

EXHIBIT NO. 100A

ENGINEERING EXHIBIT
AMENDMENT TO APPLICATION FOR
CONSTRUCTION PERMIT
FM BROADCAST STATION WYNA
CALABASH, NORTH CAROLINA
FACILITY ID 24932

June 16, 2003

CH 285C2

50 KW

53 M

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Engineering Statement

This engineering statement has been prepared on behalf of Coastline Communications of Carolina, Inc., licensee of FM broadcast station WYNA Calabash, North Carolina. Station WYNA is licensed for operation on channel 285C3 and has an application pending with the Federal Communications Commission requesting a change in transmitting facilities and upgrade to class C2, File No. BPH-20030220AAL. In order to alleviate air navigation concerns, the overall height of the proposed tower has been reduced to 207 feet above mean sea level. Notification of the modified proposal will be supplied to the Federal Aviation Administration.

No change is proposed in the transmitting location to be employed for the Class C2 operation, and information regarding the transmitting site is contained in BPH-20030220AAL. A sketch of the proposed tower and antenna is attached as Figure 1. A six-bay, one-half wavelength antenna will be employed for the proposed

Calabash, North Carolina

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operation. The antenna is circularly polarized and has a gain of 1.913. The antenna radiation center will be 49.4 meters above ground level (58.5 meters AMSL).

Due to the short-spacing with Stations WPDT Johnsonville, SC (channel 286A) and with WSIM Fair Bluff, NC (channel 287C3), processing of the WYNA employing the provisions of 47 CFR 73.215 is requested. The attached map, Figure 2, shows that the WYNA proposal meets the requirements of 73.215 with respect to WPDT and WSIM.

The predicted 70 dBu and 60 dBu contours for WYNA are shown on Figure 3. The entire city of Calabash will be contained within the proposed 70 dBu contour.

The proposed facilities of WYNA were evaluated in terms of potential exposure of humans to radiofrequency radiation exposure. The calculated power density two meters above ground level at the base of the tower is 0.0180 milliwatts per centimeter squared or 9 percent of the power density limit for an uncontrolled environment.

Access to the tower will be restricted and appropriately marked with warning signs. In the event workers or other authorized personnel climb the tower, appropriate measures will be taken to assure worker safety with respect to radiofrequency radiation exposure. Such

