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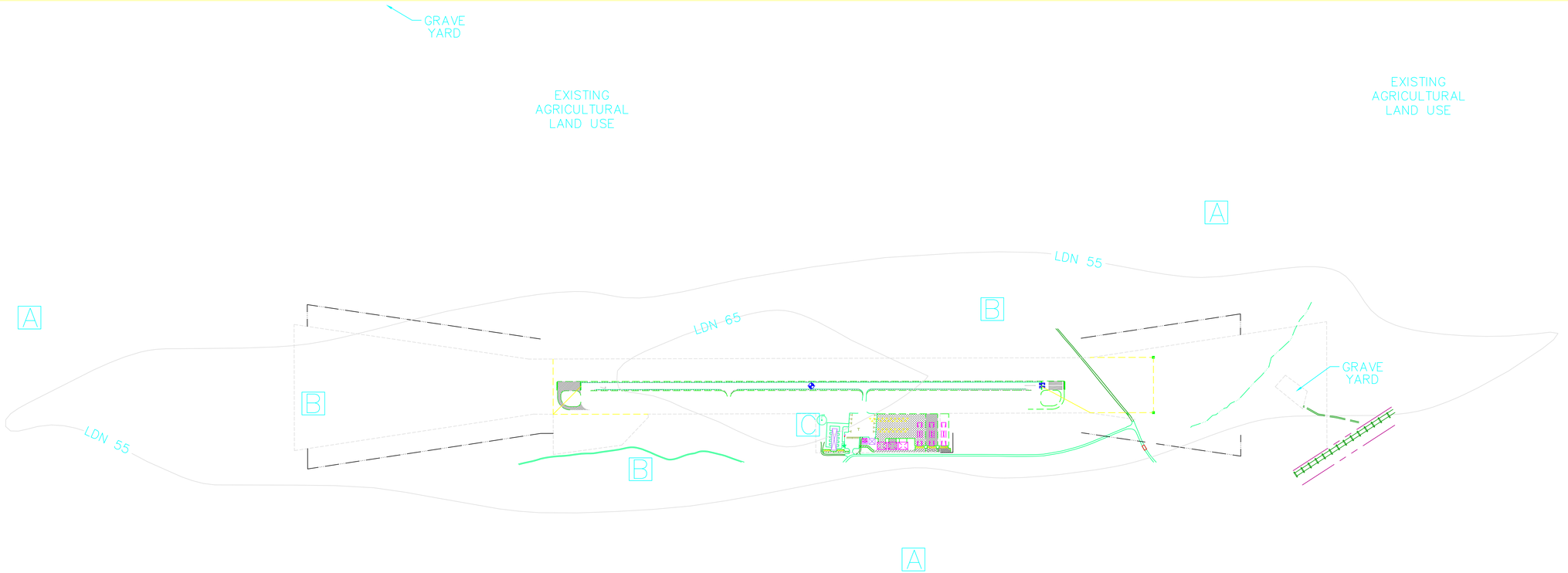
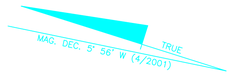


LAND USE GUIDANCE

LUG ZONE	AVERAGE DAY NIGHT SOUND LEVEL (LDN)
D	**LDN 75 or GREATER** 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.
C	**LDN 65 – 75** 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.
B	**LDN 55 – 65** FEW ACTIVITIES WILL BE AFFECTED BY AIRCRAFT SOUNDS, ALTHOUGH BUILDING DESIGNS FOR ESPECIALLY SOUND SENSITIVE ACTIVITIES SUCH AS AUDITORIUMS, CHURCHES, SCHOOLS, HOSPITALS, AND THEATERS SHOULD CONSIDER SOUND CONTROL IN AREAS CLOSEST TO THE AIRPORT. DETAILED STUDIES BY QUALIFIED PERSONNEL ARE RECOMMENDED FOR OUTDOOR AMPHITHEATERS AND LIKE PLACES OF PUBLIC ASSEMBLY IN THE GENERAL VICINITY OF THE AIRPORT.
A	**LDN 55 and LESS** CLEARLY ACCEPTABLE NOISE LEVEL. NO SPECIAL CONSIDERATIONS REQUIRED.



NOTES:

1. 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.

2. NOISE CONTOURS GENERATED USING FAA's INTEGRATED NOISE MODEL, VERSION USING THE 2018 ACTIVITY LEVELS AND CRITICAL AIRCRAFT.

3. 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."

4. ALL LAND USES WITHIN THE LDN 65 CONTOUR ARE EITHER AIRPORT PROPERTY OR AGRICULTURAL, THEREFORE COMPATIBLE WITH NOISE LEVELS FORECAST FOR ALLENDALE COUNTY AIRPORT.

LEGEND

2018 NOISE CONTOUR — LDN 65
AIRPORT PROPERTY LINE
ULTIMATE PROPERTY LINE
EXISTING RESIDENTIAL BUILDING
EXISTING SCHOOL HOUSE

GRAPHIC SCALE

600 0 300 600 1200 2400
(IN FEET)
1 inch = 600 ft.

