Tree Inventory and Preservation Plan 161 Heathwood Heights Drive Aurora, Ontario

prepared for



prepared by



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KUNTZ FORESTRY CONSULTING INC Project P4534

Introduction

Kuntz Forestry Consulting Inc. (KFCI) was retained by 1000679027 Ontario Inc. to complete a Tree Inventory and Preservation Plan report as part of a development application for the property located at 161 Heathwood Heights Drive in Aurora, Ontario. The site is located at the southeast corner of Heathwood Heights Drive and Tilston Grove, within a residential area.

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

- Prepare inventory of the tree resources over 5cm DBH on and within six metres of the subject area;
- Evaluate potential tree saving opportunities based on proposed development plans;
- Calculate the compensation value of tree resources identified for removal; and
- Document the findings in a Tree Inventory and Preservation Plan Report.

The results of the evaluation are provided below.

Policy Framework

The trees on the property are subject to the provisions of the Town of Aurora's By-law Number 4474-03.D. This by-law regulates tree injury or destruction of individual trees on private lands, and applies to trees 20cm DBH or greater.

This report has been prepared in accordance with the specifications and requirements outlined in the Town of Aurora's *Tree Protection/Preservation Policy* and the *Tree Removal/Pruning and Compensation Policy*, both dated June 2015.

Methodology

The tree inventory was conducted on 4 February 2025. Trees over 5cm DBH on and within six metres of the subject property, and trees of all sizes within the road right-of-way and on neighbouring properties within proximity to the site were included in the inventory. Trees were located using the topographic survey provided and estimations made in-field. Trees were identified using the numbers 768-824. Trees that could not be tagged were identified as Trees A-Z and Aa-Ad. One Butternut was identified as BN1 and two polygons (groups of trees) were identified as P1 and P2. Tree locations are shown on Figure 1. Refer to Table 1 for the tree inventory and Appendix A for photographs of trees.

Individual 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 (centimetres) at breast height, measured at 1.4 m above the ground.

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

Comments - additional relevant detail.

Existing Site Conditions

The subject property is currently comprised of a single detached residence with amenity areas. Wooded parkland exists immediately to the south of the site. Trees exist in the form of landscape trees and natural feature trees. Refer to Figure 1 for the existing site conditions.

Individual Tree Resources

The inventory documented 88 individual trees and two tree polygons on and within six metres of the subject property. Refer to Table 1 for the full tree inventory and Figure 1 for the locations of trees reported in the tree inventory.

Tree resources were comprised of Littleleaf Linden (*Tilia cordata*), Blue Spruce (*Picea pungens*), Emerald Cedar (*Thuja occidentalis* 'Smaragd'), Ornamental Pear (*Pyrus calleryana*), White Elm cultivar (*Ulmus americana cv*), Thornless Honey Locust (*Gleditsia triacanthos* 'inermis' *cv*), Norway Maple (*Acer platanoides*), Norway Spruce (*Picea abies*), White Spruce (*Picea glauca*), White Elm (*Ulmus americana*), White Birch (*Betula papyrifera*), Sugar Maple (*Acer saccharum*), Basswood (*Tilia americana*), Bitternut Hickory (*Carya cordiformis*), Willow species (*Salix sp.*), Butternut (*Juglans cinerea*), and Eastern White Cedar (*Thuja occidentalis*).

Proposed Development

The proposed development includes the demolition of the existing home, the severance of the property into five lots, and the construction of five single detached homes with amenity areas and driveways provided access to Heathwood Heights Drive. Refer to Figure 1 for the existing conditions and proposed site plan.

Discussion

The following sections provide a discussion and analysis of development impacts, tree removal requirements, and tree preservation relative to the proposed development and existing conditions.

Development Impacts/Tree Removals

The removal of 52 trees and one tree polygon will be required to accommodate the proposed development, including Trees 769-775, 777-814, 817-820, 822, 824, A, and P1.