Calabash, North Carolina

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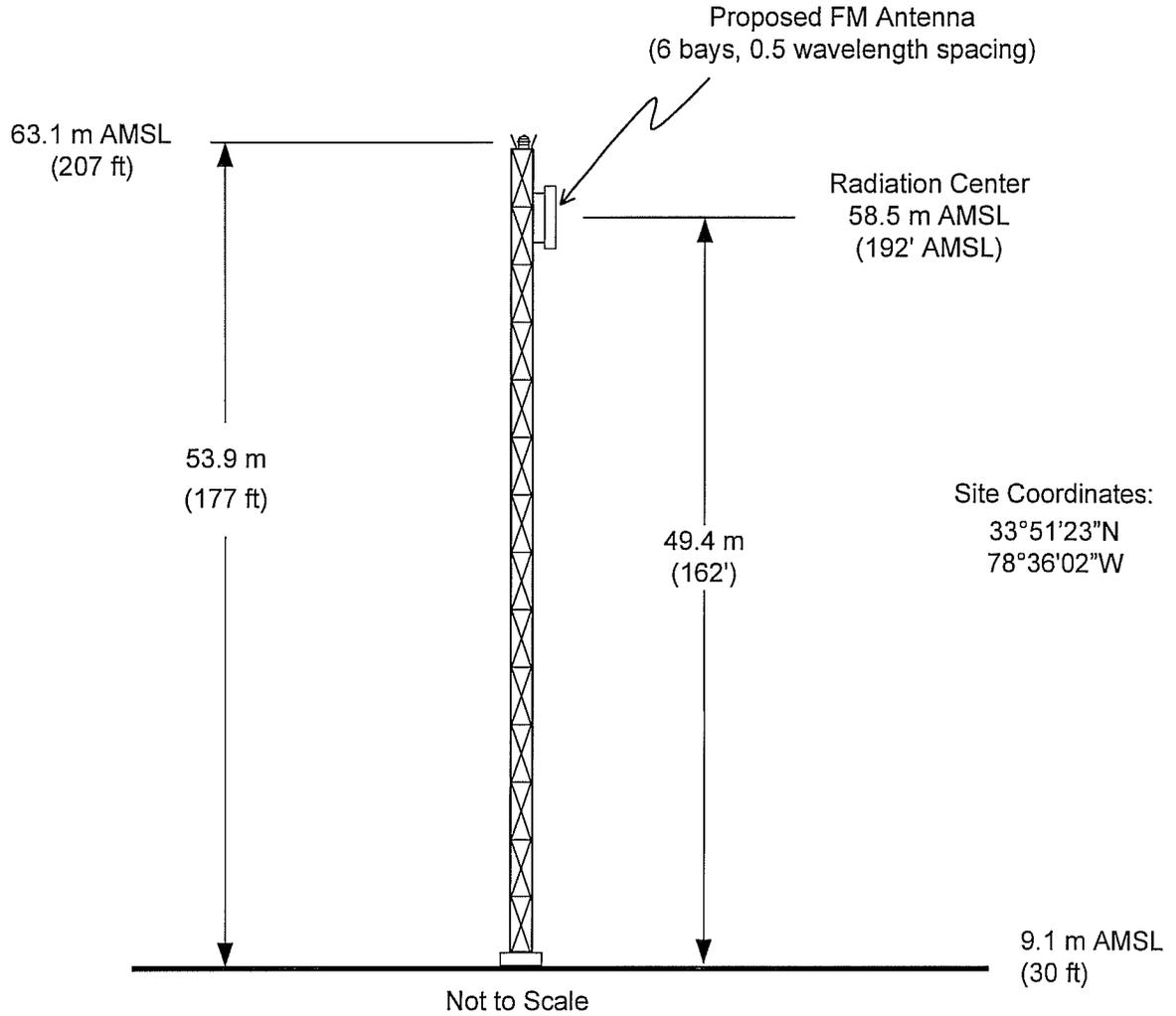
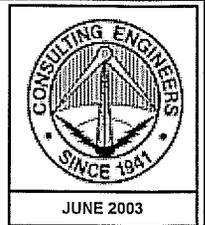
measures include reducing the average exposure by spreading out the work over a longer period of time or scheduling work with the station operating a reduced power or off the air.



