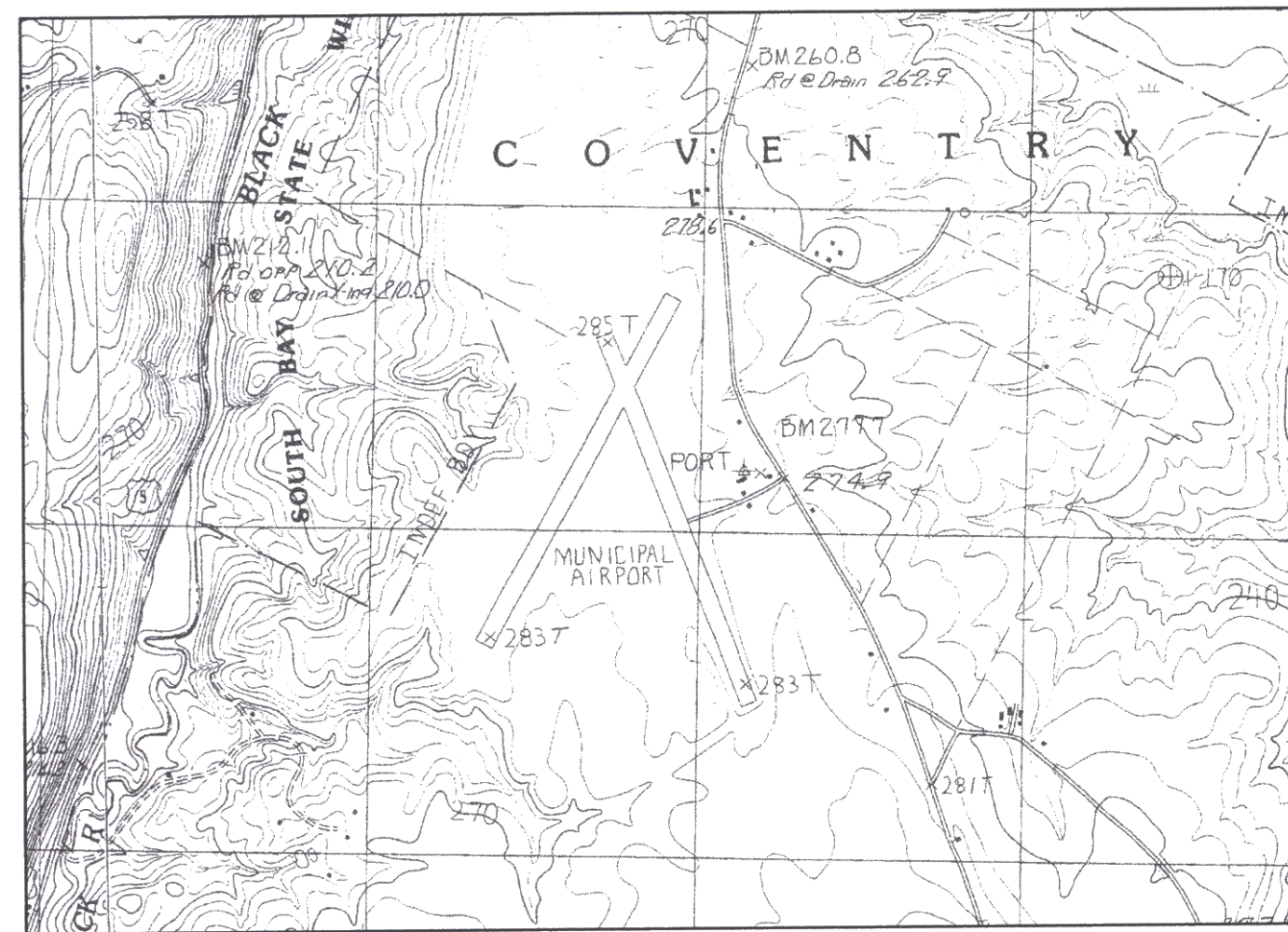


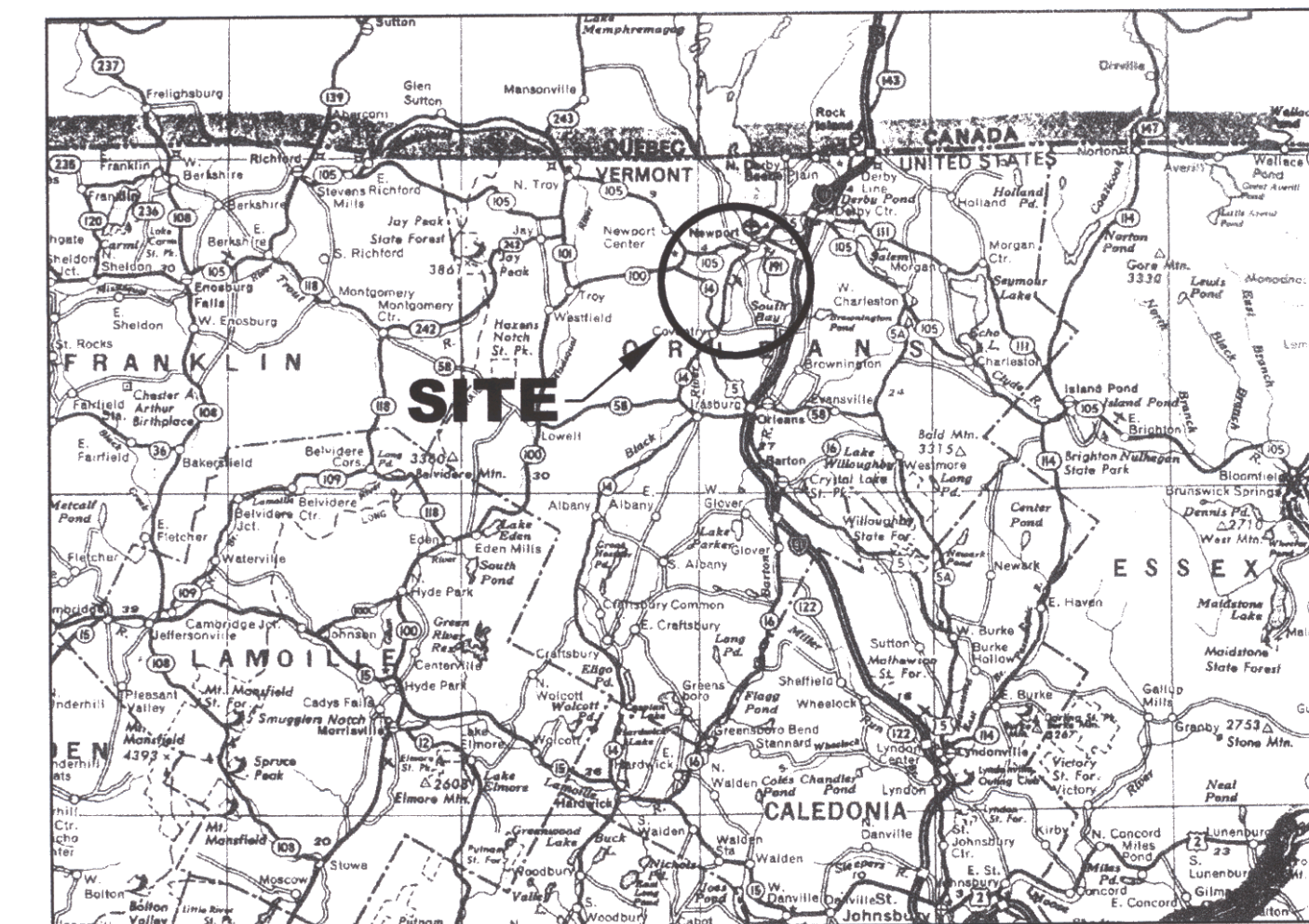
NEWPORT STATE AIRPORT MASTER PLAN UPDATE COVENTRY, VERMONT

F.A.A. PROJECT NO. 3-50-0013-03



