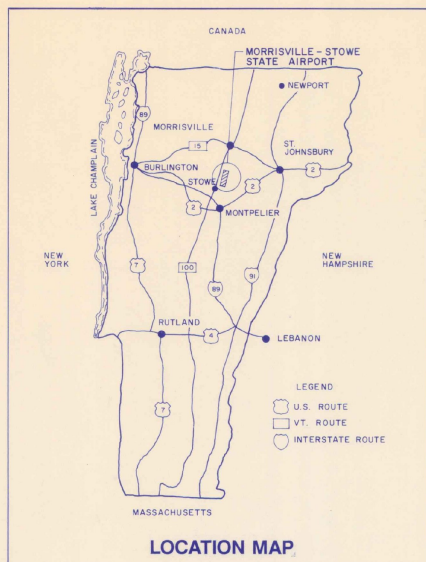


# MORRISVILLE - STOWE STATE AIRPORT MORRISTOWN, VERMONT

## AIRPORT MASTER PLAN

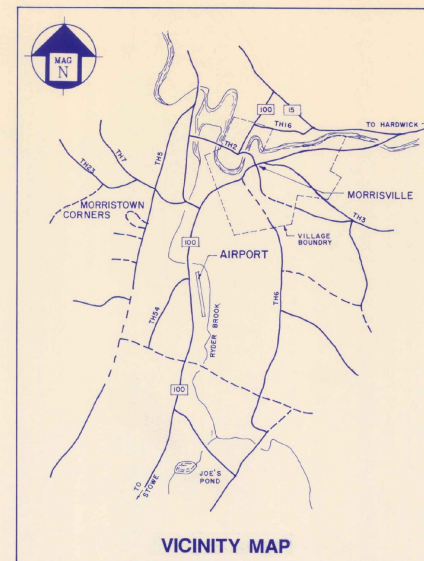


PREPARED FOR:  
VERMONT AGENCY OF TRANSPORTATION

PREPARED BY:  
GERALD D'AMICO, P.E.  
IN ASSOCIATION WITH  
RIST-FROST ASSOCIATES, P.C.

