

RUNWAY SAFETY AREAS			
ABBR.	RUNWAY	EXISTING	
		5	23
RPZ	RUNWAY PROTECTION ZONE	500' x 1010' x 1700'	1000' x 1750' x 2500'
RSA	RUNWAY SAFETY AREA	1000' x 800'	1000' x 500'
ROFA	RUNWAY OBJECT FREE AREA	1000' x 800'	1000' x 800'
OFZ	OBSTACLE FREE ZONE	400' x 200'	400' x 200'
POFZ	PRECISION OBSTACLE FREE ZONE	N/A	200' x 800'
AS	FAR PART-77 APPROACH SURFACE	1000' x 3500' x 10,000' ²	1000' x 16,000' x 50,000'
	THRESHOLD SITING SURFACE CATEGORY	CAT 4	CAT 5
TSS	THRESHOLD SITING SURFACE DIMENSION	400' x 3400' x 10,000'	800' x 3400' x 10,000'
	THRESHOLD SITING SURFACE SLOPE	20:1	34:1
NOTE:			
1. RUNWAY SAFETY AREAS (RSA, ROFA, OFZ) RUN THE ENTIRE LENGTH OF THE RUNWAY WHILE THE DIMENSIONS SHOWN ARE FOR LENGTHS BEYOND THE RUNWAY END.			
2. THE EXISTING RWY 5 FAR PART-77 APPROACH SURFACE INNER WIDTH DIMENSION CORRESPONDS TO THE WIDTH OF THE PRIMARY SURFACE WHICH IS REGULATED BY THE RWY 23 FAR PART-77 APPROACH SURFACE.			

RUNWAY DATA			
ABBR.	DESCRIPTION	EXISTING	
		5	23
	END COORDINATE - LATITUDE	33° 48' 21.71" N	33° 49' 2.87" N
	END COORDINATE - LONGITUDE	078° 43' 51.79" W	078° 43' 0.59" W
EL	ELEVATION	31.3'	29'
STA	STATION	10+00	69+97
	TRUE BEARING	N 46° 04' 15.05" W	N 46° 04' 15.05" W
	APPROACH TYPE	NON-PRECISION	PRECISION
	TOUCHDOWN ZONE ELEVATION	31.4'	29.4'
	DISPLACED THRESHOLD	N/A	N/A
	DISPLACED THRESHOLD - LATITUDE	N/A	N/A
	DISPLACED THRESHOLD - LONGITUDE	N/A	N/A
	DISPLACED THRESHOLD - ELEVATION	N/A	N/A
NOTE:			
1. RUNWAY COORDINATES TAKEN FROM FAA MASTER RECORD.			

RUNWAY DIMENSIONAL INFORMATION			
ABBR.	DESCRIPTION	EXISTING	
		5	23
RWY	RUNWAY LENGTH	5997'	5,997'
	RUNWAY WIDTH	100'	100'
	RUNWAY SHOULDER WIDTH	0'	0'
TDG	TAXIWAY DESIGN GROUP	3	3
TWY	TAXIWAY WIDTH	50'	50'
TLN	TAXILANE WIDTH	N/A	N/A
TESM	TAXIWAY EDGE SAFETY MARGIN	7.5'	7.5'
	TAXIWAY SHOULDER WIDTH	15'	15'
TSA	TAXIWAY SAFETY AREA WIDTH	79'	79'
TOFA	TAXIWAY OBJECT FREE AREA WIDTH	131'	131'
	TAXILANE OBJECT FREE AREA WIDTH	115'	115'
	RWY CLINE TO TWY HOLD LINE	250'	250'
	RWY CLINE TO TWY CLINE	300'	200'
BRL	RWY CLINE TO BUILDING RESTRICTION LINE	745'	745'
NOTE:			
1. THE LOCATION OF THE "BRL" IS DEPENDENT UPON THE SELECTED ALLOWABLE STRUCTURE HEIGHT WHICH IS 35 FEET.			
2. UNLESS OTHERWISE NOTED, THE DISTANCE FROM TAXIWAY CENTERLINE TO AIRCRAFT PARKING IS THE SAME AS THE TAXIWAY OBJECT FREE AREA DIMENSION.			

