RHODE ISLAND AIRPORT CORPORATION

NEWPORT STATE AIRPORT

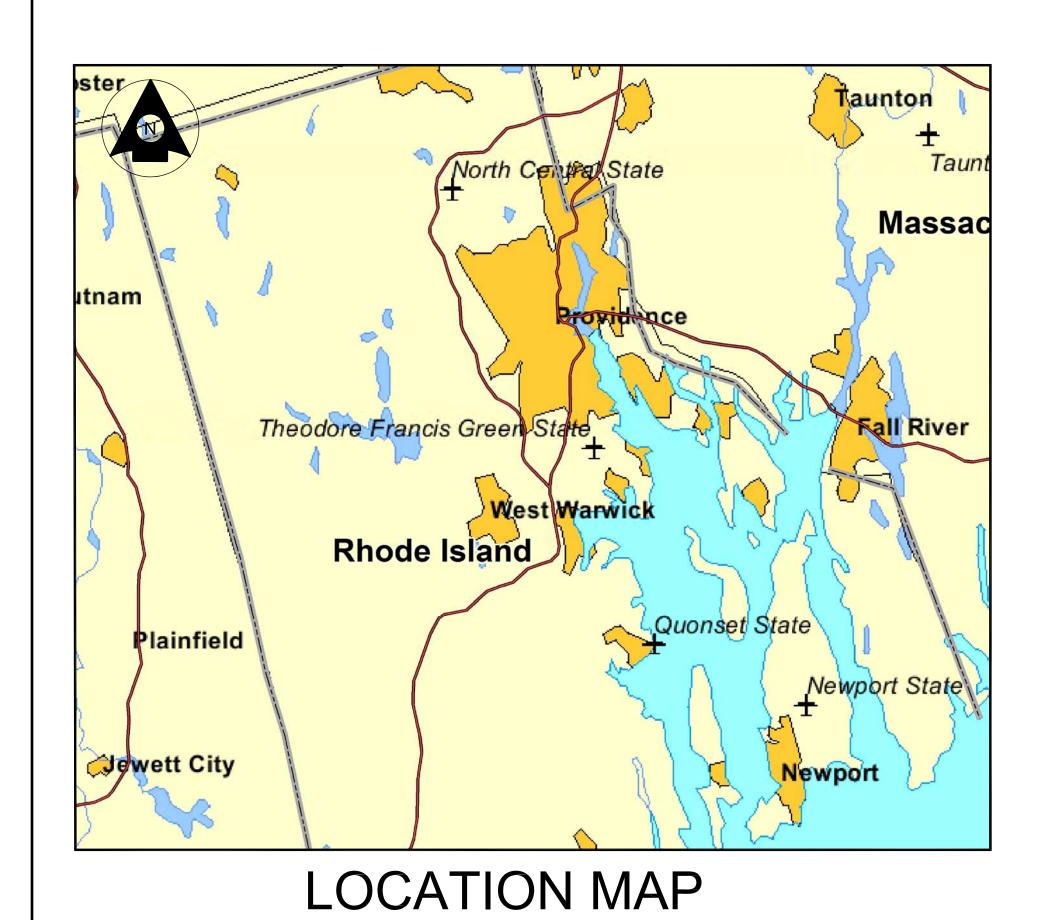
(COLONEL ROBERT F. WOOD AIRPARK)

MIDDLETOWN, RHODE ISLAND

AIRPORT LAYOUT PLAN

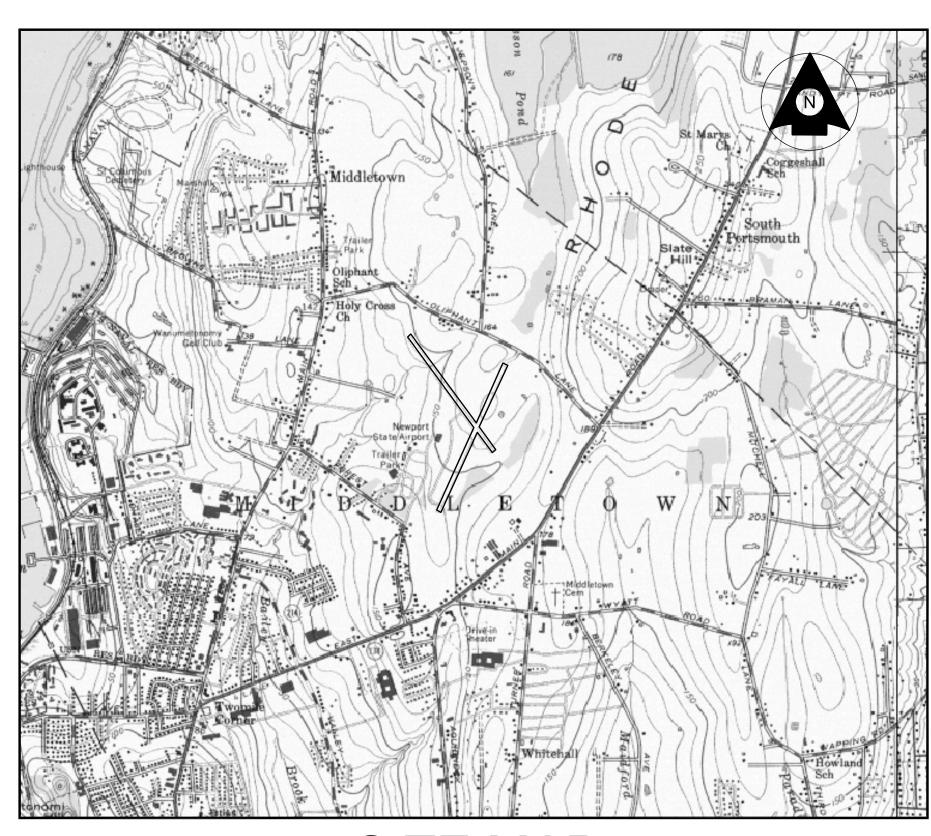
AIP NO. 3-44-0002-14-2006 RIAC CONTRACT NO. 18464 - TASK ORDER NO. 5

