IFR WIND ROSE

WIND COVERAGE

KNOTS	R/W 18/36
10.5	91.3 %
13	95.6 %
16	98.5 %
20	99.7 %

ALL WEATHER WIND ROSE

WIND COVERAGE

KNOTS	R/W 18/36
10.5	91.8 %
13	95.0 %
16	98.5 %
20	99.4 %

WIND ROSE BASED ON OBSERVATIONS
TAKEN AT MYRTLE BEACH A.F.B.,
MYRTLE BEACH, SOUTH CAROLINA
OBSERVATIONS MADE OVER THE PERIOD
NOV. 1942 – JUNE 1947 ; JAN. 1949 – FEB. 1967
SCOURCE: NATIONAL CLIMATIC CENTER – ASHVILLE, N.C.

LEGEND

	EXISTING	FUTURE
RUNWAY OBJECT FREE AREA	OFA	OFA
RUNWAY SAFETY AREA	RSA	RSA
TAXIWAY OBJECT FREE AREA	TOFA	TOFA
AIRPORT PROPERTY LINE		
SECURITY FENCE		
BUILDINGS		
PAVEMENT EDGES		
DEMOLITION/RELOCATION		
ASR-9 CRITICAL AREA		
OBSTRUCTION LIGHTS		
ROTATING BEACON		
GUIDESLOPE\LOCALIZER CRITICAL AREA		
R/W END IDENTIFIER LIGHTS (REILs)		
AIRPORT REFERENCE POINT		
WIND CONE SEGMENTED CIRCLE		
CENTERLINE LIGHTS		
ULTIMATE CONSTRUCTION		
RAMP/APRON CONSTRUCTION		

	EXISTING		FUTURE			
	R/W 18C	R/W 36C	R/W 18C	R/W 36C	R/W 18R	R/W 36L
PAVEMENT TYPE	ASPHALT CONCRETE	ASPHALT CONCRETE	ASPHALT	ASPHALT	ASPHALT	ASPHALT
PAVEMENT STRENGTH (LBS)	S-75, D-175, DT-325, DDT-650	S-75, D-175, DT-325, DDT-650	S-75, D-175, DT-325, DDT-650	S-75, D-175, DT-325, DDT-650	S-75, D-175, DT-325, DDT-650	S-75, D-175, DT-325, DDT-650
APPROACH SURFACES	50:1	50:1	50:1	50:1	50:1	34:1
RUNWAY LIGHTING	HIRL	HIRL	HIRL CL LIGHTS	HIRL CL LIGHTS	HIRL	HIRL
RUNWAY MARKING	PRECISION	PRECISION	PRECISION	PRECISION	PRECISION	NON-PRECISION
VISUAL APPROACH AIDS	PAPI, SALSR	PAPI, SALSS	PAPI, SALSR	PAPI, MALSR	PAPI, MALSR	PAPI, REILS
DESIGNATED INSTRUMENT R/W	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT
GRADIENT (%)	0.007%	0.007%	0.007%	0.007%	0.0%	0.0%
R/W END LATITUDE	33° 41' 33.106" N	33° 40' 01.07" N	33° 41' 42.82" N	33° 40' 01.07" N	33° 41' 38.75" N	33° 40' 40.65" N
DISP. THRESHOLD LATITUDE	N/A	N/A	N/A	N/A	N/A	N/A
R/W END LONGITUDE	78° 55' 53.39" W	78° 55' 30.41" W	78° 55' 55.82" W	78° 55' 30.41" W	78° 56' 18.985" W	78° 56' 04.43" W
DISP. THRESHOLD LONGITUDE	N/A	N/A	N/A	N/A	N/A	N/A
END ELEVATION (MSL)	23.6' MSL	23.01' MSL	30' MSL	23.01' MSL	28' MSL	28' MSL
NAVAIDS	ILS	ILS	ILS	ILS	ILS	– – –
LINE OF SIGHT	YES	YES	YES	YES	YES	YES
ARC	D-IV	D-IV	D-IV	D-IV	D-II	D-II
CRITICAL AIRCRAFT	DC-10-40	DC-10-40	DC-10-40	DC-10-40	CRJ-100	CRJ-100
LENGTH OF HAUL (MILES)	3,000	3,000	4,450	4,450	1,000	1,000
RSA DIMENSIONS (FEET) WIDTH, LENGTH	500 x 11,500	500 x 11,500	500 x 12,500	500 x 12,500	500 x 8,000	500 x 8,000
OFA DIMENSIONS (FEET) WIDTH, LENGTH	800 x 11,500	800 x 11,500	800 x 12,500	800 x 12,500	800 x 8,000	800 x 8,000
OFZ DIMENSIONS (FEET) WIDTH, LENGTH	550 x 9,900	550 x 9,900	550 x 10,900	550 x 10,900	550 x 6,400	550 x 6,400
RUNWAY DIMENSIONS	9,500 x 150	9,500 x 150	10,500 x 150	10,500 x 150	6,000 x 150	6,000 x 150
VISIBILITY MINIMUMS	1/2 MILE	1/2 MILE	1/2 MILE	CAT II / III	1/2 MILE	3/4 MILE

