NOTES

1. HOLDING POSITION MARKINGS FOR RUNWAY/TAXIWAY INTERSECTIONS 280' FROM RUNWAY CENTERLINE AND PERPENDICULAR TO TAXIWAY CENTERLINE.
2. COORDINATES SHOWN HEREON ARE IN NAD83.
3. ELEVATIONS SHOWN ARE ABOVE MEAN LEVEL (AMSL).
4. SEE PROPERTY MAP (DRAWING 12) FOR PROPERTY LINE METES AND BOUNDS.
5. 35' PAVED SHOULDER ARE PLANNED FOR RUNWAY 5/23 AND THE EXTENSION OF RUNWAY 11/29.
6. NO OFZ OBJECT PENETRATIONS.
7. NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.
8. BUILDING RESTRICTION LINE (BRL) BASED ON A 35' BUILDING.
9. PRIOR TO DEVELOPMENT IN THIS AREA COORDINATION WITH THE APPROPRIATE FAA DIVISIONS REGARDING TERPS AND ATCT LINE OF SIGHT WILL BE REQUIRED.
10. PROPER EQUIPMENT AND MARKING IMPROVEMENTS WILL BE REQUIRED TO SUPPORT THE IMPLEMENTATION OF LAHSO AFTER RUNWAY 11 IS EXTENDED.

ALL WEATHER WIND ROSE

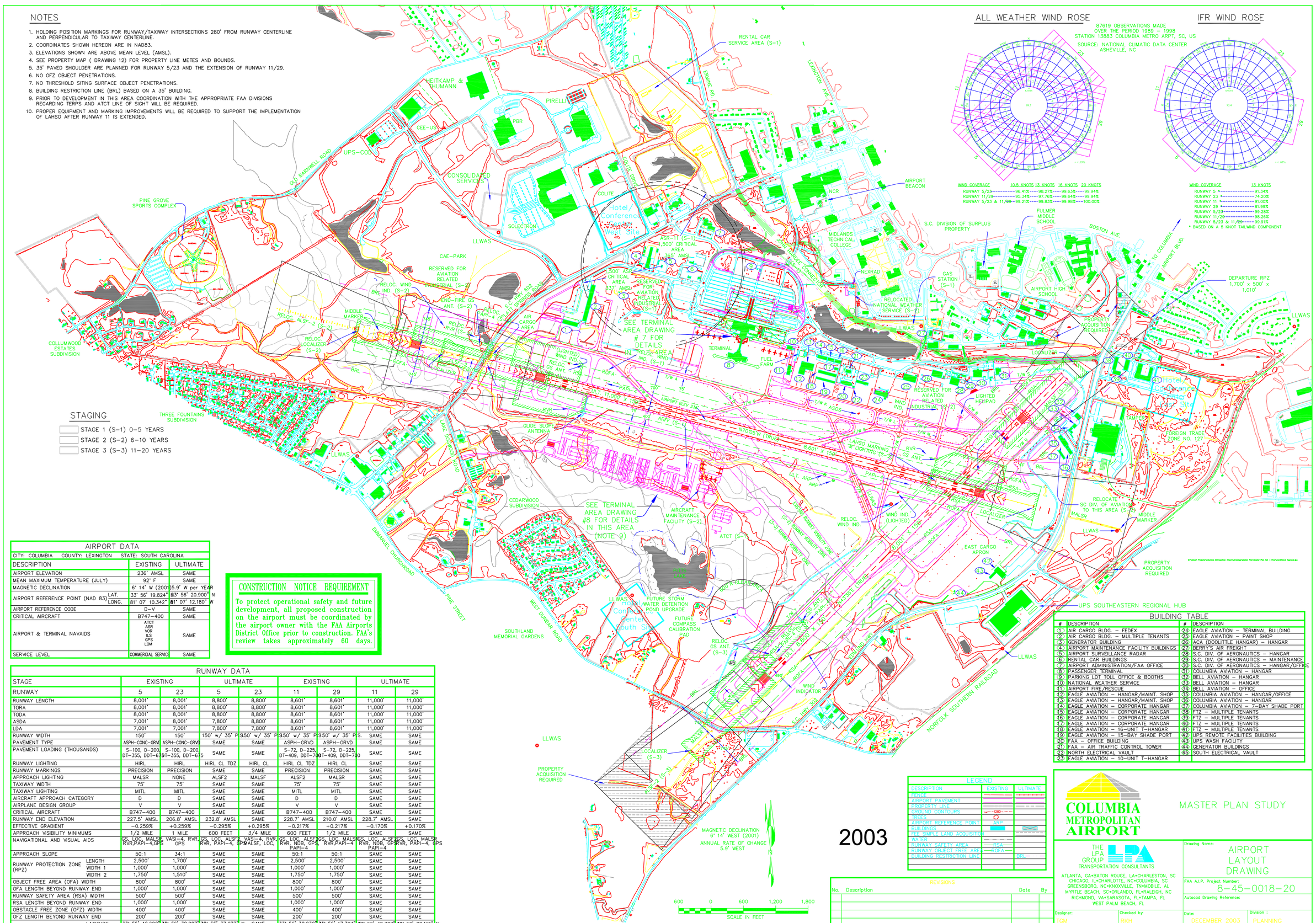
87619 OBSERVATIONS MADE
OVER THE PERIOD 1989 – 1998
STATION 13883 COLUMBIA METRO ARPT, SC, US
SOURCE: NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NC

