

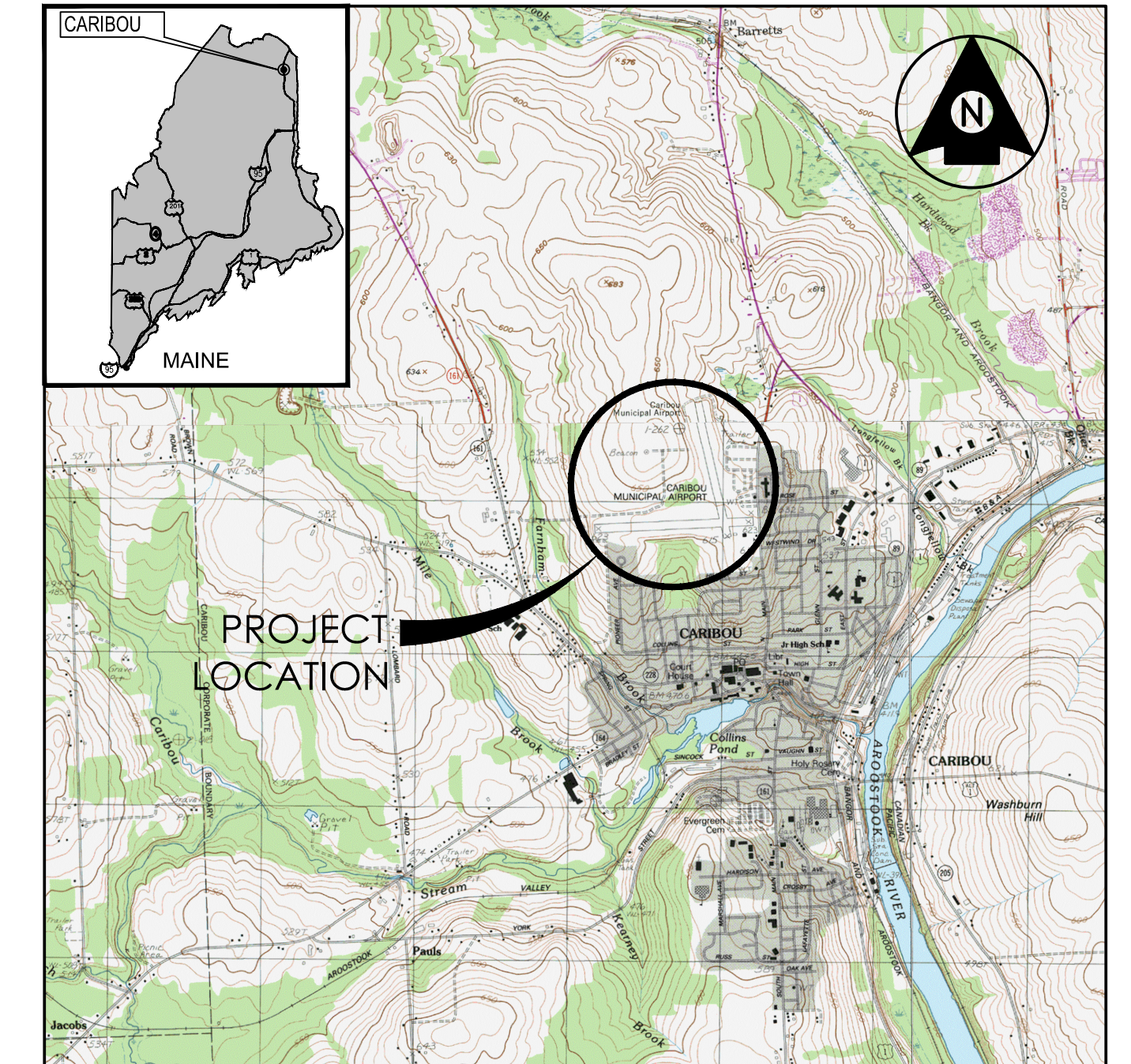
CARIBOU MUNICIPAL AIRPORT CARIBOU, MAINE FAA SITE # 07903-A

AIRPORT MASTER PLAN UPDATE

REVIEW WITH
MDOT
JANUARY 21, 2016

JANUARY 2016

AIP # 3-23-0012-17-2014



VICINITY MAP
NOT TO SCALE

INDEX OF SHEETS

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4.	AIRPORT LAYOUT PLAN (PROPOSED)
5.	TERMINAL LAYOUT PLAN

Consultants

Legend

Notes

RUNWAY 01-19 DATA TABLE				
RUNWAY DATA	EXISTING		PROPOSED	
	RUNWAY 01	RUNWAY 19	RUNWAY 01	RUNWAY 19
Utility Runway (YES/NO)	YES		YES	
Runway Design Code (RDC)	B-II-4000		B-II-4000	
Pavement Strength & Material Type	ASPHALT		ASPHALT	
Strength by Wheel Loading	30,000 LBS SW		30,000 LBS SW	
Surface Treatment	NO		NO	
Effective Runway Gradient	0.0%	0.0%	0.0%	0.0%
Percent Wind Coverage	95.4%		95.4%	
Runway Length	4,003'		4,003'	
Runway Width	100		100	
Displaced Threshold (Distance/Elevation)	0	0	0	0
Runway End Coordinates				
Latitude	46-52.094295N	46-52.736680N	46-52.094295N	46-52.736680N
Longitude	068-00.896288W	068-01.107738W	068-00.896288W	068-01.107738W
Elevation	617.6	617.98	617.6	617.98
Runway Lighting Type	MIRL		MIRL	
Approach Lighting	NO	NO	NO	NO
Vertical Glide Slope Indicator Lights (VGSI)	NO	NO	PAPI 4L	PAPI 4L
Runway Marking Type	NON PRECISION	NON PRECISION	NON PRECISION	NON PRECISION
14 CFR Part 77 Approach Category	VISUAL	NON PRECISION	NON PRECISION	NON PRECISION
Approach Type	VISUAL	NON PRECISION (RNAV)	NON PRECISION (LPV)	NON PRECISION (LPV)
Visibility Minimums	3 MILES	1 MILE	1 MILE	1 MILE
Runway Departure Surface (Y/N)	NO	NO	NO	NO
Runway Safety Area (RSA)				
Length Beyond Departure End	300'	300'	300'	300'
Length Prior to Threshold	300'	300'	300'	300'
Width	150'		150'	
Object Free Area (OFA)				
Length Beyond Departure End	300'	300	300'	300
Length Prior to Threshold	300'	300'	300'	300'
Width	500'		500'	
Obstacle Free Zone (OFZ)				
Length	200'	200'	200'	200'
