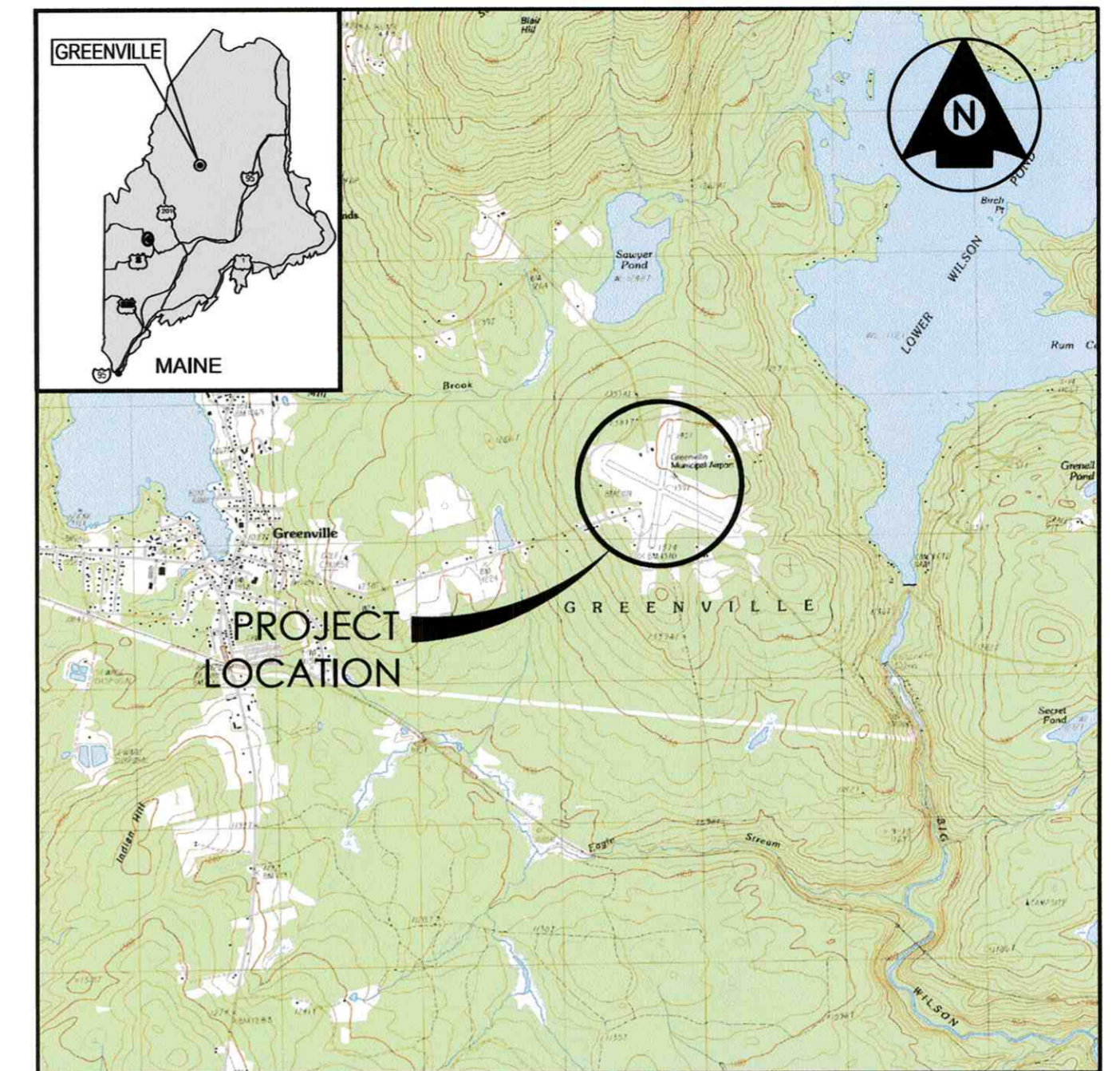


# GREENVILLE MUNICIPAL AIRPORT GREENVILLE, MAINE

# AIRPORT MASTER PLAN UPDATE

JANUARY 2016

A.I.P. Number: 3-23-0023-16-2013



VICINITY MAP  
NOT TO SCALE

## INDEX OF SHEETS

<u>SHEET NO.</u>	<u>TITLE</u>
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RUNWAY DATA	EXISTING		PROPOSED	
	RUNWAY 14	RUNWAY 32	RUNWAY 14	RUNWAY 32
Utility Runway (Y/N)	NO		NO	
Runway Design Code (RDC)	B-II-4000		B-II-4000	
Pavement Strength & Material Type	ASPHALT		ASPHALT	
Strength by Wheel Loading	12,500# SW		25,000# SW, 60,000# DW	
Pavement Classification Number (PCN)	NO		NO	
Surface Treatment	NO		NO	
Effective Runway Gradient	-0.03%	0.03%	-0.03%	0.03%
Percent Wind Coverage	95.0%		95.0%	
Runway Length	3,999'		4,500'	
Runway Width	75'		75'	
Displaced Threshold (Distance/Elevation)	NO		NO	
Runway End Coordinates				
Latitude	N 45° 27' 54.2494"	N 45° 27' 36.1056"	N 45° 27' 54.2494"	N 45° 27' 33.82"
Longitude	W 069° 33' 27.5042"	W 069° 32' 37.6651"	W 069° 33' 27.5042"	W 069° 32' 31.49"
Elevation	1,384'		1,373.7'	
Runway Lighting Type	MIRL		MIRL	
Approach Lighting	NO		NO	
Vertical Glide Slope Indicator Lights (VGSIL)	PAPI 4 RIGHT (3.0')	PAPI 4 LEFT (3.1')	PAPI 4 RIGHT (3.0')	PAPI 4 LEFT (3.0')
Runway Protection Zone (RPZ) (IW x OW x L)	500' x 700' x 1,000'	500' x 700' x 1,000'	500' x 700' x 1,000'	500' x 700' x 1,000'
Runway Marking Type	NPI		NPI	
14 CFR Part 77 Approach Category	NON PRECISION (34-1)	VISUAL (20-1)	NON PRECISION (34-1)	NON PRECISION (34-1)
Approach Type	GPS LNAV	Circling	GPS LPV	GPS LPV
Visibility Minimums	1-1/4 miles	1-1/4 mi	1 MILE	1 MILE
Runway Departure Surface (Y/N)	NO		NO	
Runway Safety Area (RSA)				
Length Beyond Departure End	300'		300'	
Length Prior to Threshold	300'		300'	
Width	150'		150'	
Object Free Area (OFA)				
Length Beyond Departure End	300'		300'	
Length Prior to Threshold	300'		300'	
Width	500'		500'	
Obstacle Free Zone (OFZ)				
Length	200'		200'	
Width	400'		400'	
Threshold Siting Surface (TSS)	NO TSS PENETRATIONS		NO TSS PENETRATIONS	
Visual and Instrument NAVAIDS	MIRL, REIL, PAPI	MIRL, PAPI	MIRL, REIL, PAPI	MIRL, REIL, PAPI
Touchdown Zone Elevation	1,391.7'		1,361.0'	
Taxiway Design Group	TDG-II		TDG-II	

RUNWAY DATA	EXISTING		PROPOSED	
	RUNWAY 3	RUNWAY 21	RUNWAY 3	RUNWAY 21
Utility Runway (Y/N)	YES		YES	
Runway Design Code (RDC)	A-I-VIS (small aircraft)		A-I-VIS (small aircraft)	
Pavement Strength & Material Type	ASPHALT		ASPHALT	
Strength by Wheel Loading	12,500# SW		12,500# SW	
Pavement Classification Number (PCN)	NO		NO	
Surface Treatment	NO		NO	
Effective Runway Gradient	0.90%	-0.90%	0.90%	-0.90%
Percent Wind Coverage	95.0%		95.0%	
Runway Length	3,000'		3,000'	
Runway Width	75'		75'	
Displaced Threshold (Distance/Elevation)	NO		NO	
Runway End Coordinates				
Latitude	N 45° 27' 32.9366"	N 45° 28' 02.1631"	N 45° 27' 32.9366"	N 45° 28' 02.1631"
Longitude	W 069° 33' 13.8444"	W 069° 33' 06.9829"	W 069° 33' 13.8444"	W 069° 33' 06.9829"
Elevation	1,373.7'		1,401.8'	
Runway Lighting Type	MIRL		MIRL	
Approach Lighting	NO		NO	
Vertical Glide Slope Indicator Lights (VGSIL)	NO		NO	
Runway Protection Zone (RPZ) (IW x OW x L)	250' x 450' x 1,000'	250' x 450' x 1,000'	250' x 450' x 1,000'	250' x 450' x 1,000'
Runway Marking Type	BASIC		BASIC	
14 CFR Part 77 Approach Category	VISUAL (20-1)	VISUAL (20-1)	VISUAL (20-1)	VISUAL (20-1)
Approach Type	CIRCLING	CIRCLING	CIRCLING	CIRCLING
Visibility Minimums	1-1/4 MILE	1-1/4 MILE	1-1/4 MILE	1-1/4 MILE
Runway Departure Surface (Y/N)	NO		NO	
Runway Safety Area (RSA)				
Length Beyond Departure End	240'		240'	
Length Prior to Threshold	240'		240'	
Width	120'		120'	
Object Free Area (OFA)				
Length Beyond Departure End	240'		240'	
Length Prior to Threshold	240'		240'	
Width	250'		250'	
Obstacle Free Zone (OFZ)				
Length	200'		200'	
Width	250'		250'	
Threshold Siting Surface (TSS)	NO TSS PENETRATIONS		NO TSS PENETRATIONS	
Visual and Instrument NAVAIDS	MIRL	MIRL	MIRL, REIL, PAPI	MIRL, REIL, PAPI
Touchdown Zone Elevation	NO		NO	
Taxiway Design Group	TDG-I		TDG-I	

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.

There are no OFZ penetrations other than frangible NAVAIDS.

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.

