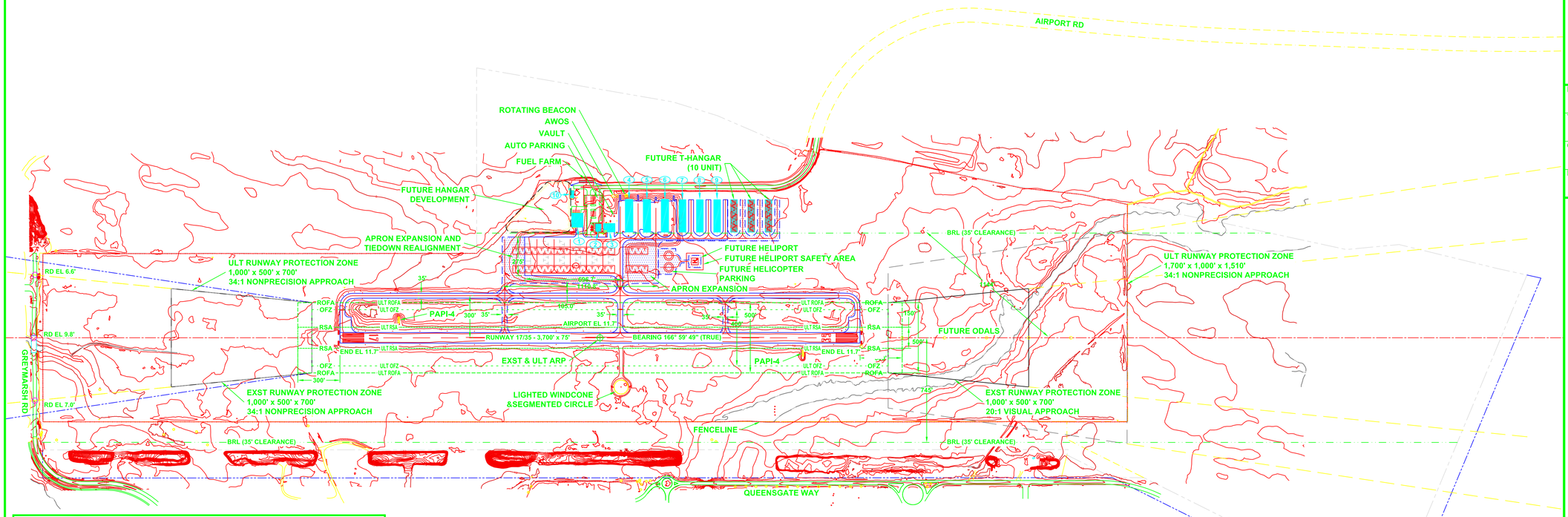
2008

LEGEND		
DESCRIPTION	EXISTING	ULTIMATE
FENCE		
AIRPORT PAVEMENT		
PROPERTY LINE		
GROUND CONTOURS	10	
AIRPORT REFERENCE POINT (ARP)		
BUILDINGS		
WATER		
RUNWAY SAFETY AREA	RSA	ULT RSA
RUNWAY OBJECT FREE AREA	ROFA	ULT ROFA
OBJECT FREE ZONE	OFZ	ULT OFZ
BUILDING RESTRICTION LINE		BRL
THRESHOLD LIGHTS		
AVIGATION EASEMENT		

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.