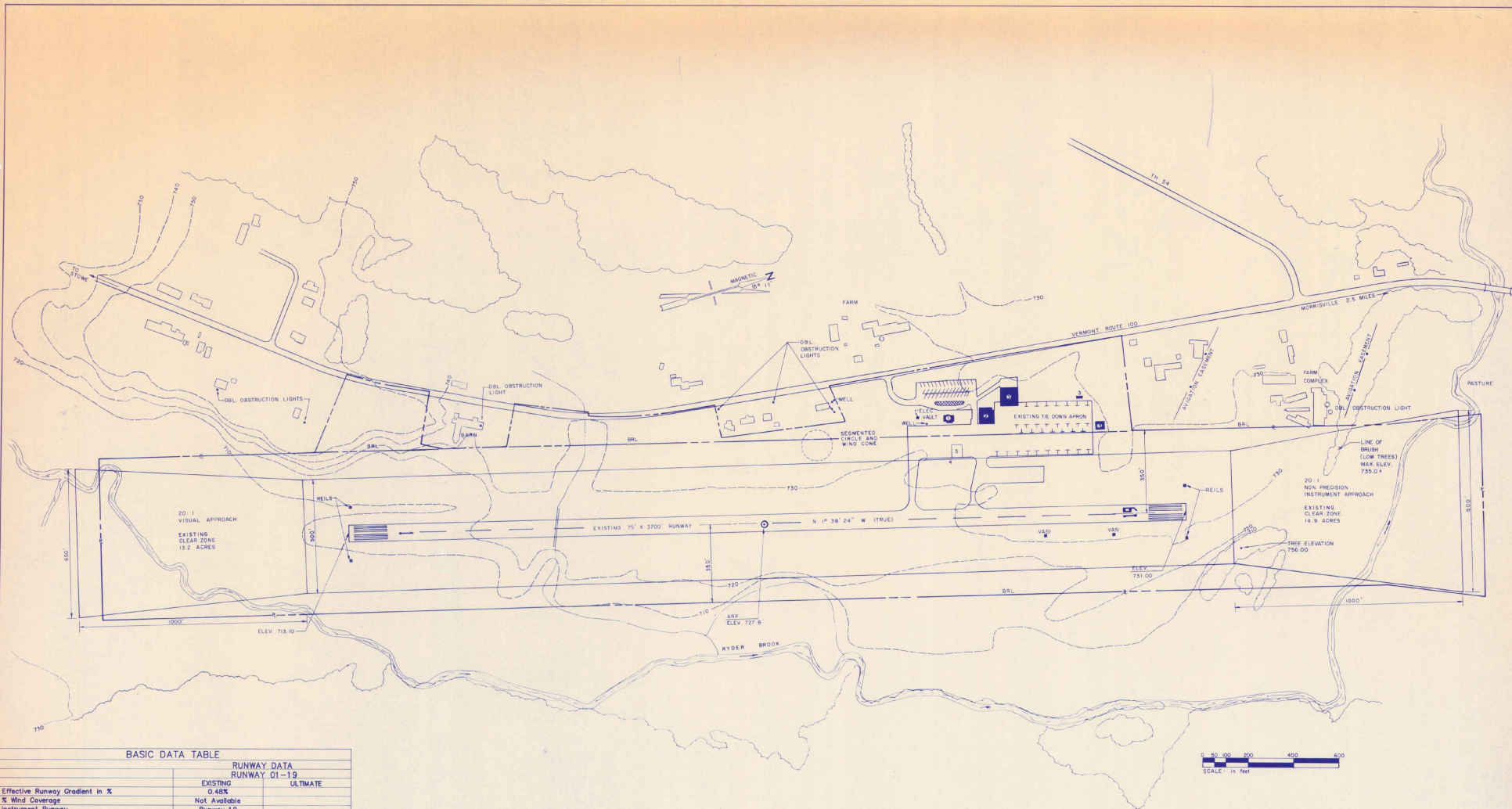
### LIST OF DRAWINGS

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



**BASIC DATA TABLE**

	RUNWAY DATA RUNWAY 01-19	
	EXISTING	ULTIMATE
Effective Runway Gradient in %	0.485	
% Wind Coverage	Not Available	
Instrument Runway	Runway 19	
Pavement Strength	12,500 (sw)	
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	RELS/VASI-2	
Runway Category	Utility	
Taxiway Width		
Aircraft Design Group	II	
Aircraft Approach Speed Class	B	

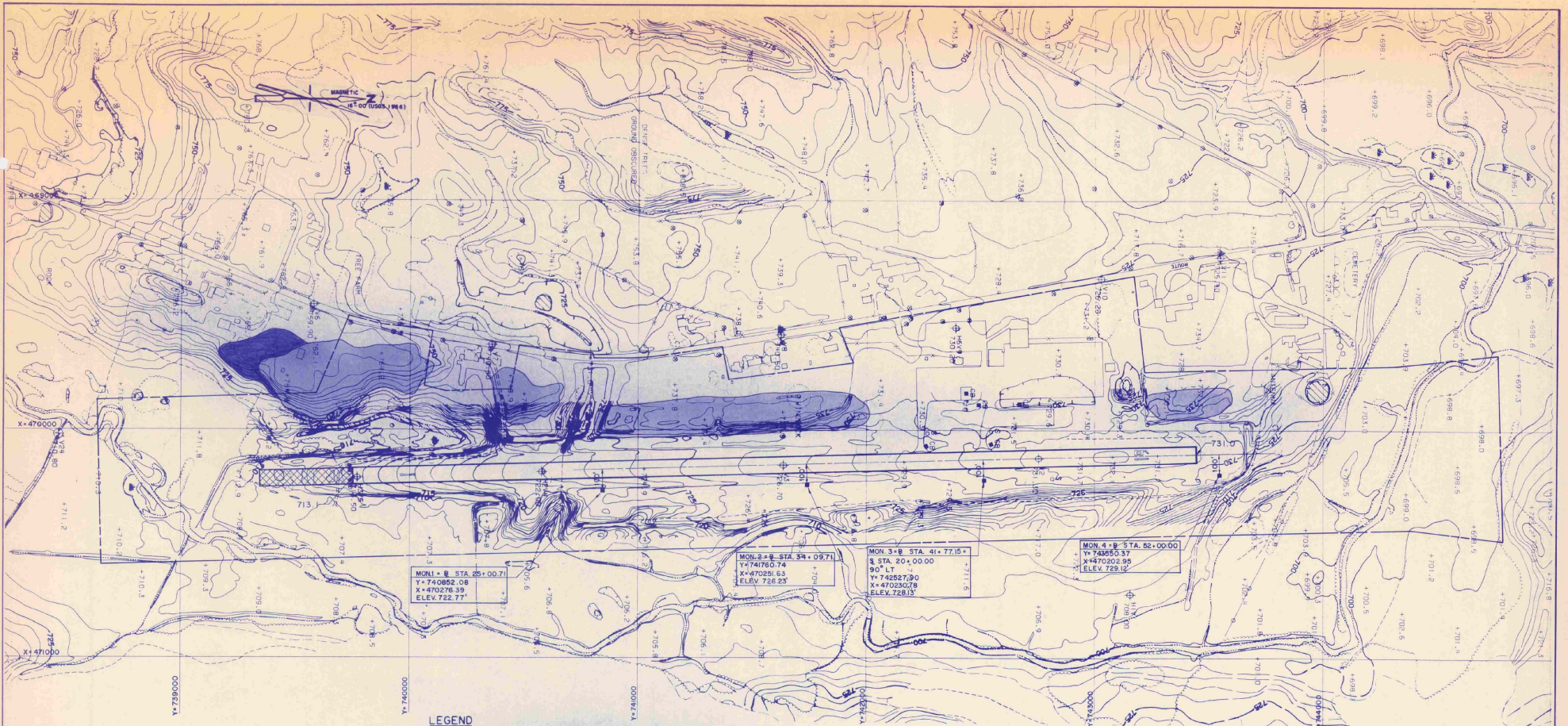
	AIRPORT DATA	
	EXISTING	ULTIMATE
Airport Reference Point (ARP) Coordinates	N 44° 32' 04.4" Lat. W 72° 36' 52.4" Long.	
Airport Elevation	732.1 MSL	
Mean Maximum Temperature of Hottest Month	79.9°	
Navigation Aid	NDB	

\*Values given are gross aircraft weight for single wheel (SW)

