

MEMORANDUM

TO: Christine Halis, KLM Planning
CHalis@klmplanning.com

FROM: John Emeljanow

DATE: April 5, 2022

RE: Response to Noise Peer Review Comments
Proposed Residential Development
9229 5th Sideroad, Caledon
Caratania Investments

FILE: 120-0460

VIA E-MAIL

Valcoustics Canada Ltd. prepared an Environmental Noise Analysis report, dated January 22, 2021, in support of the above noted residential development. The report was peer reviewed by Thornton Tomasetti on behalf of the Town of Caledon. This memorandum has been prepared to address the peer review comments.

Our response to the two peer review comments are:

1. To complete the noise study, the higher of the traffic volumes on Queensgate Boulevard to the east and west of Landsbridge Street was used. As noted in the peer review, this was done to be conservative by ensuring the sound levels due to road traffic were not underpredicted at the proposed development.
2. The peer review has requested additional detail be provided regarding the extent of sound barrier required to protect the impacted Outdoor Living Areas (OLAs). As correctly noted in the peer review letter, the sound barrier must provide appropriate protection for the OLA by either returning to the dwellings themselves or extending an appropriate length to create a proper overlap. The report recommends a 1.8 m high sound barrier for Lot 56 and part Block 72. The recommended barrier was shown conceptually on Figure 2 of the report.

Figure 1 of this memorandum is from the Preliminary Grading Plan (prepared by Rand Engineering, dated February 2021) and shows the recommended 1.8 m high sound barrier at Lots 71 and 72 (part Block 72 and Lot 56, respectively, in our noise report). The sound barrier is shown returning to the north dwelling facades. This is considered appropriate and provides full acoustical screening of the OLAs from traffic noise generated on Queensgate Boulevard.

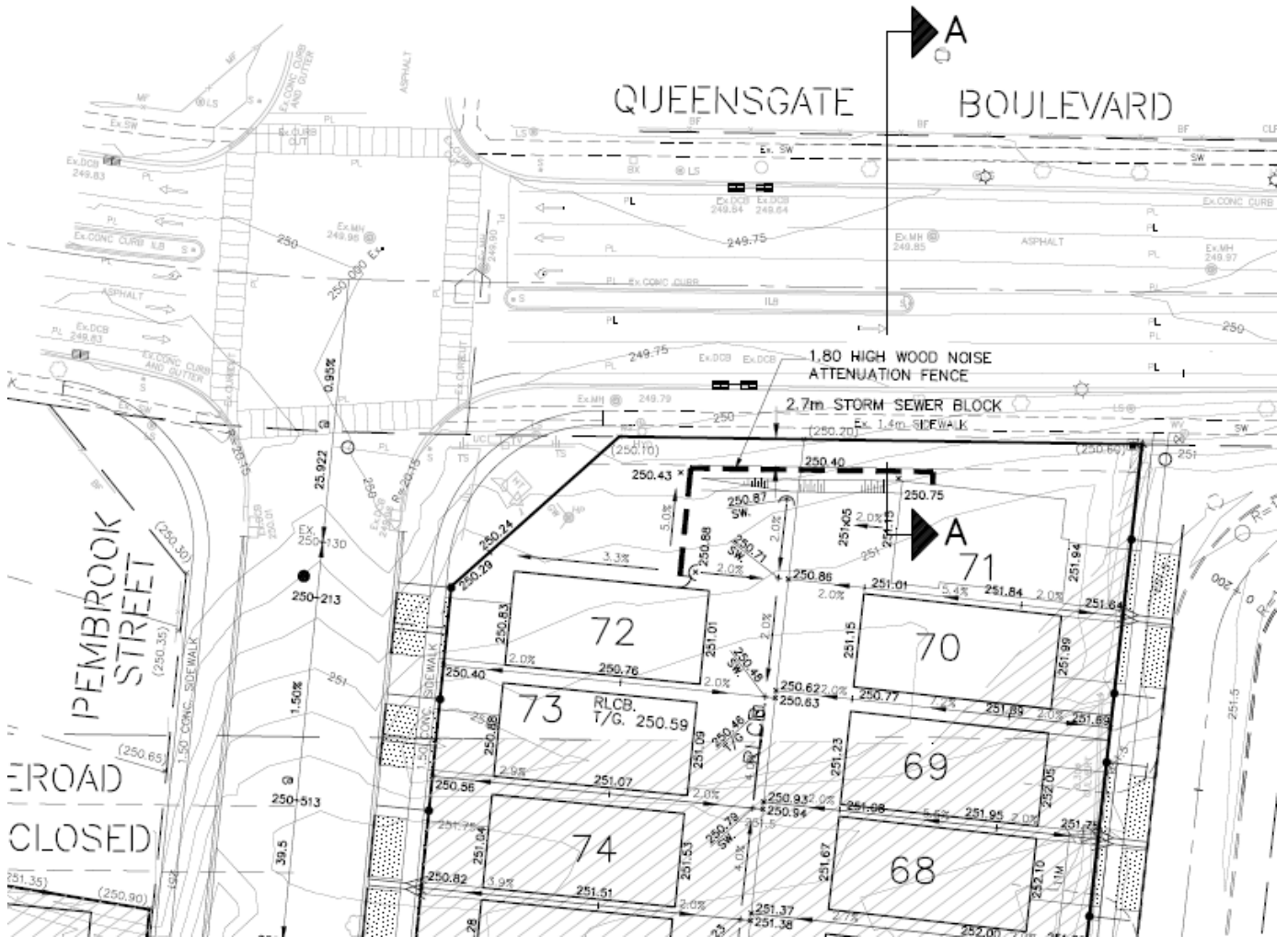
The alternative to returning the sound barrier to the dwelling facades would be to extend it along the north property line towards the fronts of the dwellings. The barrier would need to extend beyond the rear corner of the dwelling a distance at least 3 times the size of the gap between the barrier and the dwelling.

The final sound barrier and grading design should be reviewed to ensure the sound barrier height and extent are adequate to meet the Town of Caledon daytime sound level objectives in the OLA.

Please do not hesitate to call if there are any questions or if additional information is needed.

JEV
J:\2020\1200460\000\Memos\Memo #1 - Sound Barrier Details.docx

cc Brandon Rossi (brandonr@treasurehill.com)



Title
Sound Barrier

Project Name
9229 5th Sideroad

Date
April 5, 2022

Project No.
120-0460

Figure

1