

**Tree Inventory and Preservation Plan Report
Dundas Street West & Sixth Line
Oakville, Ontario**

prepared for

Shoppers Realty Inc.

prepared by



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KUNTZ FORESTRY CONSULTING INC Project P4074

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1.0 Introduction

Kuntz Forestry Consulting Inc. was retained by Daniels on behalf of Shoppers Realty Inc. to complete a Tree Inventory and Preservation Plan for the proposed development at the northwest corner of Dundas Street West and Sixth Line in the Town of Oakville, Ontario. The subject property resides within a residential area.

The work plan for this tree preservation study included the following:

- Prepare inventory of the tree resources greater than 10cm DBH on and within 6m of the subject property and trees of all sizes on municipal property,
- Evaluate potential tree saving opportunities based on the proposed work plans; and,
- Document the findings in a Tree Inventory and Preservation Plan Report.

The results of the evaluation are provided below.

2.0 Methodology

2.1 Tree Inventory

Trees greater than 10cm DBH, within 6m of the subject property and trees of any size on municipal property were included in the tree inventory. Trees were located using the topographic survey provided, aerial imagery, and estimations using known points in the field. Trees were tagged using the numbers 875-898 and 1492-1499. City trees were identified using the letters A-Z and AA-JJ. Four (4) polygons were inventoried and identified as P1-P4. Tree locations are shown on Figure 1. See Table 1 for the results of the tree inventory. See Appendix A for photographs of trees.

Tree resources were assessed utilizing the following parameters:

Tree # - number assigned to tree that corresponds to Figure 1

Species - common and botanical names provided in the inventory table.

DBH - diameter (centimeters) at breast height, measured at 1.4 m above the ground.

CW – width of Crown measured in meters (m).

Condition - condition of tree considering trunk integrity, crown structure and crown vigor. Condition ratings include poor (P), fair (F) and good (G).

Comments - additional relevant detail.

2.2 Tree Valuation

A tree valuation was calculated for the trees on City property based on the information obtained by the tree inventory. The value was calculated using the Reproduction Cost Method – Trunk Formula Technique as described in the Guide for Plant Appraisal, 10th Edition (CTLA, 2019). The Ontario Supplement (2021) provides regionally relevant data pertaining to basic costs for trees.

Trunk Formula Technique

This method is used for trees that are larger than what is commonly available for transplant from a nursery. The Unit Tree Cost of the replacement tree is derived from a survey of nurseries or supplied by the Regional Plant Appraisal Council and published within the Ontario Supplement (2021).

The Basic Tree Cost is calculated by multiplying the unit tree cost by the cross-sectional area of the subject tree. For multi-stemmed trees, the appraised trunk area considers the cross-sectional area of all stems. The Appraised Value is calculated by multiplying the Basic Reproduction Cost by the three depreciation factors (Condition Rating, Functional Limitation Rating, and External Limitation Rating, as described in the Guide).

The appraised value of trees is therefore calculated using the following equation:

Basic Tree Cost = Appraised Tree Trunk Area X Unit Tree Cost

Appraised Value = Basic Tree Cost X Condition Rating X Functional Limitation Rating X External Limitation Rating

Functional Limitation Ratings and External Limitation Ratings are calculated according to the methods outlined in the guide. Condition ratings were calculated based on the assessed condition of the trees on the site and in accordance with the guide.

3.0 Existing Site Conditions

The subject property is currently comprised of vacant lands. Tree resources exist in the form of landscape trees and self-seeded volunteers. Refer to Figure 1 for the existing site conditions.

4.0 Tree Resources

The tree inventory was conducted on 19 January 2024. The inventory documented 68 trees and four (4) polygons on and within six metres of the subject property. Refer to Table 1 for the full tree inventory and Figure 1 for the location of tree reported in the tree inventory. See Appendix A for the photographs of the trees.

