

May 10, 2022

Greenwin Corp.
19 Lesmill Road
Toronto, Ontario M3B 2T3

Re: Addendum to Pedestrian Level Wind Study
33 George St N & 28 Elizabeth St N, Brampton
GW File No.: 20-276-WTPLW

Gradient Wind Engineering Inc. previously completed a detailed pedestrian level wind study for a proposed mixed-use development located at 33 George Street North and 28 Elizabeth Street in Brampton, Ontario. This letter provides a summary of relevant architectural changes to the building design which have been made since the study was performed, as well as the anticipated impact of those changes on the predicted pedestrian wind conditions. For a complete summary of the methodology and results of the original pedestrian wind study, please refer to GW report #20-276-WTPLW, dated November 9, 2021.

Although the overall building design remains similar to the tested configuration, several notable changes with respect to pedestrian wind comfort predictions are summarized as follows:

- The stepped east podium segment for Tower 1 has reduced from 11- and 10-storeys to 9- and 7-storeys, while the south podium segment has been removed altogether;
- The Tower 2 floorplate has been extended south and increased from 34- to 37-storeys. The south podium segment has been reduced in planform, and increased from 6-storeys to stepped segments of 5- and 8-storeys;
- The 4-storey podium link between the towers has been eliminated, and the lower podium structure is now a single storey.

In general, wind conditions at grade-level at the base of the building are expected to be similar to those as described in the original study. For retail entrances at the northwest corner of the building, mitigation is recommended, as described in the original report. The retail entrance at the northeast corner of the podium has been relocated to the east elevation where conditions are calmer than along the north elevation. As such, mitigation is not required for this entrance location.

Regarding the podium roof amenity terrace, mitigation will likely be required to ensure suitable wind comfort over much of the space. As described in the original report, it is recommended to install a 2.0-metre-tall wind barrier along the full perimeter of the terrace, and to install canopy or pergola structures for seating areas located near the base of the towers. Additionally, localized wind screening for seating areas near the internal areas of the podium roof is recommended to shelter from prominent northerly and westerly wind direction. The exact configuration of such mitigation can be coordinated with the design team as the landscape plan develops.

Please advise the undersigned of any questions or concerns.

Sincerely,

Gradient Wind Engineering Inc.



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