VICINITY MAP

PREPARED BY
DuBOIS & KING, INC.
P.O. BOX 339
RANDOLPH, VT 05060



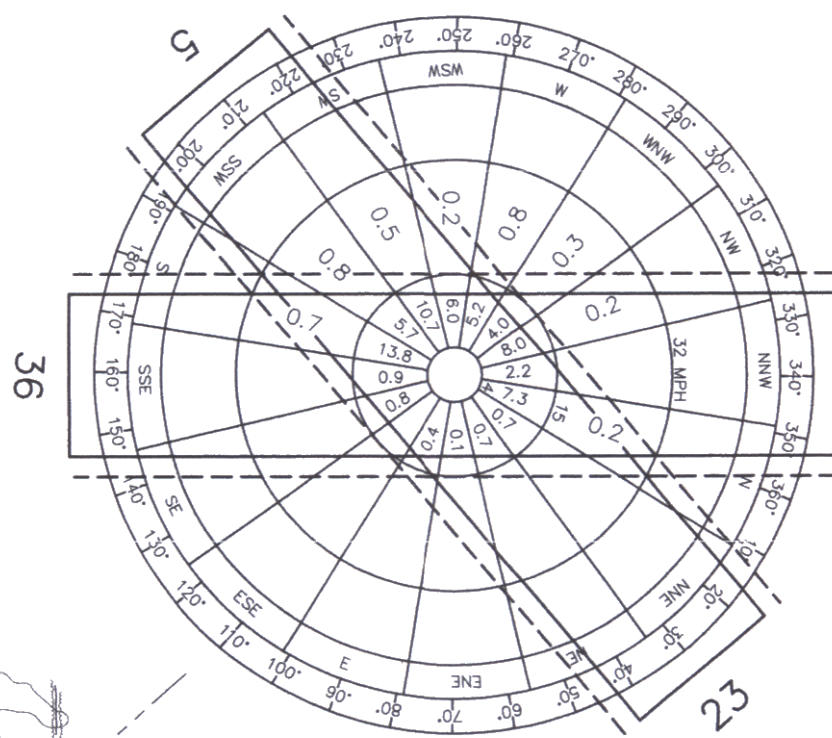
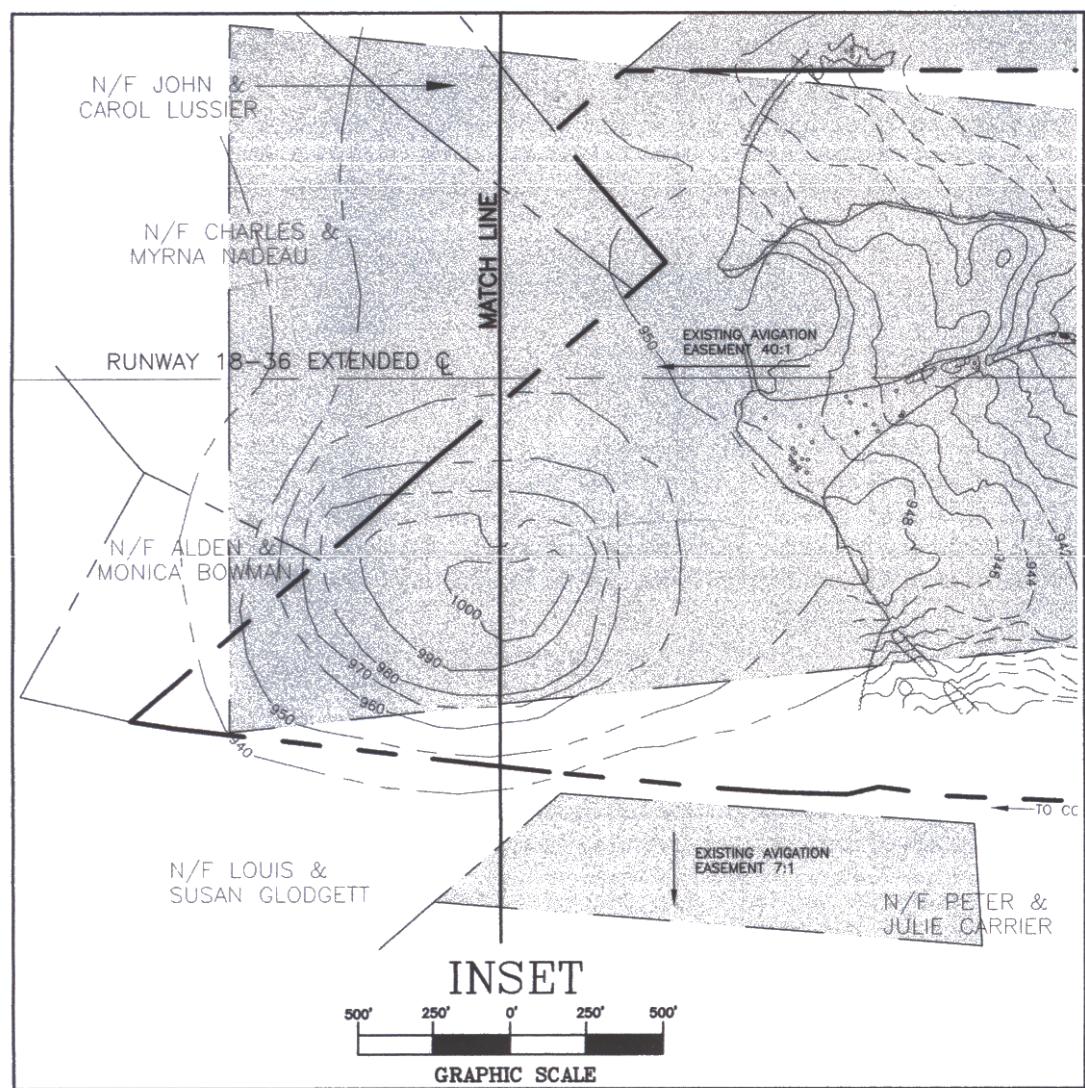
LOCATION MAP