WIND COVERAGE	10.5 KNOTS	13 KNOTS	16 KNOTS	20 KNOTS
RUNWAY 5/23	96.41%	98.27%	99.63%	99.94%
RUNWAY 11/29	95.34%	97.76%	99.64%	99.94%
RUNWAY 5/23 & 11/29	99.21%	99.83%	99.98%	100.00%

IFR WIND ROSE

WIND COVERAGE	13 KNOTS
RUNWAY 5 *	91.34%
RUNWAY 23 *	74.20%
RUNWAY 11 *	91.00%
RUNWAY 29 *	81.92%
RUNWAY 5/23	99.28%
RUNWAY 11/29	98.26%
RUNWAY 5/23 & 11/29	99.91%

* BASED ON A 5 KNOT TAILWIND COMPONENT



STAGING

- STAGE 1 (S-1) 0-5 YEARS
- STAGE 2 (S-2) 6-10 YEARS
- STAGE 3 (S-3) 11-20 YEARS

AIRPORT DATA

CITY: COLUMBIA COUNTY: LEXINGTON STATE: SOUTH CAROLINA

DESCRIPTION		EXISTING	ULTIMATE
AIRPORT ELEVATION		236' AMSL	SAME
MEAN MAXIMUM TEMPERATURE (JULY)		92° F	SAME
MAGNETIC DECLINATION		6° 14' W (2001)	5.9' W per YEAR
AIRPORT REFERENCE POINT (NAD 83)	LAT.	33° 56' 19.824" N	33° 56' 20.900" N
	LONG.	81° 07' 10.342" W	81° 07' 12.180" W
AIRPORT REFERENCE CODE		D-V	SAME
CRITICAL AIRCRAFT		B747-400	SAME
AIRPORT & TERMINAL NAVAIDS		ATCT ASR VOR ILS GPS LOM	SAME
SERVICE LEVEL		COMMERCIAL SERVICE	SAME

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.