LEGEND	
	EXISTING
Building Restriction Line	BRL
Airport Buildings and Hangars	[Symbol]
Airport Property Line	[Symbol]
Property to be Acquired	[Symbol]
Easement to be Acquired	[Symbol]
Contour Lines	[Symbol]
Fence	[Symbol]
Tree Line	[Symbol]
Airport Pavement	[Symbol]
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	BY DATE	MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT		DRAWN BY	ENGR. CHK.
				AIRPORT MASTER PLAN		SCALE	TRADE COORD. CHK.
				EXISTING AIRPORT LAYOUT		1" = 200'	
				GERALD D'AMICO, P.E. IN ASSOCIATION WITH <b>RIST-FROST</b> RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS		ROXBURY, VERMONT 05669	LACONIA, NEW HAMPSHIRE GLENS FALLS, NEW YORK
				FILE NO. 27421701		DATE MAY, 1990	TECH. MGR.
				PROJECT NO. 98-2742		PROJ. MGR.	
				DRAWING NO. 2		REV. NO.	
				SHEET 2 OF 8			



**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                |  |   |
|  | STONE WALL           |  |   |
|  | 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 |  |   |

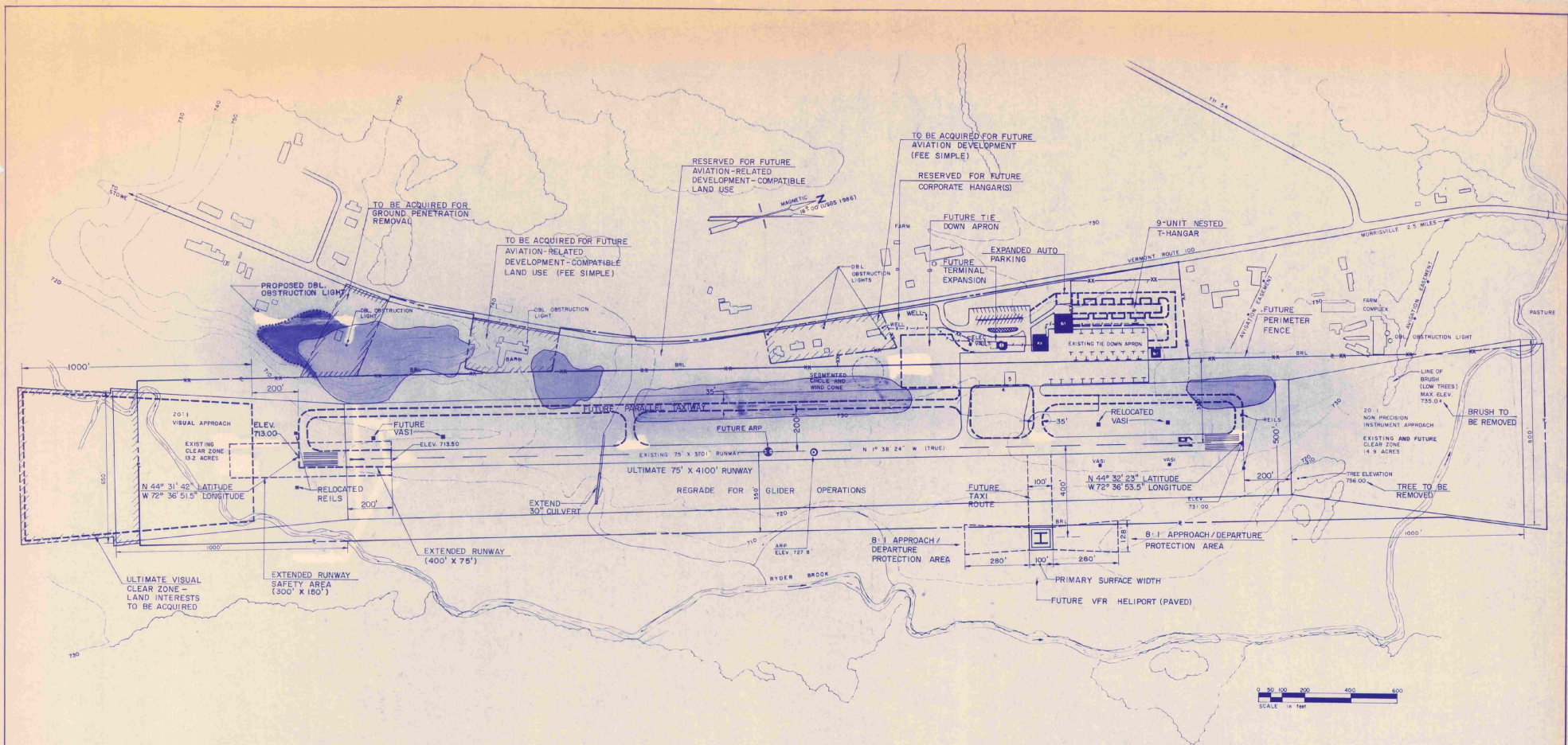
TOPOGRAPHIC WORKSHEET  
OF THE  
STOWE STATE AIRPORT  
MORRISVILLE, VT.  
FOR  
**GERALD W. D'AMICO, P.E.**

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 LSC/873

NO. DESCRIPTION REVISION	BY DATE	MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT	DRAWN BY D. BELLEPEAU	ENGR. CHK.
		TRADE COORD. CHK.	SCALE 1" = 200'	
		DATE MAY, 1990	PROJECT NO. 88-7742	TRON. MGR.
		FILE NO. 27421701	PROJ. MGR.	
		<b>EXISTING TOPOGRAPHY</b>	DRAWING NO.	
		GERALD D'AMICO, P.E. IN ASSOCIATION WITH <b>RISTFROST</b> RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS	ROXBURY, VERMONT 05669	LACONIA, NEW HAMPSHIRE GLENS FALLS, NEW YORK
			REV. <b>3</b>	
			SHEET 3 OF 8	REV.



