AIRPORT MASTER PLAN UPDATE

GREENVILLE MUNICIPAL AIRPORT
GREENVILLE, MAINE

A.I.P. NO. 3-23-0049-07
23 6

APRIL 2001

LOCATION MAP

VICINITY MAP

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1	COVER PAGE
2	EXISTING FACILITIES PLAN
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8	LAND–USE PLAN

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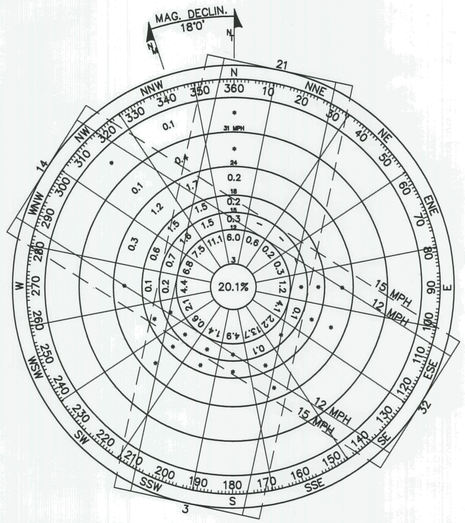

LOCATION: GREENVILLE, ME., RECORDING STATION #14614
PERIOD: JANUARY, 1970 TO DECEMBER, 1974 – 5–6 DAILY OBSERVATIONS; 8,360 TOTAL
SOURCE: U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA

WIND COVERAGE
CALMS (0–3 MPH) = 20.7%
WIND COVERAGE
R/W 03–21 = 94.8%
R/W 14–32 = 96.5%
COMBINED = 99.5%

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RUNWAY DATA	RUNWAY 14–32	RUNWAY 03–21
PAVEMENT STRENGTH	30,000 LBS. SINGLE WHEEL	12,500 LBS. SINGLE WHEEL
APPROACH SURFACES	R/W 14: 20:1 NP R/W 32: 20:1 VISUAL	R/W 03: 20:1 VISUAL R/W 21: 20:1 VISUAL
RUNWAY MARKINGS	NON–PRECISION	VISUAL
RUNWAY LIGHTING	MIRLS	LIRLS
RUNWAY NAVAIDS	R/W 14: PAPI – 4R R/W 32: VASI – 4L	NONE
RSA DIMENSIONS	120' X 4,480'	120' X 3,480'
EFFECTIVE GRADIENT	0.28%	0.73%
RUNWAY END ELEVATIONS	R/W 14: 1379' MSL R/W 32: 1368' MSL	R/W 03: 1374' MSL R/W 21: 1396' MSL
RUNWAY END COORDINATES	R/W 14: 44° 18' 54" 78° 43' 25" R/W 32: 44° 18' 39" 78° 42' 34"	R/W 03: 44° 18' 36" 78° 43' 9" R/W 21: 44° 19' 5" 78° 43' 6"

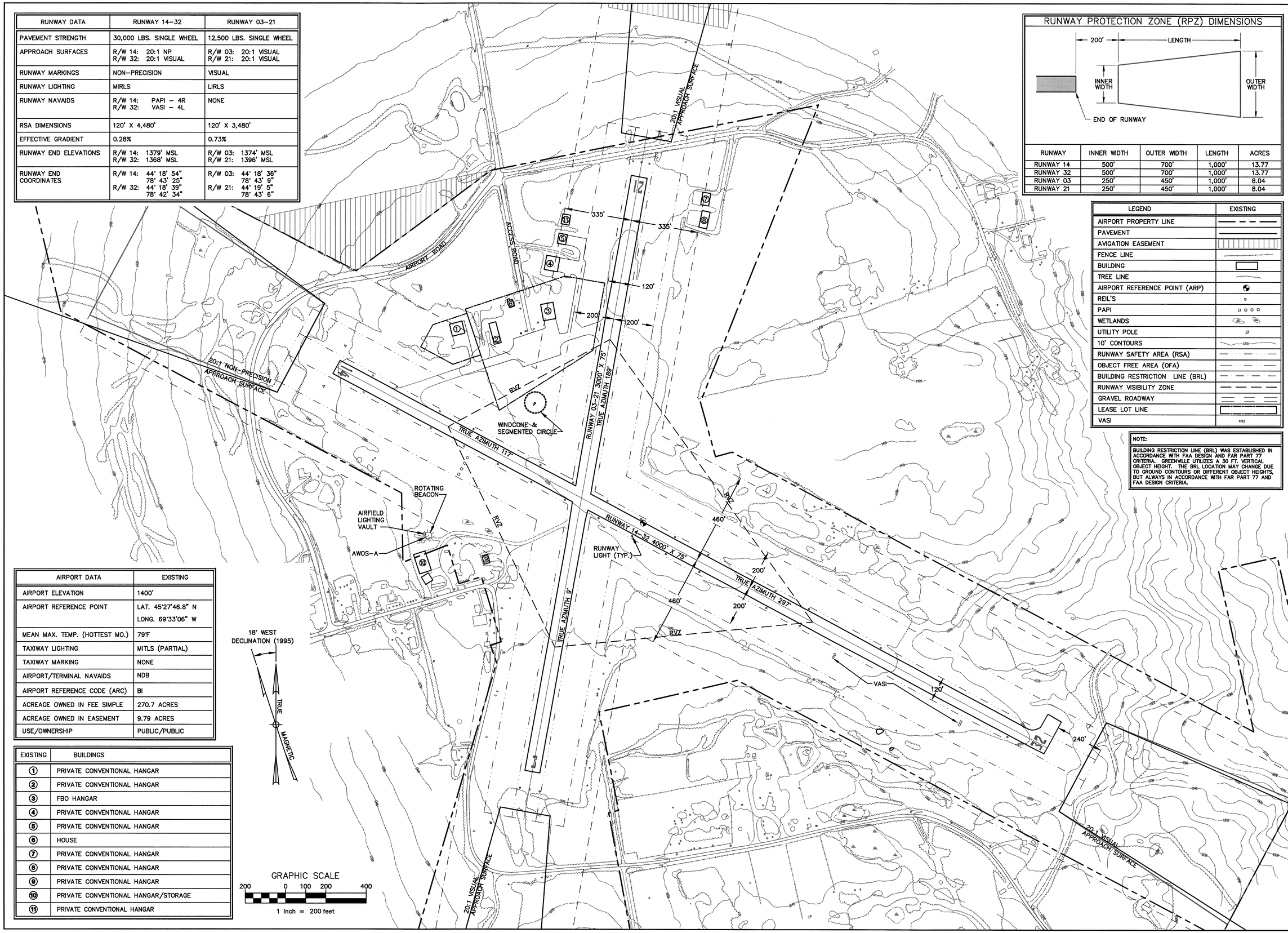
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS

RUNWAY	INNER WIDTH	OUTER WIDTH	LENGTH	ACRES
RUNWAY 14	500'	700'	1,000'	13.77
RUNWAY 32	500'	700'	1,000'	13.77
RUNWAY 03	250'	450'	1,000'	8.04
RUNWAY 21	250'	450'	1,000'	8.04

LEGEND	EXISTING
AIRPORT PROPERTY LINE	
PAVEMENT	
AVIGATION EASEMENT	
FENCE LINE	
BUILDING	
TREE LINE	
AIRPORT REFERENCE POINT (ARP)	
REIL'S	
PAPI	
WETLANDS	
UTILITY POLE	
10' CONTOURS	
RUNWAY SAFETY AREA (RSA)	
OBJECT FREE AREA (OFA)	
BUILDING RESTRICTION LINE (BRL)	
RUNWAY VISIBILITY ZONE	
GRAVEL ROADWAY	
LEASE LOT LINE	
VASI	

NOTE:

BUILDING RESTRICTION LINE (BRL) WAS ESTABLISHED IN ACCORDANCE WITH FAA DESIGN AND FAR PART 77 CRITERIA. GREENVILLE UTILIZES A 30 FT. VERTICAL OBJECT HEIGHT. THE BRL LOCATION MAY CHANGE DUE TO GROUND CONTOURS OR DIFFERENT OBJECT HEIGHTS, BUT ALWAYS IN ACCORDANCE WITH FAR PART 77 AND FAA DESIGN CRITERIA.



AIRPORT DATA	EXISTING
AIRPORT ELEVATION	1400'
AIRPORT REFERENCE POINT	LAT. 45°27'46.8" N LONG. 69°33'06" W
MEAN MAX. TEMP. (HOTTEST MO.)	79°F
TAXIWAY LIGHTING	MITLS (PARTIAL)
TAXIWAY MARKING	NONE
AIRPORT/TERMINAL NAVAIDS	NDB
AIRPORT REFERENCE CODE (ARC)	BI
ACREAGE OWNED IN FEE SIMPLE	270.7 ACRES
ACREAGE OWNED IN EASEMENT	9.79 ACRES
USE/OWNERSHIP	PUBLIC/PUBLIC

EXISTING	BUILDINGS
1	PRIVATE CONVENTIONAL HANGAR
2	PRIVATE CONVENTIONAL HANGAR
3	FBO HANGAR
4	PRIVATE CONVENTIONAL HANGAR
5	PRIVATE CONVENTIONAL HANGAR
6	HOUSE
7	PRIVATE CONVENTIONAL HANGAR
8	PRIVATE CONVENTIONAL HANGAR
9	PRIVATE CONVENTIONAL HANGAR
10	PRIVATE CONVENTIONAL HANGAR/STORAGE
11	PRIVATE CONVENTIONAL HANGAR

