



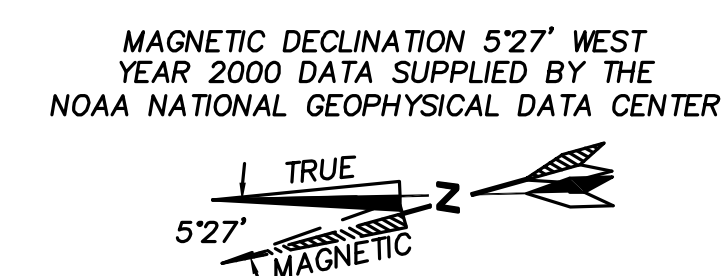
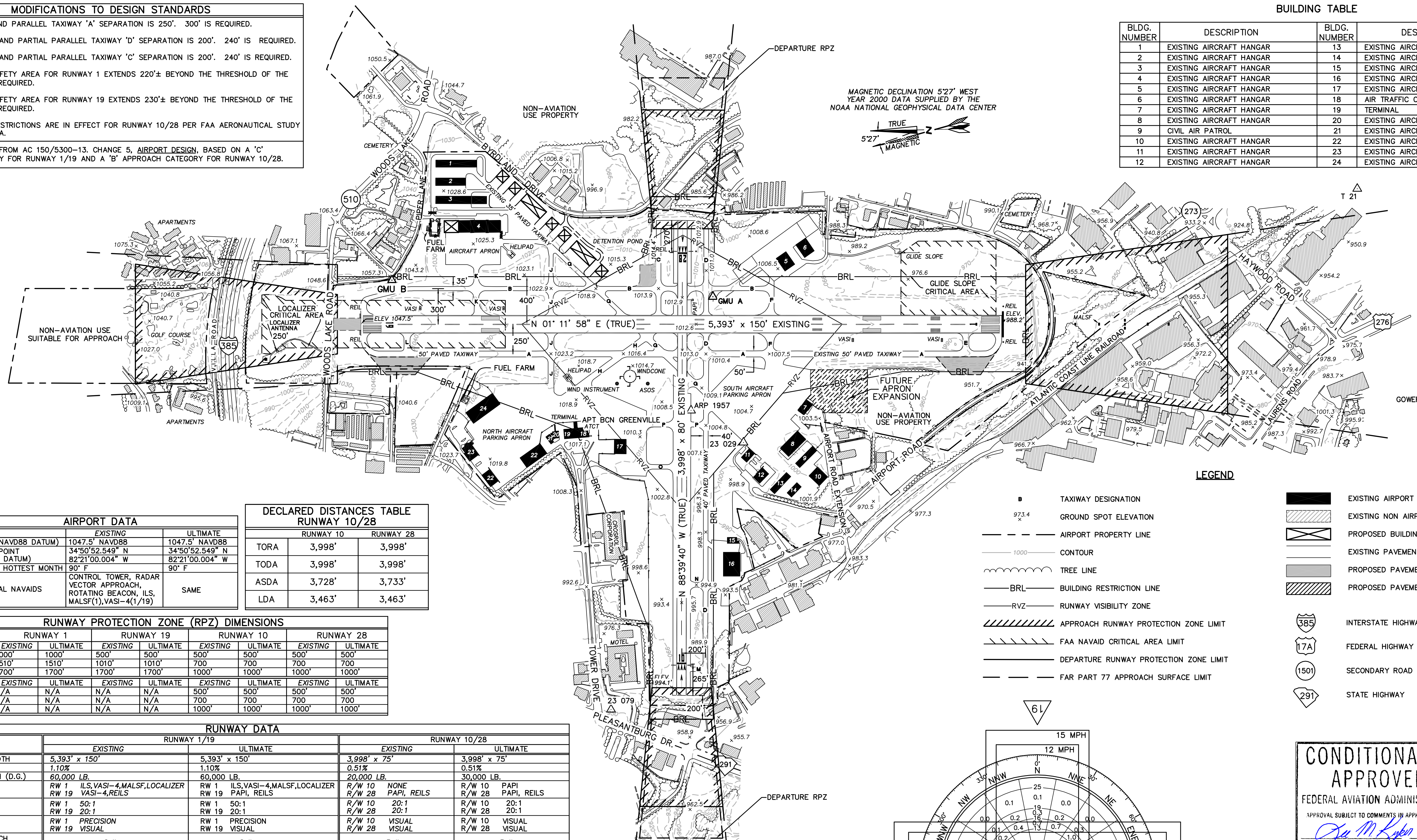
MODIFICATIONS TO DESIGN STANDARDS

