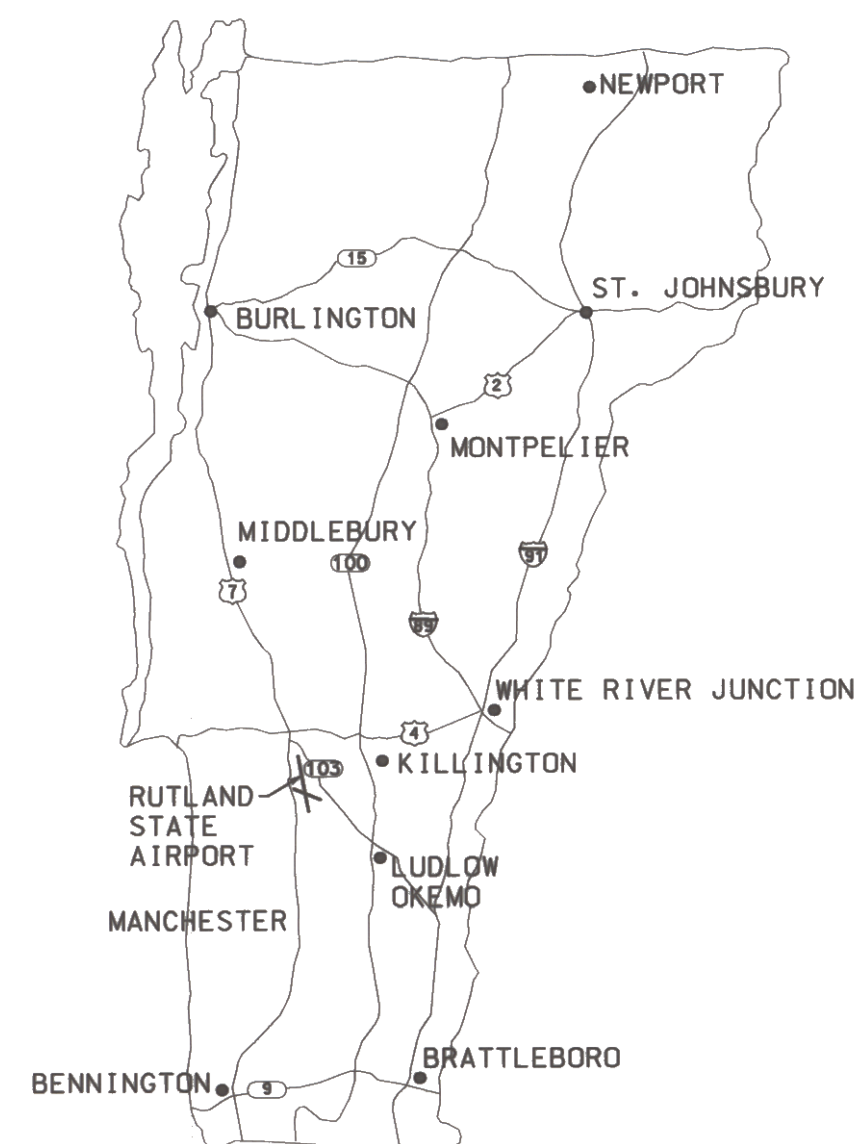


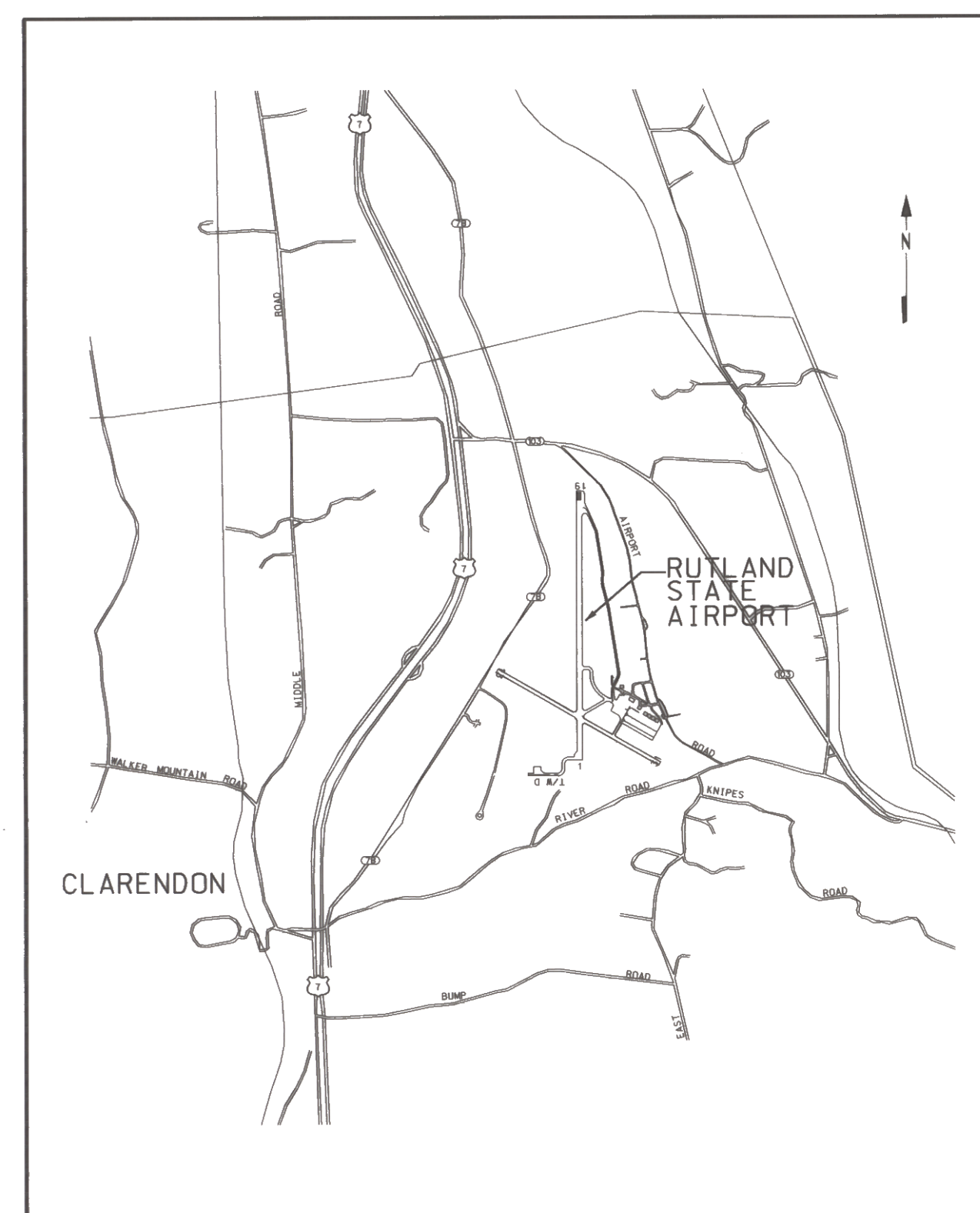
STATE OF VERMONT AGENCY OF TRANSPORTATION



