

CONSOLIDATED ENGINEERING EXHIBIT

W269DB, FIN #139339

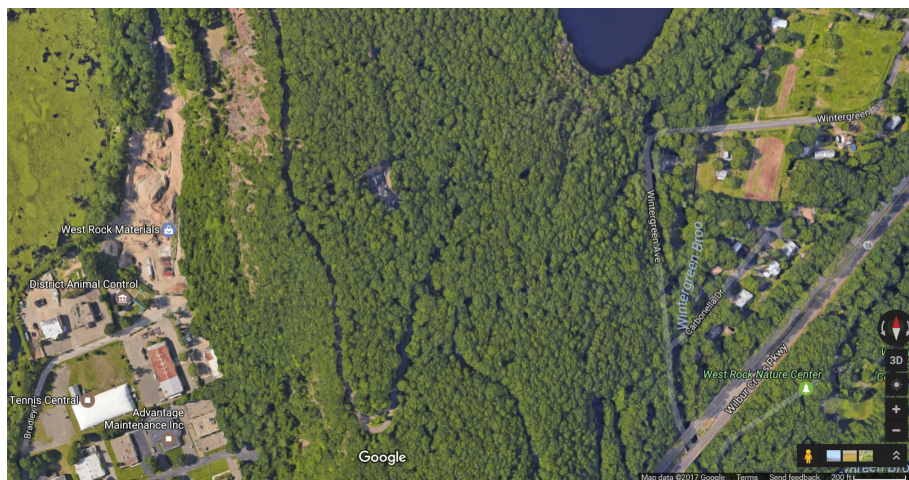
August 2017

Applicant is proposing a minor modification to increase height and reduce power at the existing permitted location of W269DB. No change in coverage contours will result. This application is a continuing minor modification of a permit initially granted under the 2016 250-mile AM Revitalization window, and continues to comply with the 250-mile rule.

An allocation study shows no interference to any stations on co-, first-, second-, third-adjacent or IF frequencies, except as noted below.

Overlap to co-channel WBEA, Southold, NY is entirely over water, as indicated in Figures 2 and 4.

Applicant requests a waiver of 47CFR 73.807 with respect to second-adjacent WKCI, Hamden, CT. WKCI field strength at the proposed location is 91.5 dBu; therefore, the relevant interfering contour from W269DB is the 131.5 dBu contour. Based on a calculated ERP of 76 watts for W269DB, the free-space 131.5 dBu contour radius is 16 m, and thus does not reach ground at the proposed transmitter site. The satellite view below shows that the area around the proposed W269DB site is not inhabited and there are no tall buildings anywhere in the vicinity of the tower, thus no interference to WKCI will occur.



The proposed W269DB operation is co-located with third-adjacent W272DO. Its construction permit (BMPFT-20170208AAP) specifies operation with 250 watts at the same location; therefore, field strength of the proposed W269DB facility at 76 watts would not exceed the prohibited U/D ratio of +40 dB at ground level.

