

re: Noise Impact Assessment - Response to City Comments
Proposed Multi-Storey Residential Building
817 Roseview Avenue - Ottawa

to: Mr. Fernando Matos – fmatossoma@gmail.com

date: March 24, 2022

file: PG5898-MEMO.01

Further to your request and authorization, Paterson Group (Paterson) prepared the following memorandum to provide responses to city comments for the proposed development at the aforementioned site. This memorandum should be read in conjunction with our environmental noise control study Report PG5898-1 revision 1 dated March 24, 2022.

Environmental Noise Comments

Comment 1: 2.3. *While a noise reduction railing on the rooftop area will make the inclusion of a clause permissible, the applicant is encouraged to consider further measures to reduce the noise to below 55 dBA in order to make this space as attractive to use as possible.*

Response:

Based on our correspondences with Mr. Fernando Matos, it is understood that the conceptual plan of the proposed building has been revised. It is noted that the proposed rooftop amenity area has also been revised.

A surface transportation noise analysis has been done at the rooftop amenity area. The result of STAMSON modeling indicate that the noise levels at the rooftop amenity area during the daytime period is expected to be 61 dBA, which exceeds the 55 dBA threshold value specified by ENCG. According to ENCG, noise control measures (i.e. barriers) are required to reduce the L_{eq} to 55 dBA where technically and economically feasible. An investigation including noise barriers, which included both the exterior cladding of the proposed building in addition to the installation of a 1 m solid railing around the perimeter of rooftop amenity area found that the noise levels can be reduce to 58 dBA, but cannot be reduced to 55 dBA without the application of an excessively tall barrier.

It is understood that it would be much more attractive to reduce the noise levels at rooftop amenity area to below 55 dBA. However, the surface transportation noise analysis shows that it is not technically and economically feasible to further reduce the noise levels to below 55 dBA.

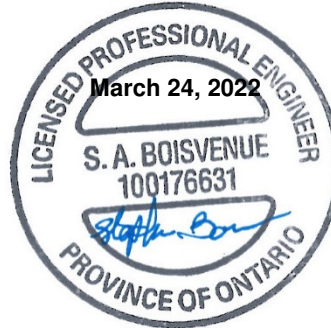
We trust that the current submission meets your immediate requirements.

Best Regards,

Paterson Group Inc.



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