PARTIAL AIRPORT MASTER PLAN UPDATE RUTLAND STATE AIRPORT CLARENDON, VERMONT



LOCATION MAP
NTS

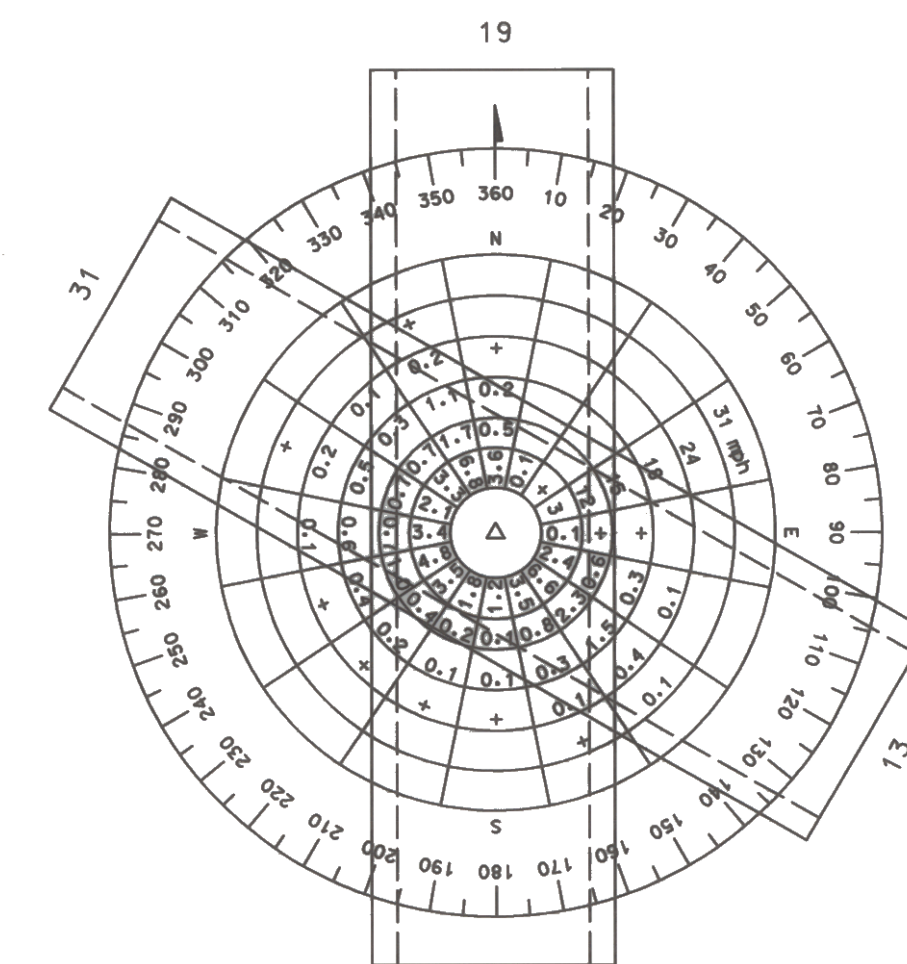


LOCATION MAP
NTS

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 EXISTING AIRPORT LAYOUT
- 3 AIRPORT LAYOUT PLAN (ALP)
- 4 APPROACH AND OBSTRUCTION PLAN & PROFILE 1-19
- 5 APPROACH AND OBSTRUCTION PLAN & PROFILE 13-31
- 6 TERMINAL SUPPORT AREA PLAN "A"
- 7 TERMINAL SUPPORT AREA PLAN "B"
- 8 OFF AIRPORT LAND USE PLAN
- 9 IMAGINARY SURFACE PLAN
- 10 EXHIBIT "A" PROPERTY MAP

PREPARED FOR:
VERMONT AGENCY OF TRANSPORTATION
VERMONT AGENCY OF TRANSPORTATION PROJECT No. AIR 04-3121
FEDERAL AVIATION ADMINISTRATION PROJECT No. 3-50-0015-12
JANUARY, 2001



ALL WEATHER WIND ROSE

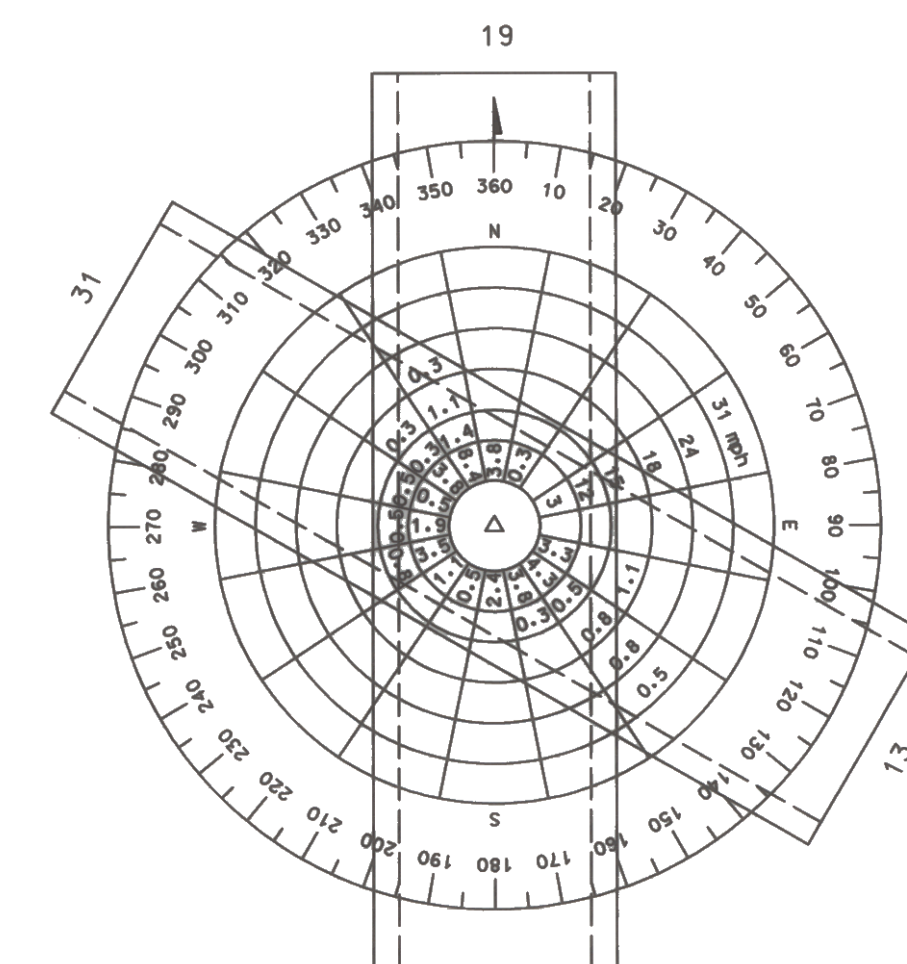
LOCATION: Rutland State Airport
Clarendon, Vermont

SOURCE: NOAA Environment Data Service
National Climate Center
Asheville, North Carolina

PERIOD: January 1, 1971 - December 31, 1975

ANNUAL OCCURRENCE: 100%

TOTAL IFR OBSERVATION 8170
+ = Less than 0.1%



IFR WEATHER WIND ROSE

<1000' &/or 3 miles but ≥ 400' & 1 mile

LOCATION: Rutland State Airport
Clarendon, Vermont

SOURCE: NOAA Environment Data Service
National Climate Center
Asheville, North Carolina