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MAINE

GREENVILLE MUNICIPAL AIRPORT
A.I.P. NO. 3-23-0049-07

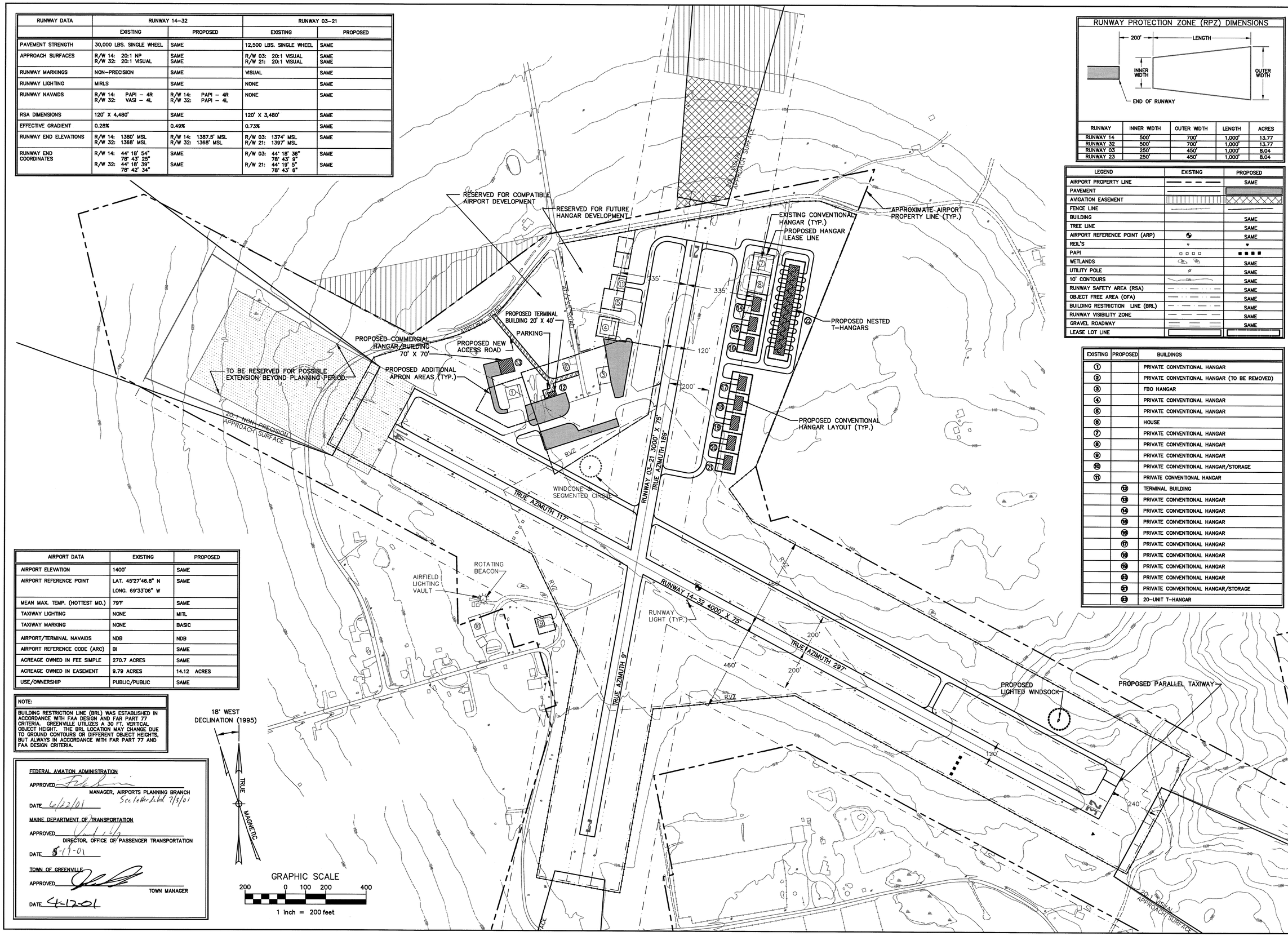
EXISTING FACILITIES PLAN

GREENVILLE

Project No.	8180.054.01
Proj. Manager	JW
Proj. Designer	ECD
Drawn By	MRS/CM
Checked By	JW
Scale	1"=200'
Approved	DCD
Date	11/29/00

D

RUNWAY DATA	RUNWAY 14–32		RUNWAY 03–21	
	EXISTING	PROPOSED	EXISTING	PROPOSED
PAVEMENT STRENGTH	30,000 LBS. SINGLE WHEEL	SAME	12,500 LBS. SINGLE WHEEL	SAME
APPROACH SURFACES	R/W 14: 20:1 NP R/W 32: 20:1 VISUAL	SAME SAME	R/W 03: 20:1 VISUAL R/W 21: 20:1 VISUAL	SAME SAME
RUNWAY MARKINGS	NON–PRECISION	SAME	VISUAL	SAME
RUNWAY LIGHTING	MIRLS	SAME	NONE	SAME
RUNWAY NAVAIDS	R/W 14: PAPI – 4R R/W 32: VASI – 4L	R/W 14: PAPI – 4R R/W 32: PAPI – 4L	NONE	SAME
RSA DIMENSIONS	120' X 4,480'	SAME	120' X 3,480'	SAME
EFFECTIVE GRADIENT	0.28%	0.49%	0.73%	SAME
RUNWAY END ELEVATIONS	R/W 14: 1380' MSL R/W 32: 1368' MSL	R/W 14: 1387.5' MSL R/W 32: 1368' MSL	R/W 03: 1374' MSL R/W 21: 1397' MSL	SAME
RUNWAY END COORDINATES	R/W 14: 44° 18' 54" 78° 43' 25" R/W 32: 44° 18' 39" 78° 42' 34"	SAME SAME	R/W 03: 44° 18' 36" 78° 43' 9" R/W 21: 44° 19' 5" 78° 43' 6"	SAME SAME



AIRPORT DATA	EXISTING	PROPOSED
AIRPORT ELEVATION	1400'	SAME
AIRPORT REFERENCE POINT	LAT. 45°27'46.8" N LONG. 69°33'06" W	SAME
MEAN MAX. TEMP. (HOTTEST MO.)	79°F	SAME
TAXIWAY LIGHTING	NONE	MITL
TAXIWAY MARKING	NONE	BASIC
AIRPORT/TERMINAL NAVAIDS	NDB	NDB
AIRPORT REFERENCE CODE (ARC)	BI	SAME
ACREAGE OWNED IN FEE SIMPLE	270.7 ACRES	SAME
ACREAGE OWNED IN EASEMENT	9.79 ACRES	14.12 ACRES
USE/OWNERSHIP	PUBLIC/PUBLIC	SAME

NOTE:

BUILDING RESTRICTION LINE (BRL) WAS ESTABLISHED IN ACCORDANCE WITH FAA DESIGN AND FAR PART 77 CRITERIA. GREENVILLE UTILIZES A 30 FT. VERTICAL OBJECT HEIGHT. THE BRL LOCATION MAY CHANGE DUE TO GROUND CONTOURS OR DIFFERENT OBJECT HEIGHTS, BUT ALWAYS IN ACCORDANCE WITH FAR PART 77 AND FAA DESIGN CRITERIA.