BASIC DATA TABLE

RUNWAY DATA		
RUNWAY 01-19		
Effective Runway Gradient in %	EXISTING 0.48%	ULTIMATE 0.44%
% Wind Coverage	Not Available	Not Available
Instrument Runway	Runway 19	Runway 19
Pavement Strength	12,500 (psi)	30,000 (psi)
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	NOB R/W 19	Improved Non-Precision
Visual Aids	W 1/2 REILS/VASI-2	W 1/2 REILS/VASI-2
Runway Category	Utility	Utility
Taxiway Width	II	II
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	78.9°	78.9°
Navigation Aid	NDB	NDB

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

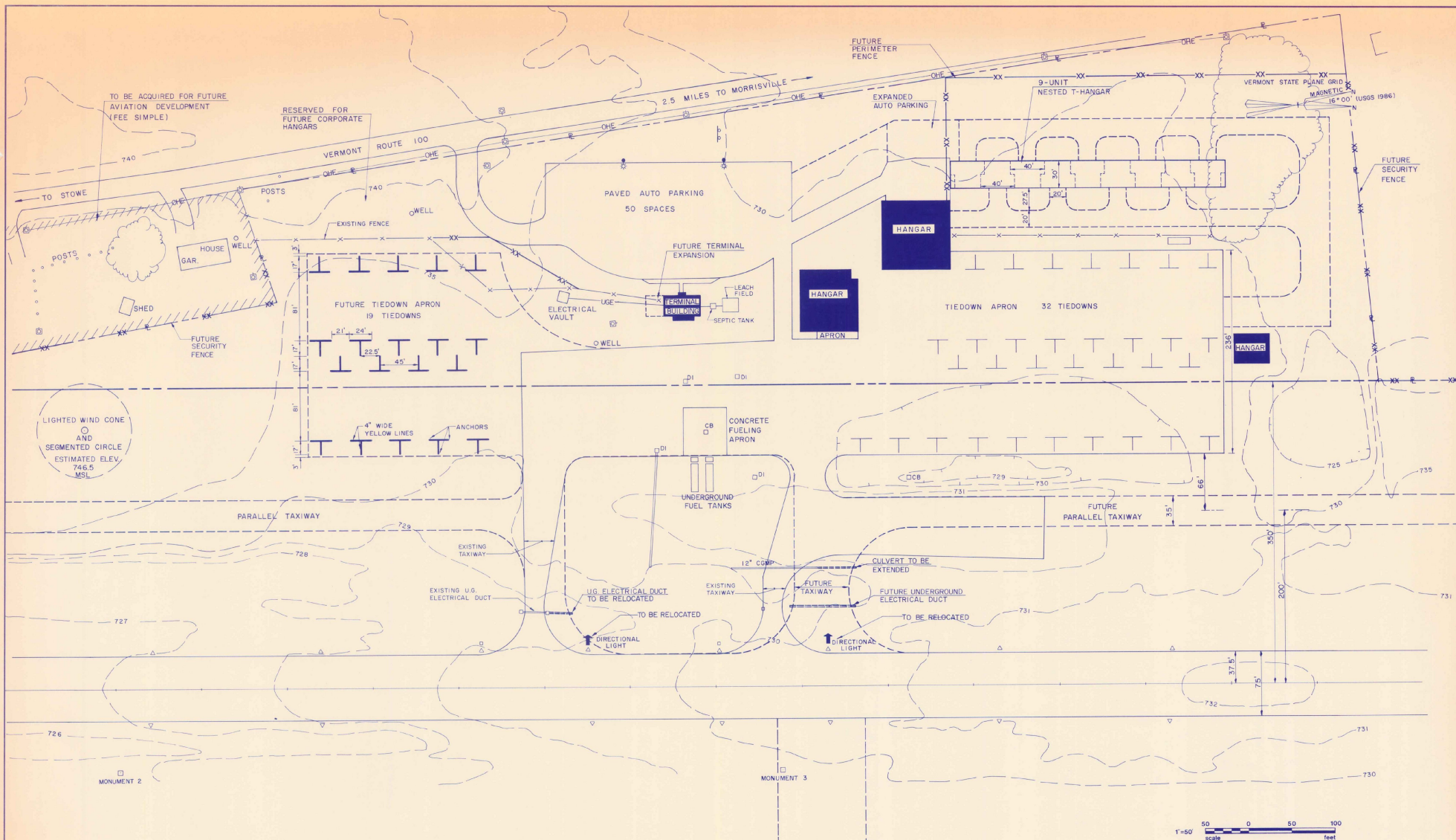
LEGEND		
	EXISTING	ULTIMATE
Building Restriction Line	BRL	BRL
Airport Buildings and Hangars	As shown	As shown
Airport Property Line	As shown	As shown
Property to be Acquired	As shown	As shown
Easement to be Acquired	As shown	As shown
Contour Lines	As shown	As shown
Fence	As shown	As shown
Tree Line	As 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		Some
2 F.B.O. Hangar		Some
3 Aircraft Storage		As shown
4 Aircraft Fuel		Some
5 Concrete Aircraft Fueling Apron		Some

APPROVED	APPROVED
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	VERMONT AGENCY OF TRANSPORTATION
<i>[Signature]</i> Airports Division Planning Branch Date MAR 15 1991	<i>[Signature]</i> Secretary Date 3/11

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.