PERIOD: January 1, 1971 - December 31, 1975

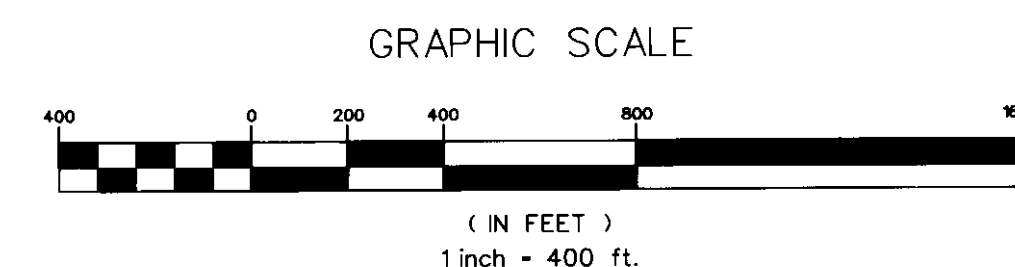
ANNUAL OCCURRENCE: 4.5%

TOTAL IFR OBSERVATION 369



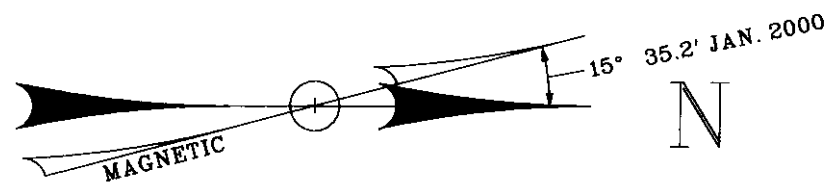
RUNWAY DATA				
RUNWAY	1	- 19	13	- 31
RUNWAY LENGTH		5000'		3170'
WIDTH		100'		75'
SAFETY AREA WIDTH		400'		150'
TAXIWAY WIDTH		55'		35'
SURFACE		BIT. CONCRETE		BIT. CONCRETE
PAVEMENT STRENGTH		68,000 LBS		12,500 LBS
RUNWAY LIGHTING		MIRLS		MIRLS
RUNWAY MARKING	VISUAL		NON PRECISION	VISUAL
EFFECTIVE GRADIENT				
NAV-AID	NONE		LOC. NDB, OME	NONE
CRITICAL AIRCRAFT		GULFSTREAM III		CESNA CITATION IV
AIRPLANE REFERENCE CODE		C-11		B-11
VISUAL AIDS (EXISTING)	NONE		VASI, ODALS, REILS	PAPI
VISUAL AIDS				
RUNWAY END COORDINATES	43°31'29.58"N 86°58'51"W	43°32'18.92"N 86°58'30"W	43°31'44.6"N 72°37'40.9"W	43°31'29.6"N 72°37'40.9"W

AIRPORT BUILDINGS		
IDENTIFIER		DESCRIPTION
1	FIRE STATION	
2	STATE STORAGE HANGAR	
3	TERMINAL	
4	STORAGE HANGAR	
5	FBO OFFICE & MAINTENANCE HANGAR	
6	STORAGE AND T-HANGARS	
7	T-HANGARS	
8	FUEL FARM	
9	STORAGE HANGAR	
10	FBO MAINTENANCE HANGAR	
11	CLUB & AIR CONTROL	
12	DISTRICT TRANSPORTATION GARAGE	



URS Greiner		RUTLAND STATE AIRPORT	
1 NORTHWAY LN. LATHAM, NEW YORK		CLARENDON, VERMONT	
AIRPORT MASTER PLAN UPDATE		EXISTING AIRPORT LAYOUT	
Designed by: G.W.D.		REV. DATE DESCRIPTION	
Drawn by: AL BEY		Job No. F20000719.00	
Checked by: M.L.C.		File No. RUT-EAL.DGN	
Approved by: G.W.D.			
Scale: 1"=400'			
Date: JAN. 2000			
Sheet 2 Of 10			
Sheet No. 2			

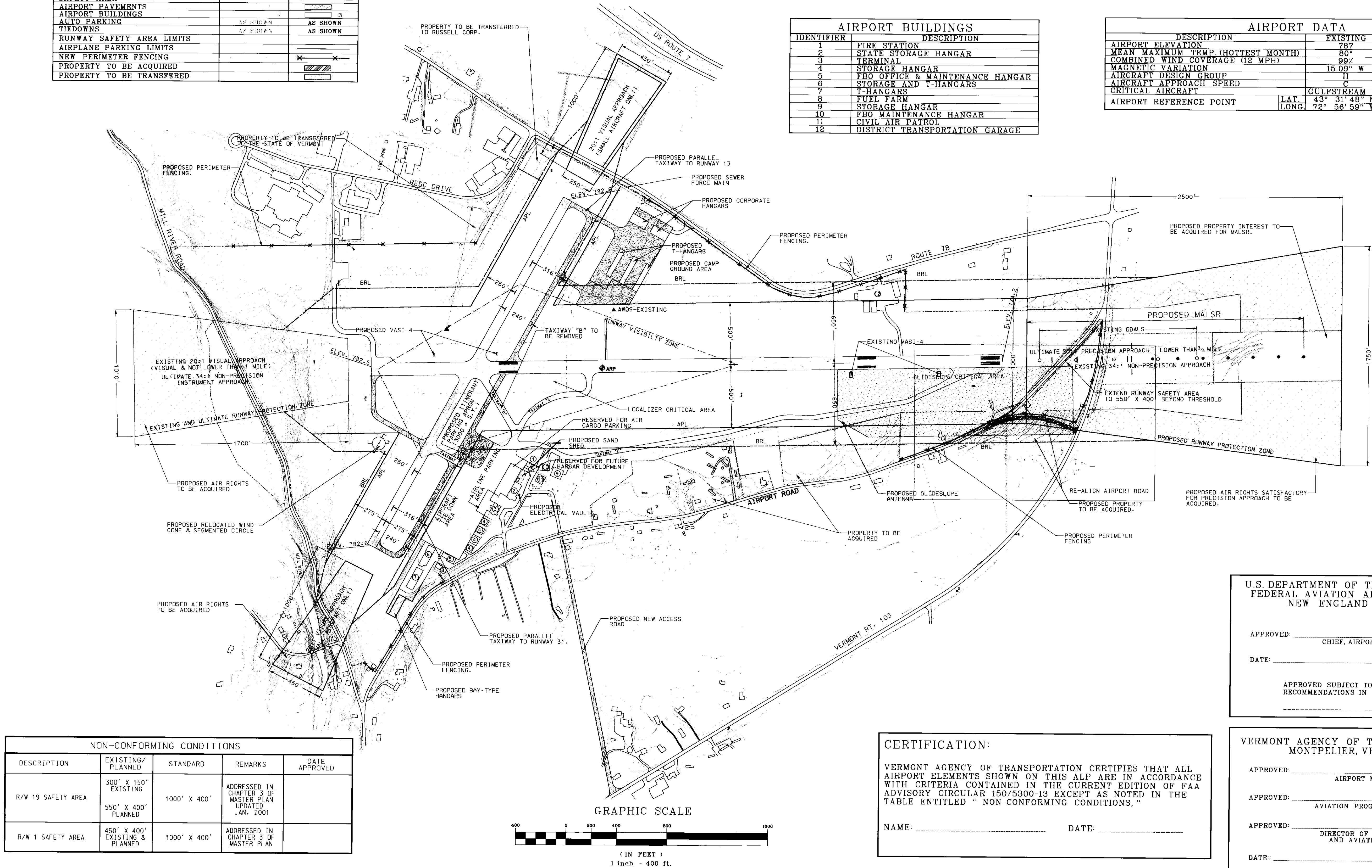
LEGEND		
ITEM	EXISTING	ULTIMATE
AIRPORT PROPERTY LINE		
MISCELLANEOUS PROPERTY LINE		
CONTOURS (USGS-MSL DATUM)	700	700
AIRPORT REFERENCE POINT (A.R.P.)		
AIRPORT ROTATING BEACON		
BUILDING RESTRICTION LINE (B.R.L.)		
EASEMENT		
RUNWAYS/TAXIWAYS/APRON		
WATER COURSE		
TREELINE/BRUSH		
SAFETY AREA		
AIRPORT PAVEMENTS		
AIRPORT BUILDINGS		
AUTO PARKING	AS SHOWN	AS SHOWN
TIEDOWNS	AS SHOWN	AS SHOWN
RUNWAY SAFETY AREA LIMITS		
AIRPLANE PARKING LIMITS		
NEW PERIMETER FENCING		
PROPERTY TO BE ACQUIRED		
PROPERTY TO BE TRANSFERRED		



