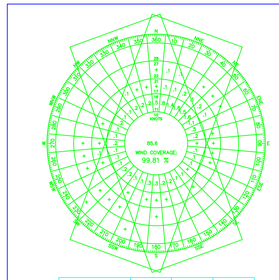
MAG. DEC. 6° 59' (W) 2002
TRUE

NOTE:
1: ALL LATITUDE AND LONGITUDE COORDINATES ARE IN NAD '83 FORMAT.

2: ALL ELEVATIONS ARE IN NAVD 88 FORMAT.

3: NO OBJECT PENETRATIONS OTHER THAN FRANGIBLE NAVAIDS PENETRATE OFZ.

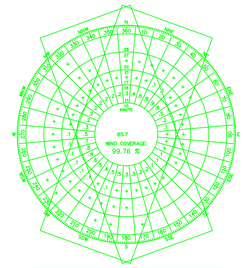
4: NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.



IFR	10.5 KTS 12 MPH	13 KTS 15 MPH	16 KTS 18 MPH
RUNWAY 02	60.80%	61.66%	N/A
RUNWAY 20	29.93%	30.36%	N/A
RUNWAY 16	31.73%	32.22%	32.76%
RUNWAY 34	53.88%	57.14%	59.63%
CALMS	7.00%	7.00%	7.00%

SOURCE: NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
STATION: SHAW AIR FORCE BASE, SOUTH CAROLINA
PERIOD COVERED: 1/1/91 THRU 12/31/2000

SANTEE COOPER REGIONAL AIRPORT
IFR WEATHER WIND ROSE



ALL WEATHER	10.5 KTS 12 MPH	13 KTS 15 MPH	16 KTS 18 MPH
RUNWAY 02	43.96%	44.62%	N/A
RUNWAY 20	45.52%	46.97%	N/A
RUNWAY 16	40.44%	41.84%	43.19%
RUNWAY 34	45.02%	47.38%	49.38%
CALMS	6.78%	6.78%	6.78%

SOURCE: NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
STATION: SHAW AIR FORCE BASE, SOUTH CAROLINA
PERIOD COVERED: 1/1/91 THRU 12/31/2000

