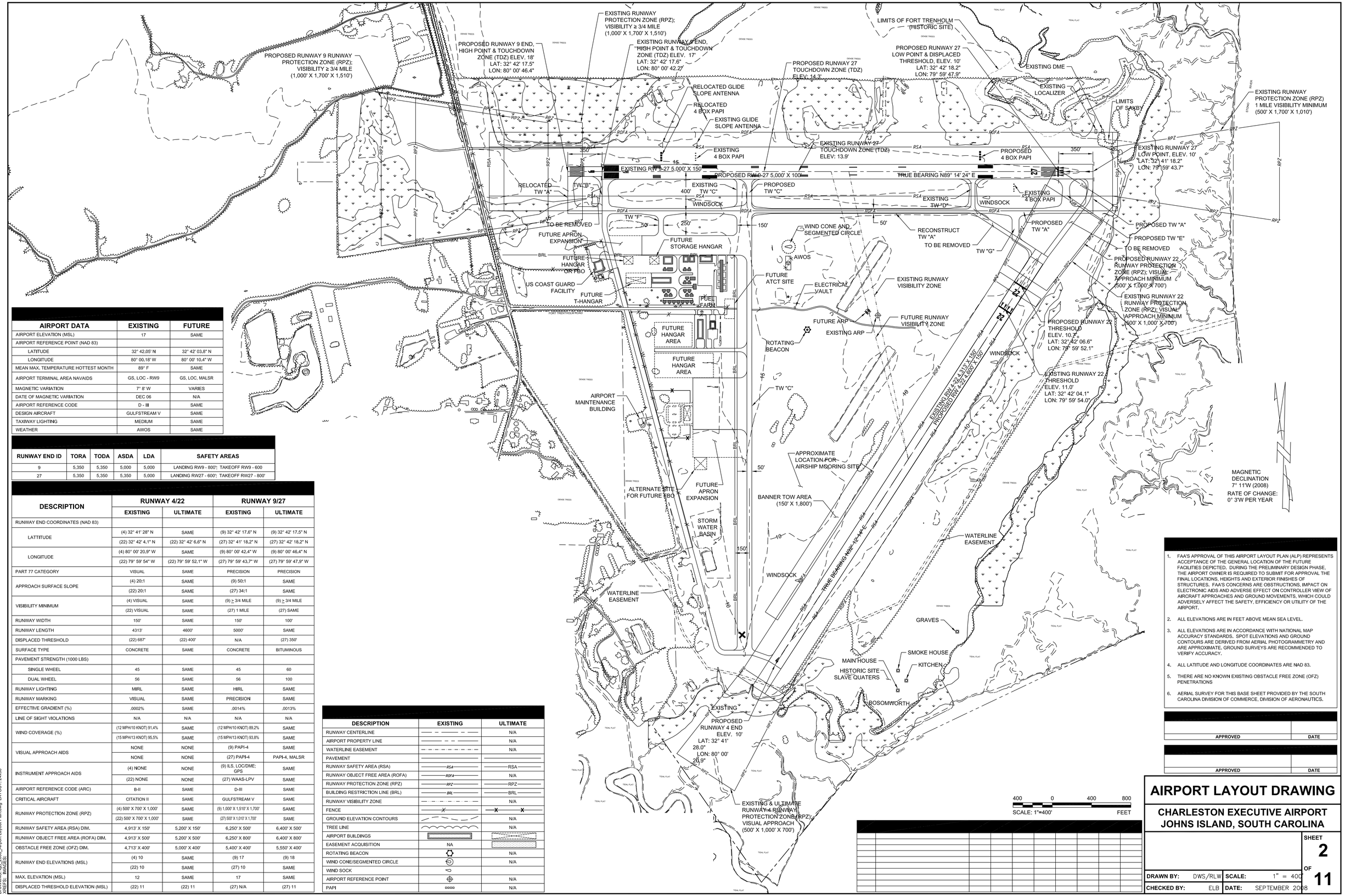

AIRPORT DATA	EXISTING	FUTURE
AIRPORT ELEVATION (MSL)	17	SAME
AIRPORT REFERENCE POINT (NAD 83)		
LATITUDE	32° 42.05' N	32° 42' 03.8" N
LONGITUDE	80° 00.18' W	80° 00' 10.4" W
MEAN MAX. TEMPERATURE HOTTEST MONTH	89° F	SAME
AIRPORT TERMINAL AREA NAVAIDS	GS, LOC - RW9	GS, LOC, MALSR
MAGNETIC VARIATION	7° 8' W	VARIES
DATE OF MAGNETIC VARIATION	DEC 06	N/A
AIRPORT REFERENCE CODE	D - III	SAME
DESIGN AIRCRAFT	GULFSTREAM V	SAME
TAXIWAY LIGHTING	MEDIUM	SAME
WEATHER	AWOS	SAME

RUNWAY END ID	TORA	TODA	ASDA	LDA	SAFETY AREAS
9	5,350	5,350	5,000	5,000	LANDING RW9 - 800'; TAKEOFF RW9 - 600
27	5,350	5,350	5,350	5,000	LANDING RW27 - 600'; TAKEOFF RW27 - 800'

DESCRIPTION	RUNWAY 4/22		RUNWAY 9/27	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
RUNWAY END COORDINATES (NAD 83)				
LATTITUDE	(4) 32° 41' 28" N	SAME	(9) 32° 42' 17.6" N	(9) 32° 42' 17.5" N
	(22) 32° 42' 4.1" N	(22) 32° 42' 6.6" N	(27) 32° 41' 18.2" N	(27) 32° 42' 18.2" N
LONGITUDE	(4) 80° 00' 20.9" W	SAME	(9) 80° 00' 42.4" W	(9) 80° 00' 46.4" N
	(22) 79° 59' 54" W	(22) 79° 59' 52.1" W	(27) 79° 59' 43.7" W	(27) 79° 59' 47.9" W
PART 77 CATEGORY	VISUAL	SAME	PRECISION	PRECISION
APPROACH SURFACE SLOPE	(4) 20:1	SAME	(9) 50:1	SAME
	(22) 20:1	SAME	(27) 34:1	SAME
VISIBILITY MINIMUM	(4) VISUAL	SAME	(9) > 3/4 MILE	(9) > 3/4 MILE
	(22) VISUAL	SAME	(27) 1 MILE	(27) SAME
RUNWAY WIDTH	150'	SAME	150'	100'
