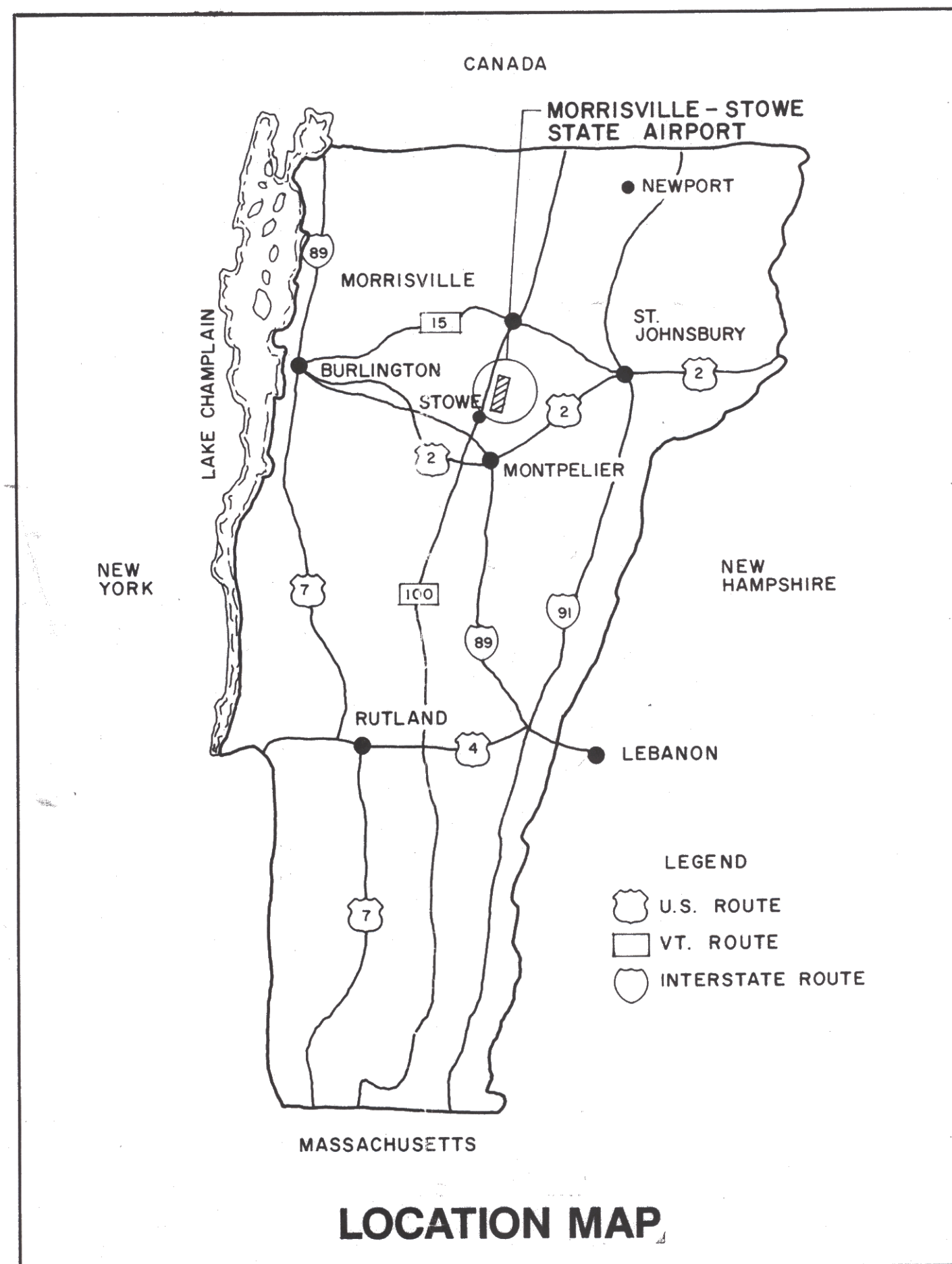


MORRISVILLE - STOWE STATE AIRPORT

MORRISTOWN, VERMONT

AIRPORT MASTER PLAN



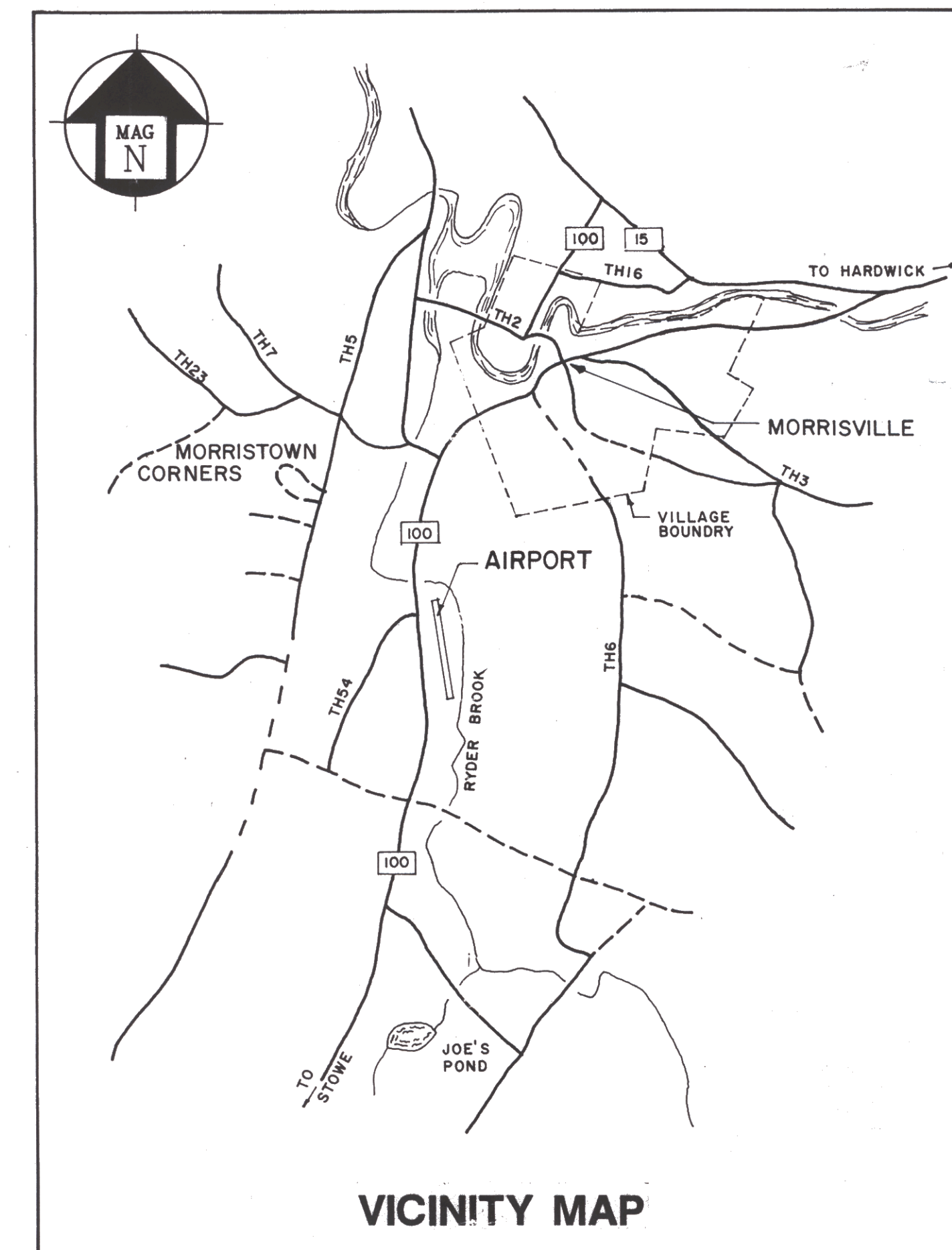
PREPARED FOR:
VERMONT AGENCY OF TRANSPORTATION

PREPARED BY:
GERALD D'AMICO, P.E.