Tree resources were comprised of Balsam Poplar (*Populus balsamifera*), Black Locust (*Robinia pseudoacacia*), Black Walnut (*Juglans nigra*), Bur Oak (*Quercus macrocarpa*), Eastern Cottonwood (*Populus deltoides*), Freeman Maple (*Acer × freemanii*), Hybrid Elm (*Ulmus americana* 'Valley Forge'), Little Leaf Linden (*Tilia cordata*), Pear (*Pyrus spp.*), Red Maple (*Acer rubrum*), Red Oak (*Quercus rubra*), Russian Olive (*Elaeagnus angustifolia*), Sugar Maple (*Acer saccharum*), Silver Maple (*Acer saccharinum*), White Elm (*Ulmus americana*), White Pine (*Pinus strobus*), White Spruce (*Picea glauca*), and Willow (*Salix spp.*).

5.0 Proposed Development

The proposed development includes the construction of three multi-storey midrise residential buildings with underground parking, two blocks of townhomes, a shared

outdoor amenity space, a Shoppers Drugmart, and driveways providing access to Kaitting Trail, Sixth Line, and Dundas Street West.

6.0 Discussion

6.1 Development Impacts/Tree Removal

The removal of 48 trees and three (3) polygons is required to accommodate the proposed design. These trees either directly conflict with proposed structures or significant encroachment into their minimum tree protection zones (mTPZ) would be required to accommodate proposed excavating and/or grading such that they would not be expected to tolerate the injury. Tree removals include Trees 875-898, 1492-1499, O, U-Z, AA-GG, and JJ. The DBH of multi-stemmed trees was calculated by taking the square root of the sum of all squared stem DBHs rounding to the nearest whole number.

All tree removals identified in this report are within the scope of the Site Plan application. In accordance with the Town of Oakville's Private Tree Protection By-law No. 2017-038, as amended, the by-law applies only until final Site Plan approval, and trees that form part of the Site Plan submission will not be removed during the review period. Once final Site Plan approval is granted, removals shown on the approved Site Plan are implemented under the Site Plan Agreement (per s.5(f)) and are not subject to the Private Tree permit process; replacement planting and related conditions will be fulfilled through the approved landscape plans and Site Plan Agreement.

Refer to Figure 1 for the location of trees identified for removal and Appendix C for the Canopy Cover Loss table.

6.2 Tree Preservation

The preservation of the remaining trees, including Trees A-L, N, P-T, HH, II, and P1 will be possible with the use of appropriate tree protection measures as indicated on Figure 1. Tree protection measures must be implemented prior to construction to ensure tree resources designated for retention are not impacted by the proposed development. Refer to Figure 1 for the location of required tree preservation fencing, general Tree Protection Plan Notes, and tree preservation fence details.

Tree N

The replacement of an existing curb is proposed within the mTPZ of Tree N. The removal and installation of the curb within the mTPZ of Tree N must be completed carefully by hand or using small tools under the supervision of a Certified Arborist. If any roots are exposed, they must be pruned in accordance with Good Arboricultural Standards.

6.3 Tree Valuation

Trees A-P, HH, and P1-P4 were valued using the Trunk Formula Technique. Refer to Appendix B for the results of the valuations the tree valuation calculations. The Town of Oakville does not accept values of less than \$744; therefore, the appraised value of all trees were adjusted to \$744. The total value of all trees is \$25,296.

7.0 Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by Daniels on behalf of Shoppers Realty Inc. to complete a Tree Inventory and Preservation Plan for the proposed development at the northwest corner of Dundas Street West and Sixth Line in Oakville, Ontario. A tree inventory was conducted and reviewed in the context with the proposed site plan.

The findings of the study indicate a total of 68 individual trees and four (4) polygons on and within 6m of the subject property. The removal of 48 trees and three (3) polygons will be required to accommodate the proposed design. Preservation of the remaining trees will be possible with implementation of the preservation measures prescribed herein.

The following recommendations are suggested to minimize impacts to trees identified for preservation. Refer to Figure 1 for the location of required tree preservation fencing, general Tree Protection Plan Notes, and the tree preservation fence detail.

