The Boundary Layer Wind Tunnel Laboratory

February 7, 2023   via Email

Mr. Drew MacMartin
Managing Director, Land Portfolio
High Street Capital Partners
1303 Lakeshore Rd E
Mississauga, ON

RE: Pedestrian Level Wind Study – 1303 Lakeshore Rd E, Mississauga Proposed Mitigation

Dear Mr. MacMartin:

The purpose of this Addendum Letter is to summarize a recent conversation with Cameron Maybee of the City of Mississauga in regard to the uncomfortable conditions predicted at Probe Location #21 in the report "BLWT_SS27_2021 (Rev 1) 1303 Lakeshore Rd E, Mississauga Final Report 08-22-2022".

To mitigate the proposed wind concerns at the southwest corner of the neighbouring property the following is recommended:

1) Installation of an 8ft high wood privacy screen fence, with adequate porosity (25% to 50% open), along the east side of the property at the location and extent shown in red in the attached Figure 1.
2) In combination with the 8ft porous fence, it is further recommended that coniferous tree plantings be incorporated along the west side of the fence in the area shown in Figure 1. These coniferous trees should have a minimum height of about 1.5m. Alternating or interspersing the coniferous trees with deciduous trees extending above the top of the fence is expected to be beneficial during many months.

In summary, this combination of porous wind screens and tree plantings is expected to improve the comfort at probe Location #21. With this proposed mitigation the comfort level at Location #21 is expected to be suitable for walking during the winter months and remain suitable for standing during the summer months, consistent with the existing configuration.

Sincerely,

Peter Case
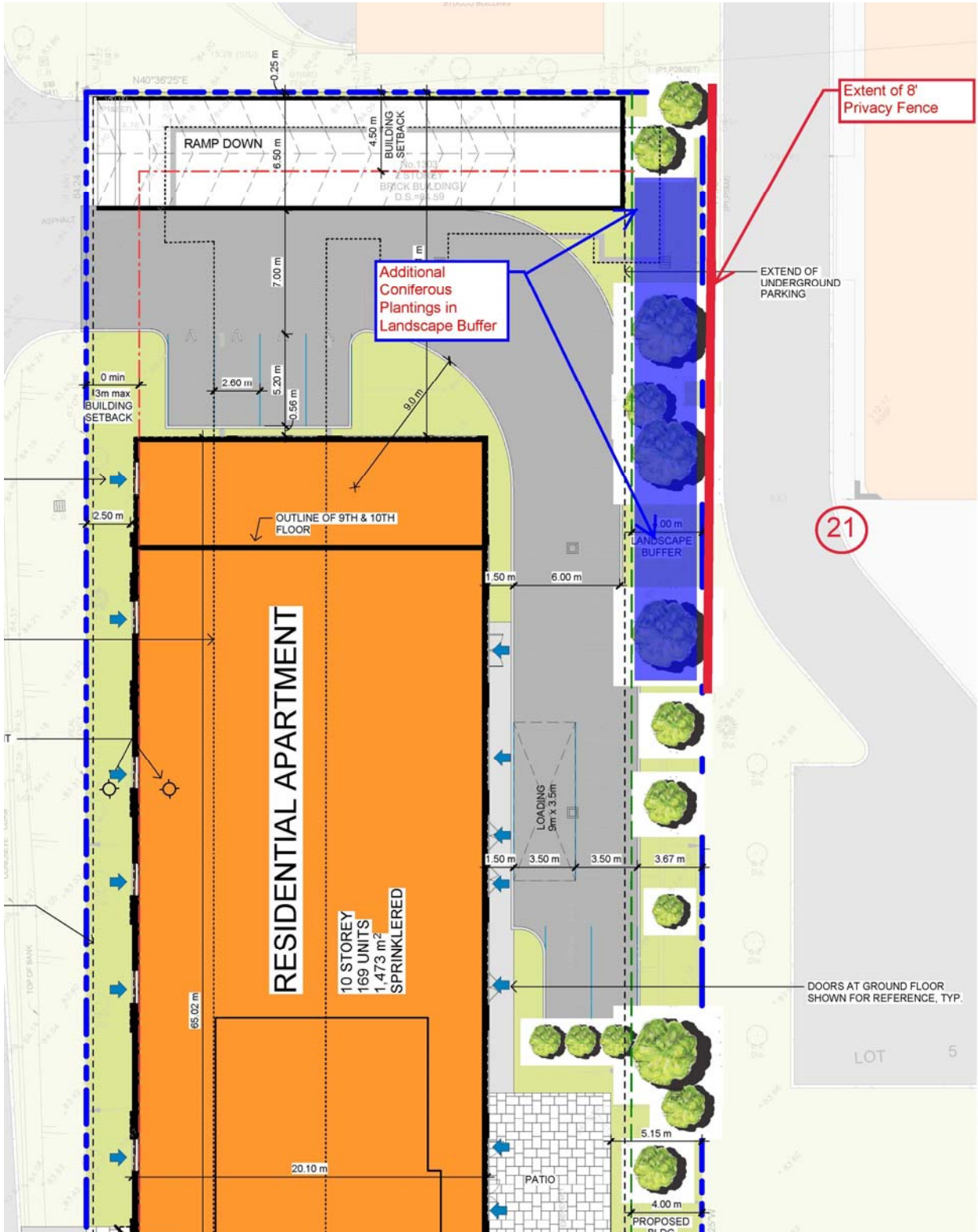Director Operations

Darren Garnham
Project Manager

FIGURE 1   RECOMMENDED MITIGATION FOR 1303 LAKESHORE RD E