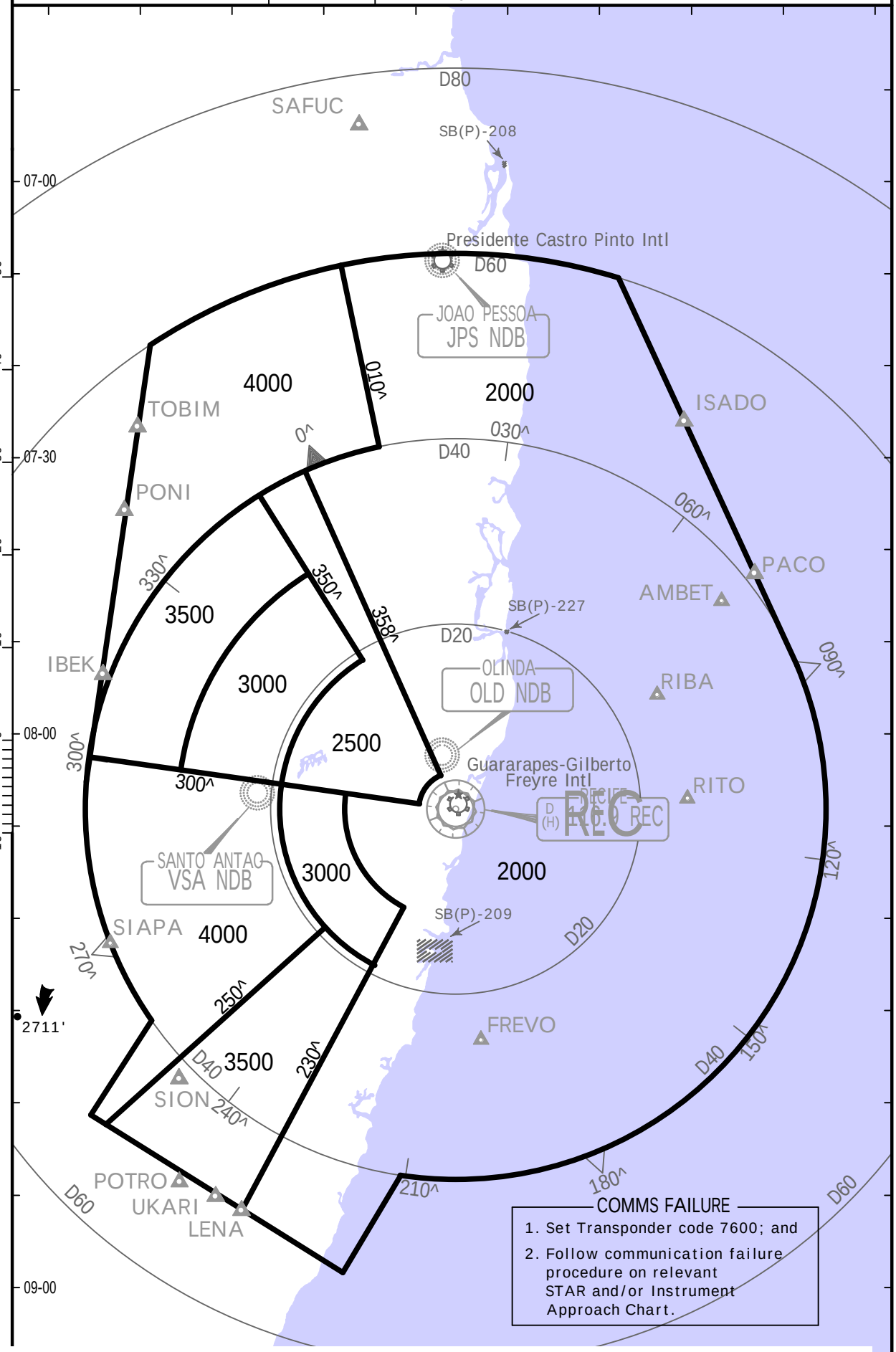
SBRF/REC

JEPPESEN

RECIFE, BRAZIL

GUARARAPES-GILBERTO FREYRE INTL (10-1R) 25 OCT 13 .RADAR.MINIMUM.ALTITUDES.

RECIPE Control (APP) (R)	Apt Elev	
119.5 119.95 129.6	33'	Alt Set: hPa Trans level: By ATC Trans alt: 4000' 1. Chart only to be used for cross-checking of altitudes assigned while under Radar control. 2. Bearings and distances are referenced to REC VOR.



COMMS FAILURE
1. Set Transponder code 7600; and
2. Follow communication failure procedure on relevant STAR and/or Instrument Approach Chart.

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GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

11 OCT 13 (10-2) .Eff.17.Oct.

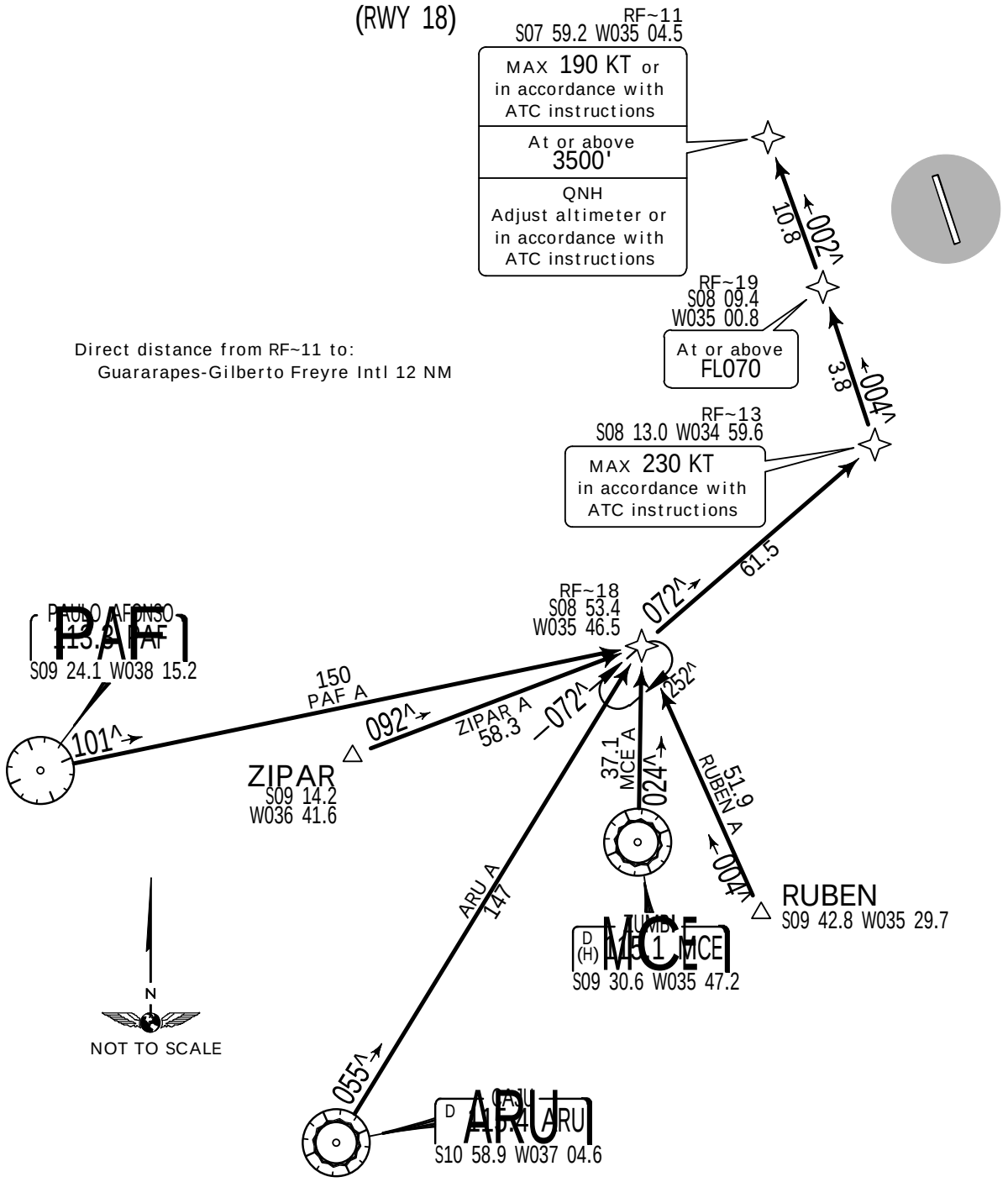
RECIFE, BRAZIL
.RNAV.STAR.

ATIS	Apt Elev	
127.65	33'	Alt set: hPa Trans level: By ATC Trans alt: 4000' 1. RNAV 1. 2. B-RNP 1. 3. RADAR required. 4. Certified GNSS required.

3500'
MSA ARP

ARU A [ARUA], MCE A [MCEA], PAF A [PAFA], RUBEN A [RUBENA], ZIPAR A [ZIPARA] RNAV ARRIVALS

(RWY 18)



STAR	ROUTING
ARU A	After ARU, fly on 055^ track to RF018.
MCE A	After MCE, fly on 024^ track to RF018.
PAF A	After PAF, fly on 101^ track to RF018.
RUBEN A	After RUBEN, fly on 004^ track to RF018.
ZIPAR A	After ZIPAR, fly on 092^ track to RF018.

LANDING

At RF018, intercept 072^ track to RF013, then intercept 004^ track to RF019, then intercept

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GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

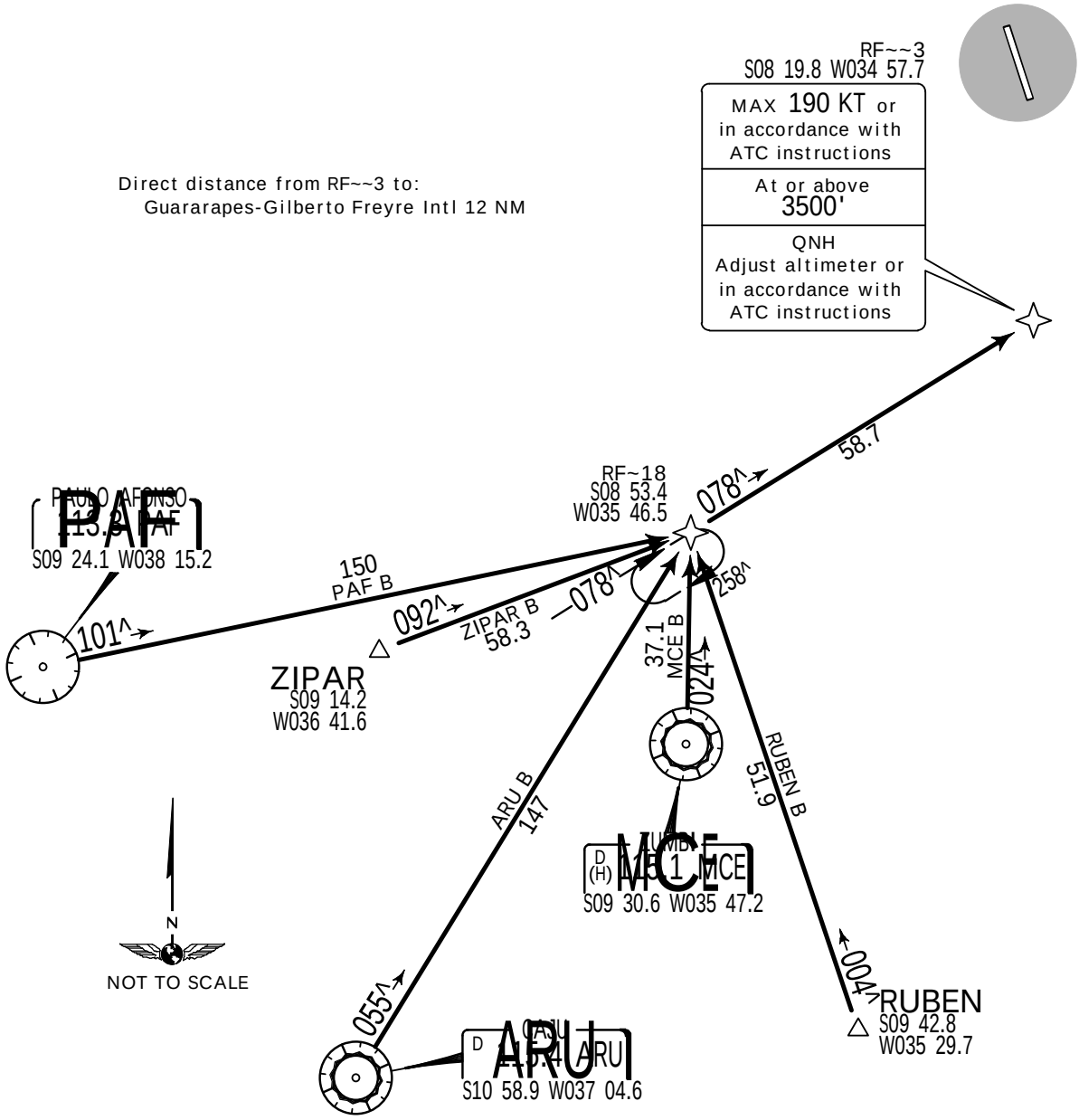
11 OCT 13 (10-2A) .Eff.17.Oct.

RECIFE, BRAZIL
.RNAV.STAR.

ATIS	Apt Elev	Alt set: hPa Trans level: By ATC Trans alt: 4000'
127.65	33'	1. RNAV 1. 2. B-RNP 1. 3. RADAR required. 4. Certified GNSS required.

3500'
MSA ARP

ARU B [ARUB], MCE B [MCEB], PAF B [PAFB], RUBEN B [RUBENB], ZIPAR B [ZIPARB] RNAV ARRIVALS
(RWY 36)



STAR	ROUTING
ARU B	After ARU, fly on 055^ track to RF018.
MCE B	After MCE, fly on 024^ track to RF018.
PAF B	After PAF, fly on 101^ track to RF018.
RUBEN B	After RUBEN, fly on 004^ track to RF018.
ZIPAR B	After ZIPAR, fly on 092^ track to RF018.
LANDING	

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GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

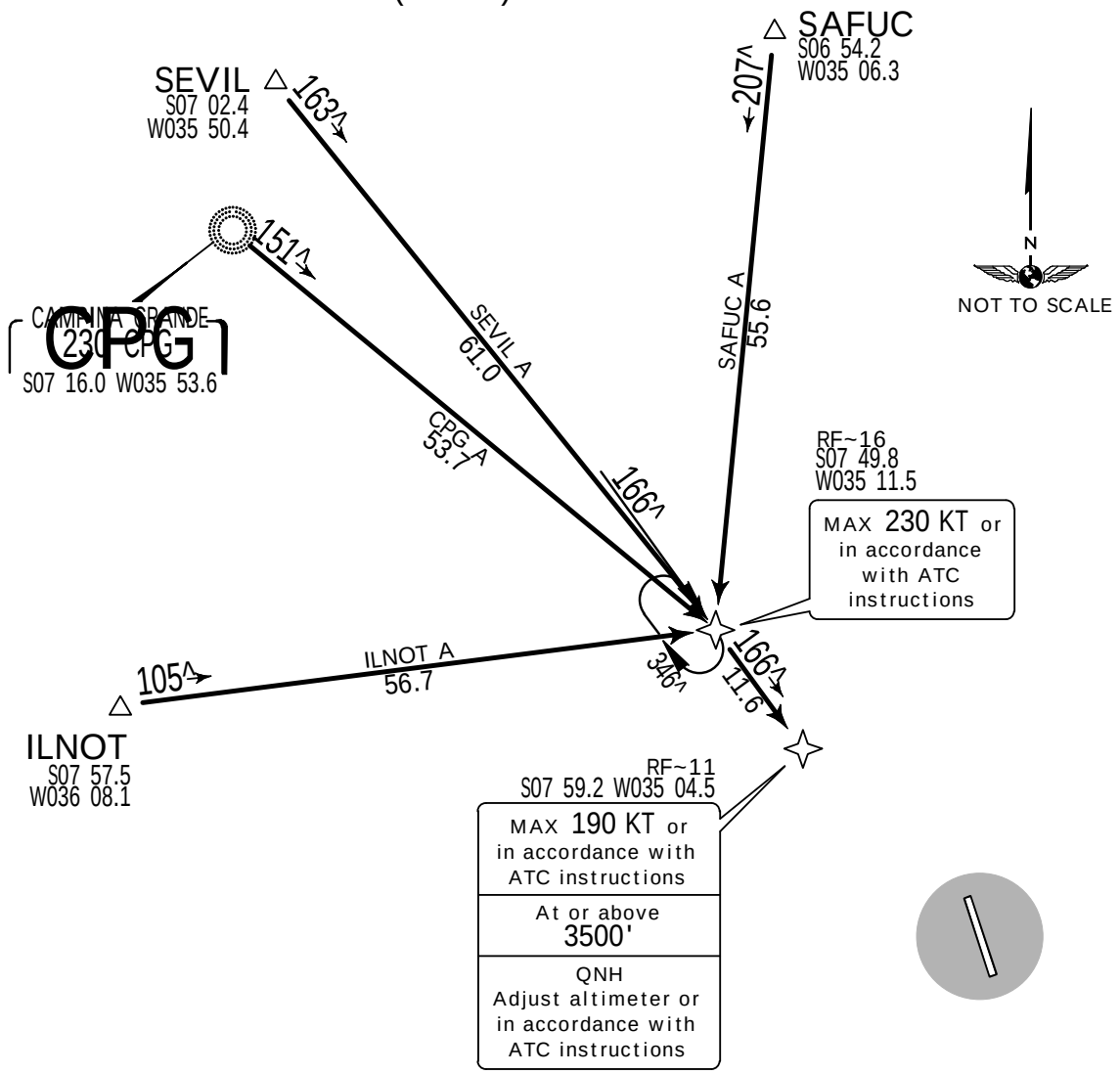
11 OCT 13 (10-2B) .Eff.17.Oct.

RECIFE, BRAZIL
.RNAV.STAR.

ATIS	Apt Elev	
127.65	33'	Alt set: hPa Trans level: By ATC Trans alt: 4000' 1. RNAV 1. 2. B-RNP 1. 3. RADAR required. 4. Certified GNSS required.

3500'
MSA ARP

CPG A [CPGA], ILNOT A [ILNOTA], SAFUC A [SAFUCA], SEVIL A [SEVILA] RNAV ARRIVALS
(RWY 18)



Direct distance from RF~11 to:
Guararapes-Gilberto Freyre Intl 12 NM

STAR	ROUTING
CPG A	After CPG, fly on 151^ track to RF016.
ILNOT A	After ILNOT, fly on 105^ track to RF016.
SAFUC A	After SAFUC, fly on 207^ track to RF016.
SEVIL A	After SEVIL, fly on 163^ track to RF016.
LANDING	

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CHANGES: CPG STAR renamed.