DECEMBER 2007



INDEX OF DRAWINGS

NUMBERDESCRIPTION01TITLE SHEET02EXISTING AIRPORT FACILITIES03AIRPORT LAYOUT PLAN04FAR PART 77 SURFACES PLAN05TERMINAL AREA PLAN06AIRPORT ZONING PLAN



SITE MAP

Prepared by:

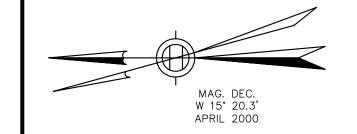


THE Louis Berger Group, INC. 20 CORPORATE WOODS BLVD. ALBANY, NY 12211 VOICE: 518-432-9545 FAX: 518-432-9571 Prepared for:



RHODE ISLAND AIRPORT CORPORATION

2000 Post Road Warwick, RI 02886



AIRPORT DATA	
	EXISTING
AIRPORT ELEVATION	171.8' (MSL)
AIDDODT DEE DOINT (ADD)	N 41°-31'-56.79"
AIRPORT REF. POINT (ARP)	W 71°-16'-53.56"
MEAN DAILY MAX. TEMP.	79°
AIRPORT AREA (ACRES)	221
AIRPORT NAVAIDS	GPS/LOC
AIRPORT COMMUNICATIONS	UNICOM (122.8)
AIRPORT WEATHER REPORTING	ASOS @ UUU (132.075)
TAXIWAY WIDTH (MIN/MAX)	40'
TAXIWAY LIGHTING	MITLS
OPERATIONAL ROLE	GENERAL AVIATION
FAA ROLE (NPIAS)	GENERAL UTILITY

		EXISTING AIRPORT FACILITIES	
	NO.		ELEV. (MS
	1	TERMINAL / FBO HANGAR	177.0'
	2	BEACON (ON THE POLE)	157.4
	3	ELECTRIC VAULT	172.0'
	4	SNOW REMOVAL EQUIPMENT BUILDING	NA
	<u>(9</u>)	TEMPORARY HANGAR	NA
	6	MMR ASSOCIATES (LEASED)	NA
	(NATIONAL GUARD BUILDING	171.3'
	8	ANIMAL SHELTER	151.4'
	6	ASOS	177.7
	10	LOCALIZER SHELTER	NA
	(1)	FUEL FARM	NA
	12	LOCALIZER	NA
٠			•

EVICTING AIDDODT FACILITIES

GRAPHIC SCALE (IN FEET) 1 inch = 300 ft.

AND HAVE NOT BEEN SURVEYED.

NOTES: 1. AERIAL PHOTOGRAMMETRIC BASE FROM DUFRESNE-HENRY (1996)

- 2. AIRPORT PROPERTY LINE DIGITIZED FROM EXHIBIT-A BY RIAC (2001).
- 3. FENCE LINE FIELD VERIFIED WHEREABLE, LOCATION ON MAP MAY NOT BE EXACT. 4. TEMPORARY HANGAR, SNOW REMOVAL EQUIPMENT BUILDING AND FUELING WERE ADDED BASED ON OCTOBER 2003 AERIAL PHOTO, LOCATIONS ARE APPROXIMATE

RUNWAY 4-22 RUNWAY 16-34 **EXISTING EXISTING** B-II B-II % WIND COVERAGE (IFR) 94.7% 95.4% 2999' 2623' RUNWAY LENGTH 75' 75' WIDTH (FULL STRENGTH) ASPHALT ASPHALT SURFACE N 23°-49'-12" E (TRUE) N 36°-27'-36" W (TRUE) MAGNETIC HEADING 0.6 EFFECTIVE GRADIENT (%) DISPLACED THRESHOLD 13 13 PAVEMENT STRENGTH NPI (16) RUNWAY MARKING NPI (22) BSC (34) VOR/DME/GPS (16) NAVIGATIONAL AIDS LOC (22) VASI-L (4) VASI-L (16) VISUAL AIDS REIL, AVASI-L (22) M.I.R.L. M.I.R.L. RUNWAY LIGHTING VISUAL (4) NON-PRECISION >3/4 mi (22) NON-PRECISION >3/4 mi (16) PART 77 CATEGORY VISUAL (34) 15:1 (4)—Trees 20:1 (16)—Trees APPROACH SURFACES 18:1 (34)—Trees 21:1 (22)-Trees 150' WIDTH (W) 22 ----DIMENSIONS LENGTH (L) 300' 300' BEYOND RW END 500' 500' WIDTH (W) DIMENSIONS LENGTH (L) 300' 300' BEYOND RW END 500' 700' 1000' 500' 700' 1000' INNER (W1) DIMENSIONS OUTER (W2) LENGTH (L) DIST (D)