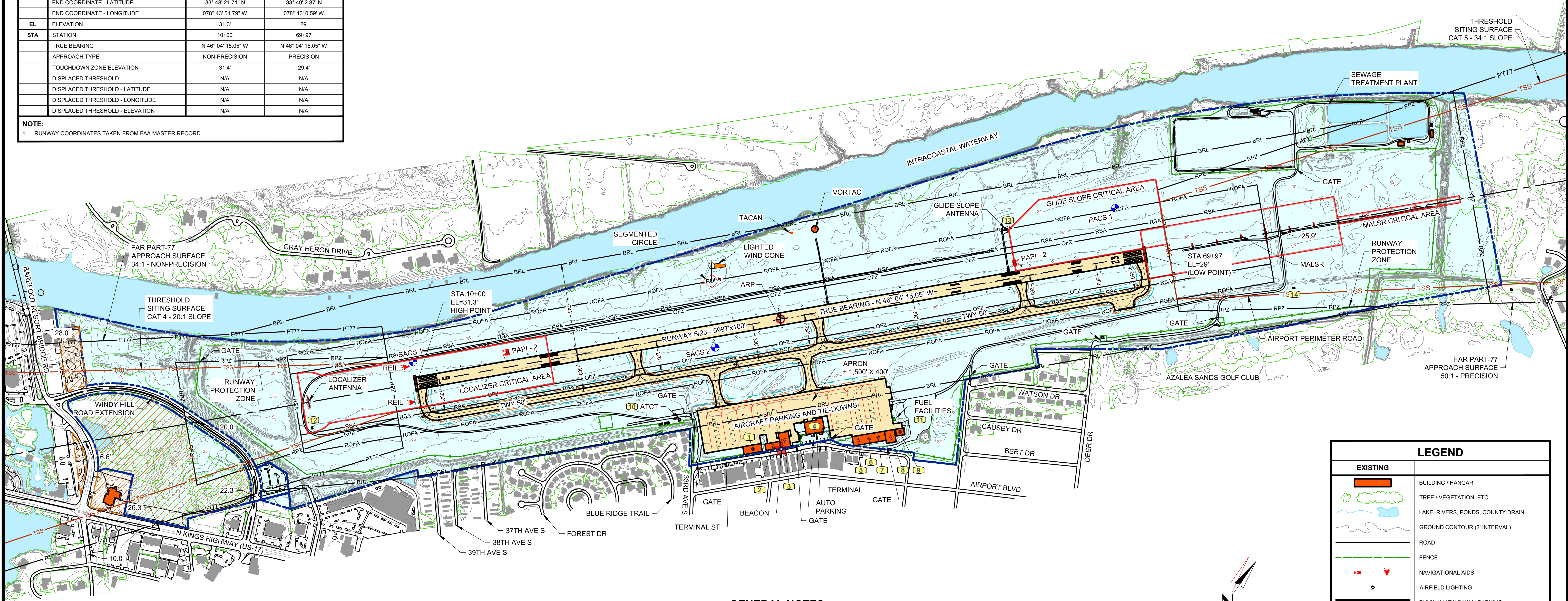
BUILDING DATA TABLE		
NO.	DESCRIPTION	TOP EL.
1	STORAGE HANGAR 1	56.5'
2	BARNSTORMER HANGAR	51.3'
3	OLD LARGE HANGAR	57.3'
4	TERMINAL / HANGAR 4	60.2'
5	MAINTENANCE HANGAR	54.4'
6	HANGAR 6	54.4'
7	LARGE HANGAR 7	54.4'
8	HANGAR 8	54.4'
9	SHEPHERD HANGAR 9	49.2'
10	AIR TRAFFIC CONTROL TOWER	88.3'
11	FUEL FACILITIES	39.7'
12	LOCALIZER EQUIPMENT SHELTER	39.8'
13	GLIDE SLOPE EQUIPMENT SHELTER	35.8'
14	MALSR EQUIPMENT SHELTER	34.5'
NOTE:		
1. TOP ELEVATION IS IN 'AMSL' OR 'ABOVE MEAN SEA LEVEL'.		