The majority of trees identified for removal conflict directly with the proposed development including buildings, driveways, servicing, and grading. Trees 769, 772-774, 810, 811, 822, 824, A, and P1 are located along the peripheries of proposed features; however, intrusion into their minimum tree protection zones for the driveways, retaining walls, or infiltration trenches is too great, and we would not expect them to tolerate the injury.

Trees 772-775 are located within the Town road right-of-way. Tree A is located on the neighbouring property to the east. Permission from this property owner is required prior to its removal. All other trees identified for removal are located on the subject property.

Refer to Figure 1 for the location of trees identified for removal.

Tree Preservation

The preservation of Trees 768, 776, 815, 816, 821, 823, B-Z, Aa-Ad, Bn1, and P2 will be possible with the use of appropriate tree protection measures as indicated on Figure 1. Tree protection measures will have to be implemented prior to construction to ensure designated tree resources are not impacted by the development. Refer to Figure 1 for the location of required tree preservation fencing, preservation planning notes, and the preservation fencing detail.

Excavation within mTPZ's

Encroachment into the minimum tree protection zones (mTPZ's) of Trees 815 and 823 will be required to accommodate excavation for the retaining wall through this area. Prior to construction, a trench must be excavated using air spading technology at the limit of encroachment, to a depth of 90cm. This must be supervised by a certified Arborist. Exposed roots must be pruned in accordance with Good Arboricultural standards.

Retaining Wall Removal

The existing retaining wall within the mTPZ's of Trees T, U, W, and X will be removed. We would not expect substantial roots to be growing north of the retaining wall; however, roots are likely growing directly up to the edge of the retaining wall. The retaining wall must be removed by hand, under the supervision of a certified Arborist. Exposed roots must be left intact and immediately covered with burlap which is to be kept continuously damp, until the area can be backfilled/regraded, which must also occur by hand immediately adjacent to the roots. If roots are encountered during this work or during grading north of the retaining wall that require cutting, they must be cleanly pruned with hand tools by a certified Arborist, in accordance with Good Arboricultural Standards.

Butternut

One Butternut tree (Bn1) was identified immediately adjacent to the site. Pure Butternut (*Juglans cinerea*) are listed as "endangered" per COSEWIC and are protected by the Endangered Species Act (ESA). As such, a formal Butternut Health Assessment (BHA) must be conducted during leaf-on season. The results will be submitted to the Ministry of Environment, Conservation, and Parks (MECP). If the tree is assessed as Category 2 or 3, additional action under the ESA may be required. Until the BHA is submitted and/or ESA requirements have been satisfied, activity within 25m of Bn1 is not permitted.

Monitoring

Monitoring of tree protection measures should occur monthly by an Arborist or Forester throughout the duration of construction. The visits should be documented and additional protection and/or mitigation measures recommended upon each visit implemented and confirmed with the supervising Arborist or Forester.

Compensation

Tree Compensation - Private/Town

A compensation value of trees identified for removal was conducted. The valuation protocol followed the methodology outlined in sections 7.1 and 7.2 of the Town of Aurora's *Tree Removal/Pruning and Compensation Policy*, dated June 2015.

All trees identified for removal are in a landscape setting.

The total combined compensation value of these trees per section 7 was calculated to be **\$105,520**.

Refer to Appendix A for the compensation value calculations.

Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by 1000679027 Ontario Inc. to complete a Tree Inventory and Preservation Plan as part of a development application for the property located at 161 Heathwood Heights Drive in Aurora. A tree inventory was conducted and reviewed in the context of the proposed site plan.

The findings of the study indicate a total of 88 trees and two tree polygons on and within six metres of the subject property. The removal of 52 trees and one tree polygon will be required to accommodate the proposed development. The preservation of all other tree resources will be possible provided appropriate tree protection measures are installed prior to demolition and construction.