200'

200'

BEYOND RW END

RUNWAY DATA

EL. 162.2 MSL N41°31'51" LAT W71°16'46" LONG-

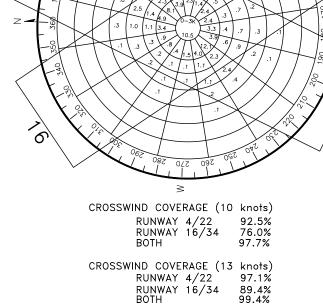
CROSSWIND COVERAGE (10 knots) CROSSWIND COVERAGE (13 knots)
RUNWAY 4/22 95.4%
RUNWAY 16/34 94.6%
BOTH 99.7% CALM-6.9% 1-3 KNOTS 4.8%

VFR WIND COVERAGE

(15 MPH ALLOWABLE CROSS WIND)

IFR WIND COVERAGE

(15 MPH ALLOWABLE CROSS WIND)



WIND ROSES

CALM-6.9% 1-3 KNOTS 4.0%

LOCATION: NEW BEDFORD SOURCE: NATIONAL CLIMATIC DATA CENTER PERIOD: JANUARY 1962 — DECEMBER 1971

FEATURE	EXISTING
AIRPORT PROPERTY LINE	
RUNWAY VISIBILITY ZONE (RVZ)	RVZ
RUNWAY PROTECTION ZONE (RPZ)	RPZ
RUNWAY OBJECT FREE AREA (ROFA)	ROFA -
RUNWAY SAFETY AREA (RSA)	RSA -
RUNWAY OBJECT FREE ZONE (ROFZ)	ROFZ
TOWN BOUNDARY	
PAVED ROADS, RUNWAYS, ETC.	
UNPAVED ROADS	$=$ $=$ $=$ \forall
ON-AIRPORT BUILDINGS	
MEDIUM INTENSITY LIGHTS	
LOCALIZER	
VASI (VISUAL AID)	
FENCING	
CONTOURS	448
TREE LINE (APPROXIMATE)	Franciscon March Lange
FLAGGED WETLAND LIMIT (N.R.S.)	

LEGEND



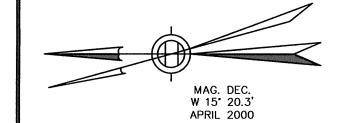
(COLONEL ROBERT F. WOOD AIRPARK)
MIDDLETOWN, RHODE ISLAND

EXISTIN	IG AIRPOR	T FACILITIE	S PLAN
DESIGNED NS	DRAWN NS	CHECKED MC	APPROVED SB
THE LOU	is Berger Group, мс.	PROJECT_NO.	



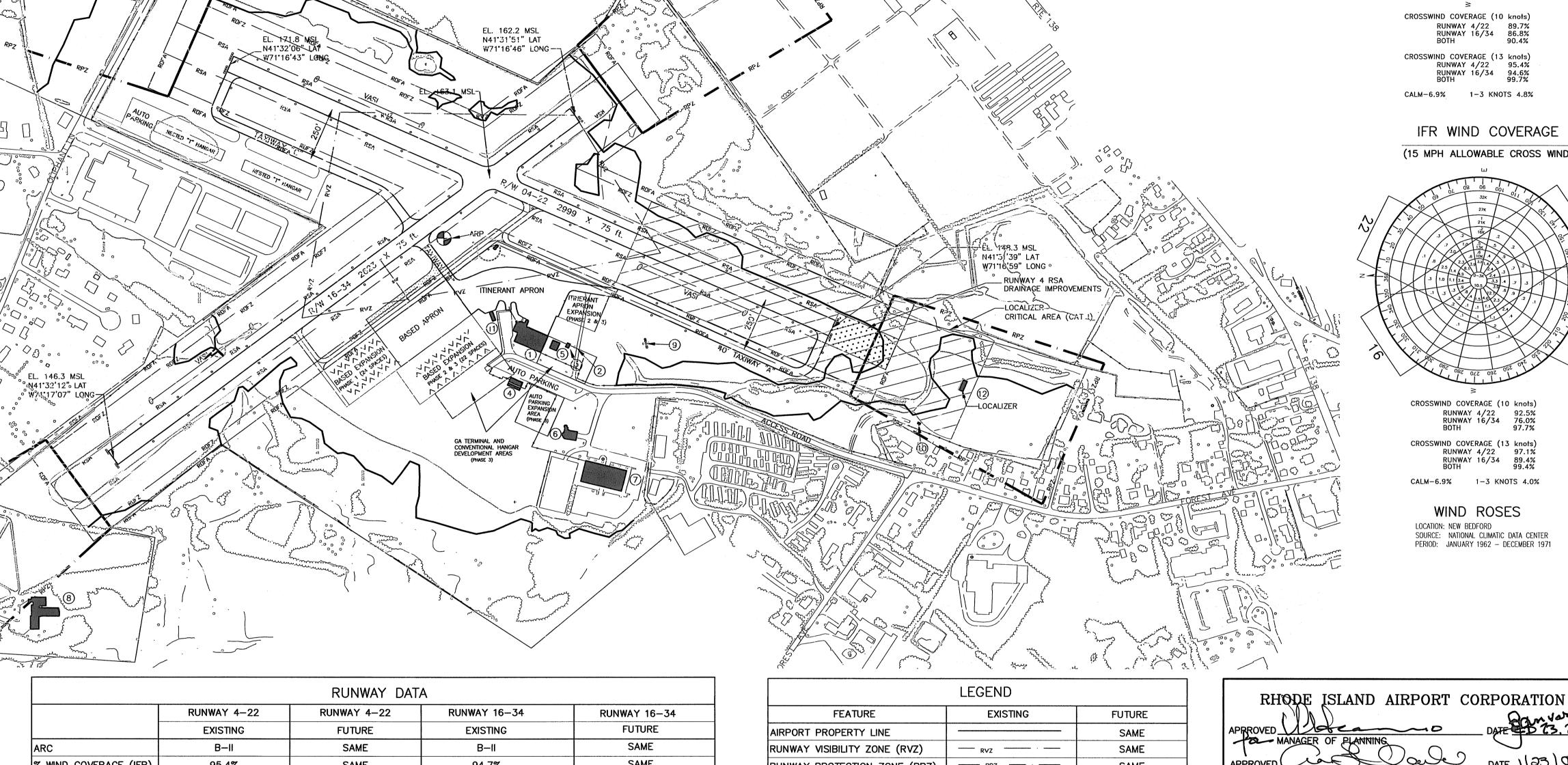
20 CORPORATE WOODS BLVD. ALBANY, NY 12211 VOICE: 518-432-9545 FAX: 518-432-9571