RUNWAY LENGTH	4313'	4600'	5000'	SAME
DISPLACED THRESHOLD	(22) 687'	(22) 400'	N/A	(27) 350'
SURFACE TYPE	CONCRETE	SAME	CONCRETE	BITUMINOUS
PAVEMENT STRENGTH (1000 LBS)				
SINGLE WHEEL	45	SAME	45	60
DUAL WHEEL	56	SAME	56	100
RUNWAY LIGHTING	MIRL	SAME	HIRL	SAME
RUNWAY MARKING	VISUAL	SAME	PRECISION	SAME
EFFECTIVE GRADIENT (%)	.0002%	SAME	.0014%	.0013%
LINE OF SIGHT VIOLATIONS	N/A	N/A	N/A	N/A
WIND COVERAGE (%)	(12 MPH/10 KNOT) 91.4%	SAME	(12 MPH/10 KNOT) 89.2%	SAME
	(15 MPH/13 KNOT) 95.5%	SAME	(15 MPH/13 KNOT) 93.8%	SAME
VISUAL APPROACH AIDS	NONE	NONE	(9) PAPI-4	SAME
	NONE	NONE	(27) PAPI-4	PAPI-4, MALSR
INSTRUMENT APPROACH AIDS	(4) NONE	NONE	(9) ILS, LOC/DME; GPS	SAME
	(22) NONE	NONE	(27) WAAS-LPV	SAME
AIRPORT REFERENCE CODE (ARC)	B-II	SAME	D-III	SAME
CRITICAL AIRCRAFT	CITATION II	SAME	GULFSTREAM V	SAME
RUNWAY PROTECTION ZONE (RPZ)	(4) 500' X 700' X 1,000'	SAME	(9) 1,000' X 1,510' X 1,700'	SAME
	(22) 500' X 700' X 1,000'	SAME	(27) 500' X 1,010' X 1,700'	SAME
RUNWAY SAFETY AREA (RSA) DIM.	4,913' X 150'	5,200' X 150'	6,250' X 500'	6,400' X 500'
RUNWAY OBJECT FREE AREA (ROFA) DIM.	4,913' X 500'	5,200' X 500'	6,250' X 800'	6,400' X 800'
OBSTACLE FREE ZONE (OFZ) DIM.	4,713' X 400'	5,000' X 400'	5,400' X 400'	5,550' X 400'
RUNWAY END ELEVATIONS (MSL)	(4) 10	SAME	(9) 17	(9) 18
	(22) 10	SAME	(27) 10	SAME
MAX. ELEVATION (MSL)	12	SAME	17	SAME
DISPLACED THRESHOLD ELEVATION (MSL)	(22) 11	(22) 11	(27) N/A	(27) 11