The following recommendations are suggested to minimize impacts to trees identified for preservation. Refer to Figure 1 for the preservation fence detail and additional tree preservation notes.

- Tree protection barriers and fencing should be erected at locations prescribed on Figure 1.
- Tree protection measures will have to be implemented prior to demolition and construction to ensure the trees identified for preservation are not impacted by the development.
- Special mitigation measures are required adjacent to select trees; refer to the *Tree Preservation* section for details.

- Branches and roots that extend past prescribed tree protection zones that require pruning must be pruned by a qualified Arborist or other tree professional. All pruning of tree roots and branches must be in accordance with good arboricultural standards.
- Site visits, pre, during and post construction are 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 mitigation measures are implemented.

Respectfully Submitted,

Kuntz Forestry Consulting Inc.

Celine Batterink

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Disclaimer

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 (ie. 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 locations in the report may not be exact. Where KFCI's in-house GPS unit is used (if applicable), tree locations are accurate only to the extent that the technology allows, which can be variable based on satellite available, RTK network / cell coverage, canopy coverage, and/or projection transformation limitations. 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: 161 Heathwood Heights Drive Date: 4 February 2025 Surveyors: CB

Tree #	Common Name	Scientific Name	DBH	TI	cs	cv	DL	CDB	mTPZ	OWN	Comments	Action
768	Littleleaf Linden	Tilia cordata	42	F-G	F-G	G	5		3.6	City (ROW)	Co-dominant in crown, coppice growth (L)	Retain
769	Blue Spruce	Picea pungens	52	G	F	P-F	3.5	20	4.5	Private	Top dead	Remove
770	Emerald Cedar	Thuja occidentalis 'Smaragd'	~13, 10, 11	G	G	G	0.5		2.4	Private		Remove
771	Emerald Cedar	Thuja occidentalis Smaragd'	~13, 10, 11, 9	G	G	G	0.5		2.4	Private		Remove
772	Ornamental Pear	Pyrus calleryana	14	G	G	G	2		2.4	City (ROW)		Remove
773	White Elm cultivar	Ulmus americana cv	18.5	F-G	F-G	G	2.5		2.4	City (ROW)	Pruning wounds (L), poor form (L), lean (L)	Remove
774	Thornless Honey Locust	Gleditsia triacanthos 'inermis'	16	F-G	F	F	3		2.4	City (ROW)	Epicormic branching (L), pruning wounds (L), asymmetrical crown (L), poor form (L)	Remove
775	White Elm cultivar	Ulmus americana cv	36.5	G	G	G	4		3.0	City (ROW)	Growth deficit (L), lean (L)	Remove
776	Norway Maple	Acer platanoides	36.5	F-G	G	F-G	3.5		3.0	City (ROW)	Union at 2m	Retain
777	Norway Spruce	Picea abies	48.5	G	G	G	5		3.6	Private	Potentially shared	Remove
778	Sugar Maple	Acer saccharum	42	F	F	F-G	3		4.5	Private	Deadwood (L), poor union at 1.5m	Remove
779	Blue Spruce	Picea pungens	33	G	G	F	3	15	3.0	Private	Pruning wounds (L)	Remove
780	White Spruce	Picea glauca	43	F	F-G	F-G	3		4.5	Private	Seam (M), pruning wounds (L), asymmetrical crown (L)	Remove

