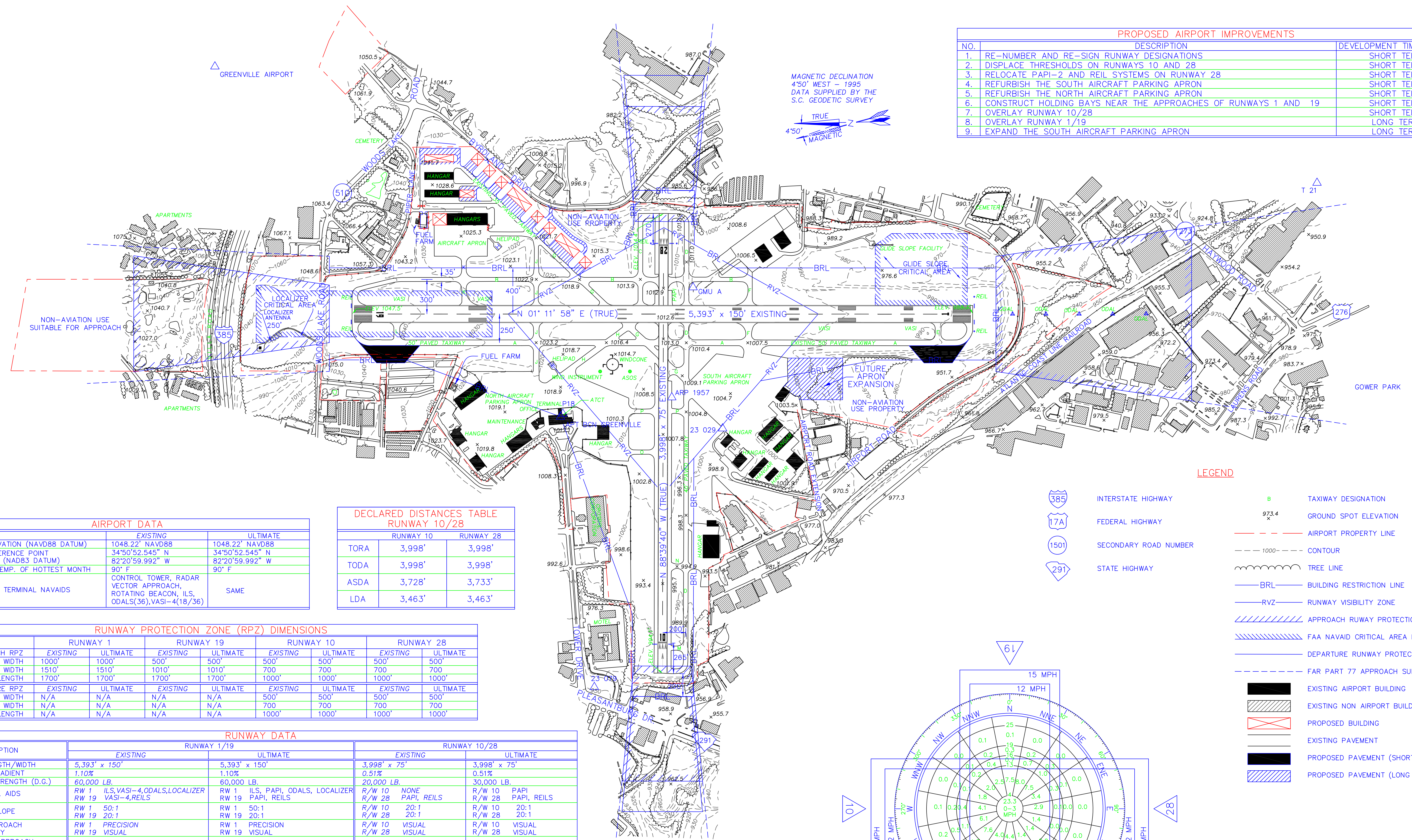


PROPOSED AIRPORT IMPROVEMENTS		
NO.	DESCRIPTION	DEVELOPMENT TIME FRAME
1.	RE-NUMBER AND RE-SIGN RUNWAY DESIGNATIONS	SHORT TERM
2.	DISPLACE THRESHOLDS ON RUNWAYS 10 AND 28	SHORT TERM
3.	RELOCATE PAPI-2 AND REIL SYSTEMS ON RUNWAY 28	SHORT TERM
4.	REFURBISH THE SOUTH AIRCRAFT PARKING APRON	SHORT TERM
5.	REFURBISH THE NORTH AIRCRAFT PARKING APRON	SHORT TERM
6.	CONSTRUCT HOLDING BAYS NEAR THE APPROACHES OF RUNWAYS 1 AND 19	SHORT TERM
7.	OVERLAY RUNWAY 10/28	SHORT TERM
8.	OVERLAY RUNWAY 1/19	LONG TERM
9.	EXPAND THE SOUTH AIRCRAFT PARKING APRON	LONG TERM



AIRPORT DATA		
	EXISTING	ULTIMATE
AIRPORT ELEVATION (NAVD88 DATUM)	1048.22' NAVD88	1048.22' NAVD88
AIRPORT REFERENCE POINT COORDINATES (NAD83 DATUM)	34°50'52.545" N 82°20'59.992" W	34°50'52.545" N 82°20'59.992" W
MEAN MAX. TEMP. OF HOTTEST MONTH	90° F	90° F
AIRPORT AND TERMINAL NAVAIDS	CONTROL TOWER, RADAR VECTOR APPROACH, ROTATING BEACON, ILS, ODALS(36), VASI-4(18/36)	SAME

DECLARED DISTANCES TABLE RUNWAY 10/28		
	RUNWAY 10	RUNWAY 28
TORA	3,998'	3,998'
TODA	3,998'	3,998'
ASDA	3,728'	3,733'
LDA	3,463'	3,463'

