ENGINEERING EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT
CHESAPEAKE-PORTSMOUTH BROADCASTING CORPORATION
AM BROADCAST STATION WJGR
JACKSONVILLE, FLORIDA
FACILITY ID 29736
1320 KHZ 19 KW-D 5 KW-N DA-N U

September 11, 2006

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Engineering Statement

The Engineering Exhibit of which this Statement is part, was prepared on behalf of Chesapeake-Portsmouth Broadcasting Corporation. The applicant is the assignee of AM broadcast station WJGR Jacksonville, Florida, Station ID 29736. Station WJGR operates on 1320 kHz employing power of 5,000 watts, unlimited time, with use of a directional antenna during nighttime hours. It is proposed to increase the daytime power to 19 kilowatts. No other changes are proposed.

The existing antenna system will be employed. Information concerning the WJGR facility is contained in the station's file. The geographic coordinates for the center of the two-element directional antenna system are incorrect, as is obvious from coordinates employed for registration of the towers. The correct geographic coordinates for the center of the array are (NAD 27):

30º 17' 42' North Latitude

81º 44' 33" West Longitude.

The proposed daytime coverage contours are shown on Sheet 1 of Figure 1. As the city limits of Jacksonville are coextensive with Duval County, it is extremely difficult to comply with the FCC's principal community coverage requirement; however, as noted

from Sheet 1, the majority of Jacksonville will be within the proposed 5 mV/m contour, an improvement over the current coverage situation. Figure 2 shows the existing coverage contours for WJGR.

The proposed 1,000 mV/m contour is shown on Sheet 2 of Figure 1. It contains 7,757 persons, which is 2 percent of the 383,925 persons residing within the 25 mV/m contour. Waiver of the provisions of 47 CFR 73.24(g) is requested. In previous requests for waiver, it has been shown that field strength of 7 V/m is required to cause blanketing interference with most AM radios. Within the proposed 7 V/m contour there are 37 persons. The applicant acknowledges responsibility for correcting all legitimate complaints of blanketing interference.

Figure 3 is a daytime allocation study map showing the proposed contour for WJGR operating with 19 kilowatts and all other pertinent co-channel and adjacent-channel stations. As will be noted, no prohibited contour overlap occurs. The map indicates a minute amount of overlap of the proposed WJGR 0.25 mV/m contour with the 0.5 mV/m contour of WYND Deland, FL. The contours are based on calculations made each five degrees of azimuth. When the WJGR contour is based on employing a calculation every degree, no overlap results.

With respect to human exposure to radiofrequency radiation, it has been determined that a fence having radius of 3 meters will provide assurance that the permissible level of exposure for the general public will not be exceeded. This value was determined by interpolation of Table 3, Section 1, of OET Bulletin 65, *Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields,* August 1997. Warning signs will be posted on the fence. If it becomes necessary for workers to enter the fenced area or to climb the tower, the power will be reduced or the station taken off the air.

As the transmitting facility exists with very little external physical change proposed, it is assumed that all requirements regarding environmental considerations are met.