Figure 1 -- Proposed Coverage Contour

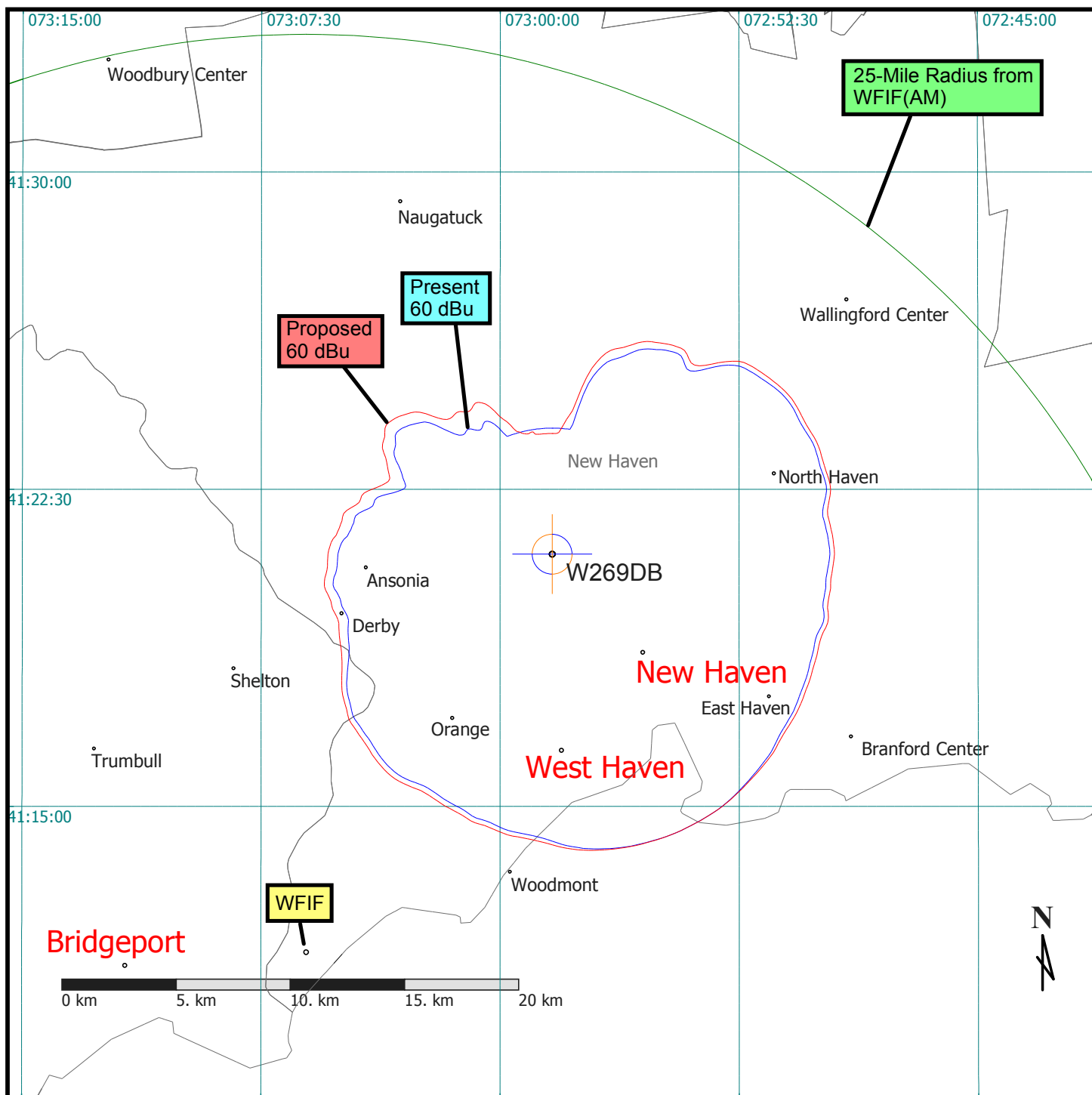


Figure 2 -- Co-Channel and First-Adjacent Interference Contours