FEDERAL AVIATION ADMINISTRATION

APPROVED _____ MANAGER, AIRPORTS PLANNING BRANCH

DATE 6/22/01 See letter dated 7/3/01

MAINE DEPARTMENT OF TRANSPORTATION

APPROVED _____ DIRECTOR, OFFICE OF PASSENGER TRANSPORTATION

DATE 5-17-01

TOWN OF GREENVILLE

APPROVED _____ TOWN MANAGER

DATE 4-12-01

RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS

RUNWAY	INNER WIDTH	OUTER WIDTH	LENGTH	ACRES
RUNWAY 14	500'	700'	1,000'	13.77
RUNWAY 32	500'	700'	1,000'	13.77
RUNWAY 03	250'	450'	1,000'	8.04
RUNWAY 23	250'	450'	1,000'	8.04

LEGEND	EXISTING	PROPOSED
AIRPORT PROPERTY LINE		SAME
PAVEMENT		
AVIGATION EASEMENT		
FENCE LINE		
BUILDING		SAME
TREE LINE		SAME
AIRPORT REFERENCE POINT (ARP)		SAME
REIL'S		
PAPI		
WETLANDS		SAME
UTILITY POLE		SAME
10' CONTOURS		SAME
RUNWAY SAFETY AREA (RSA)		SAME
OBJECT FREE AREA (OFA)		SAME
BUILDING RESTRICTION LINE (BRL)		SAME
RUNWAY VISIBILITY ZONE		SAME
GRAVEL ROADWAY		SAME
LEASE LOT LINE		

EXISTING	PROPOSED	BUILDINGS
1		PRIVATE CONVENTIONAL HANGAR
2		PRIVATE CONVENTIONAL HANGAR (TO BE REMOVED)
3		FBO HANGAR
4		PRIVATE CONVENTIONAL HANGAR
5		PRIVATE CONVENTIONAL HANGAR
6		HOUSE
7		PRIVATE CONVENTIONAL HANGAR
8		PRIVATE CONVENTIONAL HANGAR
9		PRIVATE CONVENTIONAL HANGAR
10		PRIVATE CONVENTIONAL HANGAR/STORAGE
11		PRIVATE CONVENTIONAL HANGAR
	12	TERMINAL BUILDING
	13	PRIVATE CONVENTIONAL HANGAR
	14	PRIVATE CONVENTIONAL HANGAR
	15	PRIVATE CONVENTIONAL HANGAR
	16	PRIVATE CONVENTIONAL HANGAR
	17	PRIVATE CONVENTIONAL HANGAR
	18	PRIVATE CONVENTIONAL HANGAR
	19	PRIVATE CONVENTIONAL HANGAR
	20	PRIVATE CONVENTIONAL HANGAR
	21	PRIVATE CONVENTIONAL HANGAR/STORAGE
	22	20–UNIT T–HANGAR

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GREENVILLE MUNICIPAL AIRPORT

ULTIMATE AIRPORT LAYOUT PLAN

GREENVILLE MAINE

Project No.	818005A.01
Proj. Manager	JW
Proj. Designer	ECD
Drawn By	JBR
Checked By	JW
Scale	1"=200'
Approved	DCD
Date	11/28/00

Sheet 3 of 8

D

18° WEST
DECLINATION (1995)

TRUE
MAGNETIC

AIRPORT ROAD

AIRPORT ACCESS ROAD

RESERVED FOR FUTURE
HANGAR DEVELOPMENT

PROPOSED TAXIWAY

25' (TYP.)

12

EXISTING CONVENTIONAL
HANGAR (TYP.)

PROPOSED CONVENTIONAL
HANGAR LAYOUT (TYP.)

335'

300'

PROPOSED HANGAR
LEASE LINE

240'

100' (TYP.)

100'
(TYP.)

PROPOSED NESTED
T-HANGARS

PROPOSED COMMERCIAL
HANGAR/BUILDING 70' X 70'

PROPOSED NEW ACCESS ROAD

260'

25'

PARKING

PROPOSED TERMINAL
BUILDING 20' X 40'

FUEL FARM

PROPOSED ADDITIONAL
APRON AREAS (TYP.)

APRON

TAXILANE

TAXIWAY

TAXIWAY

APRON

SEGMENTED
CIRCLE & WIND CONE

RUNWAY 3-21

PROPOSED TAXIWAY

PROPOSED TAXIWAY

1410

GRAPHIC SCALE

60 0 30 60 120

1 inch = 60 feet

LEGEND	EXISTING	PROPOSED
AIRPORT PROPERTY LINE		SAME
PAVEMENT		
AVIGATION EASEMENT		
FENCE LINE		
BUILDING		SAME
TREE LINE		SAME
AIRPORT REFERENCE POINT (ARP)		SAME
REIL'S		
PAPI		
WETLANDS		SAME
UTILITY POLE		SAME
10' CONTOURS		SAME
RUNWAY SAFETY AREA (RSA)		SAME
OBJECT FREE AREA (OFA)		SAME
BUILDING RESTRICTION LINE (BRL)		SAME
RUNWAY VISIBILITY ZONE		SAME
GRAVEL ROADWAY		SAME
LEASE LOT LINE		

