

800 Crescent Drive, Winnipeg, Manitoba- Arborist Report

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800 Crescent Drive,
Winnipeg, Manitoba

Arborist Report

Timberland Tree Service

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Limitations of the Assignment

The Assessment is based on a visual inspection of the trees during our site visit. This inspection was conducted from the ground level. We did not conduct soil tests, below grade root examinations or aerial inspections.

This assessment of the trees is valid only at the time of inspection.

Only trees within the site boundaries were assessed. Trees on the river bank were not assessed.

A. Introduction

Timberland Tree Service was hired by MR. James Buhler to complete an Arborist/Tree preservation report for the site at 800 Crescent Drive, Winnipeg, Manitoba. The site inspection was conducted June 25th, 2024.

This report is prepared according to the requirements of the Urban Planning & Design Division, City of Winnipeg.

B. Objectives

The objectives of this report are:

- Identify trees to preserve and protect
- Propose the trees to be removed and the reasons

- Outline tree protection methods and treatments before, during and after construction

C. Summary

All of the 18 trees surveyed are private trees. 3 trees are recommended for removal due to the home construction. 15 trees are to be retained and protected.

D. Methodology

Trunk diameter was measured using a calibrated diameter tape. The measure was taken 1.4 meters above ground level, also know as diameter at breast height (DBH). All standing trees with a DBH larger than 6.5 cm were recorded.

The Guide for Plant Apprisal, 10th edition was used to establish a condition rating for the trees. The rating composes the tree's health, structure, and form.

E. Tree Inventory

Species	DBH (cm)	Condition	Recommendation
1. Pine	19	Good	Retain
2. Pine	25	Good	Retain
3. Elm	31	Good	Retain
4. Maple	70	Poor	Remove
5. Shubert	29	Good	Remove
6. Maple	75	Good	Remove
7. Siberian elm	81	Good	Retain
8. Poplar	53	Good	Retain
9. American elm	48	Good	Retain
10. Poplar	56	Good	Retain
11. Spruce	19	Good	Retain
12. Birch	37	Good	Retain
13. Multi stem Willow x4		Good	Retain

14. Maple	15	Good	Retain
15. Ash	19	Good	Retain

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F. Tree Protection and Removal Plan

According to condition of the trees recorded, or recommendations are reflected below.

Trees to be Protected

Ownership/Location	Tree#	Action/Notes
Client owned trees 13 (private)	1,2,3,7,8,9,10,11,12,13,14,15	These trees will be heavily impacted if unprotected.

Trees to be removed

Ownership/Location	Trees#	Action/Notes
Client owned trees 3 trees (private)	4,5,6	These trees should be removed since they are in the construction zone.

G. Construction Guidelines

1. Tree Protection Zone
    - Protective barriers should be installed around all trees to be retained prior to any construction starting on site.
    - Tree protection barriers are to be located at the outer limit of the minimum tree protection zone (TPZ) and is correlated to trunk diameter (see table below).

Trunk Diameter (DBH)	Minimum Protection Distances
<10cm	2 M
11-40 cm	2.4 M
41-50 cm	3.0 M
51-60 cm	3.6 M

