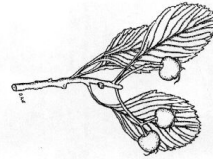


Arborist Report for King Street East

Mississauga, Ontario



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1. Introduction

The following is an arborist report for the property at King Street East Drive, in Mississauga Ontario. (The lot is SE of 188 King Street East.) The purpose of this report was to ascertain the potential impacts of the proposed construction of a new development on the trees on the site and on adjacent properties.

This report was written for *MSLA*.

2. Methods

An on-site inspection was made on February 12, 2021. The sizes of individual trees were measured as diameter at breast height (DBH), breast height being 137 cm from ground level. The locations of these trees are indicated on the modified site plan (Fig. 1). From the data collected plant Condition Rating (CR), Location Rating (LR), Species Rating (SR), and minimum Tree Protection Zones (TPZ), were estimated.^{1,2}

It is necessary to protect all trees designated for preservation during both demolition and construction. This tree protection can be accomplished by protecting the said trees with *tree protection barriers*. The minimum tree protection zone (TPZ) radius is based on the diameter of the tree ($TPZ \approx 0.06_{m/cm} \times DBH_{cm}$). Tree barriers for road allowance areas would be composed of a 1.2 metres (4 ft.) high plastic safety fencing secured on metal T-bar supports as per city of Mississauga's "framed hoarding" detail. Usually, tree protection barriers, not on road allowance, are to be "solid board hoarding" at 1.2 metres (4 ft.) high, and composed of plywood.³

3. Discussion

There are plans to develop the site at King Street East several non-exempt trees would need to be injured or removed, in order to allow for the proposed development (Table 1, Fig. 1).

3.2 Roadside Trees

Removal

One (1) border/ city owned tree over 15cm DBH is proposed for removal. (Table 1, Fig. 1 Trees #1889). This tree is in conflict with the proposed driveway.

Two (2) city owned trees (#1900 & #1999) are to be retained and will require tree protection during the demolition and construction work on the site. They are in close proximity to the grading works on site and are potential Injury Candidates. Refer to tree & hoarding locations on the plan developed by *MSLA Landscape Architects*. (Fig. 1).

3.3 Private Trees

Removal

Ten (10) privately owned trees over 15cm DBH are proposed to be removal. (Table 1, Fig. 1). These trees are in conflict with the proposed development.

3.4 Neighbouring Trees

No Neighbouring trees will require removal or injury. Several Neighbouring trees are to be retained and will require tree protection during the demolition and construction work on the site. Refer to tree & hoarding locations on the plan developed by *MSLA Landscape Architects*.

4. Conclusion

In order to allow for the proposed construction at King Street East, several non-exempt trees would be removed or injured as follows.

Ten (10) privately owned trees over 15cm DBH are proposed for removal.

One (1) Border/ City owned trees over 15cm DBH is proposed for removal.

Two (2) City Trees are potential Injury Candidates

No (0) neighbouring trees require removal.

D. Andrew White M. Sc.



February 15, 2021

Table #1. Tree number (No.), species, diameter at breast height (DBH), Condition Rating (CR) Tree Category (TC), Comments & Recommendations.
Light Grey Highlighted rows indicate non exempt trees proposed for removal

No.	Tree Species	DBH (cm)	CR (%)	TC	Comments	Recommendation
Tag #1999	Norway Maple	41	60	City	Crown base at 2.5 m, fair condition	<u>To be Preserved;</u> <i>Potential Injury</i>
Tag #1900	Manitoba Maple	67	52.5	City	3-stems at 2 m, poor condition	<u>To be Preserved;</u> <i>Potential Injury</i>
Tag #1889	Crab-Apple	26	55	Border/ City	Low-fair condition with crooked trunk	To be Removed; Conflict with Development
Tag #1899	Black Walnut	8-17	65	Private	Coppice of stump circa 50 cm DBH	To be Removed; Conflict with Development
Tag #1898	Black Walnut	10-17	65	Private	Coppice of stump circa 30 cm DBH	To be Removed; Conflict with Development
Tag #1897	Black Walnut	12-15	65	Private	3-stems at 0 m, possibly coppice	To be Removed; Conflict with Development
Tag #1895	Black Walnut	14-18	60	Private	4-stems at 0 m, possibly coppice	To be Removed; Conflict with Development
Tag #1896	Black Walnut	13-15	65	Private	3-stems at 0 m, possibly coppice	To be Removed; Conflict with Development
Tag #1892	Black Walnut	10-12	65	Private	3-stems at 0 m, coppice on stump circa 25 cm DBH	To be Removed; Conflict with Development
Tag #1890	White Cedar	15-16	60	Private	Tree near fence, low-fair condition	To be Removed; Conflict with Development
Tag #1894	Manitoba Maple	15-18	60	Private	Tree leaning south, 2-stems near 0 m	To be Removed; Conflict with Development
Tag #1893	Manitoba Maple	12-19	60	Private	Tree leaning south, 2-stems near 0 m	To be Removed; Conflict with Development
Tag #1891	Manitoba Maple	8-14	60	Private	Tree leaning south, 2-stems at 0 m	To be Removed; Conflict with Development
#57-60	Black Walnuts	6-14	70	Private	Small naturalised trees	To be Removed; Conflict with Development

#61	Manitoba Maple	8-15	40	Private	Fallen tree & coppice	To be Removed; Conflict with Development
#81-114	White Cedars	12-18	55-65	Neigh.	Hedgerow 8 trees over 15 cm DBH	<u>To be Preserved;</u>
#115	Cottonwood	52-62 (circa)	60	Neigh.	Large tree behind fence, 3-stems	<u>To be Preserved;</u>
#116	Apple tree	15	50	Neigh.	Off-site fruit tree, poor condition	To Remain; <i>Beyond Limit of Work</i>
#117	Plum	15-24	60	Neigh.	Off-site fruit tree, low-fair condition	To Remain; <i>Beyond Limit of Work</i>
#118	Apple tree	22	55	Neigh.	Off-site fruit tree, low-fair condition	To Remain; <i>Beyond Limit of Work</i>
#119	Juniper	14-18	50	Neigh.	Off-site tree behind fence, poor condition	To Remain; <i>Beyond Limit of Work</i>



4. References

- 1- Council of Tree Landscape Appraisers. 2000. Guide for Plant Appraisal. 9th Edition. International Society of Arboriculture.
- 2- International Society of Arboriculture of Ontario. 1998. Ontario Supplement to Guide for Plant Appraisal 8th Edition. Ontario Chapter, International Society of Arboriculture.
- 3- City of Mississauga. 2001. THE TREE PERMIT BY-LAW NUMBER 474-05. Corporation of the City of Mississauga, ON.
- 4- City of Mississauga. 2019. Application to Permit the Injury or Destruction of Trees on Private Property. City of Mississauga Community Services Department.
- 6- MMAH. 2005. Greenbelt Plan No. 208/2005. Feb 28, 2005. Ministry of Municipal Affairs & Housing.
- 5- Government of Canada. 1994. Migratory Birds Convention Act, 1994 (1994, c. 22). Department of Justice Canada.

5. Photographs



Image #1: Existing City Maple Trees along Camilla Road



Image #2: Existing City Maple Trees



Image #3: Existing Walnut Trees



Image #4: Existing Neighbouring Trees at North-West Corner



Image #5: Existing Neighbouring Trees along North Property Line



Image #6: Existing Trees – North View