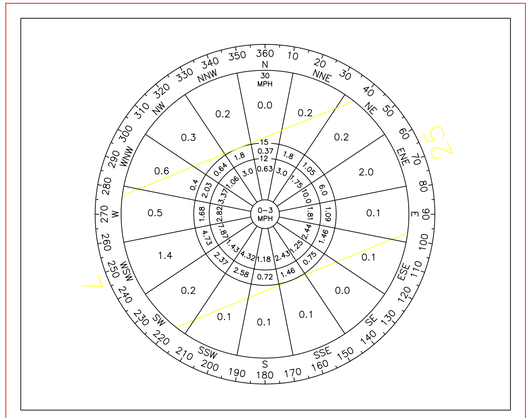
1999



ALL WEATHER WIND ROSE

SOURCE: US WEATHER BUREAU ANDERSON, SC PERIOD: 5YRS. DATE UNKNOWN
WIND COVERAGE: 12 MPH = 92.8% 15 MPH = 98.8%
0 – 3 MPH CALMS = 15%

NOTES

THE PREPARATION OF THIS DOCUMENT WAS FINANCED, INPART, THROUGH A PLANNING GRANT FROM THE FEDERAL AVIATION ADMINISTRATION (FAA) AS PROVIDED UNDER CHAPTER 13 OF THE AIRPORT AND AIRWAY DEVELOPMENT ACT OF 1982, AS AMENDED. ADDITIONAL FUNDING WAS ALSO PROVIDED BY THE SOUTH CAROLINA AERONAUTICS COMMISSION AND OCONEE COUNTY, SOUTH CAROLINA. THE CONTENTS OF THIS REPORT REFLECT THE VIEWS OF THE CONSULTANT AND DO NOT NECESSARILY REFLECT THE VIEWS OR POLICY OF THE FAA OR THE SOUTH CAROLINA AERONAUTICS COMMISSION. ACCEPTANCE OF THIS REPORT BY THE FAA AND THE SOUTH CAROLINA AERONAUTICS COMMISSION DOES NOT, IN ANY WAY, CONSTITUTE A COMMITMENT BY 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 APPLICABLE PUBLIC LAWS.

ALL LEASES, RELEASES OF LAND, AND BUILDING CONSTRUCTION TO BE COORDINATED AND CONCURRED WITH BY THE FEDERAL AVIATION ADMINISTRATION.

STAGING

STAGE I 1991–1996

STAGE II 1997–2001

STAGE III 2002–2011

EXISTING BUILDINGS

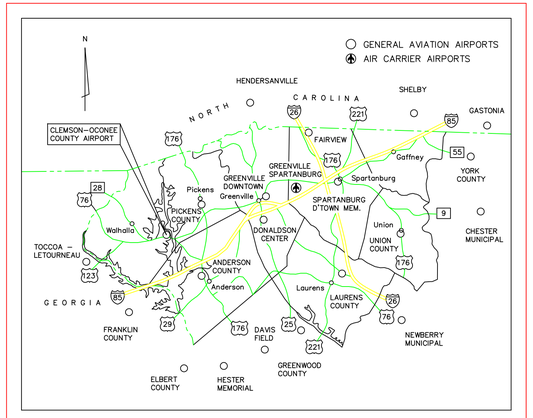
1. TERMINAL
2. MAINTENANCE HANGAR
3. T–HANGAR
4. CORPORATE HANGAR
5. FUEL FARM
6. ELECTRICAL VAULT BUILDING

MAG. DEC. 3°40'W (1990)

