

July 12, 2023

Kaneff Properties Limited
8501 Mississauga Road
Brampton, Ontario L6Y 5G8

Re: Addendum to Pedestrian Level Wind Study
3575 Kaneff Crescent, Mississauga
GW File No.: 22-063-WTPLW Addendum

Gradient Wind Engineering Inc. previously completed a detailed pedestrian level wind study for a proposed residential development located at 3575 Kaneff Crescent in Mississauga, Ontario. This letter provides a summary of relevant architectural changes to the site which have been made since the study was issued, as well as the anticipated impact of those changes on the predicted pedestrian wind conditions. For a complete summary of the methodology and results pertaining to the original pedestrian wind study, please refer to Gradient Wind report #22-063-WTPLW, dated April 19, 2022.

Upon review of updated architectural drawings prepared by Turner Fleischer Architects Inc. dated June 8, 2023, the revised building retains a similar overall design to the tested configuration. The only notable revision having significance to pedestrian comfort is an increase in the tower height from 33-storeys to 40-storeys.

It is expected that the increase in tower height will produce somewhat windier conditions at grade at the base of the building, as compared to the tested design. In particular, conditions near the corners of the building will likely become windier, although remaining suitable for walking. The main lobby entrance along the south elevation, as well as the townhouse units along the north and east elevations, are recessed within the building façade, which will provide relief from periodic windy conditions in these areas.

For the Level 5 terrace, conditions are expected to be suitable for standing during the summer months. To improve wind comfort, it is recommended to provide vertical wind barriers to the immediate

northwest of such spaces to deflect oncoming winds. For seating areas closer to the tower façade, overhead protection in the form of canopies or pergolas are recommended to deflect downwash winds. The exact configuration of such mitigation can be coordinated with the design team as the terrace landscape plans develop.

This concludes our review of the design changes for 3575 Kaneff Crescent in Mississauga, Ontario. Please advise the undersigned of any questions or concerns.

Sincerely,

Gradient Wind Engineering Inc.



Andrew Sliadas, M.A.Sc., P.Eng.
Principal

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