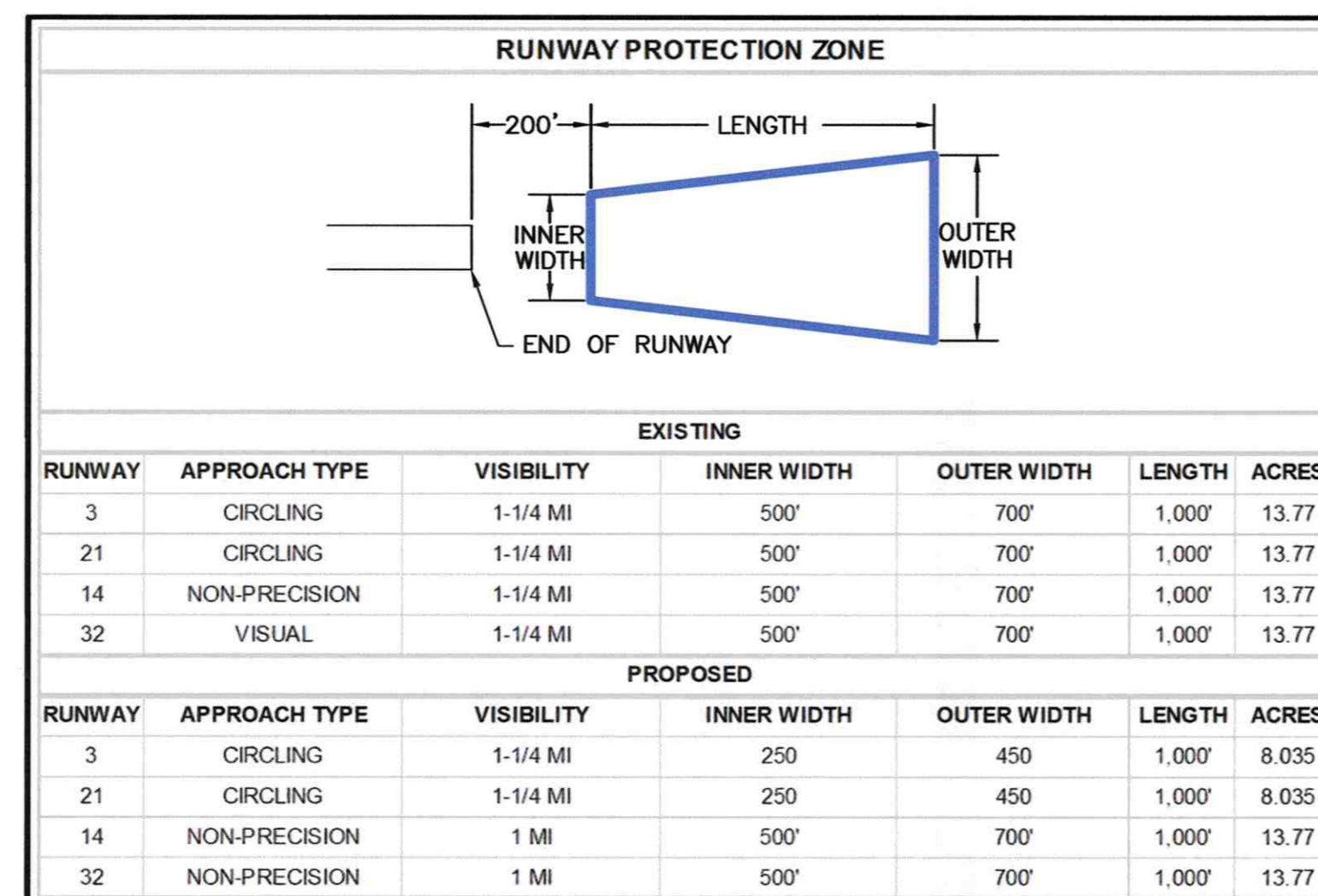
WIND DATA TABLE				
RUNWAY	IFR	VFR	ALL	CALMS
3-21	N/A	N/A	94.8%	20.7
14-32	N/A	N/A	96.5%	
Source: October 2000 Airport Master Plan				
Station: Greenville, ME Recording Station #14614				
Period: January 1970 - December 1974				

Consultants

Legend

Notes

AIRPORT DATA TABLE		
AIRPORT DATA	EXISTING	PROPOSED
FAA Site Number	08014-A	08014-A
Airport Elevation (MSL)	1401.8 feet	1387.0 feet
Airport Reference Point (NAD 83)		
Latitude	45-27-46.20 N	45-27-45 N
Longitude	069-33-05.90 W	069-33-04 W
Mean Max Temperature of Hottest Month	80 F	80 F
Airport Navigation Aids	RWY & TWY Edge Lights, rotating beacon, PAPI, REIL, Segmented Circle, Lighted Wind Cone, GPS	RWY & TWY Edge Lights, rotating beacon, PAPI, REIL, Segmented Circle, Lighted Wind Cone, GPS
Miscellaneous Facilities	Fuel (100LL & Jet A), AWOS	Fuel (100LL & Jet A), AWOS
Declination	16°17' W	16°17' W
Source (Date)	National Geophysical Data Center (NGDC) January 2016	
NPIAS Service Level	General Aviation	General Aviation
State Service Level	Level II	Level II
Airport Reference Code	B-II	B-II
Taxiway Design Group	TDG-2	TDG-2
Design Aircraft	Dassault Falcon 10	Dassault Falcon 10



EXISTING	DESCRIPTION	PROPOSED
---	Runway Safety Area (RSA)	SAME
---	Runway Object Free Area (ROFA)	SAME
---	Runway Protection Zone (RPZ)	SAME
---	Building Restriction Line (BRL)	SAME
---	Airport Pavement	---
---	Airport Reference Point	---
---	Airport Buildings	---
---	Airport Property Line	SAME
---	Fence	---
---	Roads	SAME
---	Tree line	SAME
---	Avigation Easement	---
---	Pavement to be Removed	---
N/A		

Revision By Appd. YY.MM.DD

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File Name: shi\_02\_data\_shi.dwg CEJ ECD JAG 14.01.25  
 Dwn. Chkd. Dgrr. YY.MM.DD

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Client/Project  
 GREENVILLE MUNICIPAL AIRPORT

MASTER PLAN UPDATE  
 GREENVILLE, MAINE

Title  
 AIRPORT DATA SHEET

Project No. 195210680 Scale AS NOTED

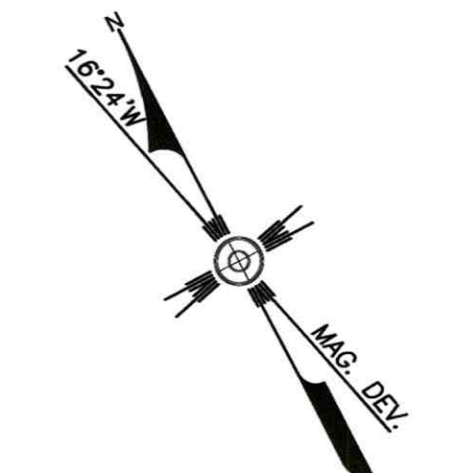
Figure No. Revision

EXISTING	DESCRIPTION
	Runway Safety Area (RSA)
	Runway Object Free Area (ROFA)
	Runway Protection Zone (RPZ)
	Building Restriction Line (BRL)
	Airport Pavement
	Airport Reference Point
	Airport Buildings
	Airport Property Line
	Fence
	Roads
	Tree line
	Avigation Easement
	Pavement to be Removed
	N/A

Consultants

Legend

Notes




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Issued	By	Appd.	YY.MM.DD

File Name: stl\_03\_ex\_cond\_pln.dwg    CEJ    ECD    JAG    15.08.04  
 Dwn.    Chkd.    Dign.    YY.MM.DD

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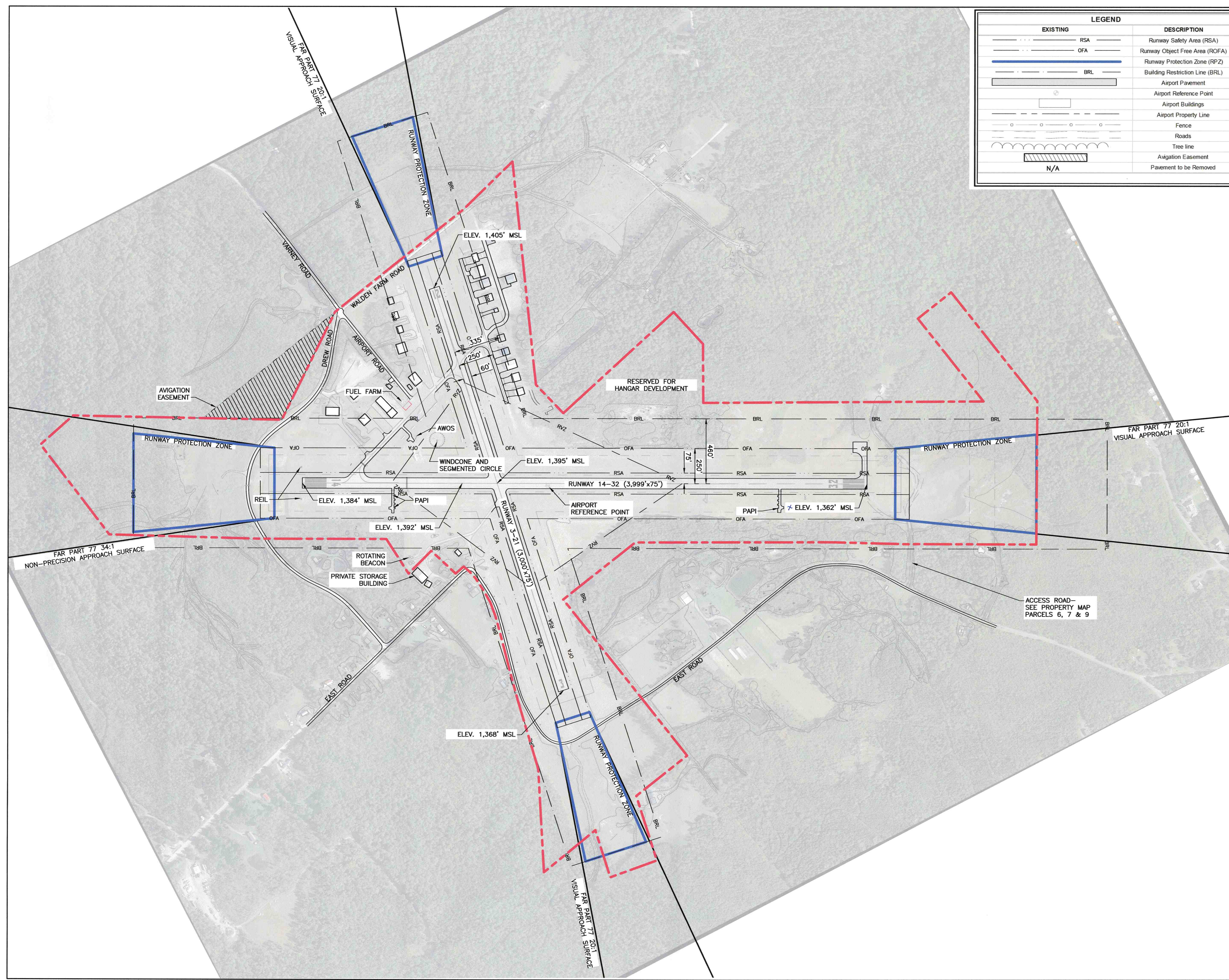
Client/Project  
 GREENVILLE MUNICIPAL AIRPORT