IN ASSOCIATION WITH
RIST-FROST ASSOCIATES, P.C.

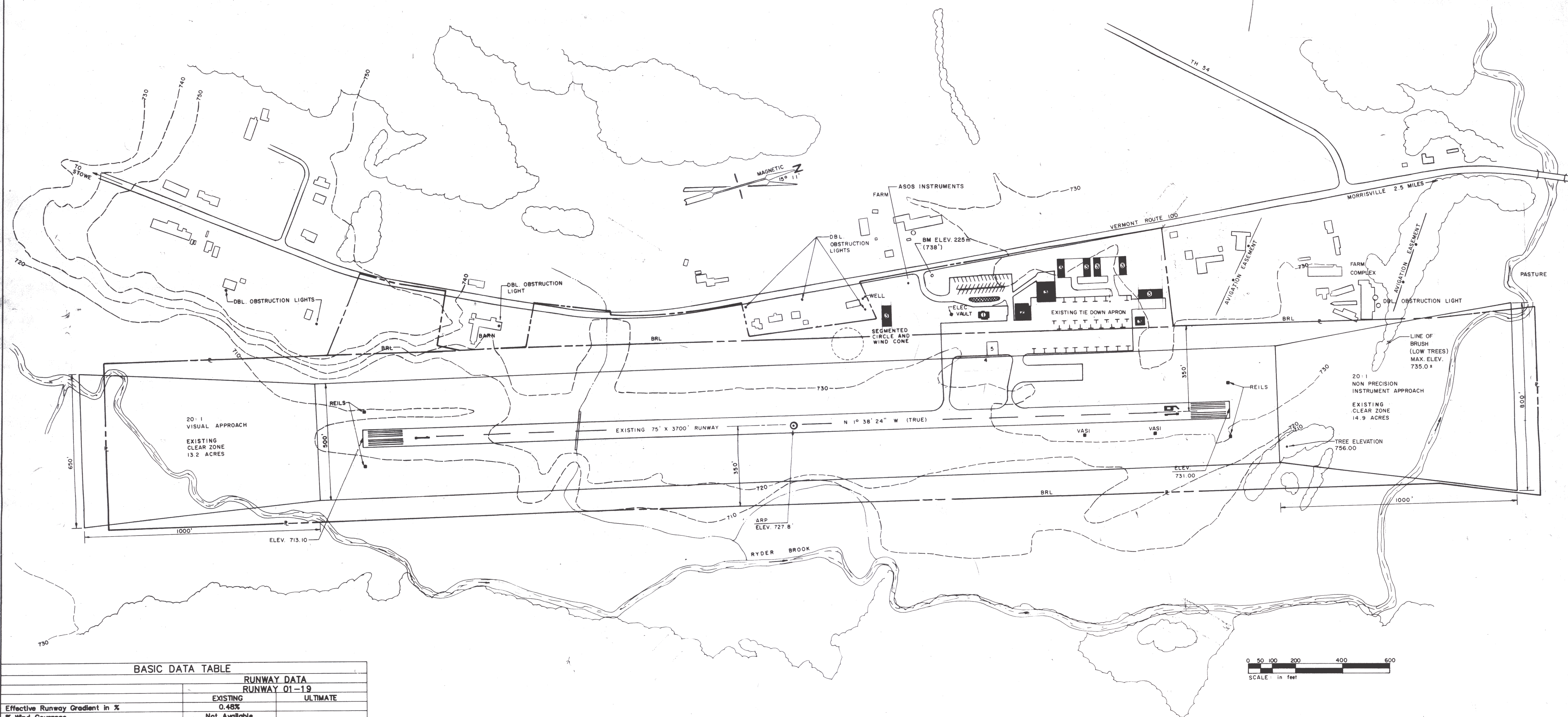
LIST OF DRAWINGS

1. COVER SHEET
2. EXISTING AIRPORT LAYOUT
3. EXISTING TOPOGRAPHY
4. AIRPORT LAYOUT PLAN
5. TERMINAL AREA PLAN
6. RUNWAY PLAN AND PROFILE
7. IMAGINARY SURFACES - F.A.R. PART 77
8. LAND USE PLAN



VERMONT AGENCY OF TRANSPORTATION
PROJECT NUMBER AIR 03 - 2063

FEDERAL AVIATION ADMINISTRATION
PROJECT NUMBER AIP 3 - 50 - 0012 - 05



Note: Due to lack of site specific wind data no wind roses are available.

BASIC DATA TABLE

RUNWAY DATA		EXISTING	ULTIMATE
Effective Runway Gradient in %	0.48%		
% Wind Coverage	Not Available		
Instrument Runway	Runway 19		
Pavement Strength	12,500 (sw) ^a		
Approach Slopes and Clear Zones	20:1		
Lighting	MIRLS		
Marking	Non-Precision		
Physical Length	3700'		
Width	75'		
Safety Area Length	300'		
Width	150'		
Obstacle Free Zone	250'		
Surface Composition	Asphalt		
Approach Category	NDB R/W 19		
Visual Aids	REILS/VASI-2		
Runway Category	Utility		
Taxiway Width			
Aircraft Design Group	II		
Aircraft Approach Speed Class	B		
AIRPORT DATA		EXISTING	ULTIMATE
Airport Reference Point (ARP) Coordinates	N 44° 32' 04.4" Lat. W 72° 36' 52.4" Long.		
Airport Elevation	732.1 MSL		
Mean Maximum Temperature of Hottest Month	79.9°		
Navigational Aid	NDB		

LEGEND

	EXISTING
Building Restriction Line	BRL
Airport Buildings and Hangars	[Solid Black]
Airport Property Line	[Dashed Line]
Property to be Acquired	[Dotted Line]
Easement to be Acquired	[Dash-dot Line]
Contour Lines	[Dashed with 'x' marks]
Fence	[Line with 'x' marks]
Tree Line	[Wavy Line]
Airport Pavement	[Hatched Pattern]
Safety Area and Clear Zone	As shown

AIRPORT FACILITIES

	EXISTING	ULTIMATE
1 Terminal Building		
2 F.B.O. Hangar		
3 Aircraft Storage		
4 Aircraft Fuel		
5 Concrete Aircraft Fueling Apron		

