

ALP UPDATE APPROVAL ACCEPTANCE

Cloquet – Carlton County Airport (COQ) | Cloquet, Minnesota

BACKGROUND

COQ's existing ALP was approved by FAA in August, 2012. An update to the Cloquet – Carlton County Airport (COQ) Airport Layout Plan (ALP) was completed in April 2023.

AIRPORT LAYOUT PLAN

The ALP Sheet Update consists of revisions to **Sheet 5, Terminal Area Drawing**. The Sheet are dated August, 2012, with Revisions noted on April 2023 Update as noted below.

The major changes in this 2023 ALP Update from the previous version includes:

Sheet 5, Terminal Area Drawing

- Updated Entrance Road Geometry.
- Replaced North Box Hangar Development with Two 9-Unit T-Hangars
- Updated Building Data Table

SIGNATURE BLOCKS

The FAA signature below acknowledges and memorializes the approval of the 2023 COQ ALP Sheet Update.

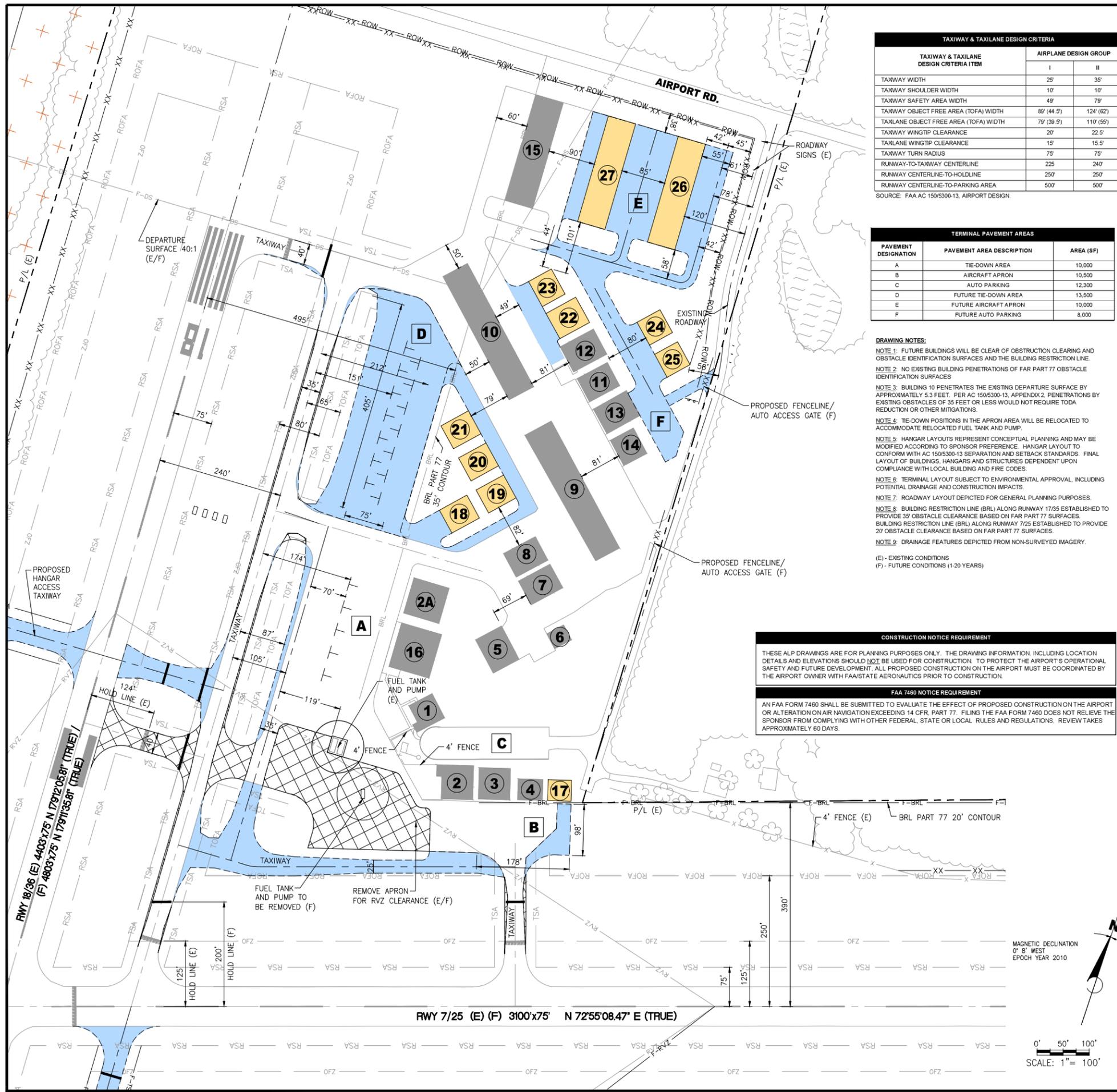
The MnDOT Aeronautics signature below acknowledges approval of the ALP.