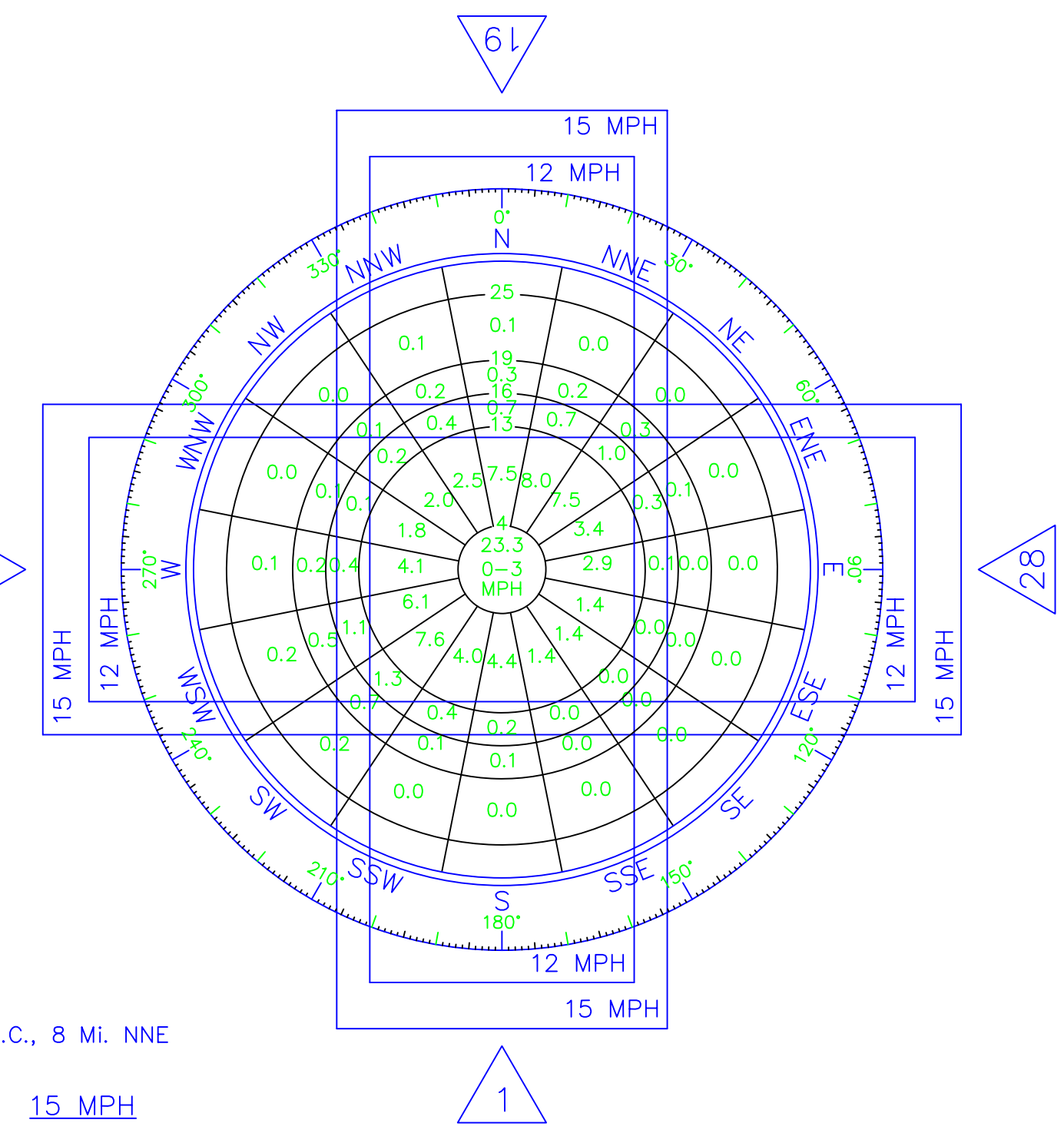
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS								
APPROACH RPZ	RUNWAY 1		RUNWAY 19		RUNWAY 10		RUNWAY 28	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
INNER WIDTH	1000'	1000'	500'	500'	500'	500'	500'	500'
OUTER WIDTH	1510'	1510'	1010'	1010'	700'	700'	700'	700'
LENGTH	1700'	1700'	1700'	1700'	1000'	1000'	1000'	1000'
DEPARTURE RPZ	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
INNER WIDTH	N/A	N/A	N/A	N/A	500'	500'	500'	500'
OUTER WIDTH	N/A	N/A	N/A	N/A	700'	700'	700'	700'
LENGTH	N/A	N/A	N/A	N/A	1000'	1000'	1000'	1000'

