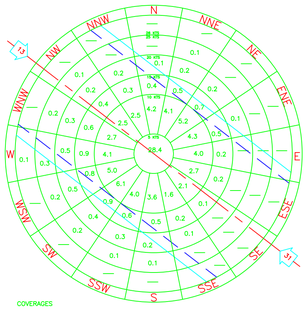
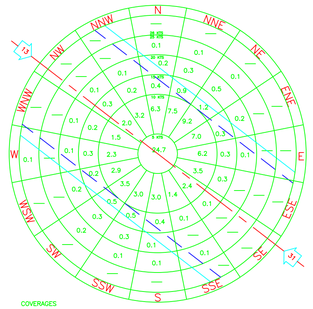


COVERAGES

	10.5 KTS	13 KTS
31	37.87	40.74
13	28.80	29.99
CALMS	28.4	28.4
TOTAL	95.08	99.13
N/C	4.93	0.87

SOURCE: NATIONAL WEATHER RECORDS CENTER, ASHEVILLE, N.C.
STATION–COLUMBIA METROPOLITAN AIRPORT
PERIOD COVERD 1945–1978
N/C= NOT COVERED

COLUMBIA OWENS DOWNTOWN
ALL WEATHER
WIND ROSE

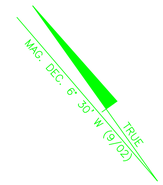


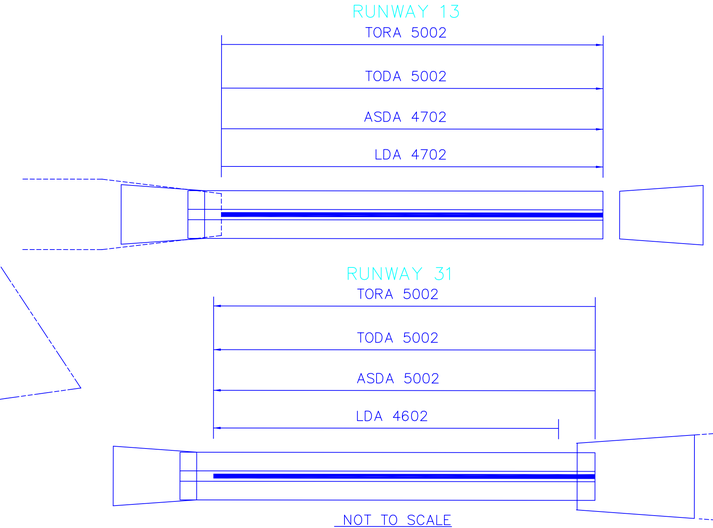
COVERAGES

	10.5 KTS	13 KTS
31	30.92	32.16
13	37.06	38.35
CALMS	24.7	24.7
TOTAL	92.68	95.21
N/C	7.32	4.79

SOURCE: NATIONAL WEATHER RECORDS CENTER, ASHEVILLE, N.C.
STATION–COLUMBIA METROPOLITAN AIRPORT
PERIOD COVERD 1945–1978
N/C= NOT COVERED

