

|                                                                                                                                                                                                                                                                    |                              |                                               |                                     |                                                   |                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------|-------------------------------------|---------------------------------------------------|------------------------------------------------------|
| Flight Procedures Cover Page                                                                                                                                                                                                                                       | Task Action:<br>FLIGHT CHECK | Task Type:<br>Textual DP                      | Estimated Chart Date:<br>10/02/2025 | APWS Task ID:<br>4CDFF857B466479F8EFF6BDE410BEDC4 | APWS Project ID:<br>E3615438DB0640618E8649FEAD984CB4 |
| Procedure:<br>TAKEOFF MINIMUMS AND OBSTACLE DP AMDT 6                                                                                                                                                                                                              |                              | Enroute:<br>NO                                | Specialist:<br>Prassada, Parnell    |                                                   | Agreement Number:                                    |
| Airport ID:<br>3CU                                                                                                                                                                                                                                                 |                              |                                               | Airport City:<br>CABLE              |                                                   | State:<br>WI                                         |
| Facility ID:                                                                                                                                                                                                                                                       | Facility Type:               | Flight Inspection Remark Type:<br>New FC Slot |                                     |                                                   |                                                      |
| <div>Procedure Comments:</div> <div>ACTIVE DATA USED.</div> <div>THIS CANCELS T-NOTAM 3/2470</div> <div>APPROVAL LETTER FOR CLIMB GRADIENT EXCEEDING 500 FT PER NM.</div> <div>CONTACT: ROBERT HAMILTON (405) 954-4608</div> <div>QUALITY<br/>23<br/>CHECKED</div> |                              |                                               |                                     |                                                   |                                                      |





# Federal Aviation Administration

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## Memorandum

Date: 02/18/2025

To: Wade Terrell, Manager, Flight Technologies and Procedures Division THRU:  
Wayne Radicke, Manager, Flight Procedures and Airspace Group

From: Julie Morgan, Manager, Team 1, AJV-A41

Subject: Approval Request: CABLE UNION (K3CU), TAKEOFF MINIMUMS AND  
OBSTACLE DP EXCESSIVE CLIMB GRADIENT

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IAW 8260.46J, Paragraph 2-1-1 (D) (2), calculated Climb Gradient (CG) exceeds the maximum authorized CG of 500 ft/nm for RWY 17 at the airport.

Based on TARGETS evaluation, departure from RWY 17 will require 676 ft/nm CG to 1700 ft above the airport; the required Climb-Gradient Termination Altitude (CGTA) is 1,700 ft MSL.

The obstacle that requires 676 ft/nm CG is the 1,803 ft vegetation, which is located approximately 0.4 nm south by west of the departure end of RWY 17.

The obstacle has MITRE 3Dep 3 arcsec accuracy code of 4B.

Constructing an alternative departure route is impossible because the airport is surrounded by vegetation and a ski resort.

Request approval to publish the CG from 676 ft/nm to 1700 ft to avoid obstacles, which is the main reason for this excessive climb gradient.



24361

# TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



## BOYCEVILLE, WI (CON'T)

### BOYCEVILLE MUNI (3T3) (CON'T)

**Rwy 26 (CON'T)**, trees beginning 1.8 NM from DER, 3389' left of centerline, up to 100' AGL/1249' MSL.  
Trees beginning 2 NM from DER, 3521' left of centerline, up to 100' AGL/1278' MSL.  
Trees beginning 2 NM from DER, 3823' left of centerline, up to 100' AGL/1285' MSL.

## BURLINGTON, WI

### BURLINGTON MUNI (BUU)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 19SEP13 (13262) (FAA)

##### TAKEOFF MINIMUMS:

**Rwys 1,19**, NA-Environmental.

**Rwy 29**, 300-1 or std. w/min. climb of 325' per NM to 1000.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 11**, numerous trees beginning 137' from DER, 41' right of centerline, up to 125' AGL/901' MSL.

Building 1438' from DER, 415' right of centerline, 50' AGL/825' MSL.

Vehicle on road, antenna, and buildings beginning 43' from DER, 3' left of centerline, up to 37' AGL/812' MSL.

Numerous trees beginning 227' from DER, 46' left of centerline, up to 72' AGL/847' MSL.

**Rwy 29**, numerous trees beginning 11' from DER, 77' left of centerline, up to 161' AGL/938' MSL.

Buildings beginning 3568' from DER, 1138' left of centerline, up to 122' AGL/899' MSL.

Numerous trees beginning 177' from DER, 144' right of centerline, up to 37' AGL/812' MSL.

## CABLE, WI

### CABLE UNION (3CU)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5A 10DEC15 (15344) (FAA)

##### TAKEOFF MINIMUMS:

**Rwys 8, 26**, NA - environmental.

**Rwy 17**, 400-2¼ or std. w/min. climb of 655' per NM to 1900.

**Rwy 35**, 300-1½ or std. w/min. climb of 316' per NM to 1600.

##### DEPARTURE PROCEDURE:

**Rwy 17**, climb heading 167° to 1900 before turning right.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 17**, trees beginning 15' from DER, 228' left of centerline, up to 91' AGL/1421' MSL.

Trees beginning 572' from DER, 21' left of centerline, up to 26' AGL/1574' MSL.

Vehicle on road, 636' from DER, on centerline, 15' AGL/1388' MSL.

Trees, fence, road and terrain beginning 18' from DER, 169' right of centerline, up to 100' AGL/1500' MSL.

Trees, terrain and buildings beginning 981' from DER, 9' right of centerline, up to 100' AGL/1720' MSL.

**Rwy 35**, trees beginning 40' from DER, 157' left of centerline, up to 91' AGL/1427' MSL.

Trees beginning 171' from DER, 48' left of centerline, up to 26' AGL/1368' MSL.

Trees beginning 1938' from DER, 14' left of centerline, up to 100' AGL/1502' MSL.

Trees beginning 13' from DER, 216' right of centerline, up to 64' AGL/1403' MSL.

Trees, pole and buildings beginning 610' from DER, 6' right of centerline, up to 100' AGL/1531' MSL.

## CAHOKIA/ST LOUIS, IL

### ST LOUIS DOWNTOWN (CPS)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 23SEP10 (10266) (FAA)

##### TAKEOFF MINIMUMS:

**Rwy 5**, 200-1 ¼ or std. with a min. climb of 343' per NM to 700.

**Rwy 30L**, 400-2½ or std. with a min. climb of 220' per NM to 900, alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 2100' prior to DER.

##### DEPARTURE PROCEDURE:

**Rwy 5**, climb on heading 047° to 900 before turning left.

**Rwys 12L,12R**, climb on heading 122° to 1000 before turning left.

**Rwy 23**, climb on heading 227° to 2000 before turning.

**Rwys 30L, 30R**, climb on heading 302° to 1600 before turning.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 5**, obstruction light on transmission tower 1649' from DER, 19' left of centerline, 79' AGL/482' MSL.

Transmission tower 324' from DER, 79' right of centerline, 78' AGL/487' MSL.

**Rwy 12L**, tree 1629' from DER, 144' left of centerline, 45' AGL/453' MSL.

**Rwy 12R**, tree 3822' from DER, 20' left of centerline, 94' AGL/509' MSL.

Tree 2082' from DER, 927' right of centerline, 69' AGL/486' MSL.

**Rwy 23**, multiple trees beginning 815' from DER, 69' left of centerline, up to 56' AGL/470' MSL.

Multiple trees beginning 740' from DER, 4' right of centerline, up to 78' AGL/492' MSL.

**Rwy 30L**, multiple trees beginning 2510' from DER, 503' left of centerline, up to 107' AGL/521' MSL.

Multiple trees beginning 737' from DER, 32' right of centerline, up to 99' AGL/508' MSL.