FAA:

MnDOT Aeronautics:

Airport Sponsor (Carlton County):

Consultant (RS&H, Inc.):



TAXIWAY & TAXILANE DESIGN CRITERIA		
TAXIWAY & TAXILANE DESIGN CRITERIA ITEM	AIRPLANE DESIGN GROUP	
	I	II
TAXIWAY WIDTH	25'	35'
TAXIWAY SHOULDER WIDTH	10'	10'
TAXIWAY SAFETY AREA WIDTH	49'	79'
TAXIWAY OBJECT FREE AREA (TOFA) WIDTH	89' (44.5')	124' (62')
TAXILANE OBJECT FREE AREA (TOFA) WIDTH	79' (39.5')	110' (55')
TAXIWAY WING TIP CLEARANCE	20'	22.5'
TAXILANE WING TIP CLEARANCE	15'	15.5'
TAXIWAY TURN RADIUS	75'	75'
RUNWAY-TO-TAXIWAY CENTERLINE	225'	240'
RUNWAY CENTERLINE-TO-HOLDLINE	250'	250'
RUNWAY CENTERLINE-TO-PARKING AREA	500'	500'

SOURCE: FAA AC 150/5300-13, AIRPORT DESIGN.

TERMINAL PAVEMENT AREAS		
PAVEMENT DESIGNATION	PAVEMENT AREA DESCRIPTION	AREA (SF)
A	TIE-DOWN AREA	10,000
B	AIRCRAFT APRON	10,500
C	AUTO PARKING	12,300
D	FUTURE TIE-DOWN AREA	13,500
E	FUTURE AIRCRAFT APRON	10,000
F	FUTURE AUTO PARKING	8,000

DRAWING NOTES:

NOTE 1: FUTURE BUILDINGS WILL BE CLEAR OF OBSTRUCTION CLEARING AND OBSTACLE IDENTIFICATION SURFACES AND THE BUILDING RESTRICTION LINE.

NOTE 2: NO EXISTING BUILDING PENETRATIONS OF FAR PART 77 OBSTACLE IDENTIFICATION SURFACES.

NOTE 3: BUILDING 10 PENETRATES THE EXISTING DEPARTURE SURFACE BY APPROXIMATELY 5.3 FEET. PER AC 150/5300-13, APPENDIX 2, PENETRATIONS BY EXISTING OBSTACLES OF 35 FEET OR LESS WOULD NOT REQUIRE TODA REDUCTION OR OTHER MITIGATIONS.

NOTE 4: TIE-DOWN POSITIONS IN THE APRON AREA WILL BE RELOCATED TO ACCOMMODATE RELOCATED FUEL TANK AND PUMP.

NOTE 5: HANGAR LAYOUTS REPRESENT CONCEPTUAL PLANNING AND MAY BE MODIFIED ACCORDING TO SPONSOR PREFERENCE. HANGAR LAYOUT TO CONFORM WITH AC 150/5300-13 SEPARATION AND SETBACK STANDARDS. FINAL LAYOUT OF BUILDINGS, HANGARS AND STRUCTURES DEPENDENT UPON COMPLIANCE WITH LOCAL BUILDING AND FIRE CODES.