Width	250'		250'	
Threshold Siting Surface (TSS)	NO TSS PENETRATIONS		NO TSS PENETRATIONS	
Visual and Instrument NAVAIDS	MIRL, VOR	MIRL, VOR, GPS	MIRL, VOR, GPS	MIRL, VOR, GPS
Touchdown Zone Elevation	617.94	619.7	617.94	619.7

RUNWAY 11-29 DATA TABLE				
RUNWAY DATA	EXISTING		PROPOSED	
	RUNWAY 11	RUNWAY 29	RUNWAY 11	RUNWAY 29
Utility Runway (Y/N)	YES		YES	
Runway Design Code (RDC)	B-II-VISUAL		B-II-VISUAL	
Pavement Strength & Material Type	ASPHALT		ASPHALT	
Strength by Wheel Loading	30,000 LBS SW		30,000 LBS SW	
Surface Treatment	NO		NO	
Effective Runway Gradient	0.0%	0.0%	0.0%	0.0%
Percent Wind Coverage	93.5% (13 KTS)		93.5% (13 KTS)	
Runway Length	3,136'		3,136'	
Runway Width	75'		75'	
Displaced Threshold - Distance (Elevation)	0'	519' (616.2')	0	519' (616.2')
Runway End Coordinates				
Latitude	46-52.130978N	46-52.152503N	46-52.130978N	46-52.152503N
Longitude	068-01.570345W	068-00.847520W	068-01.570345W	068-00.847520W
Elevation	620.19	620.82	620.19	620.82
Runway Lighting Type	MIRL		MIRL	
Approach Lighting	NO	NO	NO	NO
Vertical Glide Slope Indicator Lights (VGSI)	NO	NO	NO	NO
Runway Marking Type	BASIC	BASIC	BASIC	BASIC
14 CFR Part 77 Approach Category	VISUAL	VISUAL	VISUAL	VISUAL
Approach Type	VISUAL	VISUAL	VISUAL	VISUAL
Visibility Minimums	3 MILES	3 MILES	3 MILES	3 MILES
Runway Departure Surface (Y/N)	NO	NO	NO	NO
Runway Safety Area (RSA)				
Length Beyond Departure End	300'	300'	300'	300'
Length Prior to Threshold	300'	300'	300'	300'
Width	150'		150'	
Object Free Area (OFA)				
Length Beyond Departure End	300'	300'	300'	300'
Length Prior to Threshold	300'	300'	300'	300'
Width	500'		500'	
Obstacle Free Zone (OFZ)				
Length	200'	200'	200'	200'
Width	250'		250'	
Threshold Siting Surface (TSS)	NO TSS PENETRATIONS	20:1 TSS	NO TSS PENETRATIONS	20:1 TSS
Visual and Instrument NAVAIDS	MIRL	MIRL	MIRL	MIRL
Touchdown Zone Elevation	614.26	608.1	614.26	608.1

