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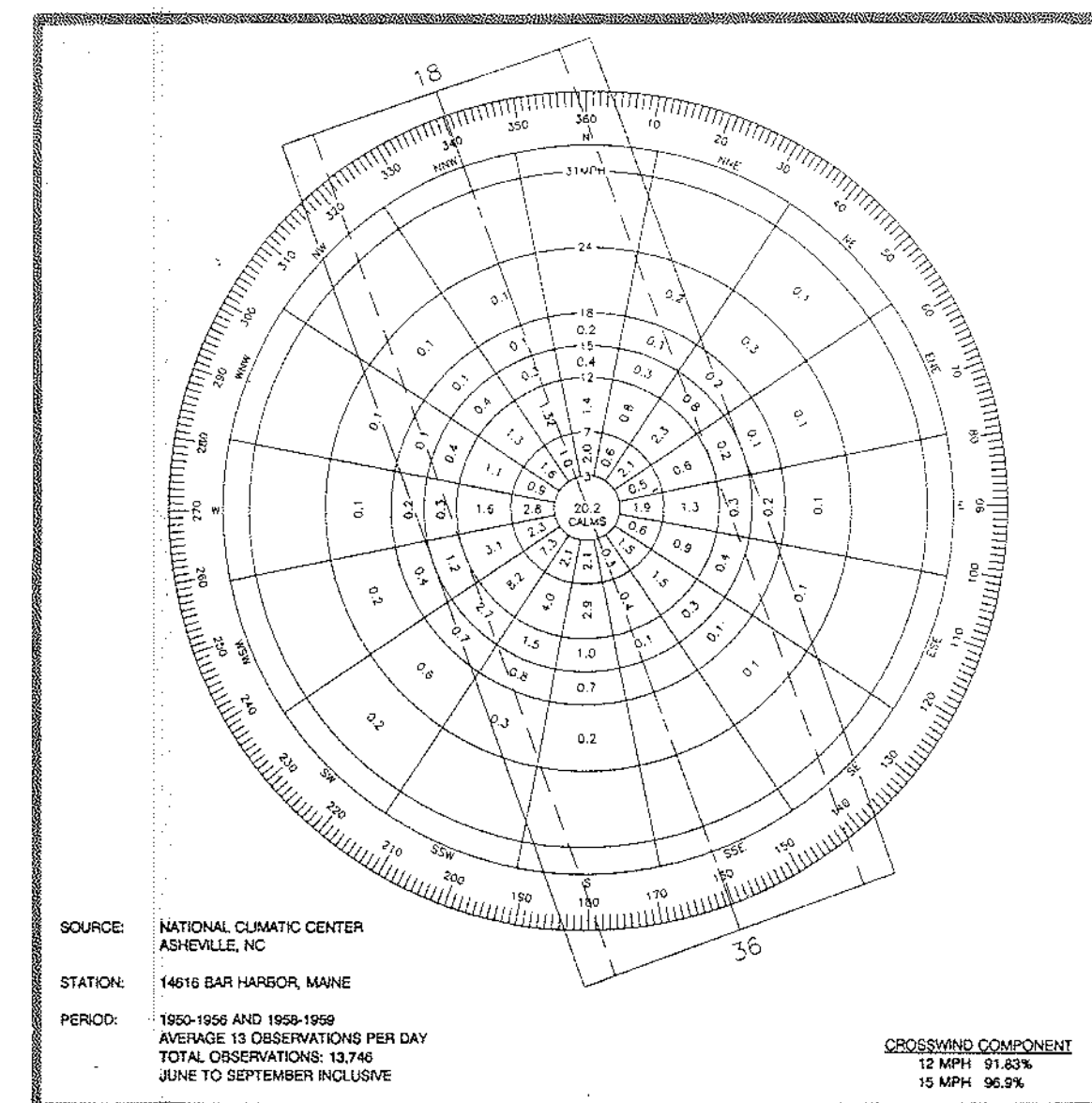
Transportation