SHEET INDEX

1. TITLE SHEET
2. EXISTING AIRPORT LAYOUT PLAN
3. ULTIMATE AIRPORT LAYOUT PLAN
4. TERMINAL AREA PLAN
5. AIRPORT IMAGINARY SURFACES PLAN
6. PLAN & PROFILE RUNWAY 18-36
7. PLAN & PROFILE RUNWAY 5-23
8. LAND USE PLAN

VERMONT AGENCY OF TRANSPORTATION	
APPROVED _____	DIRECTOR OF REAL AND AVIATION
DATE _____	
APPROVED _____	PROJECT CIVIL ENGINEER
DATE _____	

FEDERAL AVIATION ADMINISTRATION	
APPROVED _____	CHIEF, AIRPORT ENGINEERING AND SAFETY BRANCH
DATE _____	



LOCATION: NEWPORT STATE AIRPORT
CONVENTRY, VERMONT
SOURCE: FAA FILES, CIVIL AERONAUTICS ADMINISTRATION
CAA DRAWING 793

OBSERVATIONS: 8,395
JAN. 1941 - DEC. 1946
SEPTEMBER AND OCTOBER,
1944 MISSING

WIND COVERAGE
CALMS, 0-3 MPH = 34.8%

12 MPH X-WIND COMPONENT:
R/W 18-36 = 89.5%
R/W 5-23 = 91.9%
COMBINED = 97.8%

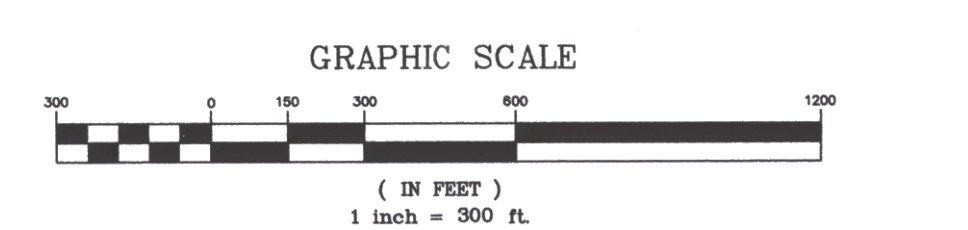
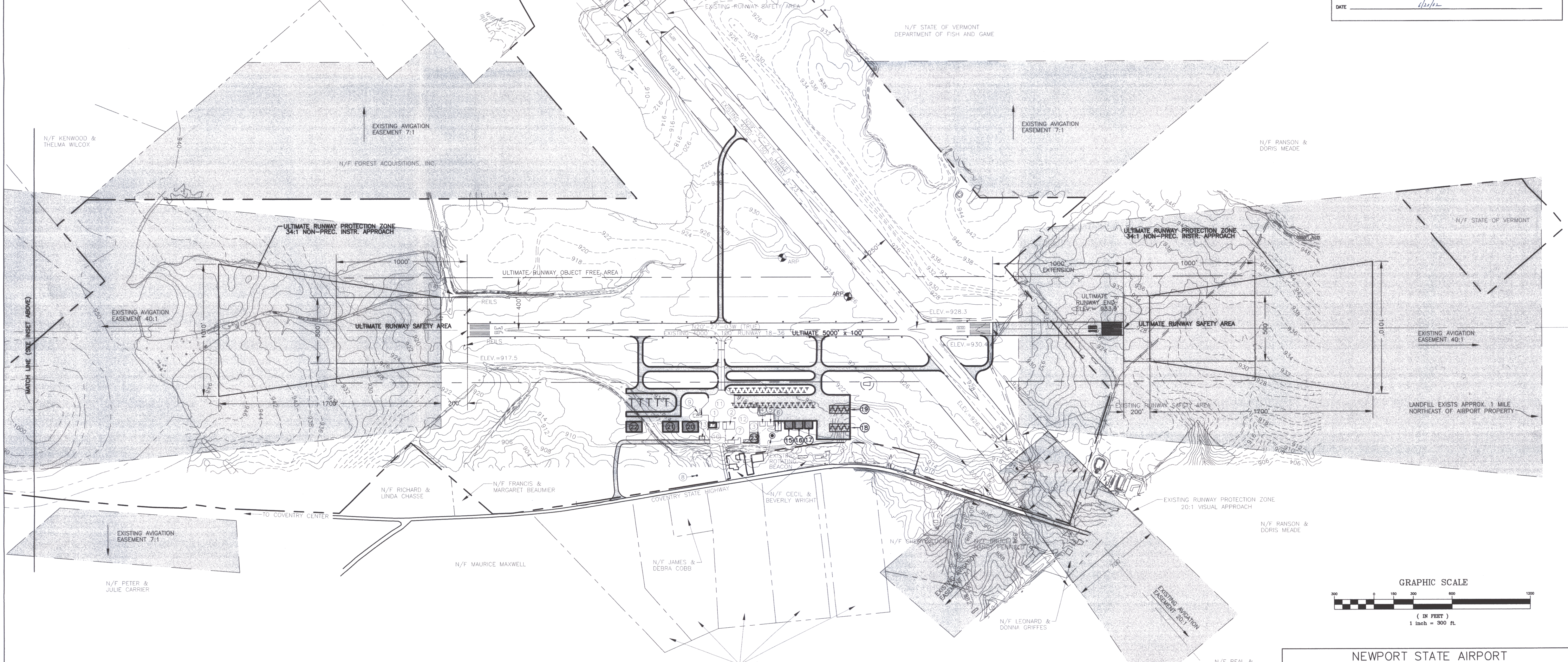
15 MPH X-WIND COMPONENT:
R/W 18-36 = 98.0%
R/W 5-23 = 98.8%
COMBINED = 99.1%

EXISTING AIRPORT FACILITIES	
NO.	FACILITY
1	ADMINISTRATION BUILDING/F.B.O. OFFICE
2	F.B.O. HANGAR/MAINTENANCE
3	GENERAL AVIATION HANGAR
4	GENERAL AVIATION HANGAR
5	GENERAL AVIATION HANGAR
6	GENERAL AVIATION HANGAR
7	MAINTENANCE GARAGE
8	WELL HOUSE
9	AIRCRAFT FUELING AREA
10	AUTOMOBILE PARKING
11	AIRCRAFT APRON
12	AIRCRAFT APRON
13	LEACHFIELD
14	DRAINAGE CHANNEL

ULTIMATE AIRPORT FACILITIES	
NO.	FACILITY
