

# GRADIENTWIND

ENGINEERS & SCIENTISTS

June 7<sup>th</sup>, 2024

**Inside Edge Properties**

464 Bank Street, Suite 200  
Ottawa, Ontario  
K2P 1Z3

Attn: Scott Alain, Senior Planner  
[alain@fotenn.com](mailto:alain@fotenn.com)

Dear Mr. Alain:

Re: Transportation Noise & Vibration Feasibility Assessment  
1657-1673 Carling Avenue  
GW File No.: 23-139 – Noise Addendum Letter

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Gradient Wind Engineering Inc. (Gradient Wind) was retained by Inside Edge Properties to undertake a transportation noise and vibration assessment for a proposed residential development located at 1657-1673 Carling Avenue in Ottawa, Ontario. This addendum letter is supplemental to our transportation noise and vibration report (ref. *Gradient Wind report #23-139 – Transportation Noise & Vibration Feasibility Assessment*, dated August 9, 2023), to address changes in the latest site plan drawings.

Gradient Wind received updated site plan drawings in May 2024. Changes relevant to the noise study include an increase in the height of the building to a total of 28-storeys, and the introduction of a western floorplate change at Level 7. An outdoor amenity space is now present at Level 10. An additional calculation was undertaken at that space, and results show that noise levels are expected to reach 60 dBA. Since this exceeds the criterion of 55 dBA, a noise barrier is recommended to protect the amenity area. Furthermore, the level 7 / 8 northwestern terraces (deeper than 4 m), may also require a noise barrier. **Specific noise control measures will be explored as part of detailed analysis at the time of Site Plan Application.** Overall, the drawings do not depict changes that would alter the noise environment across the site. Therefore, the results and conclusions from the transportation noise and vibration report are still valid.

This concludes our response and review of the design changes for 1657-1673 Carling Avenue in Ottawa, Ontario. Please advise the undersigned of any questions or concerns.

Sincerely,

**Gradient Wind Engineering Inc.**



Essraa Alqassab, B.A.Sc.  
Junior Environmental Scientist  
*Gradient Wind File #23-139 – Noise Addendum Letter*



Joshua Foster, P.Eng.  
Lead Engineer