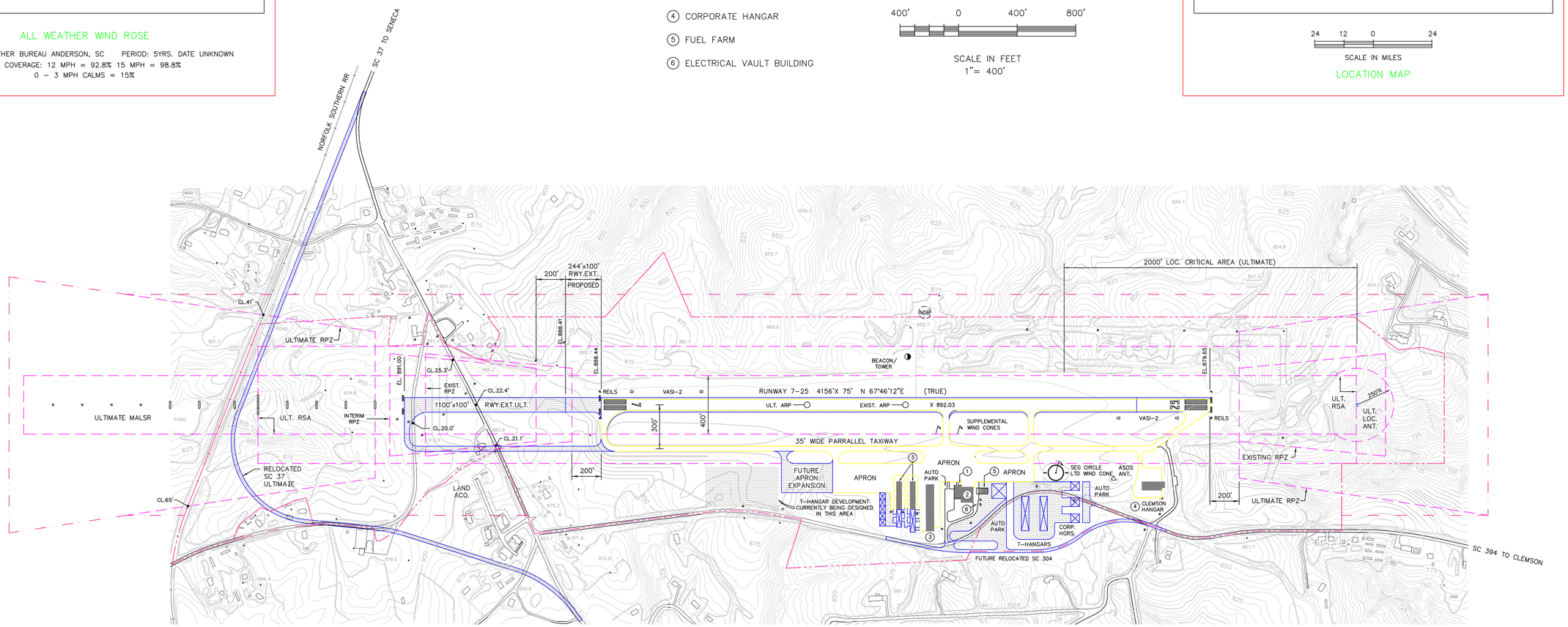
TRUE NORTH

400' 0 400' 800'

SCALE IN FEET
1"= 400'



LOCATION MAP



AIRPORT DESIGN STANDARDS DIMENSIONAL DATA

AIRPORT REFERENCE CODE (ARC) ITEM	EXIST. REQ.	ULT. REQ.
RUNWAY SAFETY AREA (RSA) WIDTH	150'	400'
RSA BEYOND RUNWAY END	300'	1000'
RUNWAY OBSTACLE FREE ZONE (OFZ) WIDTH	400'	400'
OFZ BEYOND RUNWAY END	200'	200'
INNER TRANSITIONAL OFZ HEIGHT (H)	150'	51'
INNER TRANSITIONAL OFZ SLOPE	0:1	6:1
INNER APPROACH OFZ WIDTH	N/A	400'
INNER APPROACH OFZ BEYOND LAST MALSR UNIT	N/A	200'
SLOPE FROM 200' BEYOND THRESHOLD	N/A	50:1
RUNWAY OBJECT FREE AREA (ROFA) WIDTH	500'	800'
ROFA BEYOND R/W END	300'	1000'
TAXIWAY OBJECT FREE AREA (TOFA) WIDTH	131'	131'
TAXILANE OBJECT FREE AREA	115'	115'
MINIMUM AIRCRAFT PARKING DIST FROM RUNWAY CENTERLINE	250'	400'