RUNWAY DATA (ULTIMATE)				
RUNWAY	1	19	13	31
RUNWAY LENGTH	5000'			3170'
WIDTH	100'			75'
SAFETY AREA WIDTH	450'			150'
SAFETY AREA LENGTH (BEYOND THRESHOLD)		550'	300'	300'
TAXIWAY WIDTH		35'		35'
SURFACE	BIT CONCRETE	BIT CONCRETE	BIT CONCRETE	BIT CONCRETE
PAVEMENT STRENGTH	88,000 • DW			12,500 • SW
RUNWAY LIGHTING	NON PRECISION (EXISTING)	MIRLS (EXISTING) MIRLS ULTIMATE		MIRLS
RUNWAY MARKING		PRECISION ULTIMATE		VISUAL
EFFECTIVE GRADIENT	0.25%			0.0%
NAV-AIDS	NONE	GULFSTREAM III	LOC NDB DME	NONE
CRITICAL AIRCRAFT		C-II		CESSNA CITATION VII
AIRPLANE REFERENCE CODE	NONE	VASI	VASI MALSR	PAPI
VISUAL AIDS (EXISTING)				B II
VISUAL AIDS (ULTIMATE)				
RUNWAY END COORDINATES	43° 31' 29.55" N 72° 56' 58.16" W	43° 31' 18.92" N 72° 56' 58.90" W	43° 31' 44.6" N 72° 57' 18.4" W	43° 31' 28.6" N 72° 57' 40.9" W

AIRPORT BUILDINGS	
IDENTIFIER	DESCRIPTION
1	FIRE STATION
2	STATE STORAGE HANGAR
3	TERMINAL
4	STORAGE HANGAR
5	FBO OFFICE & MAINTENANCE HANGAR
6	STORAGE AND T-HANGARS
7	T-HANGARS
8	FUEL TANK
9	STORAGE HANGAR
10	FBO MAINTENANCE HANGAR
11	CIVIL AIR PATROL
12	DISTRICT TRANSPORTATION GARAGE

AIRPORT DATA		
DESCRIPTION	EXISTING	ULTIMATE
AIRPORT ELEVATION	787	787
MEAN MAXIMUM TEMP (HOTTEST MONTH)	80°	80°
COMBINED WIND COVERAGE (12 MPH)	99%	99%
MAGNETIC VARIATION	15.09° W	
AIRCRAFT DESIGN GROUP	C	II
AIRCRAFT APPROACH SPEED		
CRITICAL AIRCRAFT	GULFSTREAM III	GULFSTREAM III
AIRPORT REFERENCE POINT	LAT. 43° 31' 48" N LONG. 72° 56' 59" W	43° 31' 48" N 72° 56' 59" W



NON-CONFORMING CONDITIONS				
DESCRIPTION	EXISTING/ PLANNED	STANDARD	REMARKS	DATE APPROVED
R/W 19 SAFETY AREA	300' X 150' EXISTING 550' X 400' PLANNED	1000' X 400'	ADDRESSED IN CHAPTER 3 OF MASTER PLAN UPDATED JAN. 2001	
R/W 1 SAFETY AREA	450' X 400' EXISTING & PLANNED	1000' X 400'	ADDRESSED IN CHAPTER 3 OF MASTER PLAN	

CERTIFICATION:

VERMONT AGENCY OF TRANSPORTATION CERTIFIES THAT ALL AIRPORT ELEMENTS SHOWN ON THIS ALP ARE IN ACCORDANCE WITH CRITERIA CONTAINED IN THE CURRENT EDITION OF FAA ADVISORY CIRCULAR 150/5300-13 EXCEPT AS NOTED IN THE TABLE ENTITLED "NON-CONFORMING CONDITIONS."

NAME: _____ DATE: _____

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
NEW ENGLAND REGION

APPROVED: _____
CHIEF, AIRPORT DIVISION, FAA

DATE: _____

APPROVED SUBJECT TO COMMENTS AND RECOMMENDATIONS IN LETTER DATED: _____

VERMONT AGENCY OF TRANSPORTATION
MONTPELIER, VERMONT

APPROVED: _____
AIRPORT MANAGER

APPROVED: _____
AVIATION PROGRAM MANAGER

APPROVED: _____
DIRECTOR OF MAINTENANCE AND AVIATION DIVISION

DATE: _____

7/2001 REVISE APPROVAL/CERTIFICATION BLOCK

1/2001 UPGRADE RUNWAY 1 TO NP APPROACH

1/2001 REVISED TO REFLECT APRON DESIGN

REV. DATE DESCRIPTION

Job No. F20000179.00

File No. RUT_ALP.DGN

RUTLAND STATE AIRPORT
CLARENDON, VERMONT

AIRPORT MASTER PLAN UPDATE
AIRPORT LAYOUT PLAN

URS Greiner
1 NORTHWAY LN.
LATHAM, NEW YORK

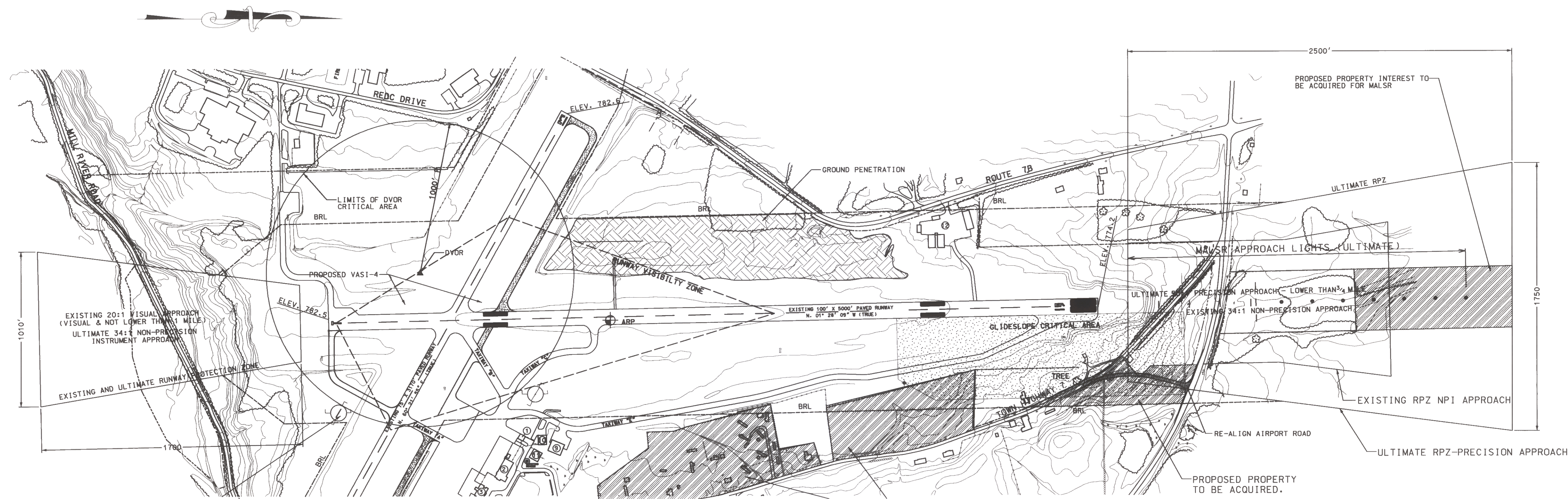
Designed by: G.W.D.
Drawn by: AL BEY
Checked by: M.L.C.
Approved by: G.W.D.

