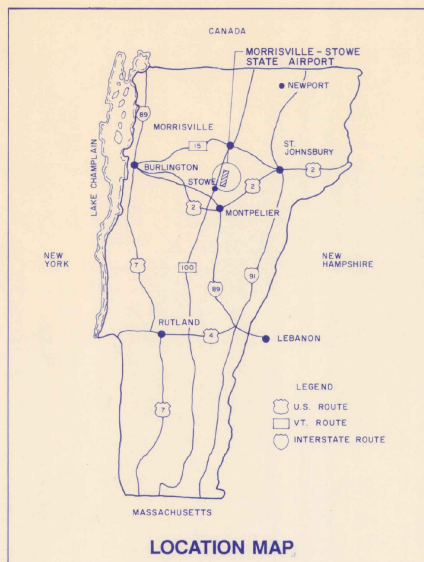


MORRISVILLE - STOWE STATE AIRPORT

MORRISTOWN, VERMONT

AIRPORT MASTER PLAN

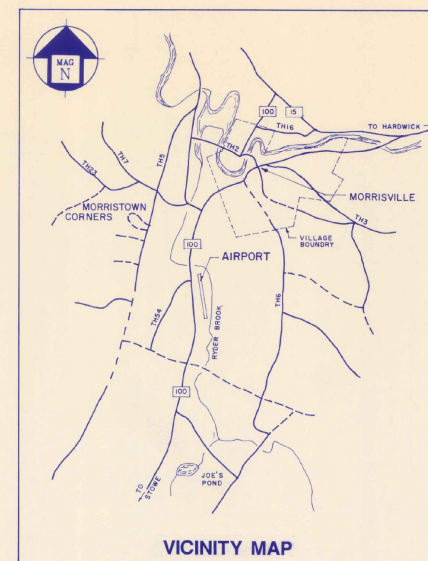


PREPARED FOR:
VERMONT AGENCY OF TRANSPORTATION

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

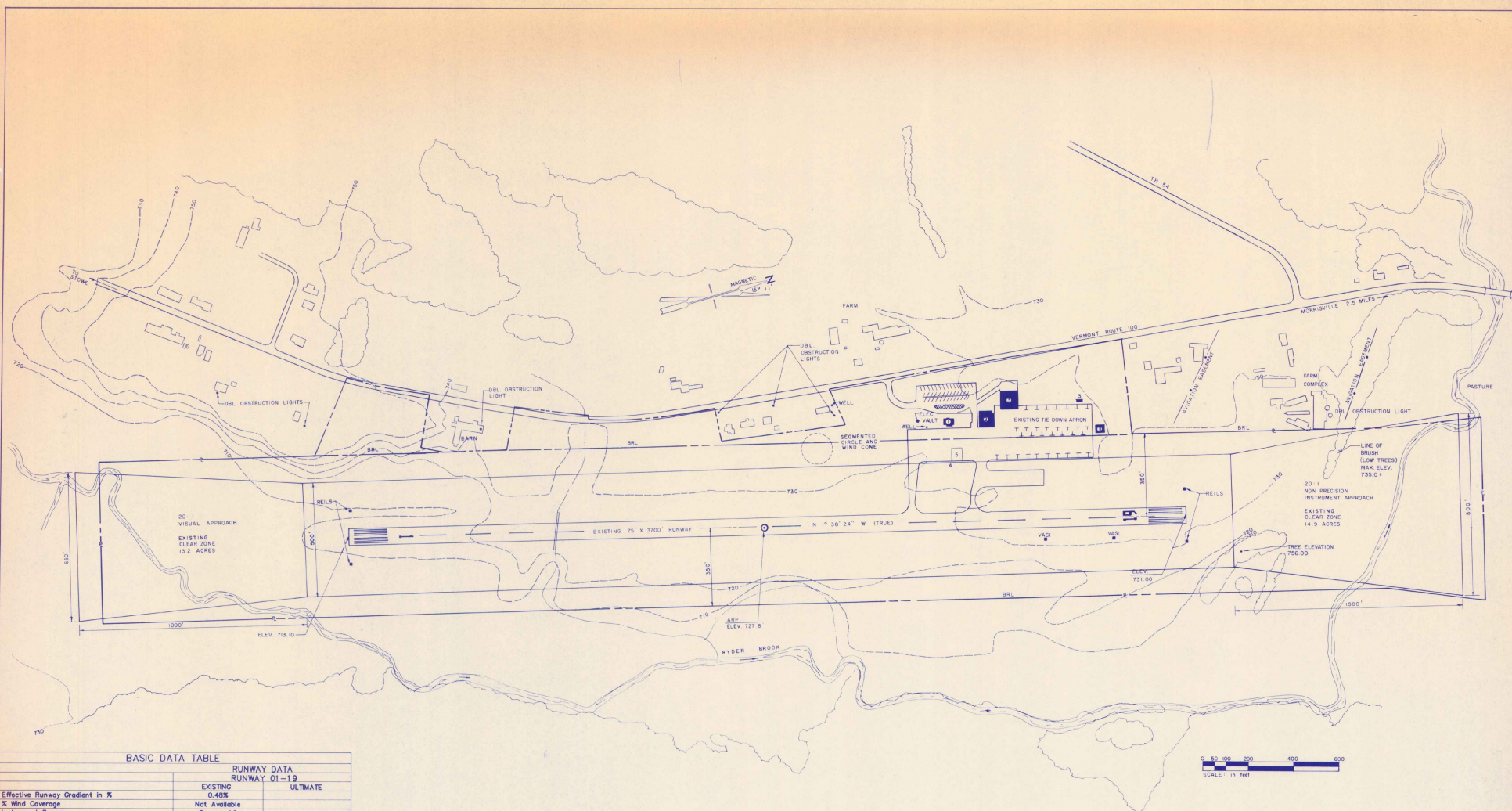
LIST OF DRAWINGS

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

BASIC DATA TABLE	
RUNWAY DATA	
RUNWAY 01-19	
	EXISTING
Effective Runway Gradient in %	0.48%
% Wind Coverage	Not Available
Instrument Runway	Runway 19
Pavement Strength	12,500 (psi)*
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	NOB R/W 19
Visual Aids	20:1 RELS/VASI-2
Runway Category	Utility
Taxiway Width	
Aircraft Design Group	II
Aircraft Approach Speed Class	B
AIRPORT DATA	
	EXISTING
Airport Reference Point (ARP) Coordinates	N 44° 32' 04" Lat. W 72° 30' 52" Long.
Airport Elevation	732.1 MSL
Mean Maximum Temperature of Hottest Month	79.9°
Navigation Aid	NOB
*Values given are gross aircraft weight for single wheel (SW)	