MASTER PLAN UPDATE  
 GREENVILLE, MAINE

Title  
 EXISTING FACILITIES PLAN

Project No.    Scale  
 195210680    AS NOTED

Figure No.    Revision  
 3    0

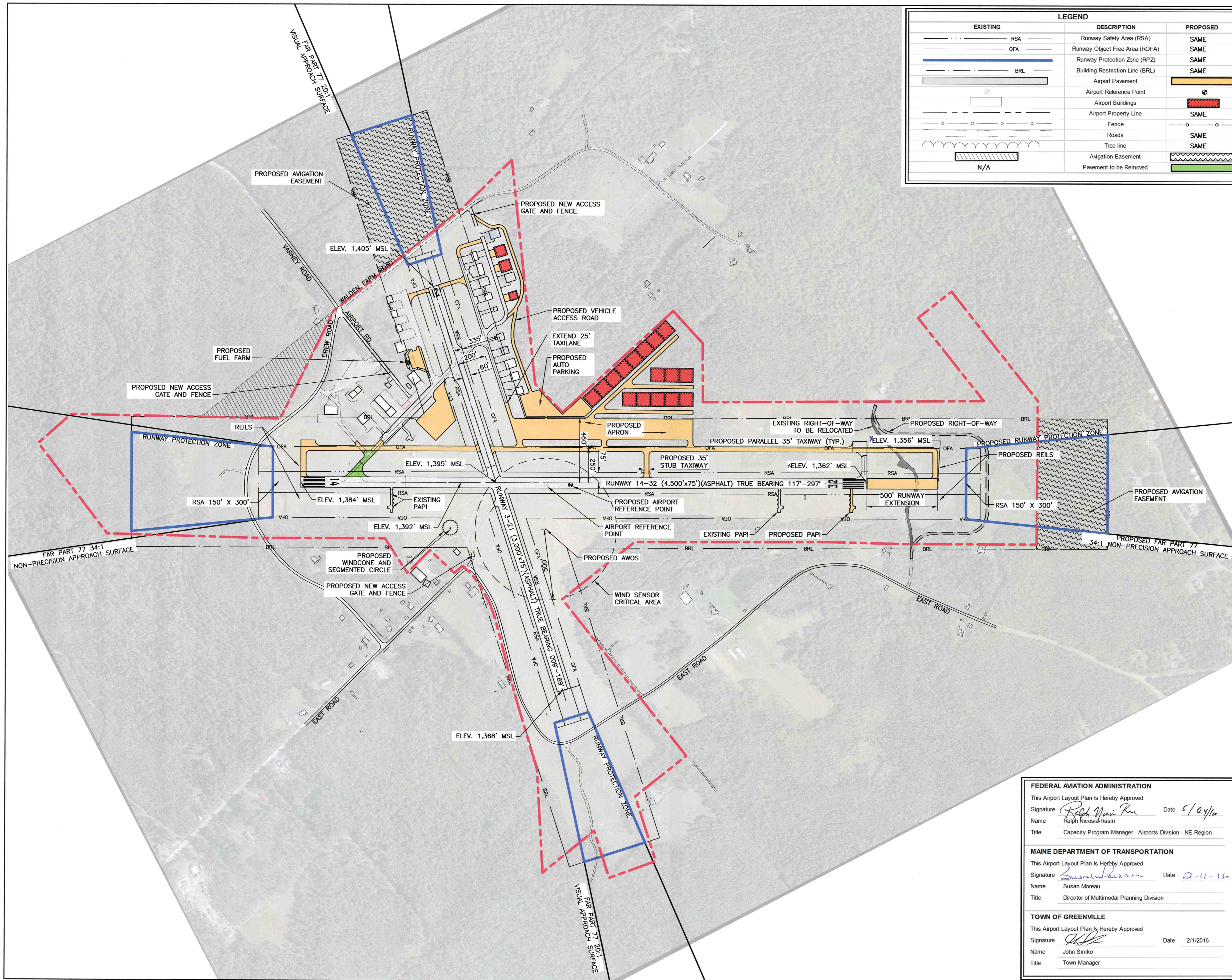
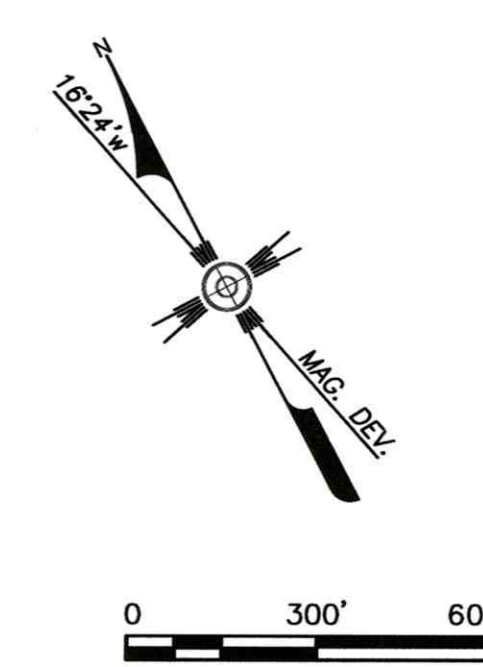


EXISTING	DESCRIPTION	PROPOSED
	Runway Safety Area (RSA)	SAME
	Runway Object Free Area (ROFA)	SAME
	Runway Protection Zone (RPZ)	SAME
	Building Restriction Line (BRL)	SAME
	Airport Pavement	
	Airport Reference Point	
	Airport Buildings	
	Airport Property Line	SAME
	Fence	
	Roads	SAME
	Tree line	SAME
	Avigation Easement	
	Pavement to be Removed	
	N/A	

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Notes



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 Dwn.    Chkd.    Dgn.    YY.MM.DD

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**FEDERAL AVIATION ADMINISTRATION**  
 This Airport Layout Plan is Hereby Approved  
 Signature: *Ralph Nicosia-Rusin*    Date: 5/24/16  
 Name: Ralph Nicosia-Rusin  
 Title: Capacity Program Manager - Airports Division - NE Region

**MAINE DEPARTMENT OF TRANSPORTATION**  
 This Airport Layout Plan is Hereby Approved  
 Signature: *Susan Moreau*    Date: 2-11-16  
 Name: Susan Moreau  
 Title: Director of Multimodal Planning Division

**TOWN OF GREENVILLE**  
 This Airport Layout Plan is Hereby Approved  
 Signature: *John Simko*    Date: 2/1/2016  
 Name: John Simko  
 Title: Town Manager

Client/Project  
 GREENVILLE MUNICIPAL AIRPORT

MASTER PLAN UPDATE  
 GREENVILLE, MAINE

Title  
 AIRPORT LAYOUT PLAN

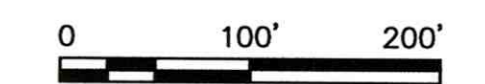
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Figure No.    Revision  
 4    0

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Notes



Revision

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File Name: shi\_05\_terminal\_ph.DWG 16.01.25  
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 GREENVILLE MUNICIPAL AIRPORT

MASTER PLAN UPDATE  
 GREENVILLE, MAINE

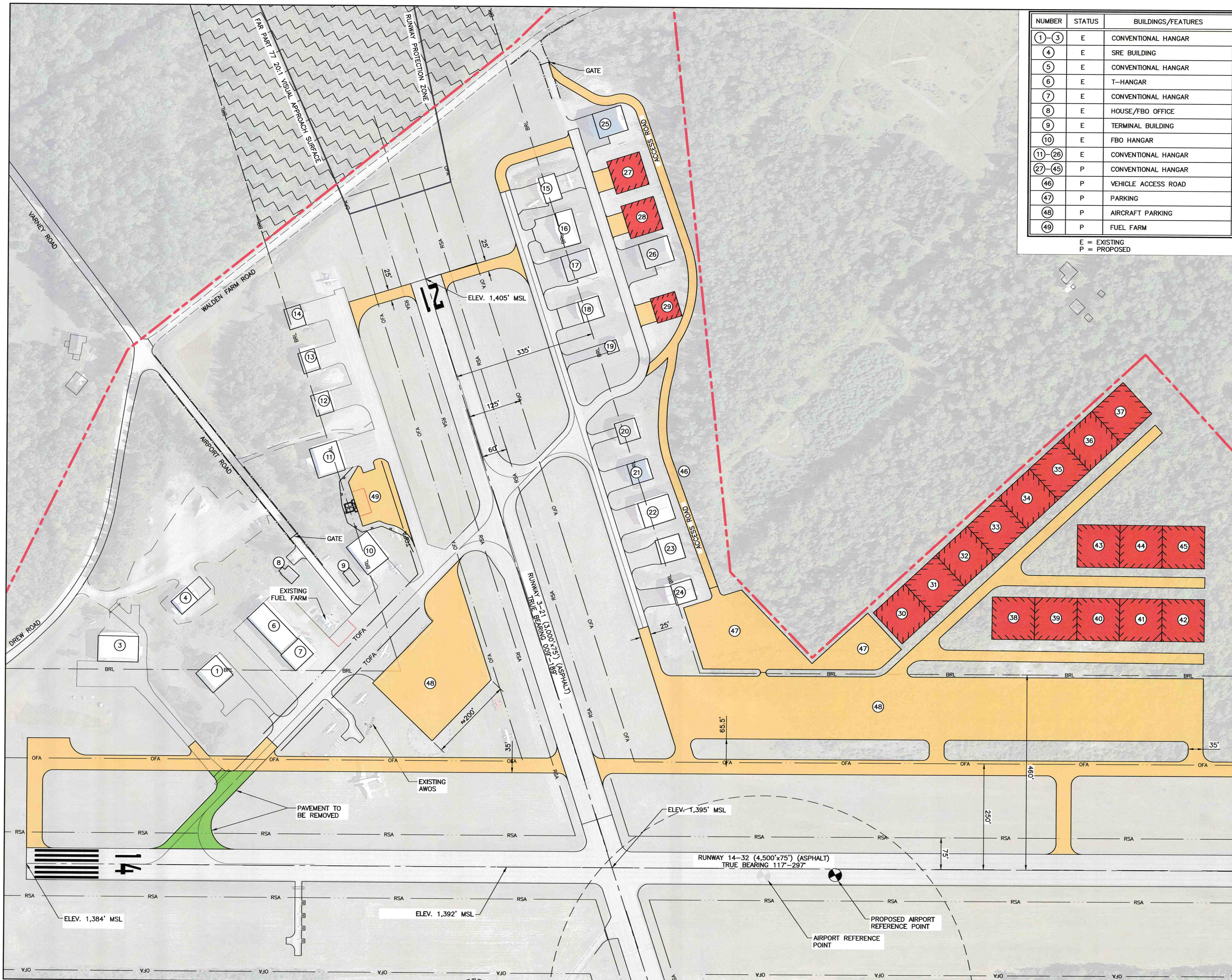
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 TERMINAL LAYOUT PLAN

Project No. 195210680 Scale AS NOTED

Figure No. 5 Revision 0

NUMBER	STATUS	BUILDINGS/FEATURES
1-3	E	CONVENTIONAL HANGAR
4	E	SRE BUILDING
5	E	CONVENTIONAL HANGAR
6	E	T-HANGAR
7	E	CONVENTIONAL HANGAR
8	E	HOUSE/FBO OFFICE
9	E	TERMINAL BUILDING
10	E	FBO HANGAR
11-26	E	CONVENTIONAL HANGAR
27-45	P	CONVENTIONAL HANGAR
46	P	VEHICLE ACCESS ROAD
47	P	PARKING
48	P	AIRCRAFT PARKING
49	P	FUEL FARM