NO.	DESCRIPTION	BY	DATE	REVISION
	HANGAR ADDITION	SDS	10/93	
	HANGAR ADDITION	SDS	1/93	
	ASOS INSTRUMENTS	SDS	12/92	

MORRISVILLE/STOWE STATE AIRPORT
MORRISVILLE, VERMONT

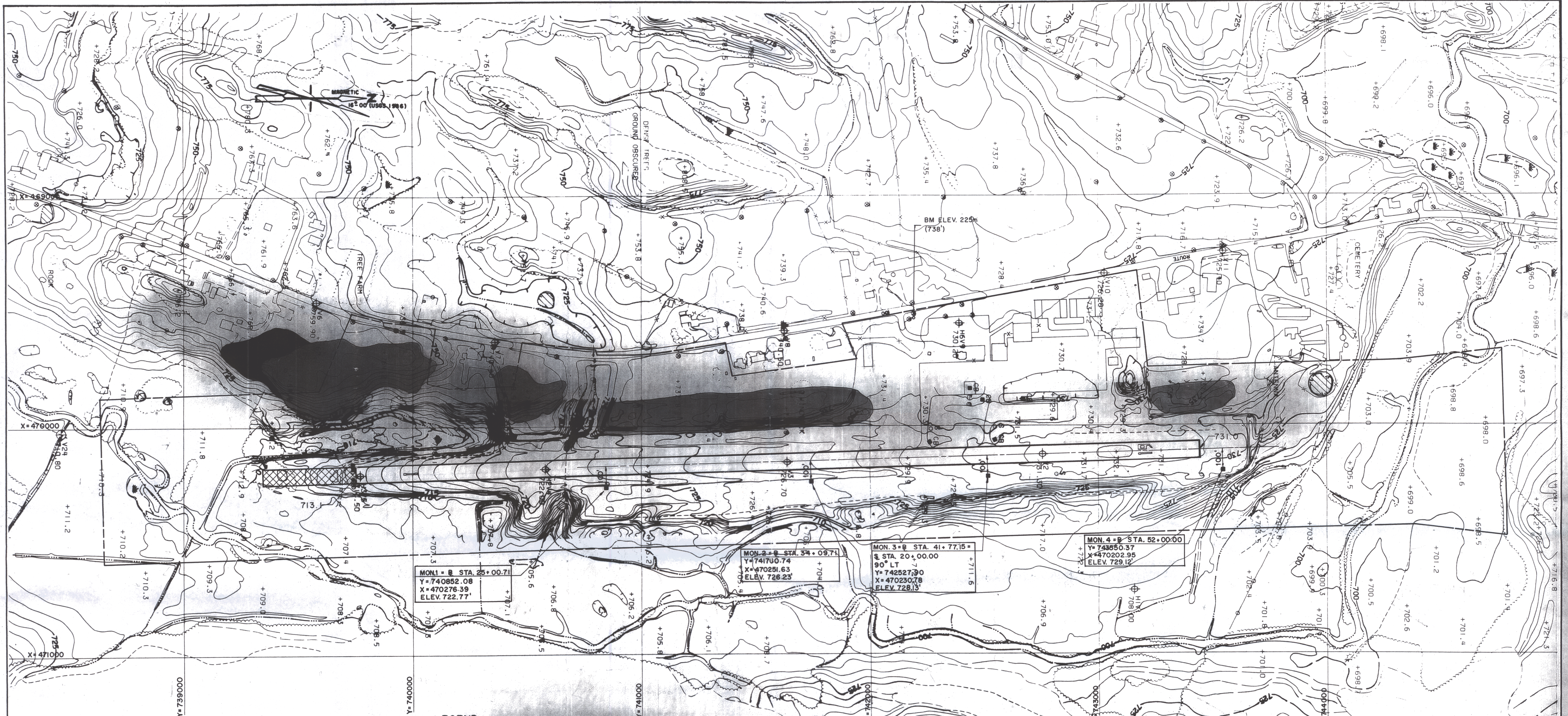
AIRPORT MASTER PLAN

EXISTING AIRPORT LAYOUT

GERALD D'AMICO, P.E.
 IN ASSOCIATION WITH
RIST-FROST
 RIST-FROST ASSOCIATES, P.C.
 CONSULTING ENGINEERS

ROXBURY,
 VERMONT 05669
 LACONIA,
 NEW HAMPSHIRE
 CLENS FALLS,
 NEW YORK

DRAWN BY: E.T. McLAUGHLIN
 ENGR. CHK.
 SCALE: 1" = 200'
 TRADE COORD. CHK.
 DATE: MAY, 1990
 TECH. MGR.
 PROJECT NO.: 88-2742
 PROJ. MGR.
 FILE NO.: 27421701
 DRAWING NO.: **2**
 SHEET **2** OF **8**
 REV. NO.



LEGEND

- | | | | |
|--|----------------------|--|---|
| | PAVED ROAD | | PROPERTY LINE |
| | GRAVEL ROAD | | EXISTING GROUND PENETRATION OF PART 77 SURFACES |
| | TRAILS | | FUTURE GROUND PENETRATION W/EXT. OF PART 77 SURFACE |
| | BUILDINGS | | 400' RUNWAY EXTENSION |
| | RIVER/STREAM | | |
| | LAKE/POND | | |
| | SWAMP | | |
| | STONEWALL | | |
| | FENCE | | |
| | RETAINING WALL | | |
| | TREELINE | | |
| | LONE TREE | | |
| | DENSE WOOD LIMIT | | |
| | CULVERT | | |
| | CATCH BASIN | | |
| | UTILITY POLE | | |
| | POLE | | |
| | SIGN | | |
| | SPOT ELEVATION | | |
| | CONTOURS | | |
| | OBSCURED CONTOURS | | |
| | LAND FORM LINES ONLY | | |

TOPOGRAPHIC WORKSHEET
 OF THE
STOWE STATE AIRPORT
 MORRISVILLE, VT.
 FOR
GERALD W. D'AMICO, P.E.
 ROXBURY, VT.
 BY
EASTERN TOPOGRAPHICS
 OSSISPEE, N.H.
 SCALE: 1" = 200' CONTOUR INTERVAL: 1' & 5"
 PHOTO DATE: 23 NOV 88 B

ANY USER SHOULD DETERMINE THE SUITABILITY OF THIS AERIAL MAPPING FOR HIS INTENDED USE AND ASSUME ALL RISK AND LIABILITY IN CONNECTION THEREWITH.
 SHEET 1 OF 1 L5C/873

MON. 1 = B STA. 25+00.71
 Y=740852.08
 X=470276.39
 ELEV. 722.77'