LEGEND

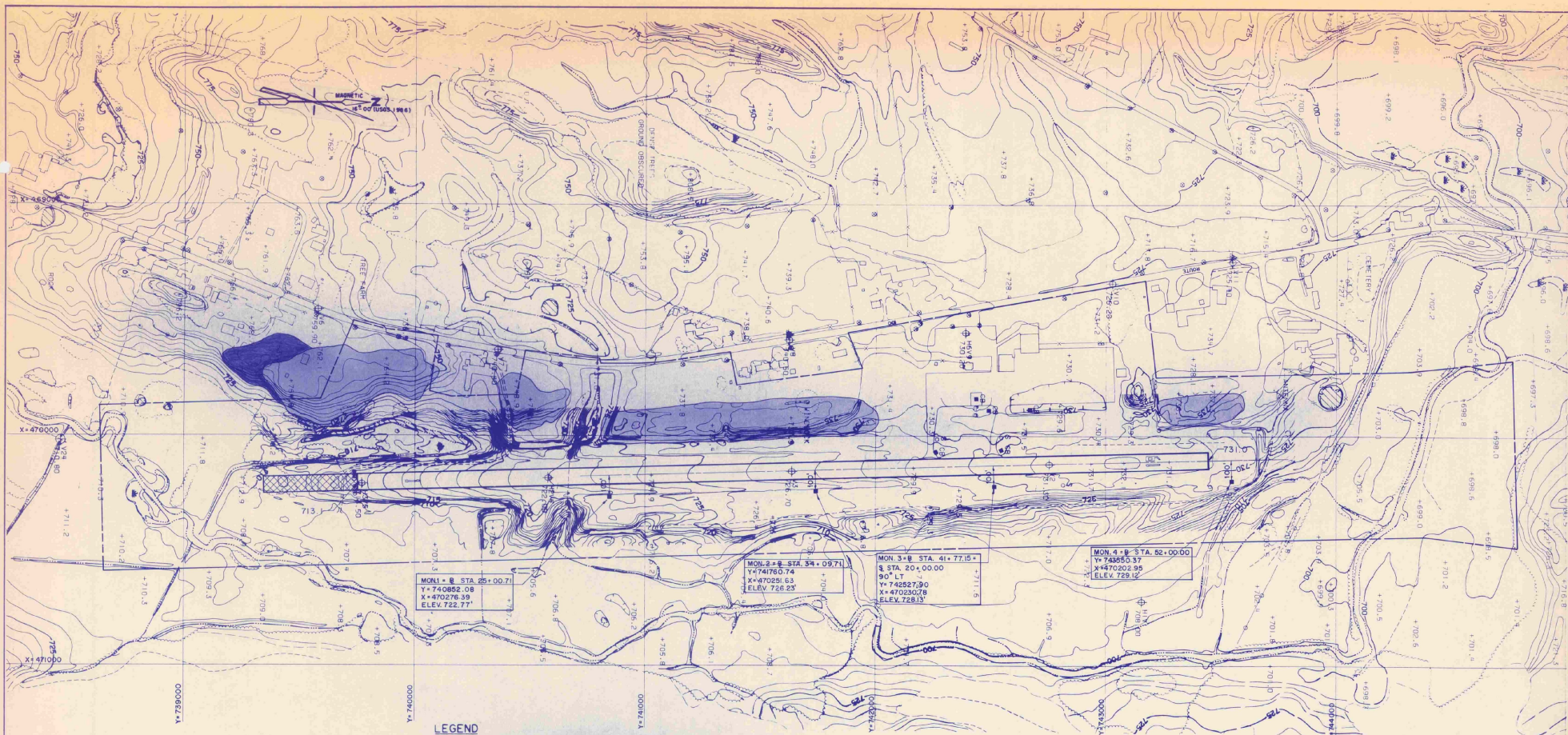
	EXISTING
Building Restriction Line	BRL
Airport Buildings and Hangars	
Airport Property Line	
Property to be Acquired	
Easement to be Acquired	
Contour Lines	
Fence	
Tree Line	
Airport Pavement	
Safety Area and Clear Zone	As shown

AIRPORT FACILITIES

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

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

NO. DESCRIPTION REVISION	DATE	MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT		DRAWN BY KEMCALHUN	CHKD. CHK.
	REVISION	AIRPORT MASTER PLAN		SCALE 1" = 200'	TRADE COORD. CHK.
		EXISTING AIRPORT LAYOUT		DATE MAY, 1990	TECH. MGR.
		GERALD D'AMICO, P.E. IN ASSOCIATION WITH RIST-FROST RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS		PROJECT NO. 98-2742	PROJ. MGR.
		ROXBURY, VERMONT 05669 LACONIA, NEW HAMPSHIRE GLENS FALLS, NEW YORK		FILE NO. 27421701 DRAWING NO. 2	REV. NO.



LEGEND



PAVED ROAD
GRAVEL ROAD
TRAILS
BUILDINGS
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
NEVER TO BE DELETED



PROPERTY LINE
EXISTING GROUND PENETRATION OF PART 77 SURFACES
FUTURE GROUND PENETRATION W/EXT. OF PART 77 SURFACE
400' RUNWAY EXTENSION

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

ROXBURY, VT.
BY
EASTERN TOPOGRAPHICS
DORCHESTER, N.H.

