

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%

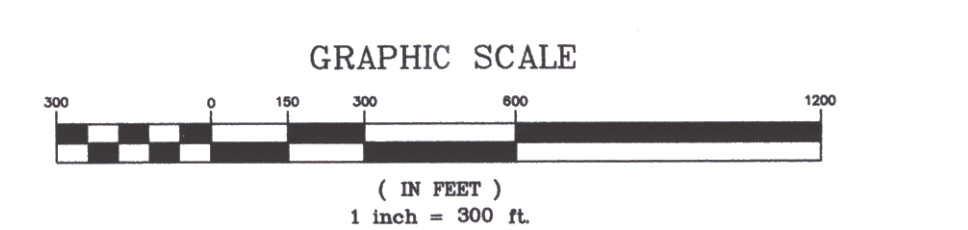
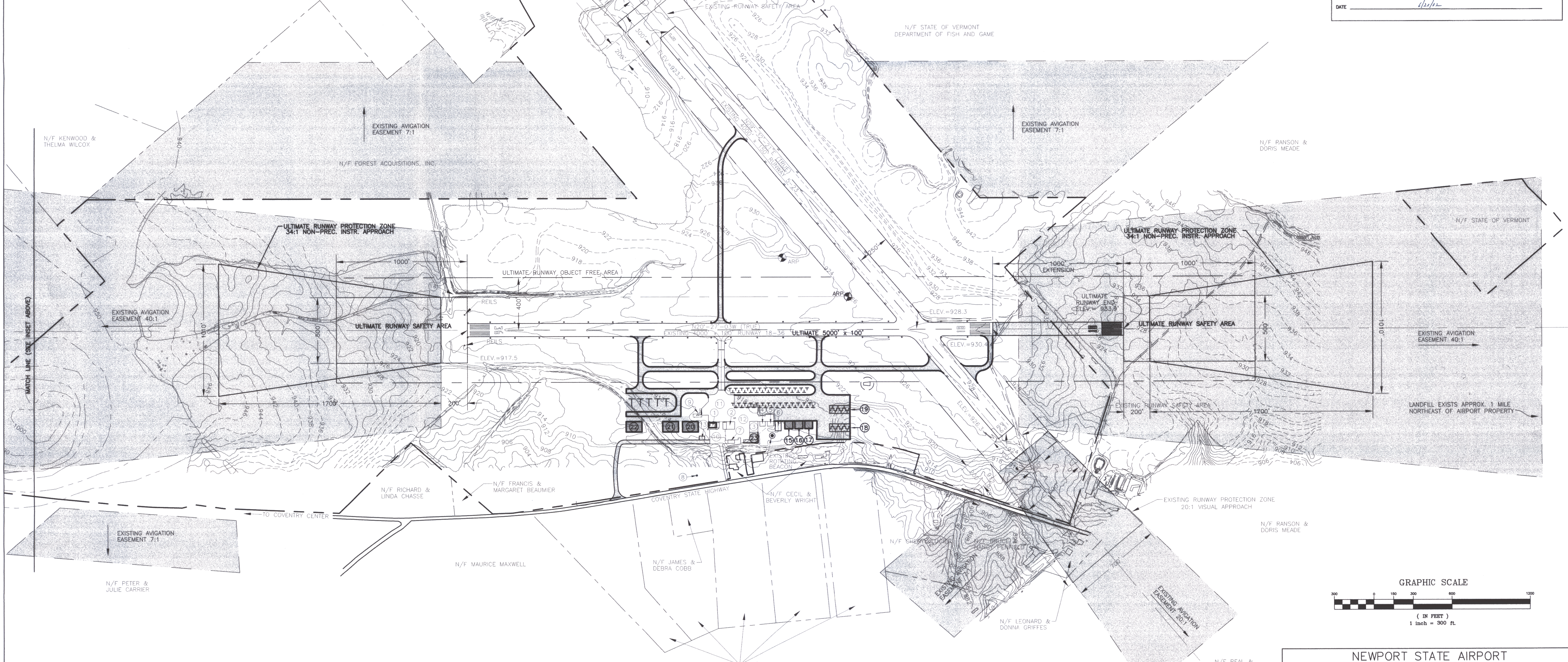
15 MPH X-WIND COMPONENT:
R/W 18-36 = 98.0%
R/W 5-23 = 98.8%
COMBINED = 99.1%

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: 11/2/91



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	30KSI (R/4000) (0.07)	30KSI (R/4000) (0.07)	30KSI (R/4350) (0.34)(0.1)	30KSI (R/4350) (0.34)(0.1)
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)	932.4'	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	
---	---	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