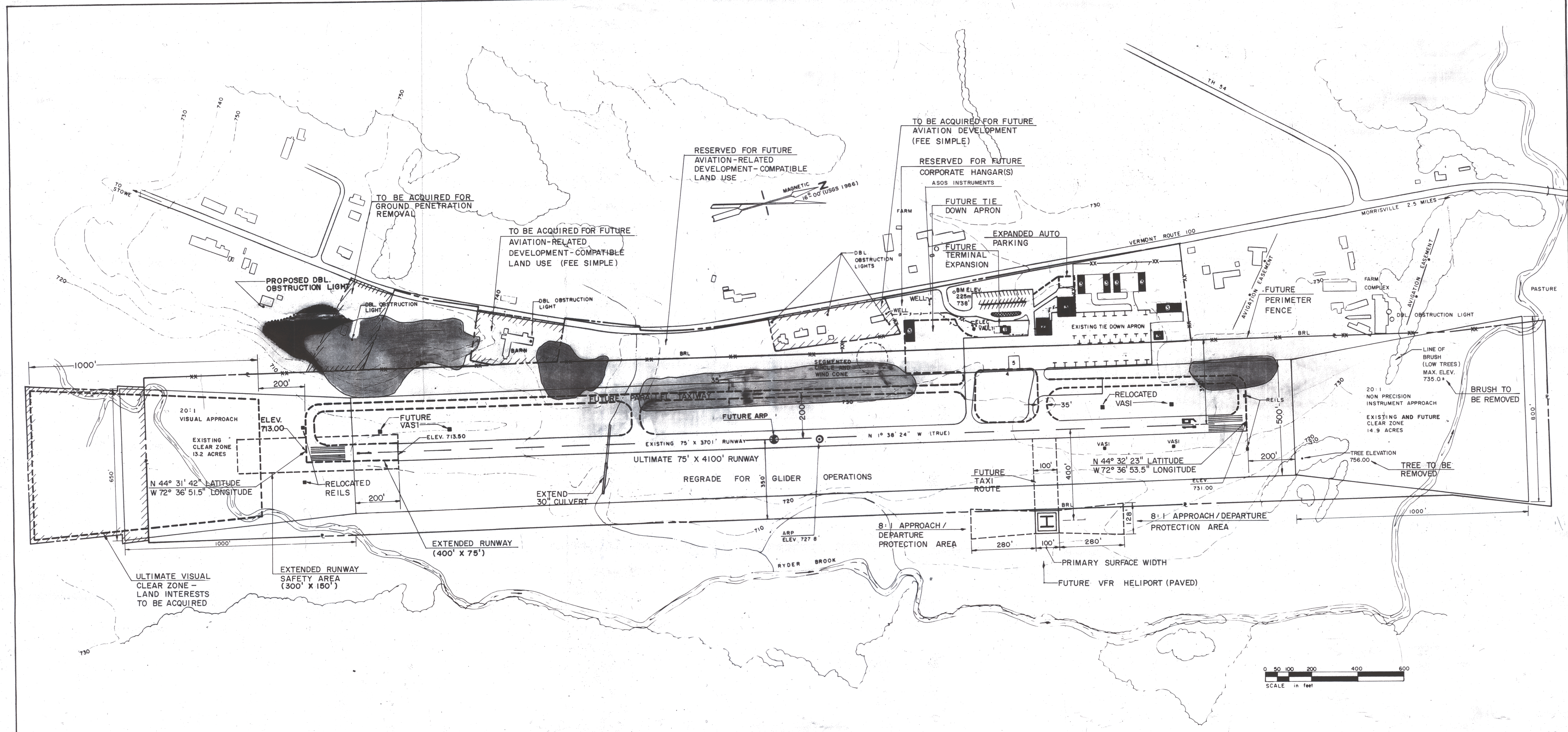
MON. 2 = B STA. 34+09.71
 Y=741750.74
 X=470251.63
 ELEV. 726.23'

MON. 3 = B STA. 41+77.15 =
 S STA. 20+00.00
 90° LT
 Y=742527.90
 X=470230.78
 ELEV. 728.13'

MON. 4 = B STA. 52+00.00
 Y=743550.37
 X=470202.95
 ELEV. 729.12'

NO. DESCRIPTION		REVISION	BY/DATE
1	HANGER ADDITION		5/85
2	HANGER ADDITION		5/85

MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT		DRAWN BY D. BILODEAU	ENGR. CHK.
AIRPORT MASTER PLAN		SCALE 1" = 200'	TRADE COORD. CHK.
EXISTING TOPOGRAPHY		DATE MAY, 1990	TECH. MGR.
GERALD D'AMICO, P.E. IN ASSOCIATION WITH RIST-FROST RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS		PROJECT NO. 88-2742	PROJ. MGR.
ROXBURY, VERMONT 05669 LACONIA, NEW HAMPSHIRE GLENS FALLS, NEW YORK		FILE NO. 2742-701	
		DRAWING NO. 3	
		SHEET 3 OF 8	REV. NO.



BASIC DATA TABLE

	RUNWAY DATA RUNWAY 01-19	
	EXISTING	ULTIMATE
Effective Runway Gradient in %	0.48%	0.44%
% Wind Coverage	Not Available	Not Available
Instrument Runway	Runway 19	Runway 19
Pavement Strength	12,500 (sw)*	30,000 (sw)*
Approach Slopes and Clear Zones	20:1	20:1
Lighting	MIRLS & MITLS	MIRLS & MITLS
Marking	Non-Precision	Non-Precision
Physical Length	3700'	4100'
Width	75'	75'
Safety Area Length	300'	300'
Width	150'	150'
Obstacle Free Zone	250'	250'
Surface Composition	Asphalt	Asphalt
Approach Category	NDB R/W 19	Improved Non-Precision*
Visual Aids	REILS/VASI-2	REILS/VASI-2 AND 19
Runway Category	Utility	Utility
Taxiway Width		35'
Aircraft Design Group	II	II
Aircraft Approach Speed Class	B	B

	AIRPORT DATA	
	EXISTING	ULTIMATE
Airport Reference Point (ARP) Coordinates	N 44° 32' 04.4" Lat. W 72° 36' 52.4" Long.	N 44° 32' 02.5" Lat. W 72° 36' 52.4" Long.
Airport Elevation	732.1 MSL	732.1 MSL
Mean Maximum Temperature of Hottest Month	79.9°	79.9°
Navigation Aid	NDB	NDB

*Values given are gross aircraft weight for single wheel (SW) ** See technical report for further discussion.

LEGEND

	EXISTING	ULTIMATE
Building Restriction Line	BRL	As shown
Airport Buildings and Hangars	As shown	As shown
Airport Property Line	As shown	As shown
Property to be Acquired	As shown	As shown
Easement to be Acquired	As shown	As shown
Contour Lines	As shown	As shown
Fence	As shown	As shown
Tree Line	As shown	As shown
Airport Pavement	As shown	As shown
Safety Area and Clear Zone	As shown	As shown
Ground Penetrations	As shown	As shown
Airport Reference Point (ARP)	As shown	As shown