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GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

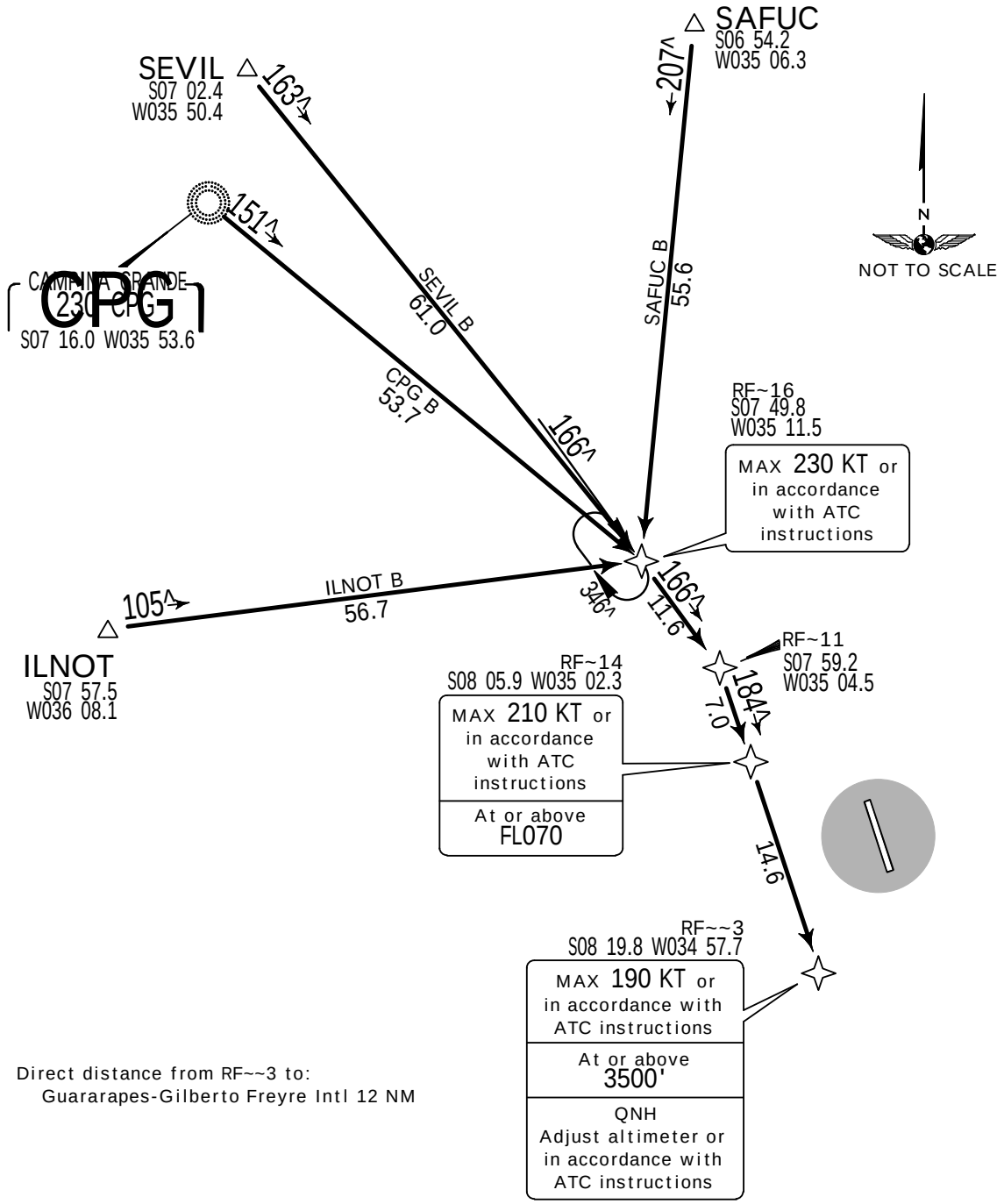
11 OCT 13 (10-2C) .Eff.17.Oct.

RECIFE, BRAZIL
.RNAV.STAR.

ATIS	Apt Elev	
127.65	33'	Alt set: hPa Trans level: By ATC Trans alt: 4000' 1. RNAV 1. 2. B-RNP 1. 3. RADAR required. 4. Certified GNSS required.

3500'
MSA ARP

CPG B [CPGB], ILNOT B [ILNOTB], SAFUC B [SAFUCB], SEVIL B [SEVILB] RNAV ARRIVALS
(RWY 36)



Direct distance from RF~~3 to:
Guararapes-Gilberto Freyre Intl 12 NM

STAR	ROUTING
CPG B	After CPG, fly on 151^ track to RF016.
ILNOT B	After ILNOT, fly on 105^ track to RF016.
SAFUC B	After SAFUC, fly on 207^ track to RF016.
SEVIL B	After SEVIL, fly on 163^ track to RF016.

LANDING

At RF016, intercept 166^ track to RF011, then intercept 184^ track to RF014, then intercept

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SBRF/REC
GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

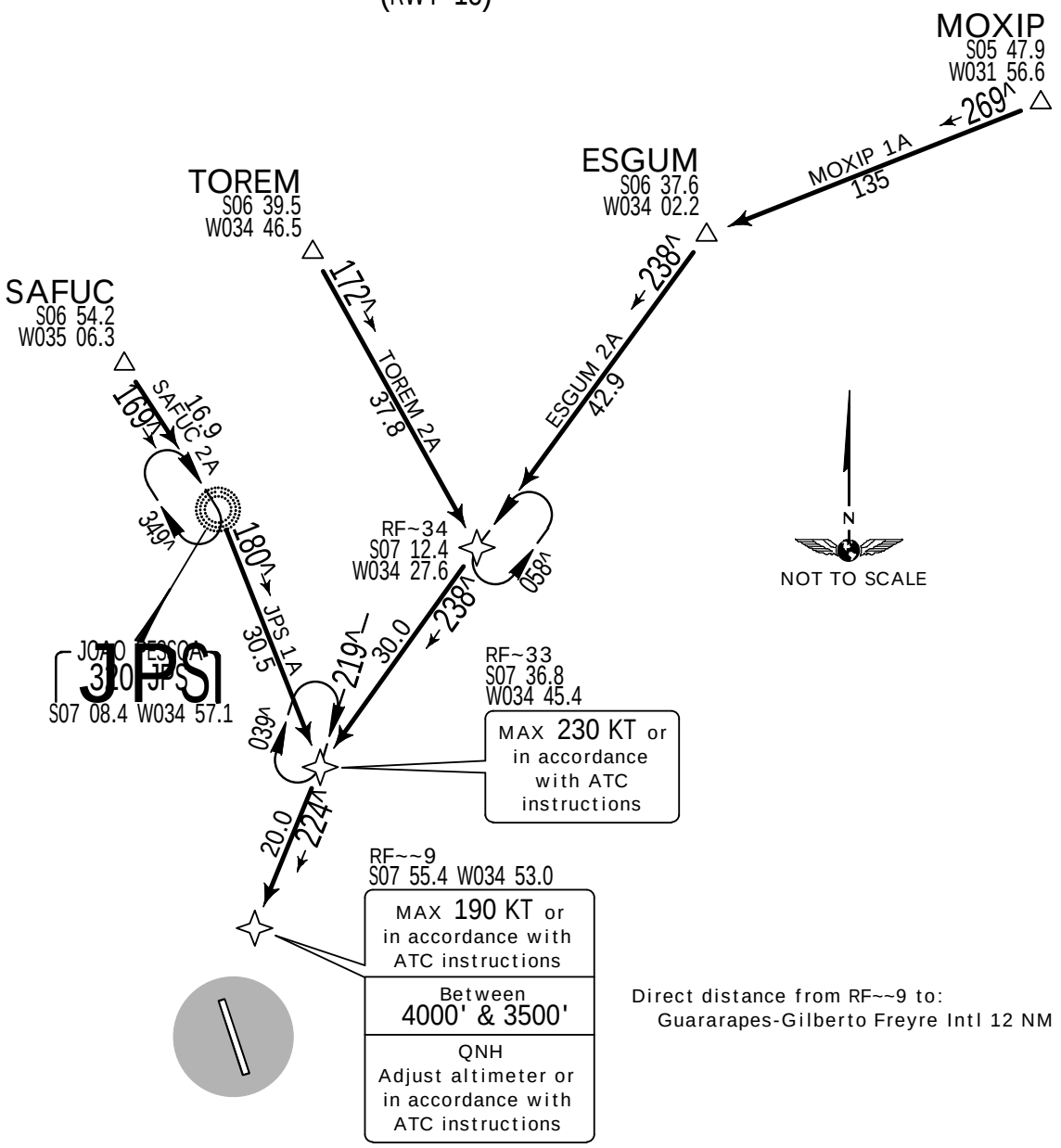
11 OCT 13 (10-2D) .Eff.17.Oct.

RECIFE, BRAZIL
.RNAV.STAR.

ATIS	Apt Elev	
127.65	33'	Alt set: hPa Trans level: By ATC Trans alt: 4000' 1. RNAV 1. 2. B-RNP 1. 3. RADAR required. 4. Certified GNSS required.

3500'
MSA ARP

ESGUM 2A [ESGU2A], JPS 1A [JPS1A], MOXIP 1A [MOXI1A], SAFUC 2A [SAFU2A], TOREM 2A [TORE2A] RNAV ARRIVALS
(RWY 18)



Direct distance from RF~~9 to:
Guararapes-Gilberto Freyre Intl 12 NM

STAR	ROUTING
ESGUM 2A	After ESGUM, intercept and MAINTAIN 238^ track to RF034, then MAINTAIN 238^ track to RF033, then turn LEFT to intercept and MAINTAIN 224^ track to RF009.
JPS 1A	After JPS, intercept and MAINTAIN 180^ track to RF033, then turn RIGHT to intercept and MAINTAIN 224^ track to RF009.
MOXIP 1A	After MOXIP, intercept and MAINTAIN 269^ track to ESGUM, then turn LEFT to intercept and MAINTAIN 238^ track to RF034, then MAINTAIN 238^ track to RF033, then turn LEFT to intercept and MAINTAIN 224^ track to RF009.
SAFUC 2A	After SAFUC, intercept and MAINTAIN 169^ track to JPS, then turn RIGHT to intercept and MAINTAIN 180^ track to RF033. Then turn RIGHT to intercept and MAINTAIN 224^ track to RF009.
TOREM 2A	After TOREM, intercept and MAINTAIN 172^ track to RF034, then turn RIGHT to intercept and MAINTAIN 238^ track to RF033, then turn LEFT to intercept and

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GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

11 OCT 13 (10-3) .Eff.17.Oct.

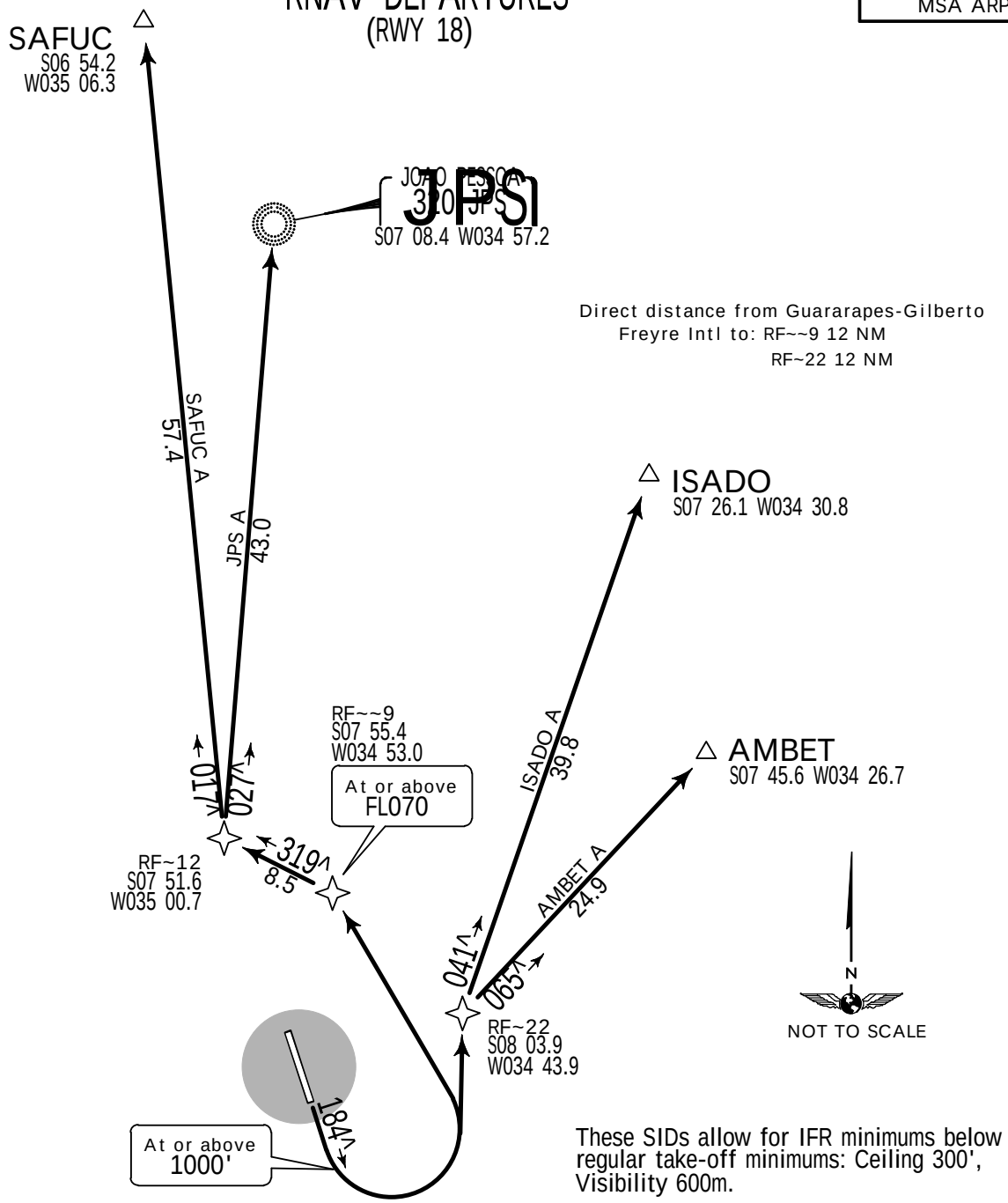
RECIFE, BRAZIL
.RNAV.SID.

Apt Elev	
33'	Trans level: By ATC Trans alt: 4000' 1. Certified GNSS required. 2. RNAV 1 or B-RNP 1.

3500'
MSA ARP

AMBET A [AMBETA], ISADO A [ISADOA], JPS A [JPSA], SAFUC A [SAFUCA] RNAV DEPARTURES

(RWY 18)



These SIDs allow for IFR minimums below regular take-off minimums: Ceiling 300', Visibility 600m.

NOISE ABATEMENT PROCEDURE-JET AIRCRAFT

Execute specific noise abatement procedure of equipment or MAINTAIN between V2+10 KT and V2+20 KT at the maximum rate of climb until 3000'.

INITIAL CLIMB

After take-off climb to 1000' on track 184^.

SID	ROUTING
AMBET A	Turn LEFT direct to RF022, turn RIGHT track 065^ to AMBET.
ISADO A	Turn LEFT direct to RF022, turn RIGHT track 041^ to ISADO.
JPS A	Turn LEFT direct to RF009, turn LEFT track 319^ to RF012, turn RIGHT track 027^ to JPS.
SAFUC A	Turn LEFT direct to RF009, turn LEFT track 319^ to RF012, turn RIGHT track 017^

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CHANGES: JPS SID renamed, JPS coordinates, procedure text revised.

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JEPPESEN

11 OCT 13 10-3A .Eff.17.Oct.

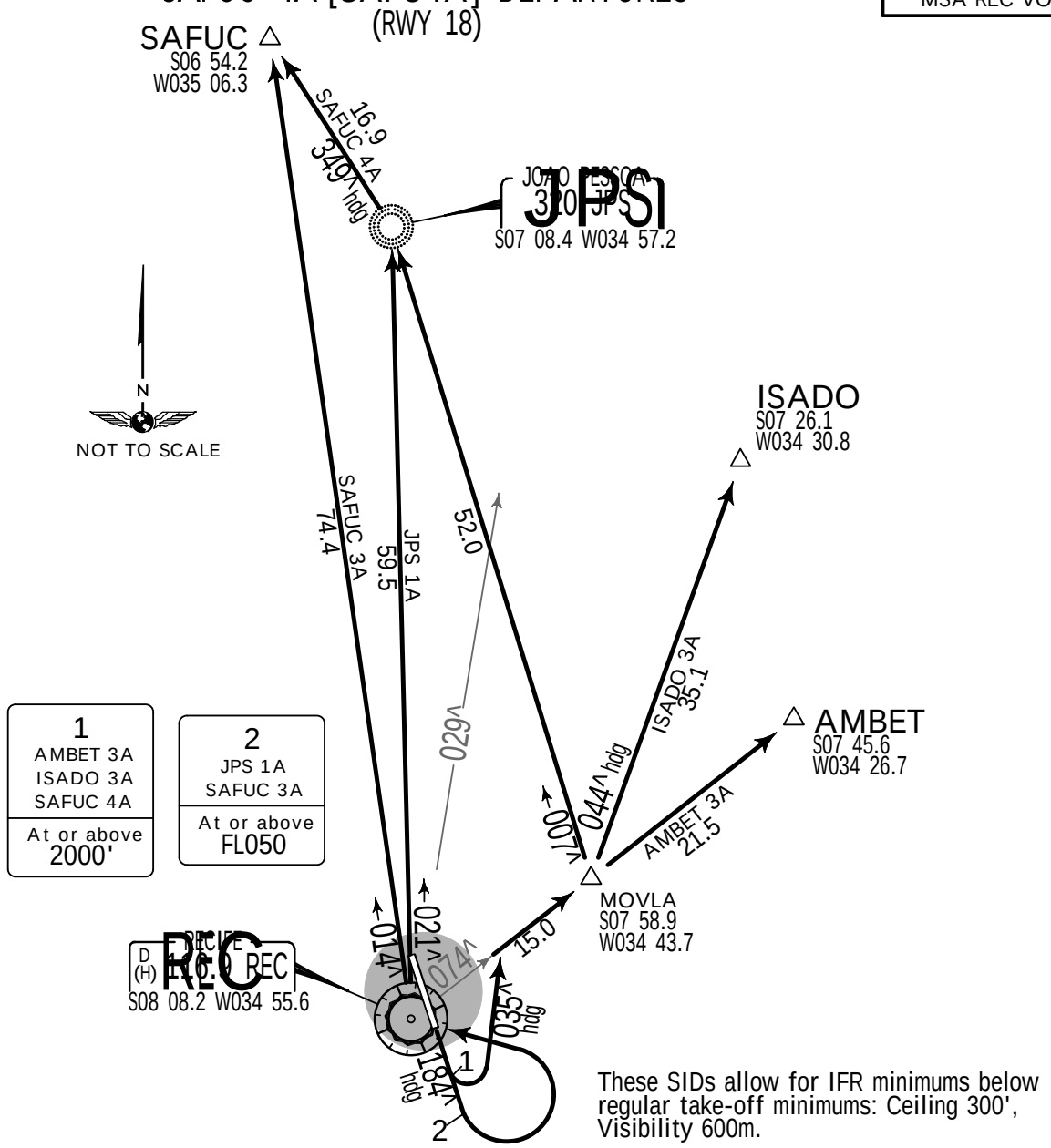
RECIFE, BRAZIL
.SID.

Apt Elev 33'	Trans level: By ATC Trans alt: 4000'

3500'
MSA REC VOR

AMBET 3A [AMBE3A], ISADO 3A [ISAD3A], JPS 1A [JPS1A], SAFUC 3A [SAFU3A], SAFUC 4A [SAFU4A] DEPARTURES

(RWY 18)



These SIDs allow for IFR minimums below regular take-off minimums: Ceiling 300', Visibility 600m.