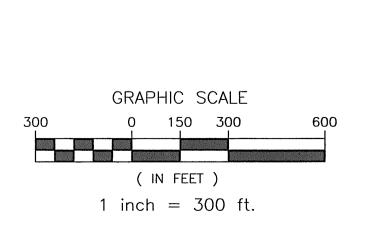
AIP No: 3-44-0002-14-2006 12/07



AIRPORT DATA	
	EXISTING/FUTURE
AIRPORT ELEVATION	171.8' (MSL)
AIRPORT REF. POINT (ARP)	N 41*-31'-56.79"
	W 71°-16'-53.56"
MEAN DAILY MAX. TEMP.	79°
AIRPORT AREA (ACRES)	221
AIRPORT NAVAIDS	GPS/LOC
AIRPORT COMMUNICATIONS	UNICOM (122.8)
AIRPORT WEATHER REPORTING	AWOS-3 @ UUU (132.075)
TAXIWAY WIDTH (MIN/MAX)	40'/35'
TAXIWAY LIGHTING	MITLS
OPERATIONAL ROLE	GENERAL AVIATION
FAA ROLE (NPIAS)	GENERAL UTILITY

		EXISTING AIRPORT FACILITIES	
	NO.		ELEV. (MSL)
	①	TERMINAL / FBO HANGAR	177.0'
	2	BEACON (ON THE POLE)	157.4'
	3	ELECTRIC VAULT	172.0'
	4	SNOW REMOVAL EQUIPMENT BUILDING	NA
	(5)	TEMPORARY HANGAR	NA
	6	MMR ASSOCIATES (LEASED)	NA
	7	NATIONAL GUARD BUILDING	171.3'
	8	ANIMAL SHELTER	151.4'
	9	ASOS	177.7'
	(10)	LOCALIZER SHELTER	NA
	(1)	FUEL FARM	NA
	12	LOCALIZER	NA
15			





NOTES: 1. AERIAL PHOTOGRAMMETRIC BASE FROM DUFRESNE-HENRY (1996)

- 2. AIRPORT PROPERTY LINE DIGITIZED FROM EXHIBIT-A BY RIAC (2001). 3. FENCE LINE FIELD VERIFIED WHEREABLE, LOCATION ON MAP MAY NOT BE EXACT.
- 4. TEMPORARY HANGAR, SNOW REMOVAL EQUIPMENT BUILDING AND FUELING WERE ADDED BASED ON OCTOBER 2003 AERIAL PHOTO, LOCATIONS ARE APPROXIMATE AND HAVE NOT BEEN SURVEYED.