1	EXPAND EXISTING BUILDING FOR USE AS TERMINAL
15	GENERAL AVIATION HANGAR
16	GENERAL AVIATION HANGAR
17	GENERAL AVIATION HANGAR
18	T-HANGARS
19	T-HANGARS
20	AVIATION BUSINESS/HANGAR
21	AVIATION BUSINESS/HANGAR
22	AVIATION BUSINESS/HANGAR
23	ADDITIONAL PAVED PARKING

VERMONT AGENCY OF TRANSPORTATION
APPROVED: *David C. Davis*
DATE: 10/23/91
APPROVED: *Richard H. Tamm*
DATE: 10/23/91

FEDERAL AVIATION ADMINISTRATION
APPROVED: *W. H. C.*
DATE: 11/21/91



BASIC DATA TABLE

	RUNWAY 5-23		RUNWAY 18-36	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
EFFECTIVE GRADIENT (%)	0.15	0.16	0.30	0.30
WIND COVERAGE	SEE WIND ROSE THIS SHEET	SEE WIND ROSE THIS SHEET	SEE WIND ROSE THIS SHEET	SEE WIND ROSE THIS SHEET
PAVEMENT STRENGTH	30K(1) 45K(1) 60K(1)	30K(1) 45K(1) 60K(1)	30K(1) 45K(1) 60K(1)	30K(1) 45K(1) 60K(1)
LENGTH	4,000'	4,000'	4,000'	5,000'
WIDTH	150'	150'	100'	100'
RUNWAY MARKINGS	BASIC	BASIC	BASIC	NON-PRECISION
RUNWAY LIGHTING	NONE	NONE	MIRLS	MIRLS
RUNWAY SAFETY AREA WIDTH	300'	300'	300'	500'
APPROACH SURFACES AND CLEAR ZONES	20:1 (R/W 5) 20:1 (R/W 23)	20:1 (R/W 5) 20:1 (R/W 23)	20:1 (R/W 18) 20:1 (R/W 36)	34:1 (R/W 18) 34:1 (R/W 36)
PART 77 CATEGORY	VISUAL (5,23)	VISUAL (5,23)	VISUAL (18,36)	NON-PREC. (18,36)
NAVIGATION AIDS	NDB (23)	NDB (23)	NONE	PAPI (36) PAPI (18)
VISUAL AIDS	NONE	NONE	REILS (36)	REILS (36)
	GEN. UTILITY	GEN. UTILITY	GEN. UTILITY	BASIC TRANSPORT