10-1-1992

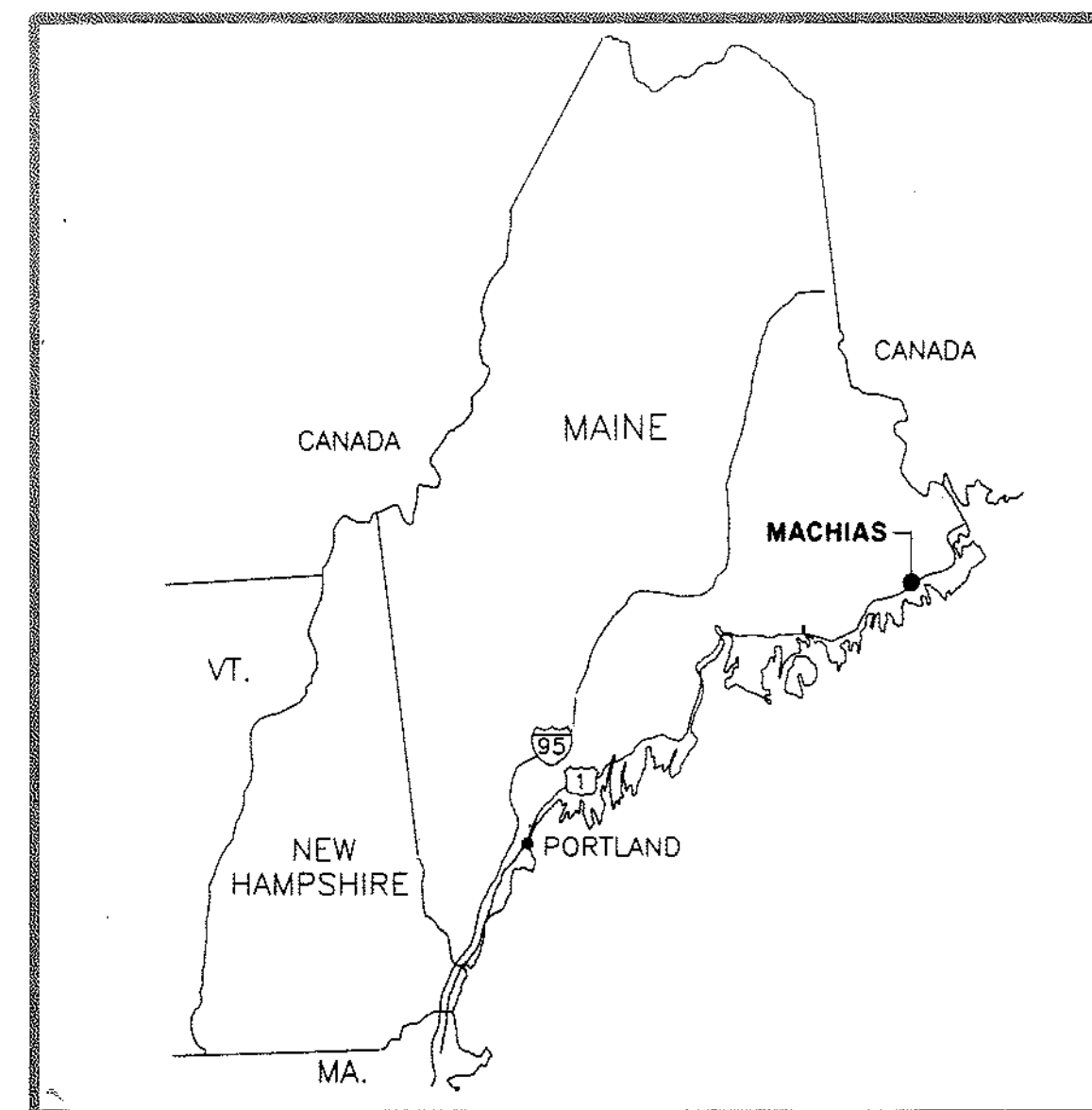
Airport Master Plan Update : Machias Valley Airport, October 1992

Maine Department of Transportation

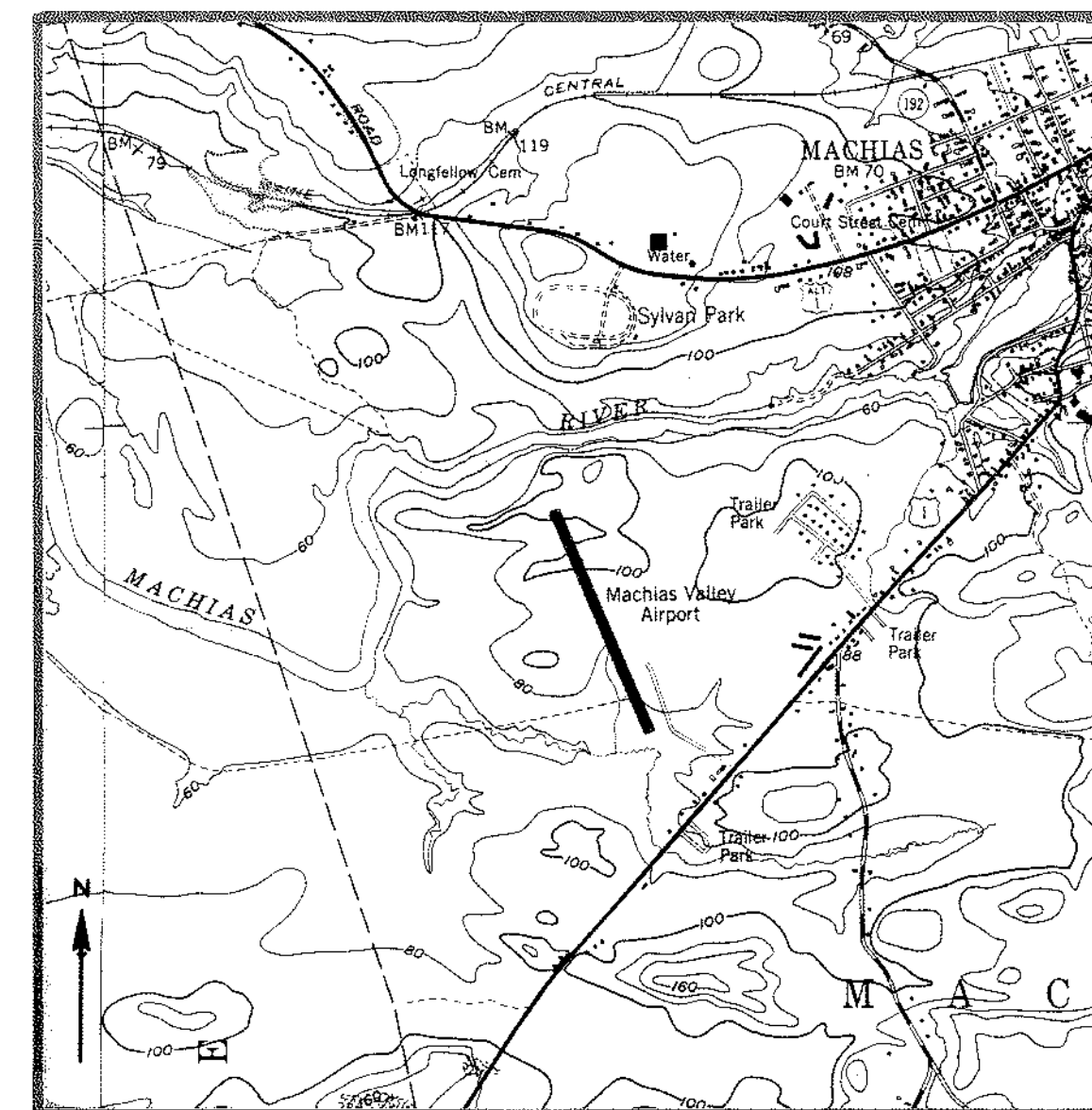
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ALL-WEATHER WIND ROSE