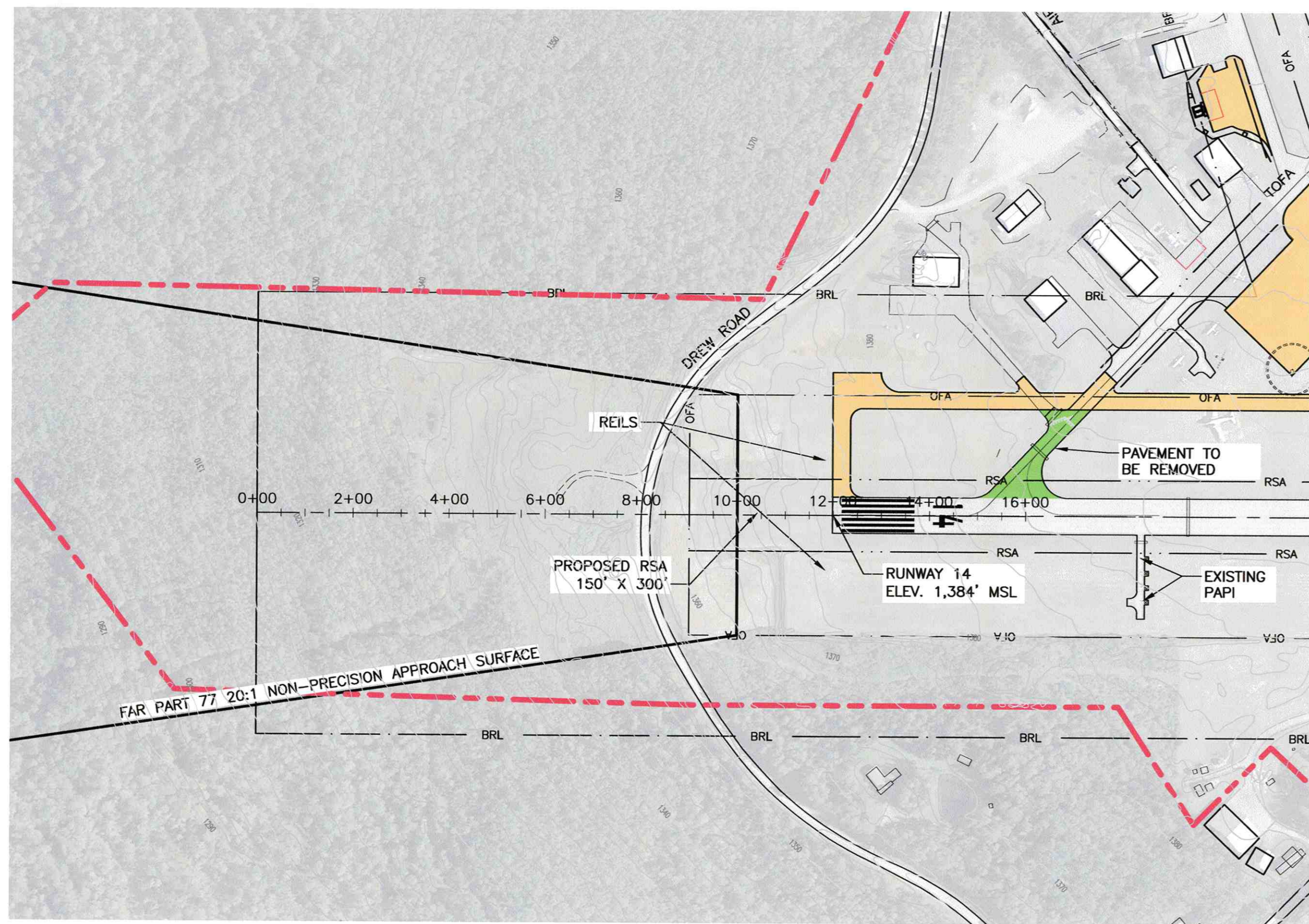
E = EXISTING  
 P = PROPOSED



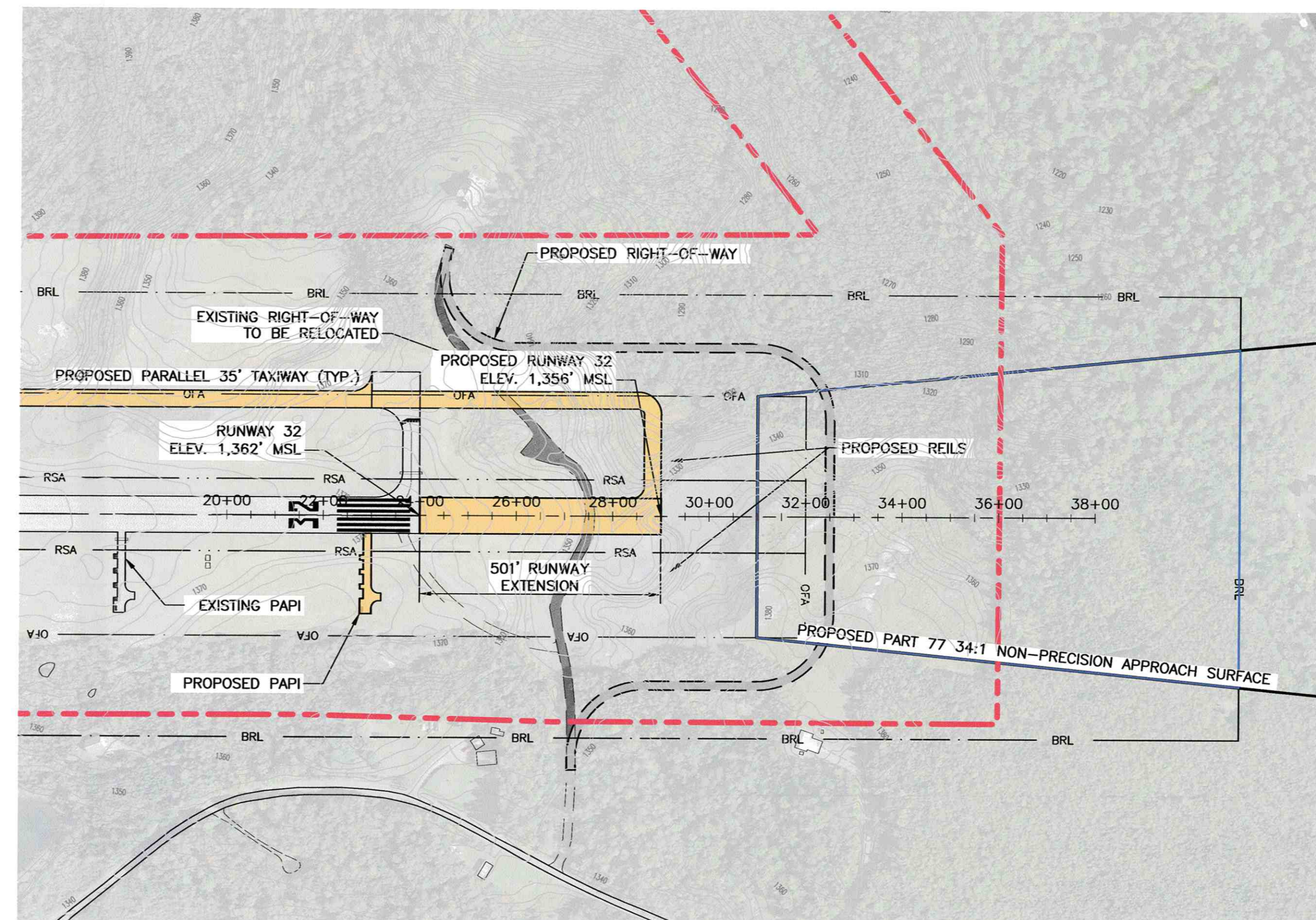
Consultants

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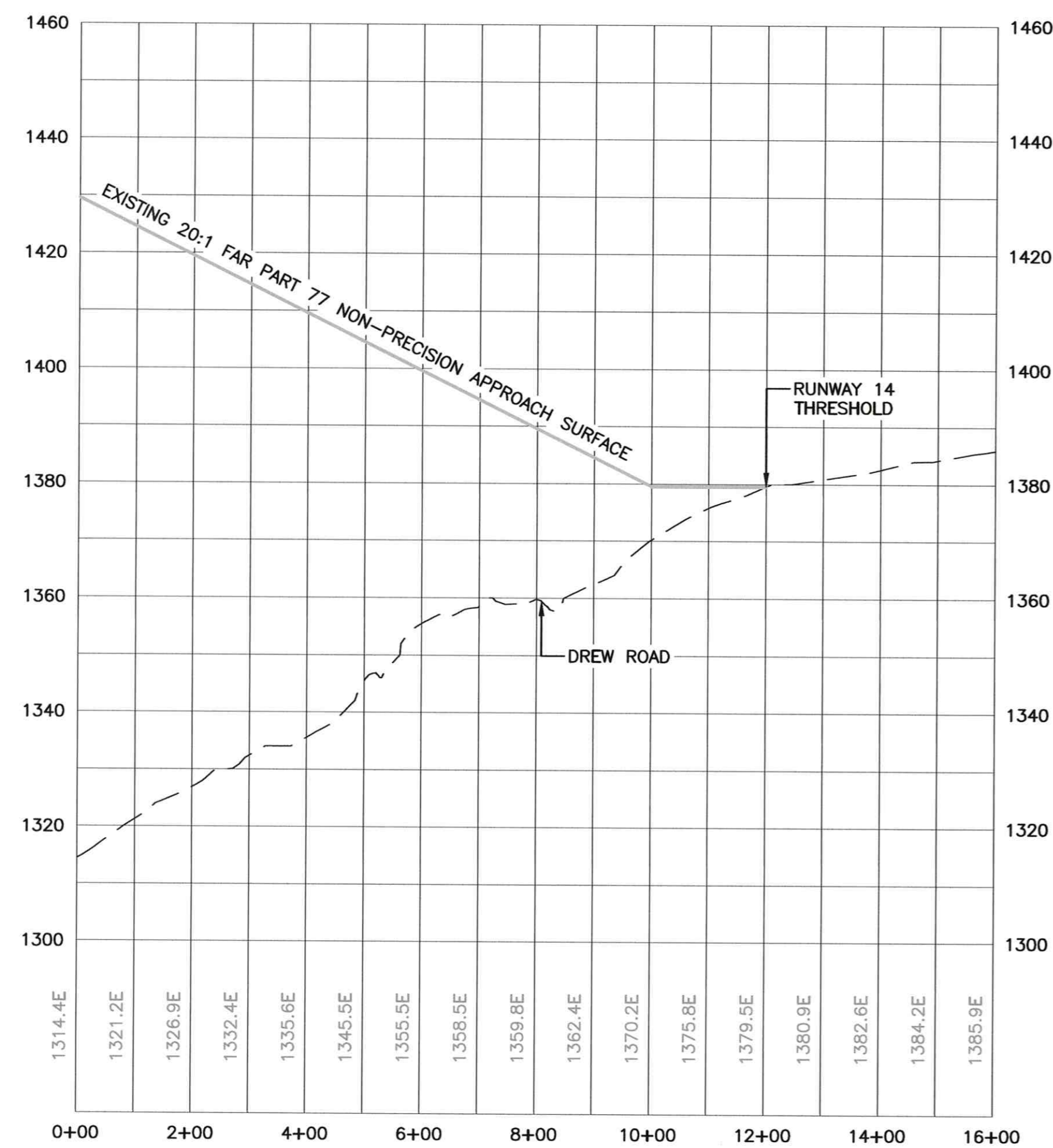
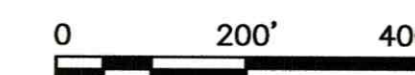
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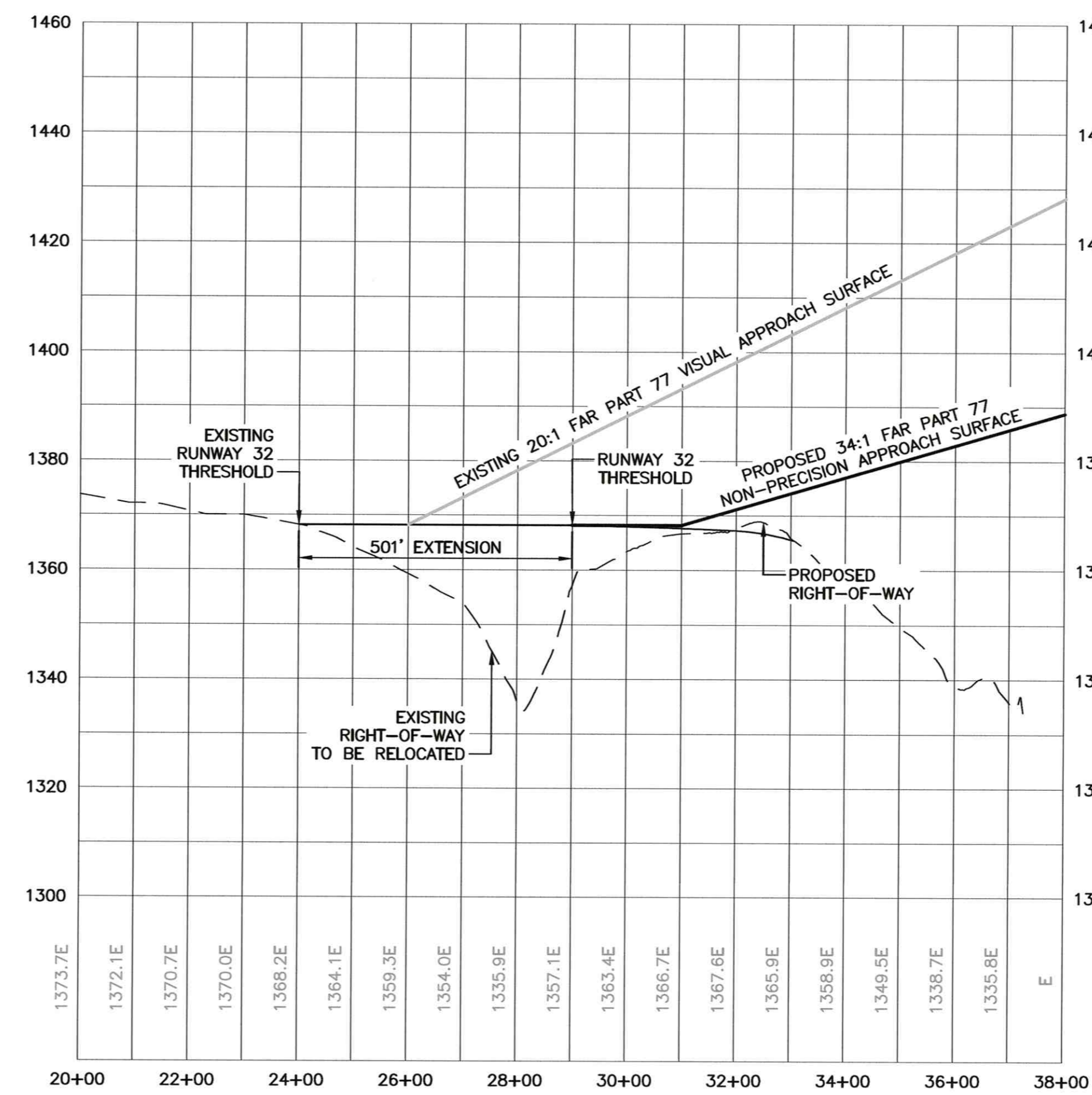
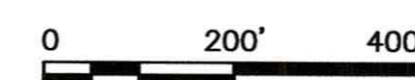
RUNWAY 14 END



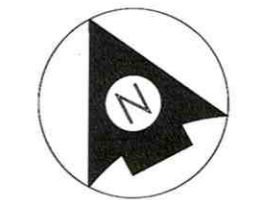
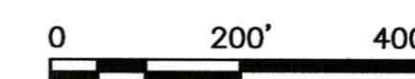
RUNWAY 32 END



RUNWAY 14 END



RUNWAY 32 END




Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

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		Dwn.	Chkd.	Dsgn.	YY.MM.DD

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Client/Project  
 GREENVILLE MUNICIPAL AIRPORT