AIRPORT DATA		
	EXISTING	ULTIMATE
AIRPORT ELEVATION (U.S.G.S. M.S.L. DATUM)	933.4'	933.9'
AIRPORT REFERENCE POINT (ESTIMATED)	44°-53'-24" N 72°-13'-48" W	
MEAN MAX. TEMP. OF HOTTEST MONTH	79°F	79°F
TAXIWAY WIDTH	50' STUB	35'
TAXIWAY LIGHTING	NONE	MIL
SERVICE LEVEL	GENERAL AVIATION	COMMUTER SERVICE
AIRPORT CLASSIFICATION	GENERAL UTILITY	BASIC TRANSPORT

LEGEND		
EXISTING	ULTIMATE	DESCRIPTION
---	---	AIRPORT PROPERTY LINE
---	---	MISCELLANEOUS PROPERTY LINES
---	---	RUNWAY OBJECT FREE AREA
---	---	AIRPORT PAVED AREAS
---	---	AVIATION EASEMENTS
---	---	CONTOUR (U.S.G.S. M.S.L. DATUM)
○	○	AIRPORT REFERENCE POINT
○	○	AIRPORT ROTATING BEACON
○	○	WIND CONES
○	○	AIRPORT SEGMENTED CIRCLE
○	○	OBSTRUCTION LIGHTS AND HAZARD BEACONS
○	○	TELEPHONE OR ELECTRICAL LINES (AERIAL UTILITIES)
○	○	DRAINAGE
○	○	TREE LINE
○	○	PROPERTY ACQUISITION
○	○	AVAILABLE AREAS FOR AIRPORT COMPATIBLE USE

NOTES:
1. 7:1 AVIATION EASEMENTS REFLECT PLAN REFERENCE NO. 1 AND ARE NOT VALIDATED BY LAND RECORDS.
2. WINDROSE INFORMATION REFLECTS PLAN REFERENCE NO. 1.
3. FOR DETAILED TERMINAL AREA PLAN, SEE SHEET 4 OF 8.

REFERENCE:
1. OCTOBER 1979 AIRPORT LAYOUT PLANS OF THE NEWPORT STATE AIRPORT, COVENTRY, VERMONT BY HOYLE TANNER & ASSOCIATES, INC.

