

May 4, 2020

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109 Atlantic Avenue, Suite 302B
Toronto, ON M6K 1X4

Re: Addendum to Pedestrian Level Wind Study
400 Albert Street, Ottawa
GWE File No.: 19-154-CFDPLW

Gradient Wind Engineering Inc. previously completed a pedestrian level wind study undertaken to assess wind conditions for a proposed mixed-use development located at 400 Albert Street in Ottawa, Ontario. This letter provides a summary of significant 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 pertaining to the original pedestrian wind studies, please refer to GWE report #19-154-CFDPLW, dated August 27, 2019.

Overall, the revised design of the development retains similar characteristics to the tested configuration. At the east side of the site, Tower A at the north has increased from 18 storeys to 23 storeys, while Tower B at the south has decreased from 33 storeys to 29 storeys. Across the mid-block connection, Tower C at the southwest corner of the site has decreased from 38 storeys to 35 storeys. The three-storey podium connecting Tower A and Tower B now successively steps back from the west, creating a terraced design. Above the podium levels, Tower A features increased terracing on the east elevation, while Tower B now steps back from the west with increasing elevation (previously stepped back from the north). The interior layouts of the ground floors have also been modified somewhat, with building entrance locations correspondingly reorganized.

With regard to pedestrian level wind conditions, the revised building heights and forms are not expected to have a significant impact on pedestrian wind conditions at-grade as reported in the original study. For the outdoor common areas at Levels 2 and 3 for the east podium, wind conditions are expected to be calm and suitable for sitting during the warmer seasons. Overall, the results of the original study are considered applicable to the revised building design.

This concludes our review of the design changes for the proposed 400 Albert Street in Ottawa. Please advise the undersigned of any questions or concerns.

Sincerely,

Gradient Wind Engineering Inc.

A handwritten signature in black ink, appearing to read 'ASlihasas', is positioned above the name of the signatory.

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