

re: **Geotechnical Landscape Plan Review**
Proposed Residential Development – Wateridge Block 105
Mikinak Road & Vedette Way – Ottawa, Ontario
to: Mattamy Homes – **Conor Sutherland** – Conor.Sutherland@mattamycorp.com
date: November 7 2025
file: PG7353-MEMO.02

Further to your request and authorization, Paterson Group (Paterson) prepared the current memorandum to provide a review of the landscaping plans with respect to tree planting setbacks from the building foundations within the proposed residential development. The current memorandum should be read in conjunction with the Geotechnical Investigation Report (Paterson Report PG7353-1 Revision 1 dated April 30, 2025) and Paterson memorandum PG7353-MEMO.01 dated October 30, 2025.

Paterson reviewed the following plans prepared for the aforementioned residential development:

- Block 105, 615 Mikinak Road, Wateridge Village – Job No. 25-066 - Landscape Plane – Sheet No. L1.0 – Revision 5 dated October 21, 2025, prepared by NAK design strategies.

Paterson completed laboratory testing in accordance with City of Ottawa Tree Planting in Sensitive Marine Clay Soils (2017) Guidelines. Based on the results of this testing, the silty clay at the subject site is considered to be a low to medium sensitivity clay. **As such, a tree planting setback limit of 4.5 m from foundation walls is applicable for small (mature tree height up to 7.5m) and medium size trees (mature tree height 7.5 m to 14 m)** provided that, among other conditions, the underside of footing (USF) of the adjacent building(s) is 2.1 m or greater below the finished grade. Reference should be made to the aforementioned geotechnical report and PG7353-MEMO.01 for further recommendations regarding tree planting setbacks and restrictions.

Geotechnical Review

Paterson completed a review of the aforementioned landscape plan prepared by others. Based on our review, the proposed trees at the subject lots are generally noted to consist of medium deciduous trees and were noted to be setback a minimum of 4.5 m away from the foundations of the proposed residential dwellings. As such, the proposed tree planting is considered to be acceptable from a geotechnical perspective.



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We trust that this information is satisfactory for your immediate requirements.

Best Regards,

Paterson Group Inc.

Kevin A. Pickard, P.Eng.