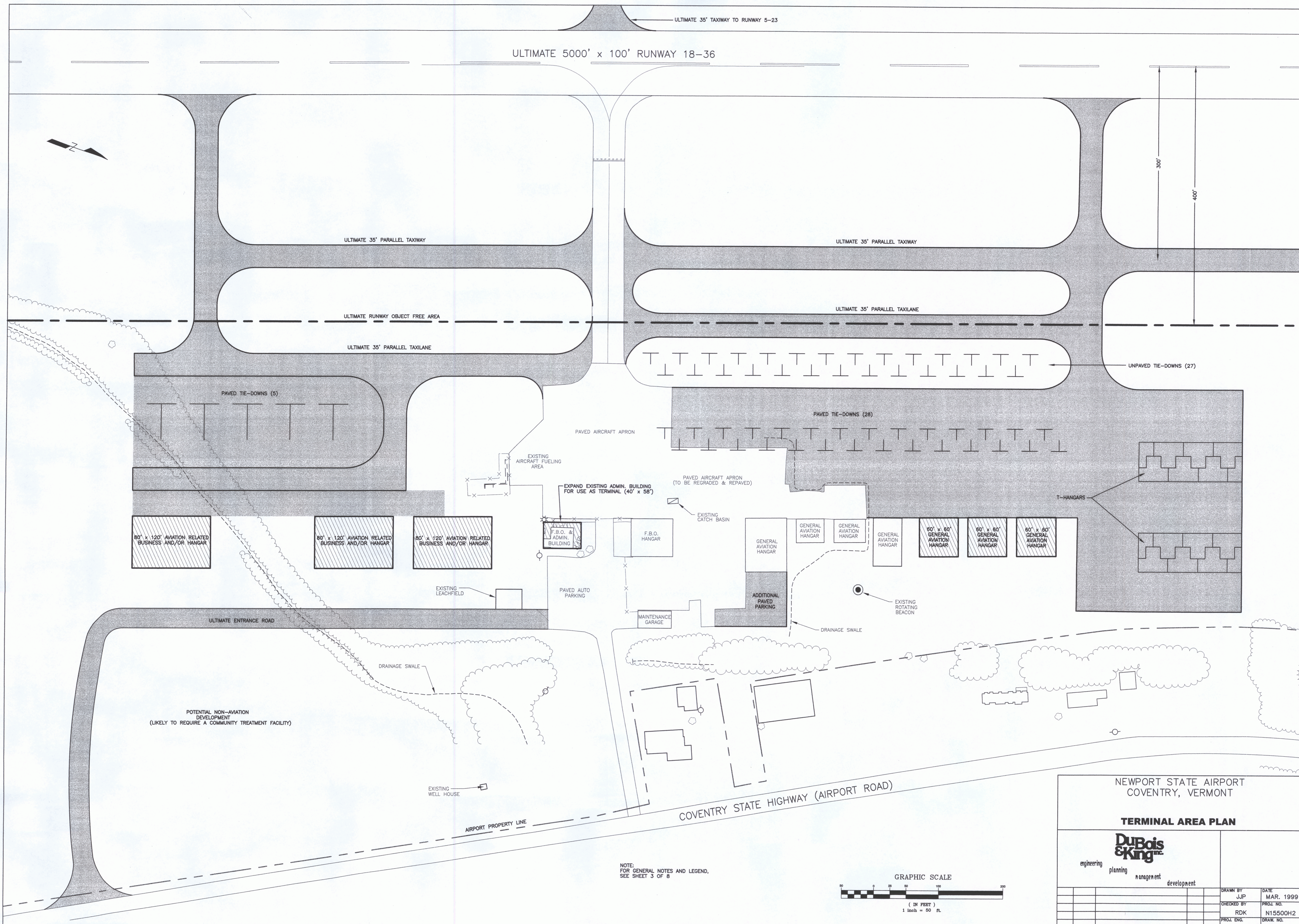
NEWPORT STATE AIRPORT
COVENTRY, VERMONT

ULTIMATE AIRPORT LAYOUT PLAN

DuBois & King
engineering planning management development

DRAWN BY	JJP	DATE	MAR. 1999
CHECKED BY	RDK	PROJ. NO.	N15500H2
PROJ. ENG.	KLR	DRAW. NO.	3

NO. DATE REVISIONS BY CK'D SHEET 3 OF 8



ULTIMATE 5000' x 100' RUNWAY 18-36

ULTIMATE 35' TAXIWAY TO RUNWAY 5-23

ULTIMATE 35' PARALLEL TAXIWAY

ULTIMATE 35' PARALLEL TAXIWAY

ULTIMATE RUNWAY OBJECT FREE AREA

ULTIMATE 35' PARALLEL TAXILANE

ULTIMATE 35' PARALLEL TAXILANE

UNPAVED TIE-DOWNS (27)

PAVED TIE-DOWNS (5)

PAVED TIE-DOWNS (28)

PAVED AIRCRAFT APRON

PAVED AIRCRAFT APRON (TO BE REGRADED & REPAVED)

EXPAND EXISTING ADMIN. BUILDING FOR USE AS TERMINAL (40' x 58')

EXISTING AIRCRAFT FUELING AREA

EXISTING CATCH BASIN

90' x 120' AVIATION RELATED BUSINESS AND/OR HANGAR

90' x 120' AVIATION RELATED BUSINESS AND/OR HANGAR

90' x 120' AVIATION RELATED BUSINESS AND/OR HANGAR

F.B.O. & ADMIN. BUILDING

F.B.O. HANGAR

GENERAL AVIATION HANGAR

GENERAL AVIATION HANGAR

GENERAL AVIATION HANGAR

60' x 80' GENERAL AVIATION HANGAR

60' x 80' GENERAL AVIATION HANGAR

60' x 80' GENERAL AVIATION HANGAR

T-HANGARS

EXISTING LEACHFIELD

PAVED AUTO PARKING

MAINTENANCE GARAGE

ADDITIONAL PAVED PARKING

DRAINAGE SWALE

EXISTING ROTATING BEACON

ULTIMATE ENTRANCE ROAD

DRAINAGE SWALE

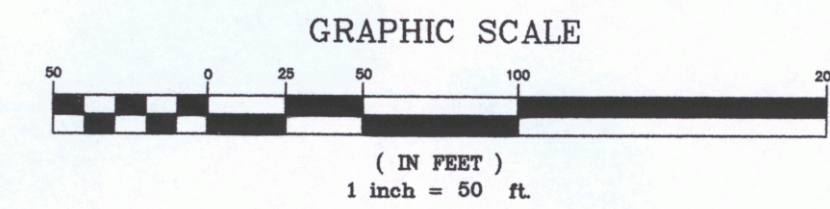
POTENTIAL NON-AVIATION DEVELOPMENT (LIKELY TO REQUIRE A COMMUNITY TREATMENT FACILITY)

EXISTING WELL HOUSE

AIRPORT PROPERTY LINE

COVENTRY STATE HIGHWAY (AIRPORT ROAD)

NOTE: FOR GENERAL NOTES AND LEGEND, SEE SHEET 3 OF 8



NEWPORT STATE AIRPORT
COVENTRY, VERMONT

TERMINAL AREA PLAN



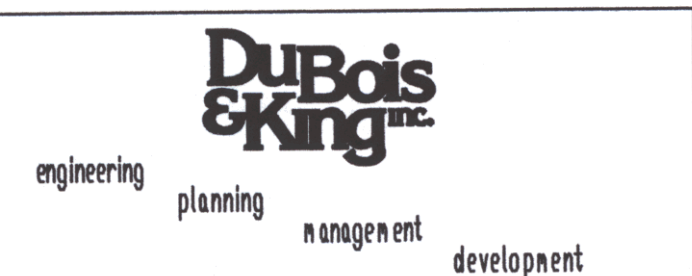
DRAWN BY	JJP	DATE	MAR. 1999
CHECKED BY	RDK	PROJ. NO.	N15500H2
PROJ. ENG.	KLR	DRAW. NO.	4
SHEET	4	OF	8

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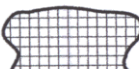