LOCATION MAP



VICINITY MAP

SHEET	DESCRIPTION
1	TITLE PAGE
2	EXISTING AIRPORT LAYOUT PLAN
3	ULTIMATE AIRPORT LAYOUT PLAN
4	TERMINAL AREA PLAN
5	LAND USE PLAN
6	RUNWAY 18-36 APPROACH PLAN AND PROFILE
7	PART 77 IMAGINARY SURFACES

INDEX OF SHEETS

AIRPORT MASTER PLAN UPDATE

MACHIAS VALLEY AIRPORT

Machias, Maine

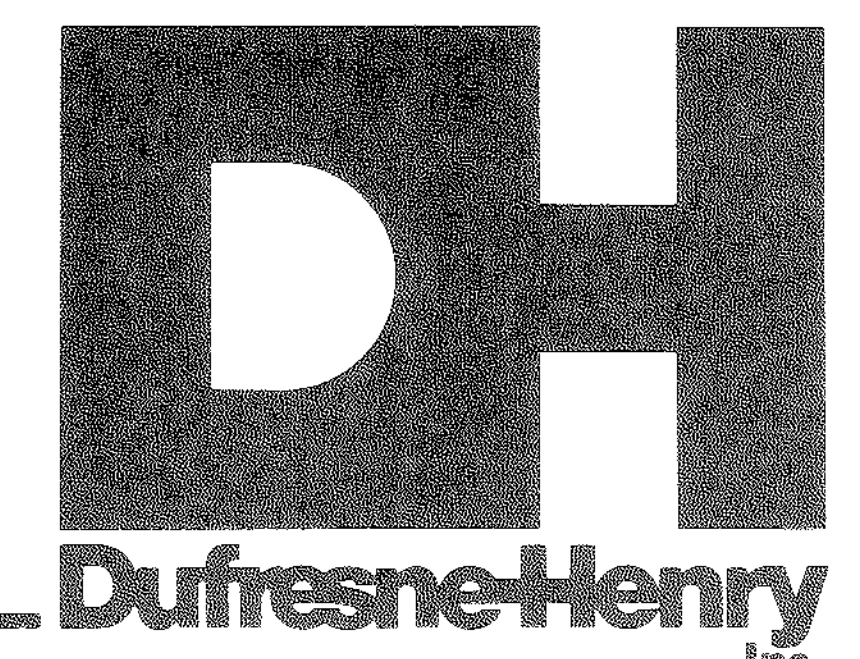
October • 1992

Consulting Engineers

Office
400 Southborough Drive
South Portland, ME 04106
Tel: (603) 885-1111
Fax: (603) 885-1112

Engineering Disciplines
Civil
Electrical
Environmental
Industrial
Mechanical
Structural
Transportation

Associated Disciplines
Construction Management
Surveying
Architectural
Interior Design
Landscape Architecture
Urban Planning



400 Southborough Drive
South Portland,
Maine 04106

NOV 12 1993

RUNWAY DATA		
	RUNWAY 18-36	
	EXISTING	
% WIND COVERAGE	12 MPH - 91.832	
	15 MPH - 96.920	
PAVEMENT STRENGTH (LBS)	S-30 K, D-41 K	
APPROACH SURFACES	R/W 18 20:1 VIS.	
	R/W 36 20:1 N.P.	
RUNWAY LIGHTING	MIRL	
RUNWAY MARKING	NON-PRECISION	
VISUAL APPROACH AIDS	REIL-R/W 36	
RUNWAY CLASSIFICATION	BASIC UTILITY	
EFFECTIVE GRADIENT (IN %)	.88%	

S-SINGLE WHEEL
D-DUAL WHEEL

AIRPORT DATA		
	EXISTING	
AIRPORT ELEVATION-MSL	96.5	
AIRPORT REFERENCE POINT (ARP)	LAT 44°-42'-16" N	
	LONG 67°-28'-44" W	
NORMAL MAXIMUM TEMPERATURE	80°	
TAXIWAY LIGHTING	MITL	
TAXIWAY MARKING	UNLIGHTED	
NAVIGATIONAL AIDS	R/W 36	NDB
AIRPORT REFERENCE CODE	B II	

AIRPORT BUILDINGS		
NUMBER	NAME	STATUS
①	TERMINAL BUILDING	R
②	ROTATING BEACON	R
③	TWO UNIT T-HANGAR	*
④	FUELING FACILITIES	R

R = TO BE RELOCATED

* = TO BE REMOVED

LEGEND		
EXISTING		ITEM
---		AIRPORT PROPERTY LINE
---		BUILDING RESTRICTION LINE (BRL)
---		AVIGATION EASEMENT
---		RUNWAY SAFETY AREA (RSA)
---		RUNWAY PROTECTION ZONE (RPZ)
---		OBJECT FREE AREA (OFA)
---		ADJACENT PROPERTIES
---		UNIMPROVED ROADS
---		AIRPORT BEACON
---		TREE LINE
---		FENCE
---		STREAMS
---		AIRPORT REFERENCE POINT (ARP)
---		AIRPORT BUILDINGS
---		REILS
---		SEGMENTED CIRCLE & WINDCONE
---		NON-DIRECTIONAL BEACON (NDB)
---		FUEL FACILITIES