RUNWAY DATA

STAGE		EXISTING		ULTIMATE		EXISTING		ULTIMATE	
RUNWAY		5	23	5	23	11	29	11	29
RUNWAY LENGTH		8,001'	8,001'	8,800'	8,800'	8,601'	8,601'	11,000'	11,000'
TORA		8,001'	8,001'	8,800'	8,800'	8,601'	8,601'	11,000'	11,000'
TODA		8,001'	8,001'	8,800'	8,800'	8,601'	8,601'	11,000'	11,000'
ASDA		7,001'	8,001'	7,800'	8,800'	8,601'	8,601'	11,000'	11,000'
LDA		7,001'	7,001'	7,800'	7,800'	8,601'	8,601'	11,000'	11,000'
RUNWAY WIDTH		150'	150'	150' w/ 35' PS	150' w/ 35' PS	150' w/ 35' PS	150' w/ 35' PS	SAME	SAME
PAVEMENT TYPE		ASPH-CONC-GRVD	ASPH-CONC-GRVD	SAME	SAME	ASPH-GRVD	ASPH-GRVD	SAME	SAME
PAVEMENT LOADING (THOUSANDS)		S-100, D-200, DT-355, DDT-675	S-100, D-200, DT-355, DDT-675	SAME	SAME	S-72, D-225, DT-409, DDT-700	S-72, D-225, DT-409, DDT-700	SAME	SAME
RUNWAY LIGHTING		HIRL	HIRL	HIRL CL TDZ	HIRL CL	HIRL CL TDZ	HIRL CL	SAME	SAME
RUNWAY MARKINGS		PRECISION	PRECISION	SAME	SAME	PRECISION	PRECISION	SAME	SAME
APPROACH LIGHTING		MALSR	NONE	ALSF2	MALSF	ALSF2	MALSR	SAME	SAME
TAXIWAY WIDTH		75'	75'	SAME	SAME	75'	75'	SAME	SAME
TAXIWAY LIGHTING		MITL	MITL	SAME	SAME	MITL	MITL	SAME	SAME
AIRCRAFT APPROACH CATEGORY		D	D	SAME	SAME	D	D	SAME	SAME
AIRPLANE DESIGN GROUP		V	V	SAME	SAME	V	V	SAME	SAME
CRITICAL AIRCRAFT		B747-400	B747-400	SAME	SAME	B747-400	B747-400	SAME	SAME
RUNWAY END ELEVATION		227.5' AMSL	206.8' AMSL	232.8' AMSL	SAME	228.7' AMSL	210.0' AMSL	228.7' AMSL	SAME
EFFECTIVE GRADIENT		-0.259%	+0.259%	-0.295%	+0.295%	-0.217%	+0.217%	-0.170%	+0.170%
APPROACH VISIBILITY MINIMUMS		1/2 MILE	1 MILE	600 FEET	3/4 MILE	600 FEET	1/2 MILE	SAME	SAME
NAVIGATIONAL AND VISUAL AIDS		GS, LOC, MALSR, RVR,PAPI-4,GPS	VASI-4, RVR, GPS	GS, LOC, ALSF2, RVR, PAPI-4, GPS	VASI-4, RVR, MALSF, LOC, GPS	GS, LOC, ALSF2, RVR, NDB, GPS, PAPI-4	GS, LOC, MALSR, RVR,PAPI-4	GS, LOC, ALSF2, RVR, NDB, GPS, PAPI-4	GS, LOC, MALSR, RVR, PAPI-4, GPS
APPROACH SLOPE		50:1	34:1	SAME	SAME	50:1	50:1	SAME	SAME
RUNWAY PROTECTION ZONE (RPZ)	LENGTH	2,500'	1,700'	SAME	SAME	2,500'	2,500'	SAME	SAME
	WIDTH 1	1,000'	1,000'	SAME	SAME	1,000'	1,000'	SAME	SAME
	WIDTH 2	1,750'	1,510'	SAME	SAME	1,750'	1,750'	SAME	SAME
OBJECT FREE AREA (OFA) WIDTH		800'	800'	SAME	SAME	800'	800'	SAME	SAME
OFA LENGTH BEYOND RUNWAY END		1,000'	1,000'	SAME	SAME	1,000'	1,000'	SAME	SAME
RUNWAY SAFETY AREA (RSA) WIDTH		500'	500'	SAME	SAME	500'	500'	SAME	SAME
RSA LENGTH BEYOND RUNWAY END		1,000'	1,000'	SAME	SAME	1,000'	1,000'	SAME	SAME
OBSTACLE FREE ZONE (OFZ) WIDTH		400'	400'	SAME	SAME	400'	400'	SAME	SAME
OFZ LENGTH BEYOND RUNWAY END		200'	200'	SAME	SAME	200'	200'	SAME	SAME
RUNWAY END (NAD 83)	LATITUDE	33° 55' 42.690" N	33° 56' 38.987" N	33° 55' 37.077" N	SAME	33° 56' 38.932" N	33° 56' 17.394" N	33° 56' 49.708" N	33° 56' 22.161" N
	LONGITUDE	81° 07' 26.281" W	81° 06' 19.539" W	81° 07' 32.953" W	SAME	81° 08' 15.915" W	81° 06' 37.156" W	81° 09' 05.315" W	81° 06' 58.988" W