CURRENT

23 JAN 2025 to 20 FEB 2025

CURRENT

23 JAN 2025 to 20 FEB 2025

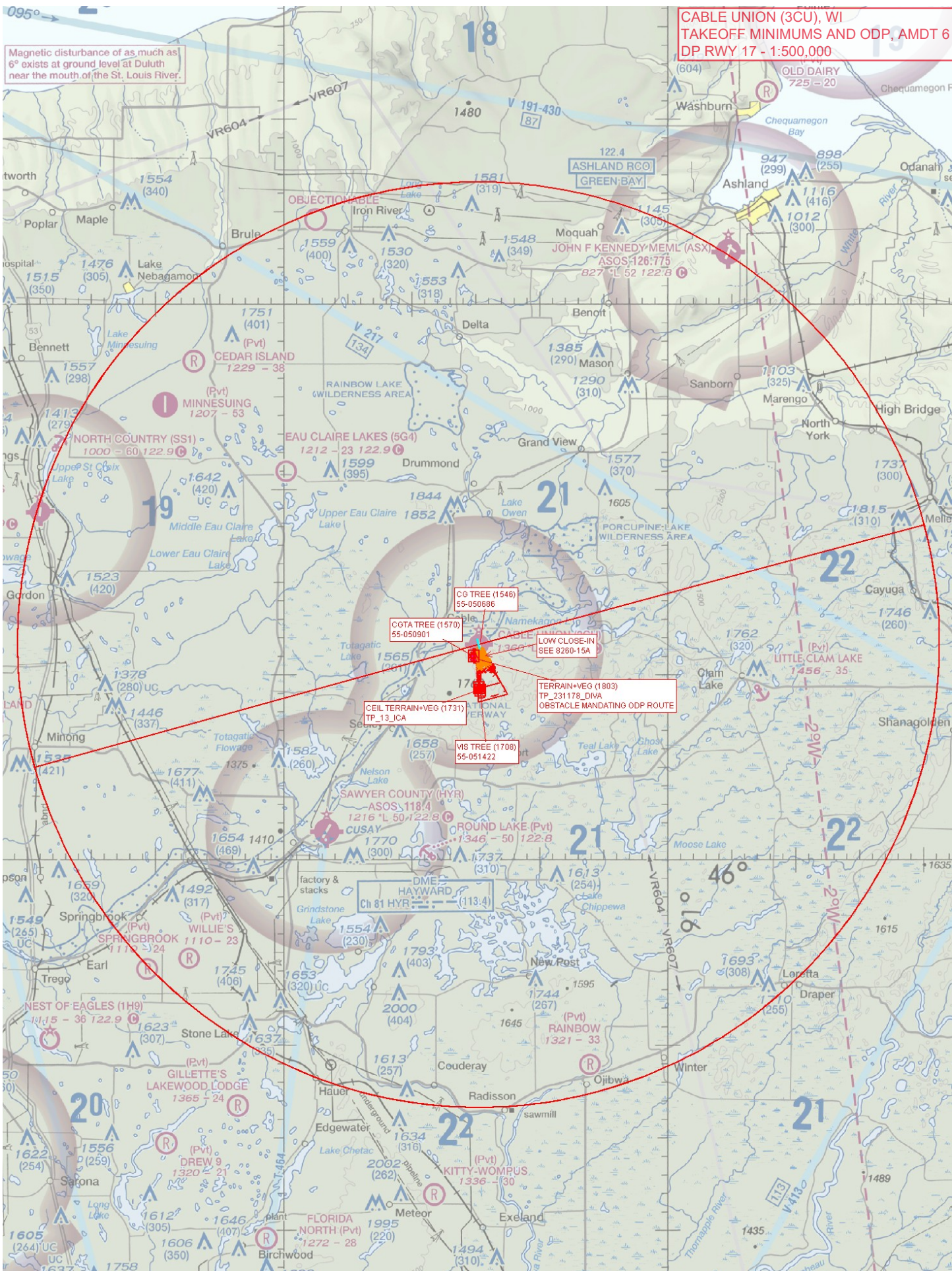