Tree #	Common Name	Scientific Name	DBH	TI	cs	CV	DL	CDB	mTPZ	OWN	Comments	Action
781	White Spruce	Picea glauca	30	G	F-G	F	2.5	15	3.0	Private	Asymmetrical crown (L), sparse crown (L)	Remove
782	White Spruce	Picea glauca	32.5	G	F-G	G	2.5		3.0	Private	Asymmetrical crown (L)	Remove
783	White Spruce	Picea glauca	37.5	G	F-G	G	2.5		3.0	Private	Asymmetrical crown (L)	Remove
784	White Spruce	Picea glauca	27.5	G	F-G	F	2.5	10	3.0	Private	Asymmetrical crown (L), sparse crown (L)	Remove
785	White Spruce	Picea glauca	24	G	F-G	F	2.5	10	2.4	Private	Asymmetrical crown (L), sparse crown (L)	Remove
786	White Spruce	Picea glauca	30	F-G	F-G	F-G	3		3.0	Private	Asymmetrical crown (L), crook (L), seam (L)	Remove
787	White Spruce	Picea glauca	44.5	G	F-G	F	2.5	10	4.5	Private	Asymmetrical crown (L), sparse crown (L)	Remove
788	White Spruce	Picea glauca	29.5	G	F-G	F-G	2.5		3.0	Private	Asymmetrical crown (L), sparse crown (L)	Remove
789	White Spruce	Picea glauca	29	G	F-G	F-G	2.5		3.0	Private	Asymmetrical crown (L), sparse crown (L)	Remove
790	White Spruce	Picea glauca	23	G	F-G	F-G	2.5	10	2.4	Private	Asymmetrical crown (L), sparse crown (L)	Remove
791	White Spruce	Picea glauca	33	G	G	F-G	2.5		3.0	Private		Remove
792	White Spruce	Picea glauca	25	G	F-G	F-G	2.5	10	2.4	Private	Asymmetrical crown (L)	Remove
793	White Spruce	Picea glauca	35	G	F-G	F-G	2.5		3.0	Private	Asymmetrical crown (L)	Remove
794	White Spruce	Picea glauca	35	G	F-G	F-G	2.5		3.0	Private	Asymmetrical crown (L)	Remove
795	White Spruce	Picea glauca	32	G	F-G	F-G	3		3.0	Private	Asymmetrical crown (L)	Remove
796	White Spruce	Picea glauca	35	G	F-G	F-G	3		3.0	Private	Asymmetrical crown (L)	Remove
797	White Spruce	Picea glauca	32	G	F-G	F-G	3		3.0	Private	Asymmetrical crown (L)	Remove
798	White Spruce	Picea glauca	41.5	G	F-G	F-G	3		4.5	Private	Asymmetrical crown (M), stem wound (L)	Remove
799	White Spruce	Picea glauca	26.5	G	F-G	F-G	2		3.0	Private	Small live crown ratio	Remove
800	White Spruce	Picea glauca	23.5	G	F-G	F-G	2		2.4	Private	Small live crown ratio Rei	
801	White Spruce	Picea glauca	24.5	G	F-G	F-G	2		2.4	Private	Small live crown ratio	Remove
802	White Spruce	Picea glauca	34	G	F-G	F-G	2.5		3.0	Private	Asymmetrical crown (L)	Remove

