

**re: Geotechnical Response to City Comments**  
**Proposed Mix-Use Development**  
**1131-1151 Teron Road - Ottawa**

**to: Renfroe Land Management – Mr. David Renfroe – [davidrenfroe@outlook.com](mailto:davidrenfroe@outlook.com)**

**date:** September 20, 2021

**file:** PG5283-MEMO.02

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Further to your request and authorization, Paterson Group (Paterson) prepared the current memorandum to complete a grading plan review for the proposed mix-use development at the aforementioned site. This memorandum should be read in conjunction with Paterson Geotechnical Report PG5283-1 Revision 1 dated September 20, 2021.

## **Background Information**

Based on the above noted geotechnical investigation, the subsurface profile across the subject site generally consisted of topsoil and/or fill overlying a layer of loose brown silty sand with clay. A very stiff to stiff brown silty clay crust is encountered below the silty sand layer at an approximate depth of 0.6 m – 2.0 m below ground surface, followed by a stiff to firm grey silty clay deposit.

Due to the presence of a silty clay deposit at the aforementioned site, a permissible grade raise restriction of 2.0 m was provided in our geotechnical report based on the shear strength and consistency of the underlying silty clay deposit.

The following section summarizes our review of the proposed grading plans in conjunction with the permissible grade raise restrictions provided in the geotechnical report.

## **Grading Plan Review**

Paterson reviewed the following Grading Plan prepared by WSP for the proposed residential development be located at the aforementioned as part of the geotechnical assessment:

Project No. 20M-01534-00 – Grading Plan – Drawing No. C02 Revision 2, dated September 3, 2021.

Based on our review of the above noted drawing, the proposed grading coincides with the permissible grade raise restrictions with no exceedances noted. Therefore, the proposed grading is considered acceptable from a geotechnical perspective and no lightweight fill will be required for the proposed building.

We trust that the current submission meets your immediate requirements.

Best Regards,

**Paterson Group Inc.**



Maha Saleh, P.Eng (Prov.)



David J. Gilbert, P.Eng

**Paterson Group Inc.**

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