SURVEY INFORMATION					
POINT	LATITUDE	LONGITUDE	EL.	STATION	OFFSET
PACS 1	33° 49' 04.69" N	78° 43' 05.43" N	24.3	68+30	414' L
SACS 1	33° 48' 22.96" N	78° 43' 53.22" N	29.0	10+00	174' L
SACS 2	33° 48' 37.47" N	78° 43' 29.89" N	27.0	34+34	135' R
NOTE:					
1. MULTIPLE SURVEY POINTS FOUND THROUGHOUT AIRPORT PROPERTY. SEE NATIONAL GEODETIC SURVEY FOR MORE INFORMATION.					

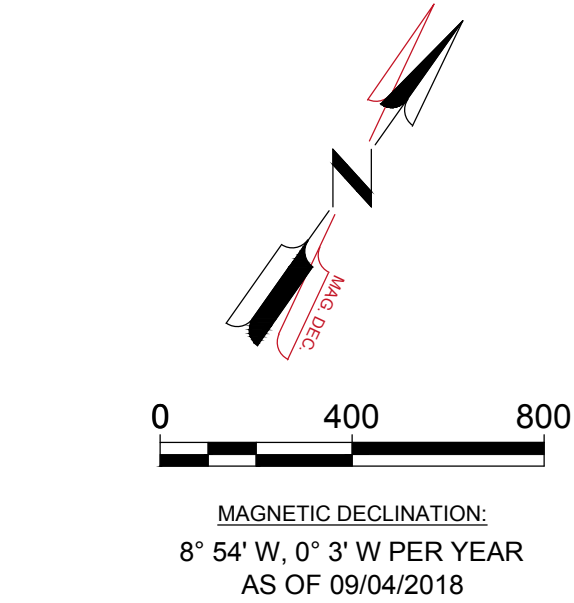


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LEGEND	
EXISTING	
	BUILDING / HANGAR
	TREE / VEGETATION, ETC.
	LAKE, RIVERS, PONDS, COUNTY DRAIN
	GROUND CONTOUR (2' INTERVAL)
	ROAD
	FENCE
	NAVIGATIONAL AIDS
	AIRFIELD LIGHTING
	RUNWAY / TAXIWAY / PARKING
	RUNWAY MARKING
	CENTERLINE
	FAR PART-77 APPROACH SURFACE
	THRESHOLD SITING SURFACE
	RUNWAY PROTECTION ZONE
	RUNWAY SAFETY AREA
	OBSTACLE FREE ZONE
	RUNWAY OBJECT FREE AREA
	BUILDING RESTRICTION LINE
	TAXIWAY SAFETY AREA
	TAXIWAY OBJECT FREE AREA
	AIRPORT PROPERTY LINE
	LAND RELEASE



AIRPORT REFERENCE POINT (ARP)	
DESCRIPTION	EXISTING
LATITUDE	33° 48' 42.3" N
LONGITUDE	078° 43' 26.2" W
ELEVATION	31.4'

GENERAL NOTES:

- AIRPORT PROPERTY IS LOCATED WITHIN HORRY COUNTY, SOUTH CAROLINA.
- BASE INFORMATION, INCLUDING AERIAL, PROVIDED BY WOOLPERT (OCTOBER 2017) AND SUPPLEMENTED WITH FIELD SURVEY DATA PROVIDED BY MEAD & HUNT, INC. WHERE NECESSARY.
- THE NORTH MAGNETIC DECLINATION WAS CALCULATED USING INFORMATION FOUND ON WWW.NGDC.NOAA.GOV/GEOMAG-WEB/. #DECLINATION. THESE CALCULATED FIGURES ARE BASED ON THE INTERNATIONAL GEOMAGNETIC REFERENCE FIELD MODEL, VERSION 11. DECLINATION AND VARIANCE CALCULATED: 09/04/2018.
- ADDITIONAL INFORMATION RELATED TO THE TERMINAL AND HANGAR DEVELOPMENT AREAS, TAXILANES, HOLD LINES, AND BUILDINGS CAN BE FOUND ON THE "TERMINAL AREA PLAN" SHEET.
- FENCE SURROUNDING THE AIRPORT IS COMPOSED PRIMARILY OF: AN 8' CHAIN LINK FENCE ALONG THE NORTHEAST, EAST, AND SOUTHEAST AREAS ALONG THE PROPERTY LINE.
- APRONS MAY VARY IN SHAPE, THEREFORE, THE SIZE SHOWN IS CALCULATED FROM POINTS THAT MAKE UP THE LARGEST RECTANGULAR SHAPE.
- THE LOCALIZER IS LOCATED 900' FROM THE RUNWAY 5 END AND WITHIN THE 500' x 1000' RUNWAY SAFETY AREA. THIS WILL NEED TO BE ADDRESSED IN A FUTURE RSA DETERMINATION STUDY.
- THERE ARE NO SPECIAL USE AREAS (I.E., AGRICULTURAL SPRAYING, DEICINGS/CONTAINMENT).
- THE NORTH AMERICAN DATUM OF 1983 (NAD83) COORDINATE SYSTEM WAS USED FOR ALL LATITUDE AND LONGITUDE COORDINATES.
- THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) CONTROL SYSTEM WAS USED FOR ALL ELEVATIONS.

GRAND STRAND AIRPORT
AIRPORT LAYOUT PLAN
NORTH MYRTLE BEACH, SOUTH CAROLINA

REVISIONS

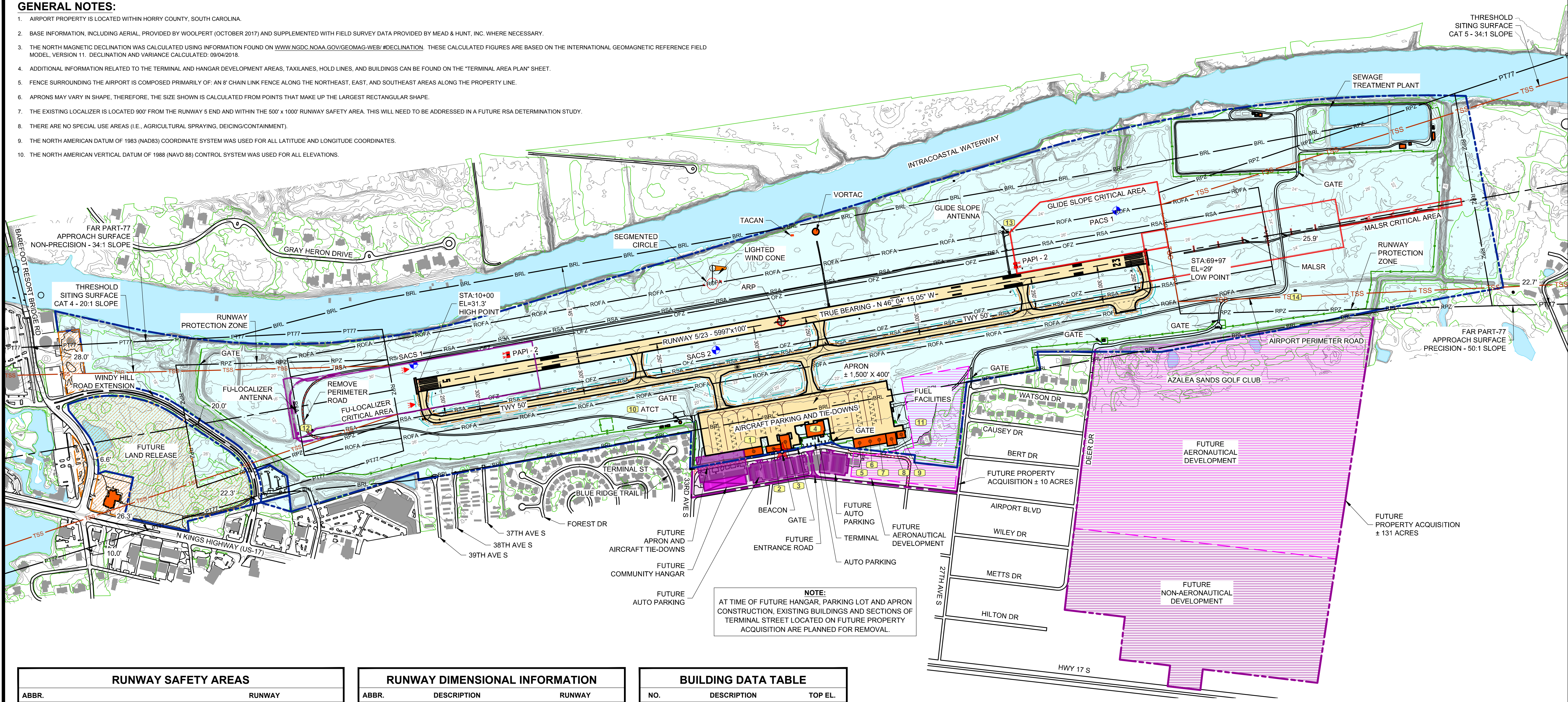
M&H PROJ. NO: 4055600-160019.01
FEDERAL NO: Value
STATE ID: CRE
DATE: 9/18
DESIGNED BY: AEF
DRAWN BY: GAM
CHECKED BY: SADW