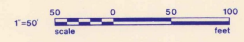
NO. DESCRIPTION REVISION	BY DATE	BY DATE	<b>MORRISVILLE/STOWE STATE AIRPORT</b> <b>MORRISVILLE, VERMONT</b> <b>AIRPORT MASTER PLAN</b> <b>AIRPORT LAYOUT PLAN</b> GERALD D'AMICO, P.E. IN ASSOCIATION WITH: <b>RIST-FROST</b> RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS ROXBURY, VERMONT 05669 LACONIA, NEW HAMPSHIRE GLENS FALLS, NEW YORK	ENGR. CHK. TRADE COORD. CHK. TECH. MGR. PROJ. MGR. FILE NO. 27421701 DRAWING NO. 4 SHEET 4 OF 8 REV. NO.
	SCALE = 1" = 200'	DATE MAY 1990		
	PROJECT NO. 88-2742	PROJ. MGR.		
	DATE	ENGR. CHK.		



LEGEND		
	EXISTING	ULTIMATE
Building Restriction Line	BRL	BRL
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

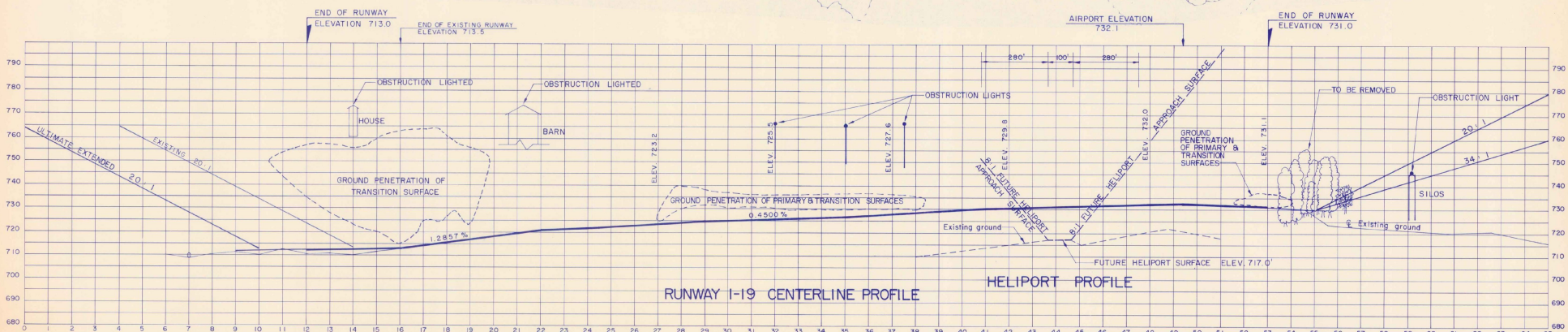
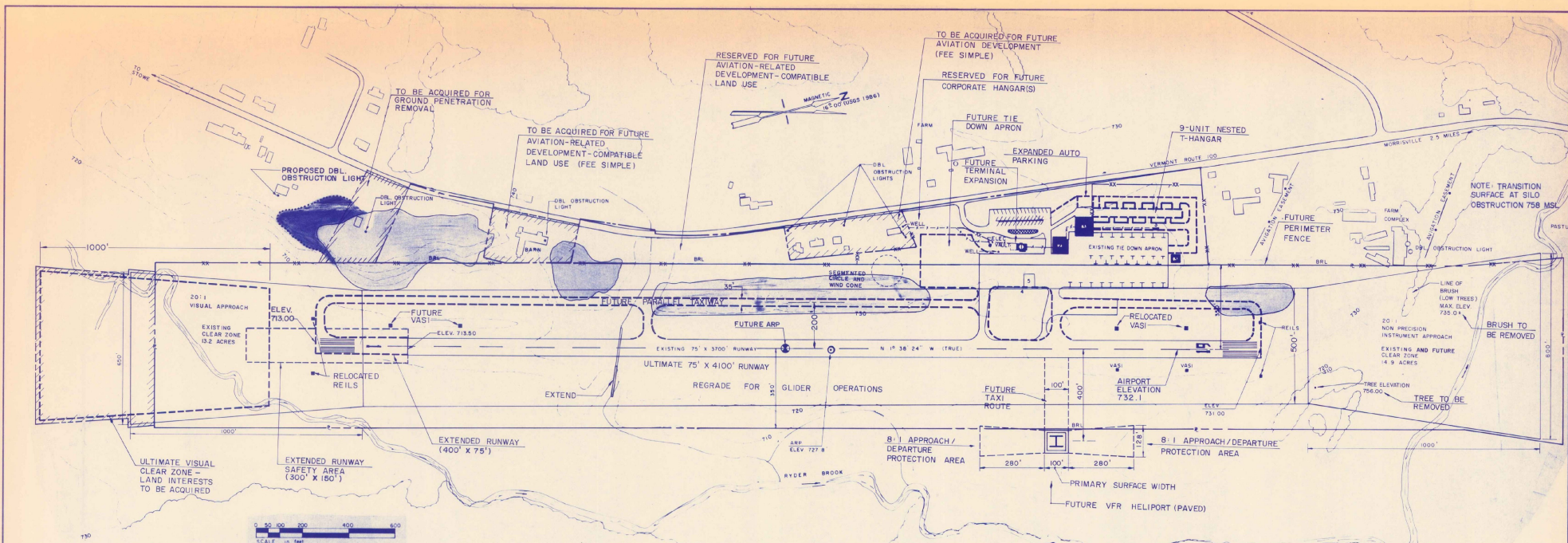
FUTURE TAXI ROUTE

