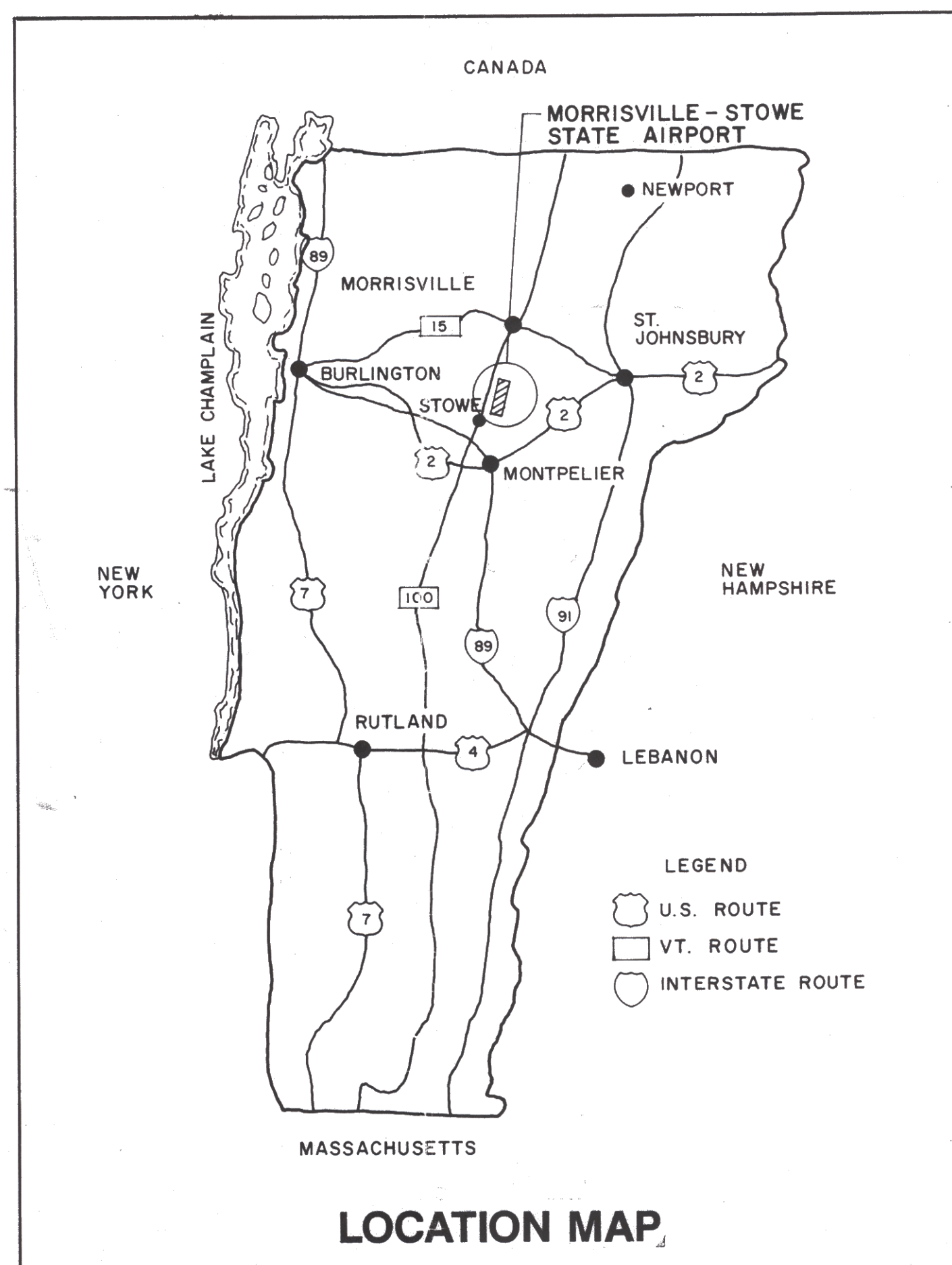


# MORRISVILLE - STOWE STATE AIRPORT

## MORRISTOWN, VERMONT

# AIRPORT MASTER PLAN

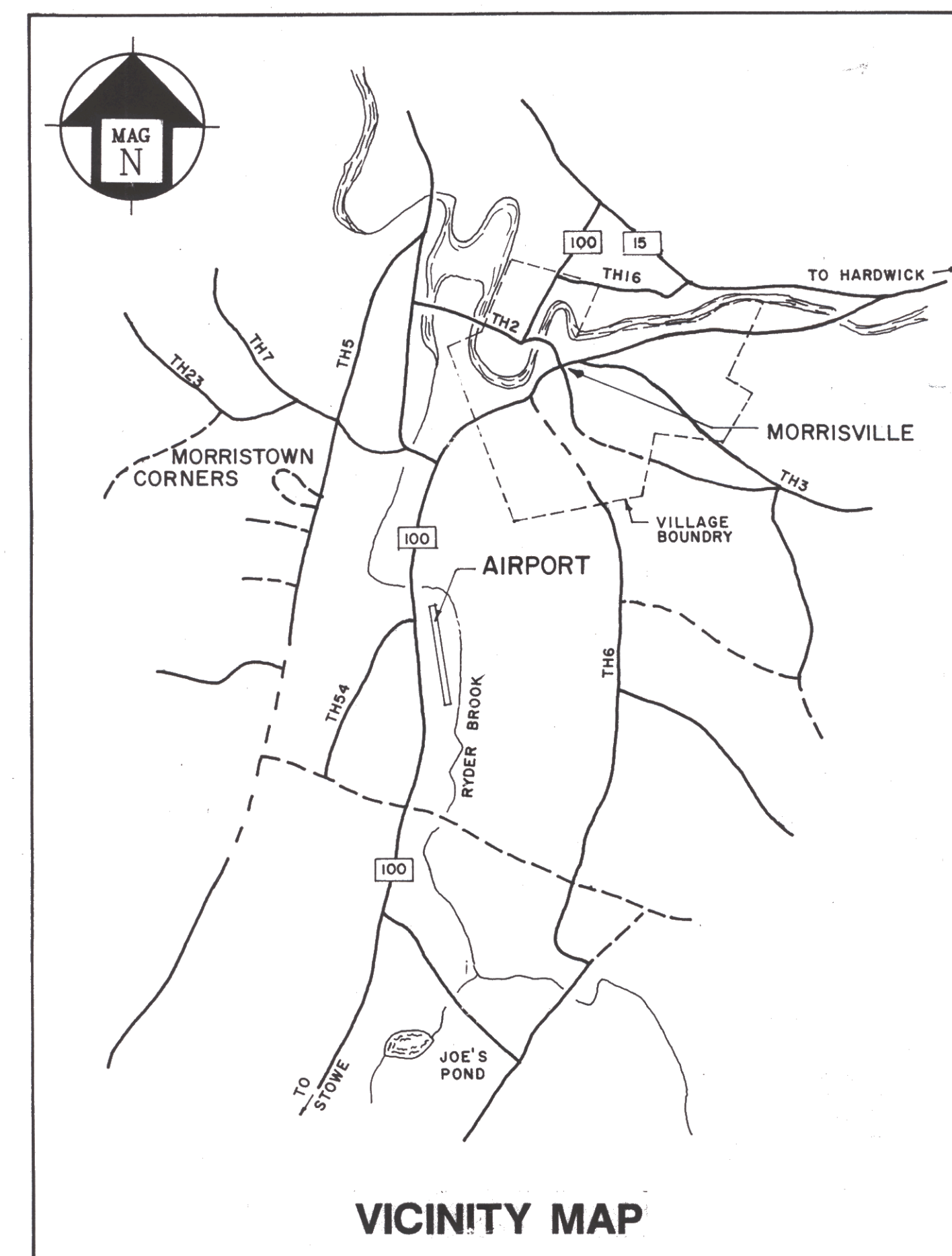