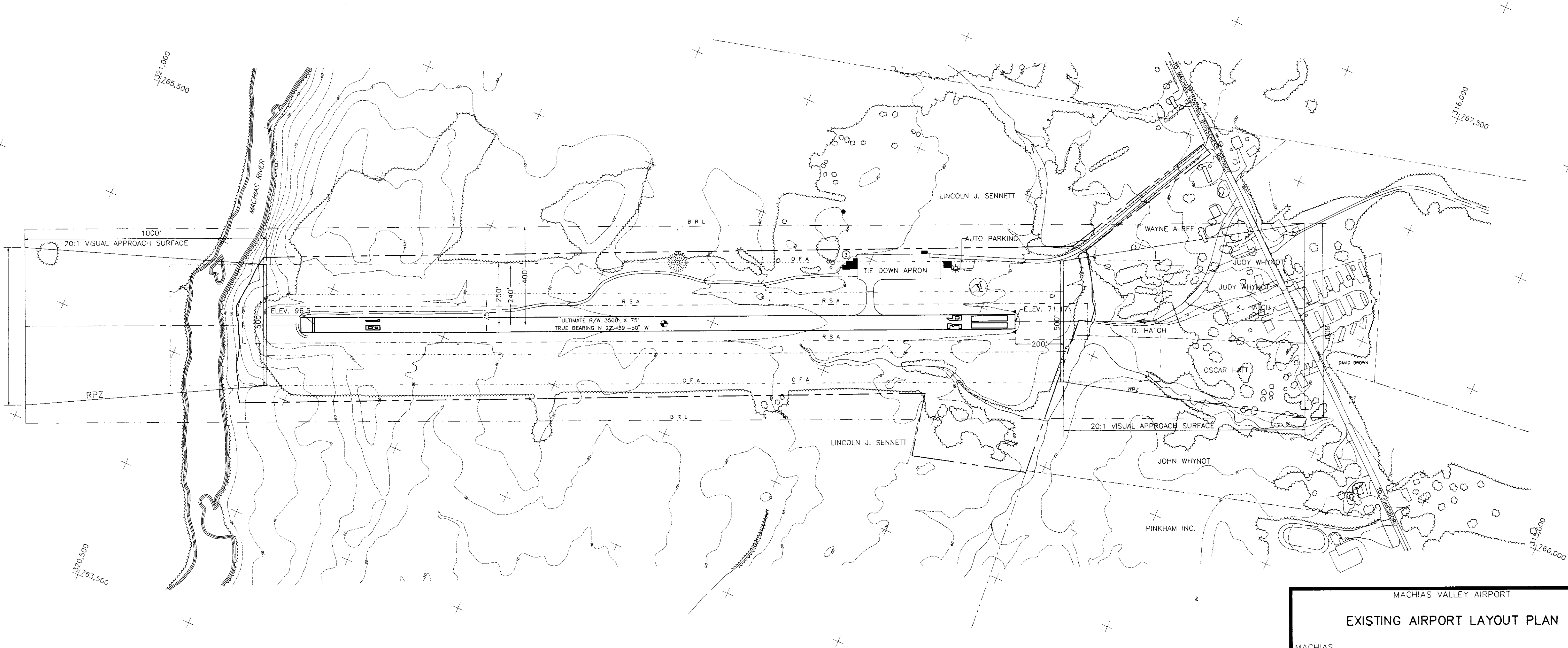
NOTE:
HORIZONTAL DATUM BASED ON MAINE STATE
GRID COORDINATE SYSTEM EAST ZONE (1927).



(IN FEET)
1 inch = 200 ft



MAGNETIC VARIATION
17°-30'-WEST USGS-1980



RUNWAY DATA		
	RUNWAY 18-36	
	EXISTING	PROPOSED
% WIND COVERAGE	12 MPH - 91.832 15 MPH - 96.920	12 MPH - 91.832 15 MPH - 96.920
PAVEMENT STRENGTH (LBS)	S-30 K, D-41 K	N/C
APPROACH SURFACES	R/W 18 20:1 VIS. R/W 36 20:1 N.P.	N/C
RUNWAY LIGHTING	MIRL	N/C
RUNWAY MARKING	NON-PRECISION	N/C
VISUAL APPROACH AIDS	REIL-R/W 36	REIL-R/W 36 PAPI - R/W 36
RUNWAY CLASSIFICATION	BASIC UTILITY	N/C
EFFECTIVE GRADIENT (IN %)	88%	77%

S-SINGLE WHEEL
D-DUAL WHEEL

AIRPORT DATA		
	EXISTING	PROPOSED
AIRPORT ELEVATION-MSL	96.5	N/C
AIRPORT REFERENCE POINT (ARP)	LAT 44°-42'-16" N LONG 67°-28'-44" W	LAT 44°-42'-13" N LONG 67°-28'-45" W
NORMAL MAXIMUM TEMPERATURE	80°	N/C
TAXIWAY LIGHTING	MTL	N/C
TAXIWAY MARKING	UNLIGHTED	LIGHTED
NAVIGATIONAL AIDS	R/W 36 NDB	N/C
AIRPORT REFERENCE CODE	B II	B II

AIRPORT BUILDINGS		
NUMBER	NAME	STATUS
①	TERMINAL BUILDING	R
②	ROTATING BEACON	R
③	TWO UNIT T-HANGAR	*
④	FUELING FACILITIES	R
⑤	EIGHT UNIT T-HANGAR	P
⑥	CONVENTIONAL HANGAR	P

R = TO BE RELOCATED P = PROPOSED * = TO BE REMOVED

LEGEND	
	PROPOSED TAXIWAY
	PROPOSED TIE DOWN APRON
	PROPOSED AUTO PARKING
	PROPOSED ACCESS ROAD
	PROPOSED RUNWAY EXTENSION