Scale: 1"=400'

Date: JAN. 2001

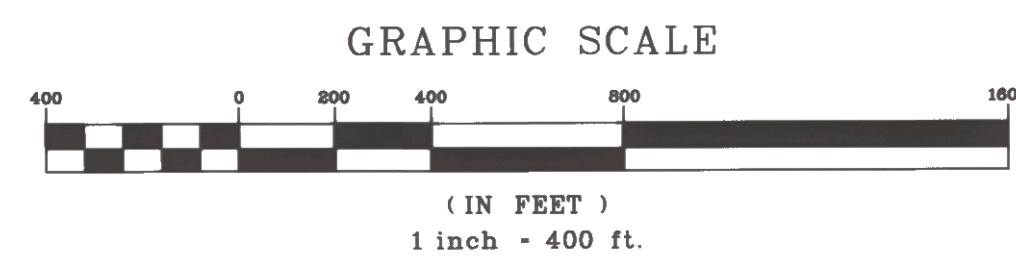
Sheet 3 of 10

Sheet No 3



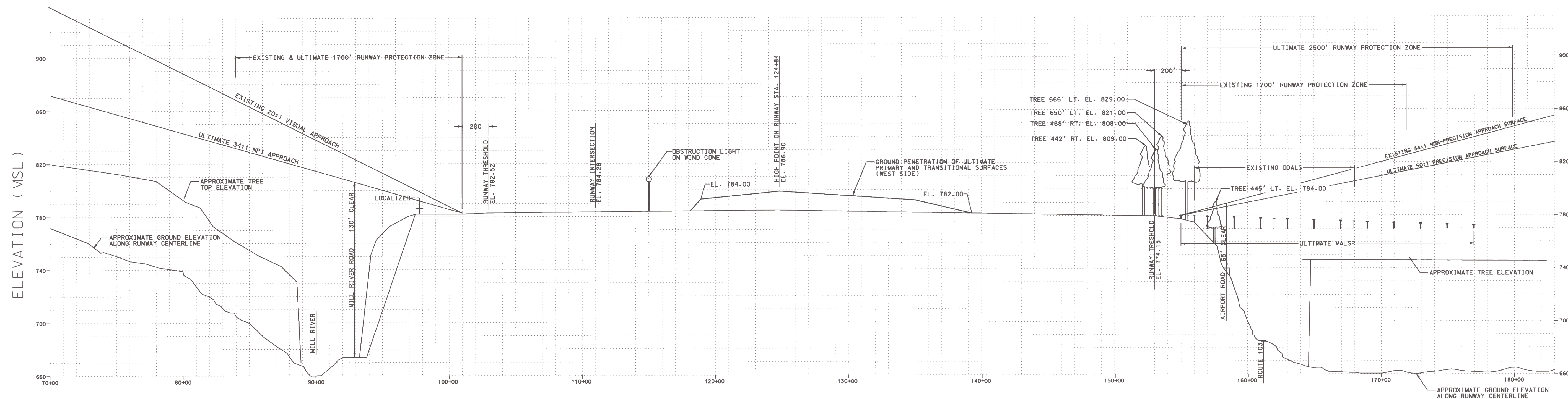
NOTES:

1. EXISTING GROUND PROFILE AND CONTOURS WITHIN PLAN VIEW ARE BASED ON AERIAL PHOTOGRAMMETRY, TAKEN IN APRIL, 1998, AUGMENTED BY THE USGS MAPPING.
2. TREE TOP ELEVATIONS BASED ON AIRPORT OBSTRUCTION CHART DATA. (OC-968) PUBLISHED BY NOAA, FEB, 1998.



RUNWAY 1-19 PLAN 1" = 400'

LEGEND	
	GROUND PENETRATIONS
	TREES



RUNWAY 1-19 PROFILE HORIZONTAL 1" = 400' VERTICAL 1" = 40'

RUTLAND STATE AIRPORT CLARENDON, VERMONT	
---	--

REV.	DATE	DESCRIPTION
1/2001		UPGRADE RUNWAY 1 TO NP1 APPROACH

AIRPORT MASTER PLAN UPDATE RUNWAY 1-19 PLAN PROFILE

URS Greiner
1 NORTHWAY LN.
LATHAM, NEW YORK

Designed by: G.W.D.
Drawn by: AL BEY
Checked by: M.L.C.
Approved by: G.W.D.

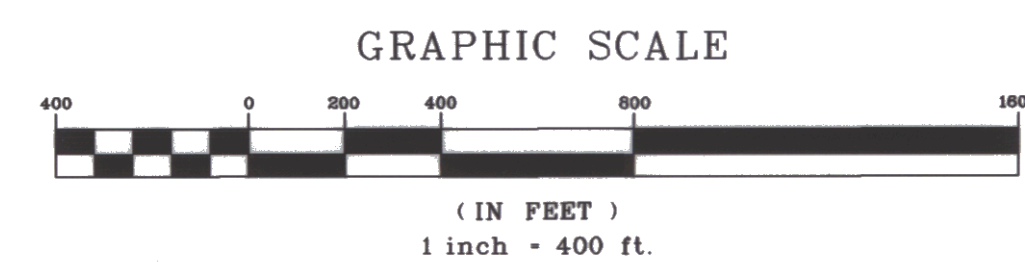
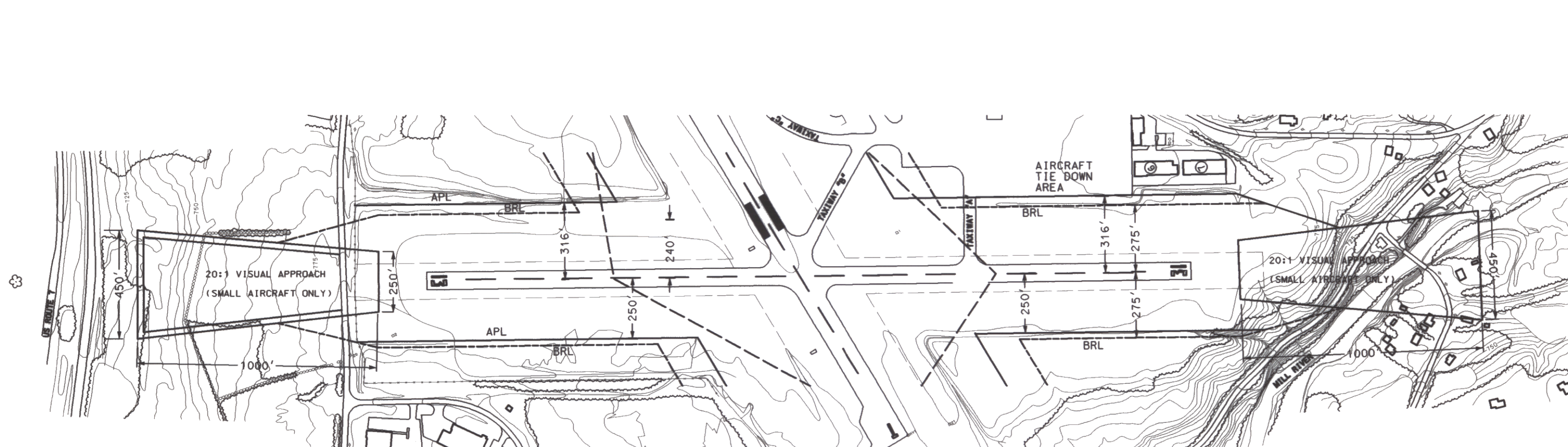
Scale: AS SHOWN

Date: JAN. 2001

Sheet 40f 10

Drawing No.

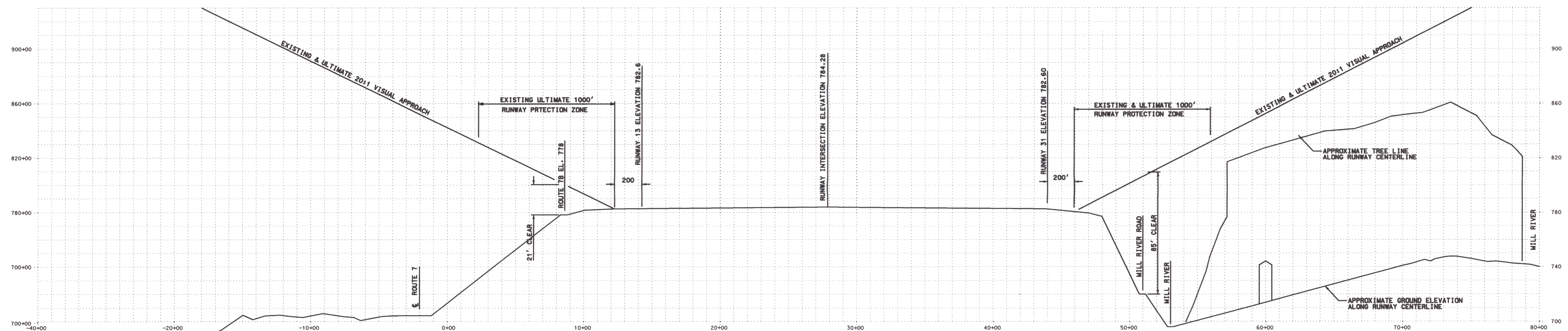
4



RUNWAY 13-31 PLAN
1" = 400'

NOTES:

1. EXISTING GROUND PROFILE AND CONTOURS WITHIN PLAN VIEW ARE BASED ON AERIAL PHOTOGRAMMETRY, TAKEN IN APRIL 1998, AUGMENTED BY USGS MAPPING.
2. TREE TOP ELEVATIONS BASED ON AIRPORT OBSTRUCTION CHART DATA. (OC-968) PUBLISHED BY NOAA, FEB. 1998.