PREPARED FOR:  
VERMONT AGENCY OF TRANSPORTATION

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

### LIST OF DRAWINGS

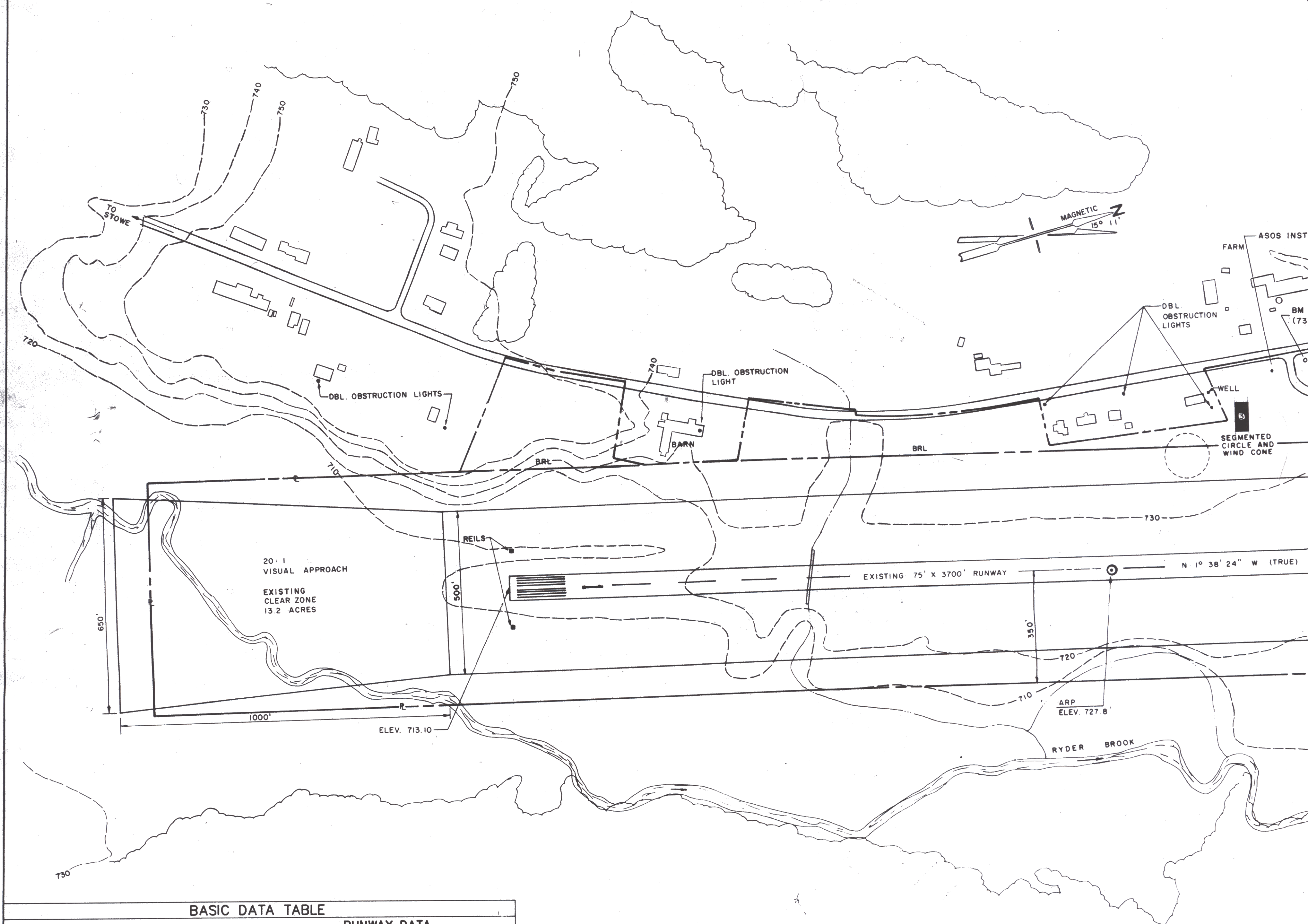
1. COVER SHEET
2. EXISTING AIRPORT LAYOUT
3. EXISTING TOPOGRAPHY
4. AIRPORT LAYOUT PLAN
5. TERMINAL AREA PLAN
6. RUNWAY PLAN AND PROFILE
7. IMAGINARY SURFACES - F.A.R. PART 77
8. LAND USE PLAN