SANTEE COOPER REGIONAL AIRPORT
ALL WEATHER WIND ROSE

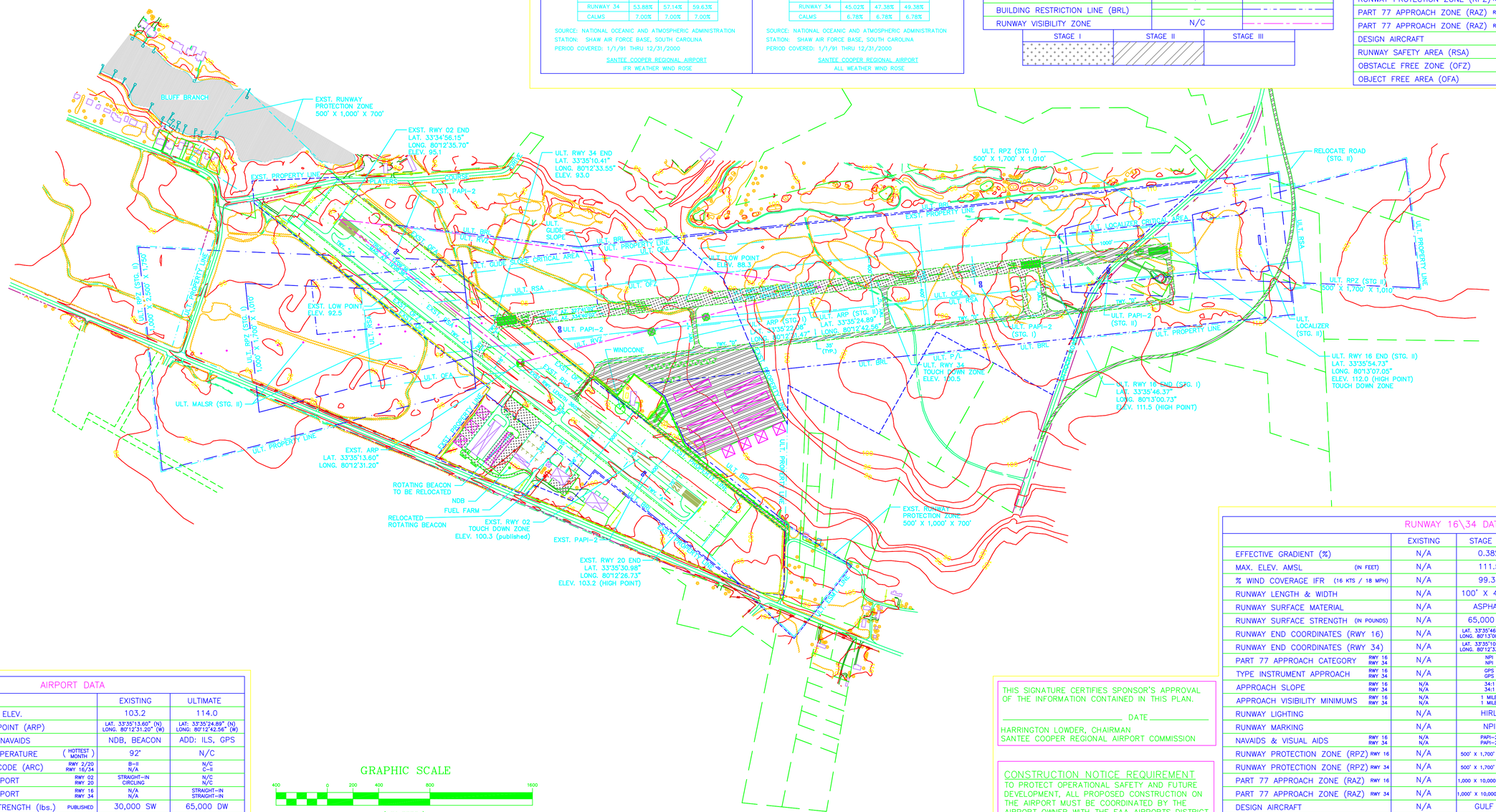
LEGEND

	EXISTING	ULTIMATE
PROPERTY LINE		
EASEMENT LINE		
RUNWAY PROTECTION ZONE (RPZ)		
PAVEMENT		SEE STAGING
BUILDINGS		SEE STAGING
FENCING		
GROUND CONTOUR	90	N/C
WOODED AREA		N/C
DITCH/CREEK		N/C
AIRPORT REFERENCE POINT		
RUNWAY SAFETY AREA (RSA)		
OBSTACLE FREE ZONE (OFZ)		
OBJECT FREE AREA (OFA)		
THRESHOLD LIGHTS / MALSR		
INSTRUMENT LANDING SYSTEM CRITICAL AREA	N/C	
BUILDING RESTRICTION LINE (BRL)		
RUNWAY VISIBILITY ZONE	N/C	

STAGE I	STAGE II	STAGE III

RUNWAY 2\20 DATA

	EXISTING	ULTIMATE
EFFECTIVE GRADIENT (%)	0.10%	N/C
(%) WIND COVERAGE IFR (13 KTS/15 MPH)	99.71	N/C
MAX. ELEV. AMSL (PUBLISHED)	103.2	N/C
RUNWAY LENGTH & WIDTH (PUBLISHED)	3,602' X 70'	N/C
RUNWAY SURFACE MATERIAL	ASPHALT	N/C
RUNWAY SURFACE STRENGTH (lbs.) (PUBLISHED)	30,000 SW	N/C
RUNWAY END COORDINATES (RWY 02)	LAT. 33°34'56.15" (N) LONG. 80°12'35.70" (W)	N/C
RUNWAY END COORDINATES (RWY 20)	LAT. 33°35'30.98" (N) LONG. 80°12'26.73" (W)	N/C
PART 77 APPROACH CATEGORY RWY 02 / RWY 20	NPI / VISUAL	N/C / N/C
TYPE INSTRUMENT APPROACH (PUBLISHED)	NPI–NDB	N/C / N/C
APPROACH SLOPE RWY 02 / RWY 20	34:1 / 20:1	N/C / N/C
APPROACH VISIBILITY MINIMUMS RWY 02 / RWY 20	1 MILE / VISUAL	N/C / N/C
RUNWAY LIGHTING (PUBLISHED)	MIRL	N/C
RUNWAY MARKING (PUBLISHED)	NPI	N/C
NAVAIDS & VISUAL AIDS RWY 02 / RWY 20	REIL, PAPI–2 / REIL, PAPI–2	N/C / N/C
RUNWAY PROTECTION ZONE (RPZ) RWY 02	500' X 1,000' X 700'	N/C
RUNWAY PROTECTION ZONE (RPZ) RWY 20	500' X 1,000' X 700'	N/C
PART 77 APPROACH ZONE (RAZ) RWY 02	500' X 10,000' X 3,500'	N/C
PART 77 APPROACH ZONE (RAZ) RWY 20	500' X 5,000' X 1,500'	N/C
DESIGN AIRCRAFT	KINGAIR B200	N/C
RUNWAY SAFETY AREA (RSA)	150' X 4,202'	N/C
OBSTACLE FREE ZONE (OFZ)	400' X 4,002'	N/C
OBJECT FREE AREA (OFA)	500' X 4,202'	N/C



AIRPORT DATA

	EXISTING	ULTIMATE
ESTABLISHED AIRPORT ELEV.	103.2	114.0
AIRPORT REFERENCE POINT (ARP)	LAT. 33°35'13.60" (N) LONG. 80°12'31.20" (W)	LAT. 33°35'24.89" (N) LONG. 80°12'42.56" (W)
AIRPORT & TERMINAL NAVAIDS	NDB, BEACON	ADD: ILS, GPS
MEAN DAILY MAX. TEMPERATURE (HOTTEST MONTH)	92°	N/C
AIRPORT REFERENCE CODE (ARC) RWY 2/20 / RWY 16/34	B–II / N/A	N/C / C–II
GPS AVAILABLE AT AIRPORT RWY 02 / RWY 20	STRAIGHT–IN CIRCLING	N/C / N/C
GPS AVAILABLE AT AIRPORT RWY 16 / RWY 34	N/A / N/A	STRAIGHT–IN / STRAIGHT–IN
TAXIWAY PAVEMENT. STRENGTH (lbs.) PUBLISHED	30,000 SW	65,000 DW
APRON PAVEMENT STRENGTH (lbs.) PUBLISHED	30,000 SW	65,000 DW
TAXIWAY LIGHTING	MITL	N/C
DESIGN AIRCRAFT	KINGAIR B200	GULF III

GRAPHIC SCALE
400 0 200 400 800 1600
(IN FEET)
1 inch = 400 ft.