NOISE ABATEMENT PROCEDURE-JET AIRCRAFT

Execute specific noise abatement procedure of equipment or MAINTAIN between V2+10 KT and V2+20 KT at the maximum rate of climb until passing 3000'.

SID	INITIAL CLIMB
AMBET 3A	After take-off, MAINTAIN 184^ heading until passing 2000'. Then, turn LEFT heading 035^ to intercept and MAINTAIN REC R-074 to AMBET.
ISADO 3A	After take-off, MAINTAIN 184^ heading until passing 2000'. Then, turn LEFT heading 035^ to intercept and MAINTAIN REC R-074 to MOVLA. Then, turn LEFT heading 044^ to ISADO.
JPS 1A	After take-off, MAINTAIN 184^ heading until passing FL050. Then, turn LEFT to REC, then turn RIGHT to JPS.
SAFUC 3A	After take-off, MAINTAIN 184^ heading until passing FL050. Then, turn LEFT to REC. Then, turn RIGHT to intercept 014^ course to SAFUC.
SAFUC 4A	After take-off, MAINTAIN 184^ heading until passing 2000'. Then, turn LEFT heading 035^ to intercept and MAINTAIN REC R-074 to MOVLA. Then, turn LEFT to

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GILBERTO FREYRE INTL

JEPPESEN

11 OCT 13 (10-3B) .Eff.17.Oct.

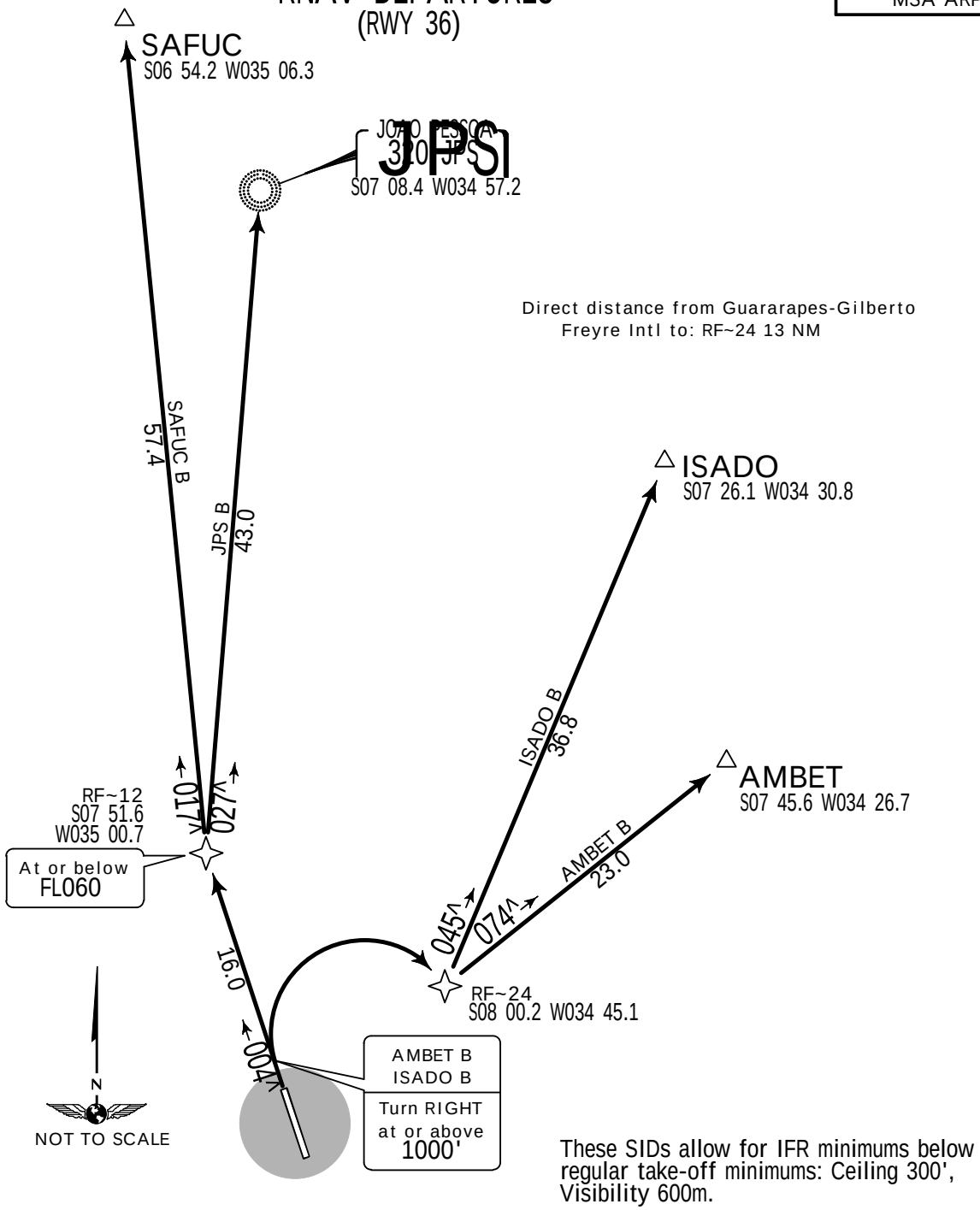
RECIFE, BRAZIL
.RNAV.SID.

Apt Elev	
33'	Trans level: By ATC Trans alt: 4000' 1. Certified GNSS required. 2. RNAV 1 or B-RNP 1.

3500'
MSA ARP

AMBET B [AMBETB], ISADO B [ISADOB], JPS B [JPSB], SAFUC B [SAFUCB] RNAV DEPARTURES

(RWY 36)



These SIDs allow for IFR minimums below regular take-off minimums: Ceiling 300', Visibility 600m.

NOISE ABATEMENT PROCEDURE-JET AIRCRAFT	
Execute specific noise abatement procedure of equipment or MAINTAIN between V2+10 KT and V2+20 KT at the maximum rate of climb until 3000', maintaining track 004^.	
SID	INITIAL CLIMB
AMBET B	After take-off climb to 1000' on track 004^, turn RIGHT direct to RF024, turn LEFT track 074^ to AMBET.
ISADO B	After take-off climb to 1000' on track 004^, turn RIGHT direct to RF024, turn LEFT track 045^ to ISADO.
JPS B	After take-off MAINTAIN 004^ course to RF012, turn RIGHT track 027^ to JPS.

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CHANGES: JPS SID renamed, JPS coordinates.

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GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

11 OCT 13 (10-3C) .Eff.17.Oct.

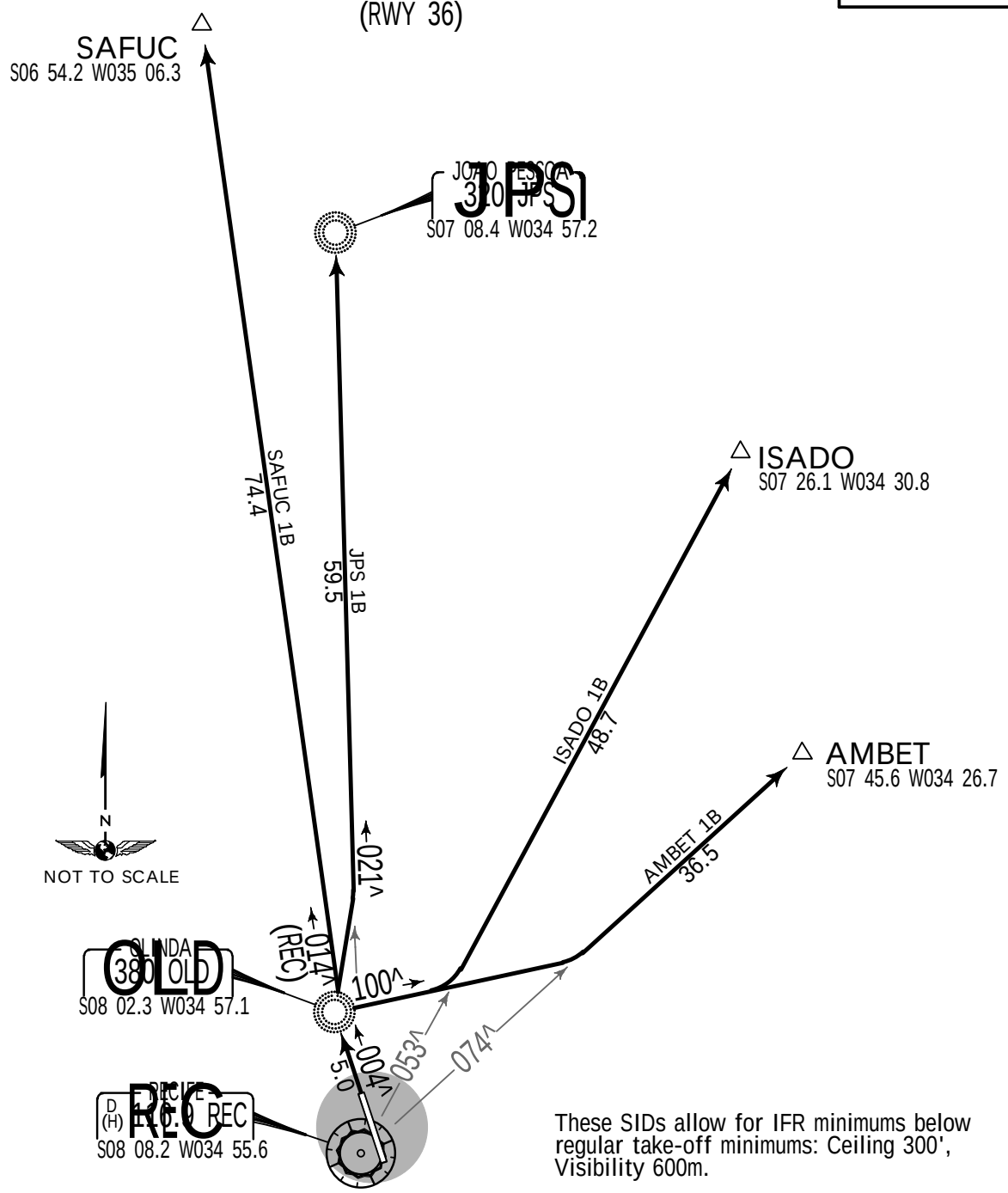
RECIFE, BRAZIL
.SID.

Apt Elev 33'	Trans level: By ATC Trans alt: 4000'

3500'
MSA REC VOR

AMBET 1B [AMBE1B], ISADO 1B [ISAD1B], JPS 1B [JPS1B], SAFUC 1B [SAFU1B] DEPARTURES

(RWY 36)



These SIDs allow for IFR minimums below regular take-off minimums: Ceiling 300', Visibility 600m.

NOISE ABATEMENT PROCEDURE-JET AIRCRAFT

Execute specific noise abatement procedure of equipment or MAINTAIN between V2+10 KT and V2+20 KT at the maximum rate of climb until 3000'.

SID	INITIAL CLIMB
AMBET 1B	Climb to OLD, turn RIGHT on 100^ course to intercept REC R-074 to AMBET. Then continue enroute.
ISADO 1B	Turn RIGHT on 100^ course to intercpet REC R-053 to ISADO. Then continue enroute.
JPS 1B	After take-off, climb to OLD to intercept REC R-021 to JPS.
SAFUC 1B	After take-off, climb to OLD to intercept REC R-014 to SAFUC. Then continue

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CHANGES: JPS SID renamed, JPS coordinates, procedure text revised.

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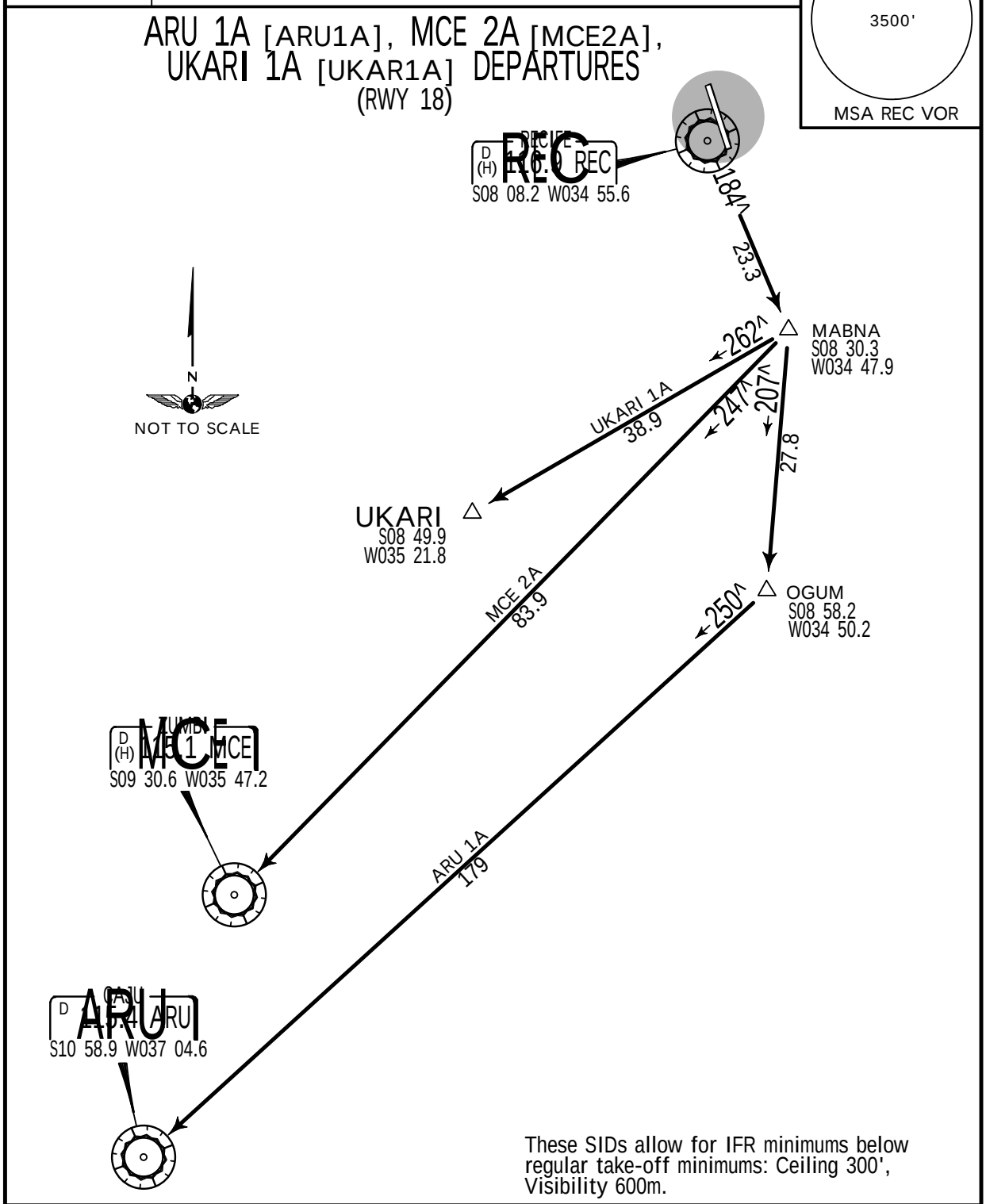
GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

11 OCT 13 (10-3D) .Eff.17.Oct.

RECIFE, BRAZIL
.SID.

Apt Elev	Trans level: By ATC Trans alt: 4000'
33'	



These SIDs allow for IFR minimums below regular take-off minimums: Ceiling 300', Visibility 600m.

NOISE ABATEMENT PROCEDURE-JET AIRCRAFT

Execute specific noise abatement procedure of equipment or MAINTAIN between V2+10 KT and V2+20 KT at the maximum rate of climb until 3000'.

INITIAL CLIMB

After take-off continue on REC R-184 to MABNA.

SID	ROUTING
ARU 1A	At MABNA, turn RIGHT to intercept 207^ course to OGUM, then turn RIGHT to intercept 250^ course to ARU. Then continue enroute.
MCE 2A	At MABNA, turn RIGHT to intercept 247^ course to MCE. Then continue enroute. Aircraft destined for UW-58 must intercept it after MCE.
UKARI 1A	At MABNA, turn RIGHT to intercept 262^ course to UKARI. Then continue

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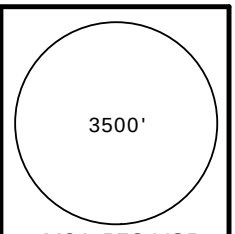
JEPPESEN 11 OCT 13 10-3E .Eff.17.Oct.

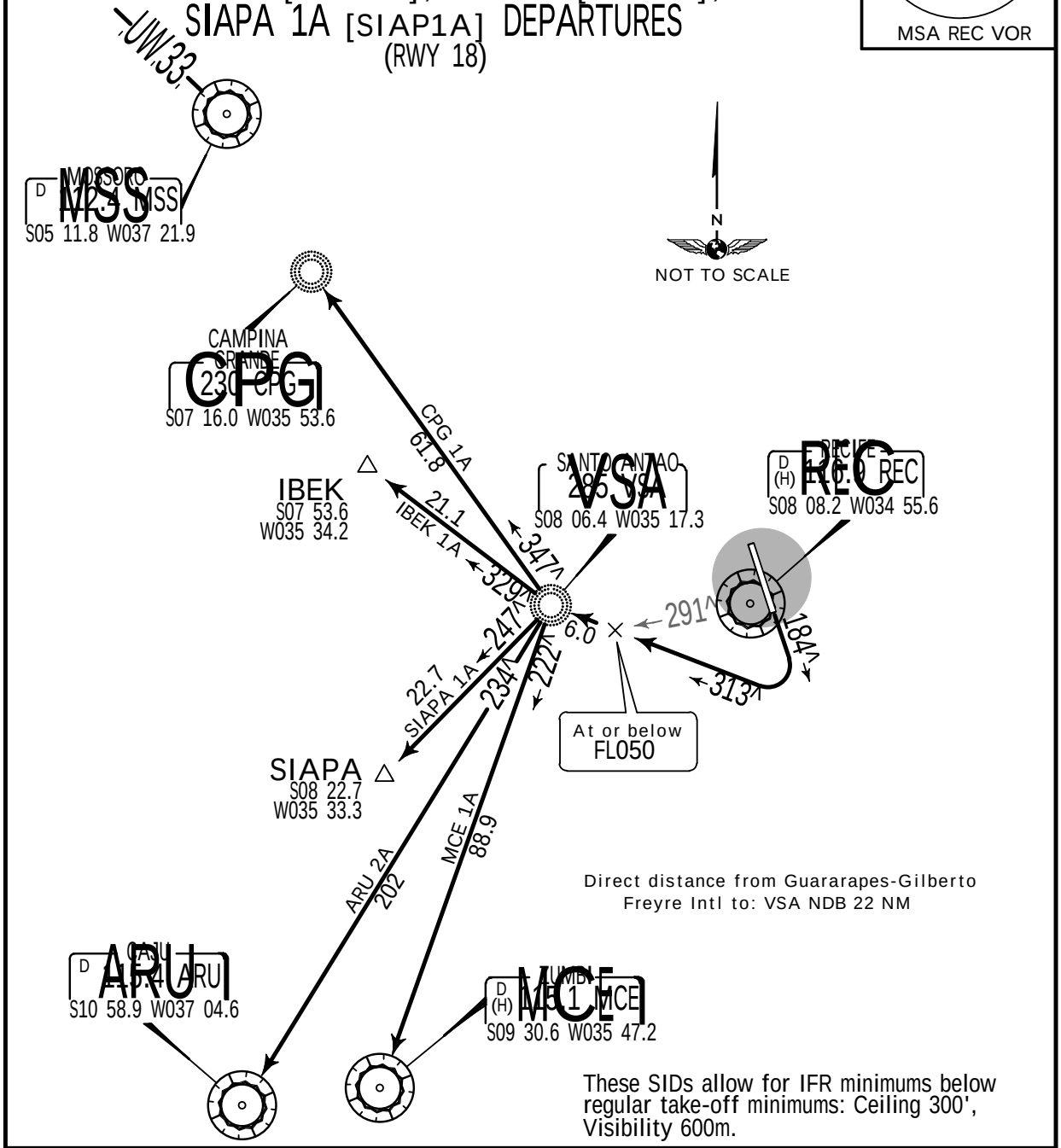
RECIFE, BRAZIL .SID.