FUTURE VFR HELIPORT (PAVED)



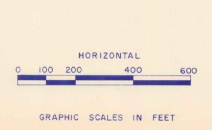
NO. DESCRIPTION REVISION

<b>MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT</b>		DRAWN BY BT McLAUGHLIN	CHKD. CHK. CDE
<b>AIRPORT MASTER PLAN</b>		SCALE 1" = 50'	TRADE COORD. CHK. CDE
<b>TERMINAL AREA PLAN</b>		DATE MAY, 1990	PROJ. MGR. CDE
GERALD D'AMICO, P.E. IN ASSOCIATION WITH <b>RIST-FROST</b> RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS		ROXBURY, VERMONT 05669	FILE NO. 27421701
		LACONA, NEW HAMPSHIRE GLENS FALLS, NEW YORK	DRAWING NO. <b>5</b>
			SHEET 5 OF 8 REV. NO.

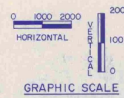
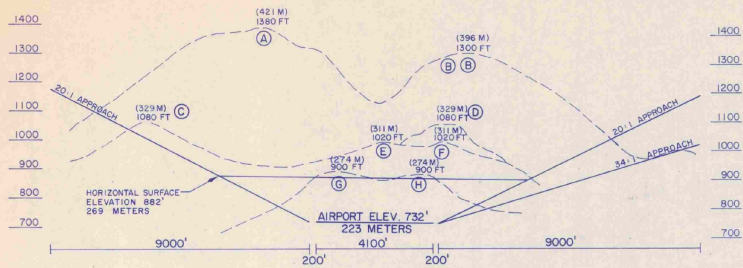


**LEGEND**

- EXISTING AVIATION BUILDINGS
- EXISTING NON-AVIATION RELATED BUILDINGS



NO. DESCRIPTION	BY DATE	<b>MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT</b>		DRAWN BY ST. MELANGLIUS	ENGR. CHK.
	REVISION	<b>AIRPORT MASTER PLAN</b>		SCALE 1" = 200'	TRADE COORD. CHK.
		<b>RUNWAY PLAN &amp; PROFILE</b>		DATE MAY, 1990	TECH. MGR.
		GERALD D'AMICO, P.E. IN ASSOCIATION WITH <b>RIST-FROST</b> RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS		PROJECT NO. 78-2-742	PROJ. USE
		ROXBURY, VERMONT 05669 LACONIA, NEW HAMPSHIRE GLENS FALLS, NEW YORK		FILE NO. 27421 701	DRAWING NO.
		<b>6</b>			
		SHEET 6 OF 8		REV. NO.	