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June 16, 2003

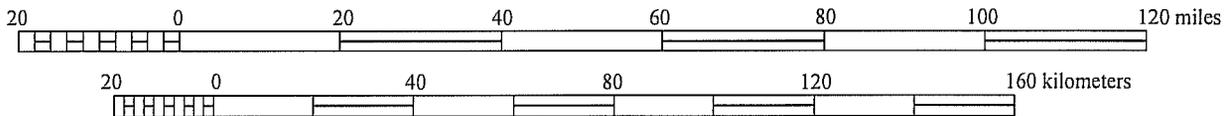
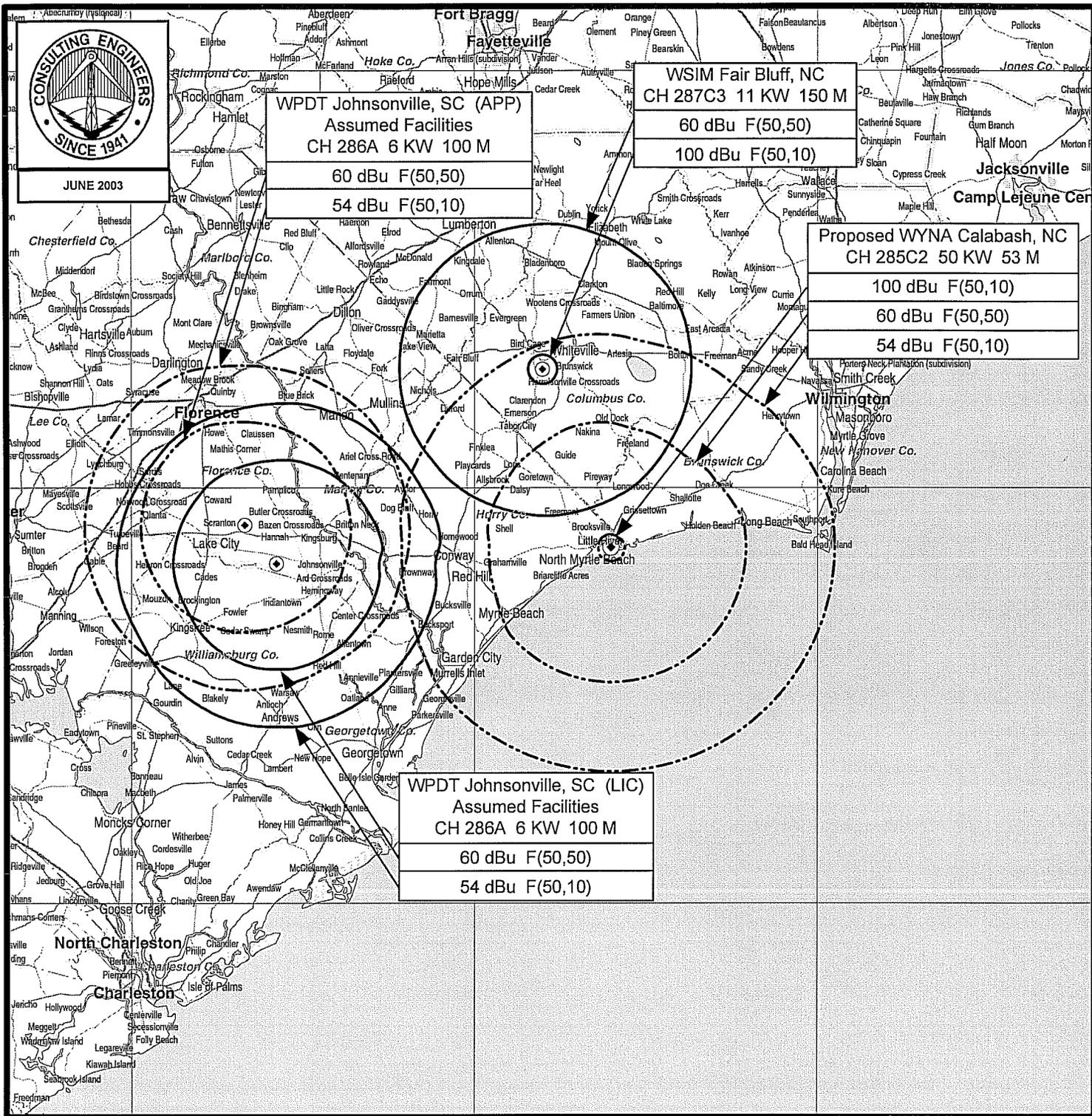
Figure 1