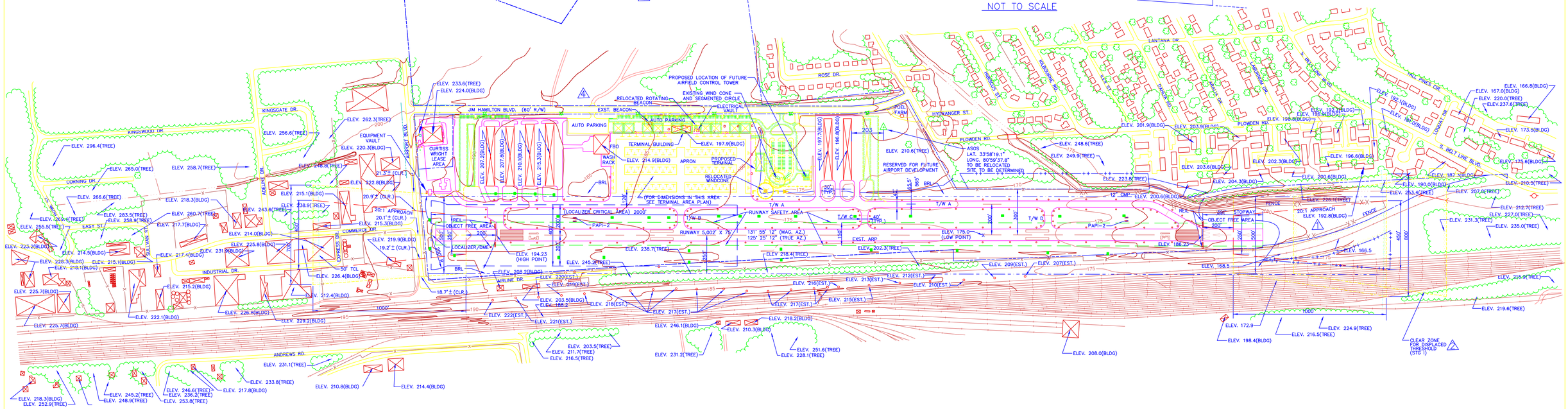
COLUMBIA OWENS DOWNTOWN
IFR WIND ROSE





3, 5 DECLARED DISTANCES

	RUNWAY 13 (FEET)	RUNWAY 31 (FEET)
TAKEOFF RUN AVAILABLE (TORA)	5002	5002
TAKEOFF DISTANCE AVAILABLE (TODA)	5002	5002
ACCELERATE – STOP DISTANCE AVAILABLE (ASDA)	4702	5002
LANDING DISTANCE AVAILABLE (LDA)	4702	4602
USABLE STOPWAY LENGTH	0	0
DISTANCE FROM THE STOP END OF LDA TO RUNWAY END	300	0
DISTANCE FROM THE DEPARTURE END OF TORA TO RPZ	200	200
DISTANCE FROM THE APPROACH RPZ TO THE THRESHOLD	200	200



RUNWAY DATA	EXISTING	STAGE I	STAGE II	STAGE III
RUNWAY LENGTH & WIDTH	5,002' X 75'	N/C	N/C	N/C
EFFECTIVE GRADIENT (%)	.17	N/C	N/C	N/C
% WIND COVERAGE (13 KTS ALL WEATHER)	99.13	N/C	N/C	N/C
PAVEMENT STRENGTH (PUBLISHED)	SG 20,000 # DG 40,000 #	N/C	N/C	N/C
APPROACH LIGHTING	NONE	N/C	N/C	N/C
RUNWAY LIGHTING	MIRL	N/C	N/C	N/C
RUNWAY MARKING	NPI	N/C	N/C	N/C
APPROACH SURFACES	VIS–UTIL–13 20:1 NPI–UTIL–31 20:1	N/C	N/C	N/C
RUNWAY END 13 COORDINATES	LAT. 33° 58' 28.0" N LONG. 81° 00' 07.1" W	N/C	N/C	N/C
RUNWAY END 31 COORDINATES	LAT. 33° 57' 59.3" N LONG. 80° 59' 18.7" W	N/C	N/C	N/C
SURFACE MATERIAL	ASPHALT	N/C	N/C	N/C
APPROACH CATEGORY–DESIGN GROUP	B–II	N/C	N/C	N/C
VISUAL NAVAIDS	ROTATING BEACON REILS, PAPI–2	N/C	N/C	N/C
OBJECT FREE AREA	300' X 500'	N/C	N/C	N/C
RUNWAY SAFETY AREA	5400' X 150'	N/C	N/C	N/C
CORRECTED RUNWAY LENGTH	3,900'	N/C	N/C	N/C