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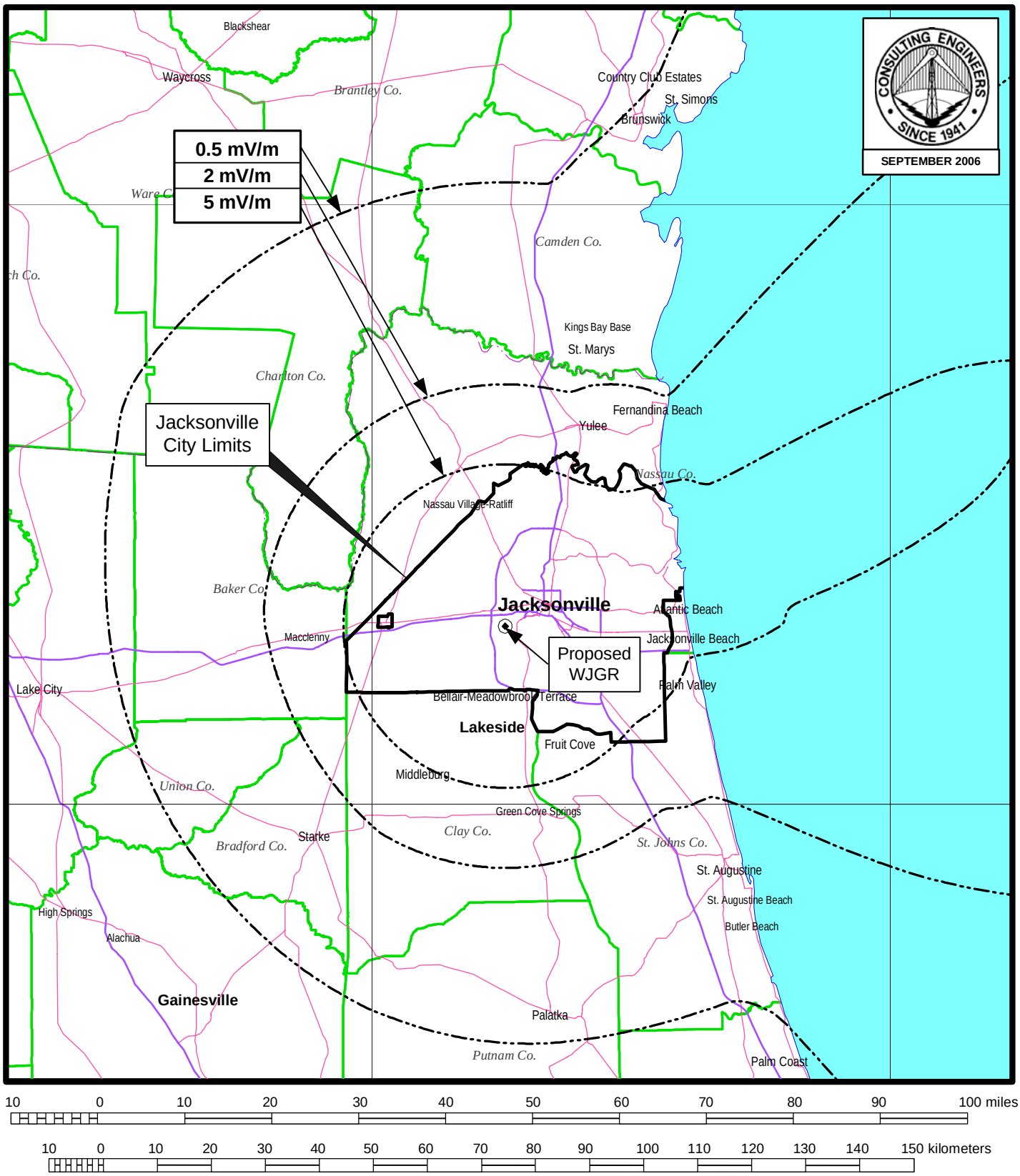
September 11, 2006



PROPOSED COVERAGE CONTOURS

AM STATION WJGR
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du Treil, Lundin & Rackley, Inc. Sarasota, Florida