- Tree protection barriers and fencing should be erected at locations as prescribed on Figure 1. All tree protection measures should follow the guidelines as set out in the tree preservation plan notes and the tree preservation fencing detail.
- No construction activity including surface treatments, excavations of any kind, storage of materials or vehicles, unless specifically outlined above, is permitted within the area identified on Figure 1 as a tree protection zone (TPZ) at any time during or after construction.
- Branches that extend beyond prescribed tree protection zones that require pruning must be pruned by a qualified Arborist or other tree professional. All pruning of tree branches must be in accordance with Good Arboricultural Standards.
- Site visits, pre, during and post construction is recommended by either a certified consulting arborist (I.S.A.) or Registered Professional Forester (R.P.F.) to ensure proper utilization of tree protection barriers. Trees should also be inspected for damage incurred during construction to ensure appropriate pruning or other measures are implemented.
- All vegetation clearing and tree removals shall comply with the Migratory Birds Convention Act and Migratory Birds Regulations, 2022. Any tree removals must occur outside of the Migratory Bird Nesting Season (April 1 to August 31). If tree removals must occur during the local migratory bird nesting period, the Owner/Contractor shall retain a Qualified Biologist to (i) conduct a pre-clearing nest assessment within 48 hours of work, (ii) document nesting activity and breeding evidence (methods, dates, locations, results), and (iii) direct nesting-season BMPs. If an occupied nest is

detected, stop work, establish a species-appropriate buffer, and defer until the Biologist confirms the nest is inactive/fledged. Implement the Biologist's mitigation measures to avoid, minimize, and/or offset impacts (e.g., timing adjustments, low-disturbance methods, retention of non-conflicting vegetation, protective fencing, and monitoring).

Respectfully submitted,

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Limitations of Assessment

Only the tree(s) identified in this report were included in the inventory. The assessment of the trees presented in this report has been made using accepted arboricultural techniques. These may include a visual examination taken from the ground of all the above-ground parts of the tree for structural defects, scars, external indications of decay such as fungal fruiting bodies, evidence of attack by insects, discoloured foliage, the condition of any visible root structures, the degree of lean (if any), the general condition of the trees and the identification of potentially hazardous trees or recommendations for removal (if applicable). Where trees could not be directly accessed (i.e. due to obstructions, and/or on neighbouring properties), trees were assessed as accurately as possible from nearby vantage points.

Locations of trees provided in the report are determined as accurately as possible based on the best information available. If official survey information is not provided, tree location in the report may not be exact. In this case, if trees occur on or near property boundaries, an official site survey may be required to determine ownership utilizing specialized survey protocol to gain precise location.

Furthermore, recommendations made in this report are based on the site plans that have been provided at the time of reporting. These recommendations may no longer be applicable should changes be made to the site plan and/or grading, servicing, or landscaping plans following report submission.

Notwithstanding the recommendations and conclusions made in this report, it must be recognized that trees are living organisms, and their health and vigor constantly change over time. They are not immune to changes in site conditions or seasonal variations in the weather conditions. Any tree will fail if the forces applied to the tree exceed the strength of the tree or its parts.

Although every effort has been made to ensure that this assessment is reasonably accurate, the trees should be re-assessed periodically. The assessment presented in this report is valid at the time of inspection.