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 %                                            | 0.48%                                         |          |
| % Wind Coverage                                                           | Not Available                                 |          |
| Instrument Runway                                                         | Runway 19                                     |          |
| Pavement Strength                                                         | 12,500 (sw) <sup>a</sup>                      |          |
| 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 R/W 19                           |          |
| 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.<br>W 72° 36' 52.4" Long. |          |
| Airport Elevation                                                         | 732.1 MSL                                     |          |
| Mean Maximum Temperature of Hottest Month                                 | 79.9°                                         |          |
| Navigational Aid                                                          | NDB                                           |          |
| <sup>a</sup> Values given are gross aircraft weight for single wheel (SW) |                                               |          |

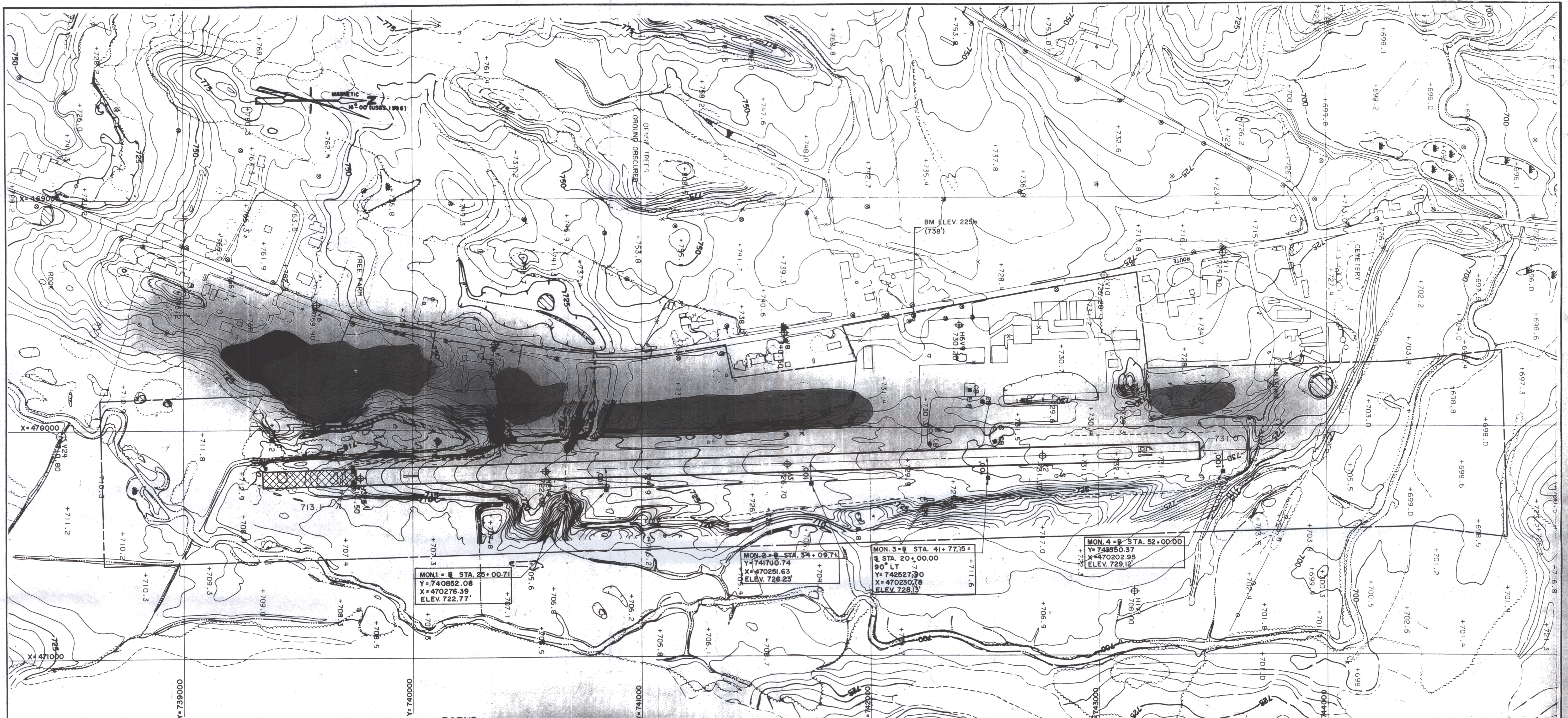
LEGEND

|                               | EXISTING                   |
|-------------------------------|----------------------------|
| Building Restriction Line     | BRL                        |
| Airport Buildings and Hangars | [Solid black rectangle]    |
| Airport Property Line         | [Dashed line]              |
| Property to be Acquired       | [Dotted line]              |
| Easement to be Acquired       | [Dash-dot line]            |
| Contour Lines                 | [Wavy line with elevation] |
| Fence                         | [Line with 'x' marks]      |
| Tree Line                     | [Line with 'v' marks]      |
| Airport Pavement              | [Hatched rectangle]        |
| 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 |          |