MASTER PLAN UPDATE  
 GREENVILLE, MAINE

Title  
 RUNWAY 14-32  
 PLAN AND PROFILE

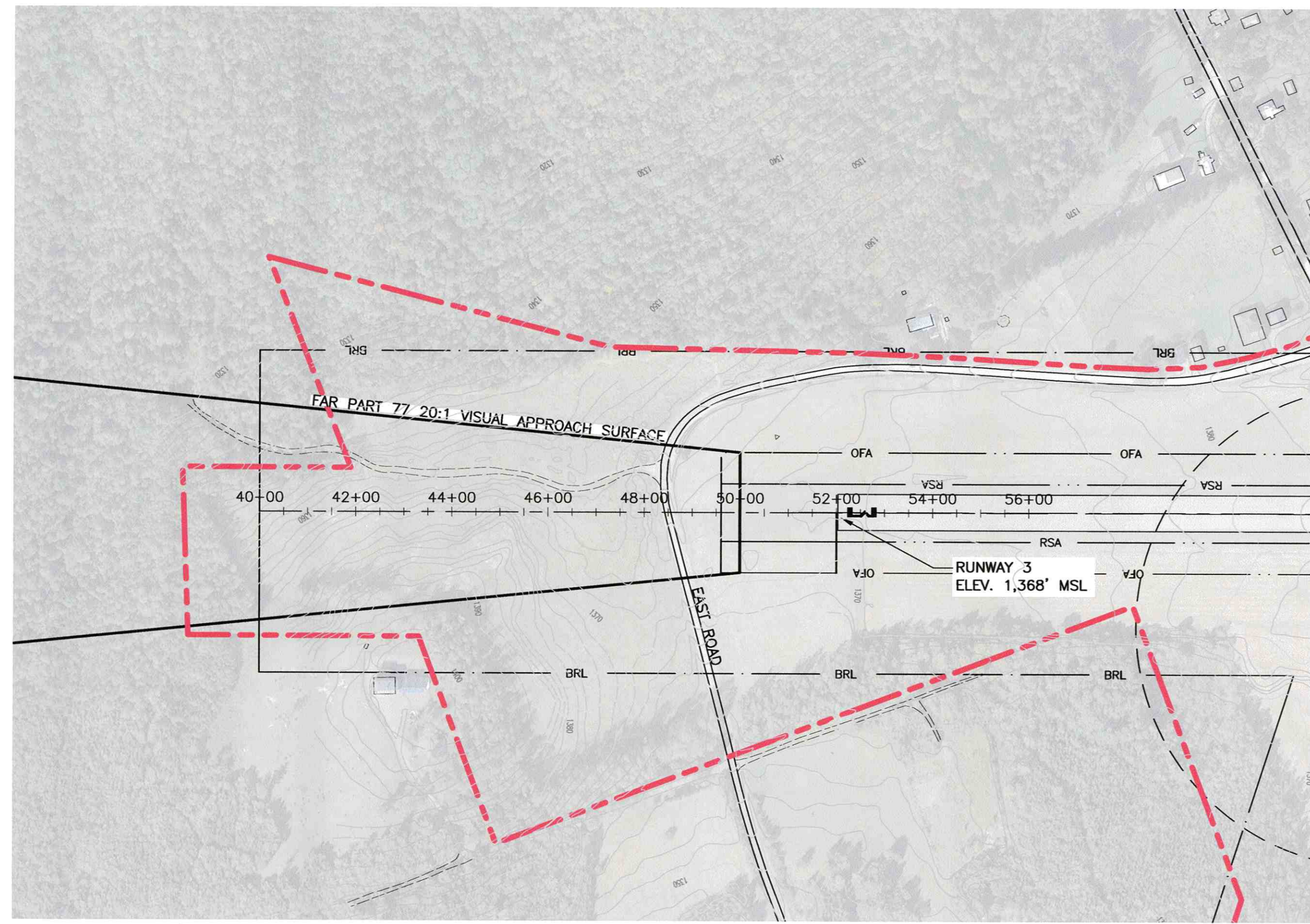
Project No. 195210680 Scale AS NOTED

Figure No. 6 Revision

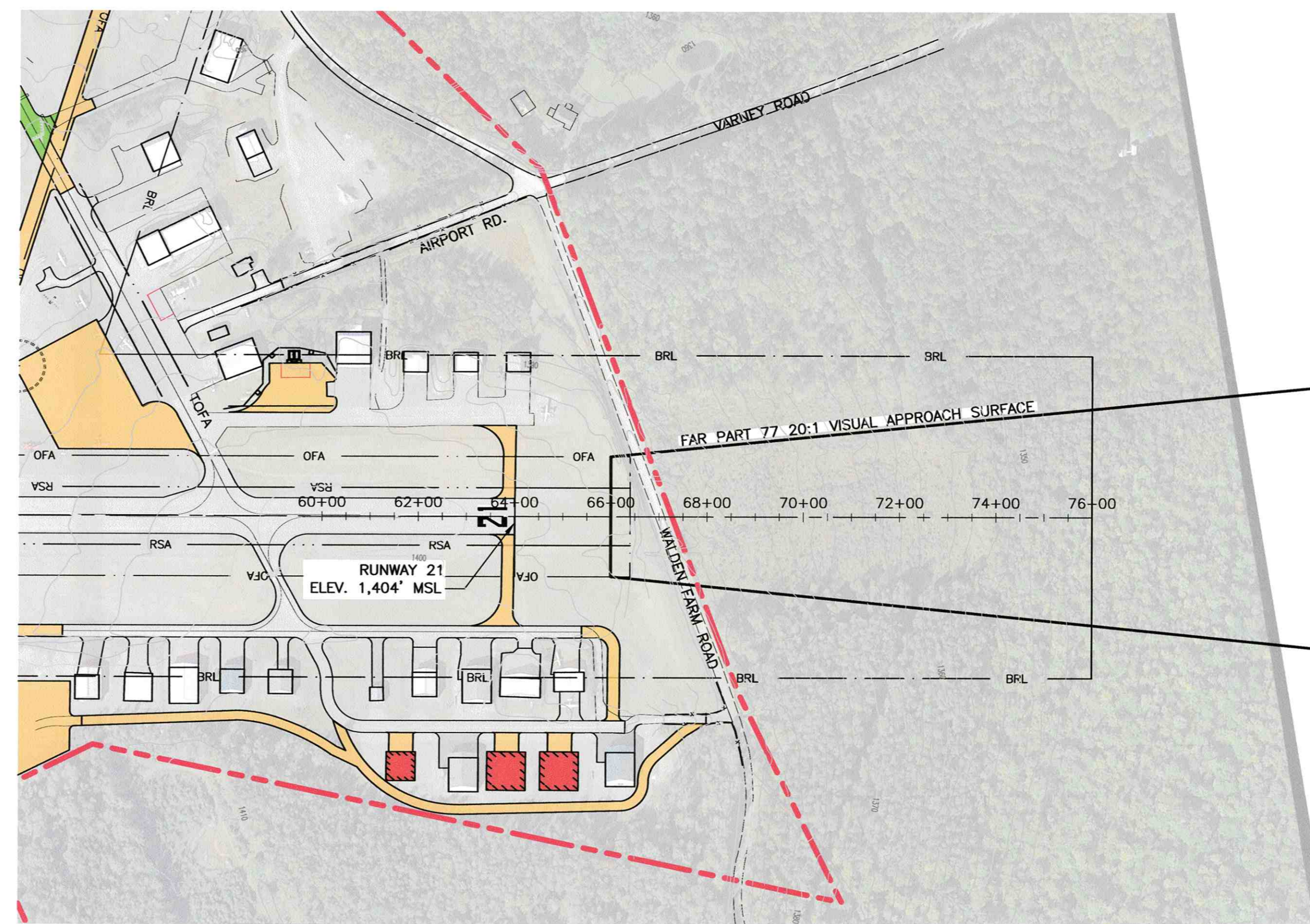
Consultants

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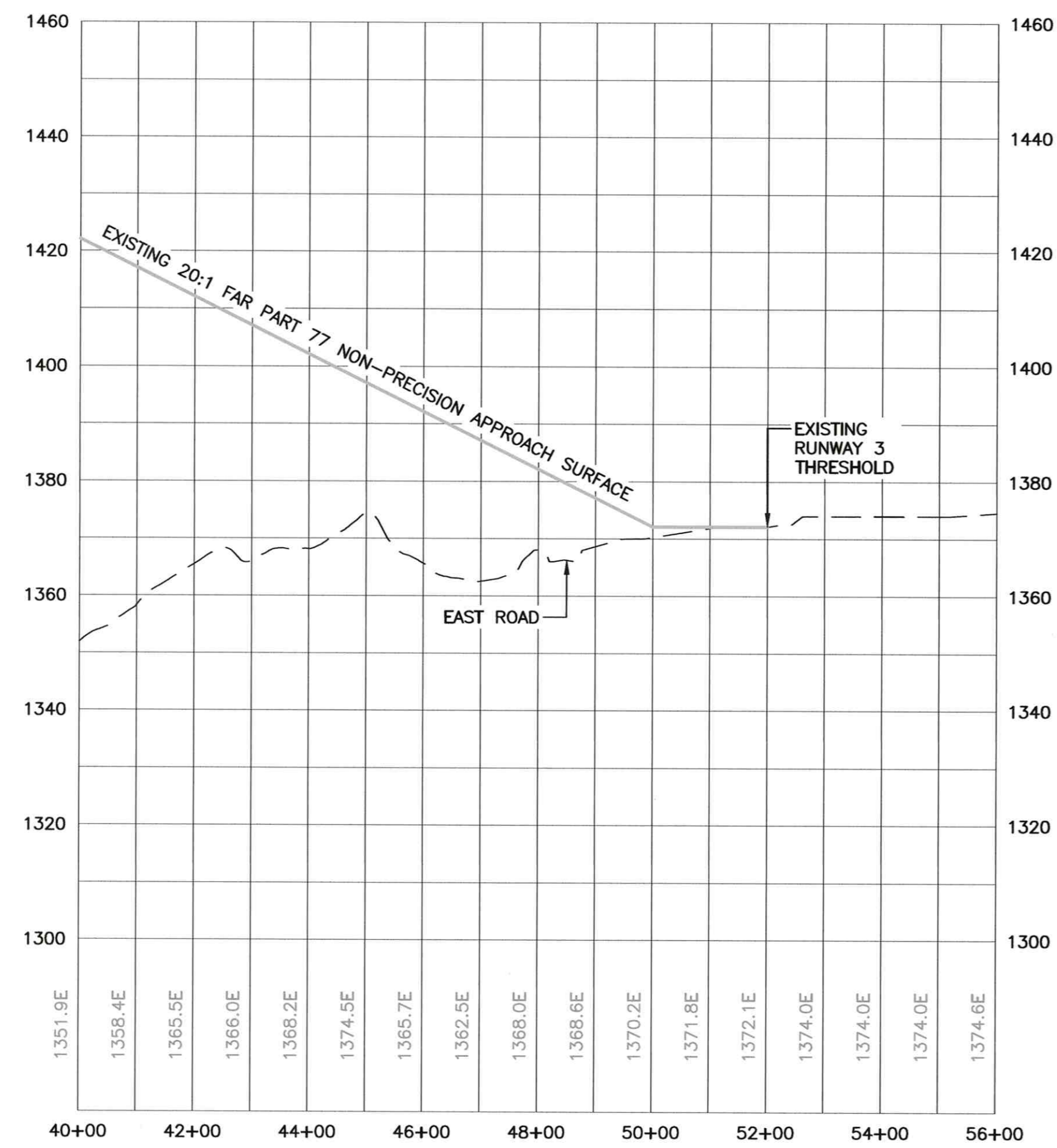
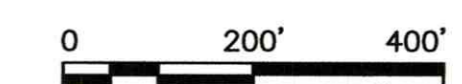
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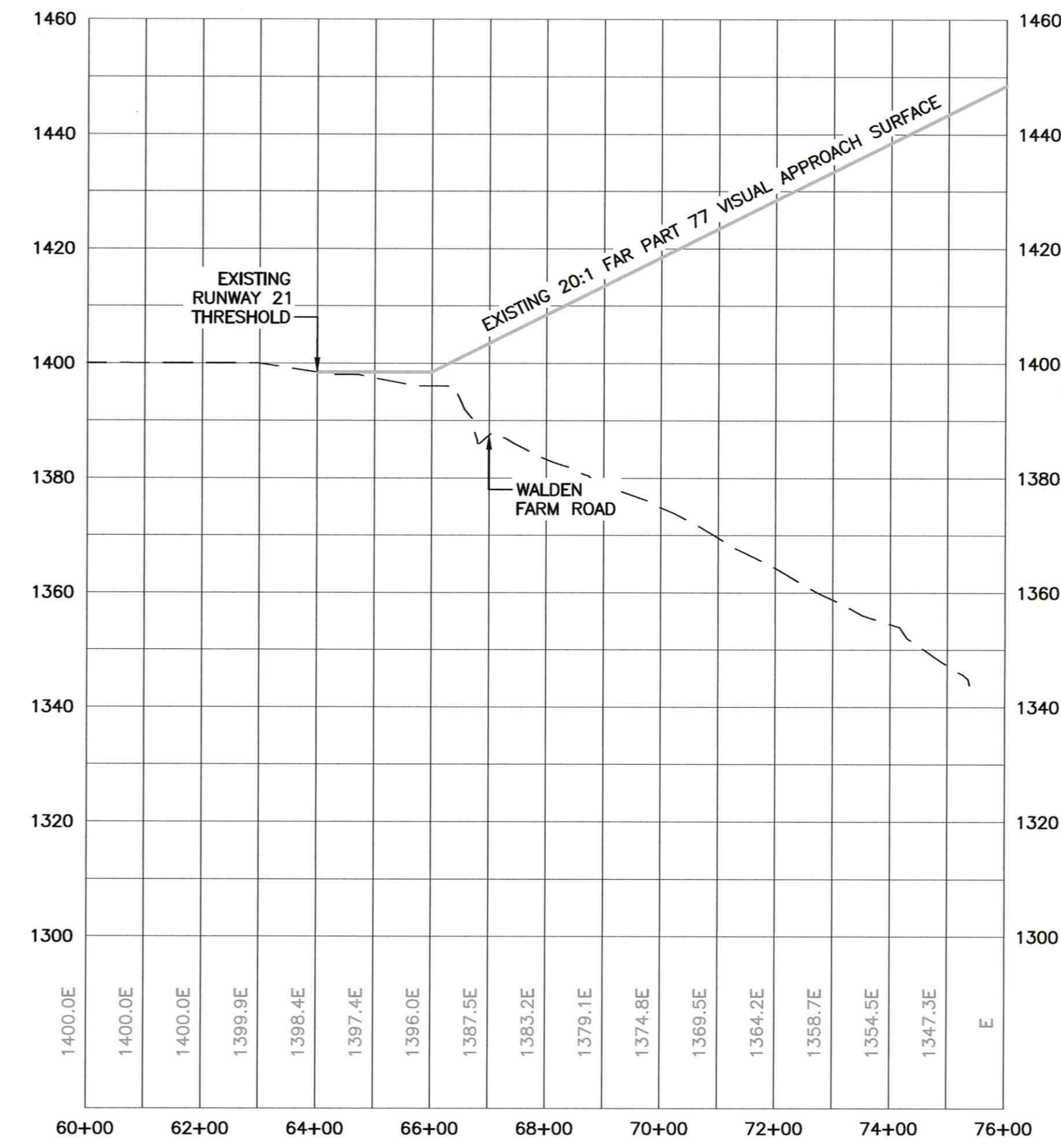
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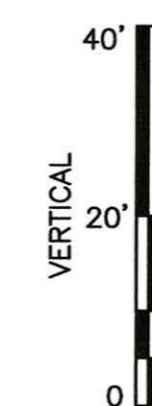
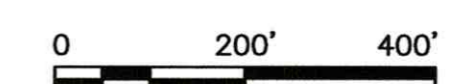
RUNWAY 21 END