AIRPORT DATA TABLE		
AIRPORT DATA	EXISTING	PROPOSED
FAA Site Number	07903-A	07903-A
Airport Elevation (MSL)	620.3'	620.3'
Airport Reference Point (NAD 83)		
Latitude	46-52-17.9000N	46-52-17.9000N
Longitude	068-01-05.5000W	068-01-05.5000W
Mean Max Temperature of Hottest Month	76°F	76°F
Airport Navigation Aids	MIRL, Rotating Beacon	MIRL, MITL, Rotating Beacon, PAPI, REILS
Miscellaneous Facilities	GPS, VOR (PQI)	GPS, VOR (PQI)
Declination	17° 24' W	15° 02' W
Source (Date)	www.ngdc.noaa.gov (3/13/15)	www.ngdc.noaa.gov (est. 2035)
NPIAS Service Level	General Aviation	General Aviation
State Service Level	3	3
Airport Reference Code	B-II	B-II
Taxiway Design Group	N/A	TDG-1
Design Aircraft	Cessna 421	King Air 350

RUNWAY PROTECTION ZONE						
EXISTING						
RUNWAY	APPROACH TYPE	VISIBILITY	INNER WIDTH	OUTER WIDTH	LENGTH	ACRES
1	VISUAL	3 MI	500	700	1,000	13.77
19	NP	1 MI	500	700	1,000	13.77
11	VISUAL	3 MI	500	700	1,000	13.77
29	VISUAL	3 MI	500	700	1,000	13.77
PROPOSED						
RUNWAY	APPROACH TYPE	VISIBILITY	INNER WIDTH	OUTER WIDTH	LENGTH	ACRES
1	NP	1 MI	500	700	1,000	13.77
19	NP	1 MI	500	700	1,000	13.77
11	VISUAL	3 MI	500	700	1,000	13.77
29	VISUAL	3 MI	500	700	1,000	13.77

LEGEND		
EXISTING	DESCRIPTION	PROPOSED
	Runway Safety Area (RSA)	SAME
	Runway Object Free Area (ROFA)	SAME
	Runway Obstacle Free Zone (ROFZ)	SAME
	Runway Protection Zone (RPZ)	SAME
	Building Restriction Line (BRL)	SAME
	Airport Pavement	
	Airport Reference Point	SAME
	Buildings	
	Airport Property Line	SAME
	Other Property Lines	SAME
	Fence	SAME
	Tree line	SAME
	Ground Elevation Contours	SAME
	Obstruction Light	SAME
	Avigation Easements	SAME
	Pavement to be Removed	

WIND DATA TABLE (13 KTS)				
RUNWAY	IFR	VFR	ALL	CALMS
01-19	97.6%	95.1%	95.4%	N/A
11-29	92.7%	93.6%	93.5%	
Source: 1998 Airport Master Plan Update				
Station:	Caribou			
Period:	January 1986 - December 1995			

FAA's approval of this Airport Layout Plan (ALP) represents acceptance of the general location of future facilities depicted. During the preliminary design phase, the airport sponsor is required to resubmit for approval the final locations, heights and exterior finish of structures. FAA's concern is obstructions, impact on electronic aids or adverse effects on controller view of aircraft approach and ground movement areas which could adversely affect the safety, efficiency or utility of the airport.

The Building Restriction Line shown assumes a height of 20' above the ground level (AGL). Buildings less than 20' could be positioned closer to the runway and buildings taller than 20' will be required to be further from the runway.