RUNWAY 13-31 PROFILE

[illegible]

RUTLAND STATE AIRPORT
CLARENDON, VERMONT

AIRPORT MASTER PLAN UPDATE
 RUNWAY 13-31 PLAN PROFILE

URS Greiner
1 NORTHWAY LN.
LATHAM, NEW YORK

Designed by: G.W.D.
 Drawn by: AL BEY
 Checked by: M.L.C.
 Approved by: G.W.D.

Scale: AS SHOWN

Date: MARCH, 2002

Sheet 5 Of 10

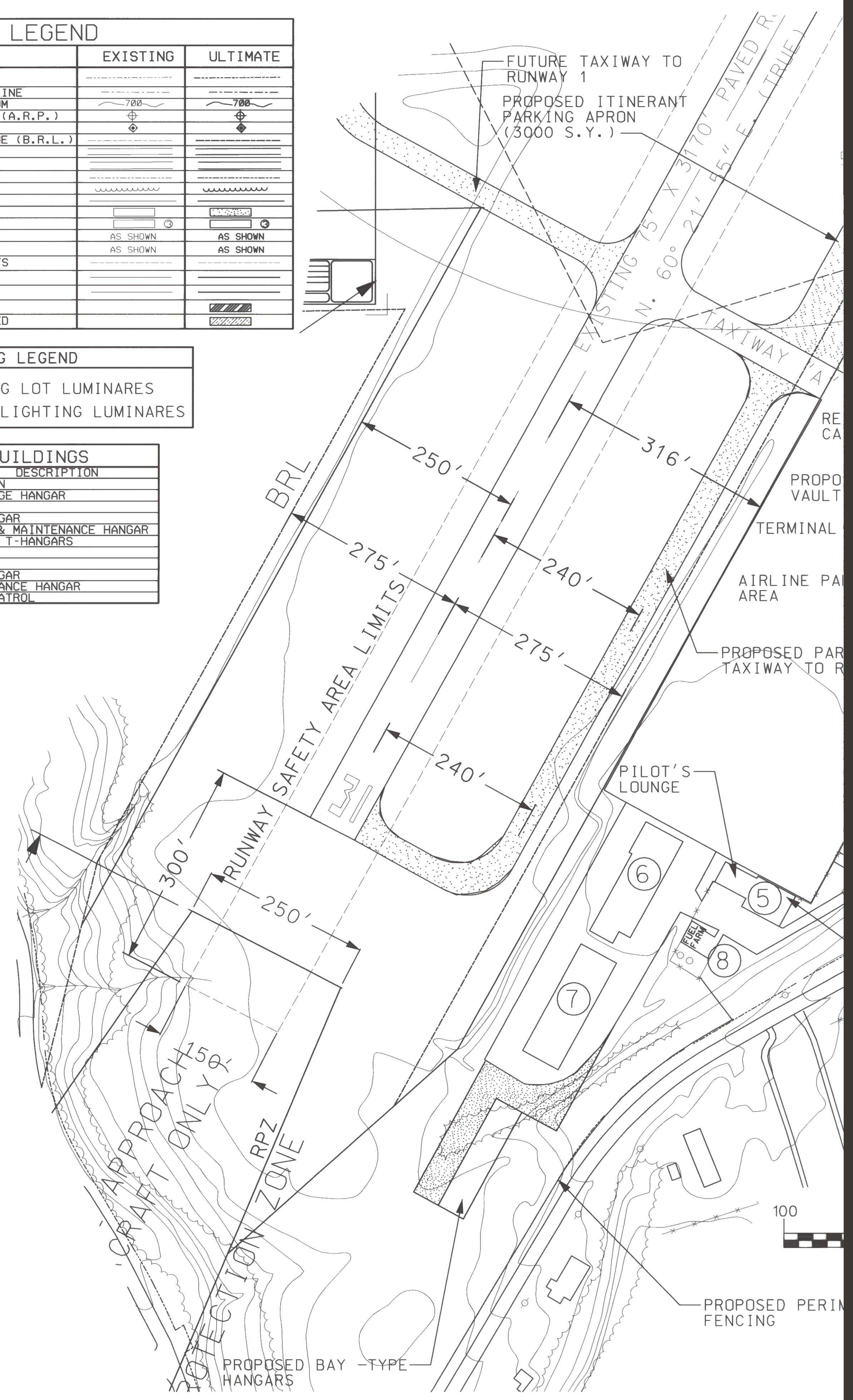
Drawing No

5

LEGEND		
ITEM	EXISTING	ULTIMATE
AIRPORT PROPERTY LINE		
MISCELLANEOUS PROPERTY LINE		
CONTOURS (USGS-MSL) DATUM	700	700
AIRPORT REFERENCE POINT (A.R.P.)		
AIRPORT ROTATING BEACON		
BUILDING RESTRICTION LINE (B.R.L.)		
EASEMENT		
RUNWAYS/TAXIWAYS/APRON		
WATER COURSE		
TREELINE/BRUSH		
SAFETY AREA		
AIRPORT PAVEMENTS		
AIRPORT BUILDINGS		
AUTO PARKING	AS SHOWN	AS SHOWN
TIEDOWNS	AS SHOWN	AS SHOWN
RUNWAY SAFETY AREA LIMITS		
AIRPLANE PARKING LIMITS		
NEW PERIMETER FENCING		
PROPERTY TO BE ACQUIRED		
PROPERTY TO BE TRANSFERRED		

LIGHTING LEGEND	
◊	EXISTING PARKING LOT LUMINARES
◊	PROPOSED APRON LIGHTING LUMINARES

AIRPORT BUILDINGS		
IDENTIFIER		DESCRIPTION
1		FIRE STATION
2		STATE STORAGE HANGAR
3		TERMINAL
4		STORAGE HANGAR
5		FBO OFFICE & MAINTENANCE HANGAR
6		STORAGE AND T-HANGARS
7		T-HANGARS
8		FUEL FARM
9		STORAGE HANGAR
10		FBO MAINTENANCE HANGAR
11		CIVIL AIR PATROL





URS Greiner
1 NORTHWAY LN.
LATHAM, NEW YORK
(518) 786-0676

Designed by: G.W.D.
Drawn by: AL BEY
Checked by: -G.W.D.
Approved by: -G.W.D.

