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| Flight Procedures Cover Page | Task Action: FLIGHT CHECK | Task Type: IAP | Estimated Chart Date: 01/22/2026 | APWS Task ID: 12B6EB0345CF497692EF2870FB52D5EA | APWS Project ID: AF39EA5D58424621AD7C998A9B028439 |
| Procedure: RNAV (GPS) RWY 23 AMDT 1 | | Enroute: NO | Specialist: Tucker, Andre | | Agreement Number: |
| Airport ID: KLNN | | | Airport City: WILLOUGHBY | | State: OH |
| Facility ID: | Facility Type: | Flight Inspection Remark Type: New FC Slot | | | |

Procedure Comments:
CXR VOR/DME DECOM.

APPROVAL LETTER SUBMITTED FOR GPA/VDA LESS THAN VSGI AND DIFFERENCE BETWEEN GPA/VDA/VSGI GREATER THAN 0.20 DEGREES

CONTACT: RAKE MCGRAW (AJV-A422), 405.954.8711.





Federal Aviation Administration

Memorandum

Date:

To: Manager, Flight Technologies and Procedures Division
THRU: Manager, Flight Procedure Implementation & Oversight Branch

From: Manager, IFP Team, AJV-4

Subject: **ACTION:** Approval Request

RNAV (GPS) RWY 23, Lake County Exec, Willoughby, OH.

FAAO 8260.3G, VOL 1, PARA 2-6-2. Glidepath Angle (GPA) and Vertical Descent Angle (VDA). A. and B. Flight Standards approval is required to establish a VDA (of a procedure where the FAC is straight-in aligned) that is more than 0.20 degrees greater than the glidepath angle of a visual glide slope indicator (VGSI) and that is less than the angle of a VGSI installed to the same runway.

The RNAV (GPS) RWY 23 is a precision straight-in aligned approach with CAT A-C minima. The procedure GPA/VDA is 3.50. The VGSI for RWY 23 is aimed at 4.00 degrees because of obstacles at the end of the runway. No changes to the VGSI angle are expected. Due to the need to retain CAT C minima, increasing the procedure GPA/VDA to match the VGSI angle of 4.00 degrees is not feasible. The procedure will be published with the following chart note: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE} TCH {FEET}). Request approval to use a 3.50 degree GPA/VDA for the RNAV (GPS) RWY 23. Aircraft operations will be adversely affected if not approved.

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|--|------------------------|-----------------------------|---|
| WAAS CH 82410 W23A | APP CRS 233° | Rwy Idg TDZE Apt Elev | 5028 623 626 |
|--|------------------------|-----------------------------|---|