EXISTING	PROPOSED	BUILDINGS
1		PRIVATE CONVENTIONAL HANGAR
2		PRIVATE CONVENTIONAL HANGAR (TO BE REMOVED)
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8		PRIVATE CONVENTIONAL HANGAR
9		PRIVATE CONVENTIONAL HANGAR
10		PRIVATE CONVENTIONAL HANGAR/STORAGE
11		PRIVATE CONVENTIONAL HANGAR
	12	TERMINAL BUILDING
	13	PRIVATE CONVENTIONAL HANGAR
	14	PRIVATE CONVENTIONAL HANGAR
	15	PRIVATE CONVENTIONAL HANGAR
	16	PRIVATE CONVENTIONAL HANGAR
	17	PRIVATE CONVENTIONAL HANGAR
	18	PRIVATE CONVENTIONAL HANGAR
	19	PRIVATE CONVENTIONAL HANGAR
	20	PRIVATE CONVENTIONAL HANGAR
	21	PRIVATE CONVENTIONAL HANGAR/STORAGE
	22	20-UNIT T-HANGAR

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GREENVILLE MUNICIPAL AIRPORT
A.I.P. NO. 3-23-0049-07

TERMINAL PLAN

GREENVILLE MAINE

Project No.	8160054.01
Proj. Manager	JW
Proj. Designer	ECD
Drawn By	MRS
Checked By	JW
Scale	1" = 60'
Approved	DCD
Date	11/29/00

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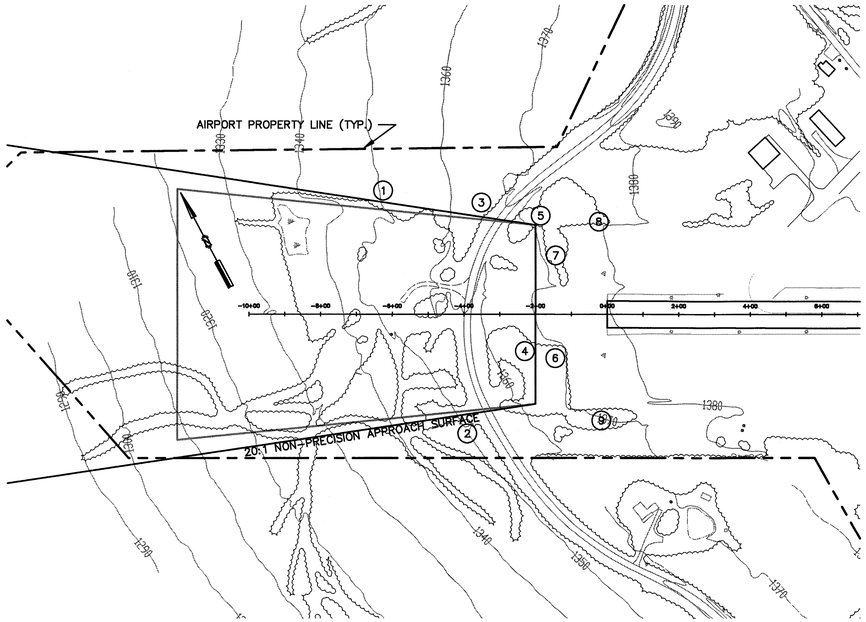
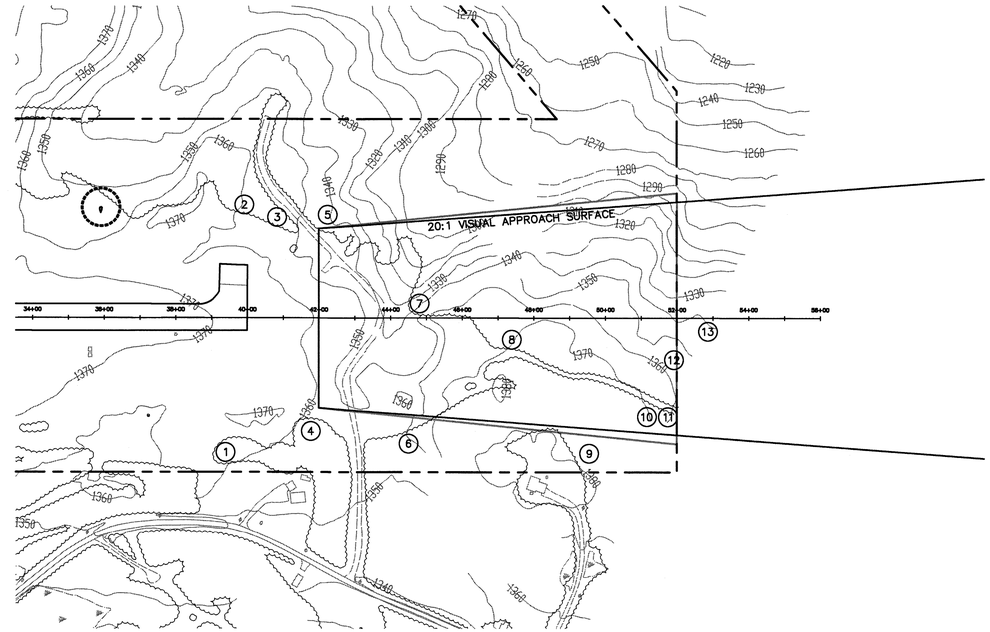
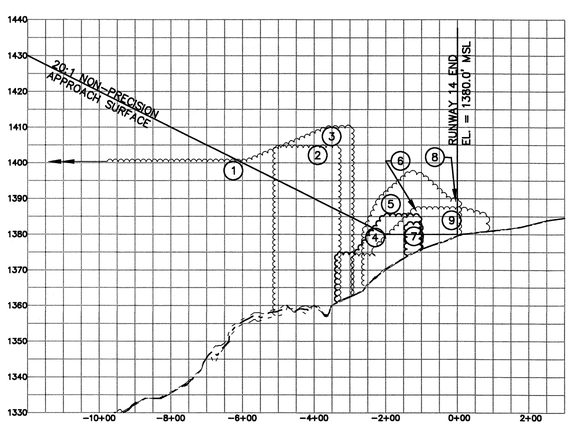
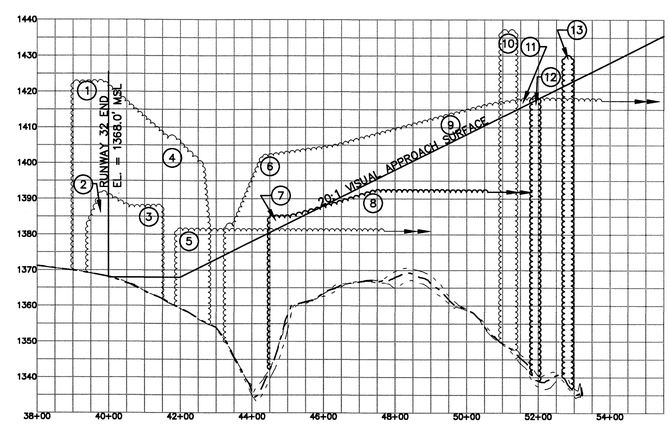






