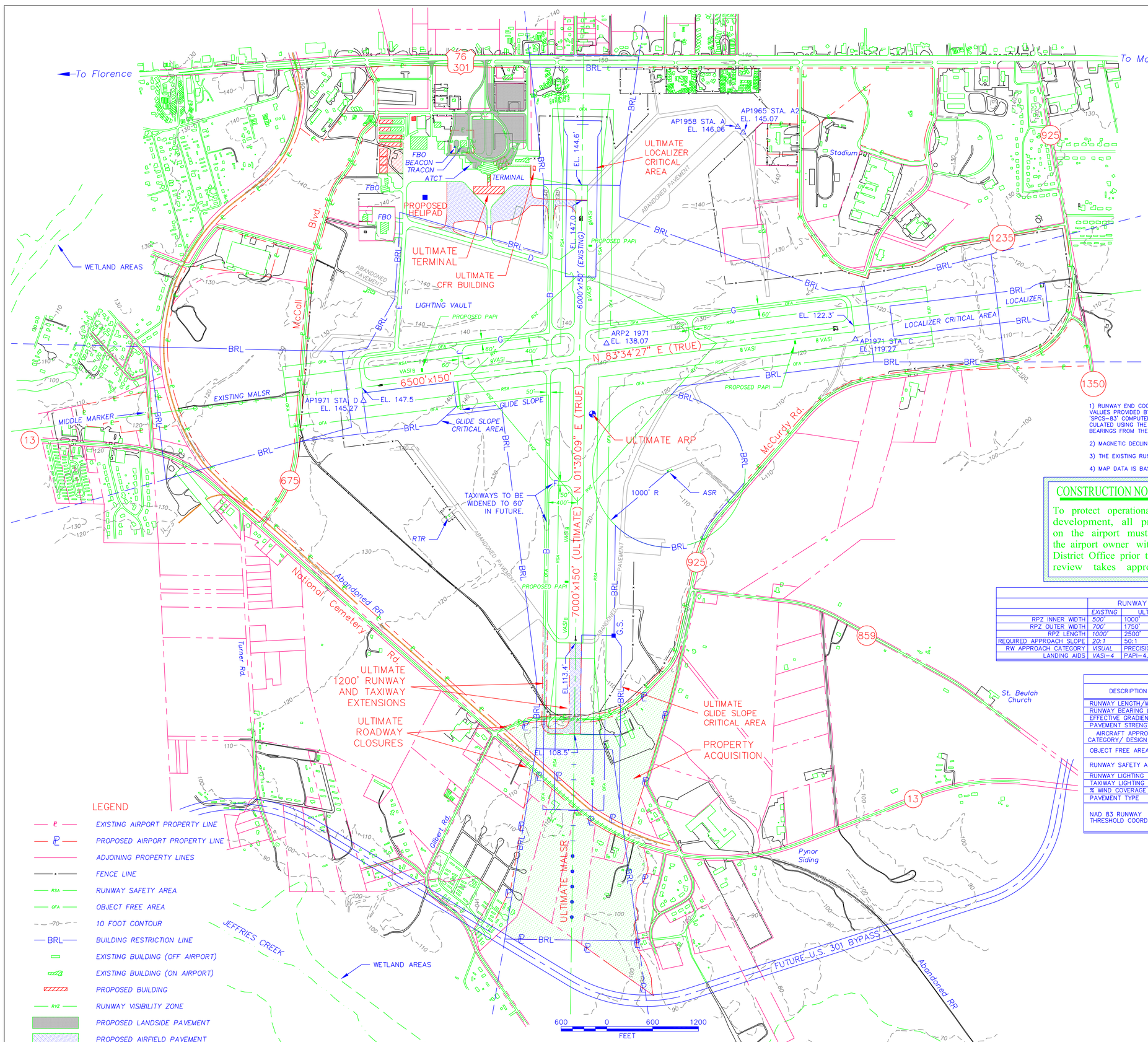

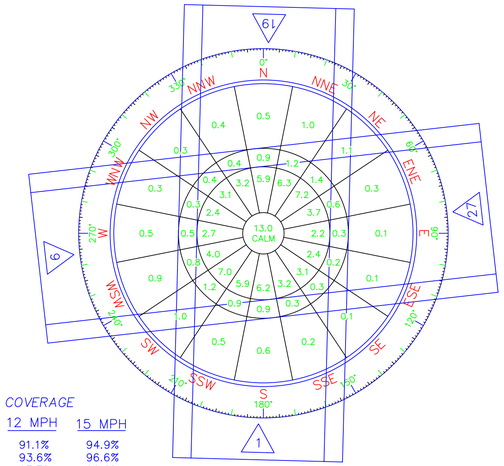

ALL WEATHER WIND ROSE

WIND COVERAGE

RUNWAY	12 MPH	15 MPH
RUNWAY 9/27	91.1%	94.9%
RUNWAY 1/19	93.6%	96.6%
COMBINED COVERAGE:	97.7%	99.0%

DATA OBTAINED FROM NATIONAL WEATHER RECORDS CENTER ASHEVILLE, N.C.

NOTES

1) RUNWAY END COORDINATES ARE EXPRESSED IN THE NAD 83 DATUM. THEY WERE CALCULATED BY CONVERTING NAD 27 COORDINATE VALUES PROVIDED BY THE NOAA AIRPORT SURVEY BRANCH, BASED ON THEIR FIELD SURVEY DATED MARCH 11, 1992, UTILIZING THE 'SPCS-83' COMPUTER PROGRAM PUBLISHED BY THE NATIONAL GEODETIC SURVEY. AIRPORT REFERENCE POINT COORDINATES WERE CALCULATED USING THE PROVIDED COORDINATES AND THE ULTIMATE AIRFIELD CONFIGURATION. SLIGHT DIFFERENCES IN VALUES OF RUNWAY BEARINGS FROM THE PREVIOUS A.L.P ARE ALSO THE RESULT OF COORDINATE DATUM CONVERSION.

2) MAGNETIC DECLINATION DATA SHOWN WAS SUPPLIED BY THE SOUTH CAROLINA GEODETIC SURVEY.

3) THE EXISTING RUNWAY 18/36 HAS BEEN RE-DESIGNATED AS RUNWAY 1/19 TO CORRECT FOR CHANGES IN MAGNETIC DECLINATION.

