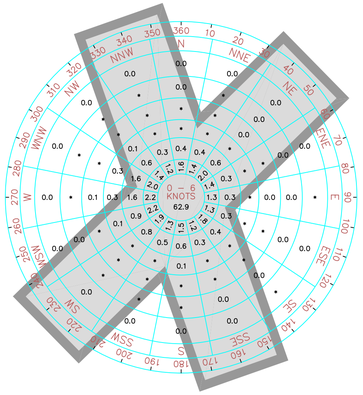
ALL WEATHER WIND ROSE



WIND COVERAGE

RUNWAY 16/34	RUNWAY 4/22
10.5 KNOTS – 94.0%	10.5 KNOTS – 95.6%
13 KNOTS – 96.8%	13 KNOTS – 97.4%

COMBINATION RUNWAY 16/34 & RUNWAY 4/22

10.5 KNOTS – 97.8%

121975 OBSERVATIONS MADE
OVER THE PERIOD 1949 – 1990
STATION 722180 AUGUSTA WSO AP, GA, US

SOURCE: INTERNATIONAL STATION METEOROLOGICAL CLIMATE SUMMARY (ISMCS) PREPARED AT THE FEDERAL CLIMATE COMPLEX ASHEVILLE, NC

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.

RUNWAY DATA

DESCRIPTION	RUNWAY 16/34 EXISTING	RUNWAY 16/34 ULTIMATE	RUNWAY 4/22 EXISTING	RUNWAY 4/22 ULTIMATE
RUNWAY LENGTH	5,119'	5,500'	5,280'	3,900'
RUNWAY WIDTH	100'	100'	70'	75'
RUNWAY PAVEMENT TYPE	ASPHALT	ASPHALT	ASPHALT	ASPHALT
RUNWAY PAVEMENT STRENGTH (THOUSANDS)	S–20 D–60	S–20 D–60	S–12	S–12
RUNWAY END ELEVATION	236.4'/244.8'	236.6'/245.0'	242.2'/240.0'	242.4'/240.8'
EFFECTIVE GRADIENT	0.164%	0.153%	0.042%	0.041%
PAVEMENT CONDITION	POOR	GOOD	FAIR	GOOD
TAXIWAY WIDTH	35'	35'	NONE	35'
REQUIRED APPROACH SLOPE	20:1/20:1	50:1/34:1	34:1/20:1	34:1/20:1
ACTUAL APPROACH SLOPE	27:1/26:1		22:1/35:1	
RUNWAY LIGHTING	MIRL	MIRL	NONE	MIRL
TAXIWAY LIGHTING	NONE	MITL	NONE	MITL
RUNWAY MARKINGS	BASIC	PREC/NONPREC	NONPREC/BASIC	NONPREC/BASIC
NAVIGATIONAL AIDS	BEACON LIGHTED WIND CONE AND SEG. CIRCLE NDB	BEACON LIGHTED WIND CONE AND SEG. CIRCLE AWOS, LOM R/W 16 – PAPI–2, LOCALIZER, GLIDE SLOPE, MALSR, MIDDLE MARKER R/W 34 – PAPI–2	BEACON LIGHTED WIND CONE AND SEG. CIRCLE NDB	BEACON LIGHTED WIND CONE AND SEG. CIRCLE AWOS, LOM
APPROACH VISIBILITY MINIMUMS	VISUAL / VISUAL	1/2 MILE / 3/4 MILE	1 MILE / VISUAL	1 MILE / VISUAL
RSA LENGTH BEYOND R/W END	1,000'/900'	1,000'	1,000'/980'	1,000'
RUNWAY SAFETY AREA WIDTH	500'	500'	500'	500'
OFA LENGTH BEYOND R/W END	1,000'/900'	1,000'	1,000'/980'	1,000'
OBJECT FREE AREA WIDTH	500'	800'	500'	800'
TAKEOFF RUN AVAILABLE (TORA)	5,119'/5,119'	5,500'	5,280'/5,280'	3,900'
TAKEOFF DISTANCE AVAILABLE (TODA)	5,119'/5,119'	5,500'	5,280'/5,280'	3,900'
ACCELERATE–STOP DISTANCE AVAILABLE (ASDA)	5,019'/5,119'	5,500'	5,260'/5,280'	3,900'
LANDING DISTANCE AVAILABLE (LDA)	5,019'/5,119'	5,500'	5,260'/5,280'	3,900'