Scale: 1" = 1400'
Date: JAN. 2001
Sheet 9 of 10
Drawing No. 9

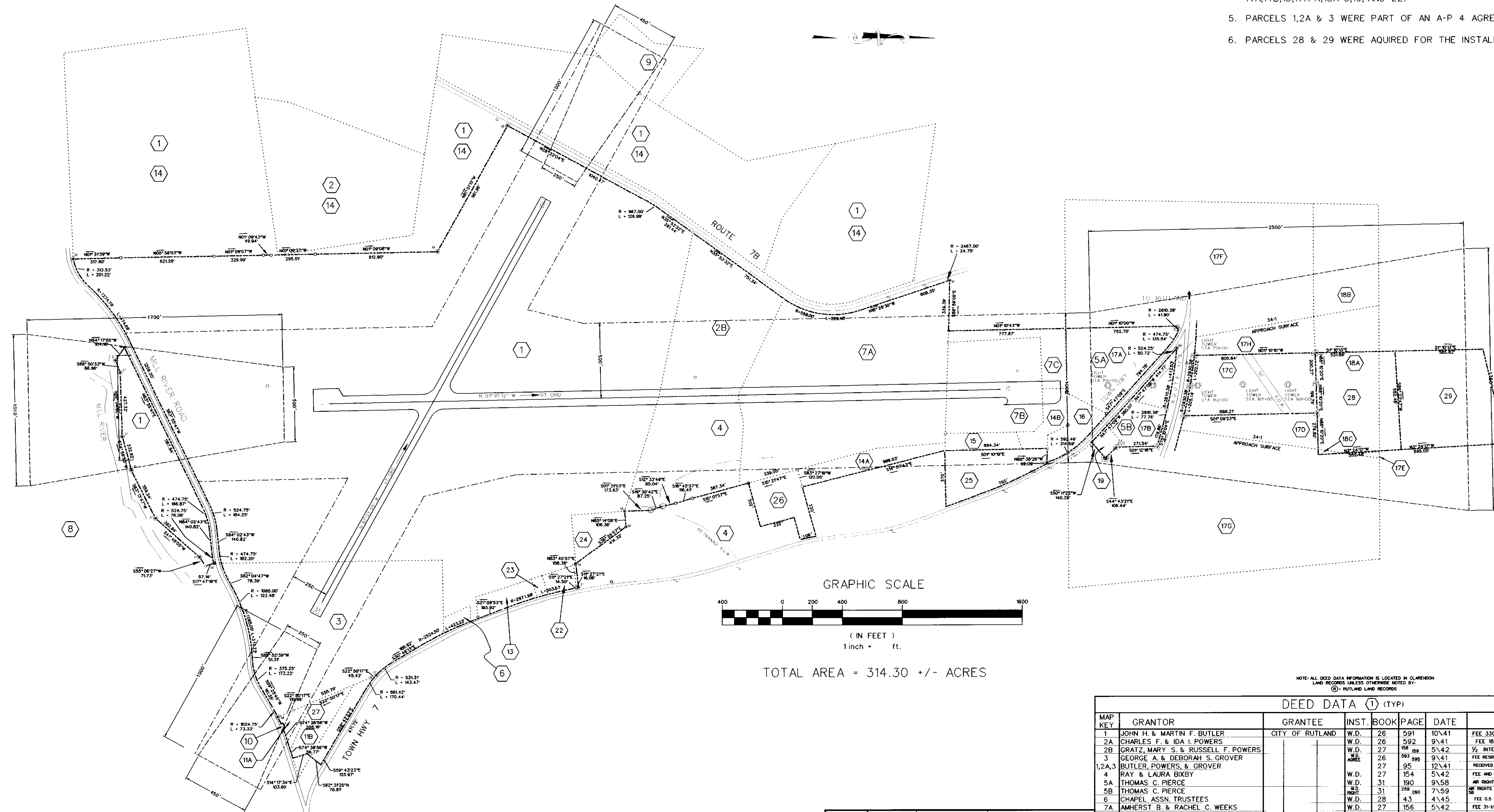
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIRPORT MASTER PLAN UPDATE
F.A.R. PART 77
IMAGINARY SURFACE

REV.	DATE	DESCRIPTION
1/2001	1/2001	UPGRADE RUNWAY 1 TO NPI APPROACH

Job No. F200001719.00
File No. PART77.dgn

NOTES

- BEARINGS REFERENCE STATE PLANE GRID NORTH
- PROPERTY IS SUBJECT TO EXISTING EASEMENTS AND RIGHTS-OF-WAY OF RECORD
- THIS PLAN IS AN UPDATE OF A PREVIOUS SURVEY AND EXHIBIT "A" PREPARED BY BRUNO ASSOC., WOODSTOCK, VT DATED 8/8/94
- PARCELS AND AVIATION EASEMENTS ACQUIRED WITH FEDERAL FUNDS AS A PART OF ADAP PROJECT 6-50-0015-07 ARE... 14A,14B,15,17A-H,18A-C,19, AND 22.
- PARCELS 1,2A & 3 WERE PART OF AN A-P 4 AGREEMENT
- PARCELS 28 & 29 WERE AQUIRED FOR THE INSTALLATION OF THE MALS.R.



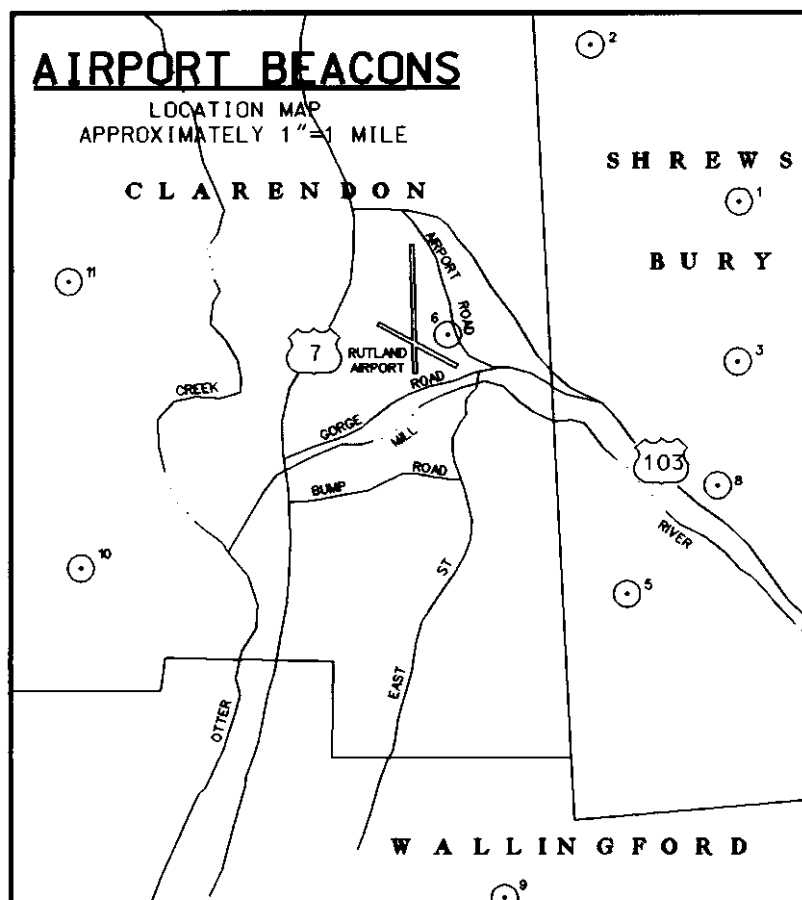
TOTAL AREA = 314.30 +/- ACRES

NOTE: ALL DEED DATA INFORMATION IS LOCATED IN CLARENDON LAND RECORDS UNLESS OTHERWISE NOTED BY:

FIGURES: WATER: 1000000
RUTLAND: 1000000

DEED DATA (1) (TYP)