Tree #	Common Name	Scientific Name	DBH	TI	cs	CV	DL	CDB	mTPZ	OWN	Comments	Action
803	White Spruce	Picea glauca	32	G	F-G	F-G	2.5		3.0	Private	Asymmetrical crown (L), small live crown ratio	Remove
804	White Spruce	Picea glauca	35	G	F-G	F-G	3		3.0	Private	Asymmetrical crown (L)	Remove
805	White Spruce	Picea glauca	40	G	F-G	G	3.5		4.5	Private	Asymmetrical crown (L)	Remove
806	White Spruce	Picea glauca	28.5	F	F	F	2.5		3.0	Private	Co-dominant in crown, lower crown dieback	Remove
807	White Spruce	Picea glauca	36	G	F-G	G	3		3.0	Private	Asymmetrical crown (L)	Remove
808	White Spruce	Picea glauca	30	F	F	F	3		3.0	Private	Small live crown ratio, canker (M)	Remove
809	White Elm	Ulmus americana	30	G	G	G	3		3.0	Private		Remove
810	White Spruce	Picea glauca	35	G	F-G	G	3		3.0	Private	Asymmetrical crown (L)	Remove
811	White Spruce	Picea glauca	38	G	F-G	G	3.5		3.6	Private	Asymmetrical crown (L)	Remove
812	White Spruce	Picea glauca	30	G	F	F	2		3.0	Private	Small live crown ratio	Remove
813	White Spruce	Picea glauca	29	G	F	F	2		3.0	Private	Small live crown ratio	Remove
814	White Spruce	Picea glauca	32	G	F-G	F-G	3		3.0	Private	Small live crown ratio, stem wound (L)	Remove
815	White Spruce	Picea glauca	26	G	F-G	F-G	2.5		3.0	Private	Small live crown ratio	Retain (injure)
816	White Spruce	Picea glauca	39	G	F-G	F-G	3		3.6	Shared [Private/ City (Park)]	Small live crown ratio, shared tree	Retain
817	White Spruce	Picea glauca	26	G	F-G	F-G	3		3.0	Private	Small live crown ratio	Remove
818	White Spruce	Picea glauca	29.5	G	F	F-G	2.5		3.0	Private	Small live crown ratio, asymmetrical crown (L)	Remove
819	White Spruce	Picea glauca	28	G	F	F-G	2.5		3.0	Private	Small live crown ratio, asymmetrical crown (M)	Remove
820	White Spruce	Picea glauca	36	G	F-G	F-G	3		3.0	Private	Asymmetrical crown (L)	Remove
821	White Spruce	Picea glauca	24	G	F	F	2		2.4	Shared [Private/ City (Park)]	Small live crown ratio	Retain
822	White Spruce	Picea glauca	40	G	G	G	3		3.6	Private		Remove
823	White Spruce	Picea glauca	45.5	G	G	G	3		3.6	Private		Retain (injure)

Tree #	Common Name	Scientific Name	DBH	TI	cs	cv	DL	CDB	mTPZ	OWN	Comments	Action
824	White Spruce	Picea glauca	45	G	G	G	3.5		3.6	Private		Remove
Α	White Birch	Betula papyrifera	~8-14	F-G	F-G	F-G	3		2.4	Neighbour	Asymmetrical crown (L), stem wounds (L), union at base with 7 stems	Remove
В	Norway Maple	Acer platanoides	20	G	F-G	G	3		2.4	City (Park)	Bowed (L)	Retain
С	Sugar Maple	Acer saccharum	19	F	F	F	2.5		2.4	City (Park)	Canker (M), poor form (M)	Retain
D	White Spruce	Picea glauca	36	G	G	G	3		3.0	City (Park)		Retain
Е	White Spruce	Picea glauca	31	G	G	G	3		3.0	City (Park)		Retain
F	Sugar Maple	Acer saccharum	6	G	G	G	2.5		1.5	City (Park)		Retain
G	White Spruce	Picea glauca	26.5	G	G	G	3		3.0	City (Park)		Retain
Н	White Spruce	Picea glauca	32	G	G	G	3		3.0	City (Park)		Retain
I	White Spruce	Picea glauca	21.5	G	F-G	G	2		2.4	City (Park)	Small live crown ratio	Retain
J	Sugar Maple	Acer saccharum	6	G	F-G	G	3		1.5	City (Park)	Bowed (L) over subject property	Retain
К	White Spruce	Picea glauca	42	F	G	F	3		3.6	City (Park)	Stem wound (L), sapsucker damage (L)	Retain
L	White Spruce	Picea glauca	26	G	G	G	3		3.0	City (Park)		Retain
М	White Spruce	Picea glauca	31	G	G	G	3		3.0	City (Park)		Retain
N	White Spruce	Picea glauca	16, 13	F	F	F	1.5		2.4	City (Park)	Co-dominant at 0.6m	Retain
0	Sugar Maple	Acer saccharum	5.5	G	G	G	2		2.4	City (Park)		Retain

Tree #	Common Name	Scientific Name	DBH	TI	cs	CV	DL	CDB	mTPZ	OWN	Comments	Action
Р	White Spruce	Picea glauca	28	G	G	G	3		3.0	City (Park)		Retain
Q	White Spruce	Picea glauca	22	G	G	G	2		2.4	City (Park)		Retain
R	Basswood	Tilia americana	5.5	G	F	F	2		1.5	City (Park)	Poor form (M)	Retain
S	White Spruce	Picea glauca	32	G	G	G	3.5		3.0	City (Park)		Retain
Т	White Spruce	Picea glauca	26.5	G	G	G	3		3.0	City (Park)		Retain (injure)
U	White Spruce	Picea glauca	31	G	G	G	3		3.0	City (Park)		Retain (injure)
V	Bitternut Hickory	Carya cordiformis	5.5	G	G	G	2		1.5	City (Park)		Retain
W	Bitternut Hickory	Carya cordiformis	24	G	F	G	5		2.4	City (Park)	Bowed crown (M) over subject property	Retain (injure)
Х	Bitternut Hickory	Carya cordiformis	29	G	G	G	4		3.0	City (Park)		Retain (injure)
Υ	Basswood	Tilia americana	12, 13	F	F	F	3		2.4	City (Park)	Union at base, poor form (M)	Retain
Z	Bitternut Hickory	Carya cordiformis	30	G	F-G	G	4		3.0	City (Park)	Asymmetrical crown (L)	Retain
Aa	Basswood	Tilia americana	24	G	G	G	5		2.4	City (Park)		Retain
Ab	Basswood	Tilia americana	29	G	G	G	4		3.0	City (Park)		Retain
Ac	Basswood	Tilia americana	20	G	F	G	4		2.4	City (Park)	Asymmetrical crown (M)	Retain
Ad	Willow species	Salix sp.	~32, 36	F	F	P-F	5		3.0	City (Park)	V-union at 1m, epicormic branching (H), asymmetrical crown (L)	Retain
BN1	Butternut	Juglans cinerea	25	Р	Р	Р	3	95	2.4	City (Park)	Moribund, canker (H)	Retain

Tree #	Common Name	Scientific Name	DBH	TI	cs	cv	DL	CDB	mTPZ	OWN	Comments	Action
P1	Eastern White Cedar	Thuja occidentalis	5-15	G	G	G	1		1.5-2.4	Private	16 trees, 2 trees >12cm DBH, several more dead	Remove
P2	Eastern White Cedar	Thuja occidentalis	~2-6	G	G	G	1		1.5	Private	11 trees, 2 >5cm DBH	Retain

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)
DL	Dripline	(m)
CDB	Crown Die Back	(%)
mTPZ	minimum Tree Protection Zone based on Town of Aurora's standards	(m), radius from outside edge of tree base
OWN	Ownership	Private, Neighbouring, Municipality, Region
	~ = estimate; (VL) = very light; (L) = light; (M) = moderate	; (H) = heavy; (VH) = very heavy

