

LAND USE GUIDANCE

LUG ZONE	AVERAGE DAY NIGHT SOUND LEVEL (LDN)
D	LDN 75 or GREATER
C	LDN 65 - 75
B	LDN 55 - 65
A	LDN 55 and LESS

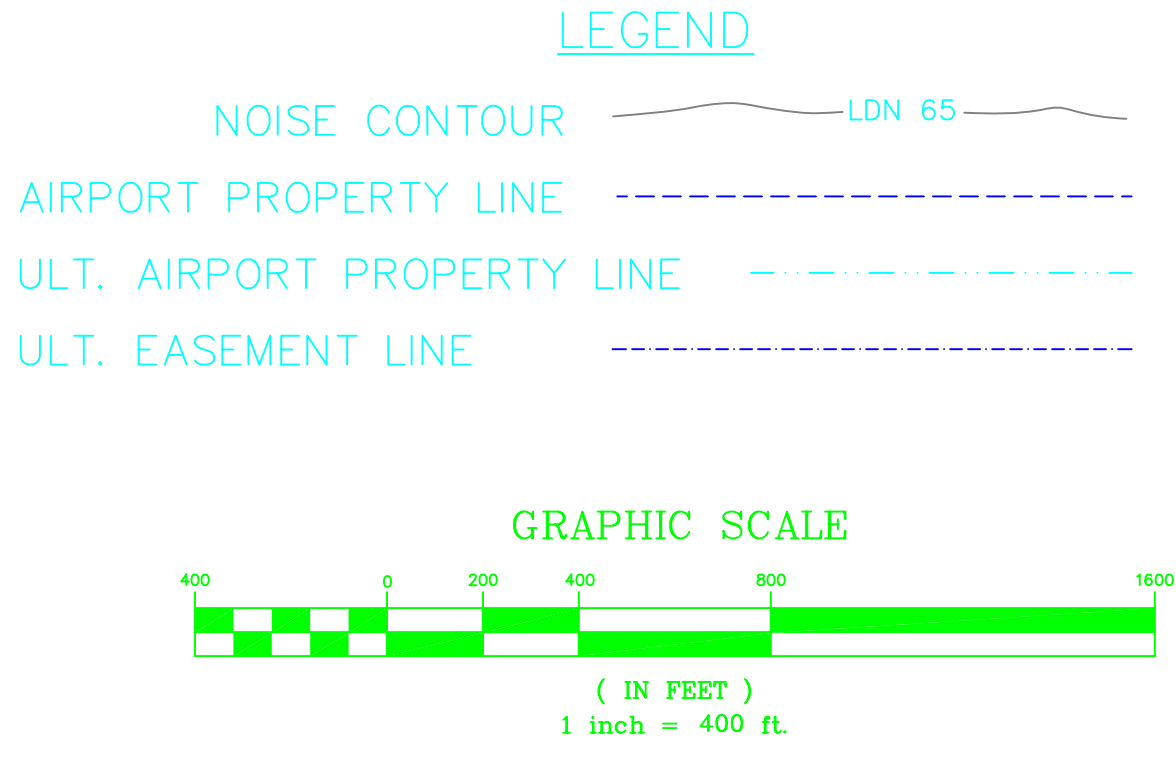
LAND SHOULD BE RESERVED FOR ACTIVITIES THAT CAN TOLERATE A HIGH LEVEL OF SOUND EXPOSURE SUCH AS SOME AGRICULTURAL, INDUSTRIAL, AND COMMERCIAL USES. NO RESIDENTIAL DEVELOPMENTS OF ANY TYPE ARE RECOMMENDED. SOUND SENSITIVE ACTIVITIES SUCH AS SCHOOLS, OFFICES, HOSPITALS, CHURCHES, AND LIKE ACTIVITIES SHOULD NOT BE CONSTRUCTED IN THIS AREA UNLESS NO ALTERNATIVE LOCATION IS POSSIBLE. ALL REGULARLY OCCUPIED STRUCTURES SHOULD CONSIDER SOUND CONTROL IN DESIGN.

ACTIVITIES WHERE UNINTERRUPTED COMMUNICATION IS ESSENTIAL SHOULD CONSIDER SOUND EXPOSURE IN DESIGN. GENERALLY, RESIDENTIAL DEVELOPMENT IS NOT CONSIDERED A SUITABLE USE ALTHOUGH MULTIFAMILY DEVELOPMENTS WHERE SOUND CONTROL FEATURES HAVE BEEN INCORPORATED IN BUILDING DESIGN MIGHT BE CONSIDERED. OPEN-AIR ACTIVITIES AND OUTDOOR LIVING WILL BE AFFECTED BY AIRCRAFT SOUND. THE CONSTRUCTION OF AUDITORIUMS, SCHOOLS, CHURCHES, HOSPITALS, THEATERS, AND LIKE ACTIVITIES SHOULD BE AVOIDED WITHIN THIS ZONE WHERE POSSIBLE.

FEW ACTIVITIES WILL BE AFFECTED BY AIRCRAFT SOUNDS, ALTHOUGH BUILDING DESIGNS FOR ESPECIALLY SOUND SENSITIVE ACTIVITIES SUCH AS AUDITORIUMS, CHURCHES

CLEARLY ACCEPTABLE NOISE LEVEL. NO SPECIAL CONSIDERATIONS REQUIRED.

