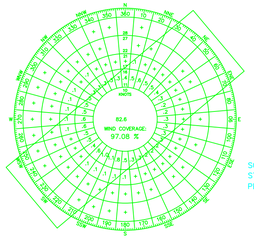


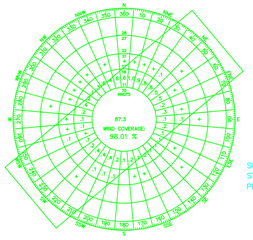
ALL WEATHER

DIRECTION	10.5 KTS/	13 KTS/
23	45.15	46.99
05	39.22	40.49
TOTAL	94.1	97.21
CALMS	9.73	9.73
NOT COVERED	5.9	2.79

NOTE: MAY NOT TOTAL DUE TO ROUNDING

SOURCE: NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
STATION: CHARLESTON
PERIOD COVERED 1991–2000

BERKELEY COUNTY AIRPORT
ALL WEATHER WIND ROSE



IFR (DAY)

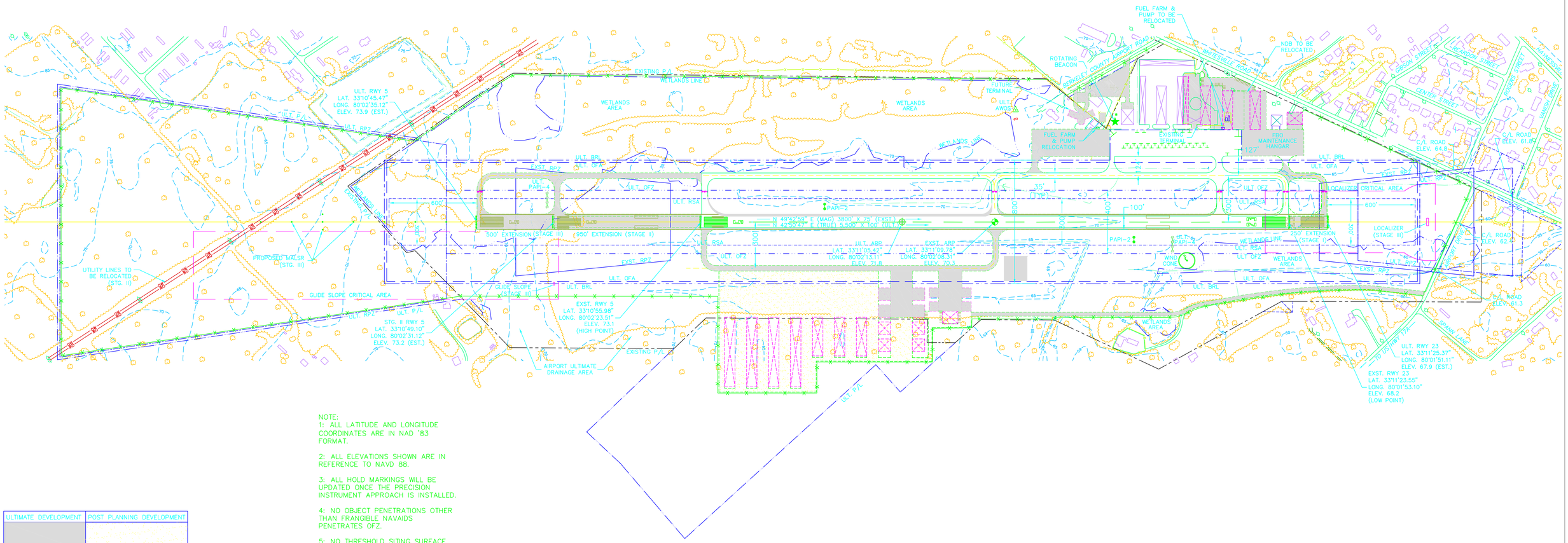
DIRECTION	10.5 KTS/	13 KTS/
23	25.32	26.20
05	62.10	63.52
TOTAL	95.84	98.14
CALMS	8.42	8.42
NOT COVERED	4.16	1.86

NOTE: MAY NOT TOTAL DUE TO ROUNDING

SOURCE: NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
STATION: CHARLESTON
PERIOD COVERED 1991–2000

BERKELEY COUNTY AIRPORT
IFR WEATHER WIND ROSE

MAG. DEC. 6° 52' W (2001)
TRUE



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

2: ALL ELEVATIONS SHOWN ARE IN REFERENCE TO NAVD 88.

3: ALL HOLD MARKINGS WILL BE UPDATED ONCE THE PRECISION INSTRUMENT APPROACH IS INSTALLED.

4: NO OBJECT PENETRATIONS OTHER THAN FRANGIBLE NAVAIDS PENETRATES OFZ.

5: NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.