Apt Elev	Trans level: By ATC Trans alt: 4000'
33'	



MSA REC VOR

ARU 2A [ARU2A], CPG 1A [CPG1A], IBEK 1A [IBEK1A], MCE 1A [MCE1A], SIAPA 1A [SIAP1A] DEPARTURES (RWY 18)



These SIDs allow for IFR minimums below regular take-off minimums: Ceiling 300', Visibility 600m.

NOISE ABATEMENT PROCEDURE-JET AIRCRAFT

Execute specific noise abatement procedure of equipment or MAINTAIN between V2+10 KT and V2+20 KT at the maximum rate of climb until 3000'.

INITIAL CLIMB

Turn RIGHT to intercept 313^ course to VSA.

SID	ROUTING
ARU 2A	At VSA, turn LEFT to intercept VSA 234^ bearing to ARU, then continue enroute.
CPG 1A	At VSA, turn RIGHT to intercept VSA 347^ bearing to CPG, then continue enroute. Aircraft destined for UW-33 must intercept MSS after CPG.
IBEK 1A	At VSA, turn RIGHT to intercept VSA 329^ bearing to IBEK, then continue enroute.
MCE 1A	At VSA, turn LEFT to intercept VSA 222^ bearing to MCE, then continue enroute. Aircraft destined for UW-58 must intercept it after MCE.
SIAPA 1A	At VSA, turn LEFT to intercept VSA 247^ bearing to SIAPA, then continue enroute.

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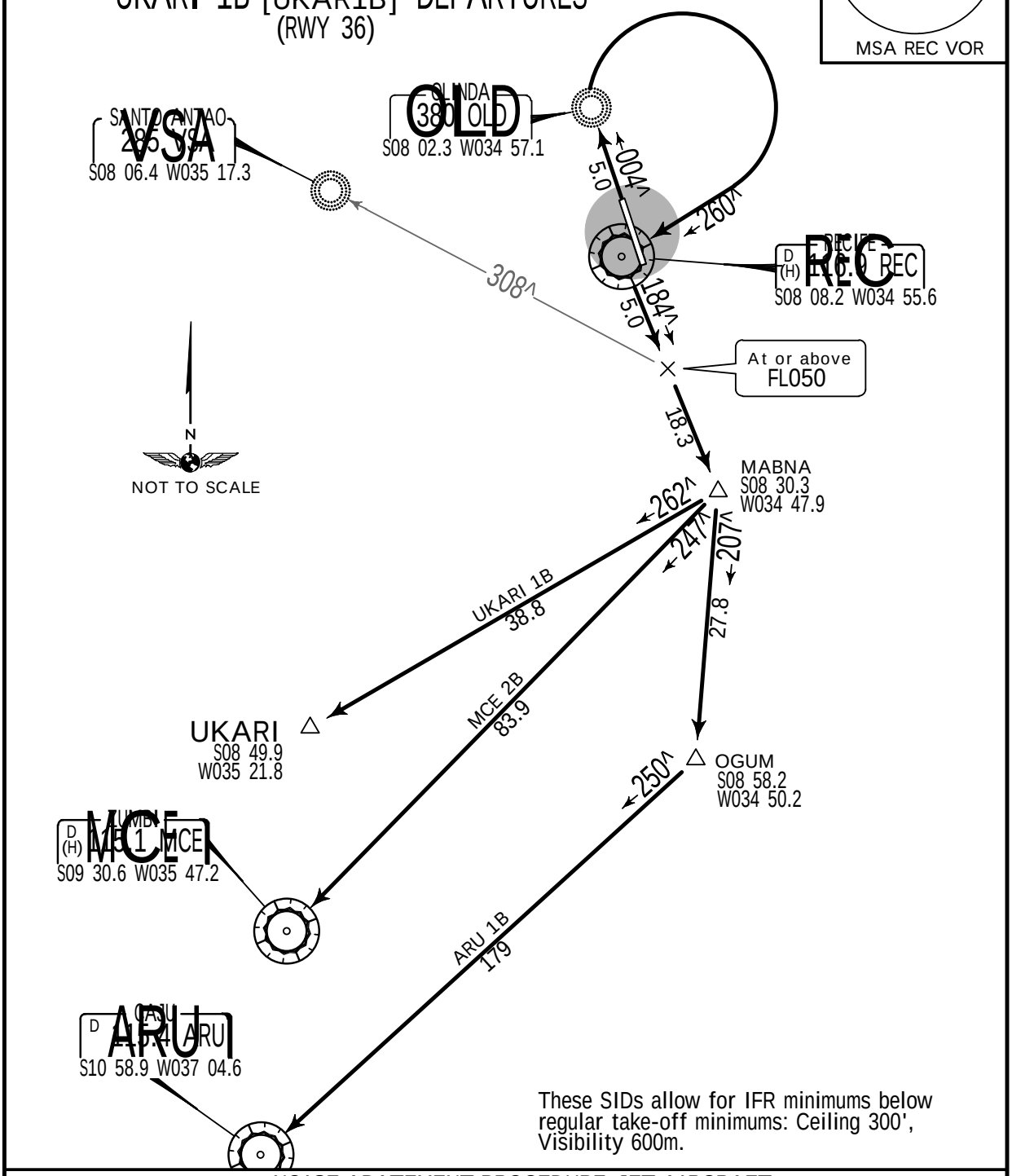
GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN
20 DEC 13 10-3F

RECIFE, BRAZIL
.SID.

Apt Elev	Trans level: By ATC Trans alt: 4000'
33'	

ARU 1B [ARU1B], MCE 2B [MCE2B], UKARI 1B [UKAR1B] DEPARTURES
(RWY 36)



These SIDs allow for IFR minimums below regular take-off minimums: Ceiling 300', Visibility 600m.

NOISE ABATEMENT PROCEDURE-JET AIRCRAFT

Execute specific noise abatement procedure of equipment or MAINTAIN between V2+10 KT and V2+20 KT at the maximum rate of climb until 3000'.

INITIAL CLIMB

Climb to OLD, turn RIGHT to intercept 260^ bearing to REC. Intercept REC R-184 to MABNA.

SID	ROUTING
ARU 1B	At MABNA, turn RIGHT to intercept 207^ course to OGUM, then turn RIGHT to intercept 250^ course to ARU. Then continue enroute.
MCE 2B	At MABNA, turn RIGHT to intercept 247^ course to MCE. Then continue enroute. Aircraft destined for UW-58 must intercept it after MCE.
UKARI 1B	At MABNA, turn RIGHT to intercept 262^ course to UKARI. Then continue

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SBRF/REC GUARARAPES-GILBERTO FREYRE INTL

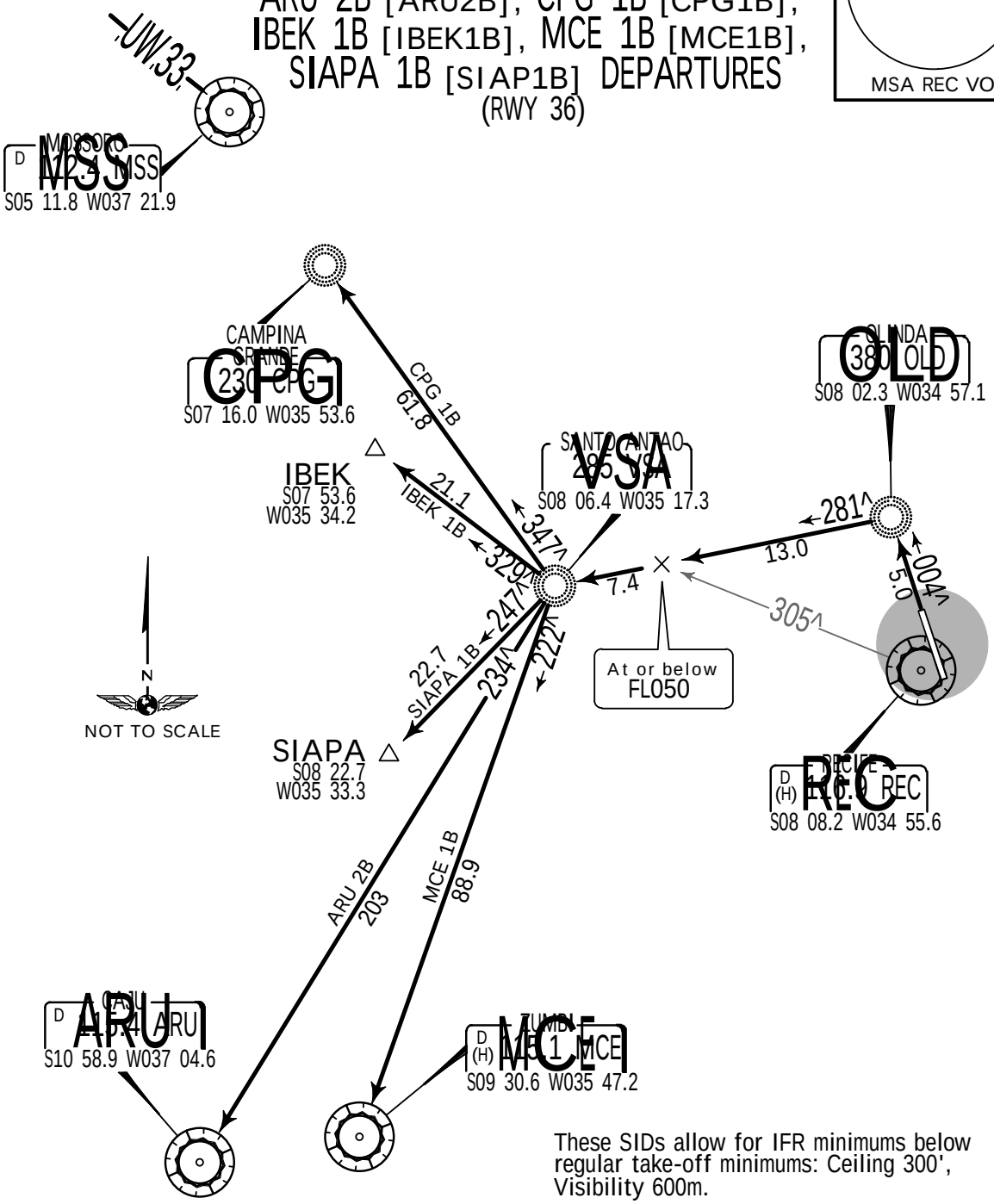
JEPPESEN 20 DEC 13 10-3G

RECIFE, BRAZIL .SID.

Apt Elev 33'	Trans level: By ATC Trans alt: 4000'

3500'
MSA REC VOR

ARU 2B [ARU2B], CPG 1B [CPG1B], IBEK 1B [IBEK1B], MCE 1B [MCE1B], SIAPA 1B [SIAP1B] DEPARTURES
(RWY 36)



These SIDs allow for IFR minimums below regular take-off minimums: Ceiling 300', Visibility 600m.

NOISE ABATEMENT PROCEDURE-JET AIRCRAFT

Execute specific noise abatement procedure of equipment or MAINTAIN between V2+10 KT and V2+20 KT at the maximum rate of climb until 3000'.

INITIAL CLIMB

Climb to OLD, turn LEFT and intercept the 281^ bearing to VSA.

SID	ROUTING
ARU 2B	At VSA turn LEFT to intercept the VSA 234^ bearing to ARU, then continue enroute.
CPG 1B	At VSA turn RIGHT to intercept the VSA 347^ bearing to CPG, then continue enroute. Aircraft destined for UW-33 must intercept MSS after CPG.
IBEK 1B	At VSA turn RIGHT to intercept the VSA 329^ bearing to IBEK, then continue enroute.
MCE 1B	At VSA turn LEFT to intercept the VSA 222^ bearing to MCE, then continue enroute. Aircraft destined for UW-58 must intercept it after MCE.
SIAPA 1B	At VSA turn LEFT to intercept the VSA 247^ bearing to SIAPA, then continue

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GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

20 JUN 14 10-3H .Eff.26.Jun.

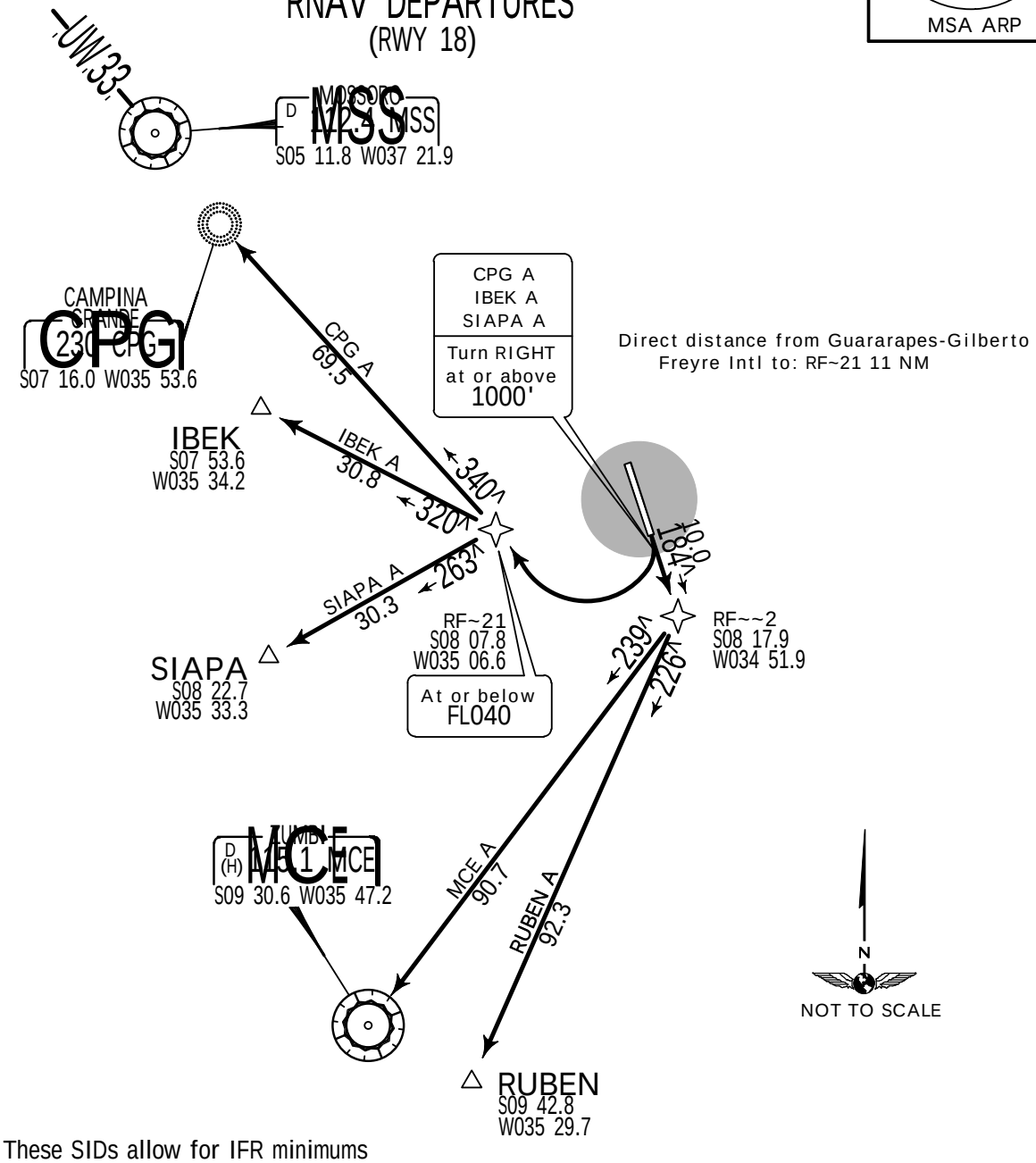
RECIFE, BRAZIL
.RNAV.SID.

Apt Elev	Trans level: By ATC Trans alt: 4000'
33'	1. Certified GNSS required. 2. RNAV 1 or B-RNP 1.

3500'
MSA ARP

CPG A [CPGA], IBEK A [IBEKA], MCE A [MCEA], RUBEN A [RUBENA], SIAPA A [SIAPAA] RNAV DEPARTURES

(RWY 18)



These SIDs allow for IFR minimums below regular take-off minimums: Ceiling 300', Visibility 600m.

NOISE ABATEMENT PROCEDURE-JET AIRCRAFT

Execute specific noise abatement procedure of equipment or MAINTAIN between V2+10 KT and V2+20 KT at the maximum rate of climb until 3000'.