Table 1. Tree Inventory

Location: Dundas Street and Sixth Line, Oakville

Date: 18 January 2024 Surveyors: IB

Tree#	Common Name	Scientific Name	DBH	TI	CS	CV	CDB	DL	CW	mTPZ	Comments	Action	Owner
875	Willow	<i>Salix spp.</i>	15,10,9,9	G	F	G	0	2	4	2.4	Codominant at 1m	Remove	Private
876	Black Walnut	<i>Juglans nigra</i>	25.5	G	G-F	G	0	4	8	2.4		Remove	Private
877	Black Walnut	<i>Juglans nigra</i>	29,22.5	G-F	G-F	G-F	0	5	10	3	Codominant at 1m	Remove	Private
878	Black Walnut	<i>Juglans nigra</i>	21	G	G-F	G-F	0	2.5	5	2.4	Deadwood (L)	Remove	Private
879	Black Walnut	<i>Juglans nigra</i>	20	G	G-F	G	0	3	6	2.4	Poor form (L)	Remove	Private
880	Black Walnut	<i>Juglans nigra</i>	13.5	G	F	G	0	2	4	2.4	bowed (M)	Remove	Private
881	Black Walnut	<i>Juglans nigra</i>	18,16	F	F	G	0	3.5	7	2.4	Codominant at 0.5m and 1.6m, poor form (L)	Remove	Private
882	Black Walnut	<i>Juglans nigra</i>	28	G-F	F	G-F	0	4.5	9	2.4	Lean (L), codominant at 2m, canker at union	Remove	Private
883	Black Walnut	<i>Juglans nigra</i>	21	G	G	G	0	2	4	2.4		Remove	Private
884	Black Walnut	<i>Juglans nigra</i>	18.5,17.5	G-F	G-F	G-F	0	4	8	2.4	Codominant at 0.7m	Remove	Private
885	Black Walnut	<i>Juglans nigra</i>	25	G	G-F	F	20	4	8	2.4	Union at 2.5m, asymmetrical crown (L)	Remove	Private
886	Black Walnut	<i>Juglans nigra</i>	21,14	G	F	F	20	3.5	7	2.4	Codominant at 1.3m, asymmetrical crown (L)	Remove	Private
887	Black Walnut	<i>Juglans nigra</i>	21	G	G	F	20	4	8	2.4		Remove	Private
888	Bur Oak	<i>Quercus macrocarpa</i>	13	G	F	F-P	50	2	4	2.4	Asymmetrical crown (m)	Remove	Private
889	Bur Oak	<i>Quercus macrocarpa</i>	12	G	G	P	70	2	4	2.4	Codominant at 3m, poor form (L)	Remove	Private
890	Bur Oak	<i>Quercus macrocarpa</i>	17	G	F	P	70	2	4	2.4	Asymmetrical crown (M)	Remove	Private
891	Bur Oak	<i>Quercus macrocarpa</i>	11	G	F	P	80	1.5	3	2.4	Asymmetrical crown (M)	Remove	Private
892	Bur Oak	<i>Quercus macrocarpa</i>	77.5, 20.5, 12	G	G	F	20	9	18	5.4	Epicormic branching (M)	Remove	Private
893	Bur Oak	<i>Quercus macrocarpa</i>	10	G	F	F-P	40	1	2	2.4	Asymmetrical crown (L)	Remove	Private
894	Bur Oak	<i>Quercus macrocarpa</i>	10	G	F	F	30	1.5	3	2.4	Crook (M)	Remove	Private
895	Balsam Poplar	<i>Populus balsamifera</i>	15	G-F	G-F	G	0	2	4	2.4		Remove	Private
896	Black Locust	<i>Robinia pseudoacacia</i>	12,9, 8,7	F	F	F	0	3	6	2.4	Codominant at 1m, poor form (M)	Remove	Private
897	Black Locust	<i>Robinia pseudoacacia</i>	8.5, 7,5,5	F	F	F	0	2	4	2.4	Codominant at 1m	Remove	Private
898	Silver Maple	<i>Acer saccharinum</i>	87.5	F	P	P	60	9	18	5.4	Codominant at 2.6m, dead leaders (H), asymmetrical crown (H), poor form (H), fruiting bodies (M)	Remove	Private
1492	Silver Maple	<i>Acer saccharinum</i>	19,18,18, 18,14	F	F	G	0	4	8	3	Codominant at base. Epicormic branching (M)	Remove	Private
1493	White Elm	<i>Ulmus americana</i>	14	G	F	G	0	2	4	2.4	Bowed (M)	Remove	Private