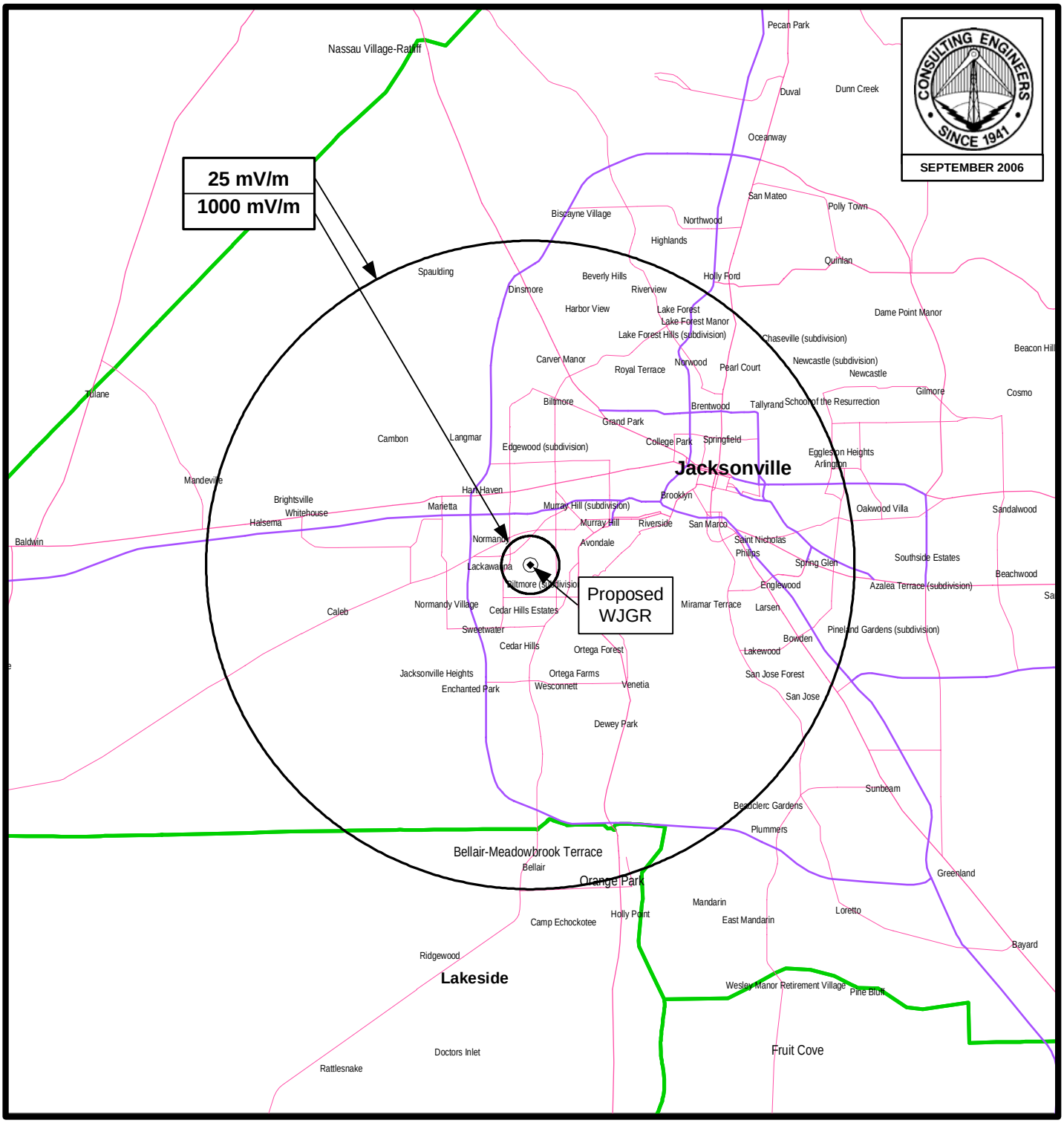

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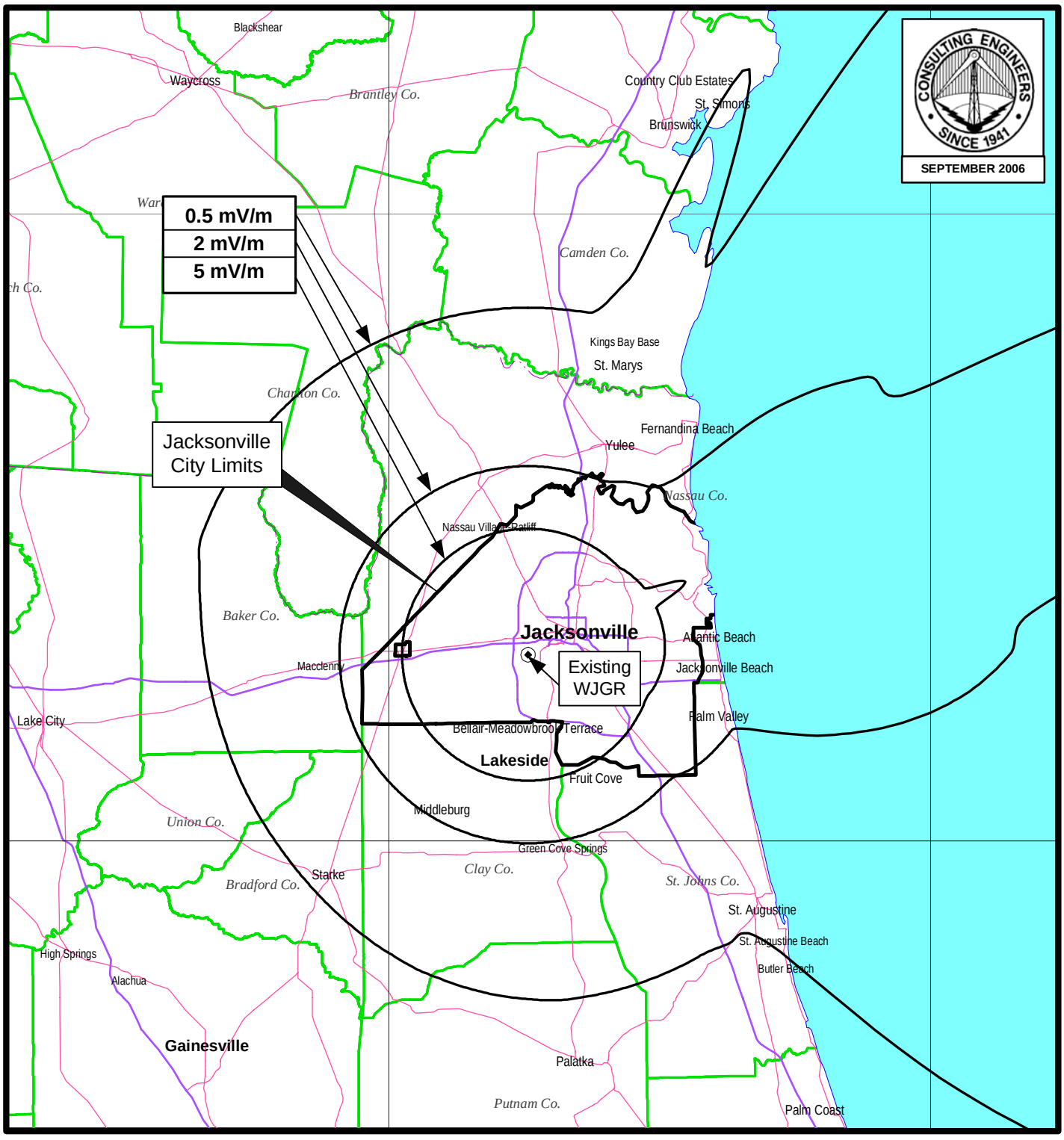
Figure 2



EXISTING COVERAGE CONTOURS

AM STATION WJGR