STAGING

- STAGE 1 (S–1) 0–5 YEARS
- STAGE 2 (S–2) 6–10 YEARS
- STAGE 3 (S–3) 11–20 YEARS

AIRPORT DATA

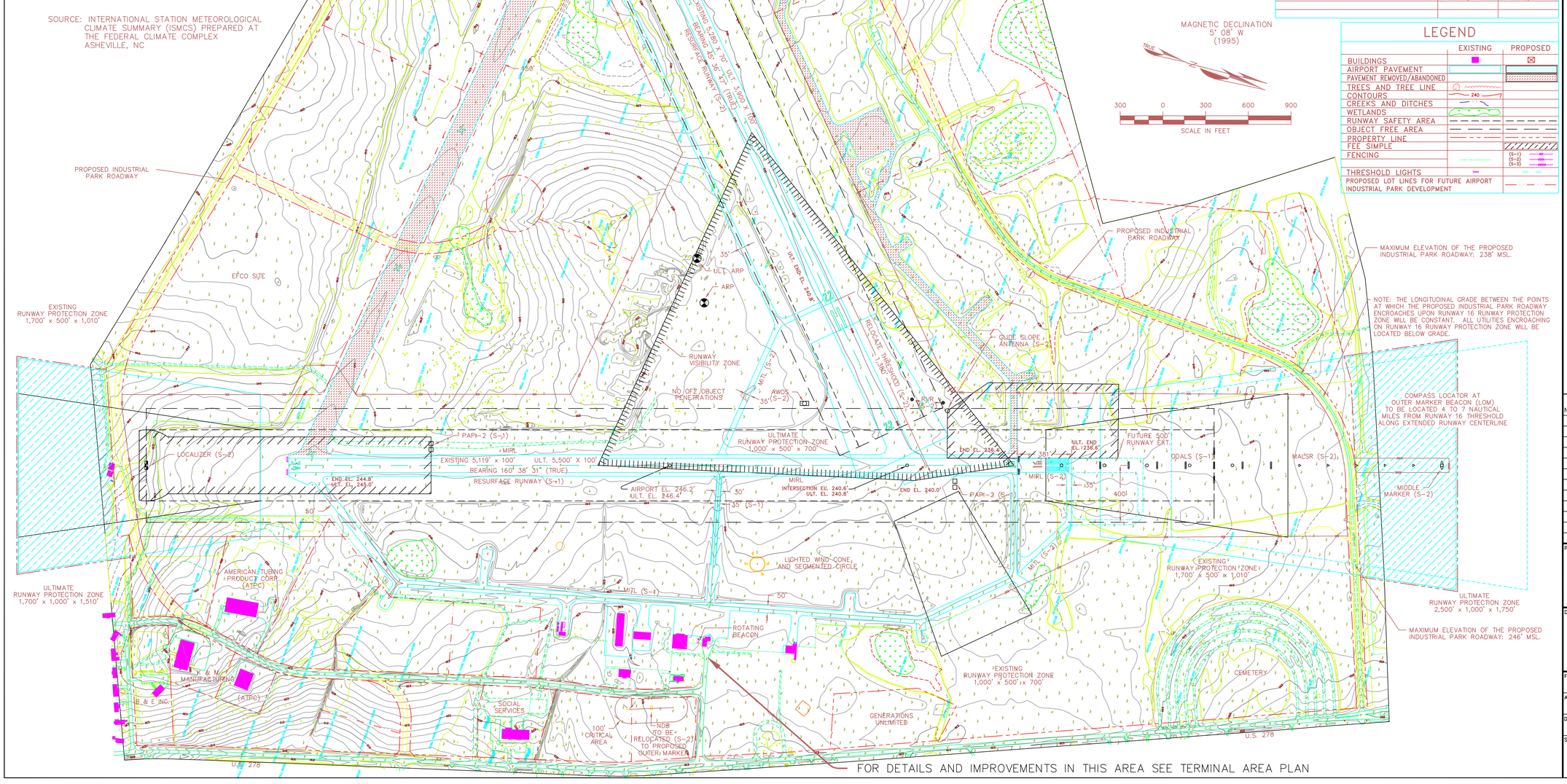
		EXISTING	ULTIMATE
AIRPORT ELEVATION		246.2' MSL	247.7' MSL
AIRPORT REFERENCE POINT	LAT.	33°15'28.10"N	33°15'26.59"N
	LONG.	81°23'18.02"W	81°23'21.07"W
MAX. MEAN TEMP. OF HOTTEST MONTH		91.0° F	SAME
RUNWAY 4	LAT.	33°15'09.32"N	33°15'09.32"N
	LONG.	81°23'54.03"W	81°23'54.03"W
RUNWAY 22	LAT.	33°15'46.01"N	33°15'36.42"N
	LONG.	81°23'09.76"W	81°23'21.33"W
RUNWAY 16	LAT.	33°15'52.40"N	33°15'55.96"N
	LONG.	81°23'13.81"W	81°23'15.31"W
RUNWAY 34	LAT.	33°15'04.69"N	33°15'04.69"N
	LONG.	81°22'53.60"W	81°22'53.60"W
AIRPORT REFERENCE CODE		4/22 16/34	4/22 16/34
		B–II C–II	B–II C–II