To protect operational safety and future development, all proposed construction on the airport must be coordinated by the airport owner with the Airports District Office prior to construction. FAA's review takes approximately 60 days.

Client/Project
CARIBOU MUNICIPAL AIRPORT

MASTER PLAN UPDATE
CARIBOU, MAINE

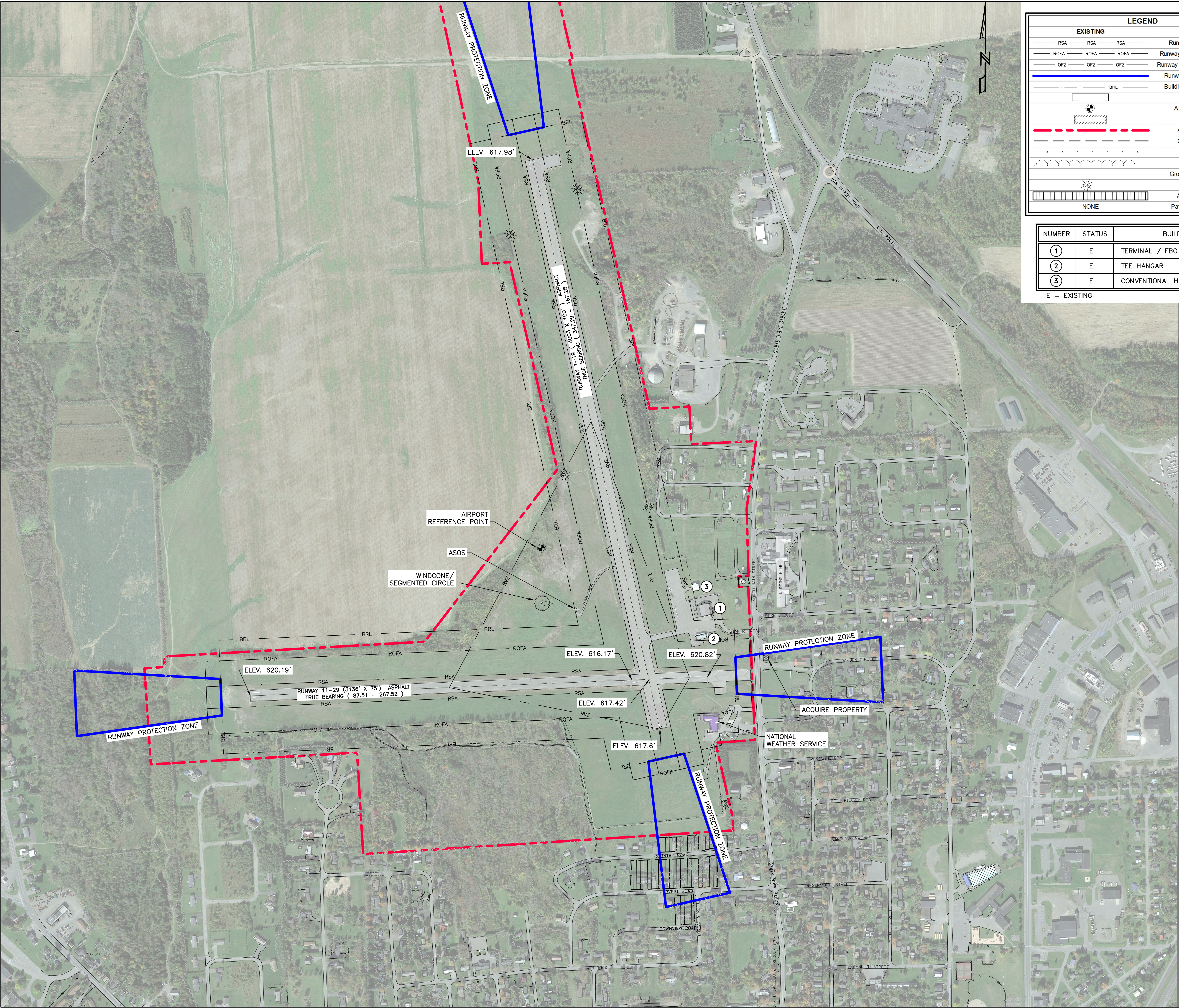
Title
AIRPORT DATA SHEET

Project No.
195210757

Scale
AS NOTED

Figure No.