ULTIMATE DEVELOPMENT	POST PLANNING DEVELOPMENT

RUNWAY DATA

	EXISTING	STAGE I	STAGE II	STAGE III
RUNWAY LENGTH & WIDTH	3,800' X 75'	4,050' X 75'	5,000' X 75'	5,500' X 100'
EFFECTIVE GRADIENT (%)	0.1	0.2	0.2	0.3
SURFACE MATERIAL	ASPHALT	N/C	N/C	N/C
PAVEMENT STRENGTH (IN POUNDS)	12,500 LBS SW 65,000 LBS DW	N/C	N/C	N/C
RUNWAY LIGHTING	MIRL	MIRL	MIRL	HIRL
RUNWAY MARKING	NP	NP	NP	PRECISION
RUNWAY END 05 COORDINATES	LAT: 33° 10' 55.98" N LONG: 80° 02' 23.51" W	N/C	LAT: 33° 10' 49.10" N LONG: 80° 02' 31.12" W	LAT: 33° 10' 45.47" N LONG: 80° 02' 35.12" W
RUNWAY END 23 COORDINATES	LAT: 33° 11' 23.55" N LONG: 80° 01' 53.10" W	LAT: 33° 11' 25.37" N LONG: 80° 01' 51.11" W	N/C	N/C
VISUAL NAVAIDS	RW 5: PAPI-2 RW 23: PAPI-2	N/C	N/C	RW 5: PAPI-4 RW 23: PAPI-4
OBJECT FREE AREA (OFA)	500' X 4,400'	500' X 4,650'	500' X 5,600'	800' X 6,700'
RUNWAY SAFETY AREA (RSA)	150' X 4,400'	150' X 4,650'	150' X 5,600'	300' X 6,700'
RUNWAY PROTECTION ZONE (RPZ) RWY 05	500' X 1,000' X 700'	N/C	N/C	1,000' X 2,500' X 1,750'
RUNWAY PROTECTION ZONE (RPZ) RWY 23	500' X 1,000' X 700'	N/C	N/C	N/C
OBSTICAL FREE ZONE (OFZ)	400' X 4,200'	400' X 4,450'	400' X 5,400'	400' X 5,900'
INSTRUMENT RUNWAY	NP	NP	NP	PRECISION
VISIBILITY MINIMUMS	RW 5: 1 MILE RW 23: VISUAL	RW 5: N/C RW 23: 1 MILE	N/C N/C	RW 5: 1/2 MILE N/C

GENERAL DATA

	EXISTING	ULTIMATE
AIRPORT REFERENCE CODE	B-II	B-II
ESTABLISHED AIRPORT ELEV.	73'	74'
MEAN DAILY MAX. TEMPERATURE	89°	N/C
TAXIWAY PVT. STRENGTH (IN POUNDS)	20,000 LBS. DW	65,000 LBS. DW
APRON PAVEMENT STRENGTH (IN POUNDS)	20,000 LBS. DW	65,000 LBS. DW
TAXIWAY LIGHTING	MITL	MITL
AIRPORT REFERENCE POINT (ARP)	LAT: 33° 11' 09.78" N LONG: 80° 02' 08.31" W	LAT: 33° 11' 05.42" N LONG: 80° 02' 13.11" W
PART 77 APPROACH ZONE– RUNWAY 05	500' X 3500' X 10,000'	1,000' X 16,000' X 50,000'
PART 77 APPROACH ZONE – RUNWAY 23	500' X 1,500' X 5,000'	1,000' X 4,000' X 10,000'
PART 77 APPROACH SLOPE – RUNWAY 05	34:1	50:1
PART 77 APPROACH SLOPE – RUNWAY 23	20:1	34:1
AIRPORT AND TERMINAL NAVAIDS	ROTATING BEACON, NDB	ROTATING BEACON, NDB, AWOS
WIND COVERAGE	ALL WEATHER (97.21%) IFR (98.14%)	N/C
CRITICAL AIRCRAFT	FALCON 20	GULFSTREAM GI

LEGEND

	EXISTING	PROPOSED
PROPERTY LINE		
BUILDING RESTRICTION LINE (BRL)		
RUNWAY PROTECTION ZONE (RPZ)		
PAVEMENT		
BUILDINGS		
FENCING	X X X	X X X
GROUND CONTOUR	180	N/A
WOODED AREA		N/A
WETLANDS LINE (EXST. AIRPORT PROP.)		N/A
DITCH/CREEK		N/A
AIRPORT REFERENCE POINT		
RUNWAY SAFETY AREA (RSA)		
OBSTACLE FREE ZONE (OFZ)		
OBJECT FREE AREA (OFA)		
THRESHOLD LIGHTS / MALSR		
EASEMENT LINE		

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

_____ DATE _____
JAMES H. ROZIER, JR.
BERKELEY COUNTY SUPERVISOR

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.

GRAPHIC SCALE
300 0 150 300 600 1200
(IN FEET)
1 inch = 300 ft.

REV. NO.	DESCRIPTION	DATE
1	PER FAA COMMENTS	2/2002

REVISIONS

PROJECT MANAGER: GAV
DRAWN BY: RBT
APPROVED BY: JAC
FILE NAME: 00293Alp
DRAWING SCALE: 1"= 300'
PROJECT DATE: 9/2001
PROJECT NUMBER: 00293.30
PLOT DATE:

WK DICKSON
Engineers • Planners • Surveyors
Landscape Architects

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

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

RELEASED FOR	DATE
APPROVALS	
BIDDING	
CONSTRUCTION	
RECORD DWG.	

2002

BERKELEY COUNTY AIRPORT
MONCKS CORNER, SOUTH CAROLINA

AIRPORT LAYOUT PLAN

2
9

D-3736