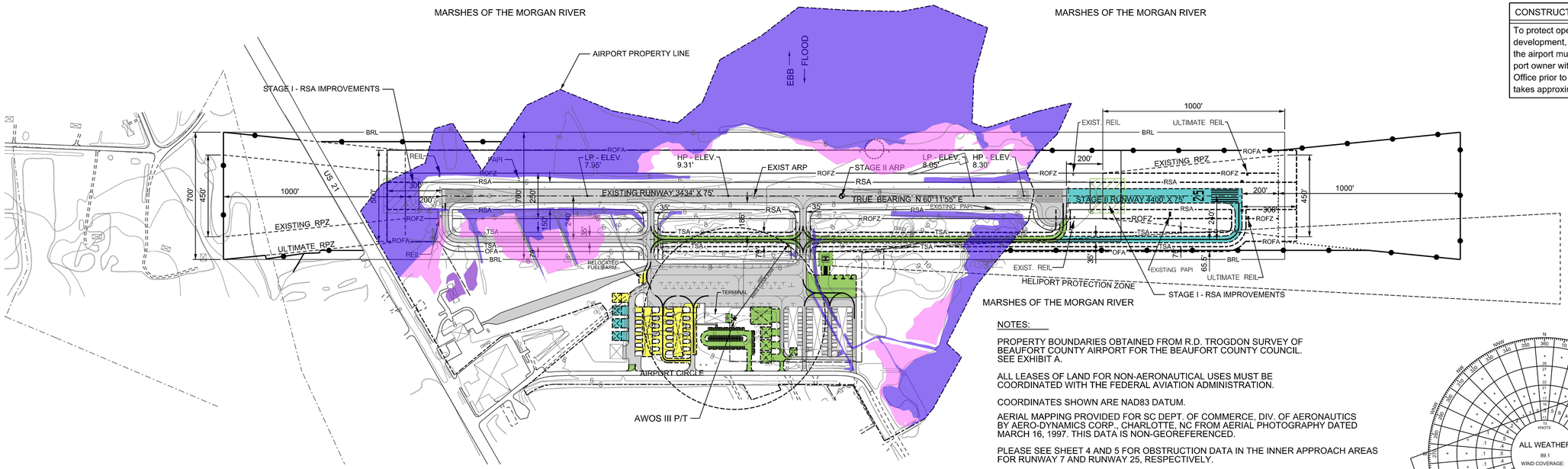


CONSTRUCTION NOTICE REQUIREMENT
To protect operational safety and future development, all proposed construction on the airport must be coordinated by the airport owner with the FAA Airports District Office prior to construction. FAA's review takes approximately 60 days.

NOTES:

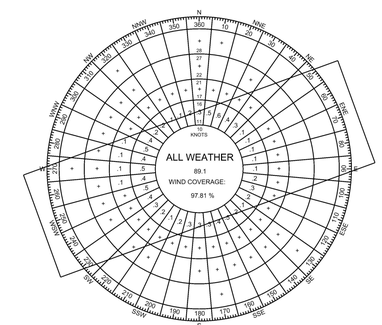
PROPERTY BOUNDARIES OBTAINED FROM R.D. TROGDON SURVEY OF BEAUFORT COUNTY AIRPORT FOR THE BEAUFORT COUNTY COUNCIL. SEE EXHIBIT A.

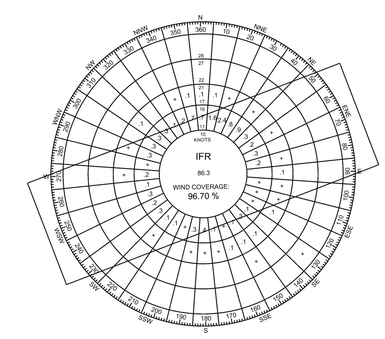
ALL LEASES OF LAND FOR NON-AERONAUTICAL USES MUST BE COORDINATED WITH THE FEDERAL AVIATION ADMINISTRATION.

COORDINATES SHOWN ARE NAD83 DATUM.