OLD

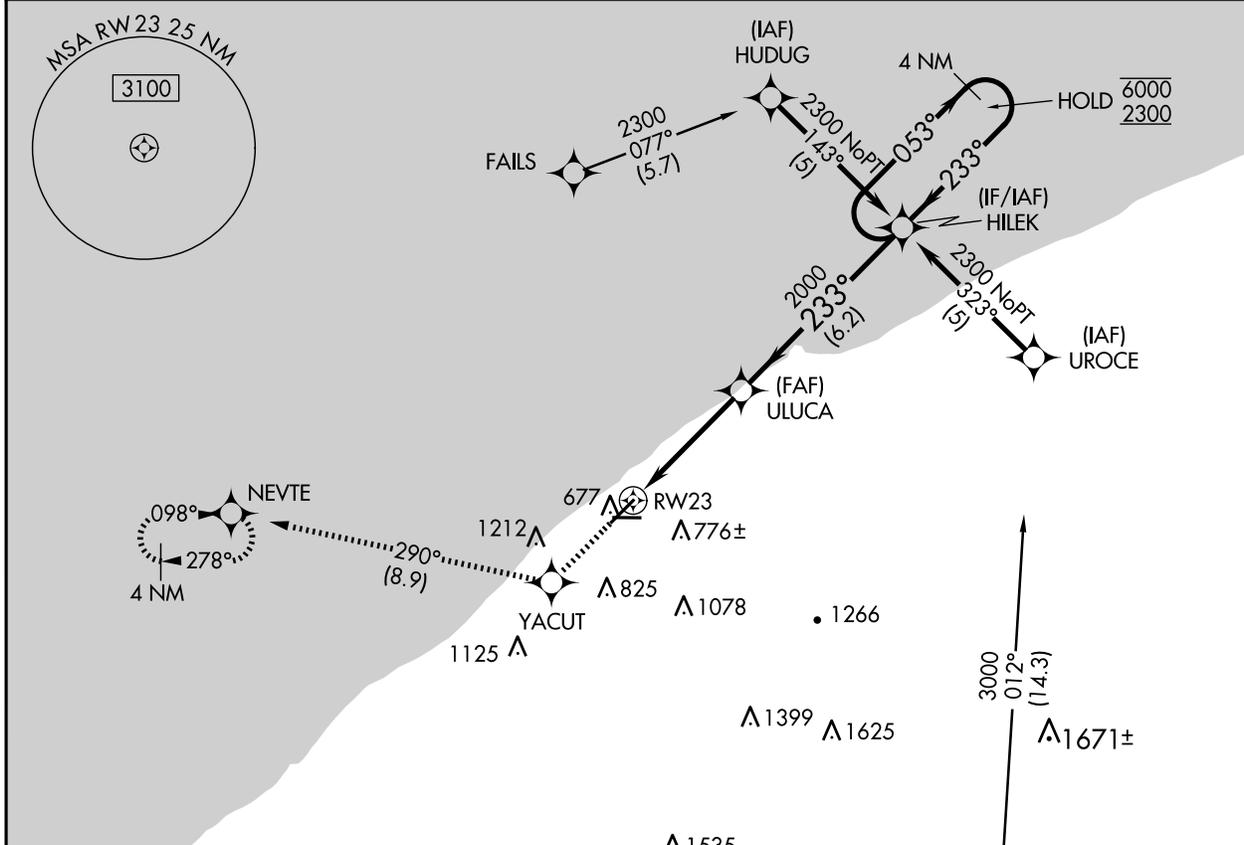
RNAV (GPS) RWY 23
LAKE COUNTY EXEC (LNN)

RNP APCH - GPS.

▼ Rwy 23 helicopter visibility reduction below 3/4 SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C.

MISSED APPROACH: Climb to 2300 direct YACUT and on track 290° to NEVTE and hold.

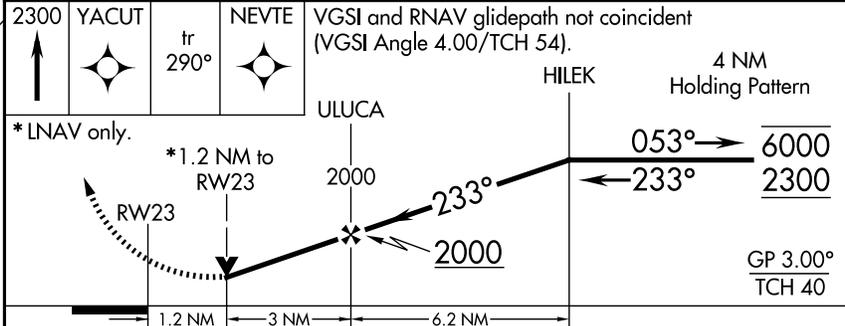
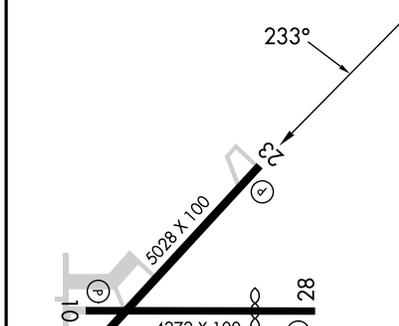
| | | |
|----------------------------|--|-----------------------------------|
| AWOS-3PT 119.225 | CLEVELAND APP CON 125.35 346.325 | UNICOM 122.725 (CTAF) 0 |
|----------------------------|--|-----------------------------------|