AIRPORT FACILITIES

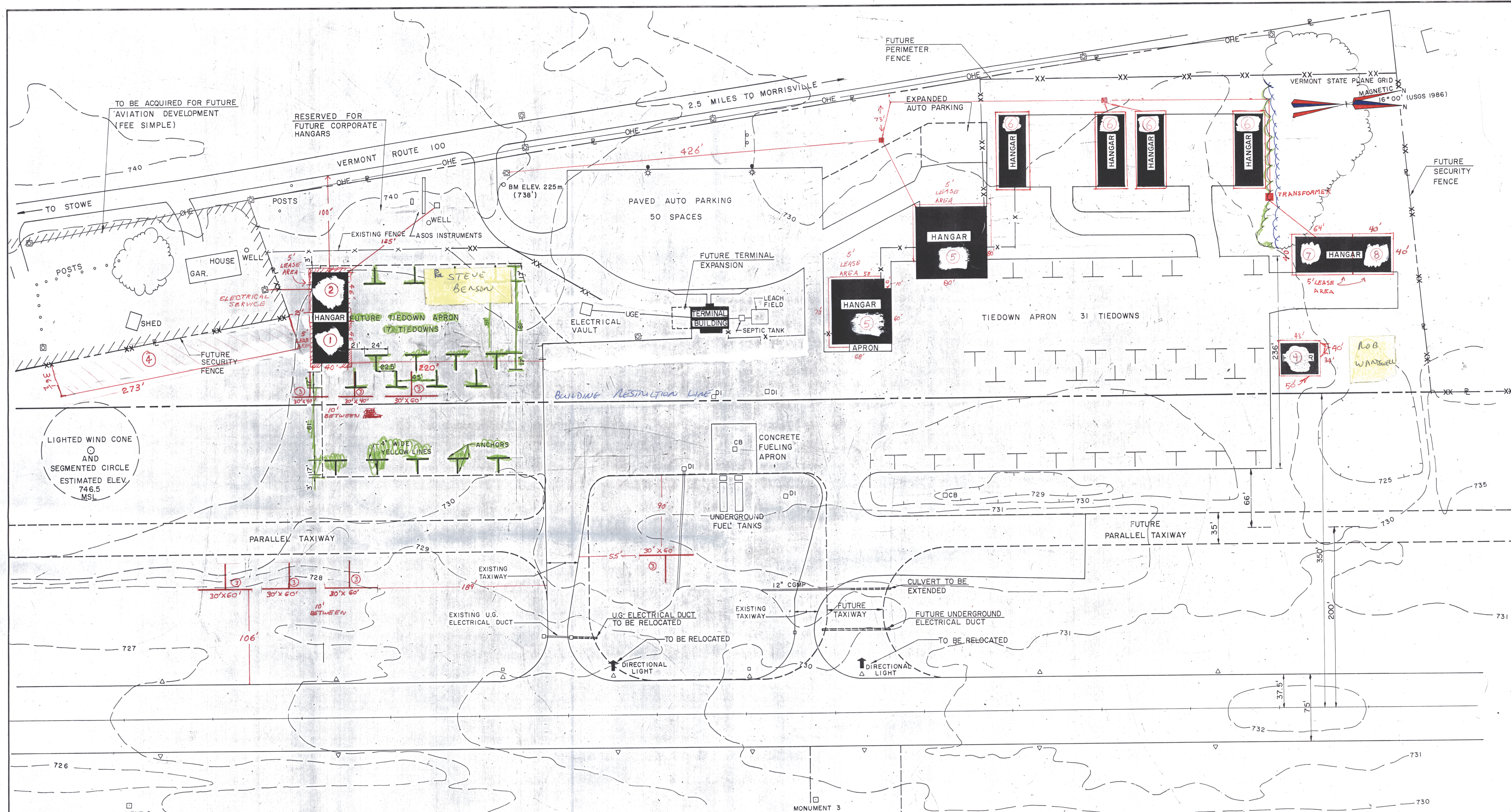
	EXISTING	ULTIMATE
1 Terminal Building		Same
2 F.B.O. Hangar		Same
3 Aircraft Storage		As shown
4 Aircraft Fuel		Same
5 Concrete Aircraft Fueling Apron		Same

APPROVED	APPROVED
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	VERMONT AGENCY OF TRANSPORTATION
Airports Division Planning Branch	Secretary
Date	Date

NO.	DESCRIPTION	BY	DATE
1	HANGAR ADDITION	SDS	10/83
2	HANGAR ADDITION	SDS	11/83
3	ASOS INSTRUMENTS	SDS	12/82
4	ASOS INSTRUMENTS	SDS	12/82

Notes: Due to lack of site specific wind data no wind roses are available.
F.A.A. waiver required for Runway/Taxiway separation.
Waivers may be required for ground penetrations to specified Part 77 surfaces.

MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT		DRAWN BY P.T. McLAUGHLIN	ENGR. CHK.
AIRPORT MASTER PLAN		SCALE 1" = 200'	TRADE COORD. CHK.
AIRPORT LAYOUT PLAN		DATE MAY, 1990	TECH. MGR.
GERALD D'AMICO, P.E. IN ASSOCIATION WITH RIST-FROST RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS		PROJECT NO. 88-2742	PROJ. MGR.
ROXBURY, VERMONT 05669 LACONIA, NEW HAMPSHIRE GLENS FALLS, NEW YORK		FILE NO. 27421701	
		DRAWING NO. 4	REV. NO.
		SHEET 4 OF 8	



TO BE ACQUIRED FOR FUTURE AVIATION DEVELOPMENT (FEE SIMPLE)

RESERVED FOR FUTURE CORPORATE HANGARS

2.5 MILES TO MORRISVILLE

VERMONT STATE PLANE GRID MAGNETIC 16° 00' (USGS 1986)

LIGHTED WIND CONE AND SEGMENTED CIRCLE ESTIMATED ELEV. 746.5 MSL

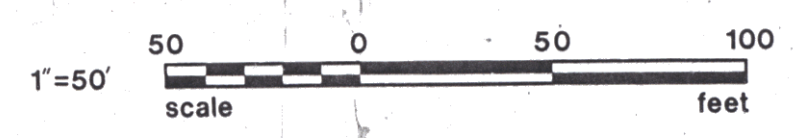
PARALLEL TAXIWAY

FUTURE PARALLEL TAXIWAY

MONUMENT 2

MONUMENT 3

- ① Bisson 7-29-93
- ② LISA DARDEN 7-29-93
- ③ DAVID H. WHITCOMB
- ④ MEREDITH MARSHALL 9-4-78
- ⑤ PHIL'S AIRCRAFT SERVICE 2-10-93
- ⑥ PETER AND JIM WELLS LISA DARDEN, PEGARIS ENT
- ⑦ LEONARD DUBOIS 6-29-93
- ⑧ LEONARD DUBOIS 6-29-93
- ⑨ ROBERT JUZEK 1-24-85



Lease Area

LEGEND		
	EXISTING	ULTIMATE
Building Restriction Line	BRL	BRL
Airport Buildings and Hangars		As shown
Airport Property Line		As shown
Property to be Acquired		As shown
Easement to be Acquired		As shown
Contour Lines		As shown
Fence		As shown
Tree Line		As shown
Airport Pavement		As shown
Safety Area and Clear Zone	As shown	As shown
Ground Penetrations		As shown
Airport Reference Point (ARP)		As shown

FUTURE TAXI ROUTE

FUTURE VFR HELIPORT (PAVED)

NO.	DESCRIPTION	BY DATE
1	HANGAR ADDITION	SSS 10/93
2	HANGAR ADDITION	SSS 1/93
3	ASOS INSTRUMENTS	SSS 12/92
4	NO. DESCRIPTION	BY DATE