JACKSONVILLE, FLORIDA
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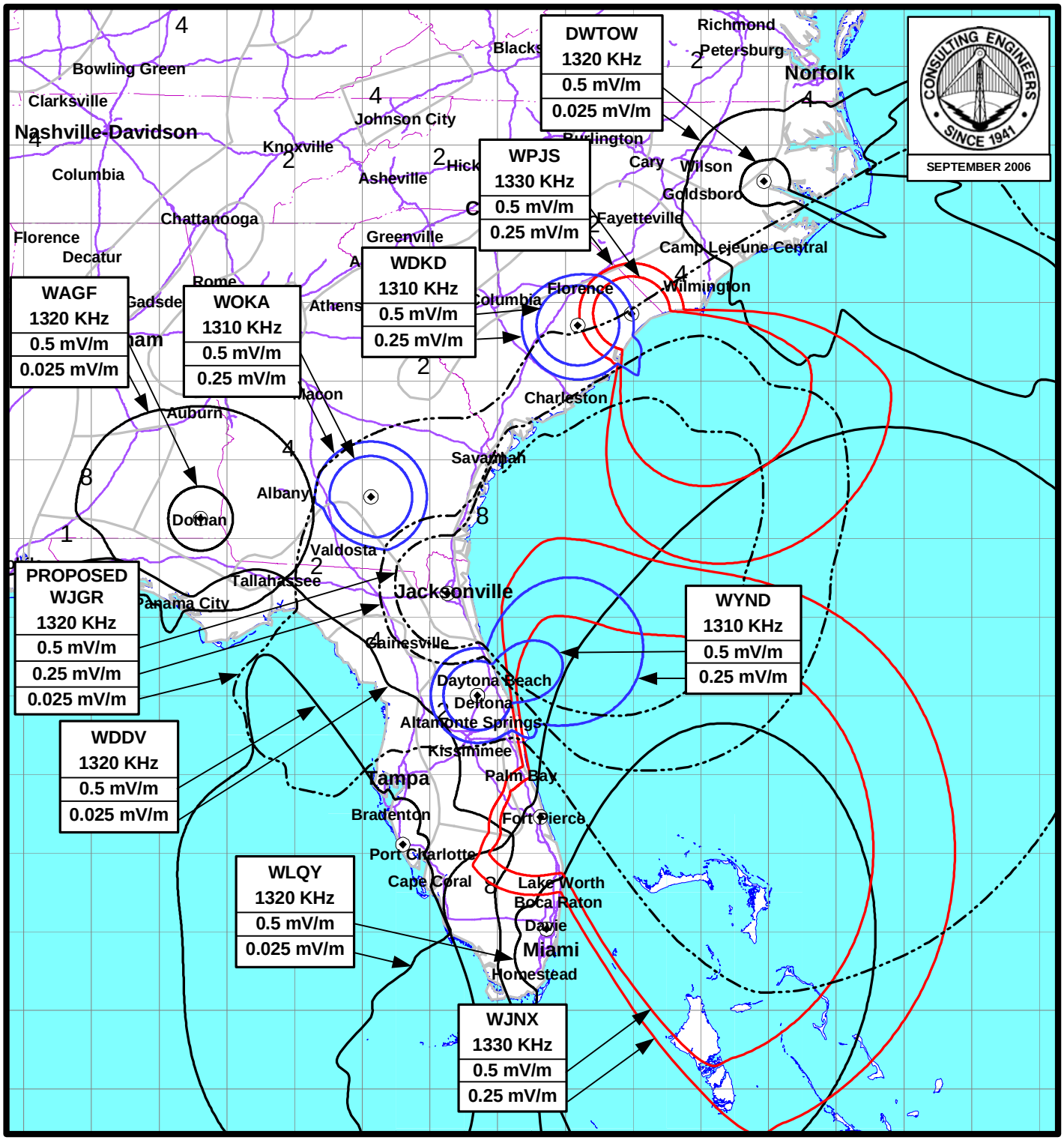
du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 3