AERIAL MAPPING PROVIDED FOR SC DEPT. OF COMMERCE, DIV. OF AERONAUTICS BY AERO-DYNAMICS CORP., CHARLOTTE, NC FROM AERIAL PHOTOGRAPHY DATED MARCH 16, 1997. THIS DATA IS NON-GEOREFERENCED.

PLEASE SEE SHEET 4 AND 5 FOR OBSTRUCTION DATA IN THE INNER APPROACH AREAS FOR RUNWAY 7 AND RUNWAY 25, RESPECTIVELY.





FAA DISCLAIMER
THE CONTENTS OF THIS PLAN DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA. ACCEPTANCE OF THIS DOCUMENT BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES OR THE STATE OF SOUTH CAROLINA TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN, NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS.

Approved By: _____

South Carolina Aeronautics Commission

Date: _____

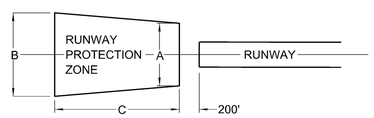
Signature: _____

TAXIWAY DISTANCES	
	DISTANCE
TO RUNWAY CENTERLINE	240'
TO AIRCRAFT PARKING	135'
TO PARALLEL TAXIWAYS	N/A

RUNWAY ELEVATIONS (MSL)				
	EXISTING ELEVATION DATA		ULTIMATE ELEVATION DATA	
RUNWAY END	R/W 07	R/W 25	R/W 07	R/W 25
DISPLACED THRESHOLD	N/A	N/A	N/A	N/A
R/W INTERSECTION	N/A	N/A	N/A	N/A
R/W HIGH AND LOW POINTS	10.1'/8.0'	9.3'/8.0'	10.1'/8.0'	9.3'/8.9'
TOUCHDOWN ZONE ELEV.	10.1'	9.3	10.1'	9.3'

RUNWAY DATA				
	RUNWAY 07-25			
	EXISTING		ULTIMATE	
% EFFECTIVE GRADIENT	0.10%		0.10%	
% WIND COVERAGE - 13 KNOTS (ALL WEATHER)	97.81%		97.81%	
MAXIMUM ELEVATION ABOVE MSL	10'		10'	
RUNWAY LENGTH	3,434'		4,400'	
RUNWAY WIDTH	75'		75'	
RUNWAY SURFACE TYPE	ASPHALT		ASPHALT	
RUNWAY STRENGTH	50,000 LBS DWG		50,000 LBS DWG	
RUNWAY	07	25	07	25
PART 77 APPROACH CATEGORY	A / NON-PRECISION	A / NON-PRECISION	C	C
APPROACH VISIBILITY MINIMUMS	1 MILE	1 MILE	1 MILE	1 MILE
TYPE INSTRUMENT APPROACH	RNAV/LNAV	RNAV/LNAV/LPV	RNAV/LNAV	RNAV/LNAV/LPV
APPROACH SLOPE	20:1	20:1	34:1	34:1
RUNWAY LIGHTING	MIRL	MIRL	MIRL	MIRL
RUNWAY MARKING	NON-PRECISION	NON-PRECISION	NON-PRECISION	NON-PRECISION
NAVAIDS & VISUAL AIDS	REIL/PAPI	REIL/PAPI	REIL/PAPI	REIL/PAPI
RUNWAY SAFETY AREA	3,689'X150'	3,689'X150'	5,000'X150'	5,000'X150'
RUNWAY OBJECT FREE AREA	4,034'X500'	4,034'X500'	5,000'X500'	5,000'X500'
DECLARED DISTANCES	N/A	N/A	N/A	N/A