1494	Silver Maple	<i>Acer saccharinum</i>	29,19, 17, 12	F	F	G	0	4	8	3	Codominant at 1m	Remove	Private
1495	White Elm	<i>Ulmus americana</i>	17,11	G	F	G-F	0	3	6	2.4	Codominant at 1.2m, poor form (M)	Remove	Private
1496	Russian olive		24	G-F	F-P	G-F	0	3	6	2.4	Crook (M), poor form (M)	Remove	Private
1497	Pear	<i>Pyrus spp.</i>	26, 23.5, 13	F-P	F-P	F	0	3	6	3	Lean (M), codominant at base, epicormic branching (H), cavity (M), pruning wounds (M)	Remove	Private
1498	Black Locust	<i>Robinia pseudoacacia</i>	9,8,5	F	F	G-F	0	1.5	3	2.4	Codominant at base, poor form (M)	Remove	Private
1499	White Elm	<i>Ulmus americana</i>	13	G	G	G	0	2	4	2.4		Remove	Private
A	Russian Olive	<i>Elaeagnus angustifolia</i>	5,4	F	F	G-F	0	1.5	3	1.8	Codominant at base, broken branches (M)	Preserve	City
B	Russian Olive	<i>Elaeagnus angustifolia</i>	3,2	F	F	F	0	1	2	1.8	Codominant at base	Preserve	City
C	Balsam Poplar	<i>Populus balsamifera</i>	7	G	G	G	0	1	2	1.8		Preserve	City
D	Balsam Poplar	<i>Populus balsamifera</i>	8.5	G-F	G	G	0	1.5	3	1.8	Sweep (L)	Preserve	City
E	Balsam Poplar	<i>Populus balsamifera</i>	9	G-F	G-F	G	0	1.5	3	1.8	Leaning (L), bowed (L), trunk injury (L)	Preserve	City
F	Balsam Poplar	<i>Populus balsamifera</i>	4	F	F	G-F	0	1	2	1.8	Trunk injury (M), bowed (L)	Preserve	City
G	Red Maple	<i>Acer rubrum</i>	4,3,3,3,2, 2,2	F-P	F	G-F	10	1	2	1.8	Codominant at base, poor form (H)	Preserve	City
H	Red Maple	<i>Acer rubrum</i>	3,3,3,2,2	F-P	F	F-P	20	1	2	1.8	Codominant at base, dead leader (M)	Preserve	City
I	Red Maple	<i>Acer rubrum</i>	4,3,3,1	F	F	F-P	40	0.5	1	1.8	Codominant at base, dead leader (H)	Preserve	City
J	Red Maple	<i>Acer rubrum</i>	6 5 3 2	F-P	F	G-F	0	1.5	3	1.8	Codominant at base, poor form (M), 7 stems	Preserve	City
K	Red Maple	<i>Acer rubrum</i>	5,4 3 2	F	F	G-F	0	1	2	1.8	Codominant at base, poor form (M)	Preserve	City
L	Red Maple	<i>Acer rubrum</i>	7	G-F	G-F	G-F	0	1	2	1.8		Preserve	City
M	Eastern Cottonwood	<i>Populus deltoides</i>	11.5	G	G-F	G-F	0	2	4	2.4	Asymmetrical crown (L)	Remove	City
N	Freeman Maple	<i>Acer × freemanii</i>	15.5	F	G	G	0	2.5	5	2.4	Frost cracks (M)	Preserve	City
O	Freeman Maple	<i>Acer × freemanii</i>	17	G	G-F	G	0	2.5	5	2.4	Asymmetrical crown (L)	Remove	City
P	Freeman Maple	<i>Acer × freemanii</i>	15	G	G	G	0	2.5	5	2.4		Preserve	City
Q	Red Oak	<i>Quercus rubra</i>	4.5	G	G	G	0	1	2	1.8		Preserve	Region
R	Red Oak	<i>Quercus rubra</i>	4.5	G	G	G	0	1	2	1.8		Preserve	Region
S	Sugar Maple	<i>Acer saccharum</i>	5	G	G	G	0	1	2	1.8		Preserve	Region
T	Sugar Maple	<i>Acer saccharum</i>	5	G	G-F	G-F	0	1	2	1.8	Asymmetrical crown (L)	Preserve	Region
U	Sugar Maple	<i>Acer saccharum</i>	5	G	G	G	0	1	2	1.8		Remove	Region
V	Red Oak	<i>Quercus rubra</i>	4.5	G	G-F	G	0	1	2	1.8	Sweep (L)	Remove	Region
W	Red Oak	<i>Quercus rubra</i>	5	G	G	G	0	0.5	1	1.8		Remove	Region