SCALE: 1" = 200' CONTOUR INTERVAL: 1 & 5'
PHOTO DATE: 23 NOV. 88 B

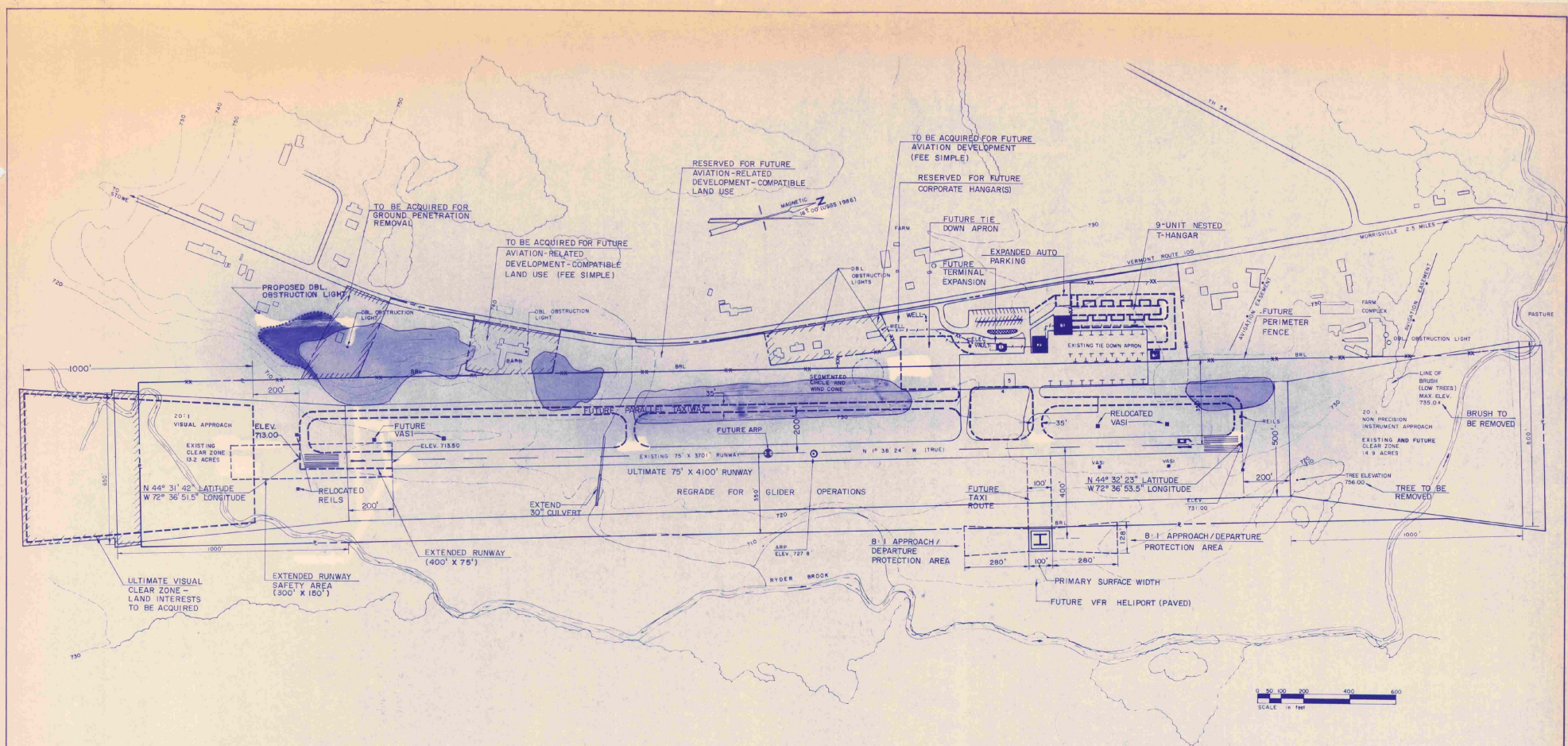
ANY USER SHOULD DETERMINE THE SUITABILITY
OF THIS AERIAL MAPPING FOR HIS INTENDED USE
AND ASSUME ALL RISK AND LIABILITY IN CONNECTION
THEREWITH.

SHEET 1 OF 1



LSC/873

NO.	DESCRIPTION	REVISION	DATE	MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT		DRAWN BY	ENGR. CHK.
				AIRPORT MASTER PLAN EXISTING TOPOGRAPHY		D. BELL/DEAN	TRADE COORD. CHK.
				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	
				DATE MAY, 1990		FILE NO. 27421701	
				PROJECT NO. 88-7742		DRAWING NO. 3	
				SHEET 3 OF 8		REV. NO.	



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	Not Available	Not Available
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	REILS/VASI-2	REILS/VASI-2
Runway Category	Utility	Utility
Taxiway Width	35'	35'
Aircraft Design Group	II	II
Aircraft Approach Speed Class	B	B

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	Some
2 F.B.O. Hangar	Some	Some
3 Aircraft Storage	As shown	As shown
4 Aircraft Fuel	Some	Some
5 Concrete Aircraft Fueling Apron	Some	Some