LEGEND		
EXISTING	PROPOSED	ITEM
		AIRPORT PROPERTY LINE
		BUILDING RESTRICTION LINE (BRL)
		AVIGATION EASEMENT
		RUNWAY SAFETY AREA (RSA)
		RUNWAY PROTECTION ZONE (RPZ)
		OBJECT FREE AREA (OFA)
		ADJACENT PROPERTIES
		UNIMPROVED ROADS
		AIRPORT BEACON
		TREE LINE
		FENCE
		STREAMS
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT BUILDINGS
		REILS
		SEGMENTED CIRCLE & WINDCONE
		NON-DIRECTIONAL BEACON (NDB)
		FUEL FACILITIES
		PAPI

NOTE: LIMITS OF TREE CLEARING ARE SHOWN ON SHEET
5 RUNWAY 18 - 36 APPROACH AND RUNWAY
PROTECTION ZONE PROFILE

FEDERAL AVIATION ADMINISTRATION

APPROVED
MANAGER, AIRPORTS PLANNING BRANCH

DATE 11/1/93

MAINE DEPARTMENT OF TRANSPORTATION

APPROVED
DIRECTOR, AIR TRANSPORTATION DIVISION

DATE 10-1-93

TOWN OF MACHIAS

APPROVED
TOWN MANAGER

DATE 15 JULY 1993

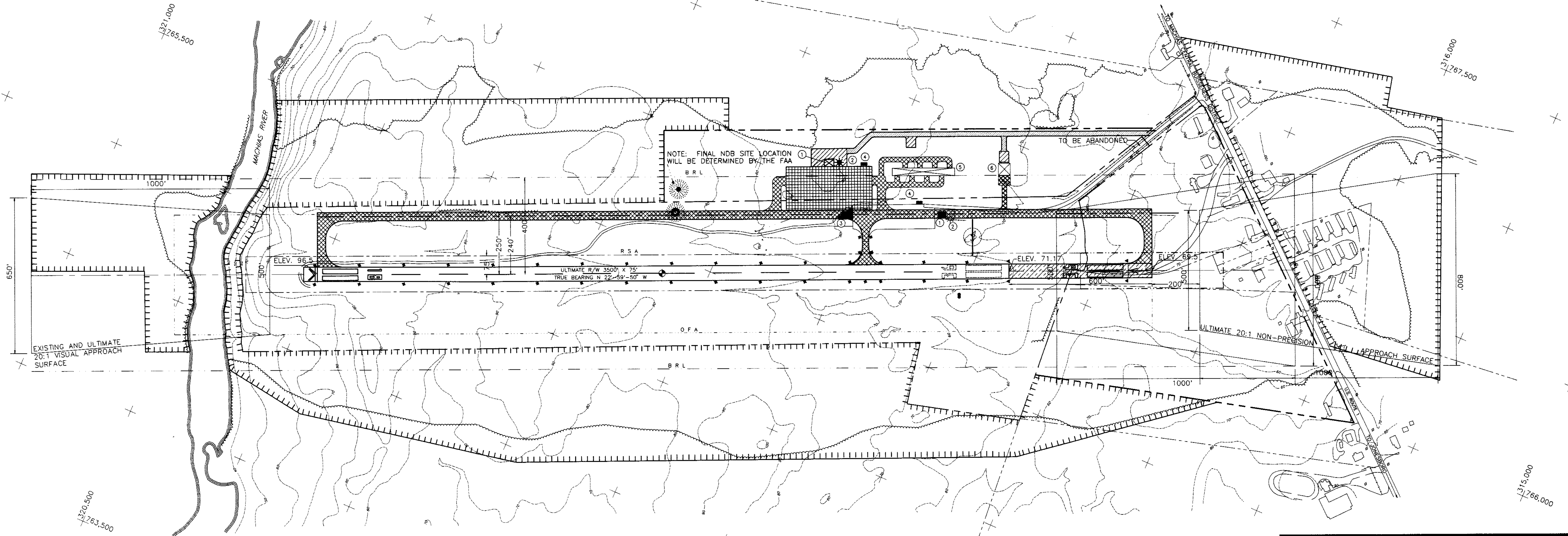
GRAPHIC SCALE



(IN FEET)
1 inch = 200 ft.