BUILDING TABLE

#	DESCRIPTION	#	DESCRIPTION
1	AIR CARGO BLDG. – FEDEX	24	EAGLE AVIATION – TERMINAL BUILDING
2	AIR CARGO BLDG. – MULTIPLE TENANTS	25	EAGLE AVIATION – PAINT SHOP
3	GENERATOR BUILDING	26	ACA (DOOLITTLE HANGAR) – HANGAR
4	AIRPORT MAINTENANCE FACILITY BUILDINGS	27	BERRY'S AIR FREIGHT
5	AIRPORT SURVEILLANCE RADAR	28	S.C. DIV. OF AERONAUTICS – HANGAR
6	RENTAL CAR BUILDINGS	29	S.C. DIV. OF AERONAUTICS – MAINTENANCE
7	AIRPORT ADMINISTRATION/FAA OFFICE	30	S.C. DIV. OF AERONAUTICS – HANGAR/OFFICE
8	PASSENGER TERMINAL	31	COLUMBIA AVIATION – HANGAR
9	PARKING LOT TOLL OFFICE & BOOTHS	32	BELL AVIATION – HANGAR
10	NATIONAL WEATHER SERVICE	33	BELL AVIATION – HANGAR
11	AIRPORT FIRE/RESCUE	34	BELL AVIATION – OFFICE
12	EAGLE AVIATION – HANGAR/MAINT. SHOP	35	COLUMBIA AVIATION – HANGAR/OFFICE
13	EAGLE AVIATION – HANGAR/MAINT. SHOP	36	COLUMBIA AVIATION – HANGAR
14	EAGLE AVIATION – CORPORATE HANGAR	37	COLUMBIA AVIATION – 7-BAY SHADE PORT
15	EAGLE AVIATION – CORPORATE HANGAR	38	FTZ – MULTIPLE TENANTS
16	EAGLE AVIATION – CORPORATE HANGAR	39	FTZ – MULTIPLE TENANTS
17	EAGLE AVIATION – CORPORATE HANGAR	40	FTZ – MULTIPLE TENANTS
18	EAGLE AVIATION – 16-UNIT T-HANGAR	41	FTZ – MULTIPLE TENANTS
19	EAGLE AVIATION – 15-BAY SHADE PORT	42	UPS REMOTE FACILITIES BUILDING
20	FAA – OFFICE BUILDING	43	UPS WASH FACILITY
21	FAA – AIR TRAFFIC CONTROL TOWER	44	GENERATOR BUILDINGS
22	NORTH ELECTRICAL VAULT	45	SOUTH ELECTRICAL VAULT
23	EAGLE AVIATION – 10-UNIT T-HANGAR		

LEGEND

DESCRIPTION	EXISTING	ULTIMATE
FENCE		
AIRPORT PAVEMENT		
PROPERTY LINE		
GROUND CONTOURS	1280	
TREES		
AIRPORT REFERENCE POINT	ARP	
BUILDINGS		
FEE SIMPLE LAND ACQUISITION		
WATER		
RUNWAY SAFETY AREA	RSA	
RUNWAY OBJECT FREE AREA	ROFA	
BUILDING RESTRICTION LINE		BRL

2003

REVISIONS

No.	Description	Date	By

COLUMBIA METROPOLITAN AIRPORT

MASTER PLAN STUDY

THE LPA GROUP
TRANSPORTATION CONSULTANTS

ATLANTA, GA•BATON ROUGE, LA•CHARLESTON, SC
CHICAGO, IL•CHARLOTTE, NC•COLUMBIA, SC
GREENSBORO, NC•KNOXVILLE, TN•MOBILE, AL
MYRTLE BEACH, SC•ORLANDO, FL•RALEIGH, NC
RICHMOND, VA•SARASOTA, FL•TAMPA, FL
WEST PALM BEACH, FL

Drawing Name: AIRPORT LAYOUT DRAWING

FAA A.I.P. Project Number: 8-45-0018-20

Autocad Drawing Reference:

Designer:	Checked by:	Date:	Division :
TGM	RKH	DECEMBER 2003	PLANNING
Technician:	Project Number:	Scale:	Drawing Number:
TGM	CP009133	1" = 600'	3