EC-2, 10 JUL 2025 to 07 AUG 2025

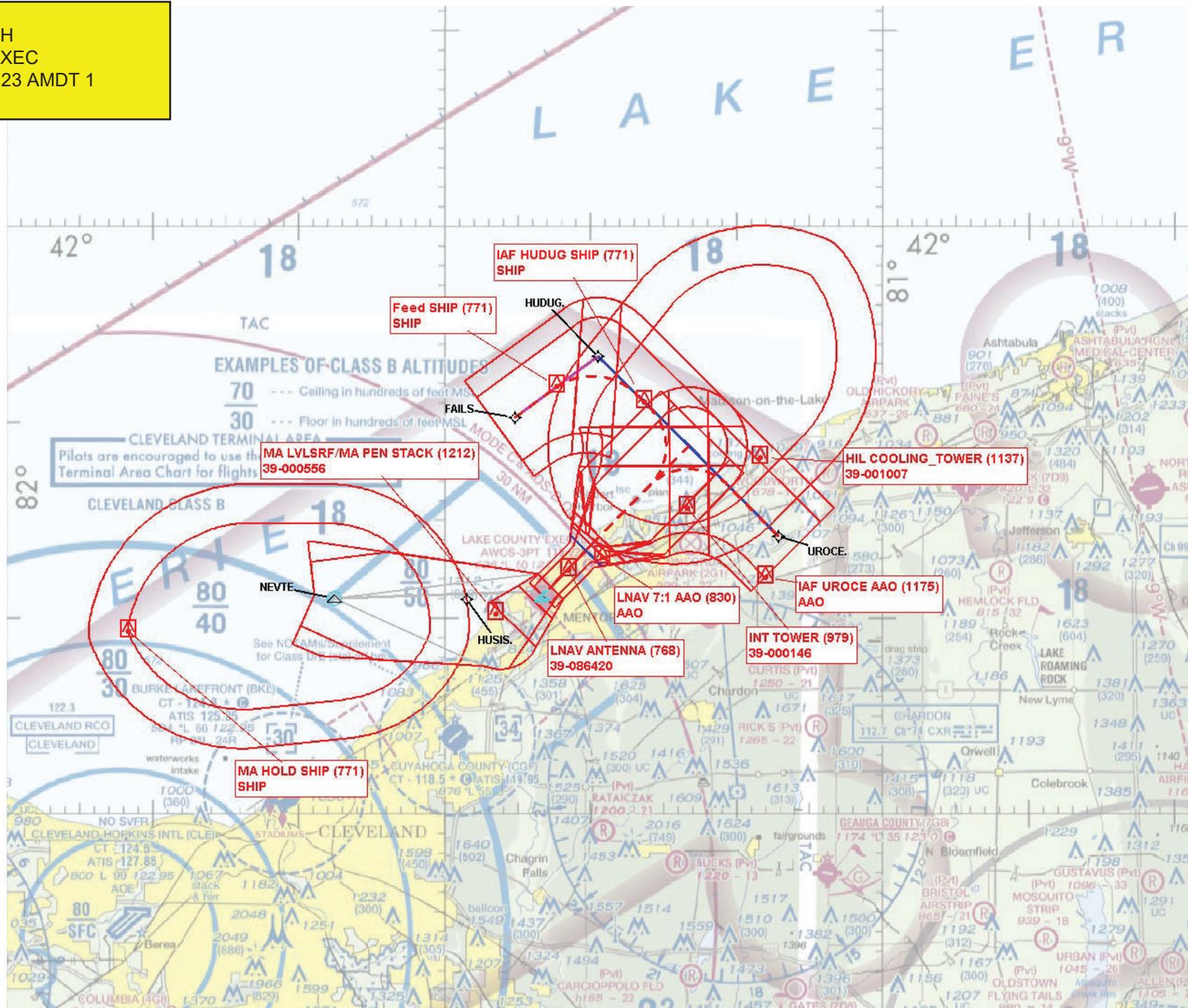
EC-2, 10 JUL 2025 to 07 AUG 2025

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| ELEV 626 | TDZE 623 |
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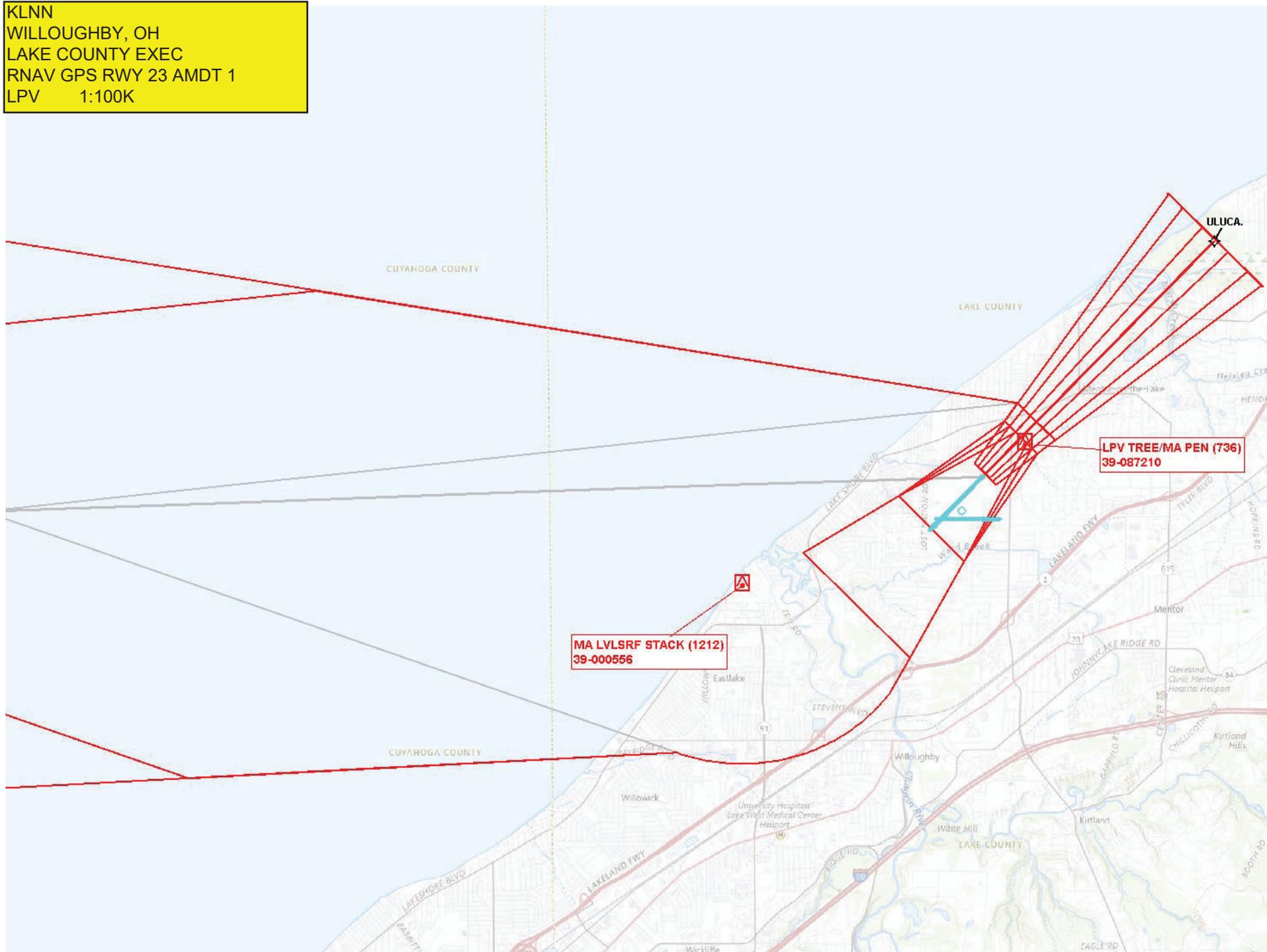


| CATEGORY | A | B | C | D |
|--------------|---------|--------------|-------------------------|----|
| LPV DA | 1031-1½ | 408 (500-1½) | | NA |
| LNAV/VNAV DA | 1142-1¾ | 519 (600-1¾) | | NA |
| LNAV MDA | 1200-1 | 577 (600-1) | 1200-1⅝ 577 (600-1⅝) | NA |
| CIRCLING | 1200-1 | 574 (600-1) | 1520-2¾ 894 (900-2¾) | NA |