DO NOT SCALE DRAWINGS
SHEET CONTENTS
EXISTING AIRPORT
LAYOUT PLAN

SHEET NO.

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NOTE:
AT TIME OF FUTURE HANGAR, PARKING LOT AND APRON CONSTRUCTION, EXISTING BUILDINGS AND SECTIONS OF TERMINAL STREET LOCATED ON FUTURE PROPERTY ACQUISITION ARE PLANNED FOR REMOVAL.

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10	AIR TRAFFIC CONTROL TOWER	88.3'
11	FUEL FACILITIES	39.7'
12	FUTURE LOCALIZER EQUIPMENT SHELTER	TBD
13	GLIDE SLOPE EQUIPMENT SHELTER	35.8'
14	MALSR EQUIPMENT SHELTER	34.5'

NOTE:

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AIRPORT REFERENCE POINT (ARP)	
DESCRIPTION	EXISTING
LATITUDE	33° 48' 42.3" N
LONGITUDE	078° 43' 28.2" W
ELEVATION	31.4'

LEGEND		
FUTURE	EXISTING	
N/A		BUILDING / HANGAR
N/A		TREE / VEGETATION, ETC.
N/A		LAKE, RIVERS, PONDS, COUNTY DRAIN
N/A		GROUND CONTOUR (2' INTERVAL)
N/A		ROAD
N/A		FENCE
N/A		NAVIGATIONAL AIDS
N/A		RUNWAY / TAXIWAY / PARKING
N/A		RUNWAY MARKING
N/A		CENTERLINE
N/A		FAR PART-77 APPROACH SURFACE
N/A		THRESHOLD SITING SURFACE
N/A		RUNWAY PROTECTION ZONE
N/A		RUNWAY SAFETY AREA
N/A		OBSTACLE FREE ZONE
N/A		RUNWAY OBJECT FREE AREA
N/A		BUILDING RESTRICTION LINE
N/A		TAXIWAY SAFETY AREA
N/A		TAXIWAY OBJECT FREE AREA
N/A		AIRPORT PROPERTY LINE
N/A		LAND RELEASE
N/A		AERONAUTICAL DEVELOPMENT
N/A		NON-AERONAUTICAL DEVELOPMENT
N/A		TO BE REMOVED

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GRAND STRAND AIRPORT
AIRPORT LAYOUT PLAN
NORTH MYRTLE BEACH, SOUTH CAROLINA

REVISIONS

M&H PROJ. NO: 4055600-160019.01
FEDERAL NO: Value
STATE ID: CRE
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DESIGNED BY: AEF
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FUTURE AIRPORT
LAYOUT PLAN

SHEET NO.