November 17th, 2023

MPCT DIF 70 Park Street East LP
30 Adelaide St. E., Ste 301
Toronto, ON M5C 3H1

Attn: Alex Heath, Senior Manager
aheath@dream.ca

Dear Mr. Heath:

Re: Transportation Noise and Vibration Feasibility Comment Response Letter
70 Park Street East, Mississauga
GWE File No.: 22-347 – Comment Response Letter

This letter describes how we have addressed the cycle 2 comment prepared by the City of Mississauga and forwarded in September 2023, pertaining to the Transportation Noise and Vibration Feasibility Assessment performed for the proposed mixed-use development located at 70 Park Street East in Mississauga, Ontario (ref. *Gradient Wind Report #GW22-347 – Traffic Noise Feasibility,* dated July 21, 2023). Below is a summary of how the comment relating to the study has been addressed.

1. *The report notes that calculations were completed regarding the existing adjacent stationary noise sources. Please identify where in the report these calculations/analyses are located. If they are not included in the report, please revise the report accordingly to include this information.*

GWE Response: The noise impact from the cooling tower at 66 High Street was calculated using the 'Sound Propagation Level Calculator' developed by MAS Environmental Ltd., which is based on ISO-9613. The following assumptions were made:

- The cooling tower was assumed to have a sound power level of 95 dBA.
- The 27-storey brick building directly to the east was considered to act as a barrier with a height of 74 m.
- The receiver was placed at the Tower's south façade, 100 m above local grade.
- Other parameters used in the calculation can be seen at the end of this letter.

The result shows that the worst-case noise impact from the cooling tower onto the study building is 42 dBA. Therefore, noise impacts from 66 High Street are under the NPC-300 nighttime criterion of 45 dBA. As such, concerns due to noise from the cooling tower are not expected.

This concludes our letter to address the City of Mississauga comment regarding our Transportation Noise and Vibration Feasibility assessment report for the proposed mixed-used residential development located at 70 Park Street in Mississauga, Ontario. If you have any questions or wish to discuss our findings, please contact the undersigned.

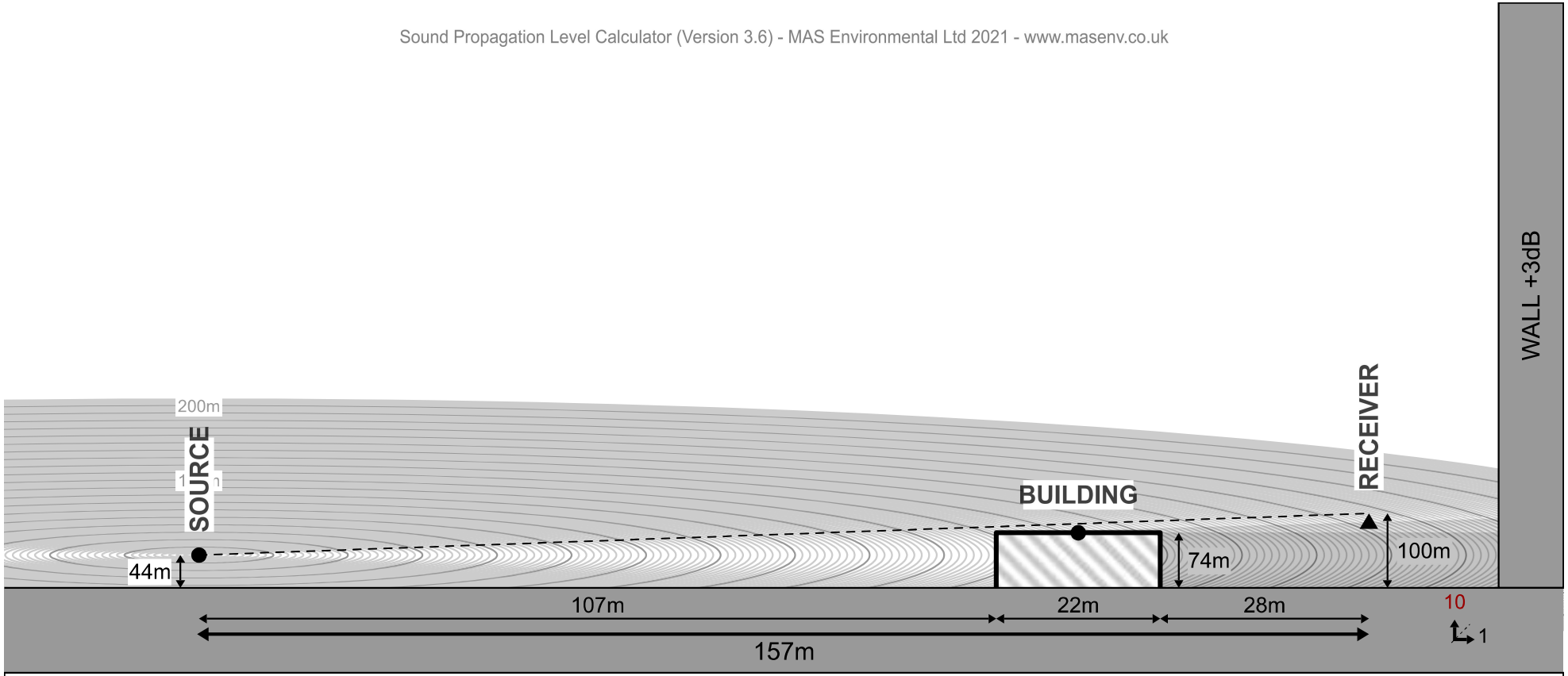
Sincerely,

Gradient Wind Engineering Inc.

Essraa Alqassab, BASc.
Junior Environmental Scientist

Joshua Foster, P.Eng.
Lead Engineer

Gradient Wind File #22-347 – Comment Response Letter



Frequency - Hz	Source - dB	Receiver - dB
1000	95	41.7

Environmental parameters: 20°C Temperature, 70% Humidity, 0 Ground Factor (G)