Revision



LEGEND	
EXISTING	DESCRIPTION
RSA	Runway Safety Area (RSA)
ROFA	Runway Object Free Area (ROFA)
OFZ	Runway Obstacle Free Zone (ROFZ)
RPZ	Runway Protection Zone (RPZ)
BRL	Building Restriction Line (BRL)
	Airport Pavement
	Airport Reference Point
	Buildings
	Airport Property Line
	Other Property Lines
	Fence
	Tree line
	Ground Elevation Contours
	Obstruction Light
	Avigation Easements
	Pavement to be Removed
NONE	

NUMBER	STATUS	BUILDINGS
①	E	TERMINAL / FBO
②	E	TEE HANGAR
③	E	CONVENTIONAL HANGAR

E = EXISTING

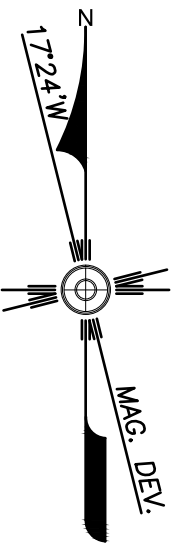


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Notes



Revision

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By

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File Name:	shl_03_ALP_gis_existing.dwg	CEJ	ECD	JAG	16.01.22
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

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Client/Project
CARIBOU MUNICIPAL AIRPORT

MASTER PLAN UPDATE
CARIBOU, MAINE

Title
AIRPORT LAYOUT PLAN
(EXISTING)

Project No.
195210757

Scale
AS NOTED

Figure No.

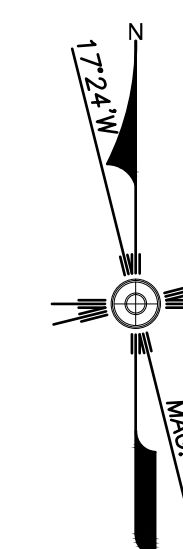
Revision



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Notes



0 300' 600'

Revision	By	Appd.	YY.MM.

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File Name: sht_04_ALP_pln_proposed.dwg	CEJ	ECD	JAG	16.01.2017
	Drawn	Checked	Design	XX MM