SID	INITIAL CLIMB
CPG A	After take-off climb to 1000' on track 184^, turn RIGHT direct to RF021, turn LEFT track 340^ to CPG. Aircraft destined for UW-33 must intercept MSS after CPG.
IBEK A	After take-off climb to 1000' on track 184^, turn RIGHT direct to RF021, turn LEFT track 320^ to IBEK.
MCE A	After take-off MAINTAIN 184^ course to RF002, turn RIGHT track 239^ to MCE. Aircraft destined for UW-58 must intercept it after MCE.
RUBEN A	After take-off MAINTAIN 184^ course to RF002, turn RIGHT track 226^ to RUBEN.
SIAPA A	After take-off climb to 1000' on track 184^, turn RIGHT direct to RF021, turn LEFT

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SBRF/REC GUARARAPES-GILBERTO FREYRE INTL

JEPPESEN

20 JUN 14 (10-3J) .Eff.26.Jun.

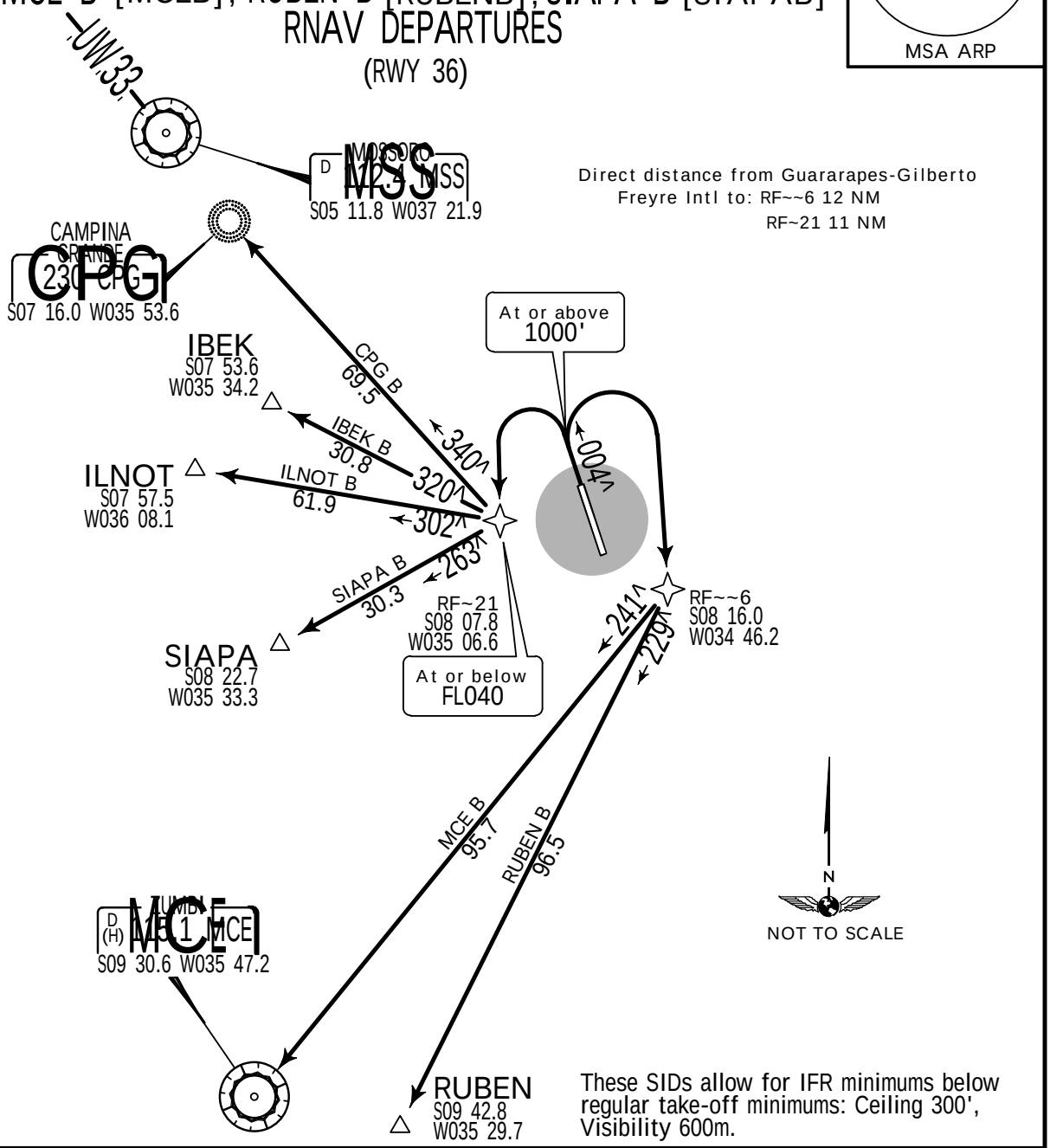
RECIFE, BRAZIL .RNAV.SID.

Apt Elev	
33'	Trans level: By ATC Trans alt: 4000' 1. Certified GNSS required. 2. RNAV 1 or B-RNP 1.

3500'
MSA ARP

CPG B [CPGB], IBEK B [IBEKB], ILNOT B [ILNOTB], MCE B [MCEB], RUBEN B [RUBENB], SIAPA B [SIAPAB] RNAV DEPARTURES

(RWY 36)



These SIDs allow for IFR minimums below regular take-off minimums: Ceiling 300', Visibility 600m.

NOISE ABATEMENT PROCEDURE-JET AIRCRAFT

Execute specific noise abatement procedure of equipment or MAINTAIN between V2+10 KT and V2+20 KT at the maximum rate of climb until 3000'.

SID	INITIAL CLIMB
CPG B	After take-off, climb to 1000' on track 004^, turn LEFT direct RF021, turn RIGHT track 340^ to CPG. Aircraft destined for UW-33 must intercept MSS after CPG.
IBEK B	After take-off, climb to 1000' on track 004^, turn LEFT direct RF021, turn RIGHT track 320^ to IBEK.
ILNOT B	After take-off, climb to 1000' on track 004^, turn LEFT direct RF021, turn RIGHT track 302^ to ILNOT.
MCE B	After take-off, climb to 1000' on track 004^, turn RIGHT direct RF006, turn RIGHT track 241^ to MCE. Aircraft destined for UW-58 must intercept it after MCE.
RUBEN B	After take-off, climb to 1000' on track 004^, turn RIGHT direct RF006, turn RIGHT track 229^ to RUBEN.
SIAPA B	After take-off, climb to 1000' on track 004^, turn LEFT direct RF021, turn RIGHT

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GILBERTO FREYRE INTL

JEPPESEN

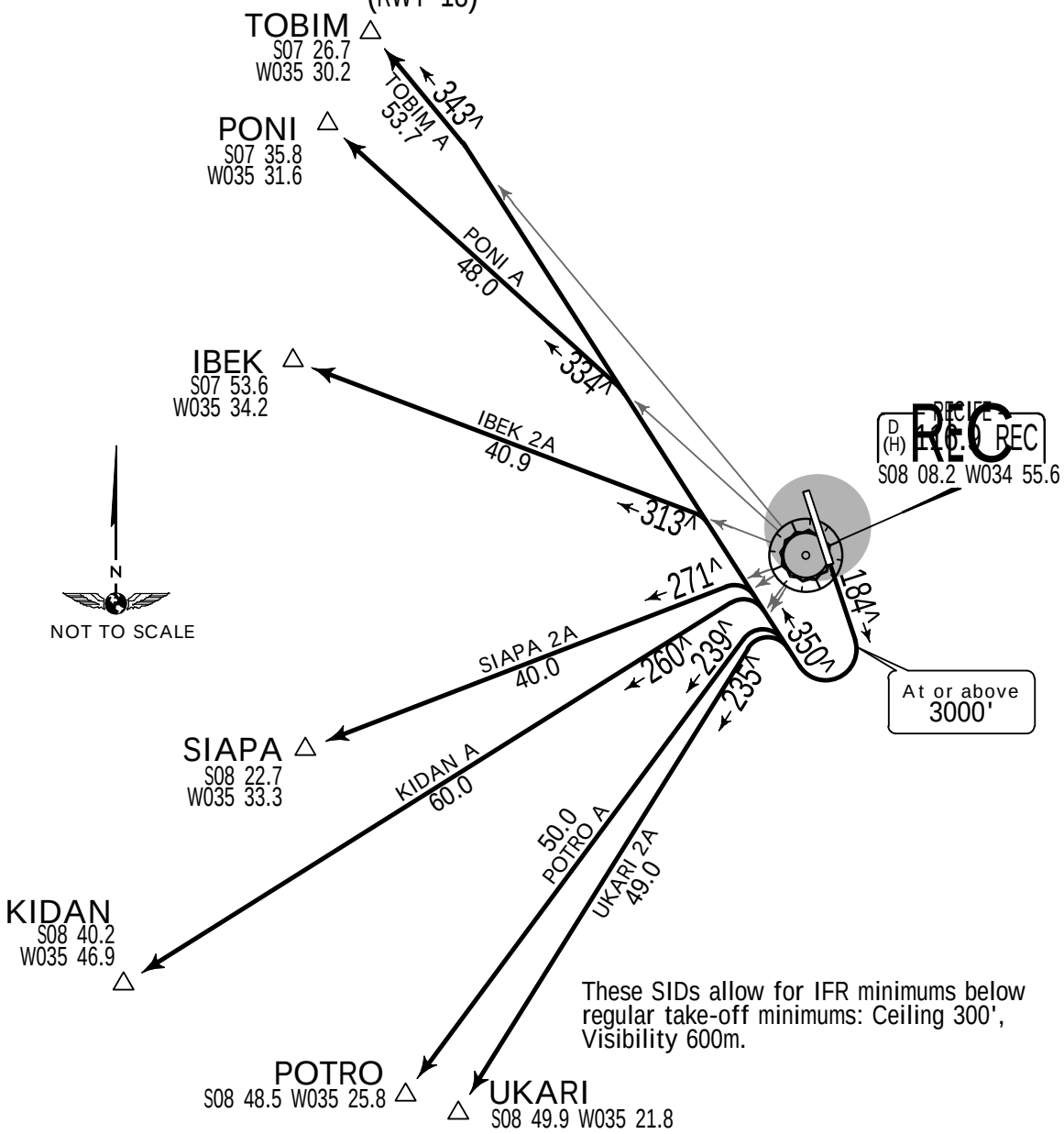
11 OCT 13 (10-3K) .Eff.17.Oct.

RECIFE, BRAZIL
.SID.

Apt Elev 33'	Trans level: By ATC Trans alt: 4000'

3500'
MSA REC VOR

IBEK 2A [IBEK2A], KIDAN A [KIDANA], PONI A [PONIA], POTRO A [POTROA], SIAPA 2A [SIAP2A], TOBIM A [TOBIMA], UKARI 2A [UKAR2A] DEPARTURES
(RWY 18)



These SIDs allow for IFR minimums below regular take-off minimums: Ceiling 300', Visibility 600m.

NOISE ABATEMENT PROCEDURE-JET AIRCRAFT

Execute specific noise abatement procedure of equipment or MAINTAIN between V2+10 KT and V2+20 KT at the maximum rate of climb until 3000', maintaining track 184^.

INITIAL CLIMB

Turn RIGHT to intercept 350^ course.

SID	ROUTING
IBEK 2A	Intercept REC R-313 to IBEK. Then continue enroute.
KIDAN A	Intercept REC R-260 to KIDAN. Then continue enroute.
PONI A	Intercept REC R-334 to PONI. Then continue enroute.
POTRO A	Intercept REC R-239 to POTRO. Then continue enroute.
SIAPA 2A	Intercept REC R-271 to SIAPA. Then continue enroute.
TOBIM A	Intercept REC R-343 to TOBIM. Then continue enroute.

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GILBERTO FREYRE INTL

JEPPESEN

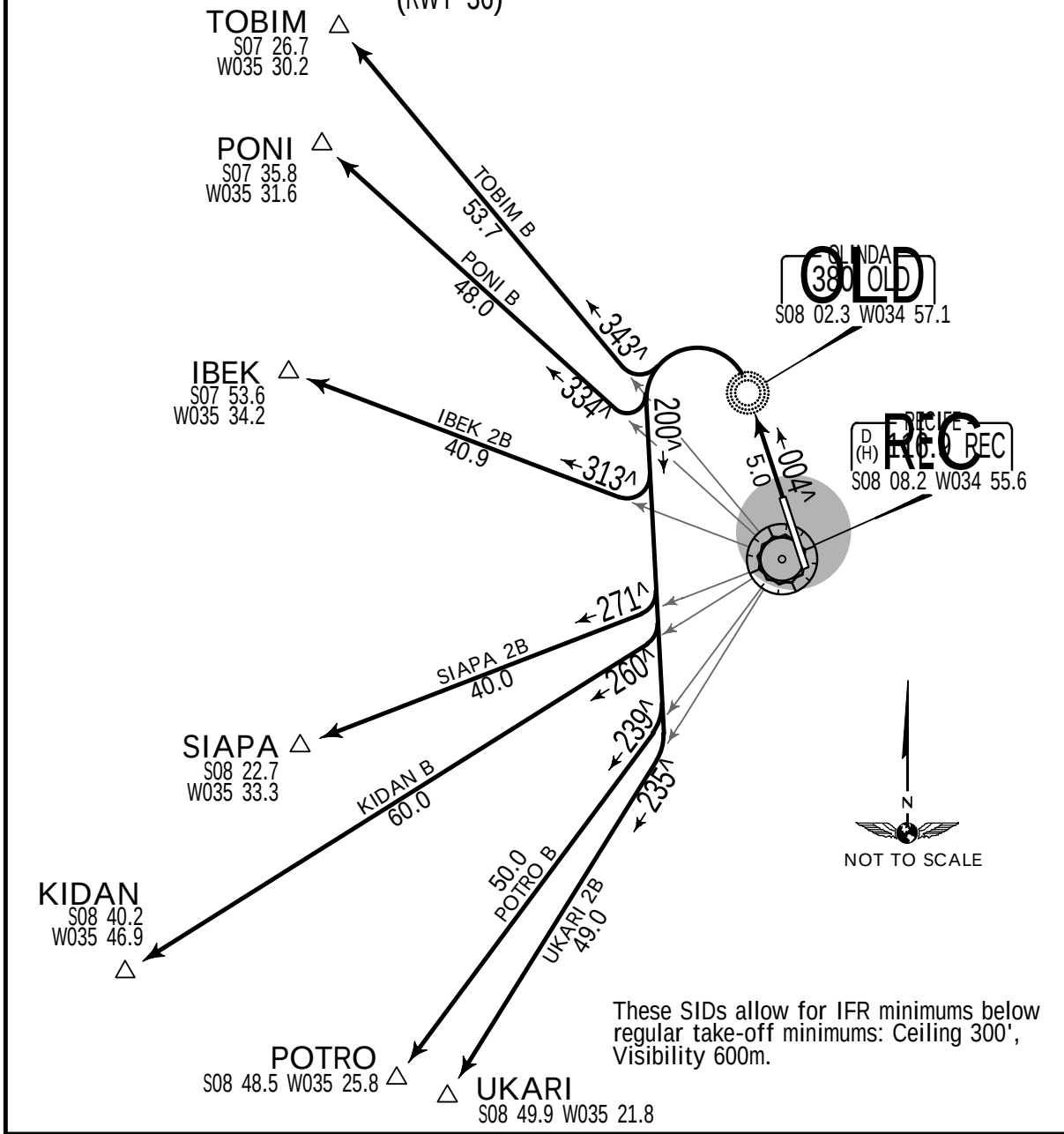
11 OCT 13 (10-3L) .Eff.17.Oct.

RECIFE, BRAZIL
.SID.

Apt Elev 33'	Trans level: By ATC Trans alt: 4000'

3500'
MSA REC VOR

IBEK 2B [IBEK2B], KIDAN B [KIDANB], PONI B [PONIB], POTRO B [POTROB], SIAPA 2B [SIAP2B], TOBIM B [TOBIMB], UKARI 2B [UKAR2B] DEPARTURES
(RWY 36)



These SIDs allow for IFR minimums below regular take-off minimums: Ceiling 300', Visibility 600m.

NOISE ABATEMENT PROCEDURE-JET AIRCRAFT

Execute specific noise abatement procedure of equipment or MAINTAIN between V2+10 KT and V2+20 KT at the maximum rate of climb until 3000', maintaining track 004^.

INITIAL CLIMB

Climb to OLD, then turn LEFT to intercept 200^ course.

SID	ROUTING
IBEK 2B	Intercept REC R-313 to IBEK. Then continue enroute.
KIDAN B	Intercept REC R-260 to KIDAN. Then continue enroute.
PONI B	Intercept REC R-334 to PONI. Then continue enroute.
POTRO B	Intercept REC R-239 to POTRO. Then continue enroute.
SIAPA 2B	Intercept REC R-271 to SIAPA. Then continue enroute.
TOBIM B	Intercept REC R-343 to TOBIM. Then continue enroute.

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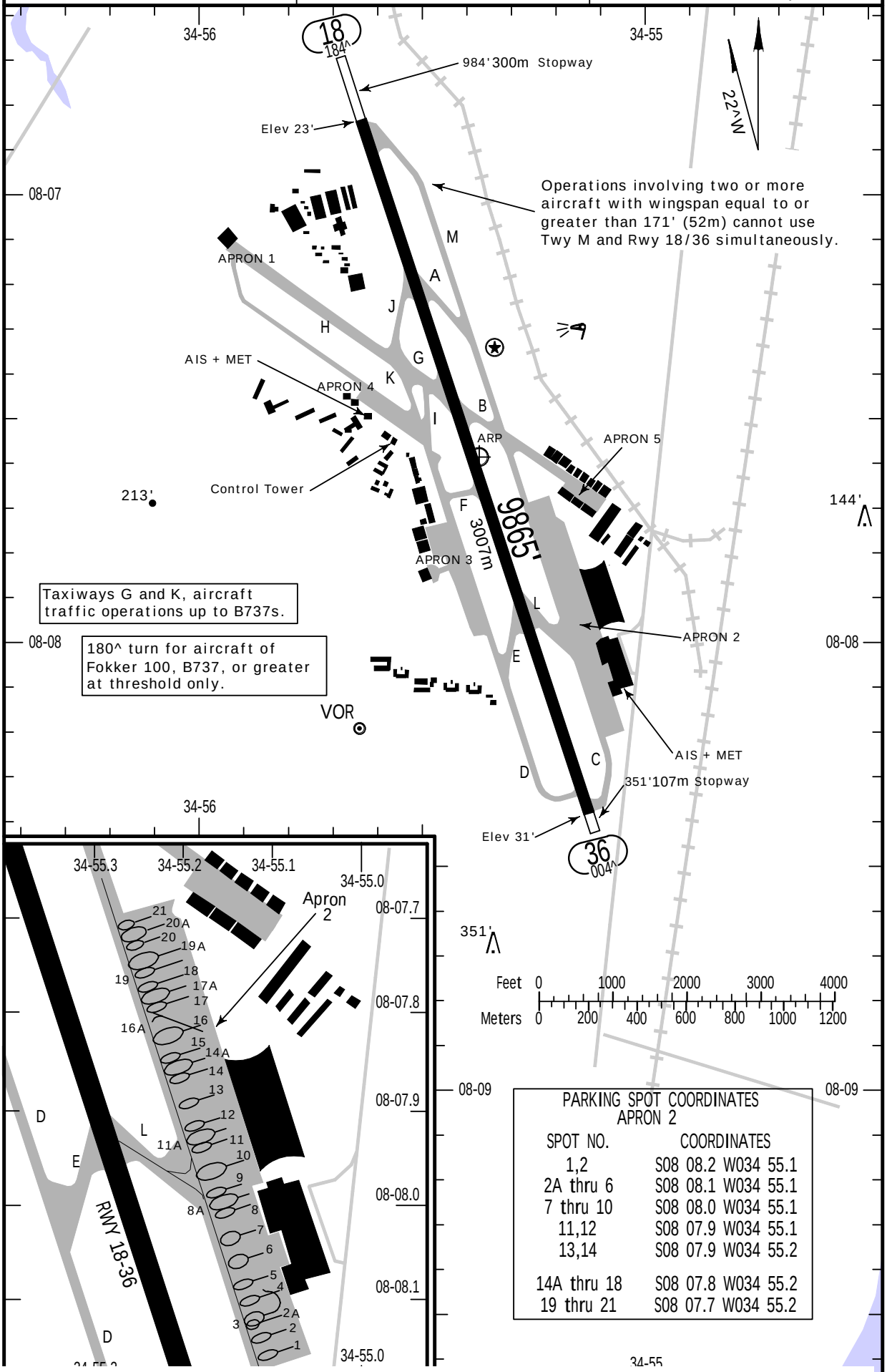
SBRF/REC — RECIFE, BRAZIL

Apt Elev 33'
S08 07.6 W034 55.4

JEPPESEN
20 DEC 13 (10-9)

GUARARAPES-GILBERTO FREYRE INTL

ATIS	RECIFE Ground	Tower
127.65	121.85	118.35 Military 122.8



PARKING SPOT COORDINATES
APRON 2

SPOT NO.	COORDINATES
1,2	S08 08.2 W034 55.1
2A thru 6	S08 08.1 W034 55.1
7 thru 10	S08 08.0 W034 55.1
11,12	S08 07.9 W034 55.1
13,14	S08 07.9 W034 55.2
14A thru 18	S08 07.8 W034 55.2
19 thru 21	S08 07.7 W034 55.2

CHANGES: Rwy 36 end elevation.

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GENERAL

Jet and/or turbo prop aircraft are prohibited to execute maneuvers on the military apron, turning their tails to the buildings.