MORRISVILLE/STOWE STATE AIRPORT
MORRISVILLE, VERMONT

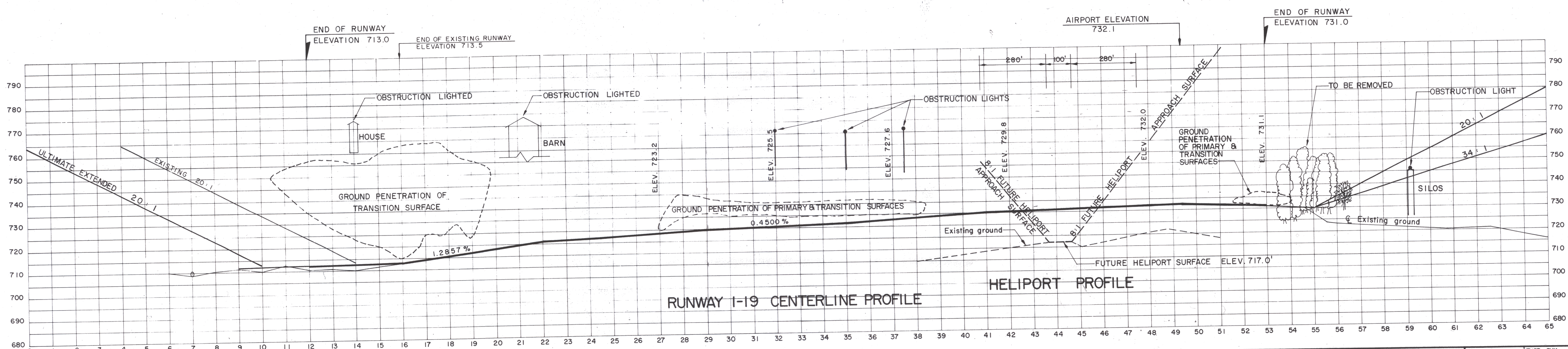
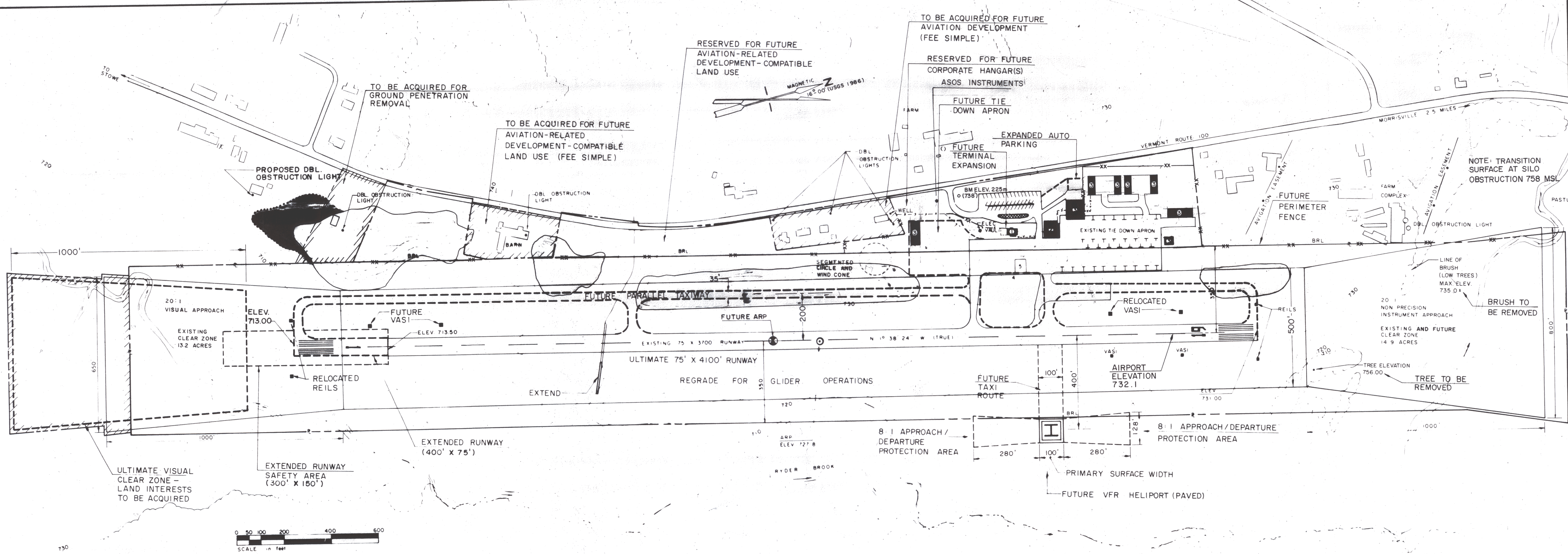
AIRPORT MASTER PLAN

TERMINAL AREA PLAN

GERALD D'AMICO, P.E.
IN ASSOCIATION WITH
RISTFROST
RIST-FROST ASSOCIATES, P.C.
CONSULTING ENGINEERS

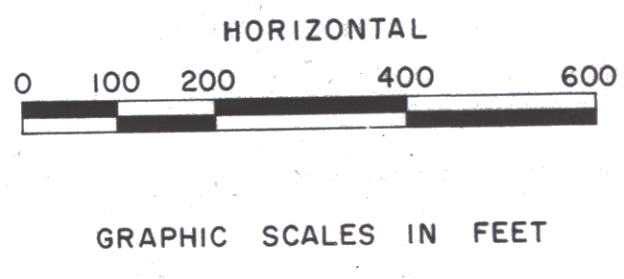
ROXBURY, VERMONT 05669
LACONIA, NEW HAMPSHIRE
GLENS FALLS, NEW YORK

DRAWN BY: RT McLAUGHLIN
SCALE: 1" = 50'
DATE: MAY, 1990
PROJECT NO.: 05-144
FILE NO.: 2-421-01
DRAWING NO.: **5**
SHEET 5 OF 8



LEGEND

- EXISTING AVIATION BUILDINGS
- EXISTING NON-AVIATION RELATED BUILDINGS



NO.	DESCRIPTION	BY	DATE
1	HANGAR ADDITIONS	SDS	10/93
2	HANGAR ADDITIONS	SDS	1/93
3	ASOS INSTRUMENTS	SDS	12/92
4	NO.	DESCRIPTION	BY