DESCRIPTION	EXISTING	ULTIMATE
RUNWAY CENTERLINE		N/A
AIRPORT PROPERTY LINE		N/A
WATERLINE EASEMENT		N/A
PAVEMENT		
RUNWAY SAFETY AREA (RSA)	RSA	RSA
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	N/A
RUNWAY PROTECTION ZONE (RPZ)	RPZ	RPZ
BUILDING RESTRICTION LINE (BRL)	BRL	BRL
RUNWAY VISIBILITY ZONE		N/A
FENCE	X	X X
GROUND ELEVATION CONTOURS		N/A
TREE LINE		N/A
AIRPORT BUILDINGS		
EASEMENT ACQUISITION	NA	
ROTATING BEACON		N/A
WIND CONE/SEGMENTED CIRCLE		N/A
WIND SOCK		
AIRPORT REFERENCE POINT		N/A
PAPI		N/A

1. FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF THE FUTURE FACILITIES DEPICTED. DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT OWNER IS REQUIRED TO SUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS AND EXTERIOR FINISHES OF STRUCTURES. FAA'S CONCERNS ARE OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS AND ADVERSE EFFECT ON CONTROLLER VIEW OF AIRCRAFT APPROACHES AND GROUND MOVEMENTS, WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY OR UTILITY OF THE AIRPORT.
2. ALL ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL.
3. ALL ELEVATIONS ARE IN ACCORDANCE WITH NATIONAL MAP ACCURACY STANDARDS. SPOT ELEVATIONS AND GROUND CONTOURS ARE DERIVED FROM AERIAL PHOTOGRAMMETRY AND ARE APPROXIMATE. GROUND SURVEYS ARE RECOMMENDED TO VERIFY ACCURACY.
4. ALL LATITUDE AND LONGITUDE COORDINATES ARE NAD 83.
5. THERE ARE NO KNOWN EXISTING OBSTACLE FREE ZONE (OFZ) PENETRATIONS
6. AERIAL SURVEY FOR THIS BASE SHEET PROVIDED BY THE SOUTH CAROLINA DIVISION OF COMMERCE, DIVISION OF AERONAUTICS.

APPROVED	DATE

APPROVED	DATE

AIRPORT LAYOUT DRAWING

CHARLESTON EXECUTIVE AIRPORT
JOHNS ISLAND, SOUTH CAROLINA

SHEET 2 OF 11

DRAWN BY: DWS/RLW | SCALE: 1" = 400'

CHECKED BY: ELB | DATE: SEPTEMBER 2008

DRAWING: kpi_2008_Airport Layout Plan.dwg LAYOUT: 24x36
XREFS: IMAGES: