PATERSON GROUP

memorandum

re: **Grading Plan and Civil Engineering Design – Geotechnical Review**
Proposed Low-Rise Residential Development
3040 & 3044 Innes Road – Ottawa, Ontario

to: Landric Homes - **Mr. Eric Danis** – ericdanis@constructionlaverendrye.com
cc: Novatech – **Mr. Ryan Poulton** – r.poulton@novatech-eng.com
date: November 2, 2023
file: PG5763-MEMO.02

Further to your request and authorization, Paterson Group (Paterson) prepared the current memorandum to complete a grading plan review for the proposed residential development at the aforementioned site. This memorandum should be read in conjunction with Paterson Geotechnical Report PG5763-1 Revision 3 dated November 2, 2023.

Background Information

Based on the above-noted geotechnical investigation, the subsurface profile across the subject site consists of silty sand followed by stiff to firm brown to grey silty clay. The geotechnical report recommended a permissible grade raise restriction of 2.0 m for the property based on the shear strength and consistency of the underlying silty clay.

Grading Plan and Civil Engineering Design Review

Paterson reviewed the following plans prepared by LRL Engineering for the proposed development as part of the current geotechnical assessment:

- ❏ Project No. 210374 – Grading and Drainage Plan – Drawing No. C301, Revision 5 dated October 23, 2023.
- ❏ Project No. 210374 – Servicing Plan - Drawing No. C401, Revision 5 dated October 23, 2023.

Based on our review of the above noted drawing, all proposed grading for the subject development is in accordance with the recommendations of the geotechnical report. Therefore, the proposed grading is considered acceptable from a geotechnical perspective and no lightweight fill will be required for the proposed building.

Furthermore, the maximum depths of the proposed services are higher than the proposed buildings underside of footing (USF). Therefore, installation and/or maintenance of the servicing will not impact the building's lateral support. The proposed servicing is in accordance with the recommendations of the geotechnical report and is considered acceptable from a geotechnical perspective.

We trust that the current submission meets your immediate requirements.

Best Regards,

Paterson Group Inc.

Owen R. Canton, B.Eng.

Joey R. Villeneuve, M.A.Sc., P.Eng.