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CARIBOU MUNICIPAL AIRPORT

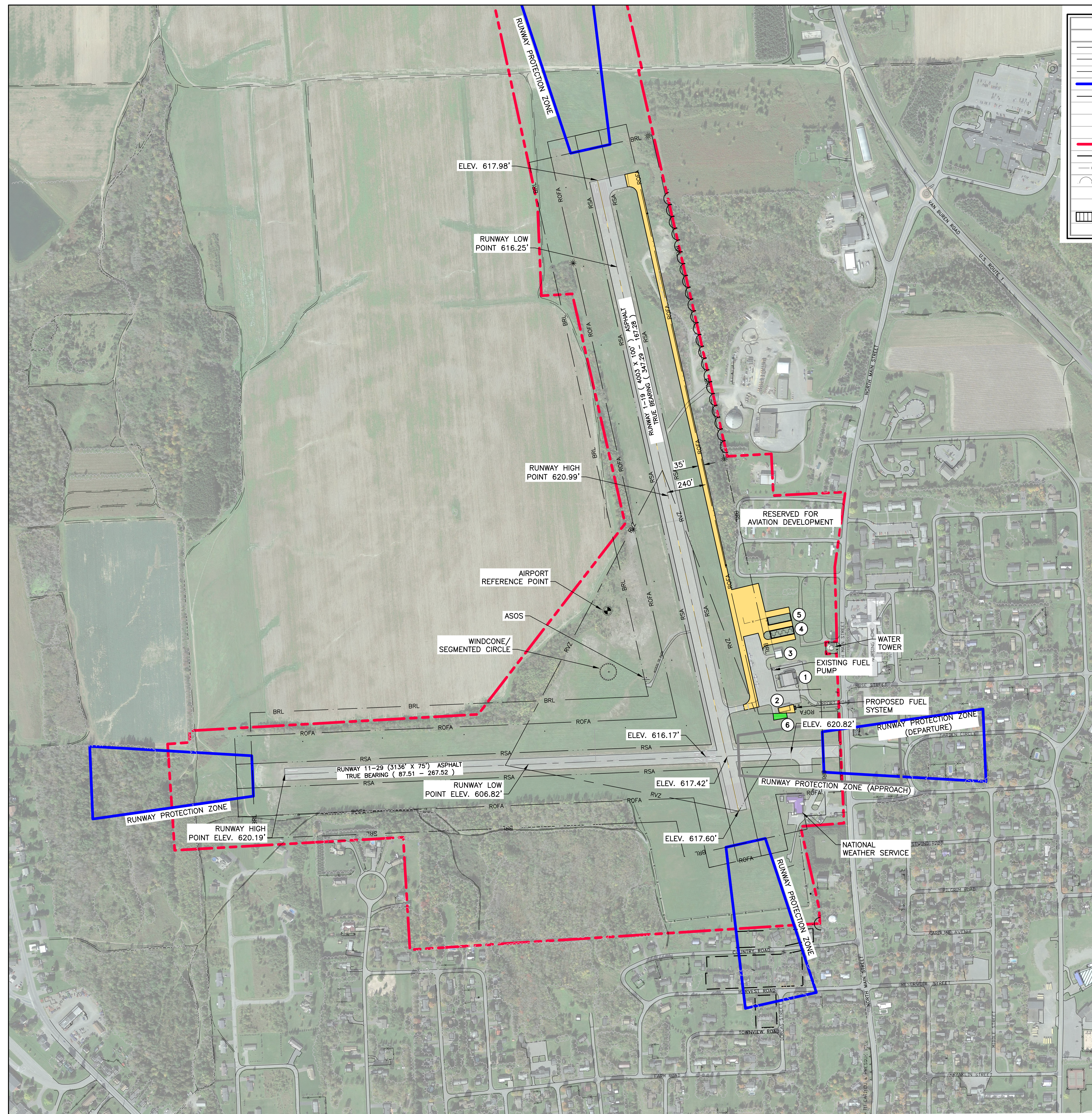
MASTER PLAN UPDATE
CARIBOU, MAINE

Title
AIRPORT LAYOUT PLAN
(PROPOSED)

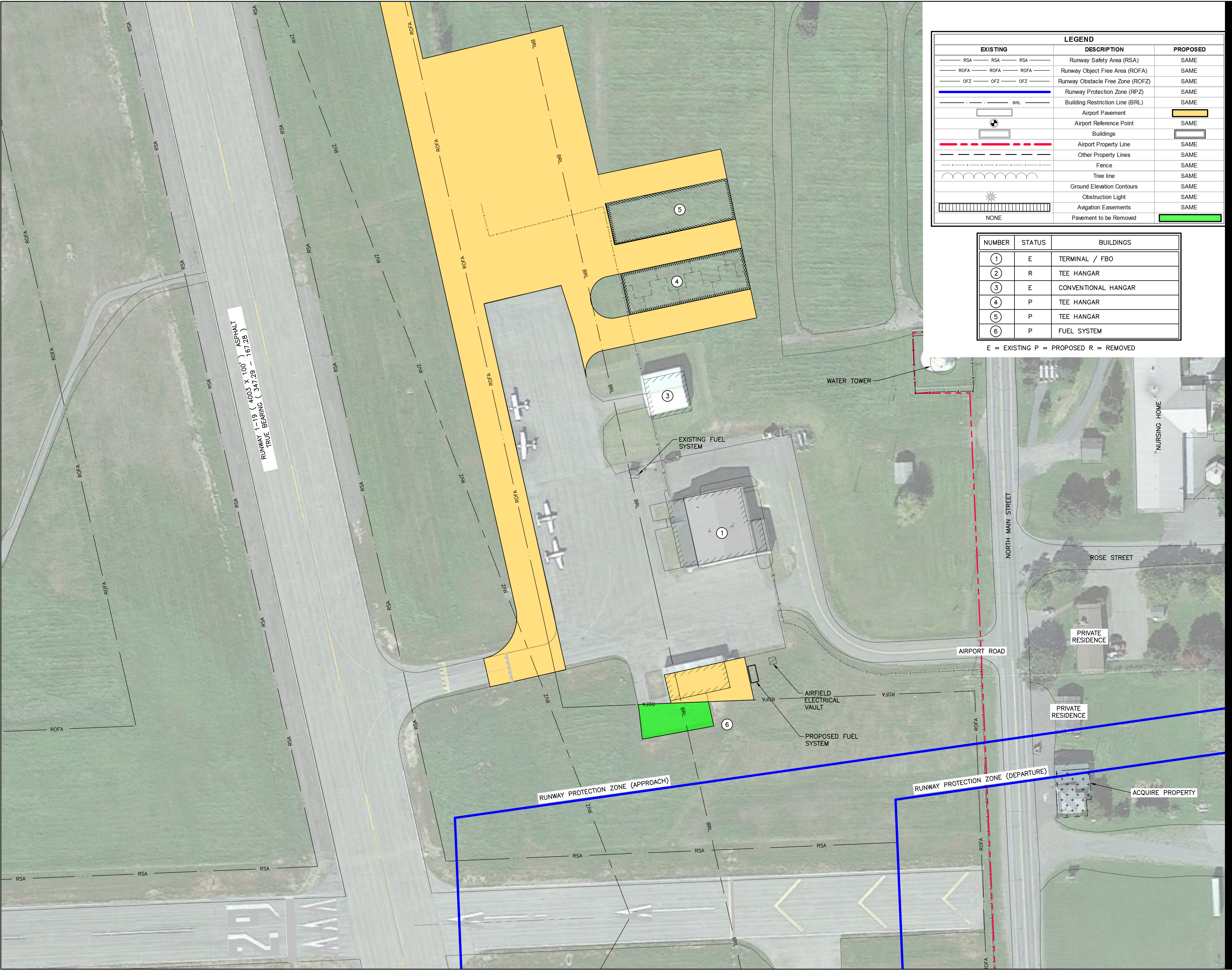
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Figure No.	Revision
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ORIGINAL SHEET - ARCH D