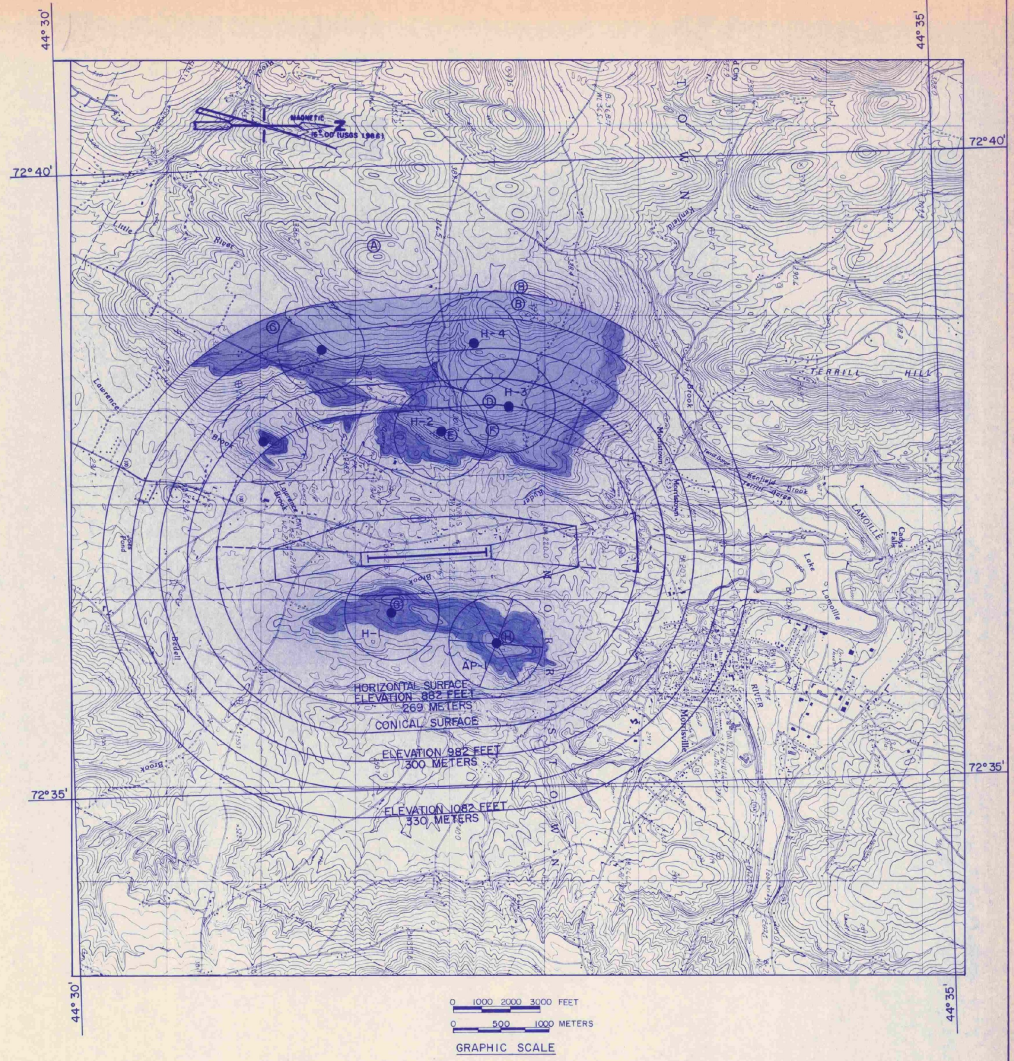


**NOTES**

- 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.

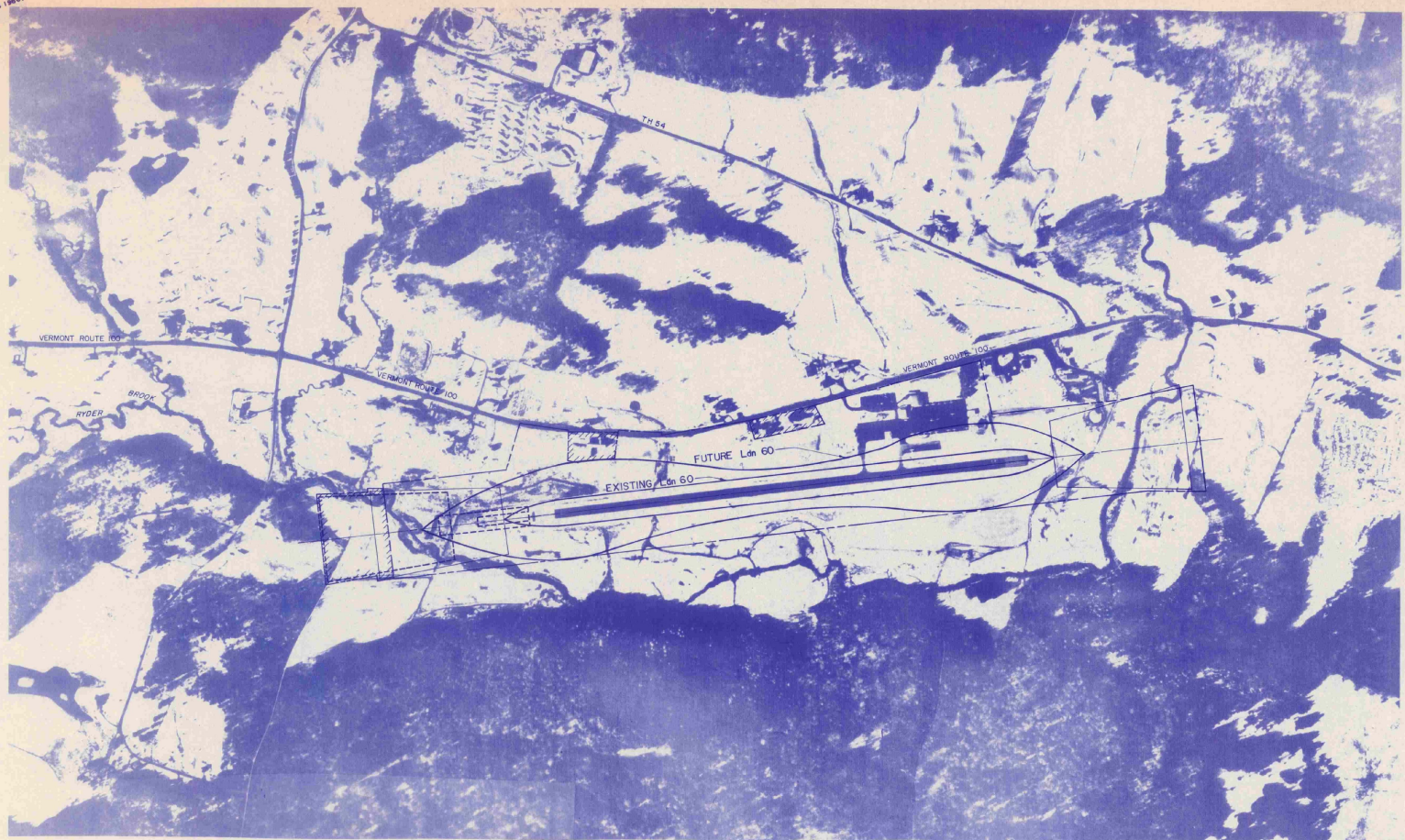
**LEGEND**

- 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	BY: DATE	<b>MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT</b>		DRAWN BY: EITM/MLA/SHJ/RLN	ENGR. CHK.
	SCALE: AS SHOWN	<b>AIRPORT MASTER PLAN IMAGINARY SURFACES - F.A.R. PART 77</b>		DATE: MAY, 1990	TRADE COORD. CHK.
				PROJECT NO.: 86-2742	TECH. MGR.
				FILE NO.: 27421-701	PAGE NO.
		GERALD D'AMICO, P.E. IN ASSOCIATION WITH <b>RIST-FROST</b> RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS	ROXBURY, VERMONT 05689 LACONIA, NEW HAMPSHIRE CLEWS FALLS, NEW YORK	DRAWING NO. <b>7</b>	REV. NO.
				SHEET <b>7</b> OF <b>8</b>	