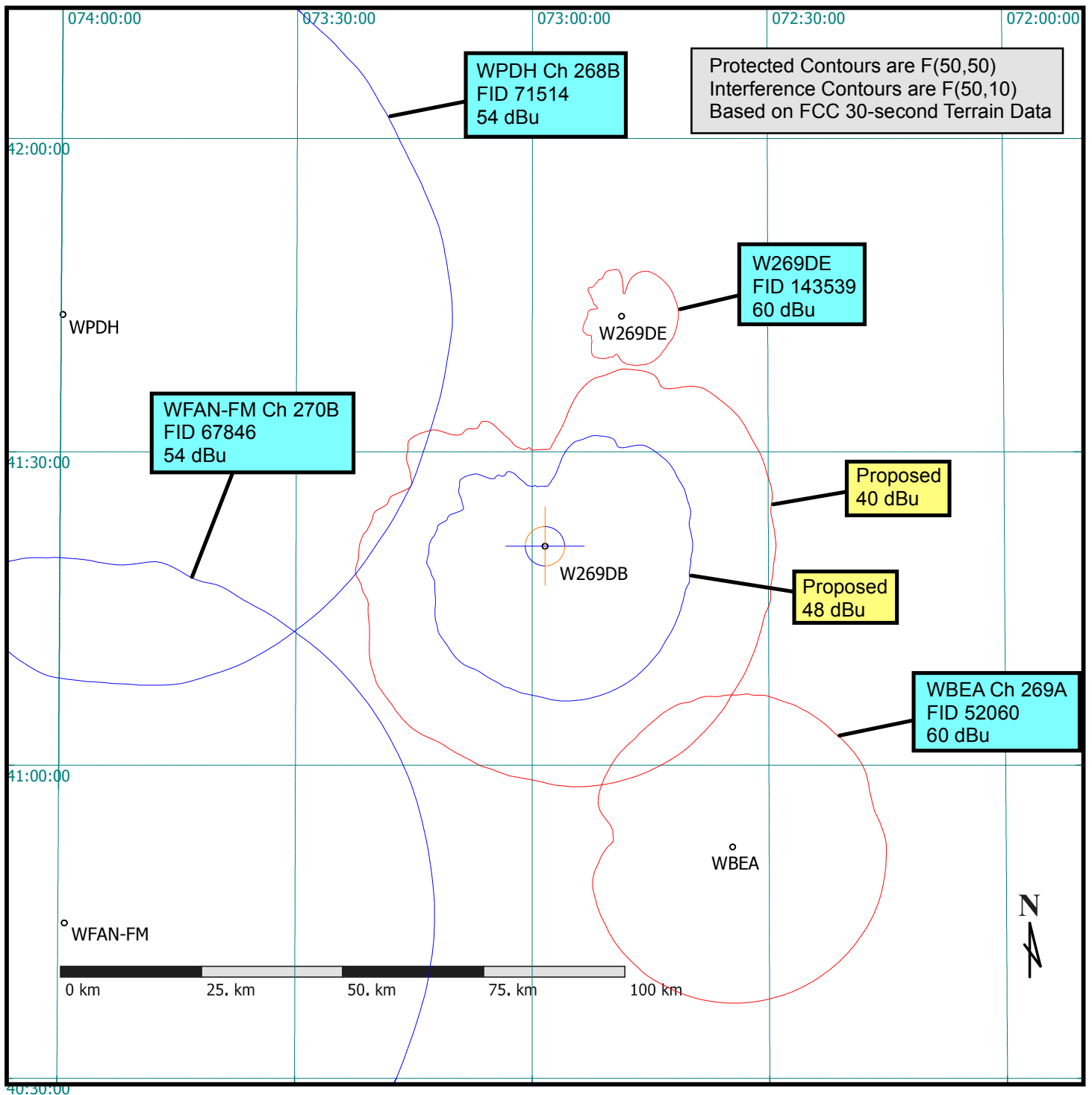


Figure 3 -- Second- and Third-Adjacent Contour Study

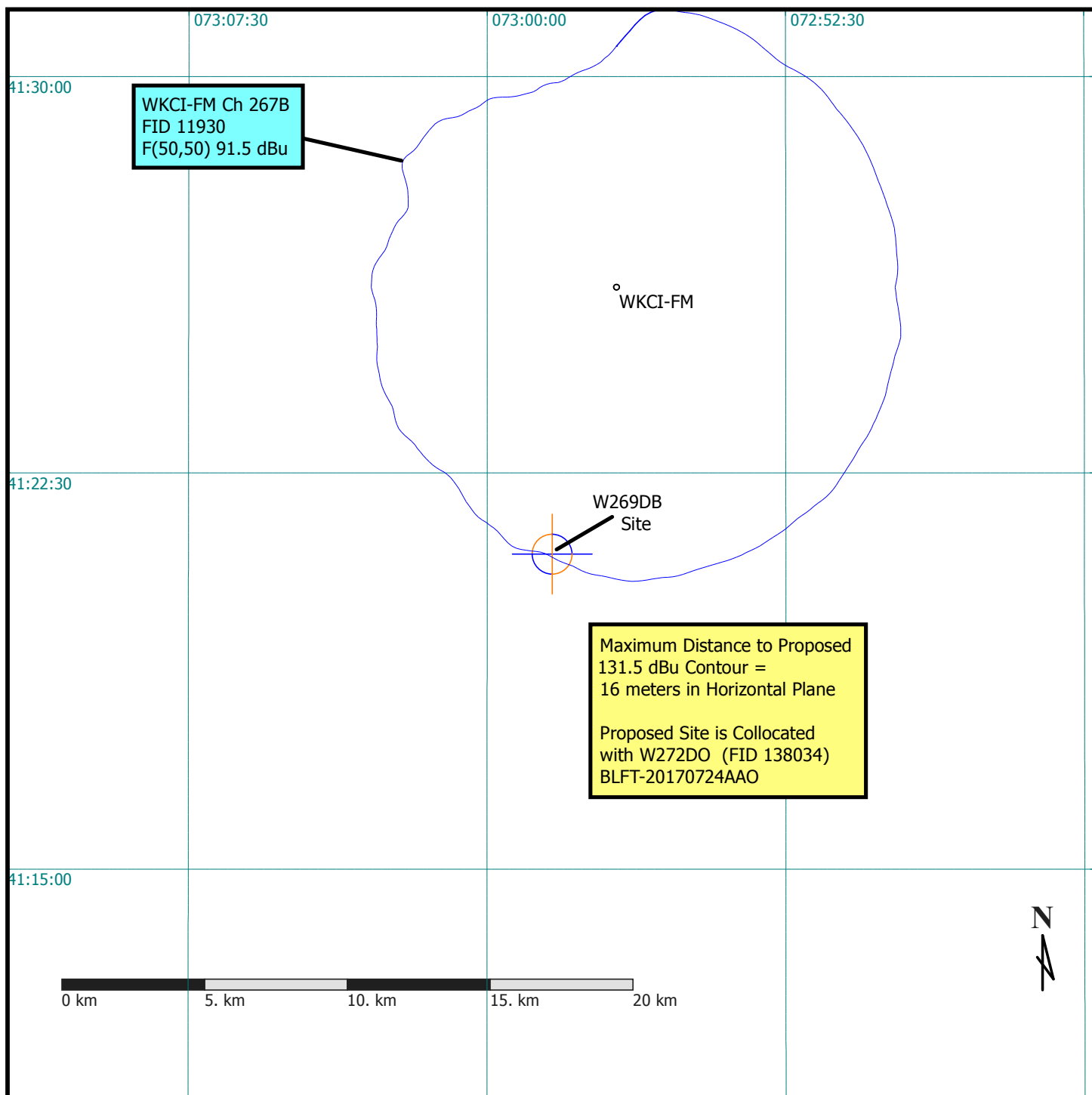


Figure 4 -- Detail of Protection to WBEA