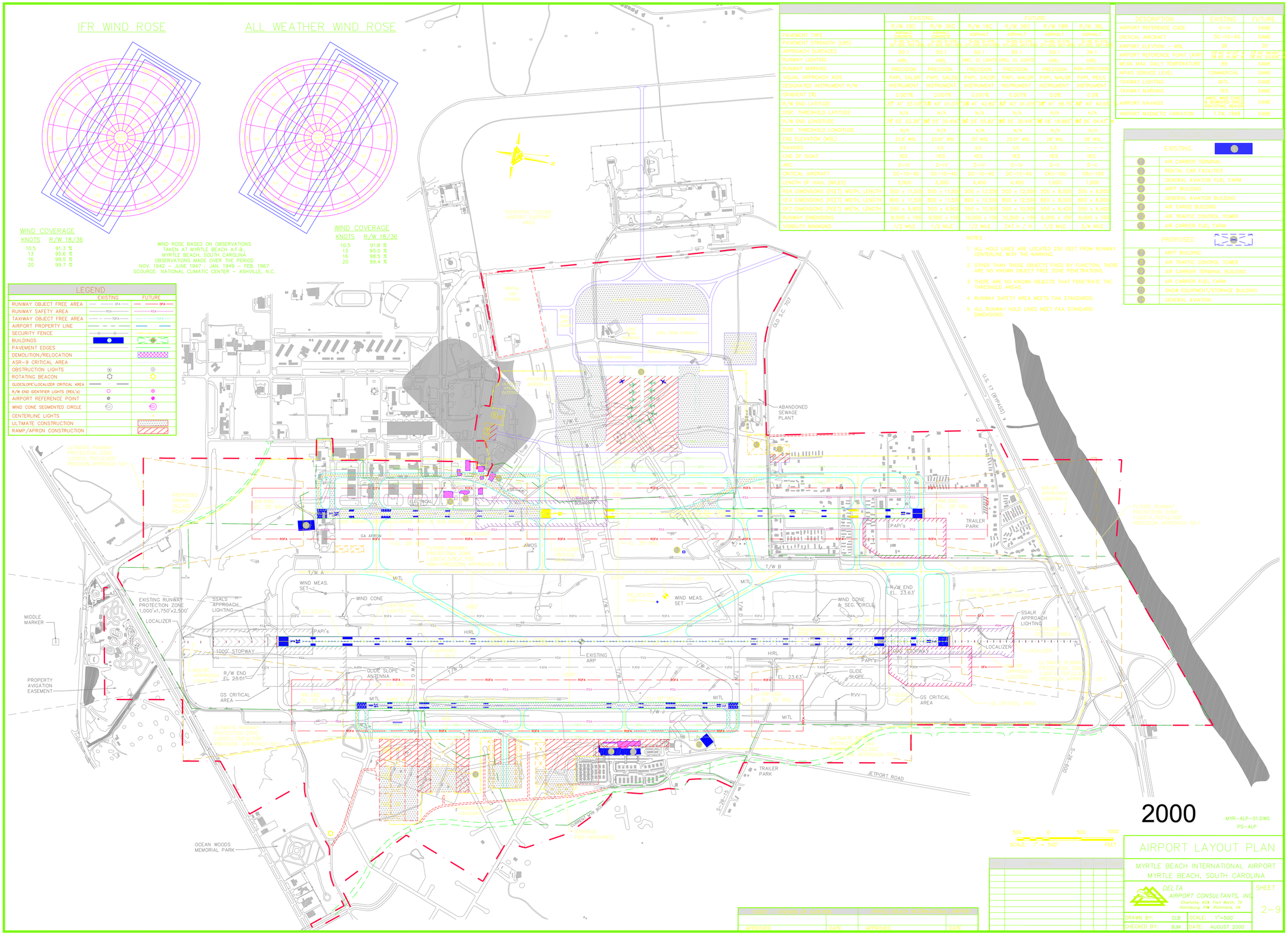
DESCRIPTION	EXISTING	FUTURE
AIRPORT REFERENCE CODE	D-IV	SAME
CRITICAL AIRCRAFT	DC-10-40	SAME
AIRPORT ELEVATION – MSL	26	30
AIRPORT REFERENCE POINT (ARP)	33° 40' 59.60" N 78° 55' 41.90" W	33° 40' 59.40" N 78° 55' 53.50" W
MEAN MAX. DAILY TEMPERATURE	89	SAME
NPIAS SERVICE LEVEL	COMMERCIAL	SAME
TAXIWAY LIGHTING	MITL	SAME
TAXIWAY MARKING	YES	SAME
AIRPORT NAVAIDS	AWOS, WIND CONES & SEGMENTED CIRCLE, ROTATING BEACON	SAME
AIRPORT MAGNETIC VARIATION	7.7W, 1999	SAME