MAGNETIC DECLINATION
5° 08' W
(1995)

300 0 300 600 900
SCALE IN FEET

LEGEND

	EXISTING	PROPOSED
BUILDINGS		
AIRPORT PAVEMENT		
PAVEMENT REMOVED/ABANDONED		
TREES AND TREE LINE		
CONTOURS	240	
CREEKS AND DITCHES		
WETLANDS		
RUNWAY SAFETY AREA		
OBJECT FREE AREA		
PROPERTY LINE		
FEE SIMPLE		
FENCING		(S–1) (S–2) (S–3)
THRESHOLD LIGHTS		
PROPOSED LOT LINES FOR FUTURE AIRPORT INDUSTRIAL PARK DEVELOPMENT		



BARNWELL COUNTY AIRPORT
BARNWELL, SOUTH CAROLINA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
ATLANTA, GA•AUSTIN, TX•CHARLESTON, SC•CHICAGO, IL
COLUMBIA, SC•GREENSBORO, NC•KNOXVILLE, TN
MOBILE, AL•MYRTLE BEACH, SC•PHILADELPHIA, PA
RALEIGH, NC•TALLAHASSEE, FL•TAMPA, FL

Designer: TGM
Technician: TGM
Checked by: RKH
Project Number: OP259003

NOTES:

1) NO BOUNDARY SURVEY PERFORMED AT THIS TIME. PROPERTY LINE SHOWN FOR FOR ILLUSTRATION PURPOSES ONLY.

1) NO BOUNDARY SURVEY PERFORMED AT THIS IN NAD83.

3) THE NEXT TIME RUNWAYS 4/22 & 16/34 ARE REMARKED, THERE SHOULD BE A DETERMINATION WHETHER THE DESIGNATION NUMBERS SHOULD BE CHANGED TO 5/23 & 17/35 RESPECTIVELY.

1999

REVISIONS

No.	Description	Date	By

Project Name: AIRPORT LAYOUT PLAN UPDATE

Drawing Name: AIRPORT LAYOUT PLAN

FAA A.I.P. Project Number:

Autocad Drawing Reference: M:\PLANNING\PROJECTS\BARNWELL\DWG\BNL-ALP.DWG

Date: APRIL 9, 1999
Division: PLANNING
Scale: 1" = 300'
Drawing Number: 2