**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

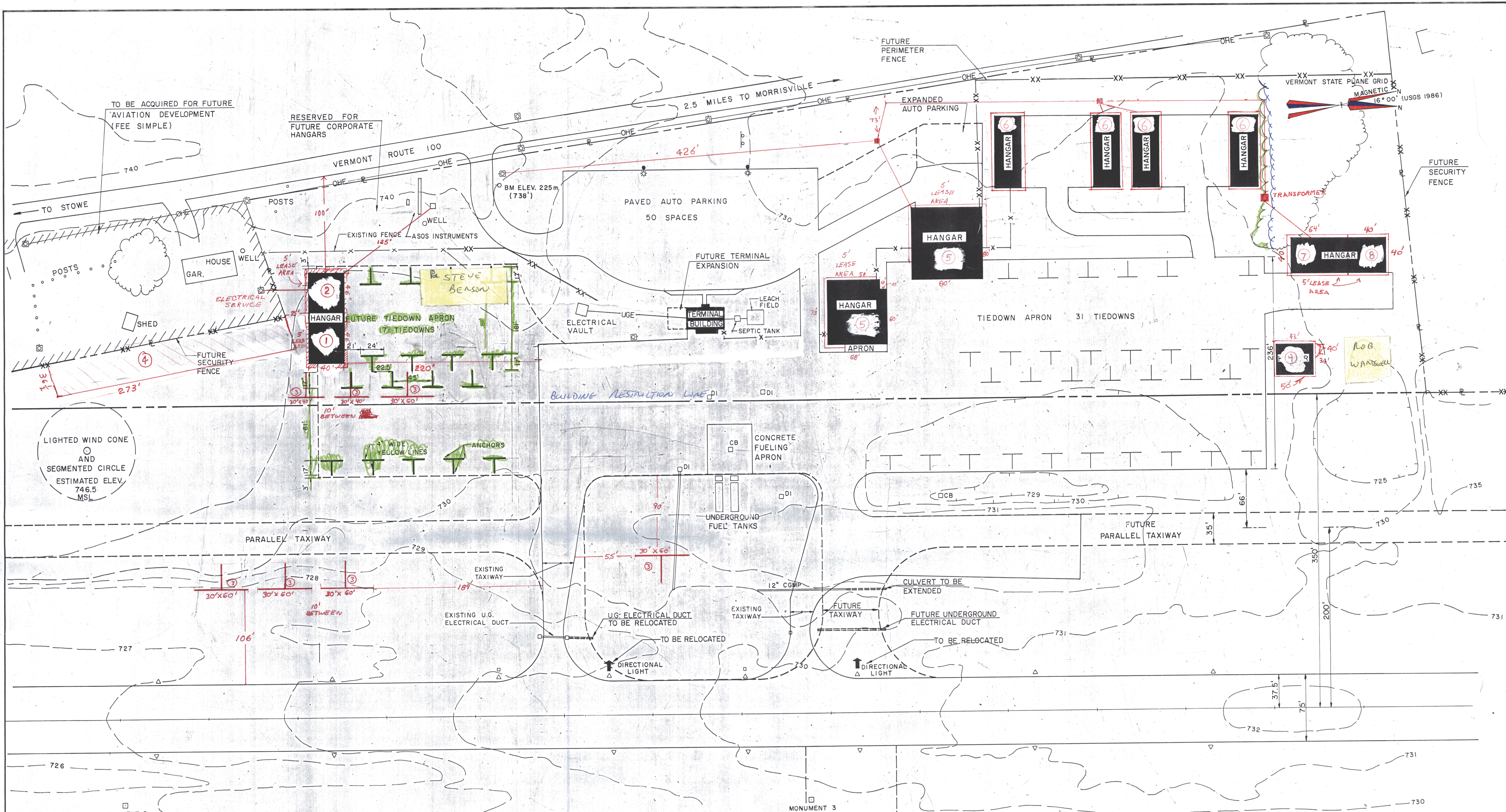
ANY USER SHOULD DETERMINE THE SUITABILITY  
OF THIS AERIAL MAPPING FOR HIS INTENDED USE  
AND ASSUME ALL RISK AND LIABILITY IN CONNECTION  
THEREWITH.  
SHEET 1 OF 1       LSC/873