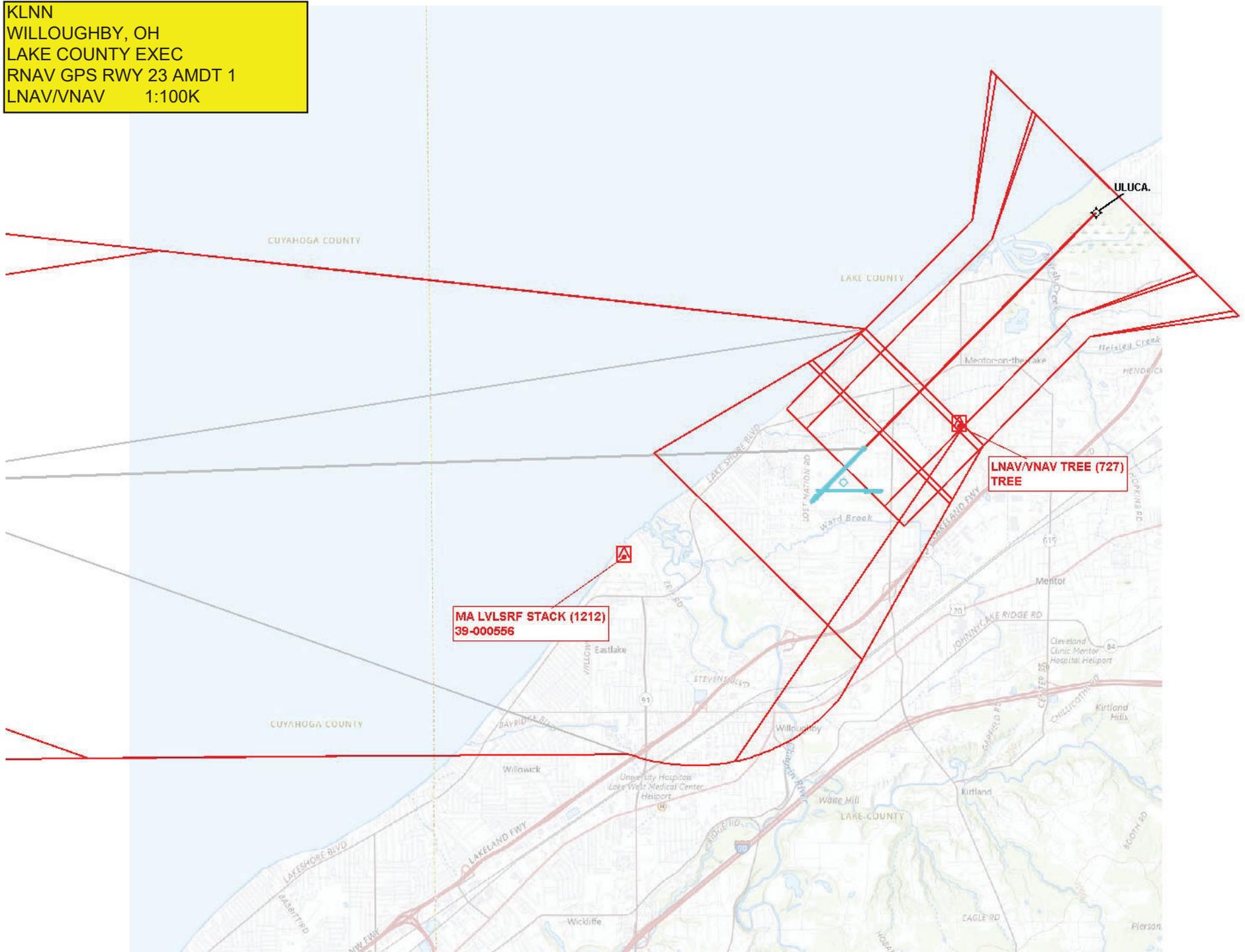
KLNN
WILLOUGHBY, OH
LAKE COUNTY EXEC
RNAV GPS RWY 23 AMDT 1
1:500K



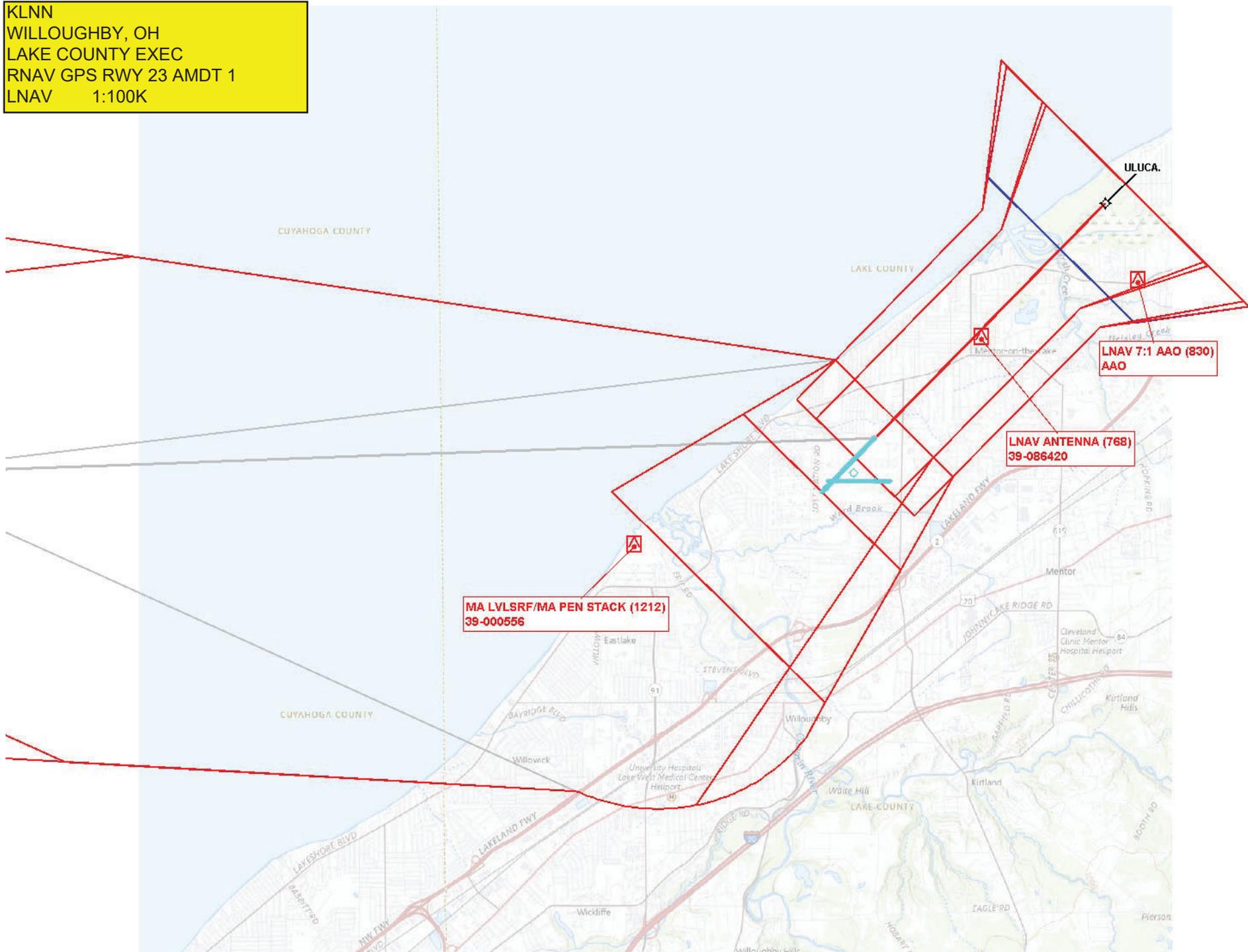
KLNN
WILLOUGHBY, OH
LAKE COUNTY EXEC
RNAV GPS RWY 23 AMDT 1
LPV 1:100K



KLNN
WILLOUGHBY, OH
LAKE COUNTY EXEC
RNAV GPS RWY 23 AMDT 1
LNAV/VNAV 1:100K



KLNN
WILLOUGHBY, OH
LAKE COUNTY EXEC
RNAV GPS RWY 23 AMDT 1
LNAV 1:100K



KLNN
WILLOUGHBY, OH
LAKE COUNTY EXEC
RNAV GPS RWY 23 AMDT 1
CIRCLING 1:100K