MAP KEY	GRANTOR	GRANTEE	INST.	BOOK	PAGE	DATE	REMARKS
1	JOHN H. & MARTIN F. BUTLER	CITY OF RUTLAND	W.D.	26	591	10/41	FEE 330A & 27A
2A	CHARLES F. & IDA I. POWERS		W.D.	26	592	9/41	FEE 18.36 AC.
2B	GRATZ, MARY S. & RUSSELL F. POWERS		W.D.	27	108	5/42	1/2 INTEREST
3	GEORGE A. & DEBORAH S. GROVER		W.D.	26	593	9/41	FEE RESTRICTIONS ON ADJOINING LAND TO READ
12A,3	BUTLER, POWERS, & GROVER		W.D.	27	95	12/41	RECEIVED METES & BOUND. DES. 12A & 3AC
4	RAY & LAURA BIXBY		W.D.	27	154	5/42	FEE AND 50' R.O.W. FOR DRAINAGE 0-1/2 AC
5A	THOMAS C. PIERCE		W.D.	31	190	9/58	AP RIGHTS REVERSIONS CLAUSE
5B	THOMAS C. PIERCE		W.D.	31	199	7/59	AP RIGHTS REVERSIONS CLAUSE RIGHT TO CUT TREES ON
6	CHAPEL ASSN. TRUSTEES		W.D.	28	43	4/45	FEE 0.5 AC
7A	AMHERST B. & RACHEL C. WEEKS		W.D.	27	156	5/42	FEE 31-1/2 AC. FAN GRANT 5802
7B&C	AMHERST B. & RACHEL C. WEEKS		COND.	31	179	8/58	FENCE MAINTENANCE 75' AP RIGHTS FAN GRANT 5802
8	WILLIAM D. & JOYCE C. LIND		RIGHT	31	261	8/59	RIGHT TO CUT TREES
9	VIRGINIA K. FRANTZ		W.D.	31	414	6/61	AP RIGHTS REVERSION CLAUSE 4.3 AC FAN 603
10	CLIFFORD H. & MARY E. BROWN		W.D.	31	418	8/61	AP RIGHTS REVERSION CLAUSE 10.0 AC FAN 603
11A&B	ARTHUR S. & IRENE C. HILL		W.D.	32	1	9/61	AP RIGHTS REVERSION CLAUSE FAN 603
13	EUGENE A. & JUNE FREDETTE	STATE OF VERMONT	COND.	53	428	5/13/85	REVERSIONS AP 3-50-0015-08
14	CITY OF RUTLAND	STATE OF VERMONT	COND.	53	428	5/13/85	REVERSIONS AP 3-50-0015-08
14A	WILLIAM A. & DORIS H. WEEKS	STATE OF VERMONT	COND.	53	428	5/13/85	REVERSIONS AP 3-50-0015-08
14B	WILLIAM A. & DORIS H. WEEKS	STATE OF VERMONT	COND.	53	428	5/13/85	REVERSIONS AP 3-50-0015-08
15	THOMAS S. WILLIAM A. & DORIS H. WEEKS						REVERSIONS AP 3-50-0015-08
16	CARROLL C. WEEKS						REVERSIONS AP 3-50-0015-08
17A	GILBERT A. ET UX PIERCE						REVERSIONS AP 3-50-0015-08
17B	GILBERT A. ET UX PIERCE						REVERSIONS AP 3-50-0015-08
17C	GILBERT A. ET UX PIERCE						REVERSIONS AP 3-50-0015-08
17D-H	GILBERT A. ET UX PIERCE						REVERSIONS AP 3-50-0015-08
18A	HENRY & ILSE VERGI						REVERSIONS AP 3-50-0015-08
18B&C	HENRY & ILSE VERGI						REVERSIONS AP 3-50-0015-08
19	STEVEN H. & DENISE M. SEYFRIED		WARR	65	472	8/28/89	REVERSIONS AP 3-50-0015-08
20	STEVEN H. & DENISE M. SEYFRIED		WARR	65	472	8/28/89	REVERSIONS AP 3-50-0015-08
21	C.V.P.S.						REVERSIONS AP 3-50-0015-08
22	NEW ENGLAND TEL.						REVERSIONS AP 3-50-0015-08
23	CARL S. & RITA K. START ESTATE	STATE OF VERMONT	W.D.	55	399	1/23/86	REVERSIONS AP 3-50-0015-08
24	GEORGE L. J. & NALDA B. MERRILL	STATE OF VERMONT	W.D.	55	399	1/23/86	REVERSIONS AP 3-50-0015-08
25	BUTLER BROTHERS	STATE OF VERMONT	W.D.	26	598	10/41	27A DEEDED IN BUTLER BROTHERS
26	VT AERONAUTICS BO	STATE OF VERMONT	W.D.	34	264	8/69	ALL OF AIRPORT & RIGHTS
27	DYER ESTATE	STATE OF VERMONT	T.D.	24	584	2/77	RESERVES FIRST REFUSAL BEACON SITE
28	C.V.P.S.	STATE OF VERMONT	WARR	76	249	3/11/93	REVERSIONS AP 3-50-0015-08
29	JAYNE W. CONANT	STATE OF VERMONT	WARR	81	79	6/15/94	1.80 AC FEE
30	T.S. & M.A. WEEKS	STATE OF VERMONT	WARR	83	179	1/25/95	4.0 AC FEE
31	H.N. & L.M. STREETER	STATE OF VERMONT	WARR	93	545	12/5/98	2.1 AC FEE
32	DONALD A. HILL	STATE OF VERMONT	WARR	103	534	11/15/01	3.8 AC FEE FOR 04-3/41
33	HENRY VERGI	STATE OF VERMONT	WARR	104	51	11/6/01	8.3 AC FEE
34	LEO & KATHLEEN BRAUN	STATE OF VERMONT	WARR	104	51	11/6/01	8.3 AC FEE
35	(ESTATE OF AALANQUETTE)						8.3 AC FEE



LEGEND

- EXISTING IRON PIN FOUND
- EXISTING MONUMENT FOUND
- EXISTING HWY DISK FOUND
- BOUNDARY POINT
- IRON PIN SET
- TREES
- STREAM/ EDGE OF WATER
- BOUNDARY LINE
- PARCEL REFERENCE LINE
- OUT CONVEYANCE
- DEED DATA
- CONCRETE MONUMENT SET
- AVIATION EASEMENT
- BUILDING RESTRICTION LINE
- RUNWAY PROTECTION ZONE

TABLE A	ADDITIONAL REMARKS FROM DEED DATA
17D	3.65 AC EASEMENT
17E	0.50 AC EASEMENT
17F	22.30 AC EASEMENT
17G	22.30 AC EASEMENT
17H	3.54 AC EASEMENT
17I	7.60 AC EASEMENT
17J	0.08 AC EASEMENT

BEACON	ELEVATION	LOCATION
1	2000	RIDGE OF EAST MOUNTAIN
2	1800	COLD RIVER ROAD SHREWSBURY
3	1700	BEACON HILL SHREWSBURY
4	1600	SHREWSBURY SHREWSBURY
5	1500	SHREWSBURY SHREWSBURY
6	1400	SHREWSBURY SHREWSBURY
7	1300	SHREWSBURY SHREWSBURY
8	1200	SHREWSBURY SHREWSBURY
9	1100	SHREWSBURY SHREWSBURY
10	1000	SHREWSBURY SHREWSBURY
11	900	SHREWSBURY SHREWSBURY
12	800	SHREWSBURY SHREWSBURY
13	700	SHREWSBURY SHREWSBURY
14	600	SHREWSBURY SHREWSBURY
15	500	SHREWSBURY SHREWSBURY
16	400	SHREWSBURY SHREWSBURY
17	300	SHREWSBURY SHREWSBURY
18	200	SHREWSBURY SHREWSBURY
19	100	SHREWSBURY SHREWSBURY
20	0	SHREWSBURY SHREWSBURY

BEACONS 2-9 ACQUIRED UNDER FAN 201

RUTLAND STATE AIRPORT
CLARENDON, VERMONT

AIRPORT MASTER PLAN UPDATE
EXHIBIT "A"

URS Greiner
1 NORTHWAY LN.
LATHAM, NEW YORK

Designed by: G.W.D.
Drawn by: AL BEY
Checked by: M.L.C.
Approved by: G.W.D.

Scale: 1" = 400'

Date: MARCH, 2002

Sheet 10 Of 10

Sheet No
10