THIS SIGNATURE CERTIFIES SPONSOR'S APPROVAL OF THE INFORMATION CONTAINED IN THIS PLAN.

_____ DATE _____

HARRINGTON LOWDER, CHAIRMAN
SANTEE COOPER REGIONAL AIRPORT COMMISSION

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 16\34 DATA

	EXISTING	STAGE I	STAGE II	STAGE III
EFFECTIVE GRADIENT (%)	N/A	0.38%	0.32%	N/C
MAX. ELEV. AMSL (IN FEET)	N/A	111.5	112.0	N/C
% WIND COVERAGE IFR (16 KTS / 18 MPH)	N/A	99.35	N/C	N/C
RUNWAY LENGTH & WIDTH	N/A	100' X 4,300'	100' X 5,300'	N/C
RUNWAY SURFACE MATERIAL	N/A	ASPHALT	N/C	N/C
RUNWAY SURFACE STRENGTH (IN POUNDS)	N/A	65,000 DW	N/C	N/C
RUNWAY END COORDINATES (RWY 16)	N/A	LAT. 33°35'46.37" (N) LONG. 80°13'00.73" (W)	LAT. 33°35'54.73" (N) LONG. 80°13'07.05" (W)	N/C
RUNWAY END COORDINATES (RWY 34)	N/A	LAT. 33°35'10.41" (N) LONG. 80°12'33.55" (W)	N/C	N/C
PART 77 APPROACH CATEGORY RWY 16 / RWY 34	N/A	NPI / NPI	N/C / PI	N/C
TYPE INSTRUMENT APPROACH RWY 16 / RWY 34	N/A	GPS / GPS	N/C / ILS, GPS	N/C
APPROACH SLOPE RWY 16 / RWY 34	N/A / N/A	34:1 / 34:1	N/C / 50:1	N/C / N/C
APPROACH VISIBILITY MINIMUMS RWY 16 / RWY 34	N/A / N/A	1 MILE / 1 MILE	N/C / 1/2 MILE	N/C / N/C
RUNWAY LIGHTING	N/A	HIRL	N/C	N/C
RUNWAY MARKING	N/A	NPI	PI	N/C
NAVAIDS & VISUAL AIDS RWY 16 / RWY 34	N/A / N/A	PAPI–2 / PAPI–2	N/C / MALSR	N/C / N/C
RUNWAY PROTECTION ZONE (RPZ) RWY 16	N/A	500' X 1,700' X 1,010'	N/C	N/C
RUNWAY PROTECTION ZONE (RPZ) RWY 34	N/A	500' X 1,700' X 1,010'	1,000' X 2,500' X 1,750'	N/C
PART 77 APPROACH ZONE (RAZ) RWY 16	N/A	1,000 X 10,000' X 3,500'	N/C	N/C
PART 77 APPROACH ZONE (RAZ) RWY 34	N/A	1,000' X 10,000' X 3,500'	1,000' X 50,000' X 16,000'	N/C
DESIGN AIRCRAFT	N/A	GULF III	N/C	N/C
RUNWAY SAFETY AREA (RSA)	N/A	400' X 6,300'	400' X 7,300'	N/C
OBSTACLE FREE ZONE (OFZ)	N/A	400' X 4,700'	400' X 8,300'	N/C
OBJECT FREE AREA (OFA)	N/A	800' X 6,300'	800' X 7,300'	N/C

REV. NO.	DESCRIPTION	DATE
1	REVISED TO ADD MIRL, MITL, AND PAPI–2 (PROJECT FAA AIP NO. 3–45–0038–02)	10/31/03

REVISIONS

PROJECT MANAGER: GAV
DRAWN BY: RBT
APPROVED BY: SEW
FILE NAME: 10178 BASE
DRAWING SCALE: 1"= 400'
PROJECT DATE: APRIL 2005
PROJECT NUMBER: 10178.00.CA
PLOT DATE:

WK DICKSON
Engineers • Planners • Surveyors
Landscape Architects

501 COMMERCE DRIVE NE
COLUMBIA, SC 29223
(803) 786–4261

Atlanta, GA
Charlotte, NC
Columbia, SC
Hickory, NC
Raleigh, NC
Wilmington, NC

RELEASED FOR	DATE
APPROVALS	
BIDDING	
CONSTRUCTION	
RECORD DWG.	

2005

SANTEE COOPER REGIONAL AIRPORT
CLARENDON COUNTY
MANNING, SOUTH CAROLINA

AIRPORT LAYOUT PLAN

2 / 12

D–4024