Appendix A. Tree Valuation Calculations - Private

	to the second of						INSTALLED	BASIC				
Location: 161	I Heathwood Heights	<u>Drive</u>				REPLACE-	COST	TREE	Species	Species	Condition	FINAL
						MENT TREE	\$	COST	RATING	VALUE	RATING	VALUE
Tree #	Common Name	Scientific Name	DBH	DBH - adjusted*	ос	(cm ²)		\$	%	\$	%	\$
769	Blue Spruce	Picea pungens	52		P-F	6	\$735.00	\$ 6,370.00	0.72	\$4,586	0.4	\$1,835
770	Emerald Cedar	Thuja occidentalis 'Smaragd'	~13, 10, 11	13	G	6	\$491.68	\$ 1,065.30	0.66	\$703	0.90	\$633
771	Emerald Cedar	Thuja occidentalis Smaragd'	~13, 10, 11, 9	13	G	6	\$491.68	\$ 1,065.30	0.66	\$703	0.90	\$633
772	Ornamental Pear	Pyrus calleryana	14		G	6	\$775.00	\$ 1,808.33	0.67	\$1,212	0.90	\$1,090
773	White Elm cultivar	Ulmus americana cv	18.5		F-G	6	\$793.75	\$ 2,447.40	0.66	\$1,615	0.75	\$1,211
774	Thornless Honey Locust	Gleditsia triacanthos 'inermis'	16		F	6	\$587.50	\$ 1,566.67	0.68	\$1,065	0.60	\$639
775	White Elm cultivar	Ulmus americana cv	36.5		G	6	\$793.75	\$ 4,828.65	0.66	\$3,187	0.90	\$2,868
777	Norway Spruce	Picea abies	48.5		G	6	\$717.50	\$ 5,799.79	0.71	\$4,118	0.90	\$3,706
778	Sugar Maple	Acer saccharum	42		F	6	\$1,165.00	\$ 8,155.00	0.75	\$6,116	0.60	\$3,670
779	Blue Spruce	Picea pungens	33		F	6	\$735.00	\$ 4,042.50	0.72	\$2,911	0.60	\$1,746
780	White Spruce	Picea glauca	43		F	7	\$782.50	\$ 4,806.79	0.72	\$3,461	0.60	\$2,077
781	White Spruce	Picea glauca	30		F	7	\$782.50	\$ 3,353.57	0.72	\$2,415	0.60	\$1,449
782	White Spruce	Picea glauca	32.5		F-G	7	\$782.50	\$ 3,633.04	0.72	\$2,616	0.75	\$1,962
783	White Spruce	Picea glauca	37.5		F-G	7	\$782.50	\$ 4,191.96	0.72	\$3,018	0.75	\$2,264
784	White Spruce	Picea glauca	27.5		F	7	\$782.50	\$ 3,074.11	0.72	\$2,213	0.60	\$1,328
785	White Spruce	Picea glauca	24		F	7	\$782.50	\$ 2,682.86	0.72	\$1,932	0.60	\$1,159

786	White Spruce	Picea glauca	30	F-G	7	\$782.50	\$ 3,353.57	0.72	\$2,415	0.75	\$1,811
787	White Spruce	Picea glauca	44.5	F	7	\$782.50	\$ 4,974.46	0.72	\$3,582	0.60	\$2,149
788	White Spruce	Picea glauca	29.5	F-G	7	\$782.50	\$ 3,297.68	0.72	\$2,374	0.75	\$1,781
789	White Spruce	Picea glauca	29	F-G	7	\$782.50	\$ 3,241.79	0.72	\$2,334	0.75	\$1,751
790	White Spruce	Picea glauca	23	F-G	7	\$782.50	\$ 2,571.07	0.72	\$1,851	0.75	\$1,388
791	White Spruce	Picea glauca	33	F-G	7	\$782.50	\$ 3,688.93	0.72	\$2,656	0.75	\$1,992
792	White Spruce	Picea glauca	25	F-G	7	\$782.50	\$ 2,794.64	0.72	\$2,012	0.75	\$1,509
793	White Spruce	Picea glauca	35	F-G	7	\$782.50	\$ 3,912.50	0.72	\$2,817	0.75	\$2,113
794	White Spruce	Picea glauca	35	F-G	7	\$782.50	\$ 3,912.50	0.72	\$2,817	0.75	\$2,113
795	White Spruce	Picea glauca	32	F-G	7	\$782.50	\$ 3,577.14	0.72	\$2,576	0.75	\$1,932
796	White Spruce	Picea glauca	35	F-G	7	\$782.50	\$ 3,912.50	0.72	\$2,817	0.75	\$2,113
797	White Spruce	Picea glauca	32	F-G	7	\$782.50	\$ 3,577.14	0.72	\$2,576	0.75	\$1,932
798	White Spruce	Picea glauca	41.5	F-G	7	\$782.50	\$ 4,639.11	0.72	\$3,340	0.75	\$2,505
799	White Spruce	Picea glauca	26.5	F-G	7	\$782.50	\$ 2,962.32	0.72	\$2,133	0.75	\$1,600
800	White Spruce	Picea glauca	23.5	F-G	7	\$782.50	\$ 2,626.96	0.72	\$1,891	0.75	\$1,419
801	White Spruce	Picea glauca	24.5	F-G	7	\$782.50	\$ 2,738.75	0.72	\$1,972	0.75	\$1,479
802	White Spruce	Picea glauca	34	F-G	7	\$782.50	\$ 3,800.71	0.72	\$2,737	0.75	\$2,052
803	White Spruce	Picea glauca	32	F-G	7	\$782.50	\$ 3,577.14	0.72	\$2,576	0.75	\$1,932
804	White Spruce	Picea glauca	35	F-G	7	\$782.50	\$ 3,912.50	0.72	\$2,817	0.75	\$2,113
805	White Spruce	Picea glauca	40	F-G	7	\$782.50	\$ 4,471.43	0.72	\$3,219	0.75	\$2,415
806	White Spruce	Picea glauca	28.5	F	7	\$782.50	\$ 3,185.89	0.72	\$2,294	0.60	\$1,376
807	White Spruce	Picea glauca	36	F-G	7	\$782.50	\$ 4,024.29	0.72	\$2,897	0.75	\$2,173
808	White Spruce	Picea glauca	30	F	7	\$782.50	\$ 3,353.57	0.72	\$2,415	0.60	\$1,449