NEWPORT STATE AIRPORT
COVENTRY, VERMONT

AIRPORT IMAGINARY SURFACES PLAN



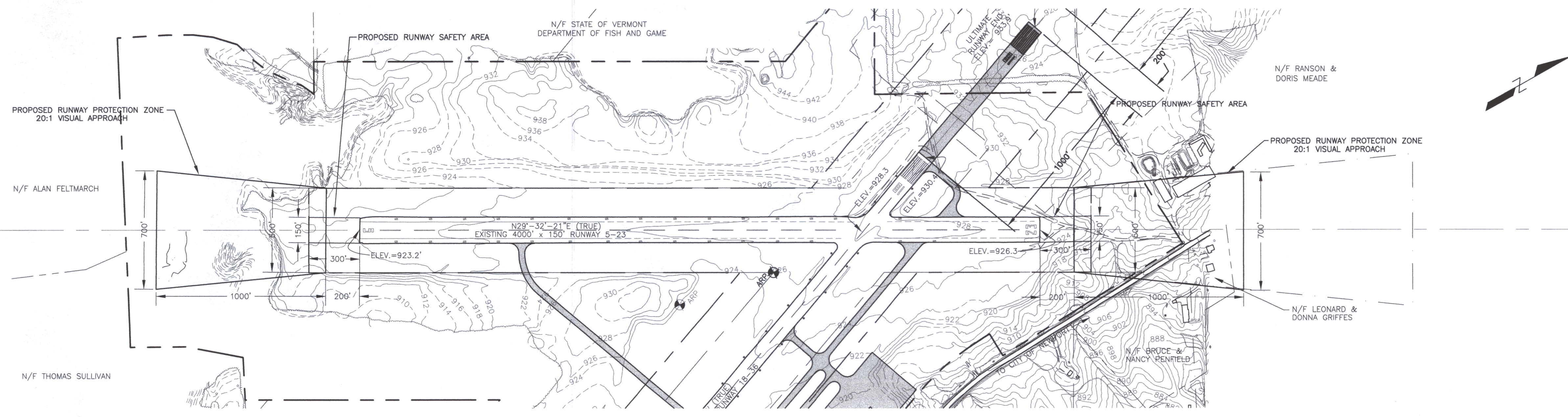
DRAWN BY	DATE
KLR	MAR. 1999
CHECKED BY	PROJ. NO.
RDK	N15500H2
PROJ. ENG.	DRAW. NO.
KLR	5
SHEET 5 OF 8	

LEGEND

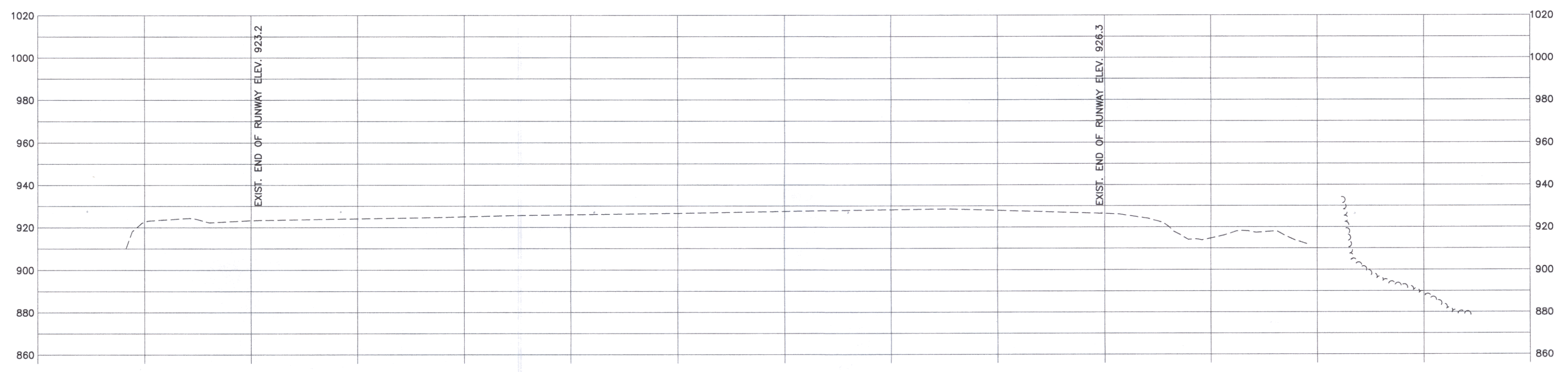
-  GROUND PENETRATION
-  POTENTIAL AREA OF TREE PENETRATIONS (80' TREE HEIGHT ASSUMED)
-  EXISTING HAZARD BEACON
-  INSTALL HAZARD BEACON

NOTES:

1. THE EXISTING AIRPORT ELEVATION IS 930'. THE ULTIMATE AIRPORT ELEVATION IS 934'.
2. THE CONTOURS & LABELS SHOWN ON THIS PLAN ARE METRIC. MULTIPLY THE CONTOUR LABELS BY 3.28 TO OBTAIN LABELS IN FEET.
3. THE GROUND CONTOUR INTERVAL IS 6 METERS (APPROXIMATELY 19.7 FEET).
4. THIS DRAWING IS NOT TO BE USED FOR AIR NAVIGATION PURPOSES.
5. THE BASE MAPS USED FOR THIS DRAWING CONSIST OF THE COVENTRY, IRASBURG, NEWPORT & NEWPORT CENTER VERMONT U.S.G.S. QUADRANGLES.
6. THE FAR PART 77 IMAGINARY SURFACES SHOWN ON THIS PLAN ARE BASED ON THE ULTIMATE AIRFIELD CONFIGURATION.