GENERAL DATA	EXISTING	STAGE I	STAGE II	STAGE III
AIRPORT REFERENCE CODE	B–II	N/C	N/C	N/C
ESTABLISHED AIRPORT ELEV.	194.23'	N/C	N/C	N/C
NORMAL MAX. TEMP. HOTTEST MONTH	91° F	N/C	N/C	N/C
DESIGNATED INSTRUMENT RUNWAY	31	N/C	N/C	N/C
TAXIWAY PVT. STRENGTH	SG 20,000 # DG 40,000 #	N/C	N/C	N/C
APRON PAVEMENT STRENGTH	SG 20,000 # DG 40,000 #	N/C	N/C	N/C
TAXIWAY LIGHTING	MITL	N/C	N/C	N/C
AIRPORT REFERENCE POINT	LAT. 33° 58' 13.7" N LONG. 80° 59' 42.9" W	N/C	N/C	N/C
AIRCRAFT/DESIGN TYPE (NPIAS)	GU/RL	N/C	N/C	N/C
AIRPORT & TERMINAL NAV. AIDS	PAPI–2, REILS, WIND CONE, SEG. CIRCLE ROTATING BEACON NPI MARKING, ASOS LOCALIZER/DME	NDB	N/C	N/C

LEGEND	EXISTING	STAGE I	STAGE II	STAGE III
PROPERTY LINE (FEE SIMPLE)		N/C	N/C	N/C
PROPERTY LINE (EASEMENT)			N/C	N/C
BUILDING RESTRICTION LINE		N/C	N/C	N/C
RUNWAY PROTECTION ZONE			N/C	N/C
PAVEMENT				
BUILDINGS				
FENCING			N/C	N/C
GROUND CONTOUR	180	N/C	N/C	N/C
WOODED AREA		N/C	N/C	N/C
50' TERRAIN CLEARANCE LINE		N/C	N/C	N/C
DITCH/CREEK		N/C	N/C	N/C
RAILROAD		N/C	N/C	N/C
FIRE HYDRANT		N/C	N/C	N/C

THIS SIGNATURE CERTIFIES SPONSOR'S APPROVAL OF THE INFORMATION CONTAINED IN THIS PLAN.

_____ DATE _____

EARL BROWN, CHAIRMAN
COLUMBIA OWENS DOWNTOWN AIRPORT COMMISSION

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.

NOTE:
RUNWAY LENGTH OF 5,002' INCLUDES DISPLACED THRESHOLD.

REVISIONS

REV. NO.	DESCRIPTION	DATE
5	ASBUILT OF AWOS, DRAINAGE, VAULTS, PROPOSED TERMINAL DEVELOPMENT AREA & CURTISS WRIGHT LEASE AREA	9–23–02
4	UPDATE DECLARED DISTANCES PER TELEPHONE CONVERSATION WITH EC HUNNICUTT	7–14–97
3	PROPERTY TO BE RELEASED	10–20–95
2	SHOW DECLARED DISTANCES	1–18–95
1	UPDATE FROM RELOCATED TO DISPLACED THRESHOLD (STG. I)	1–20–95
0	AIP NO. 3–45–0017–02	7–23–92

PROJECT MANAGER	GAV
DRAWN BY	TEE/RBT
APPROVED BY	SEW
FILE NAME	ALP REV
DRAWING SCALE	1" = 300'
PROJECT DATE	9/91
PROJECT NUMBER	20438.00.CA
PLOT DATE	

WK DICKSON
Engineers • Planners • Surveyors
Landscape Architects

501 COMMERCE DRIVE NE
COLUMBIA, SC 29223
(803) 786–4261

Asheville, NC
Atlanta, GA
Charlotte, NC
Columbia, SC
Hickory, NC
Raleigh, NC
Wilmington, NC

RELEASED FOR	DATE
APPROVALS	
BIDDING	
CONSTRUCTION	
RECORD DWG.	

2005

COLUMBIA OWENS DOWNTOWN AIRPORT
RICHLAND COUNTY COUNCIL
COLUMBIA, SOUTH CAROLINA

AIRPORT LAYOUT PLAN

1/7

D–4026