LEGEND	
CENTER OF APPROACH GROUND PROFILE	
RIGHT EDGE OF APPROACH GROUND PROFILE	
LEFT EDGE OF APPROACH GROUND PROFILE	
VEGETATION WITHIN APPROACH SURFACE	

SCALE
VERTICAL: 1" = 20'
HORIZONTAL: 1" = 200'



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GREENVILLE MUNICIPAL AIRPORT
A.I.P. NO. 3-23-0049-07

RUNWAY 14-32 APPROACH PLAN AND PROFILE

GREENVILLE MAINE

Project No.	8180054.01
Proj. Manager	JW
Proj. Designer	ECD
Drawn By	MRS
Checked By	JW
Scale	AS NOTED
Approved	DCD
Date	11/29/00

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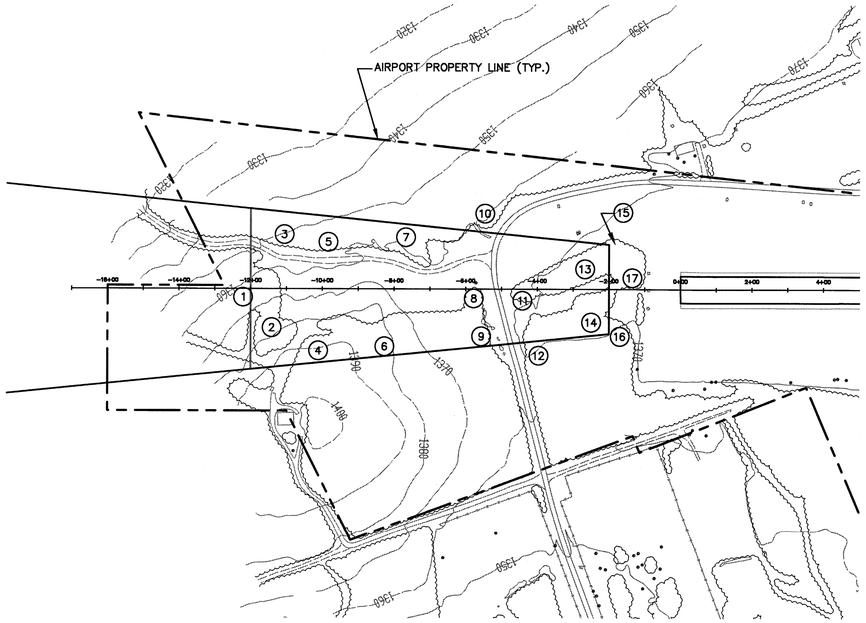
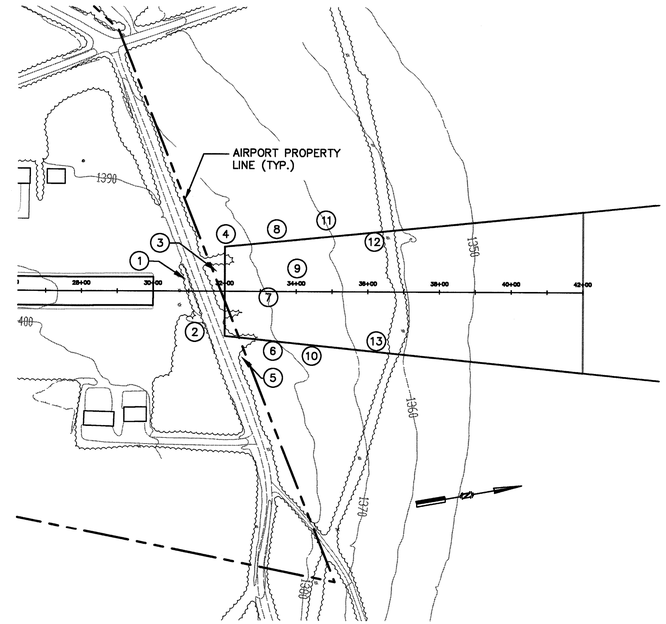
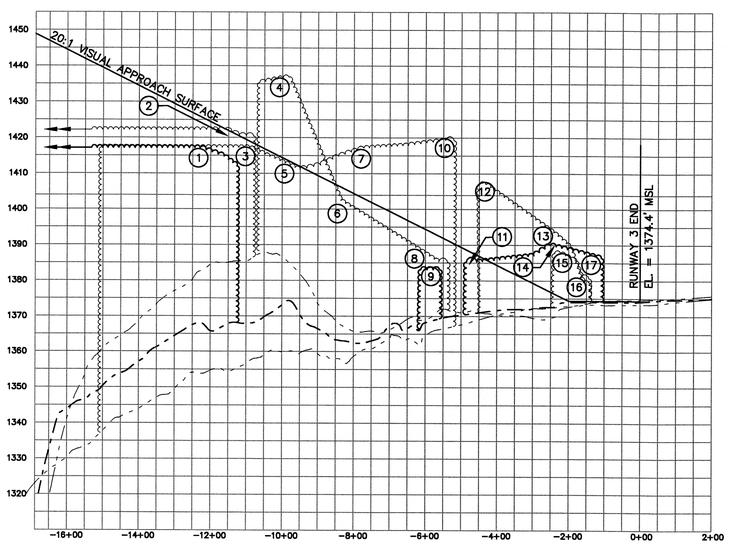
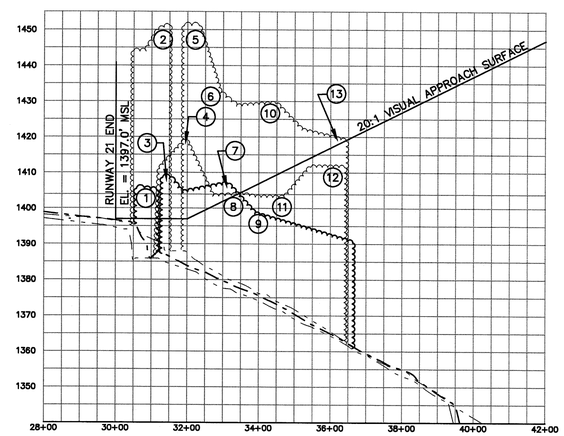