1. RUNWAY 1/19 AND PARALLEL TAXIWAY 'A' SEPARATION IS 250'. 300' IS REQUIRED.
2. RUNWAY 10/28 AND PARTIAL PARALLEL TAXIWAY 'D' SEPARATION IS 200'. 240' IS REQUIRED.
3. RUNWAY 10/28 AND PARTIAL PARALLEL TAXIWAY 'C' SEPARATION IS 200'. 240' IS REQUIRED.
4. THE RUNWAY SAFETY AREA FOR RUNWAY 1 EXTENDS 220'± BEYOND THE THRESHOLD OF THE RUNWAY. 1000' IS REQUIRED.
5. THE RUNWAY SAFETY AREA FOR RUNWAY 19 EXTENDS 230'± BEYOND THE THRESHOLD OF THE RUNWAY. 1000' IS REQUIRED.
6. OPERATIONAL RESTRICTIONS ARE IN EFFECT FOR RUNWAY 10/28 PER FAA AERONAUTICAL STUDY No. 00-ASO-83-NRA.

REQUIREMENTS ARE FROM AC 150/5300-13. CHANGE 5, AIRPORT DESIGN, BASED ON A 'C' APPROACH CATEGORY FOR RUNWAY 1/19 AND A 'B' APPROACH CATEGORY FOR RUNWAY 10/28.

BUILDING TABLE

BLDG. NUMBER	DESCRIPTION	BLDG. NUMBER	DESCRIPTION
1	EXISTING AIRCRAFT HANGAR	13	EXISTING AIRCRAFT HANGAR
2	EXISTING AIRCRAFT HANGAR	14	EXISTING AIRCRAFT HANGAR
3	EXISTING AIRCRAFT HANGAR	15	EXISTING AIRCRAFT HANGAR
4	EXISTING AIRCRAFT HANGAR	16	EXISTING AIRCRAFT HANGAR
5	EXISTING AIRCRAFT HANGAR	17	EXISTING AIRCRAFT HANGAR
6	EXISTING AIRCRAFT HANGAR	18	AIR TRAFFIC CONTROL TOWER
7	EXISTING AIRCRAFT HANGAR	19	TERMINAL
8	EXISTING AIRCRAFT HANGAR	20	EXISTING AIRCRAFT HANGAR
9	CIVIL AIR PATROL	21	EXISTING AIRCRAFT HANGAR
10	EXISTING AIRCRAFT HANGAR	22	EXISTING AIRCRAFT HANGAR
11	EXISTING AIRCRAFT HANGAR	23	EXISTING AIRCRAFT HANGAR
12	EXISTING AIRCRAFT HANGAR	24	EXISTING AIRCRAFT HANGAR



AIRPORT DATA

	EXISTING	ULTIMATE
AIRPORT ELEVATION (NAVD88 DATUM)	1047.5' NAVD88	1047.5' NAVD88
AIRPORT REFERENCE POINT COORDINATES (NAD83 DATUM)	34°50'52.549" N 82°21'00.004" W	34°50'52.549" N 82°21'00.004" W
MEAN MAX. TEMP. OF HOTTEST MONTH	90° F	90° F
AIRPORT AND TERMINAL NAVAIDS	CONTROL TOWER, RADAR VECTOR APPROACH, ROTATING BEACON, ILS, MALSF(1), VASI-4(1/19)	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