X	Red Oak	<i>Quercus rubra</i>	5	G	G	G	0	1	2	1.8		Remove	Region
Y	Hybrid Elm	<i>Ulmus americana</i> 'Valley'	6	G	F	G	0	1	2	1.8	Bowed (M)	Remove	Region
Z	Hybrid Elm	<i>Ulmus americana</i> 'Valley'	5	G	F	G	0	1	2	1.8	Crook (M)	Remove	Region
AA	Hybrid Elm	<i>Ulmus americana</i> 'Valley'	6	G	F	G	0	1	2	1.8	Crook (M)	Remove	Private
BB	Hybrid Elm	<i>Ulmus americana</i> 'Valley Forge'	5	G	G	G	0	1	2	1.8		Remove	Private
CC	Red Oak	<i>Quercus rubra</i>	5	G	G	G	0	0.5	1	1.8		Remove	Region
DD	Bur Oak	<i>Quercus macrocarpa</i>	5	G	G	G	0	1	2	1.8		Remove	Region
EE	Bur Oak	<i>Quercus macrocarpa</i>	5.5	G	F-P	F	20	1	2	1.8	Bowed (H)	Remove	Region
FF	Bur Oak	<i>Quercus macrocarpa</i>	5	G	G	G	0	1	2	1.8		Remove	Region
GG	Bur Oak	<i>Quercus macrocarpa</i>	4.5	G	G	G	0	0.5	1	1.8		Remove	Region
HH	Red Maple	<i>Acer rubrum</i>	5,4,3,3,3	F	F	F	15	1.5	3	1.8	Coodminant at base, bowed (L), poor form (M)	Preserve	Region
II	Sugar Maple	<i>Acer saccharum</i>	3.5	G	G	P	80	0.5	1	1.8	Almost dead.	Preserve	Region
JJ	Hybrid Elm	<i>Ulmus americana</i> 'Valley Forge'	5.5	G	F	G	0	1	2	1.8	Poor form (M), asymmetrical crown (L)	Remove	Region
P1	White Pine, White Spruce	<i>Pinus strobus, Picea glauca</i>	2-6	G	G	G		1	2		5 trees, average DBH 4cm. 2 Pw ~ 1m from existing fence	Preserve	City
P2	White Spruce	<i>Picea glauca</i>	3-5	F	G	G		1	2		4 trees, average DBH 4.5cm. 2 trees with severe lean towards property. Two closest trees are ~ 1.5m from fence	Remove	City
P3	White Pine	<i>Pinus strobus</i>	7-9	G	G	G-F		1.5	3		3 trees, average DBH 8cm. one tree is chlorotic. all trees exist ~ 2m above grade on a slope. ~ 2.5m from fence	Remove	City
P4	Little Leaf Linden	<i>Tilia cordata</i>	1-3	G-F	F	G-F		1	2		5 trees, average DBH 2cm. all trees exist ~2m above grade on slope. ~ 2.5m from fence	Remove	City

Codes		
DBH	Diameter at Breast Height	(cm)
TI	Trunk Integrity	(G, F, P)
CS	Crown Structure	(G, F, P)
CV	Crown Vigor	(G, F, P)
CDB	Crown Die Back	(%)
DL	Dripline	(m)
mTPZ	Minimum Tree Preservation Zone	(m)
Comp.	Compensation	
~ = estimate; (VL) = very light; (L) = light; (M) = moderate; (H) = heavy		

