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November 6, 2018

Bob Croft and Jim Keefe
931 Redfern Street
Victoria, BC
V8S 4E7

Subject: Driveway and Fence Construction at 931 Redfern Street

The attached landscape plans indicate the existing driveway will be repaved with concrete slabs and a 6' privacy fence is to be constructed along the south property line. Both will require excavation within the critical root zone (CRZ) of a ~100cm DBH Weeping Willow (*Salix babylonica*), located on the neighbour's property immediately south of existing fence and driveway. In our opinion, both of these features can be constructed with little to no impact on the health of the tree.

We recommend the project arborist be on site to supervise the removal of the existing driveway, Care should be taken to not damage any surface roots that may be encountered directly below the surface. Where the driveway footprint encroaches within the CRZ of the tree, the paving stones can be installed directly on top of the existing base layer. Alternatively, if the construction of a new base layer is desired and roots are not encountered directly beneath the existing driveway surface, a minimal amount of excavation may be performed under arborist direction. The excavation must be completed using a combination of hand-digging and an excavator with a flat-edged bucket. Any roots severed within the CRZ of the tree could result in significant health and structural impacts. If a new base layer is to be constructed, it may be necessary to construct the driveway at an elevated grade, above any roots encountered (see attached "floating driveway" specifications). Given that concrete slabs are proposed to be the new driveway surface material, we further recommend the washout from the driveway be directed away from the base of the tree, as the concrete wash will alter soil pH and could impact tree health.

Any excavation for fence pilings within the CRZ of the willow should also be completed under arborist supervision and conducted by hand-digging. The location of fence pilings should be adjusted to accommodate the preservation of any large roots encountered.

Based on discussion with Kors Development Services Inc., no changes to the design of the new building have been made since our July 16, 2018 memo summarizing the findings of our exploratory excavation. To mitigate impacts to the root system of Garry Oak #200, a grade beam will be constructed at the east edge of the building footprint on lot. No changes have been made since our June 7, 2018 Construction Impact Assessment and Tree Preservation Plan to the proposed

locations of underground services to lot A (they will be installed underneath the new driveway). Also, as stated in our June 7, 2018 report, the proposed addition to the existing house will not require any modifications to its foundation and will not result in any impacts to the tree resource.

- **Arborist Role:** It is the responsibility of the client or his/her representative to contact the project arborist for the purpose of:
  - Locating the barrier fencing
  - Reviewing the report with the project foreman or site supervisor
  - Locating work zones, where required
  - Supervising any excavation within the critical root zones of trees to be retained
  - Reviewing and advising of any pruning requirements for machine clearances

- **Review and site meeting**: Once the project receives approval, it is important that the project arborist meet with the principals involved in the project to review the information contained herein. It is also important that the arborist meet with the site foreman or supervisor before any site clearing, tree removal, demolition, or other construction activity occurs and to confirm the locations of the tree protection barrier fencing.

Please do not hesitate to call us at 250-479-8733 should you have any questions.

Thank you,

Noah Borges
ISA Certified: #PN-8409A

Talbot Mackenzie & Associates
ISA Certified & Consulting Arborists

Disclosure Statement
Arborists are professionals who examine trees and use their training, knowledge and experience to recommend techniques and procedures that will improve the health and structure of individual trees or group of trees, or to mitigate associated risks. Trees are living organisms, whose health and structure change, and are influenced by age, continued growth, climate, weather conditions, and insect and disease pathogens. Indicators of structural weakness and disease are often hidden within the tree structure or beneath the ground. It is not possible for an arborist to identify every flaw or condition that could result in failure nor can he/she guarantee that the tree will remain healthy and free of risk. Remedial care and mitigation measures recommended are based on the visible and detectable indicators present at the time of the examination and cannot be guaranteed to alleviate all symptoms or to mitigate all risk posed.