- NOTES:**
- LAND USE GUIDANCE CHART AND ZONE DESCRIPTIONS FROM AIRPORT LAND USE COMPATIBILITY PLANNING, AC-150/5020-1, PAGES 1,2,3, AND 4 OF APPENDIX 1 AND FAR PART 150, JULY 18, 1985.
 - NOISE CONTOURS GENERATED USING FAA'S INTEGRATED NOISE MODEL, VERSION USING THE 2020 ACTIVITY LEVELS AND CRITICAL AIRCRAFT.
 - LAND USES RECOMMENDED ON THIS PLAN ARE BASED ON AIRCRAFT NOISE LEVELS. HEIGHT RESTRICTIONS ARE BASED ON FAR PART 77 AND ARE INCLUDED ON SHEET 3, "AIRPORT AIRSPACE PLAN."



LAND USE GUIDANCE (LUG) CHART

LAND USE	SUGGESTED LUG ZONE	LAND USE	SUGGESTED LUG ZONE	LAND USE	SUGGESTED LUG ZONE
RESIDENTIAL	A-B	RESIDENTIAL	B	SERVICES (CONTINUED)	B-C
HOUSEHOLD UNITS	A	PROFESSIONAL, SCIENTIFIC, AND CONTROLLING INSTRUMENTS; PHOTOGRAPHIC AND OPTICAL GOODS; WATCHES & CLOCKS - MANUFACTURING	C-D	PROFESSIONAL SERVICES	B-C
SINGLE UNITS - DETACHED	A	MISCELLANEOUS MANUFACTURING	A	CONTRACT CONSTRUCTION SERVICES	B
SINGLE UNITS - SEMI-ATTACHED	A			EDUCATIONAL SERVICES	--B
SINGLE UNITS - ATTACHED ROW	A			MISCELLANEOUS SERVICES	A,B,C
TWO UNITS - SIDE BY SIDE	A	TRANSPORTATION COMMUNICATION AND UTILITIES			
TWO UNITS - ONE ABOVE THE OTHER	B	RAILROAD, RAPID RAIL TRANSIT AND STREET RAILWAY TRANSPORTATION	D	CULTURAL, ENTERTAINMENT, AND RECREATIONAL	
APARTMENTS - WALK UP	B-C	MOTOR VEHICLE TRANSPORTATION	D	CULTURAL ACTIVITIES AND NATURE EXHIBITIONS	A
APARTMENTS - ELEVATOR		AIRCRAFT TRANSPORTATION	D	PUBLIC ASSEMBLY	A
GROUP QUARTERS	A	MARINE CRAFT TRANSPORTATION	D	AMUSEMENTS	C
RESIDENTIAL HOTELS	B	HIGHWAY AND STREET RIGHT-OF-WAY	D	RECREATIONAL ACTIVITIES	B-C
MOBILE HOME PARKS OR COURTS	C	AUTOMOBILE PARKING	D	RESORTS AND GROUP CAMPS	A
TRANSIENT LODGINGS	A,B,C	COMMUNICATIONS UTILITIES	D	PARKS	A,B,C
OTHER RESIDENTIAL		OTHER TRANSPORTATION, COMMUNICATION AND UTILITIES.	A,B,C,D	OTHER CULTURAL, ENTERTAINMENT, AND RECREATIONAL	A-B
MANUFACTURING					
FOOD AND KINDRED PRODUCTS - MANUFACTURING	C-D	TRADE			
TEXTILE MILL PRODUCTS - MANUFACTURING	C-D	WHOLESALE TRADE	C-D		
APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS, LEATHER, AND SIMILAR MATERIALS - MANUFACTURING	C-D	RETAIL TRADE - BUILDING MATERIALS, HARDWARE AND FARM EQUIPMENT	C		
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE) - MANUFACTURING	C-D	RETAIL TRADE - GENERAL MERCHANDISE	C		
FURNITURE AND FIXTURES - MANUFACTURING	C-D	RETAIL TRADE - FOOD	C		
PAPER AND ALLIED PRODUCTS - MANUFACTURING	C-D	RETAIL TRADE - AUTOMOTIVE, MARINE CRAFT, AIRCRAFT, AND ACCESSORIES	C		
CHEMICALS AND ALLIED PRODUCTS - MANUFACTURING	C-D	RETAIL TRADE - APPAREL AND ACCESSORIES	C		
PETROLEUM REFINING AND RELATED INDUSTRIES	C-D	RETAIL TRADE - FURNITURE, HOME FURNISHINGS AND EQUIPMENT	C		
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS - MANUFACTURING	C-D	RETAIL TRADE - EATING AND DRINKING	C-D		
STONE, CLAY, AND GLASS PRODUCTS - MANUFACTURING	C-D	OTHER RETAIL TRADE			
PRIMARY METAL INDUSTRIES	D	SERVICES			
FABRICATED METAL PRODUCTS - MANUFACTURING	D	FINANCE, INSURANCE, AND REAL ESTATE SERVICES	B		
		PERSONAL SERVICES	B		
		BUSINESS SERVICE	B		
		REPAIR SERVICE	C		

REV. NO.	DESCRIPTION	DATE

PROJECT MANAGER GAV	DRAWING SCALE 1" = 400'
DRAWN BY RBT	PROJECT DATE APRIL 2005
APPROVED BY SEW	PROJECT NUMBER 10178.00.CA
FILE NAME 10178BASE	PLOT DATE

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RELEASED FOR	DATE
APPROVALS	
BIDDING	
CONSTRUCTION	
RECORD DWG.	

2005

SANTEE COOPER REGIONAL AIRPORT
CLARENDON COUNTY
MANNING, SOUTH CAROLINA

LAND USE PLAN