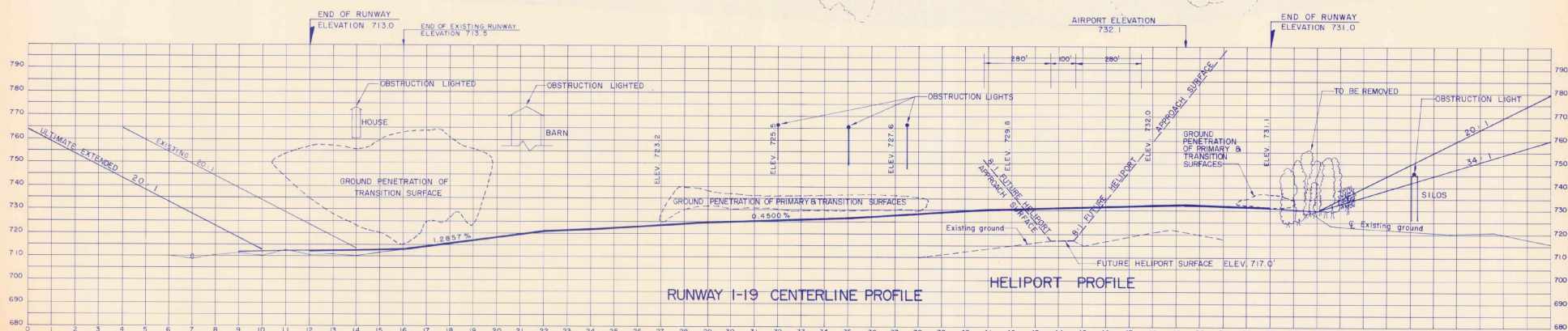
Notes: Due to lack of site specific wind data no wind roses are available.

F.A.A. waiver required for Runway/Taxiway separation.

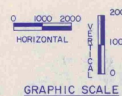
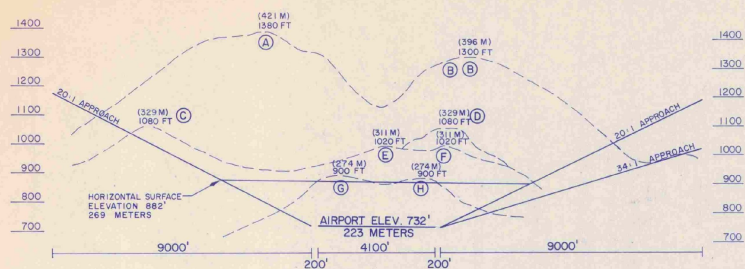
Waivers may be required for ground penetrations to specified Part 77 surfaces.

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 2/28/91

NO. DESCRIPTION	BY DATE	REVISION	MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT		DRAWN BY J. M. MCGOUGHIN SCALE " = 200' DATE MAY 1990 PROJECT NO. 27421	ENGR. CHK. TRADE COORD. CHK. TECH. MGR. PROJ. MGR.
			AIRPORT MASTER PLAN			
			AIRPORT LAYOUT PLAN			
			GERALD D'AMICO, P.E. IN ASSOCIATION WITH RIST-FROST RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS		ROXBURY, VERMONT 05669 LACONIA, NEW HAMPSHIRE CLEVELAND FALLS, NEW YORK	FILE NO. 27421701 DRAWING NO. 4 SHEET 4 OF 8 REV. NO.



NO.	DESCRIPTION	DATE	REVISION	MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT AIRPORT MASTER PLAN RUNWAY PLAN & PROFILE	DRAWN BY PST MCLAUGHLIN	ENGR. CHK.
					SCALE = 1" = 200'	TRADE COORD. CHK.
		DATE	MAY 1999	PROJECT NO.	2742	PROJ. MGR.
				FILE NO.	2742-701	DRAWING NO.
						6
				GERALD D'AMICO, P.E. A ASSOCIATION WITH FIRST FROST ASSOCIATES-F.P.C. CONSULTING ENGINEERS	ROBBERY VERMONT 05669 LACONIA, NEW HAMPSHIRE GLENDS FALLS, NEW YORK	DESIGNED BY CHECKED BY REV.