MAGNETIC VARIATION
17°-30'-WEST USGS-1980



MACHIAS VALLEY AIRPORT

ULTIMATE AIRPORT LAYOUT PLAN

MACHIAS

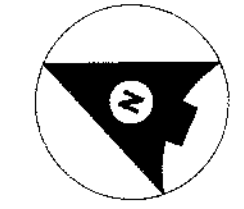
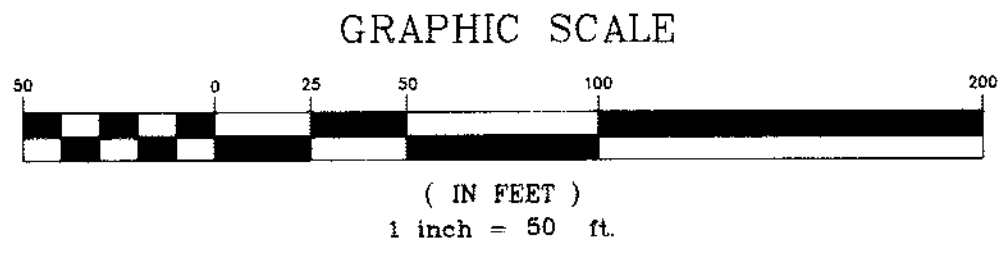
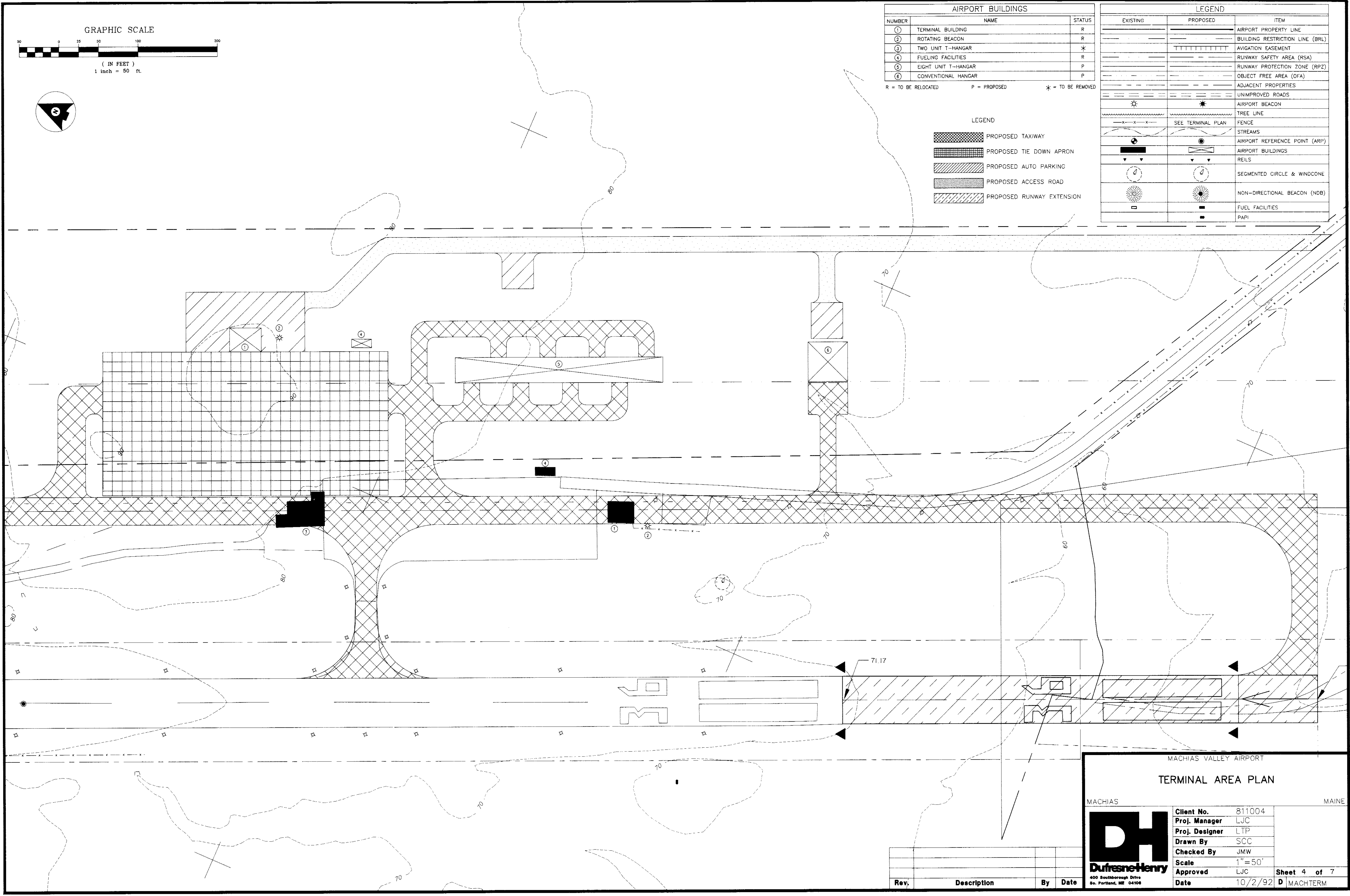
MAINE



Client No.	811004
Proj. Manager	LJC
Proj. Designer	LTP
Drawn By	JPM
Checked By	JW
Scale	1"=200'
Approved	LJC
Date	9/18/92

Sheet 3 of 7
D MACHMAST

Rev.	Description	By	Date



AIRPORT BUILDINGS		
NUMBER	NAME	STATUS
①	TERMINAL BUILDING	R
②	ROTATING BEACON	R
③	TWO UNIT T-HANGAR	*
④	FUELING FACILITIES	R
⑤	EIGHT UNIT T-HANGAR	P
⑥	CONVENTIONAL HANGAR	P

R = TO BE RELOCATED P = PROPOSED * = TO BE REMOVED

LEGEND	
	PROPOSED TAXIWAY
	PROPOSED TIE DOWN APRON
	PROPOSED AUTO PARKING
	PROPOSED ACCESS ROAD
	PROPOSED RUNWAY EXTENSION

LEGEND		
EXISTING	PROPOSED	ITEM
		AIRPORT PROPERTY LINE
		BUILDING RESTRICTION LINE (BRL)
		AVIGATION EASEMENT
		RUNWAY SAFETY AREA (RSA)
		RUNWAY PROTECTION ZONE (RPZ)
		OBJECT FREE AREA (OFA)
		ADJACENT PROPERTIES
		UNIMPROVED ROADS
		AIRPORT BEACON
		TREE LINE
		FENCE
		STREAMS
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT BUILDINGS
		RELS
		SEGMENTED CIRCLE & WINDCONE
		NON-DIRECTIONAL BEACON (NDB)
		FUEL FACILITIES
		PAPI

MACHIAS VALLEY AIRPORT

TERMINAL AREA PLAN

MACHIAS

MAINE

Client No.