24361

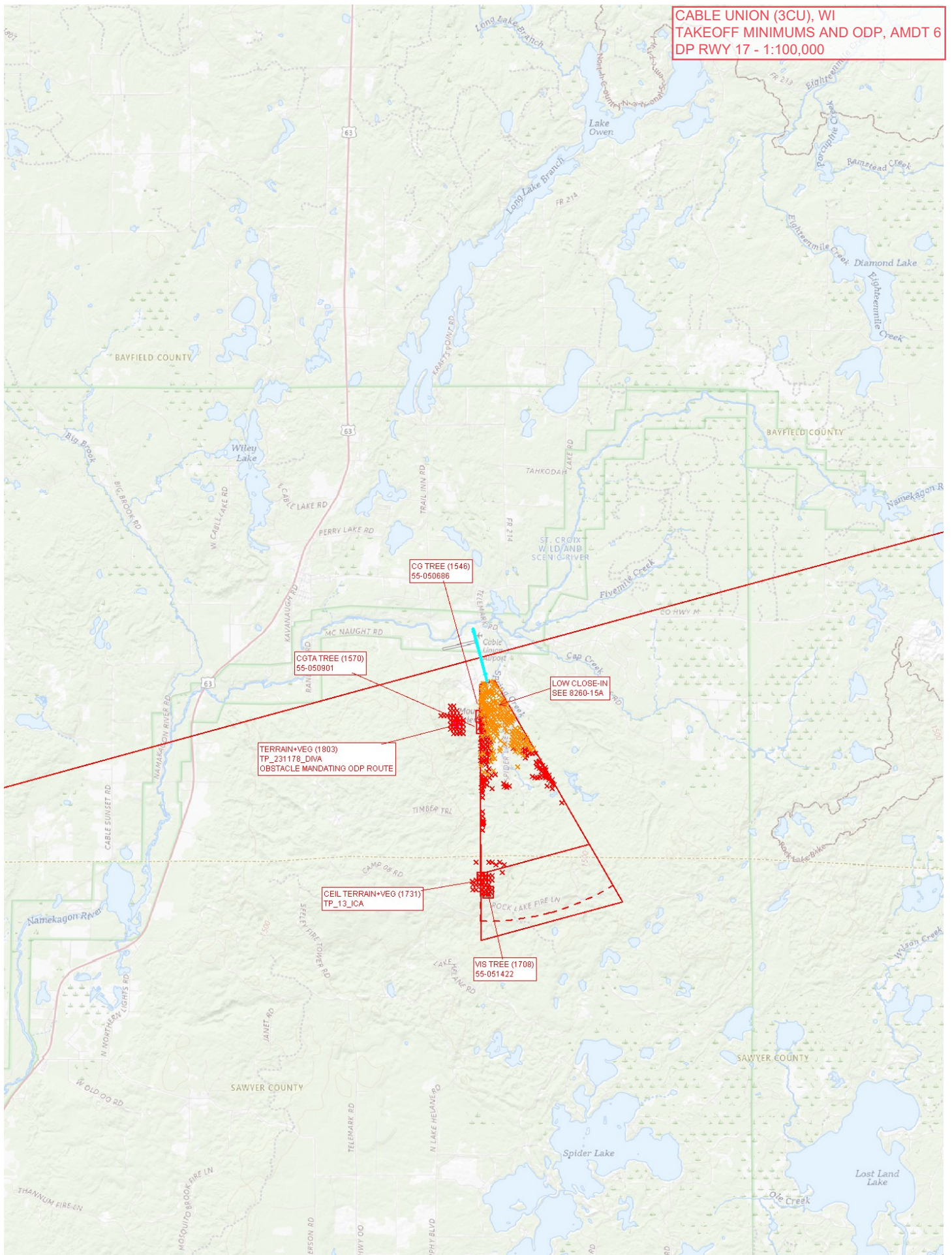
# TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