4) MAP DATA IS BASED ON AERIAL PHOTOGRAPHY DATED 2/18/93.

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.

AIRPORT DATA

	EXISTING	ULTIMATE
AIRPORT ELEVATION	147'	147.5'
AIRPORT REFERENCE POINT COORDINATES	34°11'06" N 79°43'25" W	34°11'03.5" N 79°43'26.3" W
MEAN MAX. TEMP. OF HOTTEST MONTH	90° F	90° F
AIRPORT AND TERMINAL NAVIGATIONAL AIDS	NDB, VOR, DMW, ASR, ROTATING BEACON WIND SOCK, SEG. CIRCLE	SAME
AIRPORT REFERENCE CODE	D-III	D-III

APPROACH DATA AND RUNWAY PROTECTION ZONE DIMENSIONS

	RUNWAY 1		RUNWAY 19		RUNWAY 9		RUNWAY 27	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
RPZ INNER WIDTH	500'	1000'	500'	1000'	1000'	1000'	1000'	1000'
RPZ OUTER WIDTH	700'	1750'	700'	1425'	1750'	1750'	1425'	1425'
RPZ LENGTH	1000'	2500'	1000'	1700'	2500'	2500'	1700'	1700'
REQUIRED APPROACH SLOPE	20:1	50:1	20:1	34:1	50:1	50:1	34:1	34:1
RW APPROACH CATEGORY	VISUAL	PRECISION INST.	VISUAL	NON-PREC., >3/4 MI.	PRECISION INST.	PRECISION INST.	NON-PREC., >3/4 MI.	NON-PREC., >3/4 MI.
LANDING AIDS	VASI-4	PAPI-4, ILS	VASI-4	PAPI-4, REIL	VASI-4, ILS	PAPI-4, ILS	VASI-4, REIL	PAPI-4, REIL

