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April 8, 2024

Aeroustics Project #: 22423.01

The Corporation of the City of Vaughan

Development Services and Environmental Engineering
2141 Major Mackenzie Drive
City of Vaughan, Ontario L6A 1T1

ATTN: Ms. Zaynab Al-waadh

CC: Mr. Andy Lee
Ms. Caitlin De Simone
Mr. George Missios

Subject: Noise & Vibration Feasibility Study Peer Review
2600 & 2700 Steeles Avenue West Residential Development

Aeroustics Engineering Limited (Aeroustics) has been retained by the Corporation of the City of Vaughan to provide a peer review of a Noise and Vibration Feasibility Study and subsequent letter to address updated modeling information as follows:

- Letter "Re: Comments on Class 4 Designation, 2600 & 2700 Steeles Avenue West" prepared by HGC Engineering, dated April 5, 2024; and
- "Noise and Vibration Feasibility Study – Proposed Residential Development – 2600 & 2700 Steeles Avenue West" prepared by HGC Engineering, dated November 21, 2021.

As described in the letter, the proponent developer, Zancor Homes, and the City of Vaughan have been involved in OLT led mediation discussions with UPS. As a result of these discussions, the noise prediction model has been updated with more detailed operational information which indicates exceedances of the nighttime Class 1 sound level limit. This is due to the coupling and uncoupling of trailer trucks which is not considered practical to mitigate at-source. It should be noted that the impulse noise predictions which support this conclusion are based on assumed source sound power levels.

Furthermore, since initial noise study of November 21, 2021, third submission drawings have been submitted which show a proposed 59-storey high-rise building (Tower F) at the northwest corner of the site. Impulse noise from activities at the Riverside Foods facility are shown to be above the Class 1 limits at elevated locations along the proposed building

façade. Source-based mitigation is not considered practical due to the elevated points of reception along the building.

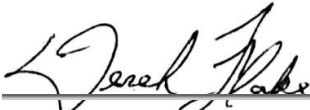
In light of the above, Aeroustics recommends that a Class 4 designation be considered for the proposed development lands.

To conclude, the Noise and Vibration Feasibility Study follows the appropriate noise standards and guidelines and Aeroustics agrees, together with the recently provided information and responses, with the results and conclusions.

Please do not hesitate to call if there are any questions or concerns.

Sincerely,

AERCOUSTICS ENGINEERING LIMITED

A handwritten signature in black ink, appearing to read 'Derek Flake', is written over a horizontal line.

Derek Flake, M.Sc., P.Eng.