

April 11, 2019

MHBC
540 Bingemans Centre Drive, Suite 200
Kitchener, Ontario
N2B 3X9

Attn: Mr. Trevor Hawkins

thawkins@mhbcpplan.com

**Re: 284-286 Albert Street & 84-86 Hickory Street – Waterloo
Letter of Opinion – Pedestrian Wind in the Proposed Park
Novus File No. 17-0133**

Dear Mr. Hawkins:

At the request of MHBC, this letter by Novus Environmental Inc. (Novus) provides our opinion on the wind conditions expected in the proposed park at the northeast corner of Hickory Street West and Hemlock Street in Waterloo, Ontario. Novus originally conducted a desktop, experience-based Pedestrian Wind Assessment in the summer of 2018. Our report of August 27, 2018 summarized the pedestrian wind comfort conditions surrounding the proposed development.

The proposed development is five to six storeys in height (approximately 17m to 21m) plus a mechanical penthouse. The building has a rectangular footprint of approximately 23m by 71m, with the long axis parallel to Hickory Street. As discussed in our previous report, the wind conditions around the site are expected to be suitable for sitting or standing year-round. As per **Figure 1**, the proposed site is located immediately west of the proposed park. Hence, the proposed development will provide some shelter



Figure 1: Aerial view of existing site and proposed park
Google Earth Pro™, dated September 8, 2018

for the park from the prevailing westerly winds. This sheltering, combined with the surrounding developments in the area including the nearby Balsam Block (encompassed by Hickory Street, Larch Street, Balsam Street and Hemlock Street), should create wind conditions in the proposed park suitable for sitting and/or standing year-round. These calm wind conditions are considered appropriate for the intended passive usages of a park space.

Should you have any questions or comments, please feel free to contact me.

Sincerely,

Novus Environmental Inc.



Tahrana Lovlin, MAES, P.Eng.
Specialist – Microclimate