

re: Permissible Grade Raise Review

Proposed Sort Facility

1400 Upper Canada Street, Kanata, ON

to: Taggart Realty Management - **Ms. Emily McGirr** - emily.mcgirr@taggart.ca

cc: Purolator Inc. - **Mr. Jonathan Sandiford** - jonathan.sandiford@purolator.com

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file: PG4783-MEMO.01

Further to your request, Paterson Group (Paterson) prepared the current memorandum to document our review of the permissible grade raise recommendations provided in the Geotechnical Investigation Report (Paterson Group Report PG4783-MEMO.01 Revision 1 dated January 31, 2020) with respect to proposed grading at the subject site.

Specifically, the aforementioned report provided a permissible grade raise restriction of 2 m for grading at the subject site.

Based on discussions with the client, it is understood that consideration is being given to having a finished floor elevation for the proposed building at geodetic elevation 105.5 m. Reviewing existing site grades and the proposed finished floor elevation, the majority of the proposed grading would be within the permissible grade raise restriction of 2 m. However, minor permissible grade raise exceedances of approximately 0.1 to 0.4 m were noted, particularly at the northeast corner of the proposed building, but also at isolated locations in the west-central portion of the proposed building.

Given that the permissible grade raise exceedances are considered minor, and are only located within limited areas of the proposed building where very stiff to stiff clays were encountered in the boreholes, the proposed finished floor elevation of 105.5 m is considered acceptable from a geotechnical perspective.

The proposed grade raises should be present in conjunction with the bearing resistance values provided in the aforementioned Geotechnical Investigation Report which was prepared for the subject site.

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We trust this memo report is satisfactory for your present requirements.

Best Regards,

Paterson Group Inc.



Scott S. Dennis, P.Eng



Paterson Group Inc.

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