RUNWAY 3 END



RUNWAY 21 END




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Issued	By	Appd.	YY.MM.DD

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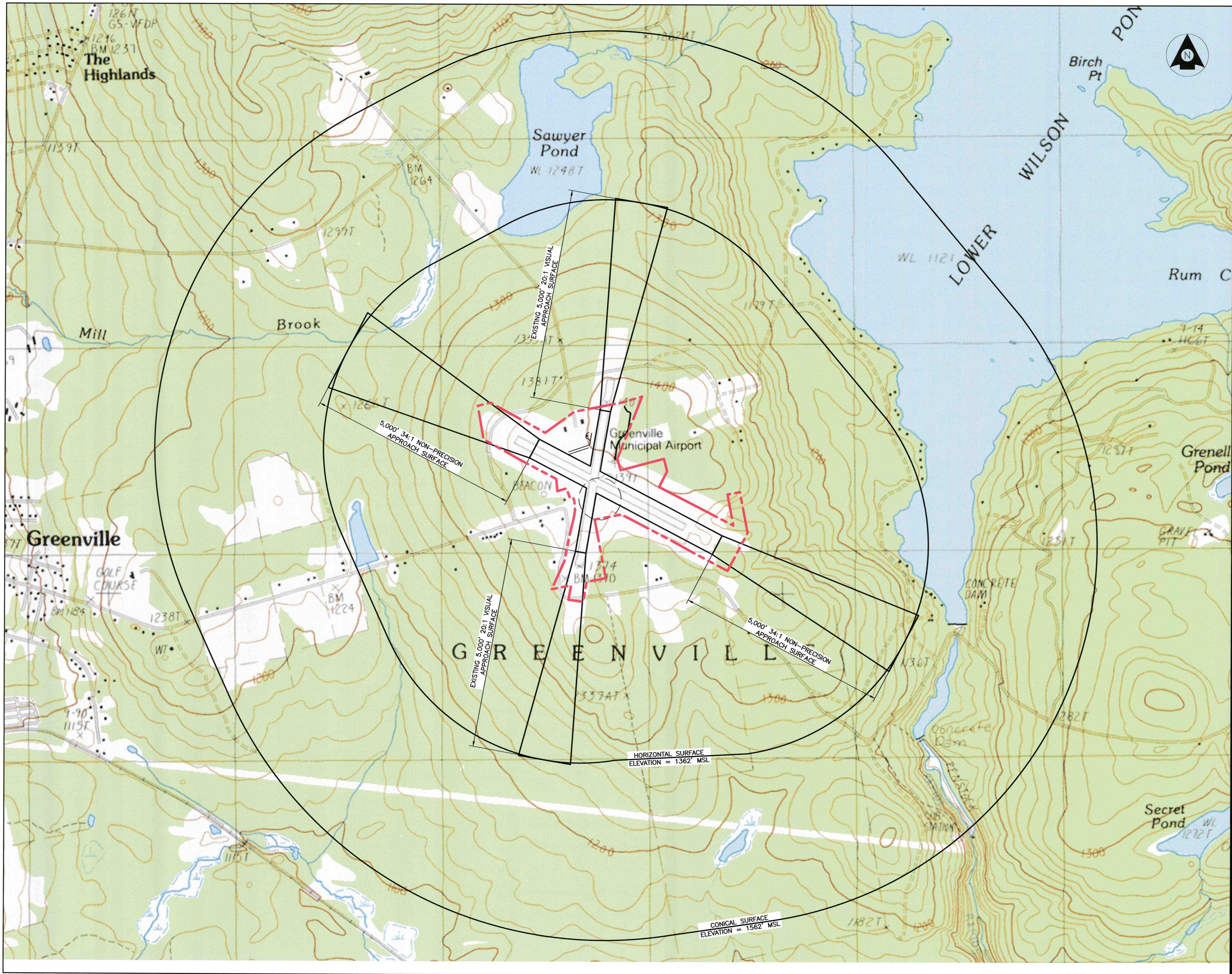
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 GREENVILLE MUNICIPAL AIRPORT

MASTER PLAN UPDATE  
 GREENVILLE, MAINE

Title  
**RUNWAY 3-21  
 PLAN AND PROFILE**

Project No. 195210680 Scale AS NOTED

Figure No. 7 Revision 0



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Notes

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	LRC	ECD	JAG	LS/BLM
shl_08_airspace_plan.dwg				
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Client/Project  
 GREENVILLE MUNICIPAL AIRPORT

MASTER PLAN UPDATE  
 GREENVILLE, MAINE

Title  
 AIRPORT AIRSPACE PLAN

Project No.	Scale
195210680	1" = 1000'

Figure No.	Revision
8	0



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Notes


Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

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 GREENVILLE MUNICIPAL AIRPORT

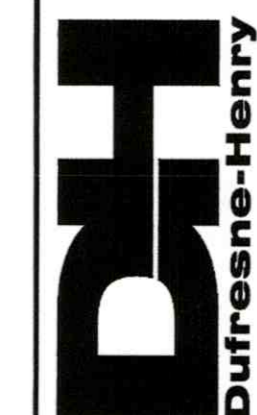
MASTER PLAN UPDATE  
 GREENVILLE, MAINE

Title  
 LAND USE PLAN

Project No.	Scale
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Figure No.	Revision
9	0



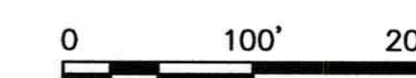
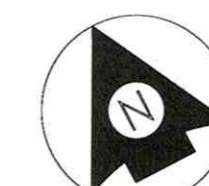


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www.dufresne-henry.com

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Revision By Appd. YY.MM.DD

Issued By Appd. YY.MM.DD

File Name: sht\_10\_property.pln.dwg 11.12.13

Permit-Scale Dwn. Chkd. Dsgn. YY.MM.DD

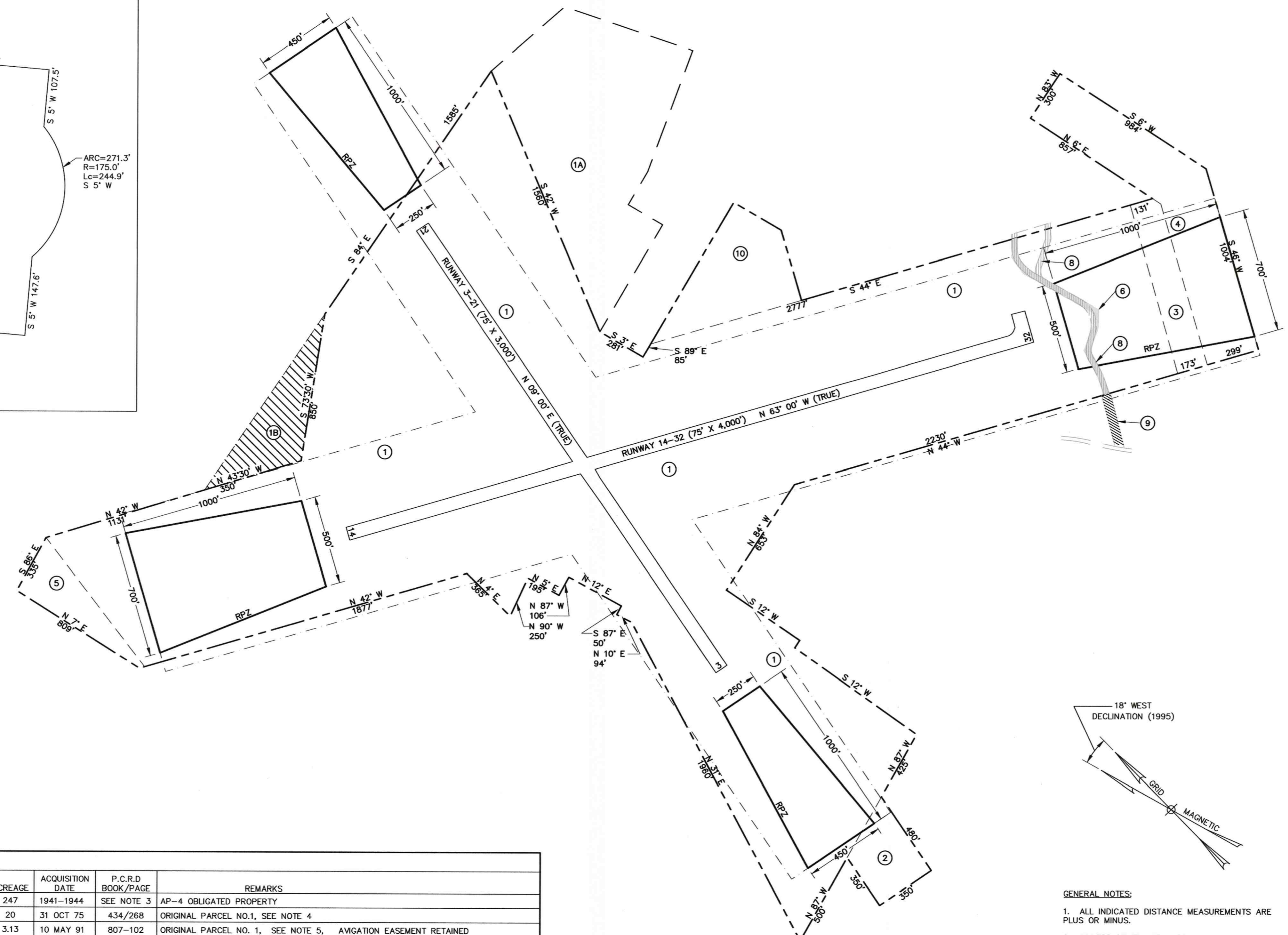
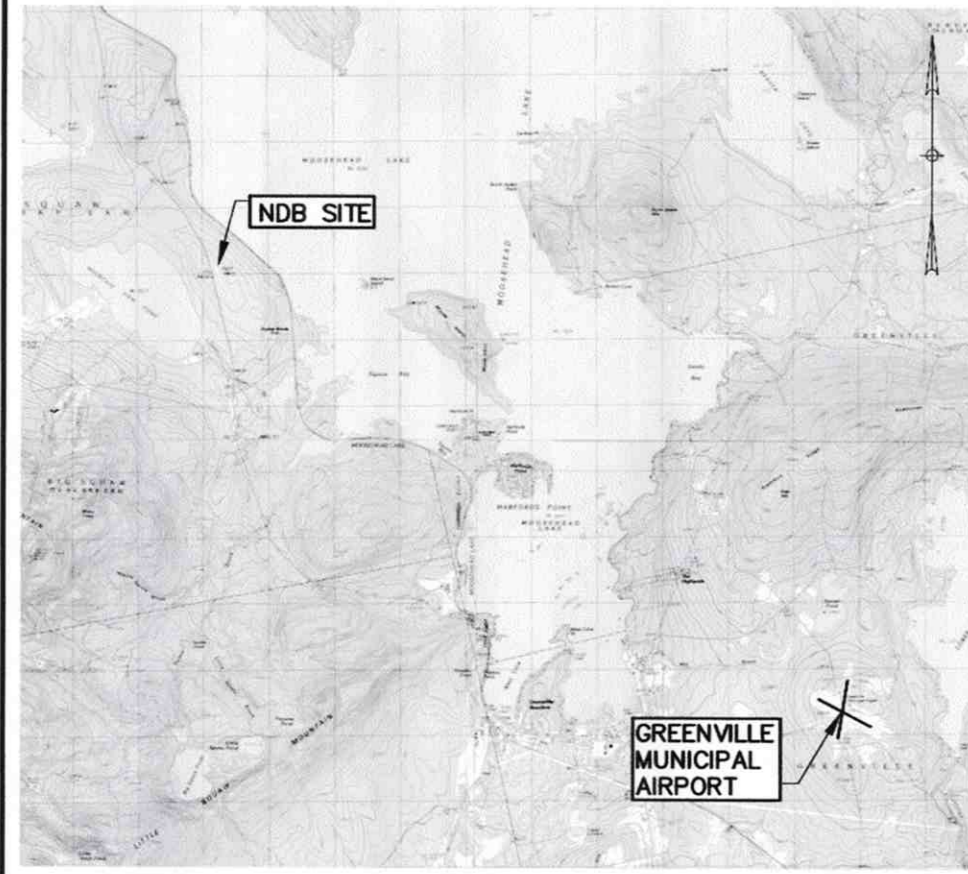
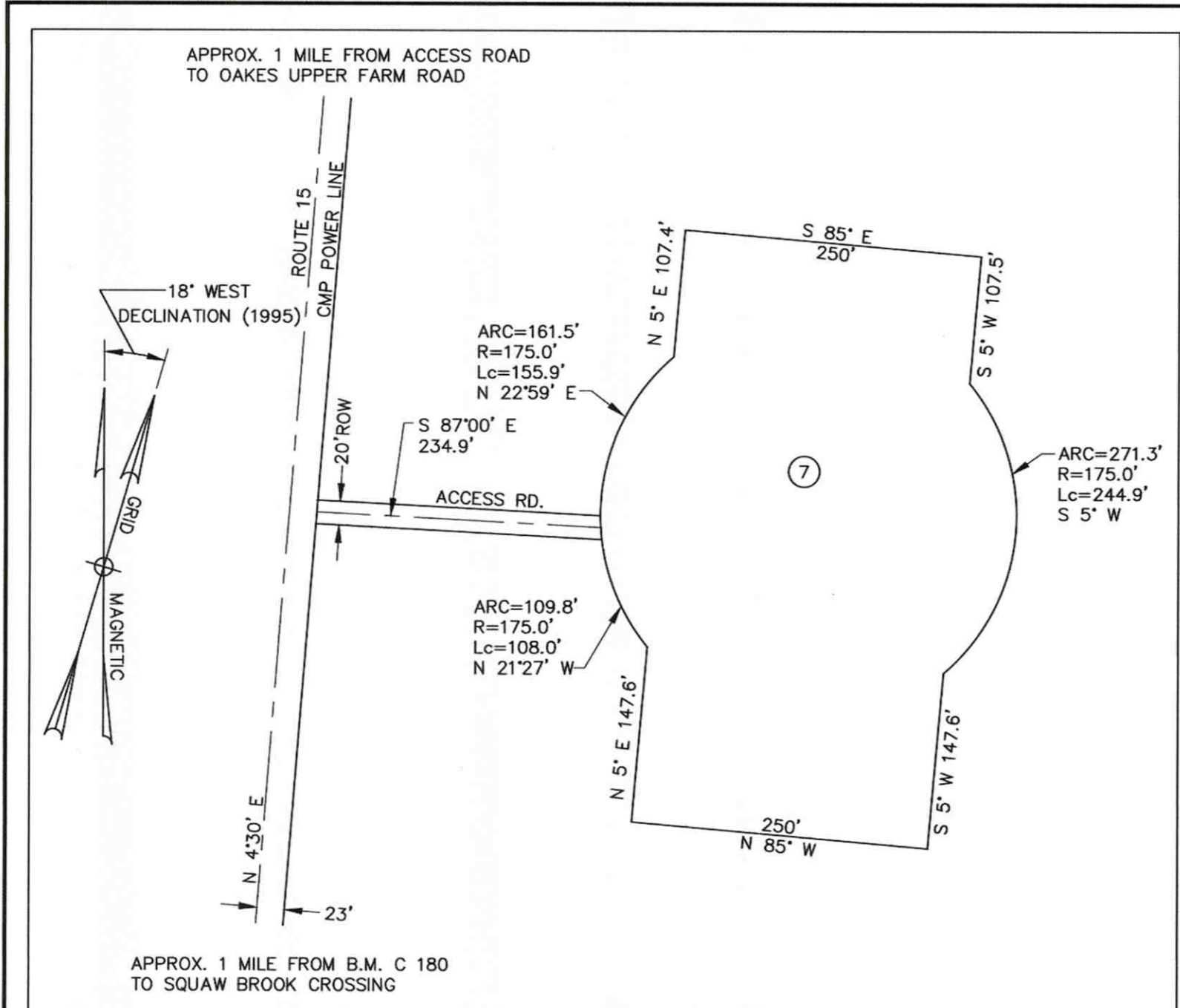
Client/Project  
GREENVILLE MUNICIPAL AIRPORT