MORRISVILLE/STOWE STATE AIRPORT
MORRISVILLE, VERMONT

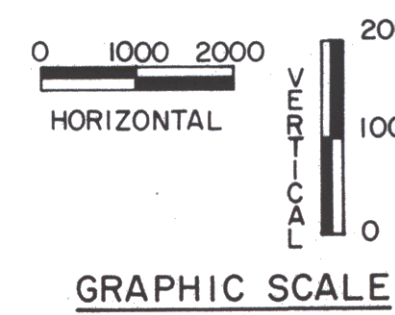
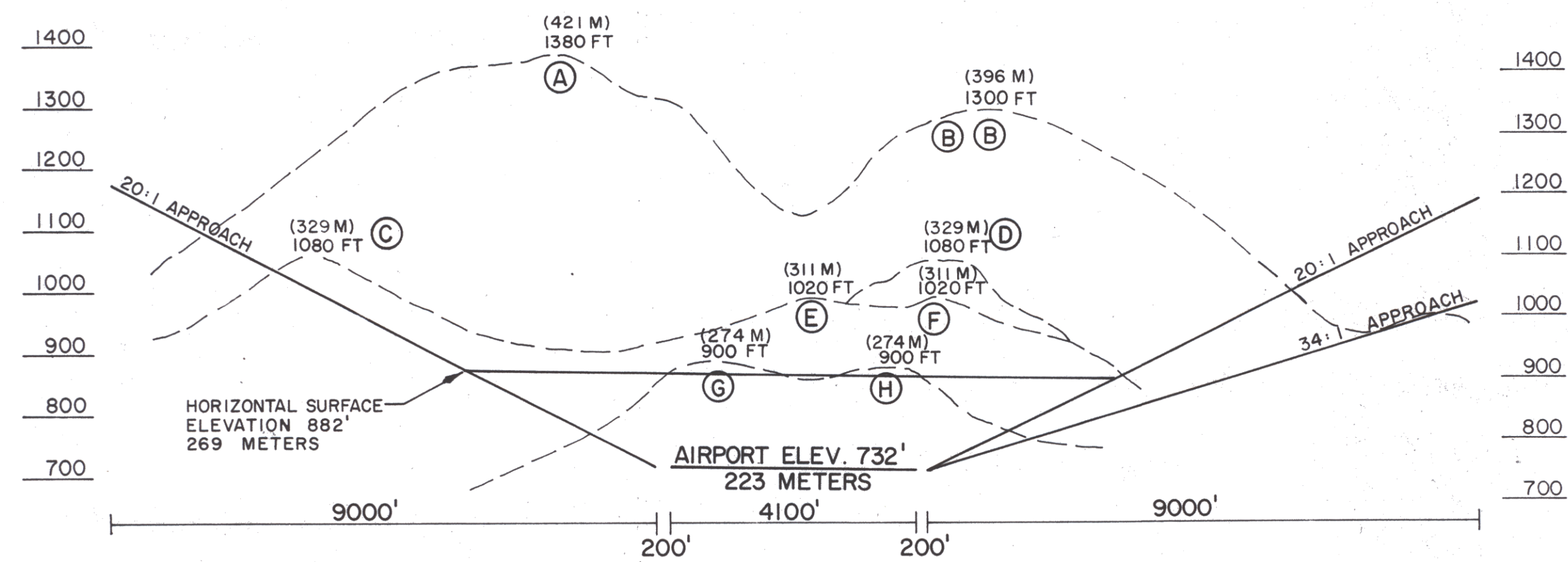
AIRPORT MASTER PLAN

RUNWAY PLAN & PROFILE

GERALD D'AMICO, P.E.
RIST-FROST ASSOCIATES, P.C.
CONSULTING ENGINEERS

ROXBURY, VERMONT 05669
LACONIA, NEW HAMPSHIRE
GLENS FALLS, NEW YORK

DRAWN BY PT. McLAUGHLIN	ENGR. CHK.
SCALE 1" = 200'	TRADE COORD. CHK.
DATE MAY, 1990	TECH. MGR.
PROJECT NO. SR-1742	PROJ. MGR.
FILE NO. 2742	
DRAWING NO. 6	
SHEET 6 OF 8	REV. NO.

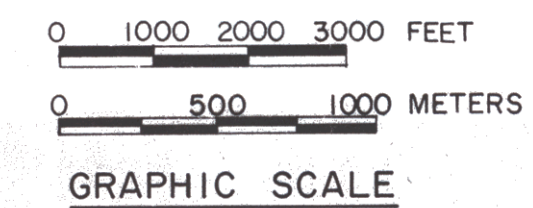
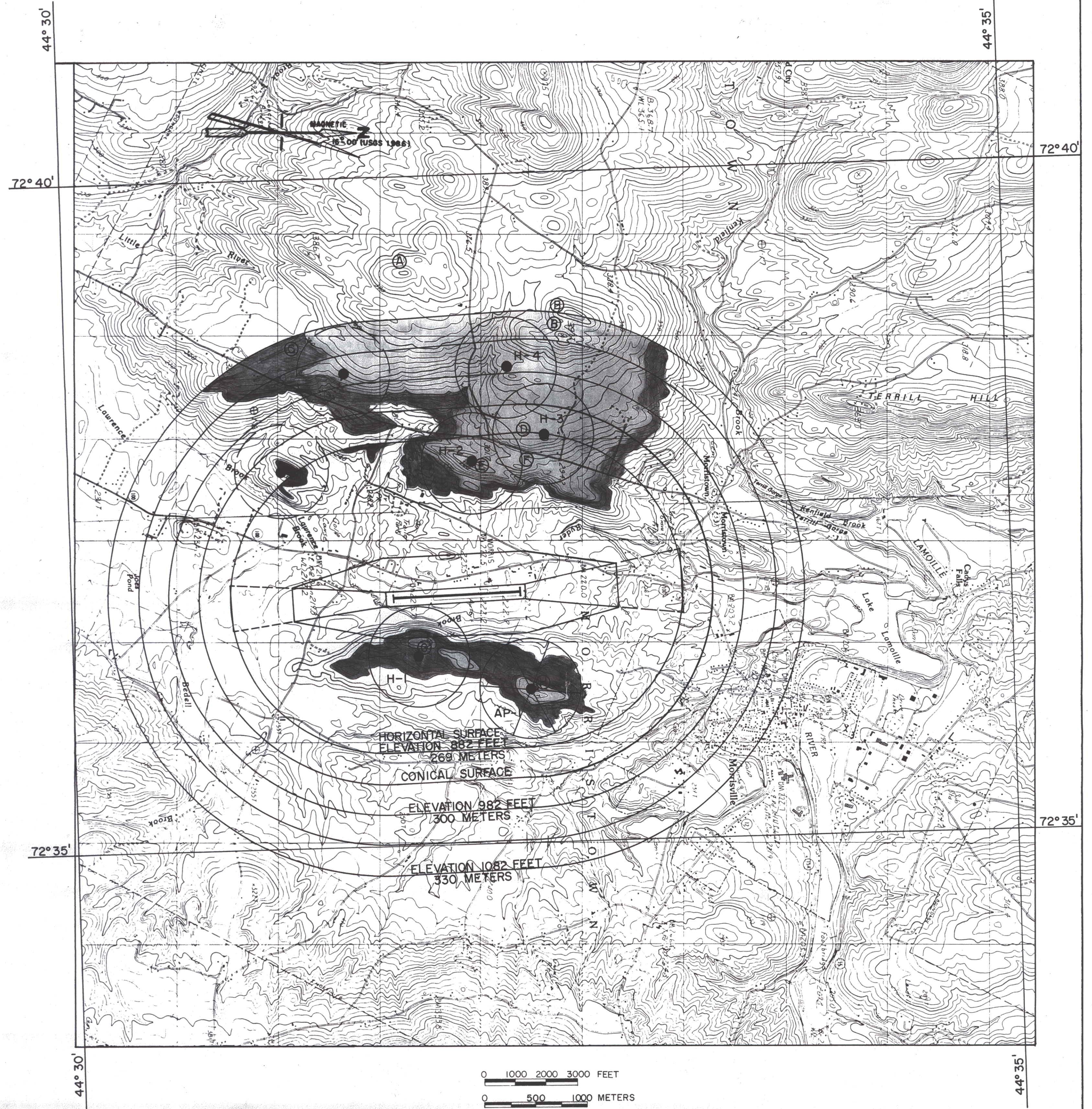