EC-3

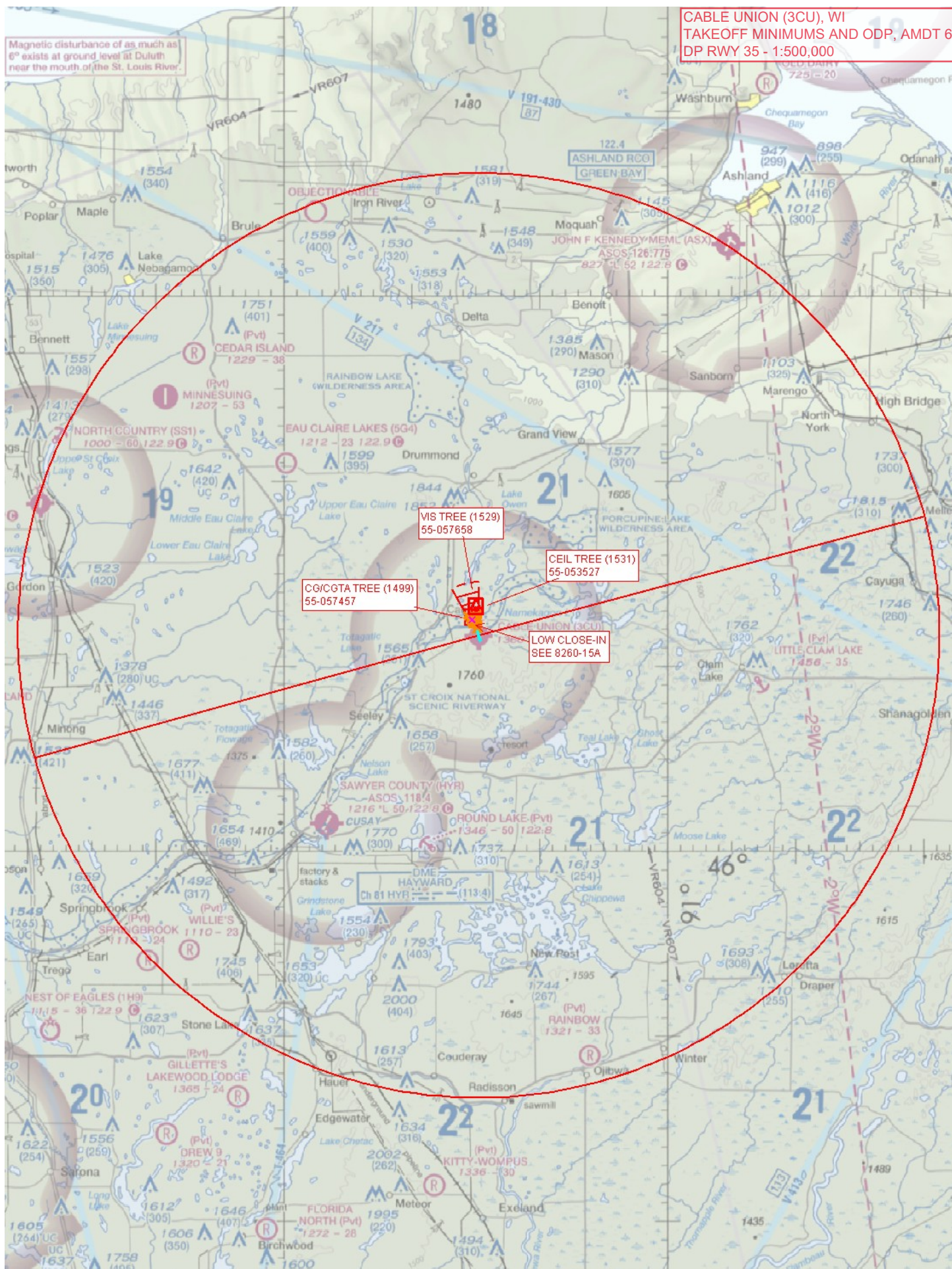


CABLE UNION (3CU), WI  
TAKEOFF MINIMUMS AND ODP, AMDT 6  
DP RWY 17 - 1:100,000



Magnetic disturbance of as much as 6° exists at ground level at Duluth near the mouth of the St. Louis River.

CABLE UNION (3CU), WI  
TAKEOFF MINIMUMS AND ODP, AMDT 6  
DP RWY 35 - 1:500,000



CABLE UNION (3CU), WI  
TAKEOFF MINIMUMS AND ODP, AMDT 6  
DP RWY 35 - 1:100,000