DEVELOPMENT STAGES			
EXISTING PAVEMENT	STAGE ONE 0-5 YEARS	STAGE TWO 6-10 YEARS	STAGE THREE 11-20 YEARS



WETLANDS LEGEND

- OCRM CRITICAL AREAS
- FRESHWATER WETLAND
- ISOLATED FRESHWATER WETLAND AREAS

LEGEND		
DESCRIPTION	EXISTING	ULTIMATE
GROUND CONTOURS		N/A
AIRPORT PROPERTY LINES		
BUILDINGS (NON-AIRPORT)		SAME
BUILDINGS (AIRPORT)		
RUNWAY PROTECTION ZONE (RPZ)		
RUNWAY END IDENTIFICATION LIGHT (REIL)		
ROTATING BEACON		
TREE LINE		N/A
FENCE LINE		N/A
PAVED ROAD		
AIRPORT REFERENCE POINT (ARP)		
RUNWAY SAFETY AREA AND OBJECT FREE AREA		
FENCE		N/A

RUNWAY PROTECTION ZONE DATA								
RUNWAY END	APPROACH SLOPE		EXISTING RPZ DIMENSIONS			ULTIMATE RPZ DIMENSIONS		
	EXISTING	ULTIMATE	A	B	C	A	B	C
RUNWAY 7	20:1	34:1	250'	450'	1,000'	500'	700'	1,000'
RUNWAY 25	20:1	34:1	250'	450'	1,000'	500'	700'	1,000'

RUNWAY END DATA						
RUNWAY END	EXISTING END DATA			ULTIMATE END DATA		
	ELEVATION	LATITUDE	LONGITUDE	ELEVATION	LATITUDE	LONGITUDE
RUNWAY 7	10.1'	32°24'35.37" N	80°38'21.13" W	10.1'	SAME	SAME
RUNWAY 25	8.3'	32°24'52.15" N	80°37'46.30" W	7.77'	32°24'56.87" N	80°37'36.50"W

AIRPORT DATA		
SPONSOR	BEAUFORT COUNTY	
CITY	CITY OF BEAUFORT	
COUNTY	BEAUFORT	
STATE	SOUTH CAROLINA	
AIRPORT IDENTIFIER	KARW	
GPS AT AIRPORT	RWY 25 / RWY 7	
MEAN MAXIMUM TEMPERATURE	90° F	
FAA NPIAS SERVICE LEVEL	GA	
FAA ASSET CATEGORY	LOCAL	
SOUTH CAROLINA STATE CLASSIFICATION	SC - III	
AIRPORT ELEVATION	9.0'	
	EXISTING	ULTIMATE
AIRPORT REFERENCE POINT (ARP) DATA (NAD 83) LAT.	32°24'43.80" N	32°24'46.12" N
AIRPORT REFERENCE POINT (ARP) DATA (NAD 83) LONG.	80°38'03.68" W	80°37'58.88" W
AIRPORT NAVAIDS	LPV, BEACON, AWOS III P/T	LPV, BEACON, AWOS III P/T
AIRPORT REFERENCE CODE (ARC)	B-II	B-II
CRITICAL AIRCRAFT	C-90	CESSNA CITATION EXCEL

WIND DATA SOURCE:

BEAUFORT MCAS, SC PERIOD: 1998 - 2008
WEATHER BASED ON 72,867 OBSERVATIONS

ALL WEATHER WIND COVERAGE			
CROSSWIND COMPONENT	RUNWAY 07	RUNWAY 25	TOTAL
10.5 KNOTS	58.26%	56.94%	95.37%
13 KNOTS	59.63%	58.01%	97.81%
16 KNOTS	60.66%	58.84%	99.65%
IFR			
10.5 KNOTS	73.20%	28.22%	92.85%
13 KNOTS	76.08%	29.20%	96.70%
16 KNOTS	77.72%	29.98%	99.13%

REVISIONS:

REV. NO.	DATE	DESCRIPTION OF REVISION

0 300 600 900 1200

DESIGNED BY	AG	DATE	01/21/2011
DRAWN BY	AG	DATE	01/21/2011
CHECKED BY	GD	DATE	01/21/2011

APPROVALS:

TITLE DATE

TITLE DATE

TITLE DATE

PLANS PREPARED BY

CDM Smith

PLANS PREPARED FOR

BEAUFORT COUNTY AIRPORT

BEAUFORT COUNTY
LADY'S ISLAND, SC

PROJECT NO. (CLIENT)

PROJECT NO. (WSA) 102590

AIRPORT LAYOUT PLAN

02

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