



May 28, 2018

Andrew Finnson
Barrhaven Conservancy East Inc.
Ottawa, ON

Dear Mr. Finnson:

Re: Response to 1st Engineering Comments for Noise Studies
3285 Borrisokane Road
GWE File Ref.: 17-151

This letter describes how we have addressed the 1st round of engineering comments received in the City of Ottawa, in their correspondence dated March 29, 2018 pertaining to the traffic noise feasibility assessment performed for the proposed residential subdivision located at 3285 Borrisokane Road in Ottawa, Ontario. Below is a summary of how each of the comments relating to the noise assessment have been addressed. The number sequences and text in bold below are in reference to each of the numbered comments continued in the City of Ottawa's correspondence.

1. Executive summary and Section 1 – include the civic address

GWE: Included in report.

2. Section 2

a. **The first paragraph states that the site is bordered by Strandherd and Greenbank, this is not accurate. They are near these major roads but do not directly border them as there are other developments between this one and the roads.**

b. It should also mention that these two roads are not considered in the Noise Impact Assessment as they are too far away (beyond the 100m requirement)

GWE: Updated reference to Strandherd, Greenbank Road and Borrisokane Road as outside 100 m, therefore not considered in the traffic noise assessment. Roads are mentioned as surrounding context.

3. Section 4.3 – The Chapman Mills extension will have a BRT line down the middle of it on the east-west portion (which you show as the major collector). The buses will run on the portion on Chapman Mill that runs north-south (the north leg of the road you identify as the minor collector) and connect to Strandherd until the transit ways is extended further west. Please include the transit traffic in your calculations.

GWE: Included BRT down the centre of Chapman Mills Drive (east-west) using BRT volumes from correspondence with a senior reviewer at the City of Ottawa. Appendix A contains the correspondence. STAMSON and Predictor calculations included BRT as a noise source.

4. Provide table with receiver heights, source and receptor distances, angles etc. Revise.

GWE: Table 2 indicates receptor heights while Figure 2 illustrates source-receiver distances and exposure angles.

5. Section 5.2, paragraph 3 – this statement should also mention that if the daytime/nighttime sound level in the plane of a bedroom or living/dining room window is greater than 65 dBA/60dBA, building components including windows, walls and doors, where applicable, should be designed so that the indoor sound levels comply with the sound level limits.

GWE: Updated Section 5.2 with text above.

6. Figure 2 – Show distances and angles.

GWE: Figure 2 updated to show distances and angles.



Should you have any questions, or wish to discuss our findings further, please call me at (613) 836-0934, or contact us by email.

Yours truly,

Gradient Wind Engineering Inc.

A handwritten signature in black ink, appearing to read 'Josh Foster', is positioned above the typed name.

Joshua Foster, P.Eng
Principal
GWE17-151