	RUNWAY 1		RUNWAY 19		RUNWAY 10		RUNWAY 28	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
APPROACH RPZ	1000'	1000'	500'	500'	500'	500'	500'	500'
INNER WIDTH	1510'	1510'	1010'	1010'	700'	700'	700'	700'
OUTER WIDTH	1700'	1700'	1700'	1700'	1000'	1000'	1000'	1000'
LENGTH	1700'	1700'	1700'	1700'	1000'	1000'	1000'	1000'
DEPARTURE RPZ	N/A	N/A	N/A	N/A	500'	500'	500'	500'
INNER WIDTH	N/A	N/A	N/A	N/A	700'	700'	700'	700'
OUTER WIDTH	N/A	N/A	N/A	N/A	1000'	1000'	1000'	1000'
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, MALSF, LOCALIZER R/W 19 VASI-4, REILS	R/W 1 ILS, VASI-4, MALSF, 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	C II	B 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.	VISUAL	VISUAL
% WIND COVERAGE	96.5%	96.5%	97%	97%
PAVEMENT TYPE	ASPHALT	ASPHALT	ASPHALT	ASPHALT
THRESHOLD COORDINATES (NAD83 DATUM)	R/W 1 34°50'25.808" N 82°20'54.918" W R/W 19 34°51'19.134" N 82°20'53.564" W	R/W 1 34°50'25.808" N 82°20'54.918" W R/W 19 34°51'19.134" N 82°20'53.564" W	R/W 10 34°50'53.054" N 82°21'28.543" W R/W 28 34°51'19.134" N 82°20'47.011" W	R/W 10 34°50'53.054" N 82°21'28.543" W R/W 28 34°50'52.252" N 82°20'47.011" W
END OF RUNWAY COORDINATES (NAD83 DATUM)	R/W 1 34°50'25.808" N 82°20'54.918" W R/W 19 34°51'19.134" N 82°20'53.564" W	R/W 1 34°50'25.808" N 82°20'54.918" W R/W 19 34°51'19.134" N 82°20'53.564" W	R/W 10 34°50'53.112" N 82°21'31.725" W R/W 28 34°50'52.185" N 82°20'43.775" W	R/W 10 34°50'53.054" N 82°21'28.543" W R/W 28 34°50'52.252" N 82°20'43.775" W

NOTES

- (1) NOTE DISPLACED THRESHOLDS ON RUNWAYS 10 AND 28.
- (2) END OF RUNWAY LATITUDES AND LONGITUDES IN THE NAD83 DATUM WERE SUPPLIED BY THE NOAA/NGS AIRPORT PLANNING UNIT ON 8/2/00. THRESHOLD COORDINATES FOR RUNWAY 10/28 WERE CALCULATED USING THE DISPLACEMENT DIMENSIONS SHOWN HEREON. ARP COORDINATES WERE RECALCULATED BASED ON THE UPDATED THRESHOLD COORDINATES.
- (3) PHOTOGAMMETRY AND PHOTOGRAPHY USED IN THE PREPARATION OF THIS AIRPORT LAYOUT PLAN WERE FURNISHED BY THE SC DEPARTMENT OF COMMERCE DIVISION OF AERONAUTICS.