MAGNETIC DECLINATION
7° 21' W
(SEPTEMBER 2007)
RATE OF CHANGE = 0° 3' W PER YEAR

400 0 400 800 1,200
SCALE IN FEET

RUNWAY DATA

STAGE		EXISTING		ULTIMATE	
RUNWAY		17	35	17	35
RUNWAY LENGTH		3,700'	3,700'	NO CHANGE	NO CHANGE
DISPLACED THRESHOLD		NONE	NONE	NO CHANGE	NO CHANGE
TORA		N/A	N/A	NO CHANGE	NO CHANGE
TODA		N/A	N/A	NO CHANGE	NO CHANGE
ASDA		N/A	N/A	NO CHANGE	NO CHANGE
LDA		N/A	N/A	NO CHANGE	NO CHANGE
RUNWAY WIDTH		75'	75'	NO CHANGE	NO CHANGE
PAVEMENT TYPE		ASPHALT	ASPHALT	NO CHANGE	NO CHANGE
PAVEMENT LOADING (THOUSANDS)		S-12.5	S-12.5	NO CHANGE	NO CHANGE
RUNWAY LIGHTING		MIRL	MIRL	NO CHANGE	NO CHANGE
RUNWAY MARKINGS		NONPRECISION	NONPRECISION	NO CHANGE	NO CHANGE
APPROACH LIGHTING		NONE	NONE	NO CHANGE	ODALS
TAXIWAY WIDTH		35'	35'	NO CHANGE	NO CHANGE
TAXIWAY LIGHTING		MITL	MITL	NO CHANGE	NO CHANGE
AIRCRAFT APPROACH CATEGORY		B	B	NO CHANGE	NO CHANGE
AIRPLANE DESIGN GROUP		II	II	NO CHANGE	NO CHANGE
CRITICAL AIRCRAFT		KING AIR B200	KING AIR B200	NO CHANGE	NO CHANGE
RUNWAY END ELEVATION (NAVD 88)		11.7' AMSL	11.7' AMSL	NO CHANGE	NO CHANGE
DISPLACED THRESHOLD ELEVATION (NAVD 88)		N/A	N/A	NO CHANGE	NO CHANGE
EFFECTIVE GRADIENT		0.000%	0.000%	NO CHANGE	NO CHANGE
TOUCHDOWN ZONE ELEVATION (NAVD 88)		11.7' AMSL	11.7' AMSL	NO CHANGE	NO CHANGE
APPROACH VISIBILITY MINIMUMS		1 MILE	VISUAL	NO CHANGE	3/4 MILE
NAVIGATIONAL AND VISUAL AIDS		PAPI-4, RNAV, VOR/DME, GPS	PAPI-4	NO CHANGE NO CHANGE	PAPI-4, ODALS, GPS/LPV
APPROACH SLOPE		34:1	20:1	NO CHANGE	34:1
FAR PART 77 CATEGORY		C	B	NO CHANGE	D
RUNWAY PROTECTION ZONE (RPZ)	LENGTH	1,000'	1,000'	NO CHANGE	1,700'
	WIDTH 1	500'	500'	NO CHANGE	1,000'
	WIDTH 2	700'	700'	NO CHANGE	1,510'
OBJECT FREE AREA (OFA) WIDTH		500'	500'	NO CHANGE	NO CHANGE
OFA LENGTH BEYOND RUNWAY END		300'	300'	NO CHANGE	NO CHANGE
RUNWAY SAFETY AREA (RSA) WIDTH		ACTL 120'/REQD 150'	ACTL 120'/REQD 150'	150'	150'
RSA LENGTH PRIOR TO LANDING THRESHOLD		ACTL 240'/REQD 300'	ACTL 240'/REQD 300'	300'	300'
RSA LENGTH BEYOND RUNWAY END		ACTL 240'/REQD 300'	ACTL 240'/REQD 300'	300'	300'
OBSTACLE FREE ZONE (OFZ) WIDTH		400'	400'	NO CHANGE	NO CHANGE
OFZ LENGTH BEYOND RUNWAY END		200'	200'	NO CHANGE	NO CHANGE
RUNWAY END (NAD 83)	LATITUDE	32° 54' 10.05" N	32° 53' 34.38" N	NO CHANGE	NO CHANGE
	LONGITUDE	79° 47' 03.18" W	79° 46' 53.41" W	NO CHANGE	NO CHANGE
DISPLACED THRESHOLD (NAD 83)	LATITUDE	N/A	N/A	NO CHANGE	NO CHANGE
	LONGITUDE	N/A	N/A	NO CHANGE	NO CHANGE

MODIFICATIONS TO STANDARDS

DESCRIPTION	CRITERIA	STANDARD	REQUESTED	EXISTING	FAA APPROVAL
N/A	-	-	-	-	-

BUILDING TABLE

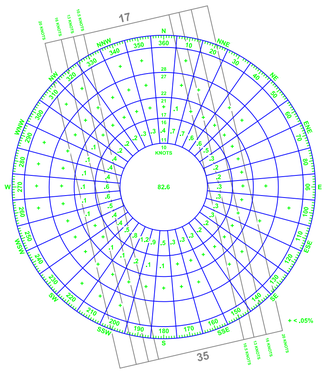
#	DESCRIPTION	TOP ELEV.	#	DESCRIPTION	TOP ELEV.
1	HANGAR	38.3' AMSL			
2	TERMINAL (UNDER CONST.)	29.0' AMSL			
3	HANGAR/OFFICES	38.3' AMSL			
4	T-HANGAR (10 UNIT)	27.0' AMSL			
5	T-HANGAR (10 UNIT)	27.6' AMSL			
6	T-HANGAR (10 UNIT)	27.6' AMSL			
7	T-HANGAR (10 UNIT)	27.6' AMSL			
8	T-HANGAR (10 UNIT)	27.6' AMSL			
9	T-HANGAR (10 UNIT)	27.6' AMSL			
10	STORAGE BUILDING	24.1' AMSL			