NOTES

- SEE DRAWING NO. 3 (EXISTING TOPOGRAPHY) AND DRAWING NO. 6 (PLAN AND PROFILE) FOR FURTHER DETAIL OF GROUND OBSTRUCTIONS IN IMMEDIATE AIRPORT ENVIRONMENT.
- BASE MAP IS USGS QUADRANGLE MAPS 44072-E5-TM-024 (1986) AND 44072-E6-TM-024 (1986).
- HORIZONTAL DATUM IS BASED ON VERMONT GRID COORDINATE SYSTEM. VERTICAL DATUM IS BASED ON MEAN SEA LEVEL.

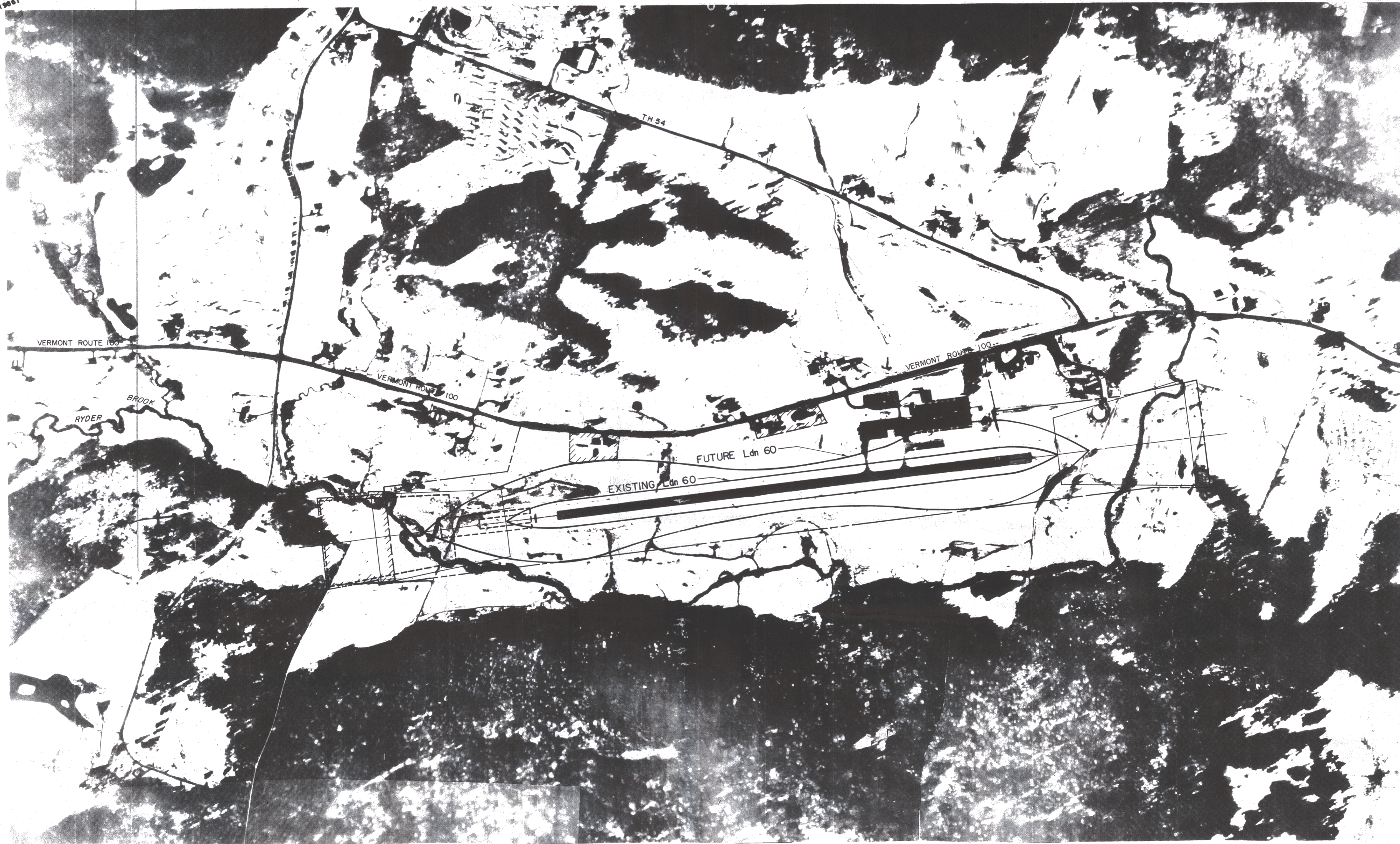
LEGEND

- TREE PENETRATIONS (ASSUMED 50' TREE HEIGHT)
- GROUND PENETRATIONS
- EXISTING HAZARD BEACONS CIRCLE OF INFLUENCE (RADIUS) = 1500' (H-1 TO H-4)
- 36" ROTATING BEACON (AP-1)
- FUTURE HAZARD BEACONS
- GROUND ELEVATIONS
- GROUND ELEVATIONS PROFILE



NO. DESCRIPTION REVISION	MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT		DRAWN BY RT. McLAUGHLIN	ENGR. CHK. TRADE COORD. CHK.
	AIRPORT MASTER PLAN IMAGINARY SURFACES - F.A.R. PART 77		SCALE AS SHOWN	TECH. MGR.
	GERALD D'AMICO, P.E. IN ASSOCIATION WITH RISTFROST RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS		DATE MAY, 1990	PROJ. MGR.
	ROXBURY, VERMONT 05669 LACONIA, NEW HAMPSHIRE GLENS FALLS, NEW YORK		PROJECT NO. 88-2742	FILE NO. 27421701
		7		REV. NO.
		SHEET 7 OF 8		

MAGNETIC
16° 00' (USGS 1986)



NO. DESCRIPTION REVISION		MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT AIRPORT MASTER PLAN LAND USE PLAN	DRAWN BY D. BILLOREWS	ENGR. CHK.
			SCALE 1" = 400'	TRADE COORD. CHK.
			DATE MAY, 1990	TECH. MGR.
			PROJECT NO. 88-2742	PROJ. MGR.
		FILE NO. 27421701		
		DRAWING NO. 8		
		SHEET 8 OF 8	REV. NO.	

GERALD D'AMICO, P.E.
IN ASSOCIATION WITH
RISTFROST
RIST-FROST ASSOCIATES, P.C.
CONSULTING ENGINEERS

ROXBURY,
VERMONT 05669
LACONIA,
NEW HAMPSHIRE
GLENS FALLS,
NEW YORK