811004

Proj. Manager

LJC

Proj. Designer

LTP

Drawn By

SCC

Checked By

JMW

Scale

1" = 50'

Approved

LJC

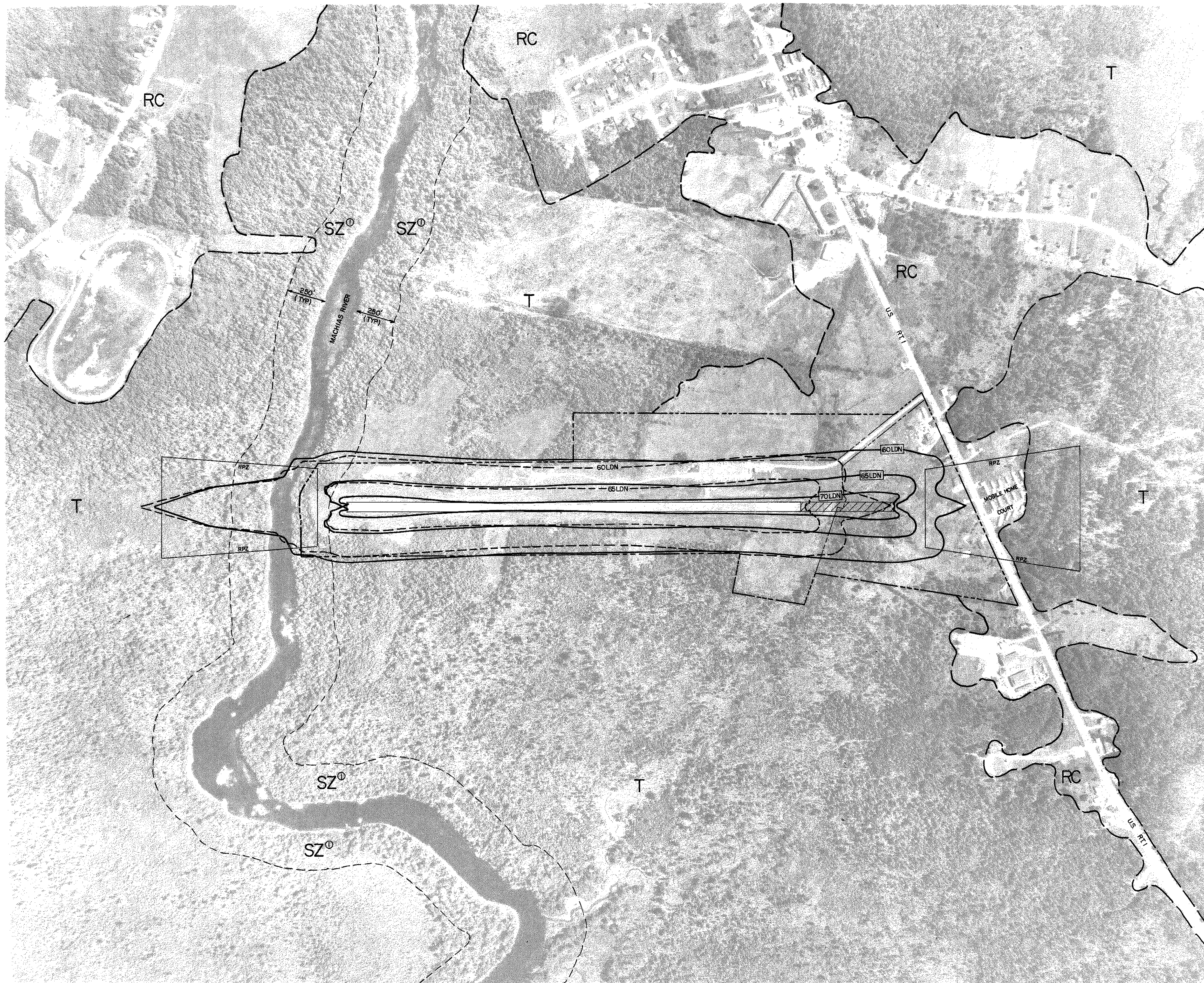
Date

10/2/92

Sheet 4 of 7

MACHTERM

Rev.	Description	By	Date



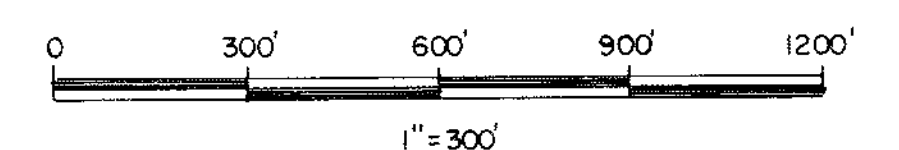
ZONING LEGEND

RC RESIDENTIAL/COMMERCIAL
T TIMBERLAND
SZ[Ⓢ] SHORELAND ZONING


① EXTENDS 250 FT. BEYOND BOTH SHORES OF THE MACHIAS RIVER, NO INDUSTRIAL OR COMMERCIAL CONSTRUCTION.