NOTE 6: TERMINAL LAYOUT SUBJECT TO ENVIRONMENTAL APPROVAL, INCLUDING POTENTIAL DRAINAGE AND CONSTRUCTION IMPACTS.

NOTE 7: ROADWAY LAYOUT DEPICTED FOR GENERAL PLANNING PURPOSES.

NOTE 8: BUILDING RESTRICTION LINE (BRL) ALONG RUNWAY 17/35 ESTABLISHED TO PROVIDE 35' OBSTACLE CLEARANCE BASED ON FAR PART 77 SURFACES. BUILDING RESTRICTION LINE (BRL) ALONG RUNWAY 7/25 ESTABLISHED TO PROVIDE 20' OBSTACLE CLEARANCE BASED ON FAR PART 77 SURFACES.

NOTE 9: DRAINAGE FEATURES DEPICTED FROM NON-SURVEYED IMAGERY.

(E) - EXISTING CONDITIONS
(F) - FUTURE CONDITIONS (1-20 YEARS)

CONSTRUCTION NOTICE REQUIREMENT

THESE ALP DRAWINGS ARE FOR PLANNING PURPOSES ONLY. THE DRAWING INFORMATION, INCLUDING LOCATION DETAILS AND ELEVATIONS SHOULD NOT BE USED FOR CONSTRUCTION. TO PROTECT THE AIRPORT'S OPERATIONAL SAFETY AND FUTURE DEVELOPMENT, ALL PROPOSED CONSTRUCTION ON THE AIRPORT MUST BE COORDINATED BY THE AIRPORT OWNER WITH FAA/STATE AERONAUTICS PRIOR TO CONSTRUCTION.

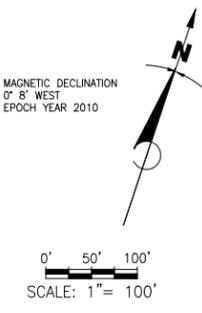
FAA 7460 NOTICE REQUIREMENT

AN FAA FORM 7460 SHALL BE SUBMITTED TO EVALUATE THE EFFECT OF PROPOSED CONSTRUCTION ON THE AIRPORT OR ALTERATION ON AIR NAVIGATION EXCEEDING 14 CFR, PART 77. FILING THE FAA FORM 7460 DOES NOT RELIEVE THE SPONSOR FROM COMPLYING WITH OTHER FEDERAL, STATE OR LOCAL RULES AND REGULATIONS. REVIEW TAKES APPROXIMATELY 60 DAYS.

BUILDING DATA TABLE				
BUILDING NUMBER	DESCRIPTION	TOP ELEV. (MSL)	FUTURE PART 77 PENETRATION (+)	BUILDING DISPOSITION
1	ARRIVALS/DEPARTURES BUILDING	1303.6	NONE	TO REMAIN
2	HANGAR	1300.4	5.7'	TO BE REMOVED /RELOCATED BEYOND RVZ
3	HANGAR	1301.8	7.1'	AIRSPACE DETERMINATION REQUIRED
4	HANGAR	1297.5	2.8'	AIRSPACE DETERMINATION REQUIRED
5	SNOW REMOVAL EQUIPMENT BUILDING (SRE)	1303.6	NONE	REMAIN
6	AIRPORT MAINTENANCE BUILDING	1294.2	NONE	REMAIN
7	HANGAR	1300.8	NONE	REMAIN
8	HANGAR	1301.0	NONE	REMAIN
9	T-HANGAR	1293.3	NONE	REMAIN
10	T-HANGAR	1293.9	NONE	REMAIN
11	HANGAR	1292.8	NONE	REMAIN
12	HANGAR	1299.0 (EST)	NONE	REMAIN
13	HANGAR	1299.0 (EST)	NONE	REMAIN
14	HANGAR	1293.0 (EST)	NONE	REMAIN
15	T-HANGAR	1294.0 (EST)	NONE	REMAIN
16	HANGAR	1308.0 (EST)	NONE	REMAIN
2A	HANGAR 2 RELOCATED	1302.0 (EST)	NONE	REMAIN
17	FUTURE HANGAR	SEE NOTE 2	NONE	--
22	FUTURE HANGAR	SEE NOTE 2	NONE	--
18	FUTURE HANGAR	SEE NOTE 2	NONE	--
19	FUTURE HANGAR	SEE NOTE 2	NONE	--
20	FUTURE HANGAR	SEE NOTE 2	NONE	--
21	FUTURE HANGAR	SEE NOTE 2	NONE	--
24	FUTURE HANGAR	SEE NOTE 2	NONE	--
25	FUTURE HANGAR	SEE NOTE 2	NONE	--
26	FUTURE T-HANGAR	SEE NOTE 2	NONE	--
27	FUTURE T-HANGAR	SEE NOTE 2	NONE	--