DAYTIME ALLOCATION STUDY

AM STATION WJGR
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Tabulation of Data Employed in Calculation
of Groundwave Contours

Station:	**WJGR Jacksonville, FL**
Existing Facility:	1320 KHZ, 5 KW, DA-N, U 30-17-50 N, 81-44-35 W
Existing Radiation:	381.4 MV/M/KM
Conductivity:	Figure M-3
Proposed Facility:	1320 KHZ, 19 KW-D, 5 KW-N, DA-N, U 30-17-50 N, 81-44-35 W
Proposed Radiation:	381.4 MV/M/KM
Conductivity:	Figure M-3
Station:	**WLQY Hollywood, FL**
Proposed Facility:	1320 KHZ, 5 KW, DA-2, U 26-01-53 N, 80-16-42 W
Proposed Radiation:	Standard Pattern
Conductivity:	Figure M-3
Station:	**WJNX Fort Pierce, FL**
Facility:	1330 KHZ, 5 KW-D, 1 KW-N, DA-2, U 27-27-20 N, 80-22-02 W
Radiation:	Standard Pattern
Conductivity:	Figure M-3

Station:	**WYND Deland, FL**
Facility:	1310 KHZ, 10.4 KW-D, 0.12 KW-N, D (CP) 28-59-57 N, 81-17-54 W
Radiation:	311.4 MV/M/KM
Conductivity:	Figure M-3
Station:	**WPJS Conway, SC**
Proposed Facility:	1330 KHZ, 3.2 KW-D, 0.02 KW-N, D 33-51-13 N, 79-01-14 W
Radiation:	333.9 MV/M/KM
Conductivity:	Figure M-3
Station:	**DWTO Washington, NC**
Facility:	11320 KHZ, 0.5 KW-D, 0.05 KW-N, D 35-32-07 N, 77-04-04 W
Radiation:	326.7 MV/M/KM
Conductivity:	Figure M-3
Station:	**WAGF Dothan, AL**
Facility:	1320 KHZ, 1 KW-D, 0.09 KW-N, D 31-14-54 N, 85-23-20 W
Radiation:	428.1 MV/M/KM
Conductivity:	Figure M-3
Station:	**WOKA Douglas, GA**
Facility:	1310 KHZ, 3.9 KW-D, 0.04 KW-N, D 31-31-24 N, 82-52-22 W
Radiation:	376.5 MV/M/KM
Conductivity:	Figure M-3