LAND USE GUIDANCE (LUG) CHART

LAND USE	SUGGESTED LUG ZONE
RESIDENTIAL	A–B
HOUSEHOLD UNITS	
SINGLE UNITS – DETACHED	A
SINGLE UNITS – SEMI ATTACHED	A
SINGLE UNITS – ATTACHED ROW	B
TWO UNITS – SIDE BY SIDE	A
TWO UNITS – ONE ABOVE THE OTHER	A
APARTMENTS – WALK UP	B
APARTMENTS – ELEVATOR	B–C
GROUP QUARTERS	A–B
RESIDENTIAL HOTELS	B
MOBILE HOME PARKS OR COURTS	A
TRANSIENT LODGINGS	C
OTHER RESIDENTIAL	A,B,C
MANUFACTURING	
FOOD AND KINDRED PRODUCTS – MANUFACTURING	C–D
TEXTILE MILL PRODUCTS – MANUFACTURING	C–D
APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS, LEATHER, AND SIMILAR MATERIALS – MANUFACTURING	C–D
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE) – MANUFACTURING	C–D
FURNITURE AND FIXTURES – MANUFACTURING	C–D
PAPER AND ALLIED PRODUCTS – MANUFACTURING	C–D
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	C–D
CHEMICALS AND ALLIED PRODUCTS – MANUFACTURING	C–D
PETROLEUM REFINING AND RELATED INDUSTRIES	C–D
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS – MANUFACTURING	C–D
STONE, CLAY, AND GLASS PRODUCTS – MANUFACTURING	C–D
PRIMARY METAL INDUSTRIES	D
FABRICATED METAL PRODUCTS – MANUFACTURING	D

LAND USE	SUGGESTED LUG ZONE
RESIDENTIAL	
PROFESSIONAL, SCIENTIFIC, AND CONTROLLING INSTRUMENTS; PHOTOGRAPHIC AND OPTICAL GOODS; WATCHES & CLOCKS – MANUFACTURING	B
MISCELLANEOUS MANUFACTURING	C–D
TRANSPORTATION COMMUNICATION AND UTILITIES	
RAILROAD, RAPID RAIL TRANSIT AND STREET RAILWAY TRANSPORTATION	D
MOTOR VEHICLE TRANSPORTATION	D
AIRCRAFT TRANSPORTATION	D
MARINE CRAFT TRANSPORTATION	D
HIGHWAY AND STREET RIGHT-OF-WAY	D
AUTOMOBILE PARKING	D
COMMUNICATIONS	A,B,C,D
UTILITIES	D
OTHER TRANSPORTATION, COMMUNICATION AND UTILITIES.	A,B,C,D
TRADE	
WHOLESALE TRADE	C–D
RETAIL TRADE – BUILDING MATERIALS, HARDWARE AND FARM EQUIPMENT	C
RETAIL TRADE – GENERAL MERCHANDISE	C
RETAIL TRADE – FOOD	C
RETAIL TRADE – AUTOMOTIVE, MARINE CRAFT, AIRCRAFT, AND ACCESSORIES	C
RETAIL TRADE – APPAREL AND ACCESSORIES	C
RETAIL TRADE – FURNITURE, HOME FURNISHINGS AND EQUIPMENT	C
RETAIL TRADE – EATING AND DRINKING OTHER RETAIL TRADE	C–D
SERVICES	
FINANCE, INSURANCE, AND REAL ESTATE SERVICES	B
PERSONAL SERVICES	B
BUSINESS SERVICE	B

LAND USE	SUGGESTED LUG ZONE
SERVICES (CONTINUED)	
PROFESSIONAL SERVICES	B–C
CONTRACT CONSTRUCTION SERVICES	C
GOVERNMENTAL SERVICES	B
EDUCATIONAL SERVICES	A–B
MISCELLANEOUS SERVICES	A,B,C
CULTURAL, ENTERTAINMENT, AND RECREATIONAL	
CULTURAL ACTIVITIES AND NATURE EXHIBITIONS	A
PUBLIC ASSEMBLY	A
AMUSEMENTS	C
RECREATIONAL ACTIVITIES	B–C
RESORTS AND GROUP CAMPS	A
PARKS	A,B,C
OTHER CULTURAL, ENTERTAINMENT, AND RECREATIONAL	A–B

REV. NO.	DESCRIPTION	DATE
	REVISIONS	
3	UPDATE AIP # 3-45-0003-06, 07, 08, 09 & 10	3/07
2	REVISED PER FAA COMMENTS	4/02
1	UPDATE AIP # 3-45-0003-02, 03, 04 & 05	12/00

PROJECT MANAGER: CRT
DRAWN BY: FDL/RBT
APPROVED BY: GAV
FILE NAME: ALP Update 6/06
DRAWING SCALE: 1" = 600'
PROJECT DATE: 12/00
PROJECT NUMBER: 98022.30

WK DICKSON
community infrastructure consultants
1001 PINNACLE POINT DRIVE SUITE 110
COLUMBIA, SC 29223
(803) 786-4261
Office Locations:
North Carolina Georgia
South Carolina Florida

RELEASED FOR	DATE
APPROVALS	
BIDDING	
CONSTRUCTION	
RECORD DWG.	

2007

ALLENDALE COUNTY AIRPORT
ALLENDALE, SOUTH CAROLINA

LAND USE PLAN

7/8

D-3790