SOURCE: BUILDING ELEVATIONS AS PROVIDED BY MARTINEZ GEOSPATIAL, INC. SURVEY, NOVEMBER 2008.
NOTE 1: BUILDING NUMBER PER AIRPORT STAFF, AS CONSISTENT WITH FORMER ALP.
NOTE 2: BUILDINGS CONSTRUCTED UNDER PART 77 IMAGINARY AIRSPACE SURFACES.

DESCRIPTION	EXISTING	FUTURE
PROPERTY LINE		
EASEMENT	E	E
EASEMENT BOUNDARY		
LEASE	L	L
RUNWAY SAFETY AREA	RSA	F-RSA
RUNWAY OBJECT FREE AREA	OFA	F-OFA
RUNWAY OBSTACLE FREE ZONE	OFZ	F-OFZ
RUNWAY PROTECTION ZONE		
RUNWAY VISIBILITY ZONE	RVZ	F-RVZ
TAXIWAY SAFETY AREA	TSA	F-TSA
TAXIWAY OBJECT FREE AREA	TOFA	F-TOFA
BUILDING RESTRICTION LINE	BRL	F-BRL
DEPARTURE SURFACE	DS	F-DS
THRESHOLD SITING SURFACE	TSS	F-TSS
APPROACH SURFACE	77	F-77
DRAINAGE FEATURE		
AIRFIELD PAVEMENT		
PAVEMENT REMOVAL		
AIRPORT BUILDINGS		
BUILDING TO BE REMOVED		
NON-AIRPORT BUILDINGS		
RUNWAY LIGHT	⊖	●
AWOS (AUTOMATED WEATHER OBSERVATION SYSTEM)	○	⊙
REIL (RUNWAY END IDENTIFIER LIGHT)	▷	▶
PAPI (PERCISION APPROACH PATH INDICATOR)		■
ARP (AIRPORT REFERENCE POINT)	⊗	⊙
BEACON	★	
WINDSOCK / WINDCONE	▲	
TREES	☺	
FENCE	X	XX
POWER POLE	□	
FLAG		



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CLOQUET - CARLTON COUNTY AIRPORT

AIRPORT LAYOUT PLAN

Federal Aviation Administration
CONDITIONALLY APPROVED
Subject to the comments in letter dated below:
Federal Aviation Administration

DEPARTMENT OF TRANSPORTATION
AERONAUTICS
CONDITIONALLY APPROVED
NAME: _____ DATE: _____
Regional Engineer / Representative

REVISIONS

NO.	DESCRIPTION	DATE
1	FEBRUARY 2022 UPDATE	
2	APRIL 2023 UPDATE	

DATE ISSUED: AUGUST, 2012
REVIEWED BY: DKC
DRAWN BY: BJJ
DESIGNED BY: JPS

AEP PROJECT NUMBER
213-4581-005

SHEET TITLE
TERMINAL AREA DRAWING

SHEET NUMBER
5 OF 13

FINAL DOCUMENTS