	RUNWAY 4-22	RUNWAY 4-22	RUNWAY 16-34	RUNWAY 16-34	FEAT
	EXISTING	FUTURE	EXISTING	FUTURE	AIRPORT PROPER
ARC	B-II	SAME	B-II	SAME	RUNWAY VISIBILIT
% WIND COVERAGE (IFR)	95.4%	SAME	94.7%	SAME	RUNWAY PROTECT
RUNWAY LENGTH	2999'	SAME	2623'	SAME	RUNWAY OBJECT F
WIDTH (FULL STRENGTH)	75'	SAME	75'	SAME	RUNWAY SAFETY A
SURFACE	ASPHALT	SAME	ASPHALT	SAME	RUNWAY OBJECT F
MAGNETIC HEADING	N 23*-49'-12" E (TRUE)	SAME	N 36°-27'-36" W (TRUE)	SAME	INNER APPROACH OBJE
EFFECTIVE GRADIENT (%)	0.8	SAME	0.6	SAME	TOWN BOUNDARY
DISPLACED THRESHOLD	_	_	-	_	PAVED ROADS, RU
PAVEMENT S	13	SAME	13	SAME	UNPAVED ROADS
STRENGTH D DT			_		ON-AIRPORT BUILD
RUNWAY MARKING	BSC (4)	SAME	NPI (16)	SAME	MEDIUM INTENSITY
RONWAT MARKING	NPI (22)	SAME	BSC (34)	SAME	LOCALIZER
NAVIGATIONAL AIDS	LOC (22)	SAME	VOR/DME/GPS (16)	SAME	VASI (VISUAL AID)
VISUAL AIDS	VASI-L (4)	SAME	VASI-L (16)	SAME	FENCING
	REIL, AVASI-L (22)				CONTOURS
RUNWAY LIGHTING	M.I.R.L.	SAME	M.I.R.L.	SAME	TREE LINE (APPRO
PART 77 CATEGORY	VISUAL (4) NON-PRECISION >3/4 mi (22)	SAME SAME	NON-PRECISION >3/4 mi (16) VISUAL (34)	SAME SAME	FLAGGED WETLAND
APPROACH SURFACES	15:1 (4)-Trees	20:1	20:1 (16)-Trees	SAME	AIRFIELD PAVEMEN
	21:1 (22)—Trees	SAME	18:1 (34)—Trees	20:1	AIRFIELD PAVEMEN
RSA WIDTH (W DIMENSIONS LENGTH (L) 150'	SAME	150'	SAME	
BEYOND RW EN		SAME	300'	SAME	RSA
ROFA WIDTH (W	500'	SAME	500'	SAME	
DIMENSIONS LENGTH (L BEYOND RW EN	300'	SAME	300'	SAME	ROFA W
RPZ INNER (W1 DIMENSIONS OUTER (W2 LENGTH (L) 700') 1000'	SAME SAME SAME	500' 700' 1000'	SAME SAME SAME	W1

DIST (D) BEYOND RW END

	LEGEND	
FEATURE	EXISTING	FUTURE
AIRPORT PROPERTY LINE		SAME
RUNWAY VISIBILITY ZONE (RVZ)	RVZ	SAME
RUNWAY PROTECTION ZONE (RPZ)	RPZ	SAME
RUNWAY OBJECT FREE AREA (ROFA)	RDFA	SAME
RUNWAY SAFETY AREA (RSA)	RSA	SAME
RUNWAY OBJECT FREE ZONE (ROFZ)	ROFZ	SAME
INNER APPROACH OBJECT FREE ZONE (IAOFZ)	IAOFZ	SAME
TOWN BOUNDARY	MANAGEMENT	SAME
PAVED ROADS, RUNWAYS, ETC.		SAME
UNPAVED ROADS		SAME
ON-AIRPORT BUILDINGS		
MEDIUM INTENSITY RUNWAY LIGHTS	(IIII)	SAME
LOCALIZER		SAME
VASI (VISUAL AID)		SAME
FENCING	——×	SAME
CONTOURS	and the second s	SAME
TREE LINE (APPROXIMATE)	7	SAME
FLAGGED WETLAND LIMIT (N.R.S.)		SAME
AIRFIELD PAVEMENT		
AIRFIELD PAVEMENT TO BE REMOVED	N/A	

NON-CONFORMING FAA STANDARDS

Runway Visibility Zone (RVZ): Phase I Based Apron Expansion will Correct Non—Conforming RVZ.

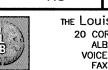
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION NEW ENCLAND REGION AIRPORTS DIVISION 1/4-16-08 seeletter dated 4-16-08



Rhode Island Airport Corporation NEWPORT STATE AIRPORT (COLONEL ROBERT F. WOOD AIRPARK)
MIDDLETOWN, RHODE ISLAND

SHEET TITLE

AIRPORT LAYOUT PLAN



THE Louis Berger Group, INC.
20 CORPORATE WOODS BLVD.
ALBANY, NY 12211
VOICE: 518-432-9545
FAX: 518-432-9571

PROJECT NO. AIP No: 3-44-0002-14-2006 12/07

VFR WIND COVERAGE

(15 MPH ALLOWABLE CROSS WIND)

CROSSWIND COVERAGE (10 knots)

RUNWAY 4/22 89.7%

RUNWAY 16/34 86.8%

BOTH 90.4%

CROSSWIND COVERAGE (13 knots) RUNWAY 4/22 95.4% RUNWAY 16/34 94.6% BOTH 99.7%

CALM-6.9% 1-3 KNOTS 4.8%

IFR WIND COVERAGE

(15 MPH ALLOWABLE CROSS WIND)