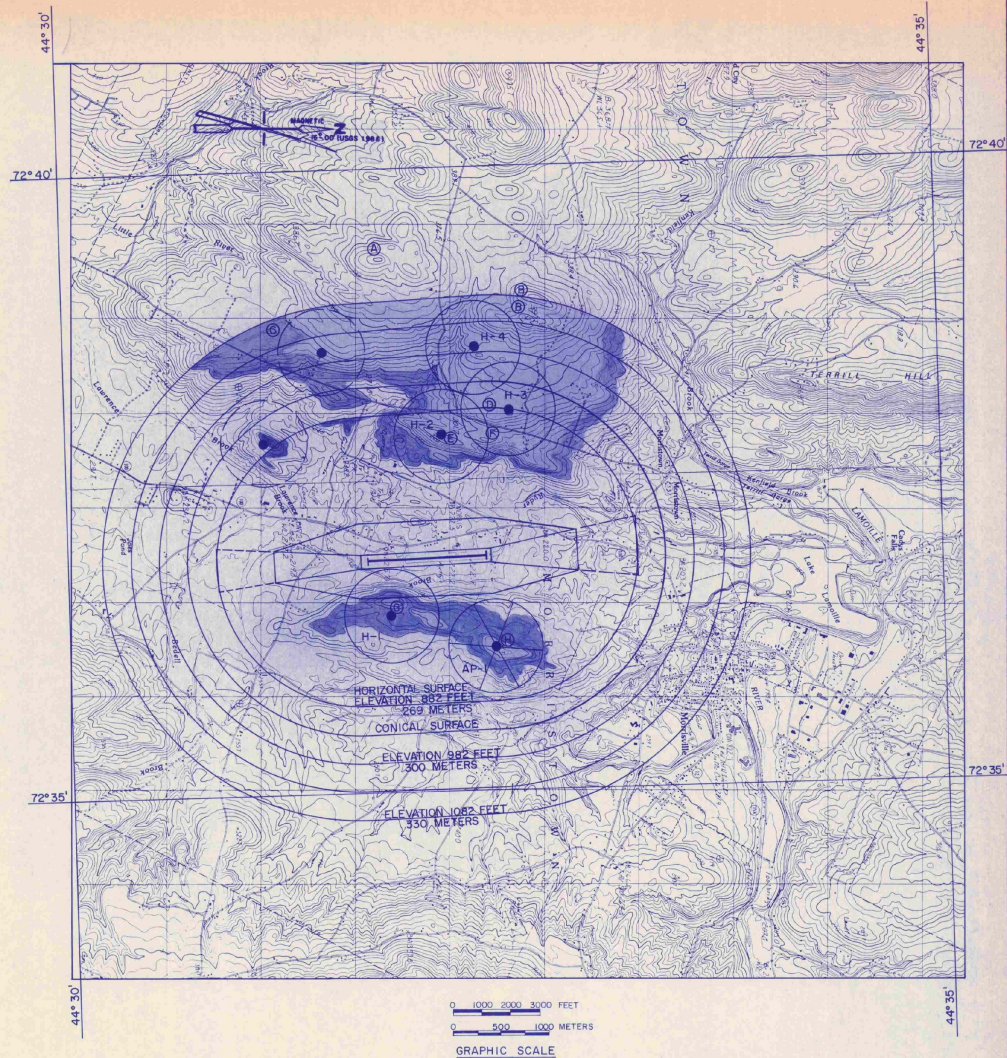


NOTES

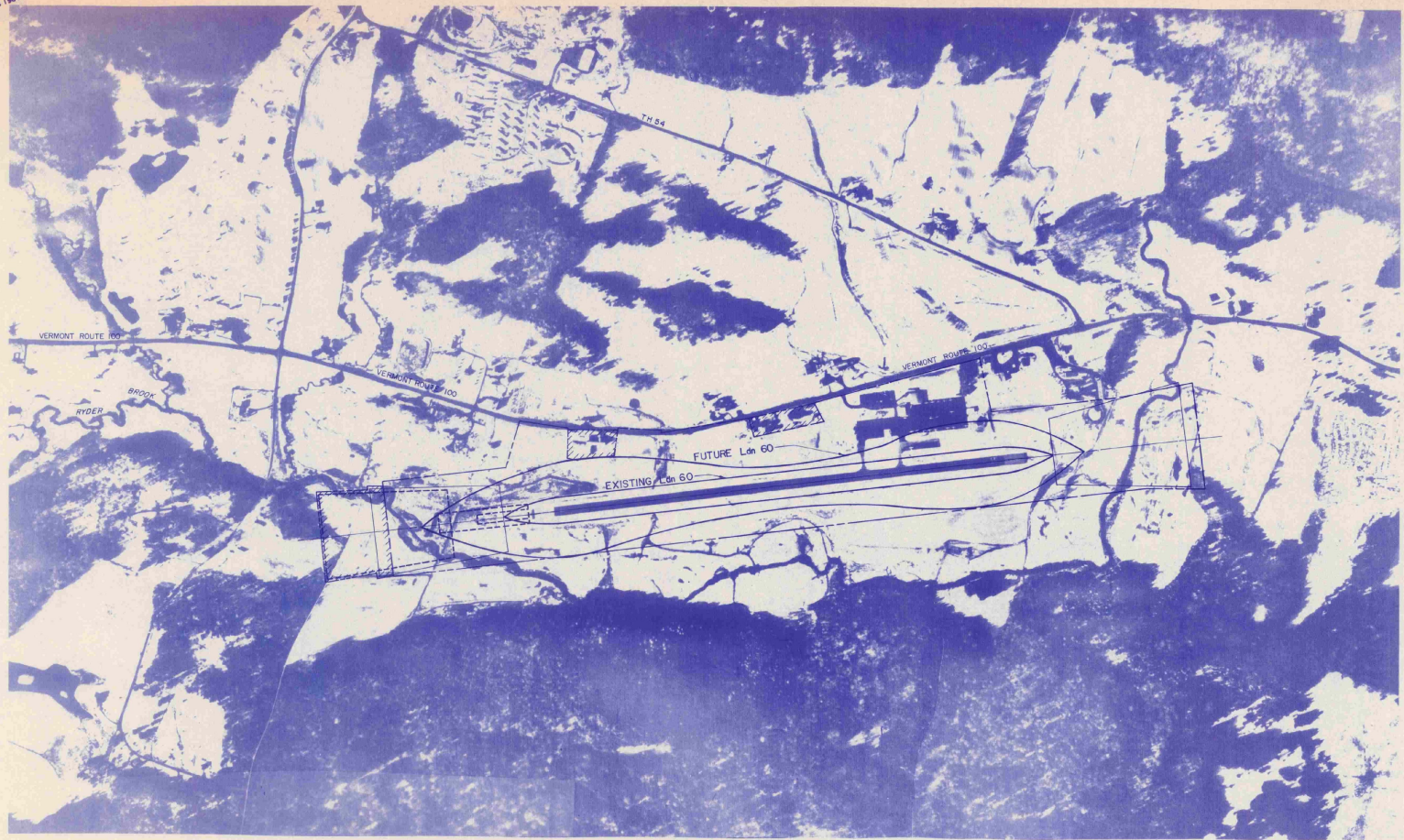
- SEE DRAWING NO. 3 (EXISTING TOPOGRAPHY) AND DRAWING NO. 6 (PLAN AND PROFILE) FOR FURTHER DETAIL OF GROUND OBSTRUCTIONS IN IMMEDIATE AIRPORT ENVIRONMENT.
- BASE MAP IS USGS QUADRANGLE MAPS 44072-E5-TM-024 (1986) AND 44072-E6-TM-024 (1986).
- HORIZONTAL DATUM IS BASED ON VERMONT GRID COORDINATE SYSTEM.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