Appendix A. Photographs of Trees



Tree 875



Tree 876 and 877



Tree 878-882



Tree 883-886



Tree 887



Tree 888-891



Tree 892-894



Tree 895-897



Tree 898



Tree 1492-1494



Tree 1495



Tree 1496



Tree 1497



Tree 1498



Tree 1499



Tree A and B



Tree C-E



Tree F



Tree G-L, and HH



Tree M



Tree N



Tree O and P



Tree Q



Tree R



Tree S



Tree T



Tree U



Tree V



Tree W



Tree X



Tree Y



Tree Z



Tree AA



Tree BB



Tree CC



Tree DD



Tree EE



Tree FF



Tree GG



Tree II



Tree JJ



P1



P2



P3



P4

Appendix B. Tree Valuation Calculations

Table 2. Public Tree Valuation

Location: Dundas Street West and Sixth Line, Oakville

Tree #	Common Name	Scientific Name	DBH	OC	Appraised Trunk Area (cm ²)	Unit Tree Cost (RPAC) \$	Basic Tree Cost \$	Depreciation			Appraised Value \$	Rounded / Value \$	Final Value \$
								Condition Rating %	Functional Limitation Rating %	External Limitation Rating %			
A	Russian Olive	<i>Elaeagnus angustifolia</i>	5,4	F	32	\$ 9.43	\$304	0.55	0.90	0.75	\$113	\$ 100.00	\$ 744.00
B	Russian Olive	<i>Elaeagnus angustifolia</i>	3,2	F	10	\$ 9.43	\$96	0.55	0.90	0.75	\$36	\$ 40.00	\$ 744.00
C	Balsam Poplar	<i>Populus balsamifera</i>	7	G	38	\$ 9.06	\$348	0.80	0.90	0.75	\$188	\$ 190.00	\$ 744.00
D	Balsam Poplar	<i>Populus balsamifera</i>	8.5	G-F	57	\$ 9.06	\$514	0.70	0.90	0.75	\$243	\$ 245.00	\$ 744.00
E	Balsam Poplar	<i>Populus balsamifera</i>	9	G-F	64	\$ 9.06	\$576	0.70	0.90	0.75	\$272	\$ 270.00	\$ 744.00
F	Balsam Poplar	<i>Populus balsamifera</i>	4	F	13	\$ 9.06	\$114	0.55	0.90	0.75	\$42	\$ 40.00	\$ 744.00
G	Red Maple	<i>Acer rubrum</i>	4,3,3,3,2,2,2,	F-P	40	\$ 7.07	\$283	0.45	0.90	0.75	\$86	\$ 100.00	\$ 744.00
H	Red Maple	<i>Acer rubrum</i>	3,3,3,2,2	F-P	27	\$ 7.07	\$194	0.45	0.90	0.75	\$59	\$ 120.00	\$ 744.00
I	Red Maple	<i>Acer rubrum</i>	4,3,3,1	F-P	27	\$ 7.07	\$194	0.45	0.90	0.75	\$59	\$ 85.00	\$ 744.00
J	Red Maple	<i>Acer rubrum</i>	6 5 3 2	F-P	58	\$ 7.07	\$411	0.45	0.90	0.75	\$125	\$ 120.00	\$ 744.00
K	Red Maple	<i>Acer rubrum</i>	5,4 3 2	F	42	\$ 7.07	\$300	0.60	0.90	0.75	\$121	\$ 130.00	\$ 744.00
L	Red Maple	<i>Acer rubrum</i>	7	G-F	38	\$ 7.07	\$272	0.70	0.90	0.75	\$128	\$ 130.00	\$ 744.00
M	Eastern Cottonwood		11.5	G-F	104	\$ 6.30	\$654	0.70	0.90	0.75	\$309	\$ 310.00	\$ 744.00
N	Freeman Maple	<i>Acer × freemanii</i>	15.5	F	189	\$ 5.93	\$1,118	0.60	0.60	0.75	\$302	\$ 300.00	\$ 744.00
O	Freeman Maple	<i>Acer × freemanii</i>	17	G-F	227	\$ 5.93	\$1,345	0.70	0.60	0.75	\$424	\$ 420.00	\$ 744.00