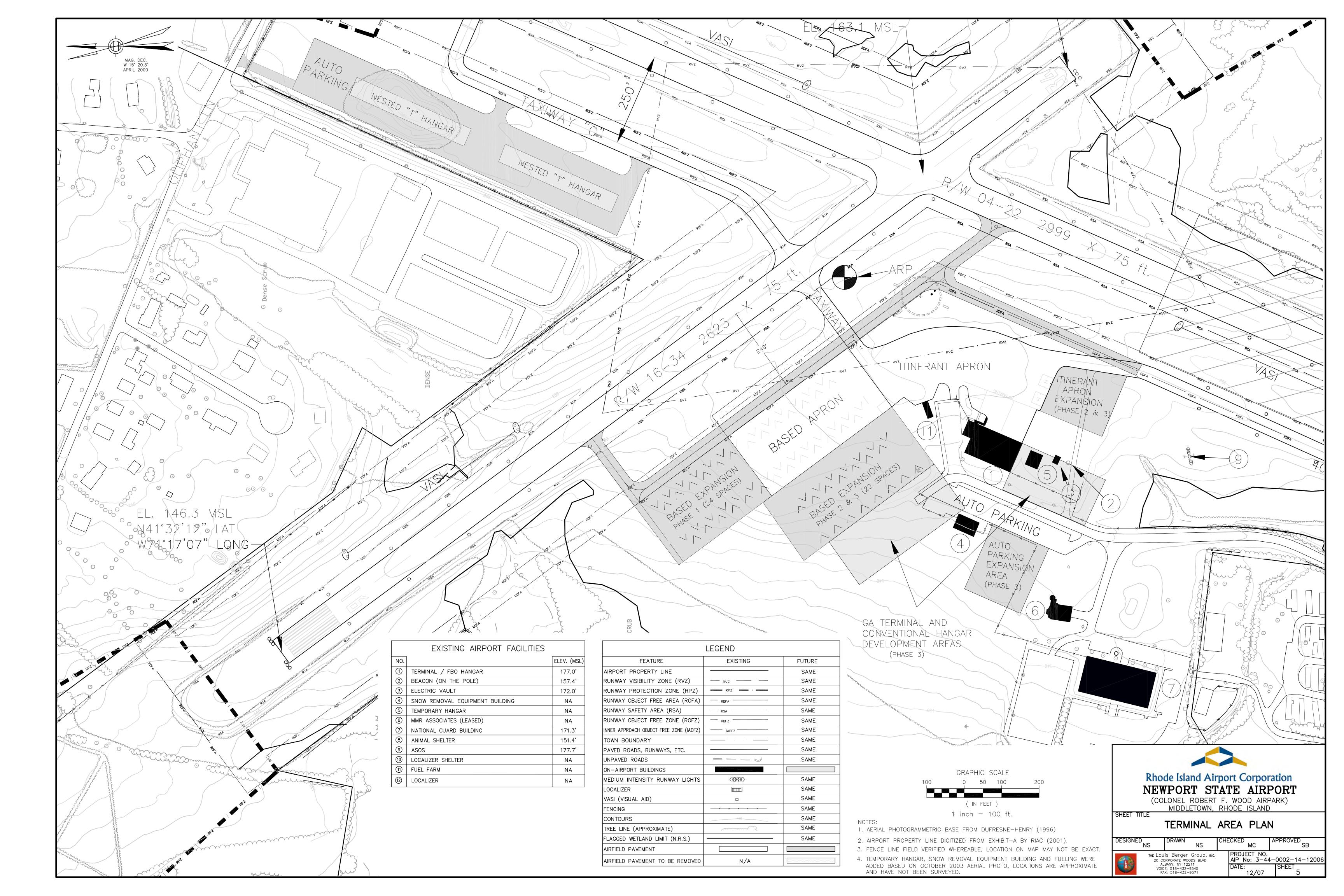
CROSSWIND COVERAGE (10 knots)

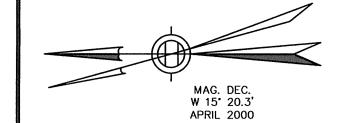
CROSSWIND COVERAGE (13 knots)
RUNWAY 4/22 97.1%
RUNWAY 16/34 89.4%
BOTH 99.4%