MAGNETIC  
 2  
 25 OF (2505 1967)

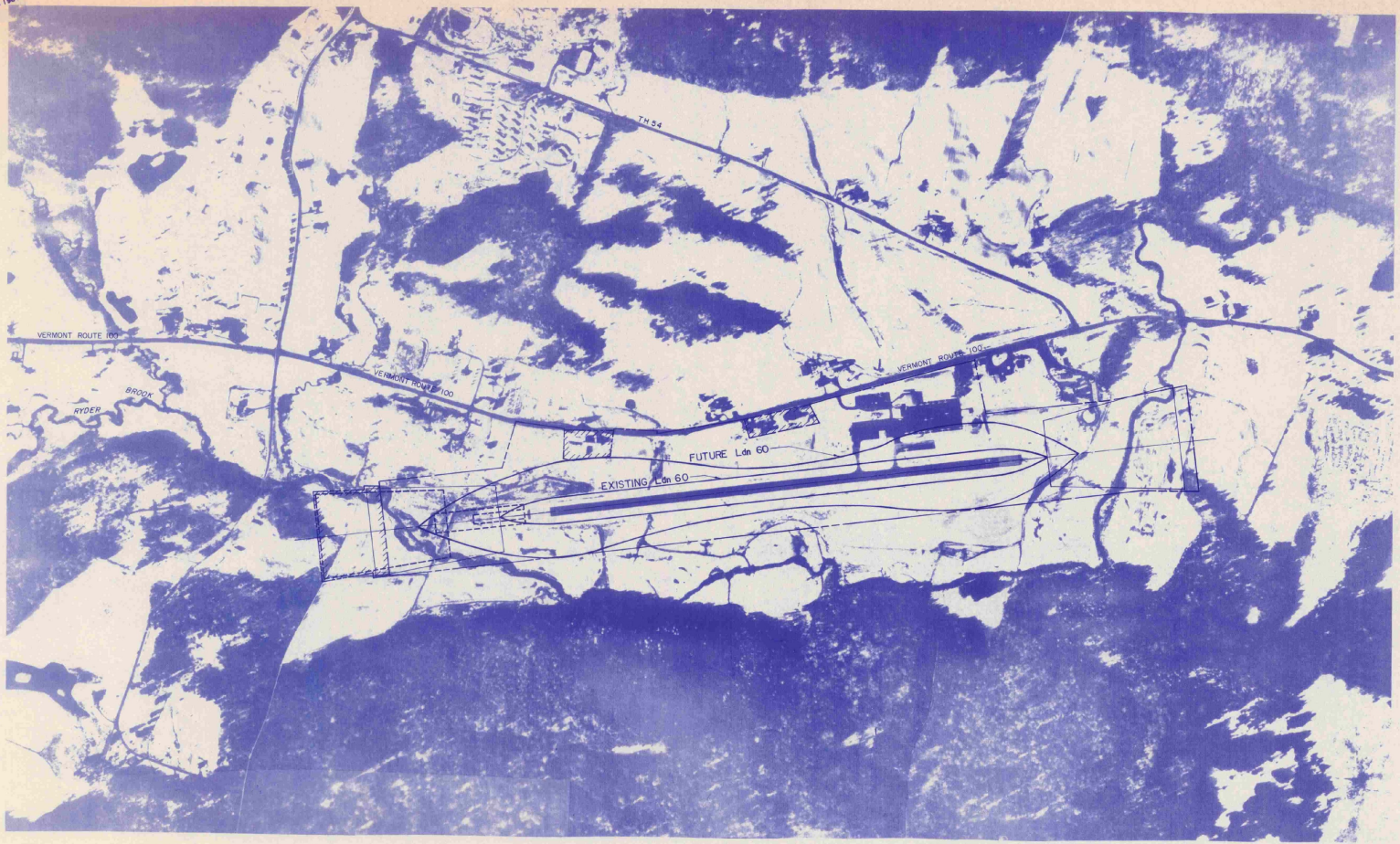


NO. DESCRIPTION	BY/DATE	MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT		DRAWN BY S. SHADDEAN	ENGR. CHK.
		AIRPORT MASTER PLAN		SCALE 1" = 400'	TRADE COORD. CHK.
		LAND USE PLAN		DATE MAY, 1990	TECH. MGR.
				PROJECT NO. 08-2742	PROJ. MGR.
			FILE NO. 27421701	DRAWING NO.	
				<b>8</b>	
				SHEET <b>8</b> OF <b>8</b> 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

MAGNETIC  
 2  
 15 OF (2000, 1965)



NO. DESCRIPTION REVISION	DATE	<b>MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT</b>		DRAWN BY C. P. L. O'NEILL	ENGR. CHK.
		<b>AIRPORT MASTER PLAN</b>		SCALE 1" = 400'	TRADE COORD. CHK.
		<b>LAND USE PLAN</b>		DATE MAY, 1990	TECH. MGR.
				PROJECT NO. 86-2742	PROJ. MGR.
				FILE NO. 27421701	
				DRAWING NO.	<b>8</b>
				SHEET <b>8</b> OF <b>8</b>	REV. NO.

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

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