



July 31, 2017

Kelly Rhodenizer
Colonnade BridgePort
100 Argyle Avenue, Suite 100
Ottawa, Ontario
K2P 1B6

Dear Ms. Rhodenizer:

Re: Pedestrian Level Winds – 1960 Scott Street, Ottawa
Addendum to Pedestrian Level Wind Study
GWE File No.: 16-043-CFDPLW

Gradient Wind Engineering Inc. (GWE) was retained by Colonnade BridgePort to undertake a computer-based pedestrian level wind (PLW) study for 1960 Scott Street, a proposed residential high-rise development at 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 #16-043-CFDPLW, dated June 3, 2016.

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 podium massing has been reconfigured and now features an L-shaped planform above level 2. As well, the level 2 outdoor amenity terrace has been removed from the revised design, and the level 7 outdoor amenity terrace has been revised to wrap around the north and east sides of the building. Above the podium, the revised building design maintains the square-shaped floorplate, and features a

step-back at the southeast corner at level 21 to accommodate a private terrace. The number of storeys has also increased from 22 to 24.

With regard to pedestrian level wind conditions, the modified building design will present a similar projected area facing oncoming winds as compared to the tested design, and so is not expected to increase higher-level flows redirected towards grade. For the reconfigured ground floor, wind conditions at lobby and retail entrances along the north and west elevations will be suitable for strolling, or better, throughout the year, which is appropriate. The amenity yard at the southeast corner of the building will be well-protected from prominent wind directions, and conditions are expected to be suitable for sitting or more sedentary activities during the warmer months, without the need for mitigation.

On the level 7 terrace along the north and east sides of the building, much of the space will likely not achieve the sitting criterion during the summer months. As well, near the northeast corner of the building, conditions are expected to be somewhat windier and suitable only for strolling during the summer. As such, it is recommended that mitigation in the form of vertical wind barriers be incorporated in the terrace design. The size and configuration of such wind barriers will be determined as the terrace design progresses.

This completes our review of the design changes for the planned development at 1960 Scott 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. Sliasis', is written over a light green rectangular background.

Andrew Sliasis, M.A.Sc.
Project Manager

GWE16-043 CFDPLW Addendum Letter