LEGEND

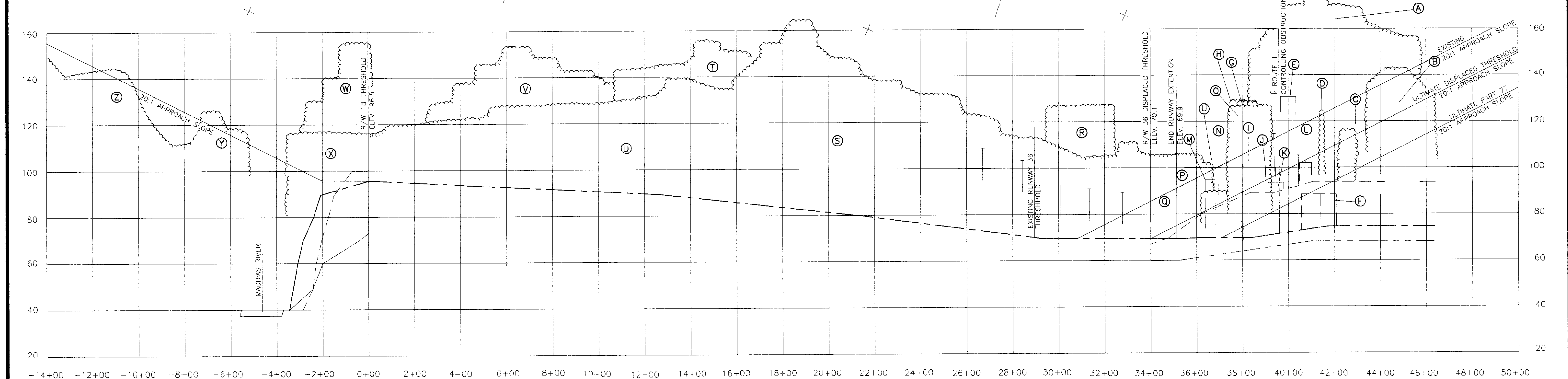
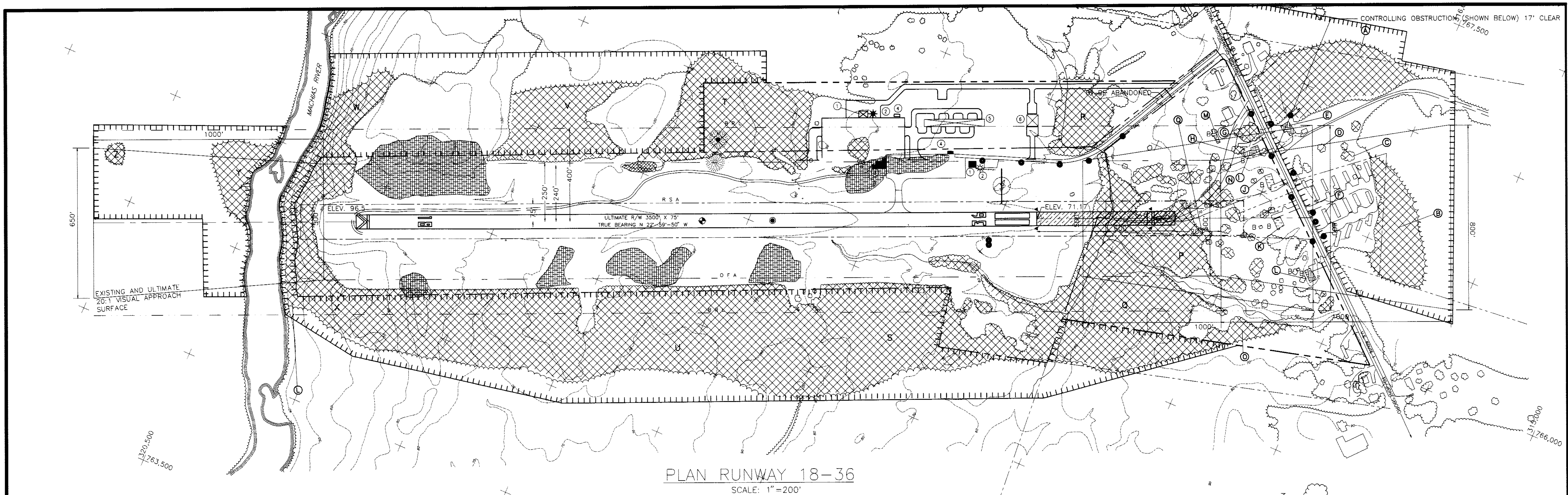
--- EXISTING AIRPORT PROPERTY LINE
--- ULTIMATE AIRPORT PROPERTY LINE
--- ZONING BOUNDARY
--- SHORELAND ZONING BOUNDARY
--- 60LDN --- EXISTING NOISE CONTOUR
--- 65LDN --- FUTURE NOISE CONTOUR
--- 70LDN --- FUTURE NOISE CONTOUR
--- ULTIMATE RUNWAY EXTENSION
--- RPZ --- RUNWAY PROTECTION ZONE (RPZ)



MACHIAS VALLEY REGIONAL AIRPORT LAND USE PLAN

MACHIAS, MAINE		Client No. 811004	
	Proj. Manager	LJC	
	Proj. Designer	LTP	
	Drawn By	TVS	
	Checked By	LJC	
	Scale	1" = 300'	
Approved LJC		Date 9-22-92	Sheet 5 of 7
Date			D

Rev.	Description	By	Date



PROFILE RUNWAY 18-36
SCALE: HORIZ-1"=200'
VERT-1"=20'

- LEGEND**
- GROUND PENETRATIONS (TO BE REMOVED)
 - BUILDING PENETRATIONS, DISPLACED THRESHOLD APPROACH SURFACE (TO BE RELOCATED)
 - BUILDING PENETRATIONS, TRANSITIONAL SURFACE (TO BE RELOCATED)
 - UTILITY POLE PENETRATIONS (TO BE REMOVED)
 - EXISTING GROUND CONTOUR
 - EXISTING TREE LINE
 - TREE OBSTRUCTION (TO BE REMOVED)
 - GROUND PROFILE WEST EDGE
 - GROUND PROFILE EAST EDGE
 - GROUND PROFILE CENTERLINE
 - POWER POLE (PROFILE)
 - PROPOSED AVIATION EASEMENT



Rev.	Description	By	Date

MACHIAS VALLEY AIRPORT

RUNWAY 18-36 APPROACH PLAN AND PROFILE

MACHIAS, MAINE

Client No. 811004

Proj. Manager LJC

Proj. Designer LTP

Drawn By JPM

Checked By JW

Scale 1"=200'

Approved LJC

Date 9/18/92

Sheet 6 of 7

D MACHMAST

400 Southborough Drive
So. Portland, ME 04106