CALM-6.9% 1-3 KNOTS 4.0%

WIND ROSES

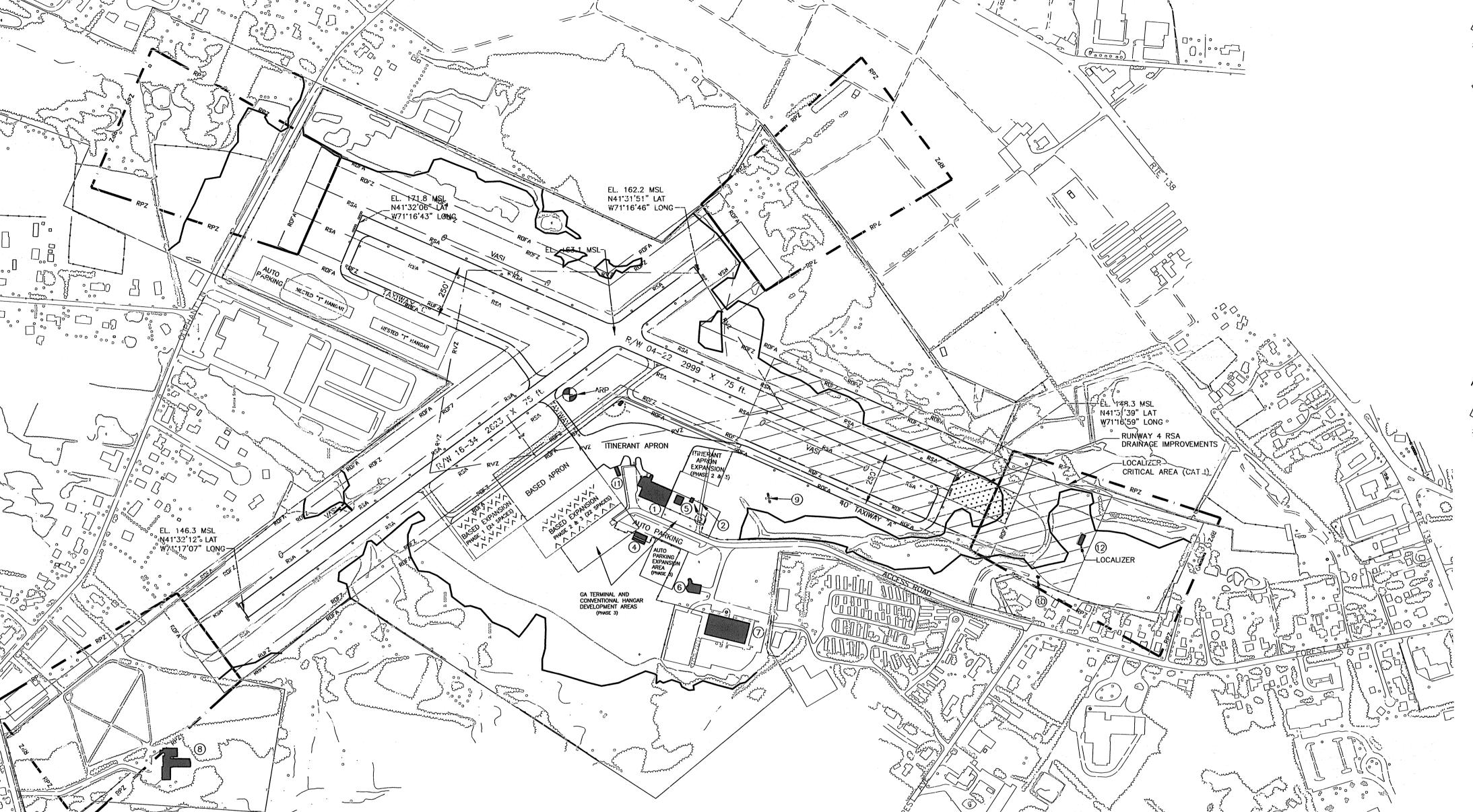
LOCATION: NEW BEDFORD SOURCE: NATIONAL CLIMATIC DATA CENTER PERIOD: JANUARY 1962 — DECEMBER 1971





AIRPORT DATA	
	EXISTING/FUTURE
AIRPORT ELEVATION	171.8' (MSL)
AIRPORT REF. POINT (ARP)	N 41°-31'-56.79"
	W 71°-16'-53.56"
MEAN DAILY MAX. TEMP.	79 °
AIRPORT AREA (ACRES)	221
AIRPORT NAVAIDS	GPS/LOC
AIRPORT COMMUNICATIONS	UNICOM (122.8)
AIRPORT WEATHER REPORTING	AWOS-3 @ UUU (132.075)
TAXIWAY WIDTH (MIN/MAX)	40'/35'
TAXIWAY LIGHTING	MITLS
OPERATIONAL ROLE	GENERAL AVIATION
FAA ROLE (NPIAS)	GENERAL UTILITY

	EXISTING AIRPORT FACILITIES	
NO.		ELEV. (MS
①	TERMINAL / FBO HANGAR	177.0'
@	BEACON (ON THE POLE)	157.4'
3	ELECTRIC VAULT	172.0'
4	SNOW REMOVAL EQUIPMENT BUILDING	NA
(5)	TEMPORARY HANGAR	NA
6	MMR ASSOCIATES (LEASED)	NA
7	NATIONAL GUARD BUILDING	171.3'
8	ANIMAL SHELTER	151.4'
9	ASOS	177.7'
9	LOCALIZER SHELTER	NA
(1)	FUEL FARM	NA
12	LOCALIZER	NA
		······································



RUNWAY 16-34 **FUTURE**

SAME

SAME SAME

SAME

20:1

SAME

SAME

SAME

SAME

SAME SAME SAME

22 -- |

ROFA

		RUNWAY
	RUNWAY 4-22	RUNWAY 4-22
	EXISTING	FUTURE
ARC	B-II	SAME
% WIND COVERAGE (IFR)	95.4%	SAME
RUNWAY LENGTH	2999'	SAME
WIDTH (FULL STRENGTH)	75'	SAME
SURFACE	ASPHALT	SAME
MAGNETIC HEADING	N 23*-49'-12" E (TRUE)	SAME
EFFECTIVE GRADIENT (%)	0.8	SAME
DISPLACED THRESHOLD	_	_
PAVEMENT S STRENGTH D DT	13 - -	SAME
RUNWAY MARKING	BSC (4) NPI (22)	SAME SAME
NAVIGATIONAL AIDS	LOC (22)	SAME
VISUAL AIDS	VASI–L (4) REIL, AVASI–L (22)	SAME
RUNWAY LIGHTING	M.I.R.L.	SAME
PART 77 CATEGORY	VISUAL (4) NON-PRECISION >3/4 mi (22)	SAME SAME
APPROACH SURFACES	15:1 (4)—Trees 21:1 (22)—Trees	20:1 SAME

