



October 1, 2015

James Beach, Development Manager  
**Broccolini Construction**  
130 Slater Street  
Ottawa, Ontario  
K1P 6E2

Dear Mr. Beach:

Re: Pedestrian Level Winds – 383 Slater Street, Ottawa  
Addendum to Pedestrian Level Wind Study  
GWE File No.: 15-045-PLW

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Gradient Wind Engineering Inc. (GWE) was retained by Broccolini Construction to undertake a pedestrian level wind study to assess wind comfort for 383 Slater Street, a proposed residential high-rise development located at the northeast corner of the intersection of Slater Street and Bay Street in Ottawa, Ontario. This letter provides a summary of significant 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 GWE report #15-045-PLW, dated June 4, 2015.

Following completion of the pedestrian level wind study, the design development process lead to several changes to the site massing which would potentially influence pedestrian level wind conditions. Specifically, the tower set-back at the east side of the podium has been increased by 6.3 metres. As well, four storeys have been added to the tower, increasing the total height of the building from 78.4 metres to 88.6 metres above grade.

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With regard to pedestrian level wind conditions, the modified tower design will present a similar projected area facing oncoming winds as compared to the tested design, and is not expected to contribute to additional higher-level flows redirected towards grade. Furthermore, the podium retains a similar design to that of the tested configuration, and so grade-level winds around the site are expected to remain comparable.

Overall, the proposed building design modifications outlined above are not expected to significantly influence the wind comfort predictions as outlined in the original study. As such, wind comfort at all pedestrian areas within and surrounding the study site will be acceptable for their intended uses throughout the year. As well, no areas were found to experience conditions too windy for walking, or that could be considered unsafe.

This completes our review of the design changes for the planned development at 383 Slater Street in Ottawa, Ontario. Please advise the undersigned of any questions or concerns.

Yours truly,

***Gradient Wind Engineering Inc.***

A handwritten signature in black ink, appearing to read 'A. Sliadas', is written over a light green rectangular background.

Andrew Sliadas, M.A.Sc.  
Project Manager  
*GWE15-045 PLW Addendum Letter*