Vultures in vicinity of airport.

ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS LANDING BEYOND Threshold	Glide Slope	TAKE-OFF	WIDTH
18	HIRL PAPI (3.00^)				148' 45m
36	HIRL PAPI-L (3.00^)				

TAKE-OFF & DEPARTURE PROCEDURE

	All Rwys		
	Take-Off Altn Apt. Filed	Regular	
	RL & RCLM		
2, 3 & 4 Eng Jet or Turbo Prop	300'-600m	All Acft	Cat A Landing Minimums

DEPARTURE PROCEDURE: IFR departures must comply with published SIDs.

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SBRF/REC
GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

20 DEC 13 (11-1)

RECIFE, BRAZIL
ILS Z Rwy 18

BRIEFING STRIP ™

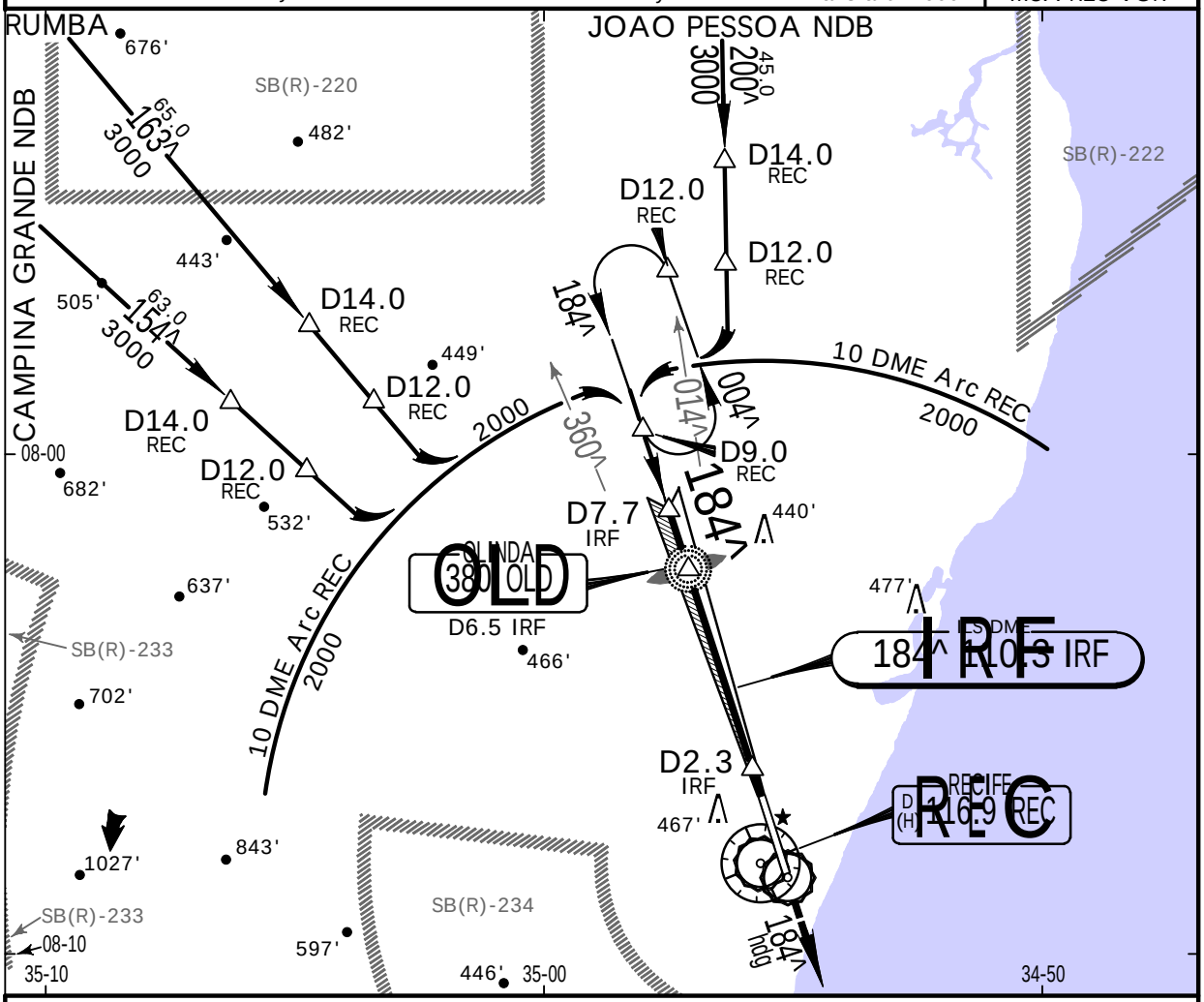
ATIS	RECIFE Control (APP)(R)			RECIFE Tower		Ground
127.65	119.5	119.95	129.6	118.35	Military 122.8	121.85

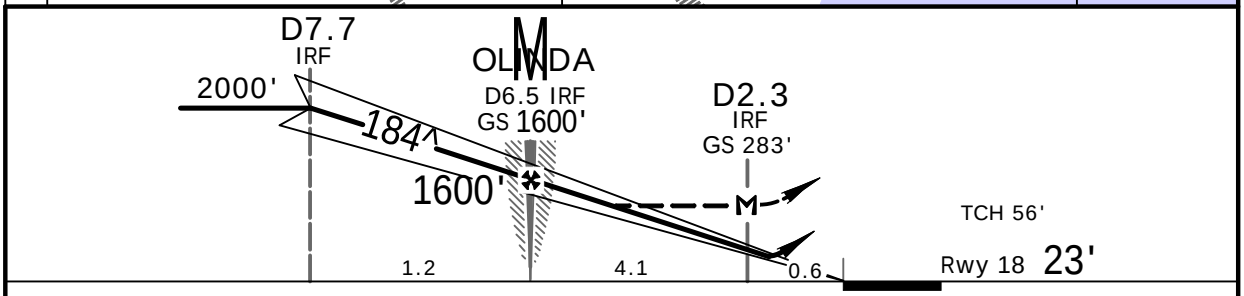
LOC IRF	Final Apch Crs	GS OLINDA	ILS DA(H)	Apt Elev 33'
110.3	184^	1600' (1577')	240' (217')	Rwy 18 23'

MISSED APCH: Climb to 3000' on 184^ heading.

Alt Set: hPa | Rwy Elev: 1 hPa | Trans level: By ATC | Trans alt: 4000'

3000'
MSA REC VOR





Gnd speed-Kts		90	110	130	150	170	190
GS	3.00^	478	584	690	796	902	1008
Rate of descent on final (feet/min)		500	600	700	800	900	1000
MAP at D2.3 IRF or OLINDA to MAP	4.1	2:44	2:15	1:54	1:39	1:27	1:18

PAPI | 3000' on 184^ hdg

STRAIGHT-IN LANDING RWY 18 — CEILING REQUIRED. — CIRCLE-TO-LAND

	ILS DA(H) 240' (217')	LOC (GS out) MDA(H) 450' (427')	Max Kts	MDA(H)	CEIL-VIS
	CEILING-VISIBILITY				
A	200'-1300m	500'-1700m	100	700' (667')	700'-1700m
B			135		
C		500'-2500m	180	700' (667')	700'-2900m

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SBRF/REC
GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

20 DEC 13 (11-2)

RECIFE, BRAZIL
ILS X Rwy 18

BRIEFING STRIP ™

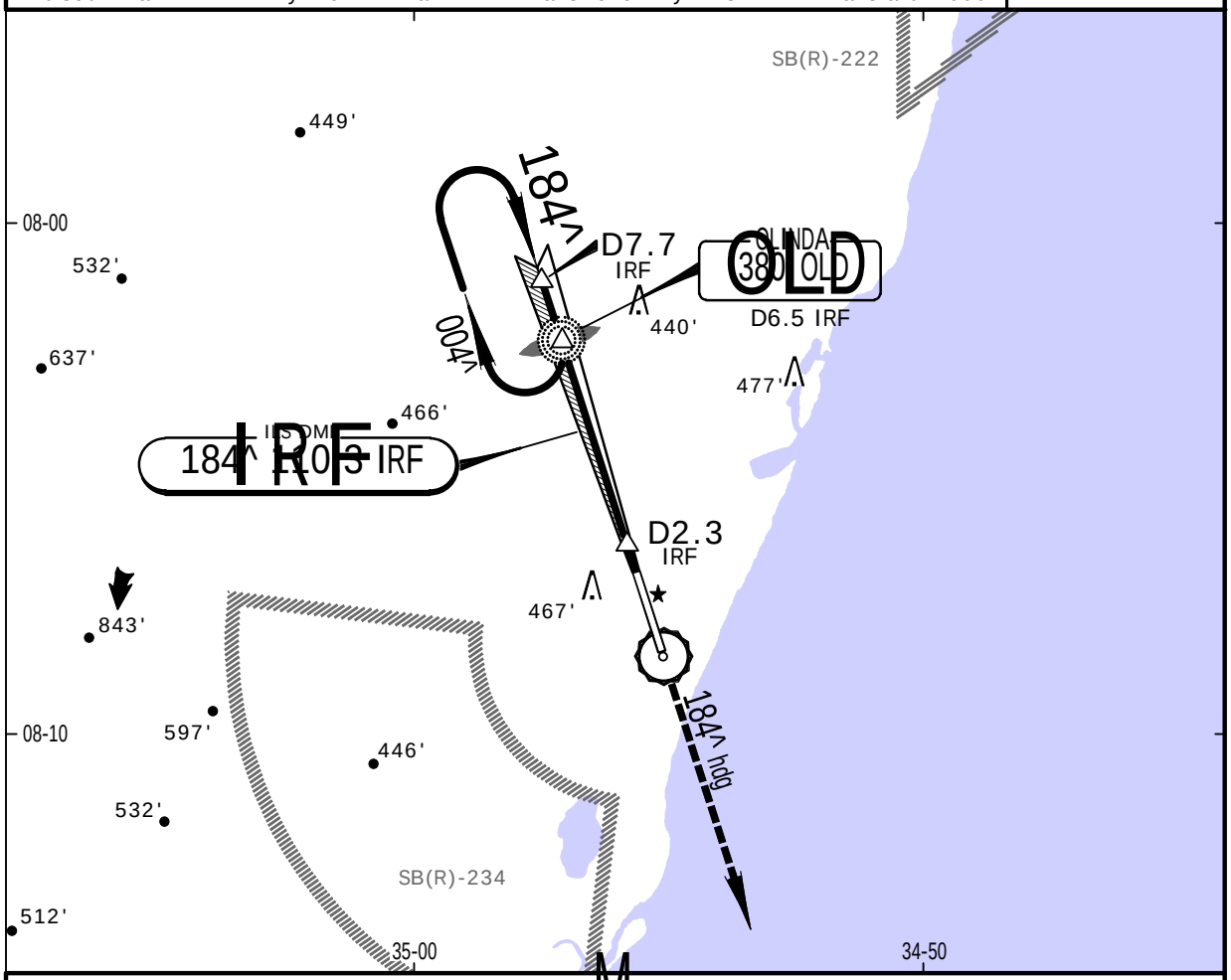
ATIS	RECIFE Control (APP)(R)	RECIFE Tower	Ground
127.65	119.5 119.95 129.6	118.35 Military 122.8	121.85

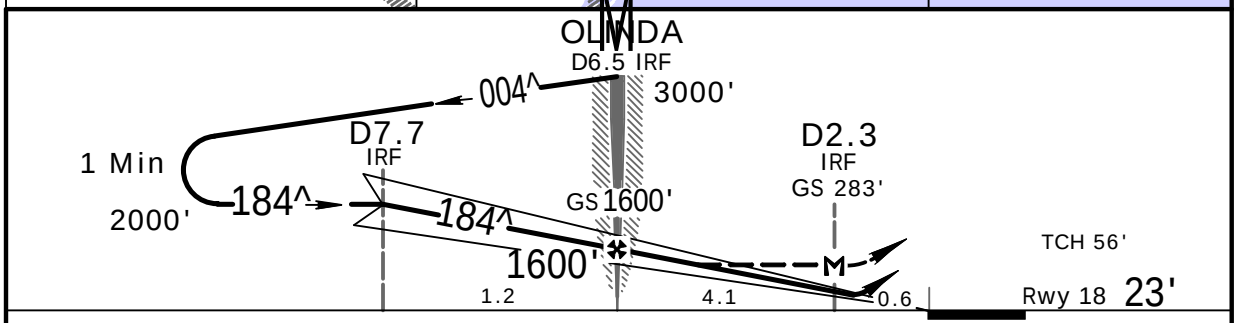
LOC IRF	Final Apch Crs	GS OLINDA	ILS DA(H)	Apt Elev 33'
110.3	184^	1600' (1577')	240' (217')	Rwy 18 23'

MISSED APCH: Climb to 3000' on 184^ heading.

Alt Set: hPa Rwy Elev: 1 hPa Trans level: By ATC Trans alt: 4000'

3000'
MSA OLD LOM





Gnd speed-Kts		90	110	130	150	170	190
GS	3.00^	478	584	690	796	902	1008
Rate of descent on final (feet/min)		500	600	700	800	900	1000
MAP at D2.3 IRF or OLINDA to MAP 4.1		2:44	2:15	1:54	1:39	1:27	1:18

PAPI 3000' on 184^ hdg

STRAIGHT-IN LANDING RWY 18 .CEILING.REQUIRED. CIRCLE-TO-LAND

	ILS DA(H) 240' (217')	LOC (GS out) MDA(H) 450' (427')	Max Kts.	MDA(H)	CEIL-VIS
	CEILING-VISIBILITY				
A	200'-1300m	500'-1700m	100	700' (667')	700'-1700m
B			135		
C		500'-2500m	180	700' (667')	700'-2900m

IS OPS

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SBRF/REC
GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

9 MAY 14 (11-3)

RECIFE, BRAZIL
ILS W Rwy 18

BRIEFING STRIP ™

ATIS	RECIFE Control (APP)(R)	RECIFE Tower	Ground
127.65	119.5 119.95 129.6	118.35 Military 122.8	121.85

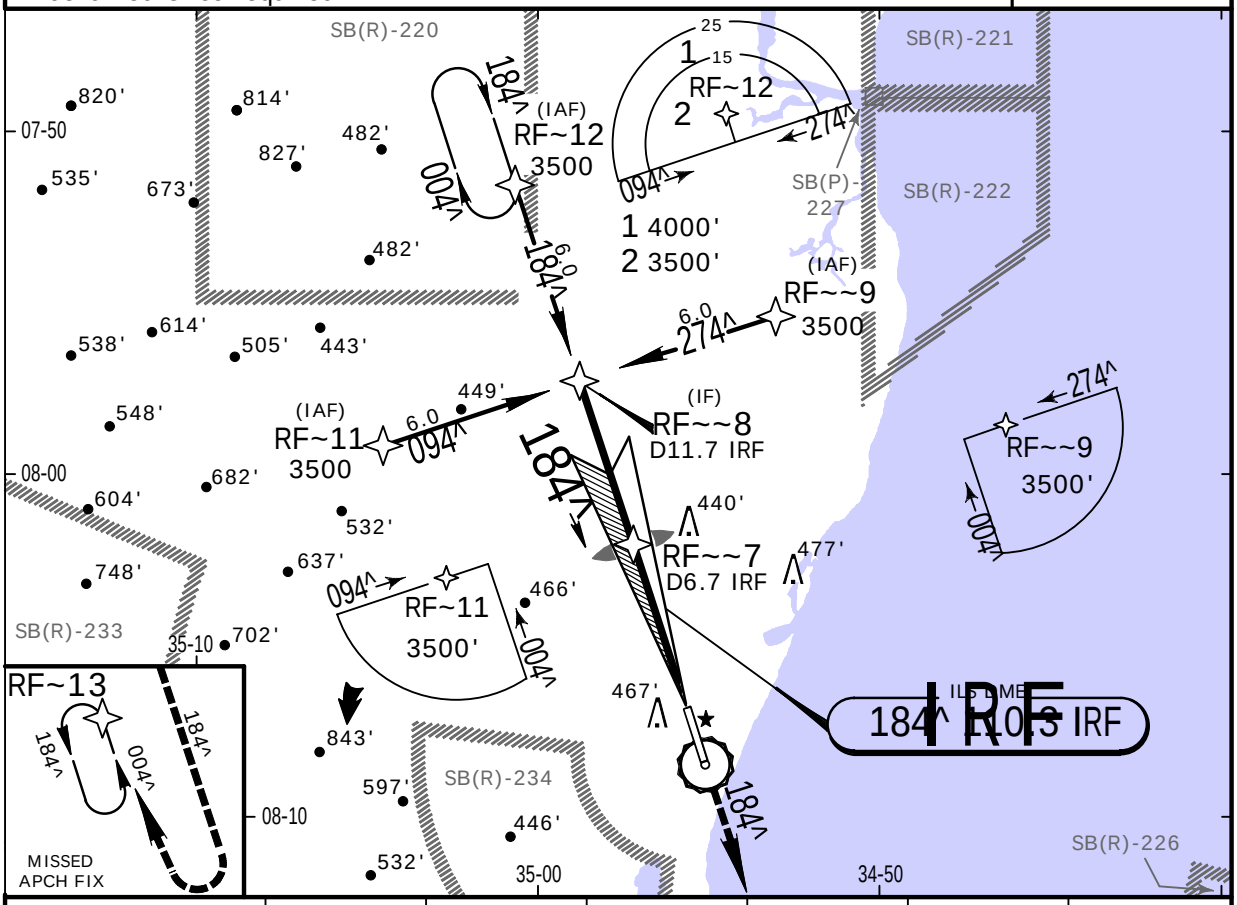
LOC IRF	Final Apch Crs	GS RF~~7	ILS DA(H)	Apt Elev 33'
110.3	184^	1670' (1647')	223' (200')	Rwy 18 23'

MISSED APCH: Climb to 4000' on track 184^. When crossing 3000' fly to waypoint RF~13 for holding.