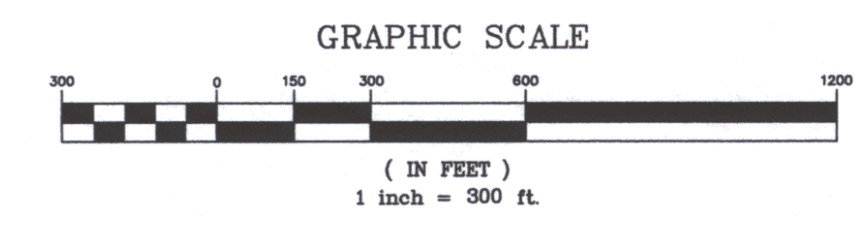



PLAN RUNWAY 5-23



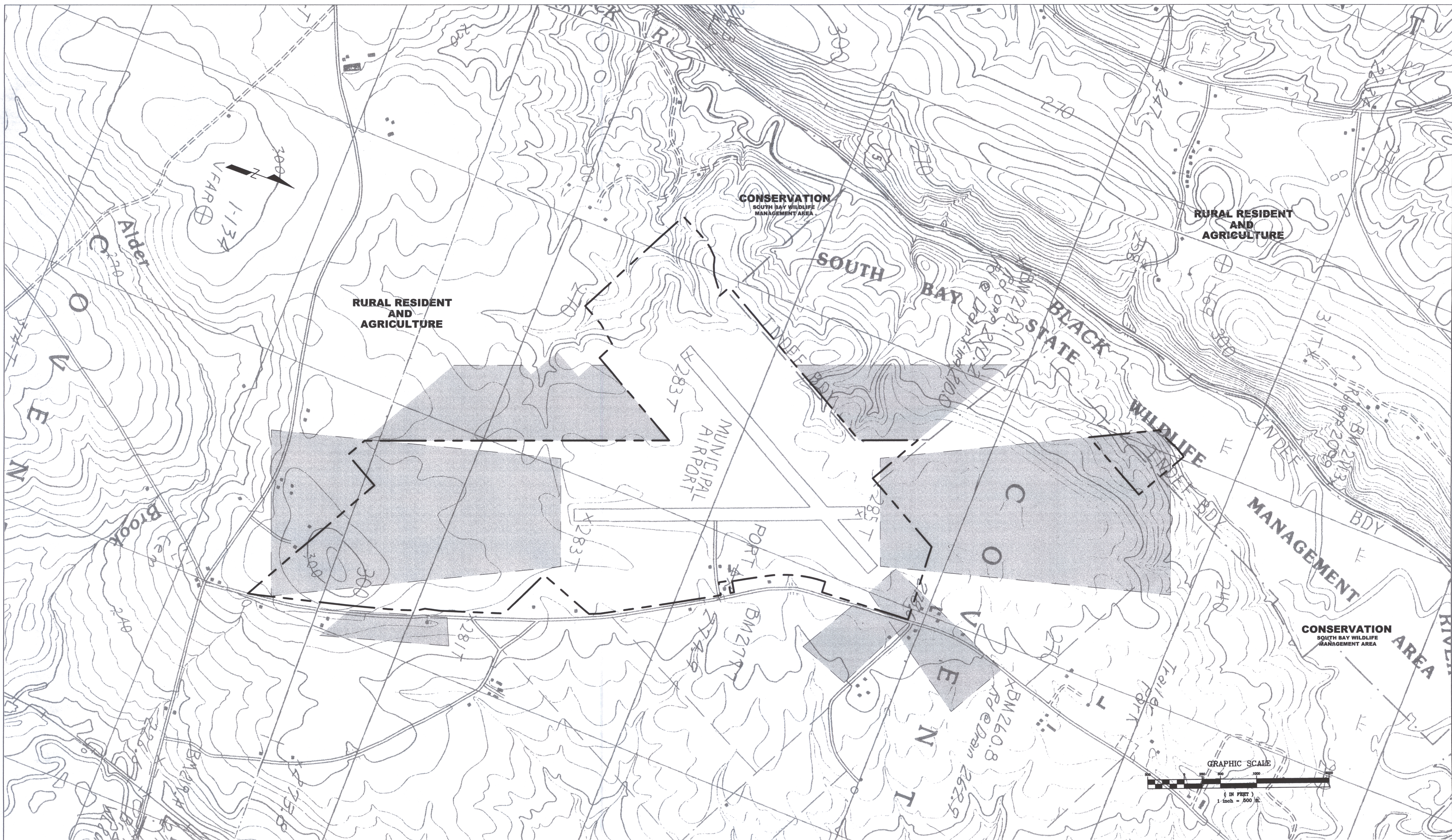
PROFILE RUNWAY 5-23

- NOTES:**
- FOR LEGEND AND GENERAL NOTES SEE SHEET NO. 3 OF 8.
 - EXISTING GROUND CONTOURS AND PROFILES ARE BASED ON THE EXISTING AIRPORT LAYOUT PLAN AND SUPPLEMENTED BY U.S.G.S. QUADRANGLES AND LIMITED FIELD SURVEY BY OTHERS.
 - EXISTING TREES, BUILDINGS, ETC. SHOWN IN PROFILE ARE ONLY THOSE FOUND WITHIN THE LIMITS OF THE APPROACH SURFACES SHOWN IN PLAN VIEW.
 - ALL PROFILE DETAILS ARE TYPICAL OF THOSE FOUND ON THE EXTENDED RUNWAY CENTERLINE UNLESS OTHERWISE NOTED.



NEWPORT STATE AIRPORT COVENTRY, VERMONT PLAN/PROFILE RUNWAY 5-23 & APPROACHES			
 engineering planning management development		DRAWN BY: JJP DATE: MAR. 1999 CHECKED BY: RDK PROJ. NO.: N15500H2 PROJ. ENG.: KLR DRAW. NO.: 7	
NO.	DATE	REVISIONS	BY
SHEET 7 OF 8			

I:\N15500H2\dwg\N15500H20007.DWG Thu May 03 14:27:00 2001



NOTES:

1. THE BASE MAPS USED FOR THIS DRAWING CONSIST OF THE COVENTRY, IRASBURG, NEWPORT & NEWPORT CENTER VERMONT U.S.G.S. QUADRANGLES.
2. LAND USE OUTSIDE OF THE AIRPORT PROPERTY ARE THOSE ESTABLISHED BY THE TOWN OF COVENTRY INTERIM ZONING BYLAW IN ACCORDANCE WITH THE VERMONT PLANNING DEPARTMENT ACT, 24 V.S.A. CHAPTER 91, SUBCHAPTER 6, SECTION 4410.

LEGEND

- EXISTING AIRPORT PROPERTY LINE
- EXISTING AVIGATION EASEMENTS

NEWPORT STATE AIRPORT
COVENTRY, VERMONT

LAND USE PLAN



NO.	DATE	REVISIONS	BY	CHK'D	SHEET	8	OF	8

DRAWN BY	JUP	DATE	FEB. 1999
CHECKED BY	RDK	PROJ. NO.	N15500F1
PROJ. ENG.	KLR	DRAW. NO.	8