LEGEND		
EXISTING	DESCRIPTION	PROPOSED
	Runway Safety Area (RSA)	SAME
	Runway Object Free Area (ROFA)	SAME
	Runway Obstacle Free Zone (ROFZ)	SAME
	Runway Protection Zone (RPZ)	SAME
	Building Restriction Line (BRL)	SAME
	Airport Pavement	
	Airport Reference Point	SAME
	Buildings	
	Airport Property Line	SAME
	Other Property Lines	SAME
	Fence	SAME
	Tree line	SAME
	Ground Elevation Contours	SAME
	Obstruction Light	SAME
	Avigation Easements	SAME
	Pavement to be Removed	

NUMBER	STATUS	BUILDINGS
1	E	TERMINAL / FBO
2	R	TEE HANGAR
3	E	CONVENTIONAL HANGAR
4	P	TEE HANGAR
5	P	TEE HANGAR
6	P	FUEL SYSTEM

E = EXISTING P = PROPOSED R = REMOVED

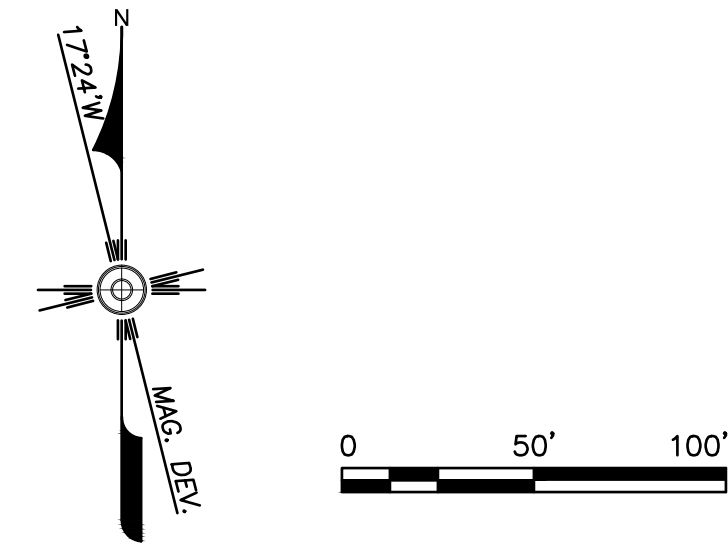


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File Name:	shl_05_terminal_psh.dwg	CEJ	ECD	JAG	16.01.22
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project
CARIBOU MUNICIPAL AIRPORT

MASTER PLAN UPDATE
CARIBOU, MAINE

Title
TERMINAL LAYOUT PLAN

Project No.	Scale
195210757	AS NOTED

Figure No.	Revision
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