RUNWAY DATA

ITEM		EXISTING	ULTIMATE
RUNWAY 7 END	LATITUDE NORTH	34°40'11.59"	34°40'06.56"
COORDINATES (NAD83)	LONGITUDE WEST	82°53'34.22"	82°53'49.11"
RUNWAY 25 END	LATITUDE NORTH	34°40'27.14"	SAME
COORDINATES (NAD83)	LONGITUDE WEST	82°52'48.16"	SAME
LENGTH X WIDTH		4156'x75'	5500'x100'
EFFECTIVE GRADIENT		0.30%	0.22%
PAVEMENT SURFACE		ASPHALT	SAME
PAVEMENT STRENGTH (THOUSANDS OF POUNDS)		26S	60D
MARKING		NPI	PIR
LIGHTING		MIRL	HIRL
	VASI–2	7/25	—
	PAPI	—	7/25
	REIL	7/25	25
	MALSF	—	7
NAVAIDS	NPI/GPS	7/25	SAME
	LOCALIZER	—	7
PRECISION INSTRUMENT RUNWAY		—	7

AIRPORT DATA

ITEM		EXISTING	ULTIMATE
AIRPORT REFERENCE POINT	LATITUDE NORTH	34°40'19.37"	34°40'16.85"
ARP COORDINATES (NAD83)	LONGITUDE WEST	82°53'11.19"	82°53'18.64"
ESTABLISHED AIRPORT ELEVATION (MEAN SEA LEVEL)		892'	SAME
NORMAL MAXIMUM TEMPERATURE – HOTTEST MONTH		90°F	SAME
AIRPORT REFERENCE CODE (ARC)		B II	C II
AIRPORT AND TERMINAL NAVAIDS		ROT.BEACON	SAME
		ASOS	SAME
		NDB	SAME
(1) SEGMENTED CIRCLE & LIGHTED WIND CONE		(1) SC/LWC	SAME
TAXIWAY LIGHTING		MITL	SAME

RUNWAY APPROACH AND RPZ DATA

RUNWAY	EXISTING	ULTIMATE
7	NONPRECISION APPROACH SURFACE VISIBILITY MINIMUMS NOT LESS THAN 1 MILE 500' X 10000' X 3500' 10000' @ 34:1 REQUIRED RUNWAY PROTECTION ZONE 500' X 1000' X 700'	PRECISION APPROACH SURFACE VISIBILITY MINIMUMS NOT LESS THAN CAT I 1000' X 50000' X 16000' 10000' @ 50:1 REQ. 40000' @ 40:1 REQ. RUNWAY PROTECTION ZONE 1000' X 2500' X 1750'
25	NONPRECISION APPROACH SURFACE VISIBILITY MINIMUMS NOT LESS THAN 1 MILE 500' X 10000' X 3500' 10000' @ 34:1 REQUIRED RUNWAY PROTECTION ZONE 500' X 1000' X 700'	NONPRECISION APPROACH SURFACE VISIBILITY MINIMUMS NOT LESS THAN 1 MILE 500' X 10000' X 3500' 10000' @ 34:1 REQUIRED RUNWAY PROTECTION ZONE 500' X 1000' X 700'

LEGEND

ITEM	EXISTING	FUTURE
SPOT ELEVATION	896.6	
GROUND CONTOURS	800	
WOODED AREA		
ROADS (PAVED)		
ROADS (UNPAVED)		
BUILDINGS / STRUCTURES		
AIRPORT BUILDINGS / STRUCTURES		
AIRPORT PAVED AREAS		
AIRPORT PROPERTY LINE		

TALBERT & BRIGH
ENGINEERING & PLANNING CONSULTANTS
THE COTTON EXCHANGE 321 N. FRONT ST. WILMINGTON, NC 28401
FAX: 910–762–6281 EMAIL: tb1@wilmington.net PHONE: 910–763–5350

REV. NO.	DESCRIPTION	DATE
5	ALP UP–DATE	12/1/99
4	ADDED PARALLEL TAXIWAY PER AIP 3–45–0016–05	8/20/97
3	ADDED PARCEL 15, 16, 17, 18, 19 PER AIP 3–45–0016–03	8/23/96
2	REVISED TERMINAL AREA DEVELOPMENT	8/23/96
1	REVISED LAYOUT FROM APRON EXPANSION	6/10/94

REVISIONS

CLEMSON – OCONEE COUNTY AIRPORT
CLEMSON SOUTH CAROLINA

AIRPORT LAYOUT PLAN

Approved By

Title CHAIRMAN

Date

OCONEE COUNTY AERONAUTICS COMMISSION

Date APRIL 1992

Scale 1"= 400'

Drawn LSM

Checked JTT

Project No. 3401–9904

Sheet No. 1

Of ONE