RUNWAY DATA

DESCRIPTION		RUNWAY 1/19		RUNWAY 9/27	
		EXISTING	ULTIMATE	EXISTING	ULTIMATE
RUNWAY LENGTH/WIDTH		6000' x 150'	7000' x 150'	6499' x 150'	6499' x 150'
RUNWAY BEARING (TRUE)		N 01°30'10" E	N 01°30'10" E	N 83°34'27" E	N 83°34'27" E
EFFECTIVE GRADIENT		0.52%	0.52%	0.39%	0.39%
PAVEMENT STRENGTH		100,000 LBS.(D.G.)	130,000 LBS.(D.G.)	77,000 LBS.(D.G.)	77,000 LBS.(D.G.)
AIRCRAFT APPROACH CATEGORY/ DESIGN GROUP		D-III	D-III	D-III	D-III
OBJECT FREE AREA	WIDTH	800'	800'	800'	800'
	LENGTH	1000' BEYOND THRESHOLD	1000' BEYOND THRESHOLD	1000' BEYOND THRESHOLD	1000' BEYOND THRESHOLD
RUNWAY SAFETY AREA	WIDTH	500'	500'	500'	500'
	LENGTH	1000' BEYOND THRESHOLD	1000' BEYOND THRESHOLD	1000' BEYOND THRESHOLD	1000' BEYOND THRESHOLD
RUNWAY LIGHTING		HIRL	HIRL	HIRL	HIRL
TAXIWAY LIGHTING		MITL	MITL	MITL	MITL
% WIND COVERAGE		93.6%	93.6%	91.1%	91.1%
PAVEMENT TYPE		ASPHALT	ASPHALT	ASPHALT	ASPHALT
NAD 83 RUNWAY THRESHOLD COORDINATES	R/W 19	34°11'33.149" N 79°43'27.477" W	R/W 19 34°11'31.234" N 79°43'27.537" W	R/W 9 34°11'07.291" N 79°44'02.183" W	R/W 9 34°11'07.291" N 79°44'02.183" W
	R/W 1	34°10'33.809" N 79°43'29.350" W	R/W 1 34°10'22.020" N 79°43'29.722" W	R/W 27 34°11'14.487" N 79°42'45.299" W	R/W 27 34°11'14.487" N 79°42'45.299" W

LEGEND

- EXISTING AIRPORT PROPERTY LINE
- PROPOSED AIRPORT PROPERTY LINE
- ADJOINING PROPERTY LINES
- FENCE LINE
- RSA — RUNWAY SAFETY AREA
- OFA — OBJECT FREE AREA
- 10 FOOT CONTOUR
- BRL — BUILDING RESTRICTION LINE
- EXISTING BUILDING (OFF AIRPORT)
- EXISTING BUILDING (ON AIRPORT)
- PROPOSED BUILDING
- RVZ — RUNWAY VISIBILITY ZONE
- PROPOSED LANDSIDE PAVEMENT
- PROPOSED AIRFIELD PAVEMENT

1994

NO.	REVISIONS	BY	APP.	DATE

FLORENCE CITY - COUNTY AIRPORT COMMISSION

FLORENCE REGIONAL AIRPORT

Florence, South Carolina

AIRPORT LAYOUT PLAN

PEARSON Engineering
PLANNERS ENGINEERS SURVEYORS
WEST COLUMBIA, SOUTH CAROLINA

DATE: JUNE 1994 | SCALE: 1" = 600' | SHEET: 2 OF 8