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



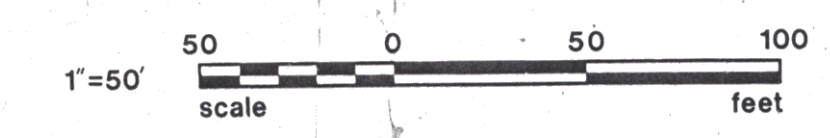






- ① Bisson 7-29-93  
 ② Lisa Darden 7-29-93  
 ③ David H. Whitcomb  
 ④ Meredith Marshaia 9-4-78  
 ⑤ Phil's Aircraft Service 2-10-93  
 ⑥ Peter and Jim Weil Lisa Darden, Pegasus 6-29-93  
 ⑦ Leonard Dubois 6-29-93  
 ⑧ Leonard Dubois 6-29-93  
 ⑨ Robert Juzek 1-24-85

| 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 |



|                                                                                                                        |  |  |  |                                                                                    |  |                                  |  |
|------------------------------------------------------------------------------------------------------------------------|--|--|--|------------------------------------------------------------------------------------|--|----------------------------------|--|
| MORRISVILLE/STOWE STATE AIRPORT<br>MORRISVILLE, VERMONT                                                                |  |  |  | DRAWN BY<br>R. McLaughlin                                                          |  | CHECKED BY<br>TRADE COORD. CHK   |  |
| AIRPORT MASTER PLAN                                                                                                    |  |  |  | SCALE<br>1" = 50'                                                                  |  | TECH. MGR.<br>DATE<br>MAY, 1990  |  |
| TERMINAL AREA PLAN                                                                                                     |  |  |  | PROJECT NO.<br>00-142                                                              |  | PROJ. MGR.<br>FILE NO.<br>1421/1 |  |
| GERALD D'AMICO, P.E.<br>IN ASSOCIATION WITH<br><b>RISTFROST</b><br>RIST-FROST ASSOCIATES, P.C.<br>CONSULTING ENGINEERS |  |  |  | ROXBURY,<br>VERMONT 05669<br>LACONIA,<br>NEW HAMPSHIRE<br>GLENS FALLS,<br>NEW YORK |  | DRAWING NO.<br><b>5</b>          |  |
| SHEET 5 OF 8                                                                                                           |  |  |  | NO.                                                                                |  | REV.                             |  |