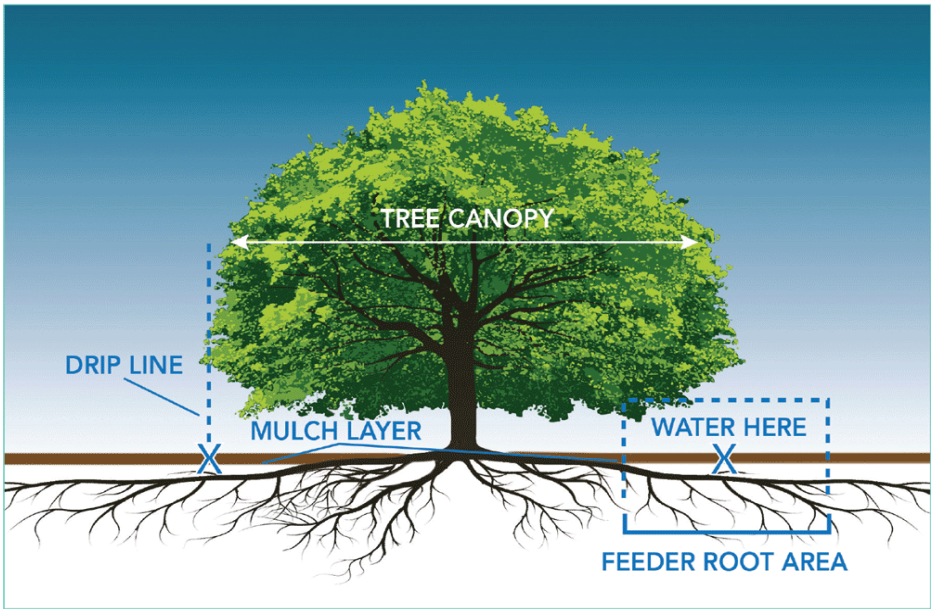
61-70 cm	4.2 M
71-80 cm	4.8 M
81-90 cm	5.4 M
91-100 cm+	6 M

- The barriers enclose the tree protection zone, no construction-related activity is permitted in the zone. Within the TPZ there is to be,
- -no construction
- -no altering of grade, surface scraping, excavating or soil disturbance
- -no storage of construction materials, waste, soil or debris
- -no parking, operation, passage of equipment or vehicles
- -no disposal of solids or liquids
- -no personal access

- The TPZ barriers will be 4 feet high and constructed of a wood frame and orange plastic snow fence.

2. Watering of Trees

- It is extremely important to regularly monitor the soil moisture levels within the root zone of the trees during the months from April to November, and to ensure adequate supplemental watering is done promptly as necessary. The objective of the watering is to provide the trees with deep, thorough watering when rainfall is insufficient to keep the soil moist 2” below the surface. This can be done by applying approximately 1-3 inches of water, or 20-60 L of water per square meter, throughout the feeder root zone, at least to the drip line (see below).



- It is strongly recommended that an individual who will be on-site for the duration of the project be assigned this responsibility and given clear instruction on how to check moisture levels, how and where to apply the water and how much.

3. Mulching

- For well-drained sites, apply a 2 to 4 inch (5 to 10 cm) layer of bark or wood chip mulch. Coarse mulches can be applied slightly deeper without harm. Place mulch out to the edge of a tree's crown or beyond. If placed around a smaller tree, consider the mature size of the tree and expand out mulch accordingly.

4. Fertilization

- Fertilization can be completed to encourage growth and increase vigor. Fertilizers should be applied in early spring just before growth occurs.

5. Site Supervision by ISA Certified Arborist

- It is strongly recommended that the client retain a construction-phase project arborist to make routine site inspections to monitor tree protection, tree considerations and provide follow-up summary reports and/or recommendations for tree care or protection related work.
- ISA Certified Arborists can be found in the following website https://www.treesaregood.org/findanarborist/findanarborist

H. Conclusion

The tree preservation prescriptions recommended in this report, for the tree to be protected on the site have been prepared following the City of Winnipeg's Tree Protection Zone Guidelines. It is anticipated that, if the minimum tree protection zones are fully heeded, the indicated trees will not be markedly affected by the proposed development. The trees identified for retention are to be protected.

The tree protection zone should be constructed prior to construction and maintained throughout construction. No encroachment into tree protection zones should occur without an arborist present.

I. References

1. City of Winnipeg Tree Planting Details & Specifications Downtown Area and Regional Streets

https://winnipeg.ca/publicworks/parksOpenSpace/UrbanForestry/PDF/Principles_and_Guidelines.pdf

2. Council of Tree and Landscape Appraisers. 2018. Guide for Plant Appraisals (10th ed). International Society of Arboriculture. Champaign

3. Tree Risk Assessment Manual, (2nd ed.). International Society of Arboriculture. Champaign

4. City of Winnipeg – Arborist/Tree Preservation Report https://www.winnipeg.ca/ppd/Documents/Zoning/DevelopmentApplication/InfoSheet/Arborist%20-Tree-Preservation-Report.pdf.