EXISTING	
	AIR CARRIER TERMINAL
	RENTAL CAR FACILITIES
	GENERAL AVIATION FUEL FARM
	ARFF BUILDING
	GENERAL AVIATION BUILDING
	AIR CARGO BUILDING
	AIR TRAFFIC CONTROL TOWER
	AIR CARRIER FUEL FARM

PROPOSED	
	ARFF BUILDING
	AIR TRAFFIC CONTROL TOWER
	AIR CARRIER TERMINAL BUILDING
	AIR CARRIER FUEL FARM
	SNOW EQUIPMENT/STORAGE BUILDING
	GENERAL AVIATION

NOTES

1. ALL HOLD LINES ARE LOCATED 250 FEET FROM RUNWAY CENTERLINE WITH THE MARKING.
2. OTHER THAN THOSE OBJECTS FIXED BY FUNCTION, THERE ARE NO KNOWN OBJECT FREE ZONE PENETRATIONS.
3. THERE ARE NO KNOWN OBJECTS THAT PENETRATE THE THRESHOLD AREAS.
4. RUNWAY SAFETY AREA MEETS FAA STANDARDS.
5. ALL RUNWAY HOLD LINES MEET FAA STANDARD DIMENSIONS.



2000

MYR-ALP-01.DWG
PS-ALP

500 0 500 1000
SCALE: 1" = 500' FEET

AIRPORT LAYOUT PLAN

MYRTLE BEACH INTERNATIONAL AIRPORT
MYRTLE BEACH, SOUTH CAROLINA

DELTA AIRPORT CONSULTANTS, INC.
Charlotte, NC ♦ Fort Worth, TX
Harrisburg, PA ♦ Richmond, VA

SHEET 2-9

DRAWN BY: CLB | SCALE: 1"=500'
CHECKED BY: BJM | DATE: AUGUST 2000

NO.	BY	APPROVED	DATE

SPONSOR: DIVISION OF AVIATION		AIRPORT: MYRTLE BEACH INTERNATIONAL AIRPORT	
APPROVED	DATE	APPROVED	DATE