MASTER PLAN UPDATE  
GREENVILLE, MAINE

Title  
PROPERTY MAP

Project No. 195210680 Scale AS NOTED

Figure No. Revision

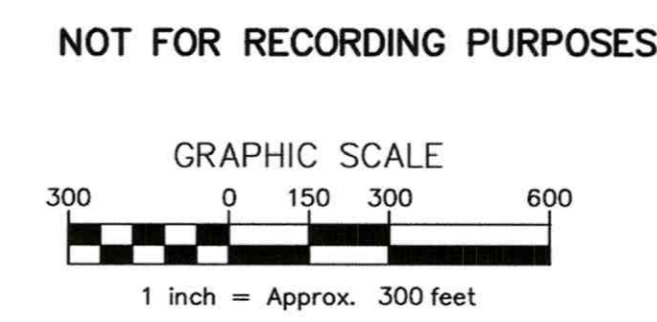


PARCEL NO.	GRANTOR	GRANTEE	INSTRUMENT	ACREAGE	ACQUISITION DATE	P.C.R.D BOOK/PAGE	REMARKS
1	O.C. ROWE ET. AL.	TOWN OF GREENVILLE	FEE	247	1941-1944	SEE NOTE 3	AP-4 OBLIGATED PROPERTY
1A	TOWN OF GREENVILLE	H.G. WALDEN	FEE	20	31 OCT 75	434/268	ORIGINAL PARCEL NO.1, SEE NOTE 4
1B	TOWN OF GREENVILLE	C.H. AND B.M. CASE	FEE SIMPLE	3.13	10 MAY 91	807-102	ORIGINAL PARCEL NO. 1, SEE NOTE 5, AVIGATION EASEMENT RETAINED
2	GREAT NORTHERN PAPER CO.	TOWN OF GREENVILLE	FEE SIMPLE	3.33	17 DEC 43	273-22	
3	W. GIVEN	TOWN OF GREENVILLE	FEE SIMPLE	3.8	22 NOV 89	752-94	AIP 3-23-0023-04
4	C. ROWE	TOWN OF GREENVILLE	FEE SIMPLE	12.8	19 JAN 90	756-105	AIP 3-23-0023-04
5	C.H. AND B.M. CASE	TOWN OF GREENVILLE	FEE SIMPLE	3.1	28 JUNE 90	807-105	
6	TOWN OF GREENVILLE	K.L. AND J.A. TURNER	EASEMENT	0.80	7 FEB 96	1019-351	VEHICLE ACCESS EASEMENT, AVIGATION EASEMENT RETAINED
7	L. OAKS TRUST	TOWN OF GREENVILLE	LEASE	3.3	1 JUNE 90	-	NBD SITE ON LEASED PROPERTY
8	TOWN OF GREENVILLE	K.L. AND J.A. TURNER	EASEMENT	1.0	-	-	PROPOSED RIGHT OF WAY EASEMENT
9	K.L. AND J.A. TURNER	TOWN OF GREENVILLE	EASEMENT	0.33	-	-	PROPOSED RIGHT OF WAY EASEMENT
10	ERIC P. AND JENNY L. WARD	TOWN OF GREENVILLE	FEE SIMPLE	7.64	21 OCT 2011	2134-5996	AIP 3-23-0023-15-2011

NOTES:  
1. ALL BOOK AND PAGE NUMBERS REFER TO RECORDINGS IN THE PISCATAQUIS COUNTY REGISTRY OF DEEDS, DOVER-FOXCROFT, MAINE.  
2. ACREAGE AMOUNTS WERE TAKEN FROM CITED DEED IF GIVEN THEREIN; OTHERWISE THESE WERE CALCULATED FROM THE PROPERTY DESCRIPTION, OR IF NECESSARY, PLANIMETERED FROM THIS MAP.  
3. SEE DEEDS AT 272/162, 272/163, 272/164, 272/165, 272/166, 272/167, 272/168, 272/169, 272/170, 272/40, 269/319  
4. SINCE PARCEL 1A WAS NEVER USED FOR AIRPORT PURPOSES, IT WAS RELEASED BACK TO THE GRANTOR BY THE TOWN OF GREENVILLE BY QUITCLAIM DEED RECORDED AT 434-268, DATED 31 OCTOBER 1975.  
5. AVIGATION AND HAZARD EASEMENT OVER THIS PARCEL WAS GRANTED TO THE TOWN BY DEED RECORDED AT 807-108, DATED 2 NOVEMBER 1990.

ITEM	EXISTING
AIRPORT PROPERTY	---
FORMER AIRPORT PROPERTY LINE	---
PARCEL BOUNDARY	---
RUNWAY PROTECTION ZONE (RPZ)	---
BUILDING RESTRICTION LINE (BRL)	---
EASEMENTS TO TOWN	---
EASEMENTS FROM TOWN	---

GENERAL NOTES:  
1. ALL INDICATED DISTANCE MEASUREMENTS ARE PLUS OR MINUS.  
2. UNLESS OTHERWISE NOTED, ALL BEARINGS SHOWN WERE TAKEN FROM DEED DESCRIPTIONS OR PLANS PREVIOUSLY PREPARED BY OTHERS AND ARE ASSUMED TO BE MAGNETIC, WITH DECLINATIONS EQUIVALENT TO THOSE THAT EXISTED ON THE DATE OF ACQUISITION.





Federal Aviation Administration

May 24, 2016

TO: Town of Greenville
Attn: Jack Hart
7 Mindon Street
Greenville, ME 04441
CEO@GreenvilleME.com

CC: TOWN OF GREENVILLE
TOWN OFFICE BUILDING
GREENVILLE, ME 04441
CEO@GreenvilleME.com

RE: (See attached Table 1 for referenced case(s))
ALP 7460 No Objection Letter
\*\*FINAL DETERMINATION\*\*

Table 1 - Letter Referenced Case(s)

Table with 7 columns: ASN, Prior ASN, Location, Latitude (NAD83), Longitude (NAD83), AGL (Feet), AMSL (Feet). Row 1: 2016-ANE-58-NRA, GREENVILLE, ME, 45-27-46.20N, 69-33-05.94W, 1, 1402

Description: Proposed airport layout plan

The proposed change to your currently approved Airport Layout Plan (ALP) submitted, has been reviewed under the authority of Part 77 and under the requirements of the Terms and Conditions of Accepting Airport Improvement Program Grants dated September 1, 1999. This review has considered the safety and utility of aircraft operations and planned navigational aids as related to this proposal.

The proposed extension of Runway 14-32 is not justified for federal funding at this time. The extension has been added to the FAA'S National Airspace System Resource (NASR) database in order to establish the required Part 77 surfaces for obstruction evaluation.

The Town is urged to assist owners of the residence with access through airport property to develop an off airport right of way to a public road.

It should be noted that this study did not consider the height of construction equipment. This information needs to be coordinated with this office via an "Airspace Study Checklist" before construction begins.

This study did not evaluate the plans for operational safety during construction. Those plans should be submitted to this office for coordination and review prior to construction.

This determination does not include any environmental analysis or environmental approval for this proposal. All local and state requirements and/or permits must be obtained to prior to construction of this proposal.

This determination does not include approval of any lease, does not release any surplus or grant agreement acquired airport property, nor does it relieve the airport owner or the proponent of compliance with Part 155, or any other law, ordinance, or regulation of federal, state, or local government body or organization. Furthermore,