500'

300'

500' 700' 1000'

200'

RSA WIDTH (W) DIMENSIONS LENGTH (L)

ROFA WIDTH (W) DIMENSIONS LENGTH (L)

RPZ INNER (W1)
DIMENSIONS OUTER (W2)
LENGTH (L)

BEYOND RW END

BEYOND RW END

DIST (D) BEYOND RW END

DATA

RUNWAY 16-34

EXISTING

B-II

94.7%

2623'

75'

ASPHALT

N 36°-27'-36" W (TRUE)

0.6

NPI (16)

BSC (34)

VOR/DME/GPS (16)

VASI-L (16)

M.I.R.L.

NON-PRECISION >3/4 mi (16) VISUAL (34)

20:1 (16)—Trees

18:1 (34)-Trees

150'

300'

500'

300'

500' 700' 1000'

200'

SAME

SAME

SAME

SAME

SAME

SAME

SAME

SAME

	LEGEND	
FEATURE	EXISTING	FUTURE
AIRPORT PROPERTY LINE		SAME
RUNWAY VISIBILITY ZONE (RVZ)	RVZ	SAME
RUNWAY PROTECTION ZONE (RPZ)	RPZ —	SAME
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	SAME
RUNWAY SAFETY AREA (RSA)	RSA	SAME
RUNWAY OBJECT FREE ZONE (ROFZ)	ROFZ	SAME
INNER APPROACH OBJECT FREE ZONE (IAOFZ)	IAOFZ	SAME
TOWN BOUNDARY	MANUFACTURE	SAME
PAVED ROADS, RUNWAYS, ETC.	***************************************	SAME
UNPAVED ROADS	=== = >	SAME
ON-AIRPORT BUILDINGS		
MEDIUM INTENSITY RUNWAY LIGHTS	(IIII)	SAME
LOCALIZER		SAME
VASI (VISUAL AID)		SAME
FENCING	X	SAME
CONTOURS	gradient de la company de	SAME
TREE LINE (APPROXIMATE)	/	SAME
FLAGGED WETLAND LIMIT (N.R.S.)		SAME
AIRFIELD PAVEMENT		
AIRFIELD PAVEMENT TO BE REMOVED	N/A	

NON-CONFORMING FAA STANDARDS Runway Visibility Zone (RVZ): Phase I Based Apron Expansion will Correct Non-Conforming RVZ.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION NEW ENCLAND REGION AIRPORTS DIVISION 1/4-16-08 seeletter dated 4-16-08

RHODE ISLAND AIRPORT CORPORATION

VFR WIND COVERAGE

(15 MPH ALLOWABLE CROSS WIND)

CROSSWIND COVERAGE (10 knots)

RUNWAY 4/22 89.7%

RUNWAY 16/34 86.8%

BOTH 90.4%

CROSSWIND COVERAGE (13 knots) RUNWAY 4/22 95.4% RUNWAY 16/34 94.6% BOTH 99.7%

CALM-6.9% 1-3 KNOTS 4.8%

IFR WIND COVERAGE

(15 MPH ALLOWABLE CROSS WIND)

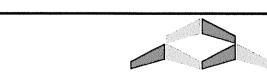
CROSSWIND COVERAGE (10 knots)

CROSSWIND COVERAGE (13 knots) RUNWAY 4/22 97.1% RUNWAY 16/34 89.4% BOTH 99.4%

CALM-6.9% 1-3 KNOTS 4.0%

WIND ROSES

LOCATION: NEW BEDFORD SOURCE: NATIONAL CLIMATIC DATA CENTER PERIOD: JANUARY 1962 — DECEMBER 1971

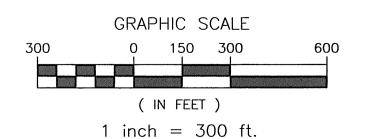


Rhode Island Airport Corporation NEWPORT STATE AIRPORT

(COLONEL ROBERT F. WOOD AIRPARK)
MIDDLETOWN, RHODE ISLAND SHEET TITLE

AIRPORT LAYOUT PLAN

PROJECT NO. AIP No: 3-44-0002-14-2006 THE Louis Berger Group, INC.
20 CORPORATE WOODS BLVD.
ALBANY, NY 12211
VOICE: 518-432-9545
FAX: 518-432-9571 12/07



- NOTES: 1. AERIAL PHOTOGRAMMETRIC BASE FROM DUFRESNE-HENRY (1996)
 - 2. AIRPORT PROPERTY LINE DIGITIZED FROM EXHIBIT-A BY RIAC (2001).
 - AND HAVE NOT BEEN SURVEYED.

3.	FENCE	LINE	FIELD	VERIFIED	WHERE	ABLE,	LOCATION	1 ON	MAP	MAY	NOT	ΒE	EXACT
4.	TEMPO	RARY	HANGA	R, SNOW	REMOV	AL EQU	JIPMENT	BUILD	DING	AND I	FUELI	NG	WERE
	ADDED	BASE	D ON	OCTOBER	2003	AERIAL	PHOTO.	LOCA	TIONS	S ARE	APF	PROX	KIMATE