LEGEND

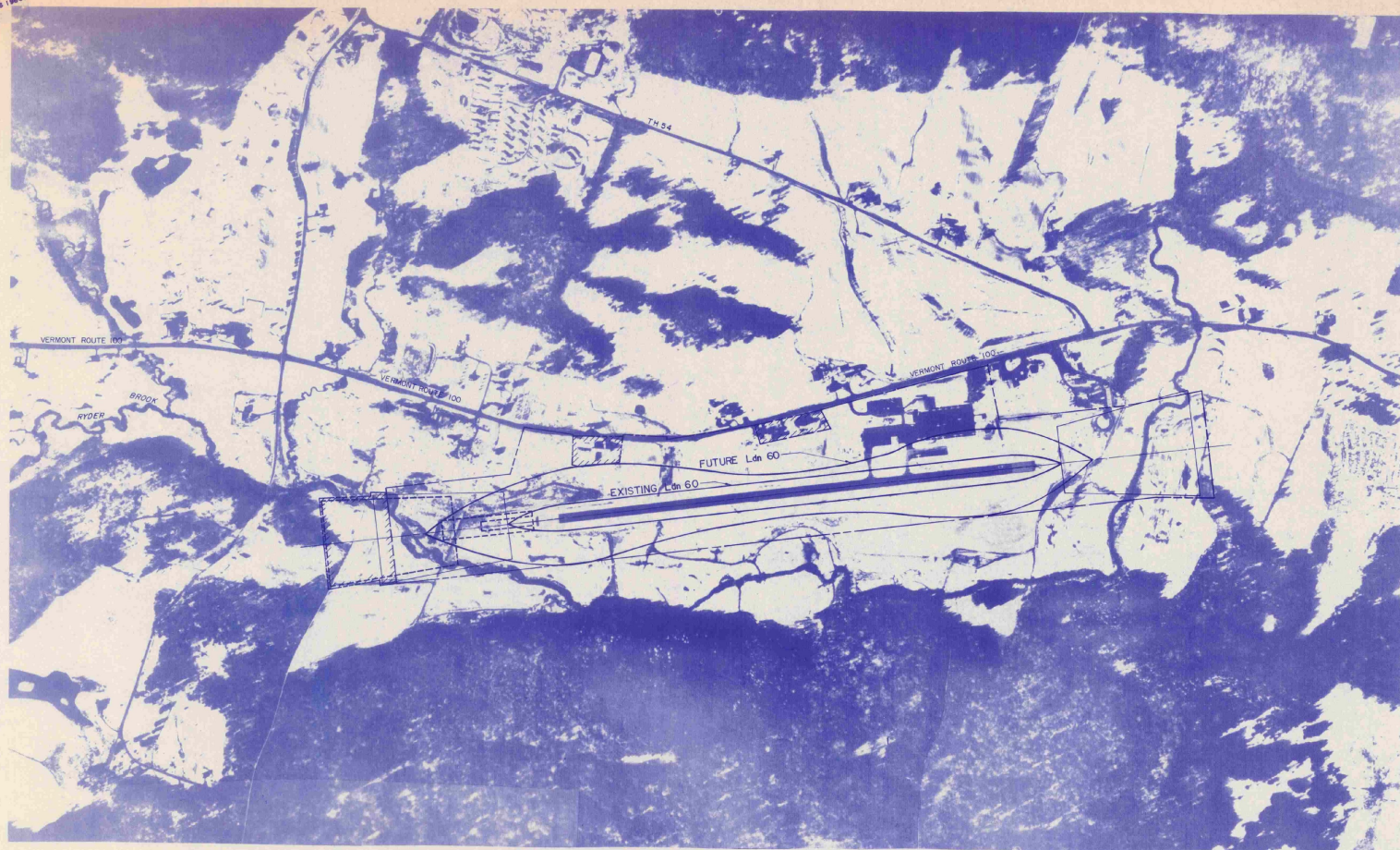
- TREE PENETRATIONS (ASSUMED 50' TREE HEIGHT)
- GROUND PENETRATIONS
- EXISTING HAZARD BEACONS
CIRCLE OF INFLUENCE (RADIUS) = 1500'
(H-1 TO H-4)
- 36" ROTATING BEACON (AP-1)
- FUTURE HAZARD BEACONS
- GROUND ELEVATIONS
- GROUND ELEVATIONS PROFILE



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



NO.	DESCRIPTION	REVISION	BY/DATE	MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT		DRAWN BY G. D'AMICO	ENGR. CHK.
				AIRPORT MASTER PLAN		SCALE 1" = 400'	TRADE COORD. CHK.
				LAND USE 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. 18-2742	PROJ. MGR.
				ROXBURY, VERMONT 05669 LACONIA, NEW HAMPSHIRE GLENS FALLS, NEW YORK		FILE NO. 27421701	DRAWING NO. 8
				SHEET 8 OF 8		REV. NO.	



NO. DESCRIPTION REVISION	BY DATE	MORRISVILLE/STOWE STATE AIRPORT MORRISVILLE, VERMONT		DRAWN BY D. BILLOREND	ENGR. CHK.	
		AIRPORT MASTER PLAN		SCALE 1" = 400'	TRADE COORD. CHK.	
		LAND USE PLAN		DATE MAY, 1990	TECH. WGR.	
		GERALD D'AMICO, P.E. IN ASSOCIATION WITH RISTFROST RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS		PROJECT NO. 88-2742	PROJ. WGR.	
				ROXBURY, VERMONT 05669 LACONIA, NEW HAMPSHIRE GLENS FALLS, NEW YORK		FILE NO. 27421.701
						DRAWING NO. 8
				SHEET 8 OF 8		REV. NO.