P	Freeman Maple	<i>Acer × freemanii</i>	15	G	177	\$ 5.93	\$1,047	0.85	0.60	0.75	\$401	\$ 400.00	\$ 744.00
HH	Red Maple	<i>Acer rubrum</i>	5,4,3,3,3	F	53	\$ 7.07	\$377	0.60	0.90	0.75	\$153	\$ 140.00	\$ 744.00
P1	White Pine	<i>Pinus strobus</i>	4	G	13	\$ 4.09	\$51	0.80	0.80	0.75	\$25	\$ 30.00	\$ 744.00
	White Pine	<i>Pinus strobus</i>	4	G	13	\$ 4.09	\$51	0.80	0.80	0.75	\$25	\$ 30.00	\$ 744.00
	White Pine	<i>Pinus strobus</i>	4	G	13	\$ 4.09	\$51	0.80	0.80	0.75	\$25	\$ 30.00	\$ 744.00
	White Pine	<i>Pinus strobus</i>	4	G	13	\$ 4.09	\$51	0.80	0.80	0.75	\$25	\$ 30.00	\$ 744.00
	White Spruce	<i>Picea glauca</i>	4	G	13	\$ 4.16	\$52	0.80	0.80	0.75	\$25	\$ 30.00	\$ 744.00
P2	White Spruce	<i>Picea glauca</i>	4.5	G	16	\$ 4.16	\$66	0.80	0.80	0.75	\$32	\$ 30.00	\$ 744.00
	White Spruce	<i>Picea glauca</i>	4.5	G	16	\$ 4.16	\$66	0.80	0.80	0.75	\$32	\$ 30.00	\$ 744.00
	White Spruce	<i>Picea glauca</i>	4.5	P	16	\$ 4.16	\$66	0.25	0.80	0.75	\$10	\$ 10.00	\$ 744.00
	White Spruce	<i>Picea glauca</i>	4.5	P	16	\$ 4.16	\$66	0.25	0.80	0.75	\$10	\$ 10.00	\$ 744.00
P3	White Pine	<i>Pinus strobus</i>	8	G	50	\$ 4.09	\$205	0.80	0.80	0.75	\$99	\$ 100.00	\$ 744.00
	White Pine	<i>Pinus strobus</i>	8	G	50	\$ 4.09	\$205	0.80	0.80	0.75	\$99	\$ 100.00	\$ 744.00
	White Pine	<i>Pinus strobus</i>	8	F	50	\$ 4.09	\$205	0.60	0.80	0.75	\$74	\$ 70.00	\$ 744.00
P4	Little Leaf Linden	<i>Tilia cordata</i>	2	F	3	\$ 5.89	\$18	0.55	0.80	0.75	\$6	\$ 10.00	\$ 744.00
	Little Leaf Linden	<i>Tilia cordata</i>	2	F	3	\$ 5.89	\$18	0.55	0.80	0.75	\$6	\$ 10.00	\$ 744.00
	Little Leaf Linden	<i>Tilia cordata</i>	2	F	3	\$ 5.89	\$18	0.55	0.80	0.75	\$6	\$ 10.00	\$ 744.00
	Little Leaf Linden	<i>Tilia cordata</i>	2	F	3	\$ 5.89	\$18	0.55	0.80	0.75	\$6	\$ 10.00	\$ 744.00
											Total	\$3,690	\$25,296

Appendix C. Canopy Cover Loss Table

Species	Tree Numbers	Ownership	Total Canopy Cover Loss (m ²)
Balsam Poplar	895	Private	12.56
Black Locust	896, 897, 1498	Private	47.89
Black Walnut	876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887	Private	493.00
Bur Oak	888, 889, 890, 891, 892, 893, 894, DD, EE, FF, GG	Private/Region	319.50
Eastern Cottonwood	M	City	12.56
Freeman Maple	O	City	19.63
Hybrid Elm	Y, Z, AA, BB, JJ	Private/Region	15.70
Little Leaf Linden	P4	City	15.70
Pear	1497	Private	28.26
Red Oak	V, W, X, CC	Region	7.85
Russian Olive	1496	Private	28.26
Silver Maple	898, 1492, 1494	Private	355.14
Sugar Maple	U	Region	3.14
White Elm	1493, 1495, 1499	Private	53.38
White Pine	P3	City	21.20
White Spruce	P2	City	12.56
Willow	875	Private	12.56