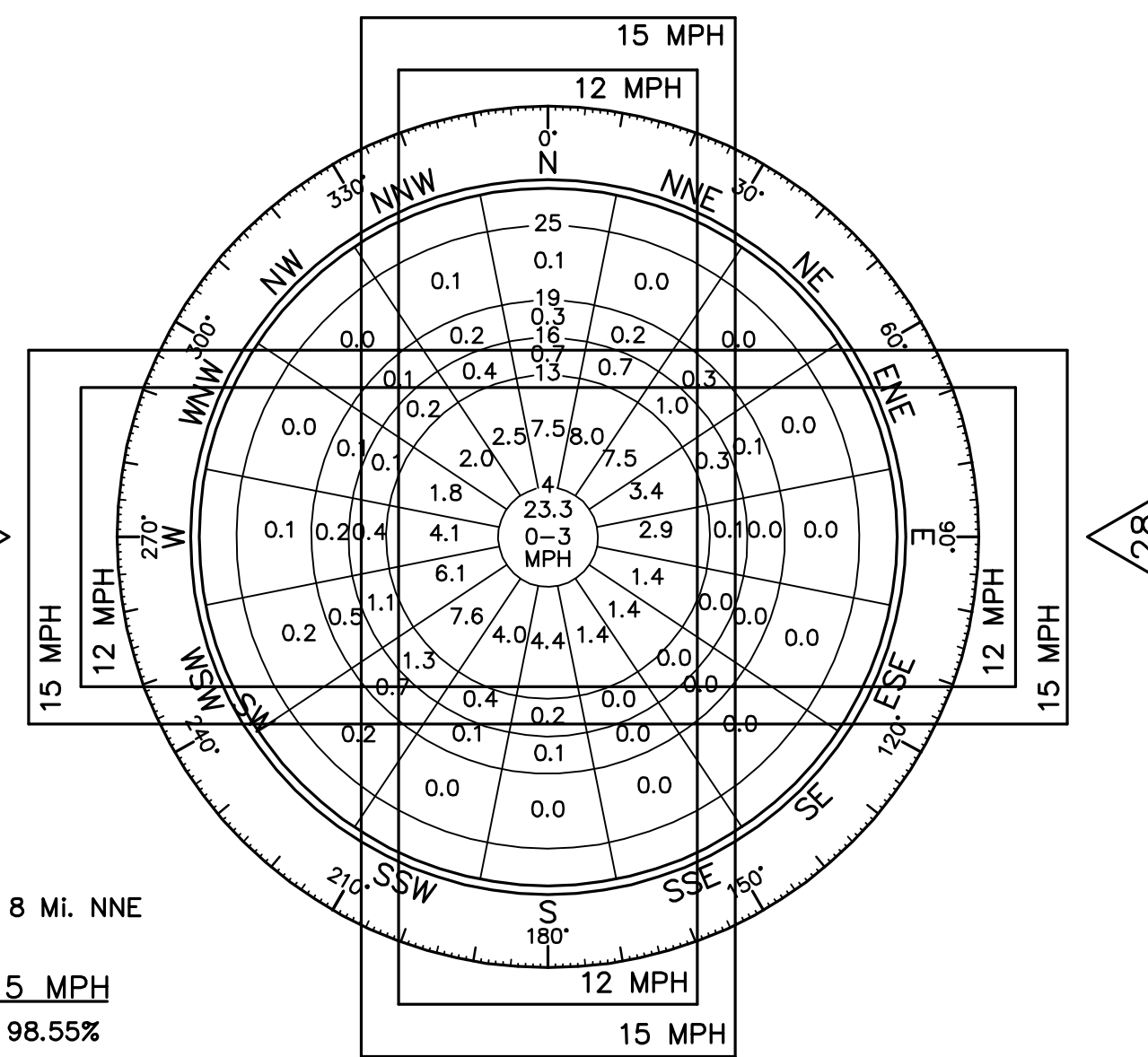
LEGEND

- B TAXIWAY DESIGNATION
- 973.4 GROUND SPOT ELEVATION
- AIRPORT PROPERTY LINE
- 1000 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)
- 385 INTERSTATE HIGHWAY
- 17A FEDERAL HIGHWAY
- 1501 SECONDARY ROAD NUMBER
- 291 STATE HIGHWAY

ALL WEATHER WIND ROSE

WIND ROSE DATA SOURCE:
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, NORTH CAROLINA 28801
DATA TAKEN FROM STATION 3870 - GREER, S.C., 8 MI. NNE
FOR THE PERIOD 10/01/62 THRU 12/31/78

WIND COVERAGE	12 MPH	15 MPH
R/W 1/19	94.41%	98.55%
R/W 10/28	93.32%	98.47%
R/W 1/19 AND R/W 10/28	99.59%	99.95%



CONDITIONALLY APPROVED
FEDERAL AVIATION ADMINISTRATION
APPROVAL SUBJECT TO COMMENTS IN APPROVAL LETTER
De M. Kyeon 8/18/00
Section Chief Date
Airports District Office

NO.	REVISIONS	BY	APP.	DATE

Greenville Airport Commission
Greenville Downtown Airport
AIRPORT LAYOUT PLAN
PEARSON Engineering PLANNERS ENGINEERS SURVEYORS
WEST COLUMBIA, SOUTH CAROLINA
DATE: AUGUST 2000 SCALE: 1" = 400' SHEET: 2 OF 7