PROPOSED ANTENNA AND SUPPORTING STRUCTURE

FM STATION WYNA
CALABASH, NORTH CAROLINA
CH 285C2 50 KW 53 M

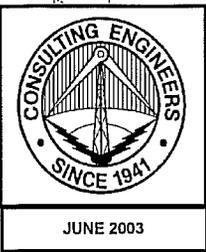
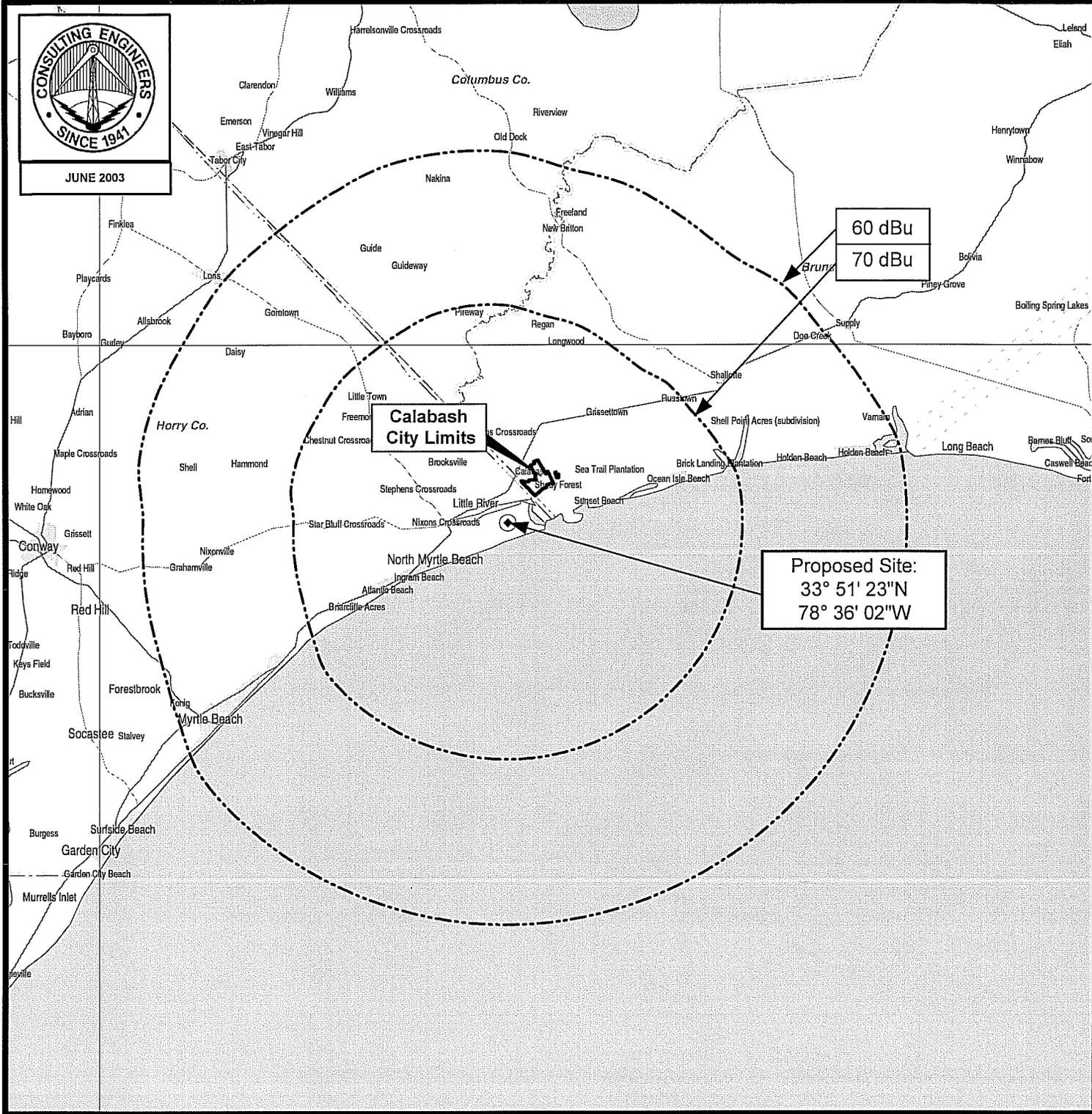
du Treil, Lundin & Rackley, Inc. Sarasota, Florida



ALLOCATION MAP - CONTOURS OF PERTINENT STATIONS

FM STATION WYNA
 CALABASH, NORTH CAROLINA
 CH 285C2 50 KW 53 M

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PREDICTED COVERAGE CONTOURS

FM STATION WYNA
 CALABASH, NORTH CAROLINA
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