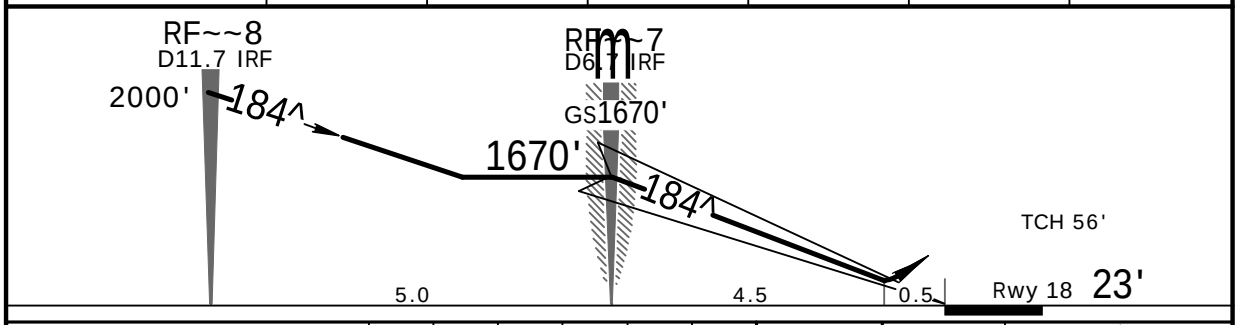
TAA
25 NM
IAF

Alt Set: hPa Rwy Elev: 1 hPa Trans level: By ATC Trans alt: 4000'

1. Certified GNSS required.



IRF DME	RF~~7	5.7	4.7	3.7	2.7	2.2
ALTITUDE	1670'	1362'	1043'	725'	406'	223'



Gnd speed-Kts		90	110	130	150	170	190
GS	3.00^	478	584	690	796	902	1008
Rate of descent on final (feet/min)		450	550	650	750	850	950
MAP at DA							

PAPI 4000' on 184^

STRAIGHT-IN LANDING RWY 18 .CEILING.REQUIRED. CIRCLE-TO-LAND

ILS
DA(H) 223' (200')

CEILING-VISIBILITY

A		A	
B		B	
C	200'-1200m	C	NA

US OPS

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GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

6 DEC 13
.Eff.12.Dec.
12-1

RECIFE, BRAZIL
RNAV (GNSS) Rwy 18

BRIEFING STRIP ™

ATIS	RECIFE Control (APP)(R)			RECIFE Tower		Ground
127.65	119.5	119.95	129.6	118.35	Military 122.8	121.85

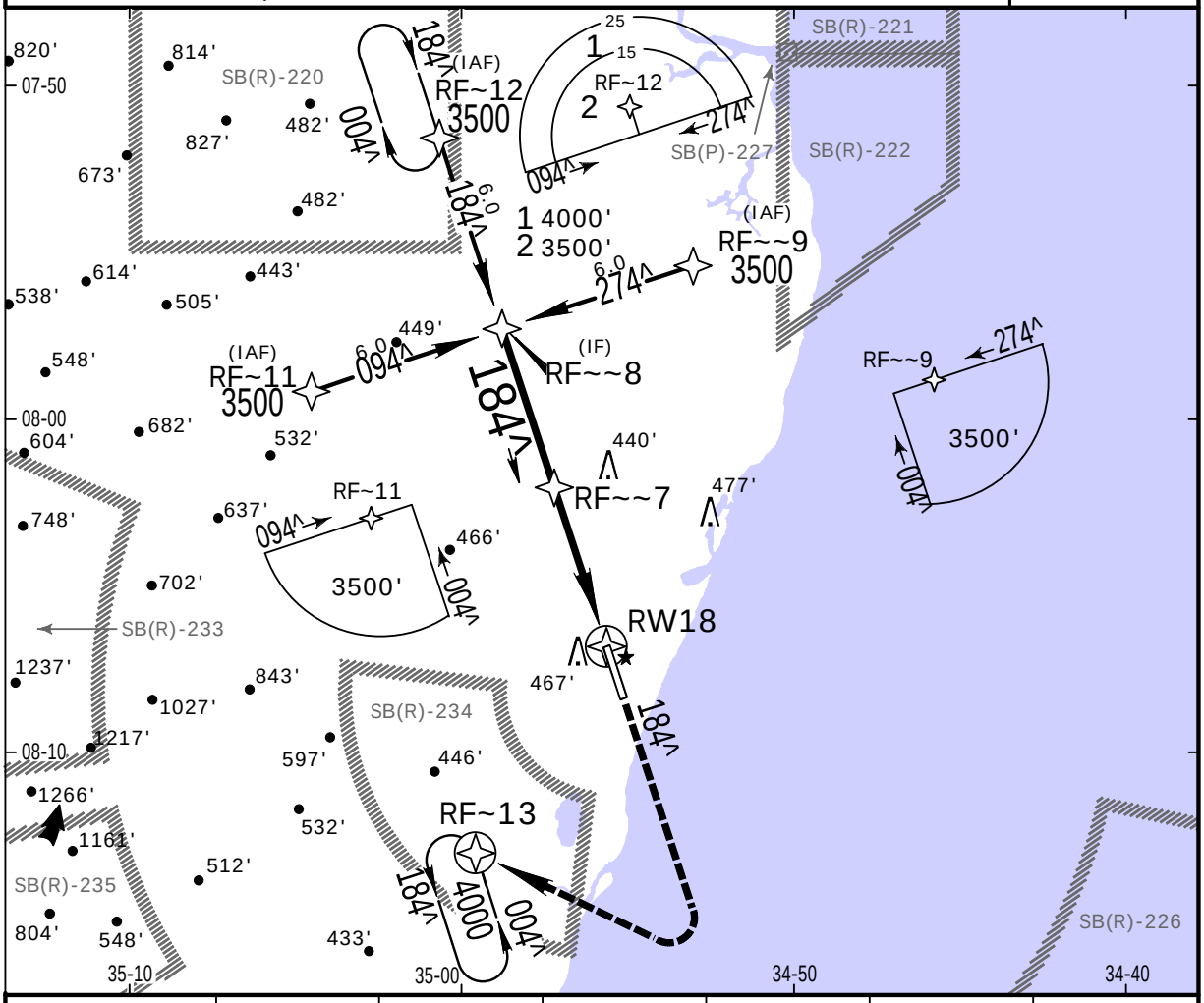
RNAV	Final Apch Crs	Procedure Alt RF~~7	LNAV/VNAV DA(H)	Apt Elev 33' Rwy 18 23'
	184^	1660' (1637')	467' (444')	

MISSED APCH: Climb to 4000' on track 184^. When crossing 3000' fly to waypoint RF~13 for holding.

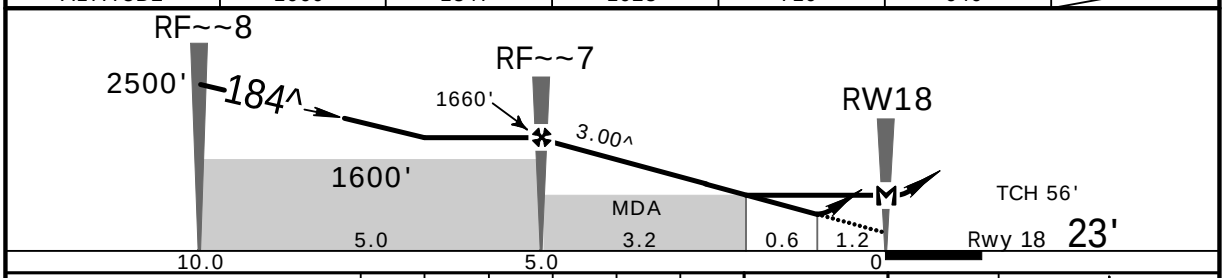
TAA 25 NM IAF

Alt Set: hPa Rwy Elev: 1 hPa Trans level: By ATC Trans alt: 4000'

1. Certified GNSS required. 2. Baro-VNAV procedure not authorized below 0^C (32^ F).



NM to NEXT WPT	RF~~7	4.0	3.0	2.0	1.8	RW18
ALTITUDE	1660'	1347'	1028'	710'	640'	



Gnd speed-Kts	90	110	130	150	170	190
Rate of descent on final (feet/min)	500	600	700	800	900	1000
MAP at RW18						

PAPI-L 4000' on 184^

STRAIGHT-IN LANDING RWY18 .CEILING.REQUIRED. CIRCLE-TO-LAND

	LNAV/VNAV DA(H) 467' (444')	LNAV MDA(H) 640' (617')	
CEILING-VISIBILITY			
A			A
B	500'-2100m	700'-2800m	B
C			C
			NA

NS OPS

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GUARARAPES-
GILBERTO FREYRE INTL

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6 DEC 13 (12-2) .Eff.12.Dec.

RECIFE, BRAZIL
RNAV (GNSS) Rwy 36

BRIEFING STRIP ™

ATIS	RECIFE Control (APP)(R)	RECIFE Tower	Ground
127.65	119.5 119.95 129.6	118.35 Military 122.8	121.85

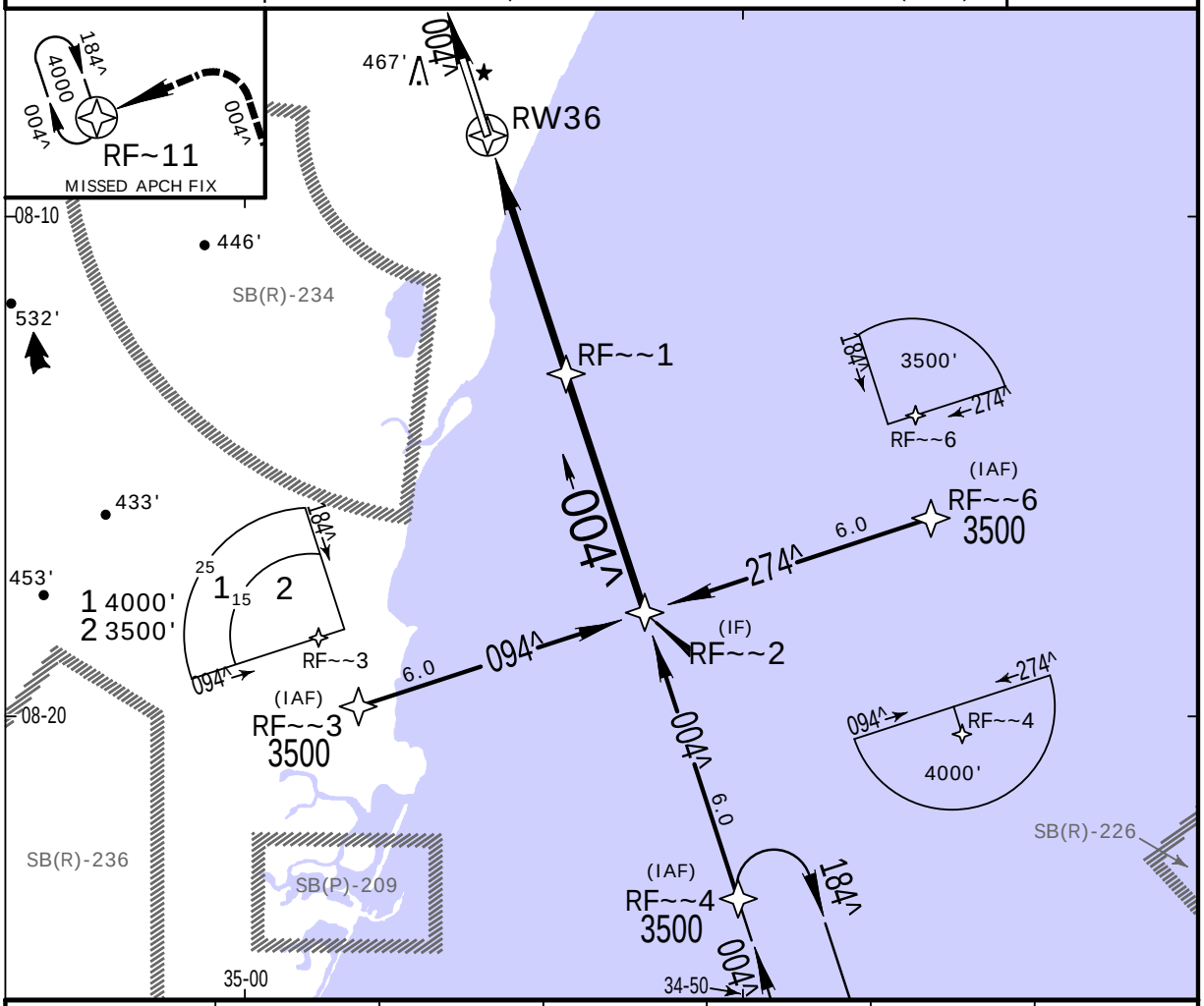
RNAV	Final Apch Crs	Procedure Alt RF~~1	LNAV/VNAV DA(H)	Apt Elev 33' Rwy 36 32'
	004^	1670' (1638')	585' (553')	

MISSED APCH: Climb to 4000' on track 004^. When crossing 3000' fly to waypoint RF~11 for holding.

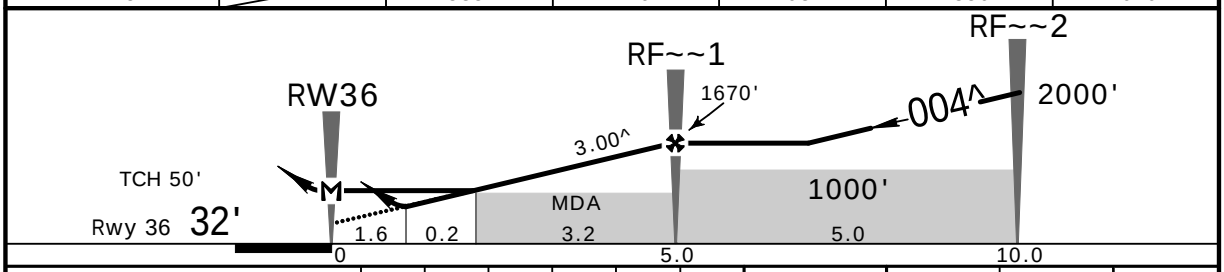
TAA 25 NM IAF

Alt Set: hPa Rwy Elev: 1 hPa Trans level: By ATC Trans alt: 4000'

1. Certified GNSS required. 2. Baro-VNAV procedure not authorized below 0^C (32^ F).



NM to NEXT WPT	RW36	1.6	2.0	3.0	4.0	RF~~1
ALTITUDE		585'	719'	1037'	1356'	1670'



Gnd speed-Kts	90	110	130	150	170	190
Rate of descent on final (feet/min)	500	600	700	800	900	1000
MAP at RW36						

PAPI-L 4000 on 004^

STRAIGHT-IN LANDING RWY 36 .CEILING.REQUIRED. CIRCLE-TO-LAND

	LNAV/VNAV DA(H) 585' (553')	LNAV MDA(H) 640' (608')		
CEILING-VISIBILITY				
A	600'-1600m	700'-1600m	A	NA
B			B	
C	600'-2500m	700'-2800m	C	

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GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

20 DEC 13 (13-1)

RECIFE, BRAZIL
VOR Rwy 18

BRIEFING STRIP™

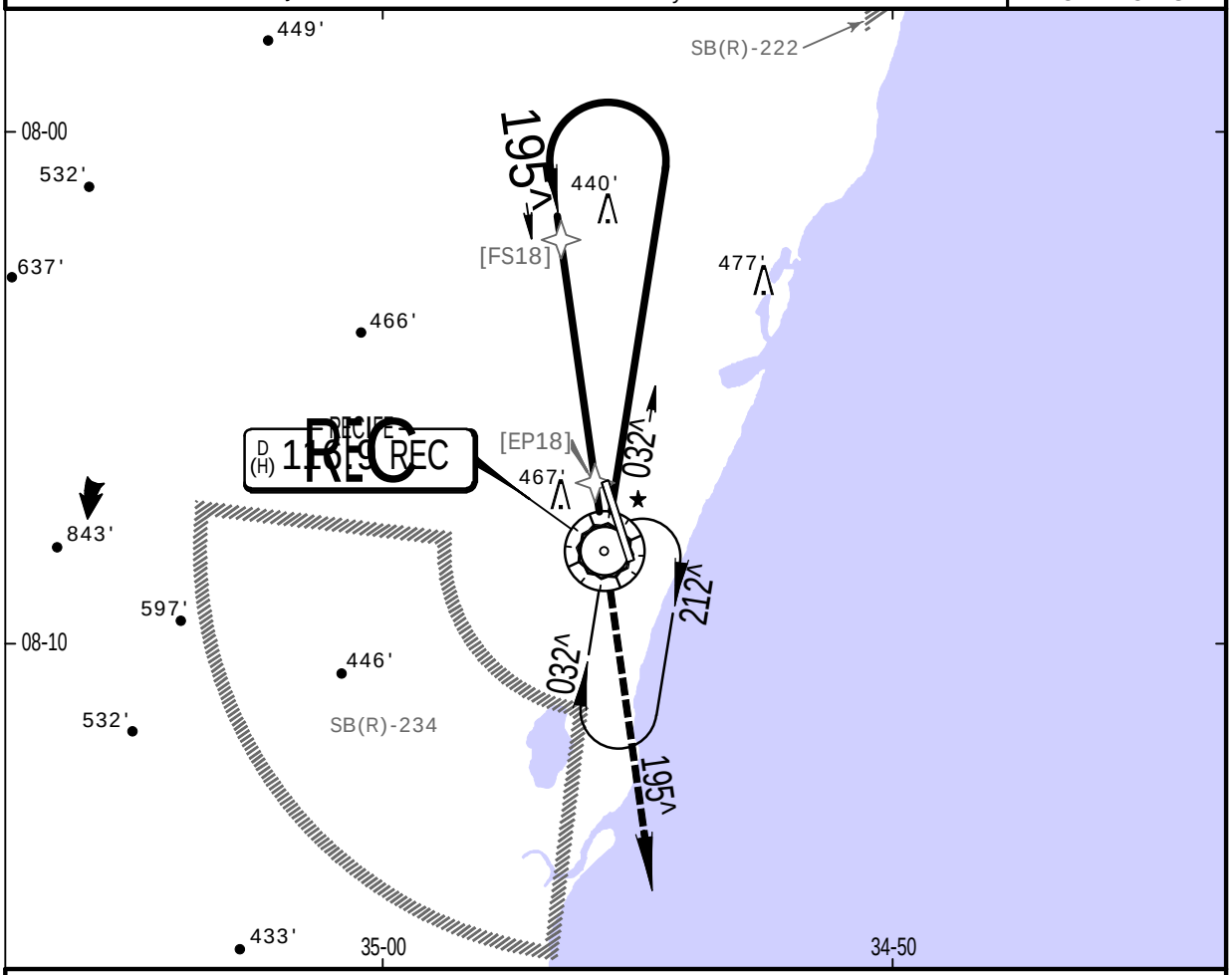
ATIS	RECIFE Control (APP)(R)			RECIFE Tower		Ground
127.65	119.5	119.95	129.6	118.35	Military 122.8	121.85

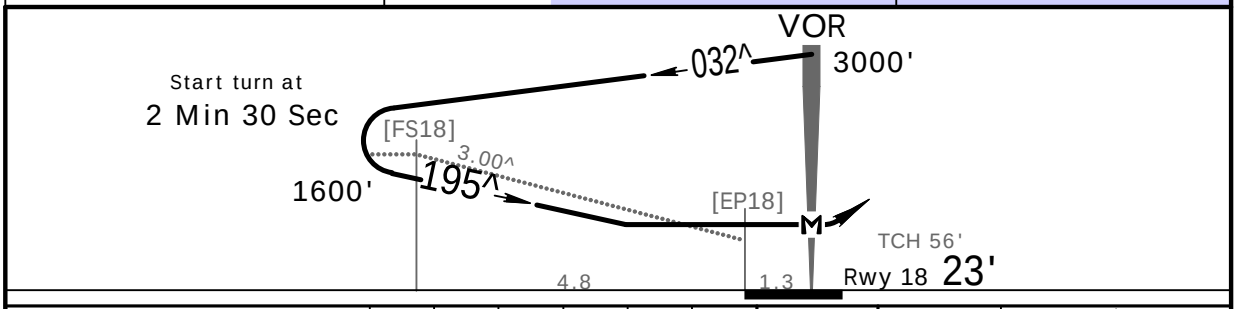
VOR REC	Final Apch Crs	No FAF	MDA(H)	Apt Elev 33'
116.9	195^		700' (677')	Rwy 18 23'

MISSED APCH: Climb to 3000' outbound on REC VOR R-195.

