



# TREE CONSERVATION REPORT ADDENDUM

3100 Leitrim Road

Tree Conservation Report Addendum submitted as  
Partial Requirements for a Site Plan Control  
Application, May 25, 2023

**Dendron Forestry Services**



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# Tree Conservation Report Addendum

Submitted as part of Site Plan Control Application

**Address:** 3100 Leirim

**Date of Report:** May 26, 2023

**Date of Site Visit:** May 17, 2023

**Prepared by:** Astrid Nielsen, MFC, RPF (Registered Professional Forester)  
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**Client:** Ms. Melissa Côté, MCIP, RPP  
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Taggart Investments & Tartan Homes  
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K1V 8Y3

**This Report must be read in its entirety, including the Assumptions and Limiting Conditions attached herein.**

### **Purpose of the Report**

This Tree Conservation Report Addendum has been prepared for Melissa Côté from Taggart Investments & Tartan Homes, as partial requirements for the Site Plan Control Application submitted to the City of Ottawa. The objective of this Addendum is to provide additional information regarding the impact to the hedgerow of trees located to the south of the proposed Barrett subdivision, west of Bank Street and south of Leirim Road. This hedgerow was identified for removal in the Tree Conservation Report Update prepared by Bernie Muncaster from Muncaster Environmental Planning Inc, dated June 27, 2022. Since this report, new information has become available regarding the exact location of the hedgerow which is shown to be on the adjacent cemetery lands. This report includes an analysis of the impact of these trees by the proposed retaining wall and provides recommended mitigation strategies to reduce overall impact with the goal of retaining these trees and ensuring long-term health and viability.

### **Methodology**

The following materials were reviewed as part of this report:

- Redi-rock retaining wall design (RR1) prepared by Paterson Group dated January 13, 2023



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- Environmental Impact Statement and Tree Conservation Report Update prepared by Muncaster Environmental Planning Inc dated July 27, 2022
  - GeoOttawa tree inventory layer and aerial photography
  - Google© Street View imagery – various years

A site visit was conducted to collect the following information from the hedgerow:

- Average diameters at breast height (1.3 m from grade)
- Number of each species
- Distances to the property line

### Hedgerow Description

The hedgerow in question runs approximately east-west along the southern property boundary. To the south is Hope Cemetery, on whose property the trees stand. The properties are separated by a chain link fence which runs along the property line.

The hedgerow consists of approximately 50% spruce (*Picea spp.*), 20% Scot's pine (*Pinus sylvestris*), 20% red pine (*Pinus resinosa*), 10% serviceberry shrubs (*Amelanchier spp.*) with one crabapple (*Malus spp.*) and one eastern white cedar (*Thuja occidentalis*) also noted. The trees are planted in two rows, with the closer row between 1.5-2.5m away from the fence, and the further row approximately 2-3m further into the cemetery lands. This means the more southern row is on average approximately 4m away from the fence. Branches from the trees hang approximately 1-4m over the subject property.

The subject property slopes downwards from Bank Street, and there is variability in height differential between the hedgerow and the subject property. Towards the eastern side, the subject property is generally higher than the trees, whereas towards the west, the subject property is significantly lower. This variation will affect the severity of impacts to the trees.

### Impacts by the proposed retaining wall

The proposed retaining wall will be set back approximately 15-20 cm from the property line, which roughly corresponds to the existing fence, and in some locations sits slightly north of the fence. The location of the property line relative to the fence was confirmed during the site visit as it had been marked a few days earlier with paint and stakes. The height of the retaining wall height along this section will vary from 2.7 m to 3.2 m. The installation for the wall will require excavating approximately 50 cm to install a layer of compacted granular material for support. Based on this information, the roots of the trees will either be severed, or very much compacted at the beginning of the retaining wall, at approximately 1.7 to 2.7 m from the first row of trees.

The diameters of these trees range from 35 to 45 cm and likely have root systems that extend as far as 4.5 m from the trunk. Based on this distance, the retaining wall will involve severing 1.8 to 2.8 m of roots, or approximately 15-25% of the rooting system.



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In addition to the roots, the branches will also conflict with the proposed retaining wall, and significant pruning will be required. Branches of some of the larger spruce extend out up to 4 m past the property line in some locations and are close to the ground. It is unlikely that the branches will extend to the new roadway which will be set back approximately 3 m from the property line.

### Recommended mitigation measures

#### *Root cutting*

To reduce impacts to the roots, it is recommended that they be severed prior to excavation using manual methods, or a mechanical saw. Tearing with an excavator causes more damage to the roots and reduces their chances of sealing properly to avoid pathogens from entering. Any exposed roots should be covered immediately with fill, or organic material, to avoid desiccation.

#### *Tree pruning*

The overhanging branches should be pruned by a certified arborist prior to construction commencing.

#### *Infill planting*

Should there be tree decline or loss, there are some pockets along the property line that could make for suitable planting locations for new trees. For any new plantings, native tree species are recommended.

The undersigned personally inspected the property and issues associated with this report on May 17, 2023. On Behalf of Dendron Forestry Services,



Astrid Nielsen, MFC, RPF (Registered Professional Forester)

ISA Certified Arborist®, ON-1976

ISA Tree Risk Assessment Qualified

Principal, Dendron Forestry Services

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Figure 1: Hedgerow facing towards Bank Street. Note the low hanging branches that will require pruning





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Figure 2: View of the hedgerow facing bank street from the cemetery side.



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This Report is based on the circumstances and on-site conditions as they existed at the time of the site inspection and the information provided by the Client and/or third parties to Dendron. On-site conditions may limit the extent of the on-site inspection(s) conducted by Dendron, including weather events such as rain, flooding, storms, winds, tornados, snowfall, snow cover, hail; obstructions including fencing, dwellings, buildings, sheds, plants, and animals; lack of access to the entire perimeter of the tree due to adjacent properties; the shape of the tree; and accessibility of the tree crown, branches, trunk, or roots for examination.

In the event that information provided by the Client or any third parties, including but not limited to documents, records, site and grading plans, permits, or representations or any site conditions are updated or change following the completion of this Report, this Report is no longer current and valid and cannot be relied upon for the purpose for which it was prepared. Dendron and its agents, assessors, and/or employees are not liable for any damages, injuries, or losses arising from amendments, revisions, or changes to the documents, records, site and grading plans, permits, representations, or other information upon which Dendron relied in preparing this Report.

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Trees and plants are living organisms and subject to change, damage, and disease, and the results, observations, interpretations, analysis, recommendations, and conclusions as set out in this Report are valid only as at the date any inspections, observations, tests, and analysis took place. No guarantee, warranty, representation, or opinion is offered or made by Dendron as to the length of the validity of the results, observations, interpretations, analysis, recommendations, and conclusions contained within this Report. As a result the Client shall only rely upon this Report as representing the results, observations, interpretations, analysis, recommendations, and conclusions that were made as at the date of such inspections, observations, tests, and analysis. The trees discussed in this Report should be re-assessed periodically and at least within one year of the date of this Report.

#### No Opinion regarding ownership of the Tree

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#### Assumptions

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Without limiting the foregoing, no liability is assumed by Dendron for:

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- b) issues of title and or ownership respect to the Property;
- c) the accuracy of the Property line locations or boundaries with respect to the Property; and
- d) the accuracy of any other information provided to Dendron by the Client or third parties;
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Notwithstanding any of the above, nothing in this Report is taken to absolve the Client of the responsibility of obtaining a new Report in the event that the circumstances of the tree change.