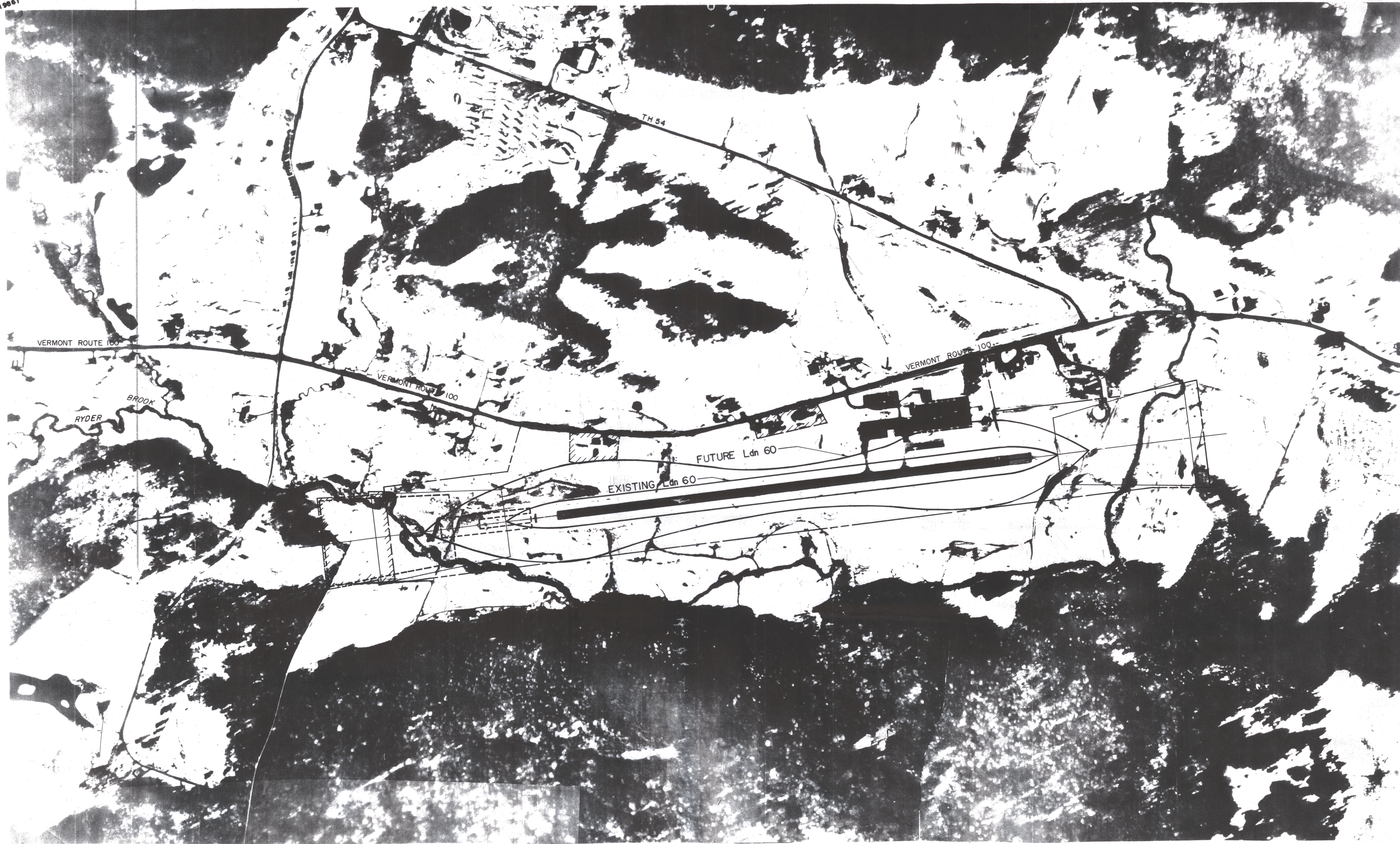








MAGNETIC  
16° 00' (USGS 1961)



|     |             |          |                                                                                                                        |                                                                                        |                             |                   |
|-----|-------------|----------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------|-------------------|
| NO. | DESCRIPTION | REVISION | MORRISVILLE/STOWE STATE AIRPORT<br>MORRISVILLE, VERMONT                                                                |                                                                                        | DRAWN BY<br>D. BLODINI      | ENGR. CHK.        |
|     |             |          | AIRPORT MASTER PLAN                                                                                                    |                                                                                        | SCALE<br>1" = 400'          | TRADE COORD. CHK. |
|     |             |          | LAND USE PLAN                                                                                                          |                                                                                        | DATE<br>MAY, 1990           | TECH. MGR.        |
|     |             |          |                                                                                                                        |                                                                                        | PROJECT NO.<br>88-2742      | PROJ. MGR.        |
|     |             |          | GERALD D'AMICO, P.E.<br>IN ASSOCIATION WITH<br><b>RISTFROST</b><br>RIST-FROST ASSOCIATES, P.C.<br>CONSULTING ENGINEERS | ROXBURY,<br>VERMONT 05669<br><br>LACONIA,<br>NEW HAMPSHIRE<br>GLENS FALLS,<br>NEW YORK | FILE NO.<br>27421701        |                   |
|     |             |          |                                                                                                                        |                                                                                        | DRAWING NO.<br><br><b>8</b> |                   |
|     |             |          |                                                                                                                        |                                                                                        | SHEET <u>8</u> OF <u>8</u>  | REV.<br>NO.       |