LEGEND	
CENTER OF APPROACH GROUND PROFILE	
RIGHT EDGE OF APPROACH GROUND PROFILE	
LEFT EDGE OF APPROACH GROUND PROFILE	
VEGETATION WITHIN APPROACH SURFACE	

SCALE
VERTICAL: 1" = 20'
HORIZONTAL: 1" = 200'



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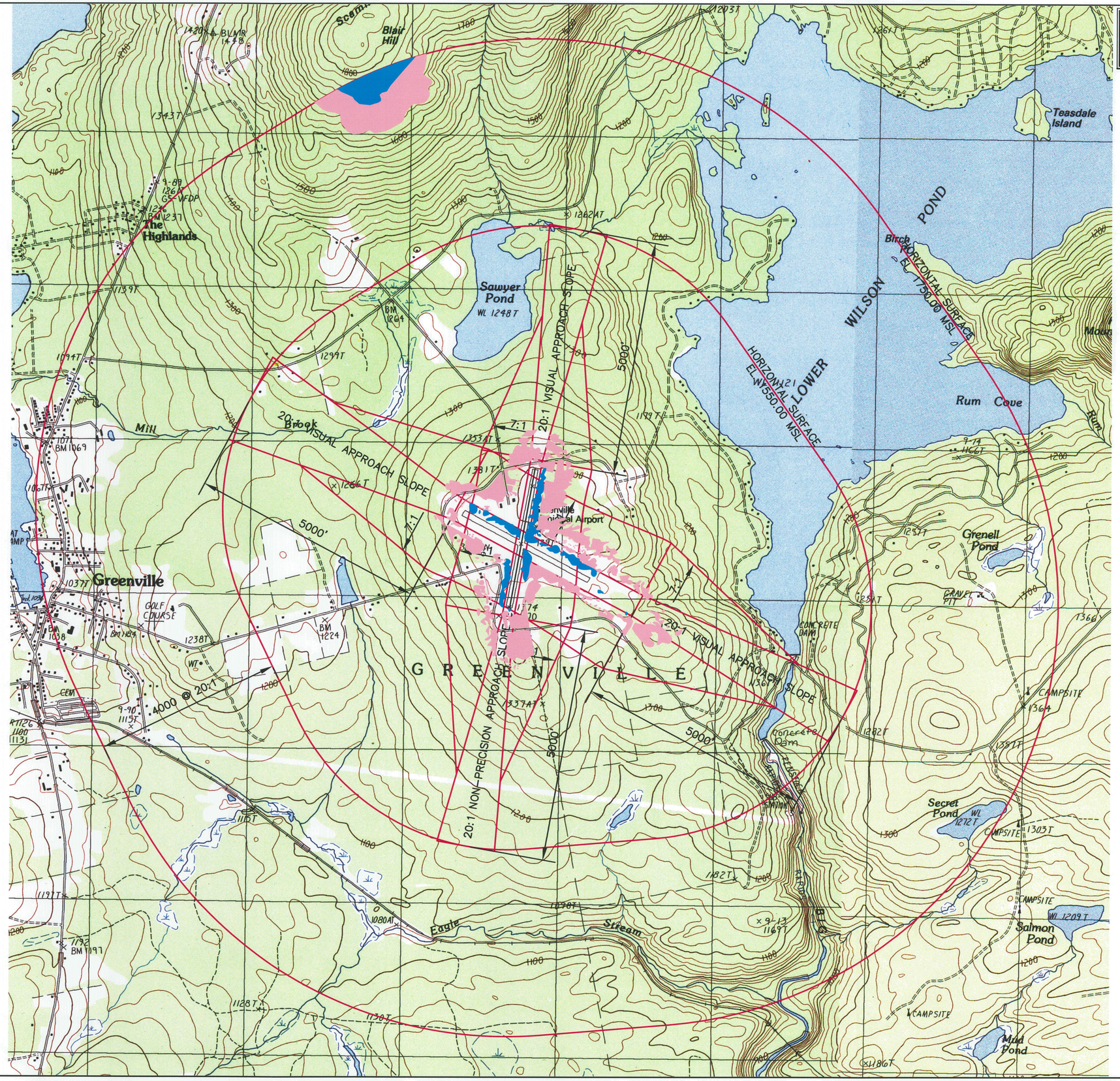
GREENVILLE MUNICIPAL AIRPORT
A.I.P. NO. 3-23-0049-07