AIRPORT DATA

CITY: MOUNT PLEASANT COUNTY: CHARLESTON STATE: SOUTH CAROLINA

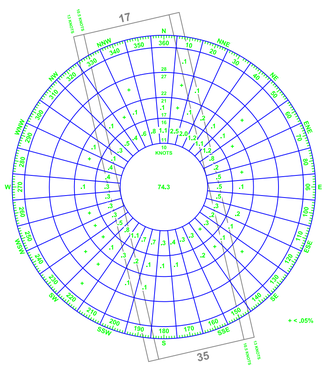
DESCRIPTION		EXISTING	ULTIMATE
AIRPORT ELEVATION (NAVD 88)		11.7' AMSL	NO CHANGE
MEAN MAXIMUM TEMPERATURE (JULY)		90° F	NO CHANGE
MAGNETIC DECLINATION (2007)		7° 21' W	0° 3' W / YEAR
AIRPORT REFERENCE POINT (NAD 83)	LAT.	32° 53' 52.20" N	NO CHANGE
	LONG.	79° 46' 58.30" W	NO CHANGE
AIRPORT REFERENCE CODE		B-II	NO CHANGE
CRITICAL AIRCRAFT		KING AIR B200	NO CHANGE
AIRPORT & TERMINAL NAVAIDS		VOR/DME, RNAV, GPS	VOR/DME, RNAV, GPS, GPS/LPV
SERVICE LEVEL		GENERAL AVIATION	NO CHANGE

All Weather Wind Rose



WIND COVERAGE	12 MPH / 10.5 KNOTS	15 MPH / 13 KNOTS	18 MPH / 16 KNOTS
RUNWAY 17/35	92.72%	96.42%	99.28%

IFR Wind Rose



WIND COVERAGE	12 MPH / 10.5 KNOTS	15 MPH / 13 KNOTS
RUNWAY 17 *	54.36%	57.39%
RUNWAY 35 *	79.05%	82.41%
RUNWAY 17/35	90.32%	95.20%

* BASED ON A 5 KNOT TAILWIND COMPONENT

SOURCE: NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NC
83052 OBSERVATIONS MADE OVER THE PERIOD
1957-2006 STATION 72208 CHARLESTON IAP, SC, US

MT. PLEASANT REGIONAL AIRPORT

MT. PLEASANT, SOUTH CAROLINA

THE LPA GROUP
TRANSPORTATION CONSULTANTS

Columbia, SC • Headquarters • West Columbia, SC • Greenville, SC
Rock Hill, SC • Charleston, SC • Charlotte, NC • Greensboro, NC
Raleigh, NC • Apex, NC • Atlanta, GA • Baton Rouge, LA • Mobile, AL
Little Rock, AR • Knoxville, TN • Tampa, FL • Tallahassee, FL • Orlando, FL
West Palm Beach, FL • Sarasota, FL • Jacksonville, FL

Designer: TGM
Technician: TGM
Checked by: JD, RL
Project Number: PL008197

APPROVALS
CHARLESTON COUNTY AVIATION AUTHORITY
BY:
TITLE:
DATE:

NOTES

1. ALL EXISTING / ULTIMATE HOLDING POSITION MARKINGS FOR RUNWAY/TAXIWAY INTERSECTIONS ARE 200' FROM RUNWAY CENTERLINE AND PERPENDICULAR TO TAXIWAY CENTERLINE.
2. COORDINATES SHOWN HEREON ARE IN NAD83.
3. ELEVATIONS SHOWN HEREON ARE IN NAVD88 AND ARE ABOVE MEAN SEA LEVEL (AMSL).
4. SEE AIRPORT PROPERTY MAP FOR PROPERTY LINE METES AND BOUNDS.
5. NO OFZ OBJECT PENETRATIONS.
6. NO THRESHOLD SITING PENETRATIONS.
7. THE BRL AS SHOWN IS BASED ON A CLEARANCE OF 35' ABOVE THE RUNWAY CENTERLINE.

REVISIONS

No.	Description	Date	By

Project Name:
AIRPORT LAYOUT PLAN UPDATE

Drawing Name:
AIRPORT LAYOUT DRAWING

FAA A.I.P. Project Number:
3-45-0042-009-2007

Autocad Drawing Reference:
P:\Airport Development\Airport\MT PLEASANT RGNL FA\2008 FILES - 2\SCD\DWG\SHEA\P2008_LA\PLB\CAD\ALP\D-Airport Layout.dwg Last Modified: May 15, 2014 - 4:44pm by dsmith

Date: JUNE 2008
Division: PLANNING
Scale: 1" = 400'
Drawing Number: 2