

HMMH

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MEMORANDUM

To: Karen Sherman, Town Planner
Town of Holliston

From: Christopher Menge, INCE

Date: March 17, 2021

Subject: Further comments on the peer review of noise study for proposed warehouse at 555 Hopping Brook Road, Holliston

Reference: HMMH Project Number 312210

Harris Miller Miller & Hanson Inc. (HMMH) has reviewed comments provided by resident Rami Mitri and the responses prepared by Greg Tocci of Cavanaugh Tocci. We conclude that Mr. Tocci adequately addressed Mr. Mitri's comments and we agree with Mr. Tocci's assessment and statements.



Recently, HMMH conducted an in-depth review of the details of the Cadna model of the proposed facility, its noise sources, berm and wall for noise abatement, and the surrounding environment. We found the model to be carefully prepared with appropriate level of detail, proper characteristics attributed to the ground, no attenuation zones applied for trees, and an accurate model of existing terrain based on 1-foot elevation contour intervals. The image of the model with elevation contours is shown below and matches Figure 3 in the Cavanaugh Tocci report dated January 25. We compared the elevations in several locations with a separate database of the terrain information and found that they compared very closely. We confirmed that the sound power levels for each noise source in the model match the spectra listed in the report. We also checked for lines of sight between the air makeup sources on the building roof and the second-floor receiver locations at the homes. We found that in the model, the wall on top of the berm would block all those direct lines of sight, and therefore would reduce noise levels from all the sources.

Image of Cadna Model showing Terrain Contours, Warehouse, Noise Sources and Receptors