RUNWAY 3-21 APPROACH PLAN AND PROFILE

GREENVILLE

Project No.	8190054.01
Proj. Manager	JW
Proj. Designer	ECD
Drawn By	MRS
Checked By	JW
Scale	AS NOTED
Approved	DCD
Date	11/29/00

D



LEGEND

- GROUND PENETRATIONS
- VEGETATION PENETRATIONS
- PROTECTED AIRSPACE SURFACE

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MAINE

GREENVILLE MUNICIPAL AIRPORT

F.A.R. PART 77 SURFACES

GREENVILLE

Project No.	8180054.01
Proj. Manager	JEG
Proj. Designer	JEG / MRS
Drawn By	JJL / MRS
Checked By	JEG
Scale	1"=1000'
Approved	DCD
Date	11/29/00

Sheet 7 of 8

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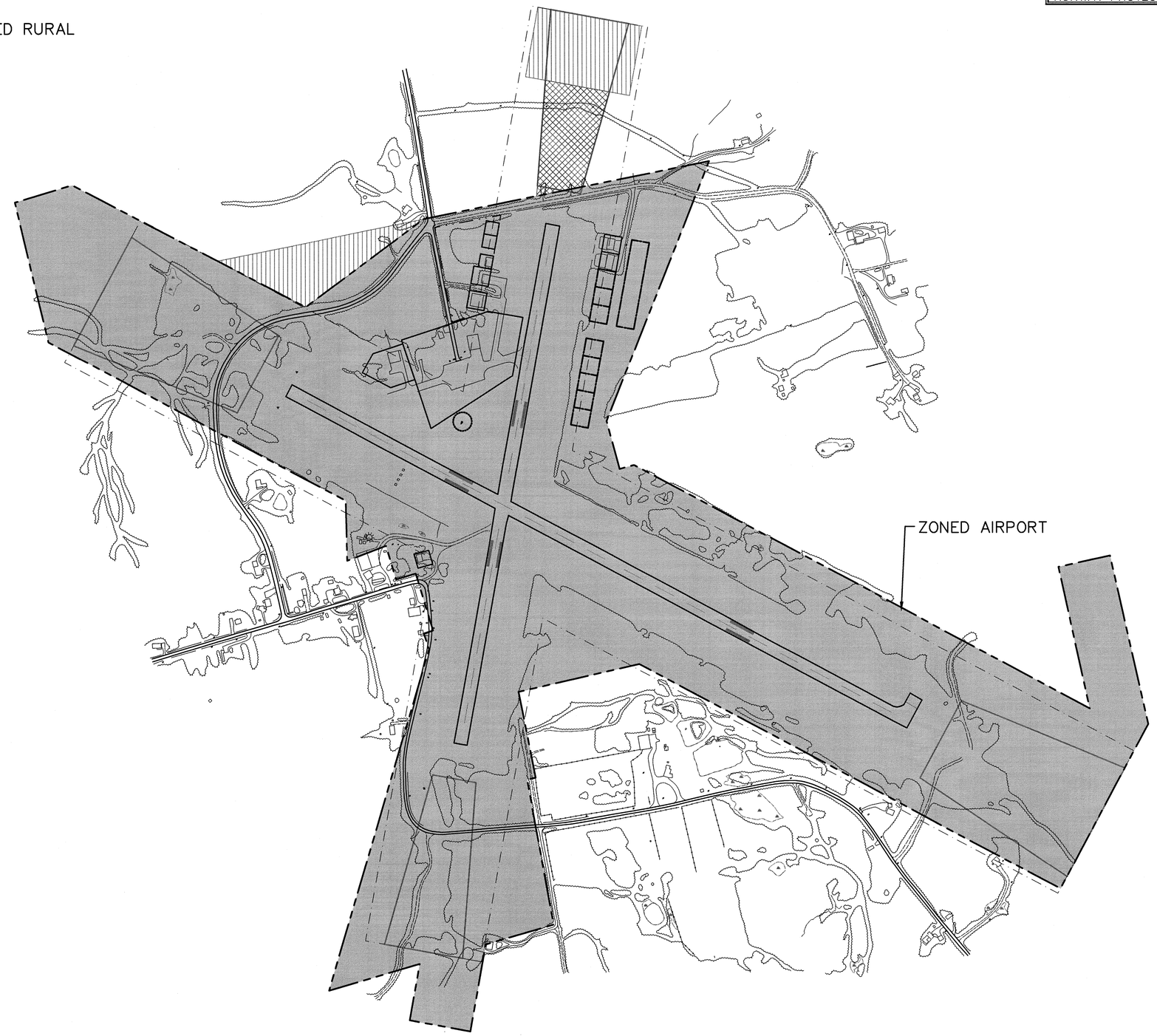
LEGEND	
ITEM	
AIRPORT PROPERTY	
EASEMENTS	
PROPOSED EASEMENTS	
BUILDING RESTRICTION LINE (BRL)	
RUNWAY PROTECTION ZONE (RPZ)	



GRAPHIC SCALE
300 0 150 300 600
1 inch = 300 feet

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GREENVILLE MUNICIPAL AIRPORT
A.I.P. NO. 3-23-0049-07

LAND-USE PLAN

GREENVILLE MAINE

Project No.	8180054.01
Proj. Manager	JW
Proj. Designer	ECD
Drawn By	MRS
Checked By	JW
Scale	1"=300'
Approved	DCD
Date	1/12/00

Sheet 8 of 8

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