Alt Set: hPa | Rwy Elev: 1 hPa | Trans level: By ATC | Trans alt: 4000'

3000'
MSA REC VOR





Rate of descent on final (feet/min)	800						PAPI	3000' ↑ on REC 116.9 R-195
MAP at VOR								

STRAIGHT-IN LANDING RW18 — CEILING REQUIRED. — CIRCLE-TO-LAND

MDA(H) 700' (677')

	CEILING-VISIBILITY	Max Kts	MDA(H)	CEIL-VIS
A	700'-1700m	100	700'(667')	700'-1700m
B		135		
C	700'-2900m	180	700'(667')	700'-2900m
D	700'-3300m	205	700'(667')	700'-3300m

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20 DEC 13 (13-2)

RECIFE, BRAZIL
VOR DME Rwy 36

BRIEFING STRIP ™

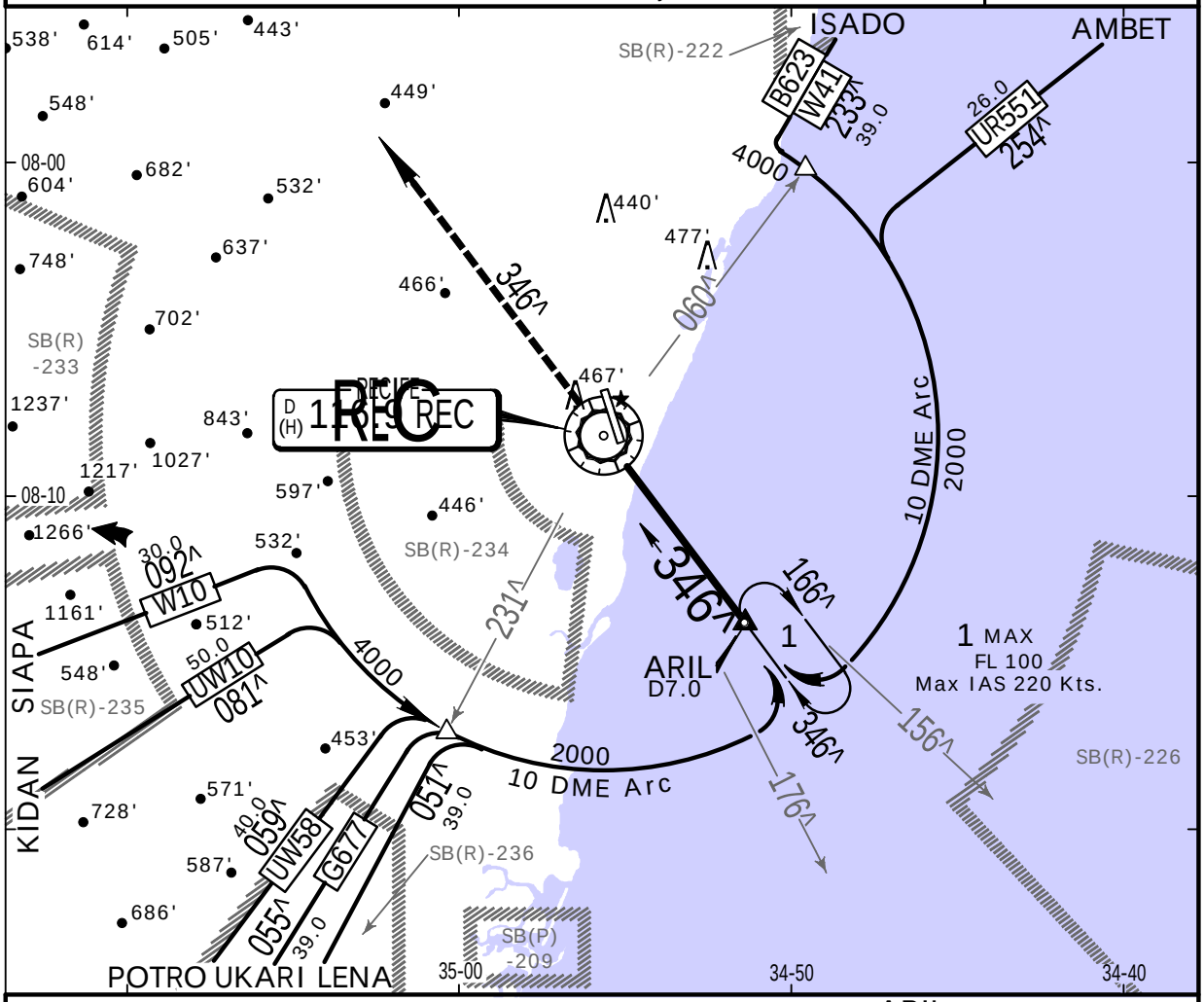
ATIS	RECIFE Control (APP)(R)			RECIFE Tower		Ground
127.65	119.5	119.95	129.6	118.35	Military 122.8	121.85

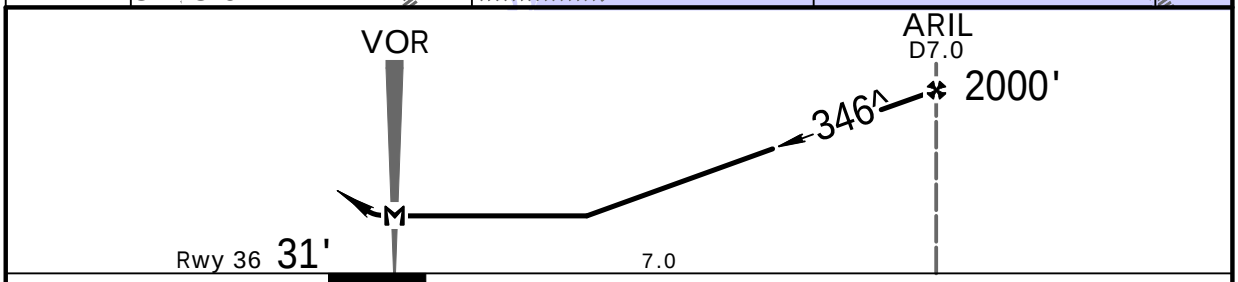
VOR REC	Final Apch Crs	Minimum Alt ARIL	MDA(H)	Apt Elev 33'
116.9	346^	2000' (1969')	700' (669')	Rwy 36 31'

MISSED APCH: Climb to 3000' outbound on REC VOR R-346.

Alt Set: hPa | Rwy Elev: 1 hPa | Trans level: By ATC | Trans alt: 4000'

3000'
MSA REC VOR





Gnd speed-Kts	90	110	130	150	170	190
Rate of descent on final (feet/min)	400	500	600	700	900	1000
MAP at VOR						

PAPI-L

3000' ↑ on REC 116.9 R-346

STRAIGHT-IN LANDING RWY 36 — CEILING REQUIRED. — CIRCLE-TO-LAND

MDA(H) 700' (669')

	CEILING-VISIBILITY	Max Kts	MDA(H)	CEIL-VIS
A	700'-1600m	100	700' (667')	700'-1600m
B		135		
C	NA	180	700' (667')	700'-2800m
D		205	700' (667')	700'-3200m

NS OPS

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JEPPESEN

9 MAY 14 (13-3)

RECIFE, BRAZIL
VOR Rwy 36

BRIEFING STRIP ™

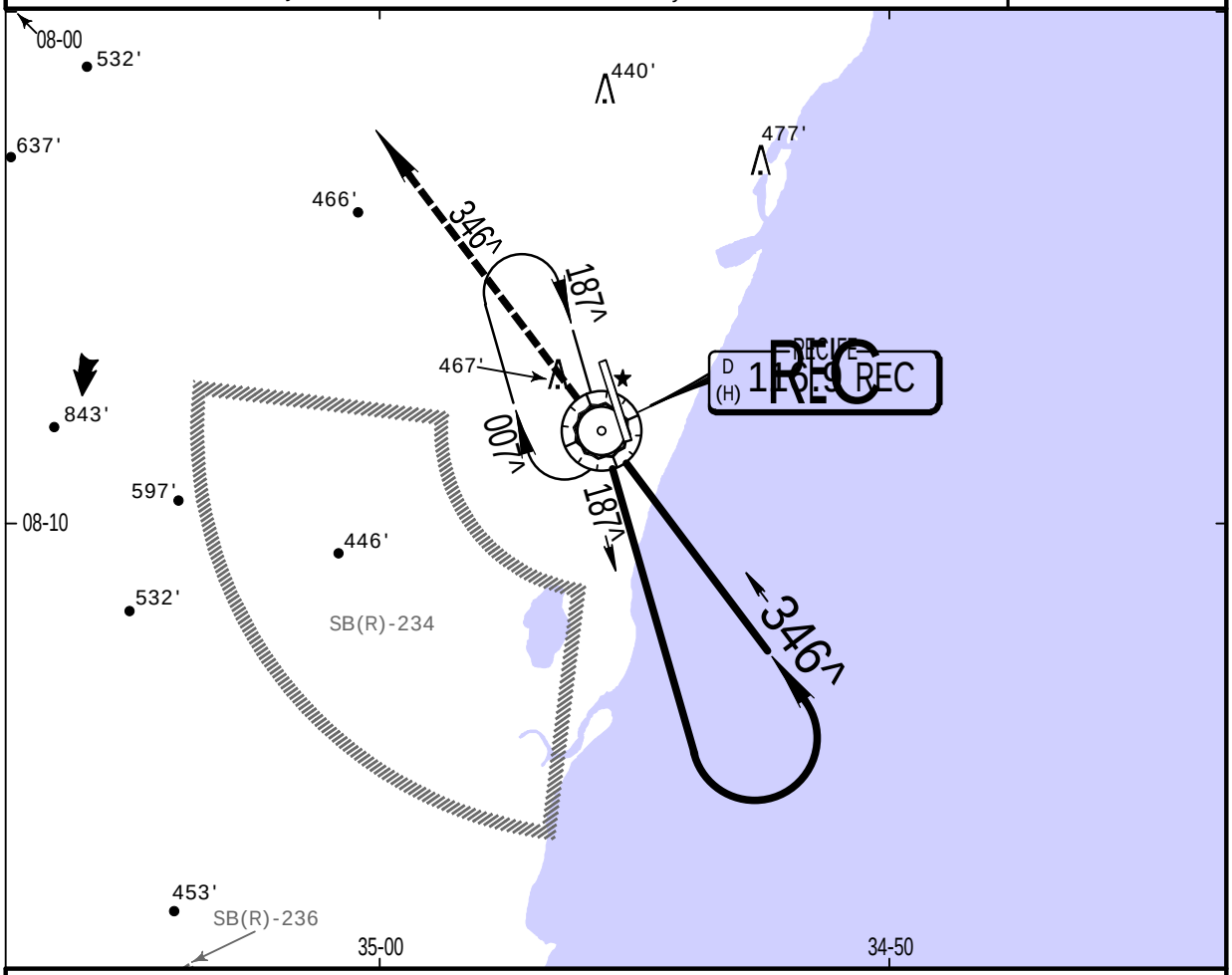
ATIS	RECIFE Control (APP)(R)			RECIFE Tower		Ground
127.65	119.5	119.95	129.6	118.35	Military 122.8	121.85

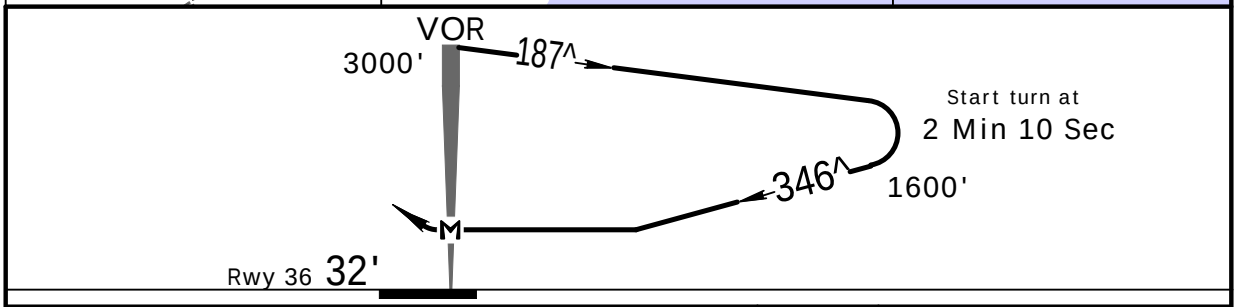
VOR REC	Final Apch Crs	No FAF	MDA(H)	Apt Elev 33'
116.9	346^		700' (668')	Rwy 36 32'

MISSED APCH: Climb to 3000' outbound on REC VOR R-346.

Alt Set: hPa | Rwy Elev: 1 hPa | Trans level: By ATC | Trans alt: 4000'

3000'
MSA REC VOR





								PAPI-L	3000' ↑ on REC 116.9 R-346
Rate of descent on final (feet/min)	700								
MAP at VOR									

STRAIGHT-IN LANDING RWY 36 .CEILING. REQUIRED. CIRCLE-TO-LAND

MDA(H) 700' (668')

	CEILING-VISIBILITY	Max Kts	MDA(H)	CEIL-VIS
A	700'-1600m	100	700' (667')	700'-1600m
B		135		
C	NA	180	700' (667')	700'-2800m
D		205	700' (667')	700'-3200m

NS OPS

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SBRF/REC
GUARARAPES-
GILBERTO FREYRE INTL

JEPPESEN

9 MAY 14 (16-1)

RECIFE, BRAZIL
NDB Rwy 18

BRIEFING STRIP ™

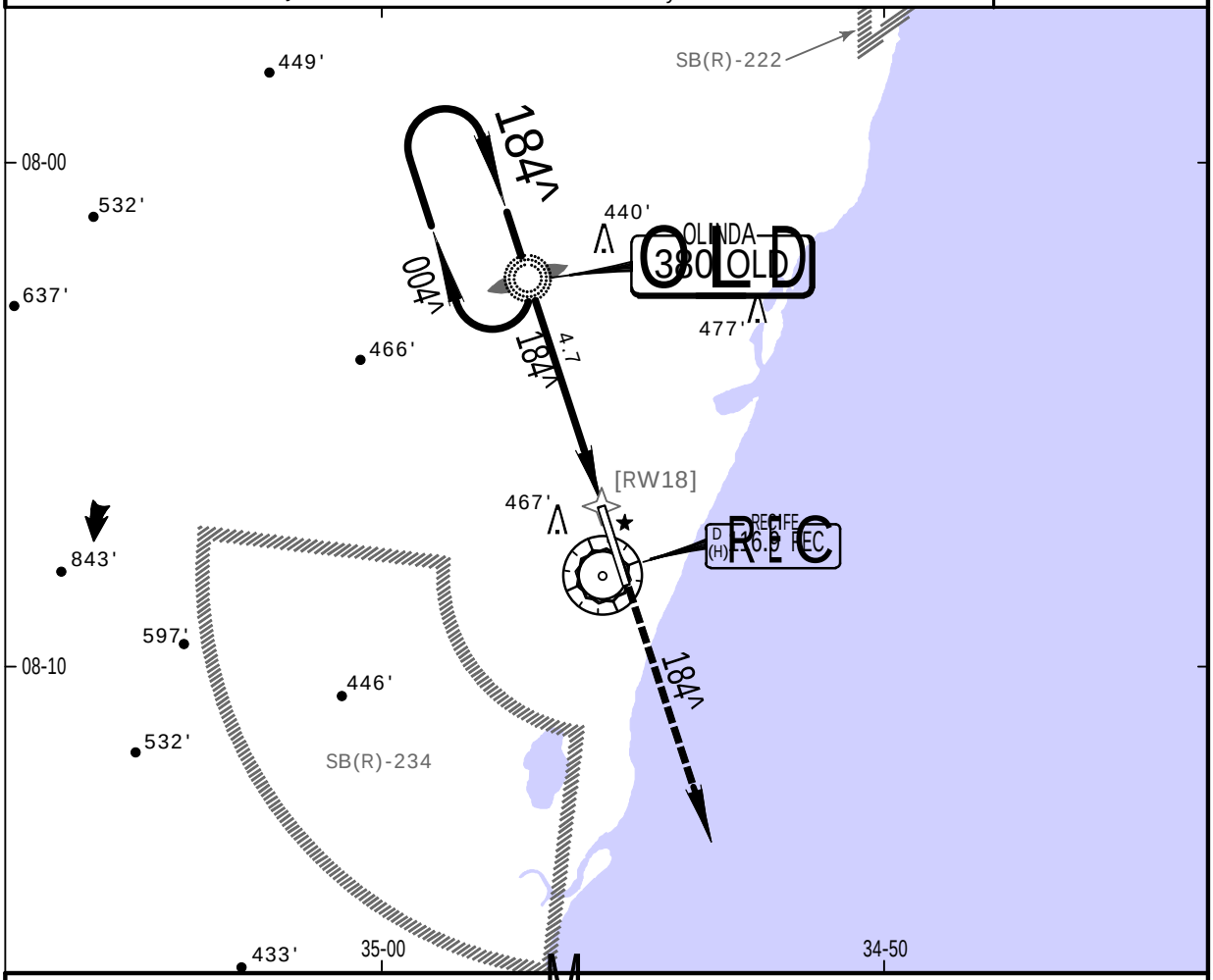
ATIS	RECIFE Control (APP)(R)	RECIFE Tower	Ground
127.65	119.5 119.95 129.6	118.35 Military 122.8	121.85

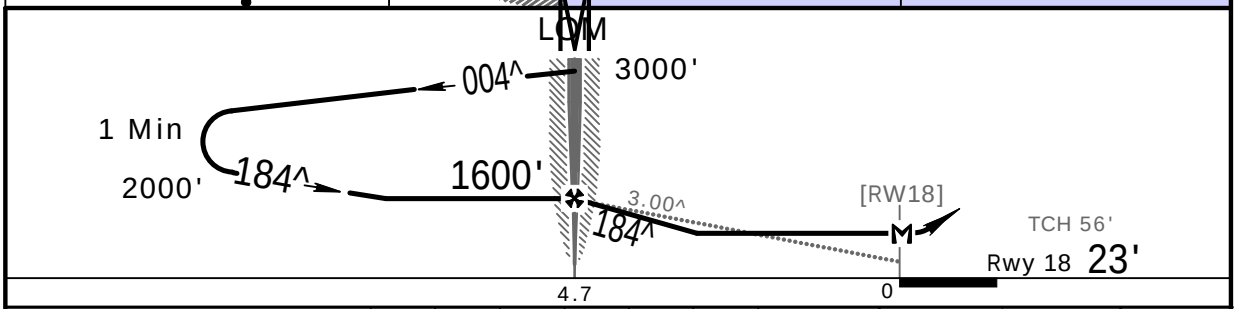
NDB OLD	Final Apch Crs	Minimum Alt LOM	MDA(H)	Apt Elev 33'
380	184^	1600' (1577')	650' (627')	Rwy 18 23'

MISSED APCH: Climb to 3000' on 184^ bearing from OLD LOM.

Alt Set: hPa | Rwy Elev: 1 hPa | Trans level: By ATC | Trans alt: 4000'

3000'
MSA OLD LOM





Gnd speed-Kts	90	110	130	150	170	190
Rate of descent on final (feet/min)	500	600	700	850	1000	1100
LOM to MAP 4.7	3:08	2:33	2:10	1:52	1:39	1:29

PAPI | 3000' on OLD 380 184^

STRAIGHT-IN LANDING RWY 18 — CEILING REQUIRED. — CIRCLE-TO-LAND

MDA(H) 650' (627')

	CEILING-VISIBILITY	Max Kts	MDA(H)	CEIL-VIS
A	700'-1700m	100	700' (667')	700'-1700m
B		135		
C	700'-2900m	180	700' (667')	700'-2900m
D	700'-3300m	205	700' (667')	700'-3300m

ANS OPS

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