RUNWAY DATA				
DESCRIPTION	RUNWAY 1/19		RUNWAY 10/28	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
RUNWAY LENGTH/WIDTH	5,393' x 150'	5,393' x 150'	3,998' x 75'	3,998' x 75'
EFFECTIVE GRADIENT	1.10%	1.10%	0.51%	0.51%
PAVEMENT STRENGTH (D.G.)	60,000 LB.	60,000 LB.	20,000 LB.	30,000 LB.
NAVIGATIONAL AIDS	R/W 1 ILS, VASI-4, ODALS, LOCALIZER R/W 19 VASI-4, REILS	R/W 1 ILS, PAPI, ODALS, LOCALIZER R/W 19 PAPI, REILS	R/W 10 NONE R/W 28 PAPI, REILS	R/W 10 PAPI R/W 28 PAPI, REILS
APPROACH SLOPE	R/W 1 50:1 R/W 19 20:1	R/W 1 50:1 R/W 19 20:1	R/W 10 20:1 R/W 28 20:1	R/W 10 20:1 R/W 28 20:1
RUNWAY APPROACH CATEGORY	R/W 1 PRECISION R/W 19 VISUAL	R/W 1 PRECISION R/W 19 VISUAL	R/W 10 VISUAL R/W 28 VISUAL	R/W 10 VISUAL R/W 28 VISUAL
AIRCRAFT APPROACH CATEGORY / DESIGN GROUP	C II		B II	
OBJECT FREE AREA	800' WIDTH 230' BEYOND RUNWAY END LENGTH	800' WIDTH 230' BEYOND RUNWAY END LENGTH	500' WIDTH 30' BEYOND RUNWAY END LENGTH	500' WIDTH 35' BEYOND RUNWAY END LENGTH
RUNWAY SAFETY AREA	400' WIDTH 230' BEYOND RUNWAY END LENGTH	400' WIDTH 230' BEYOND RUNWAY END LENGTH	150' WIDTH 30' BEYOND RUNWAY END LENGTH	150' WIDTH 35' BEYOND RUNWAY END LENGTH
RUNWAY LIGHTING	HIRL	HIRL	MIRL	MIRL
RUNWAY MARKING (2)	PREC. INST.	PREC. INST.	BASIC	BASIC
% WIND COVERAGE	96.5%	96.5%	97%	97%
PAVEMENT TYPE	ASPHALT	ASPHALT	ASPHALT	ASPHALT
THRESHOLD COORDINATES (NAD83 DATUM)	R/W 1 34°50'25.801" N 82°20'54.919" W	R/W 1 34°50'25.801" N 82°20'54.919" W	R/W 10 34°50'53.074" N 82°21'29.745" W	R/W 10 34°50'53.074" N 82°21'29.745" W
	R/W 19 34°51'19.134" N 82°20'53.564" W	R/W 19 34°51'19.134" N 82°20'53.564" W	R/W 28 34°50'52.227" N 82°20'45.931" W	R/W 28 34°50'52.227" N 82°20'45.931" W

NOTES:  
 (1) NOTE DISPLACED THRESHOLDS ON RUNWAYS 10 AND 28.  
 (2) THRESHOLD AND ARP COORDINATES WERE CONVERTED FROM NAD27 TO NAD83 WITH THE CORPSON COMPUTER PROGRAM SUPPLIED BY THE NATIONAL GEODETIC SURVEY.  
 (3) PHOTOGRAMMETRY AND PHOTOGRAPHY USED IN THE PREPARATION OF THIS AIRPORT LAYOUT PLAN WERE FURNISHED BY THE SC DEPARTMENT OF COMMERCE DIVISION OF AERONAUTICS.

**LEGEND**

- 385 INTERSTATE HIGHWAY
- 17A FEDERAL HIGHWAY
- 1501 SECONDARY ROAD NUMBER
- 291 STATE HIGHWAY
- B TAXIWAY DESIGNATION
- 973.4 x GROUND SPOT ELEVATION
- AIRPORT PROPERTY LINE
- - - - - CONTOUR
- ~ ~ ~ ~ ~ TREE LINE
- BRL --- BUILDING RESTRICTION LINE
- RVZ --- RUNWAY VISIBILITY ZONE
- /// APPROACH RUNWAY PROTECTION ZONE LIMIT
- /// FAA NAVAID CRITICAL AREA LIMIT
- DEPARTURE RUNWAY PROTECTION ZONE LIMIT
- - - - - FAR PART 77 APPROACH SURFACE LIMIT
- █ EXISTING AIRPORT BUILDING
- █ EXISTING NON AIRPORT BUILDING
- █ PROPOSED BUILDING
- █ EXISTING PAVEMENT
- █ PROPOSED PAVEMENT (SHORT TERM)
- █ PROPOSED PAVEMENT (LONG TERM)



NO.	REVISIONS	BY	APP.	DATE

**Greenville Airport Commission**  
**Greenville Downtown Airport**

AIRPORT LAYOUT PLAN

**PEARSON Engineering** PLANNERS ENGINEERS SURVEYORS  
 WEST COLUMBIA, SOUTH CAROLINA

DATE: JUNE 1998 SCALE: 1" = 400' SHEET: 2 OF 7

1998

400 0 400 800 FEET