809	White Elm	Ulmus americana	30		G	6	\$845.83	\$ 4,229.13	0.52	\$2,199	0.90	\$1,979
810	White Spruce	Picea glauca	35		F-G	7	\$782.50	\$ 3,912.50	0.72	\$2,817	0.75	\$2,113
811	White Spruce	Picea glauca	38		F-G	7	\$782.50	\$ 4,247.86	0.72	\$3,058	0.75	\$2,294
812	White Spruce	Picea glauca	30		F	7	\$782.50	\$ 3,353.57	0.72	\$2,415	0.60	\$1,449
813	White Spruce	Picea glauca	29		F	7	\$782.50	\$ 3,241.79	0.72	\$2,334	0.60	\$1,400
814	White Spruce	Picea glauca	32		F-G	7	\$782.50	\$ 3,577.14	0.72	\$2,576	0.75	\$1,932
817	White Spruce	Picea glauca	26		F-G	7	\$782.50	\$ 2,906.43	0.72	\$2,093	0.75	\$1,569
818	White Spruce	Picea glauca	29.5		F	7	\$782.50	\$ 3,297.68	0.72	\$2,374	0.60	\$1,425
819	White Spruce	Picea glauca	28		F	7	\$782.50	\$ 3,130.00	0.72	\$2,254	0.60	\$1,352
820	White Spruce	Picea glauca	36		F-G	7	\$782.50	\$ 4,024.29	0.72	\$2,897	0.75	\$2,173
822	White Spruce	Picea glauca	40		G	7	\$782.50	\$ 4,471.43	0.72	\$3,219	0.90	\$2,897
824	White Spruce	Picea glauca	45		G	7	\$782.50	\$ 5,030.36	0.72	\$3,622	0.90	\$3,260
Α	White Birch	Betula papyrifera	~8-14	14	F-G	5	\$645.00	\$ 1,806.00	0.55	\$993	0.75	\$745
P1	Eastern White Cedar	Thuja occidentalis	5-15	140	G	6	\$607.50	\$ 14,175.00	0.75	\$10,631	0.90	\$9,568
											Total	\$105,520

Codes										
DBH	Diameter at Breast Height	(cm)								
OC Overall Condition (G, F, P, D)										

^{*}DBH adjusted to account for multi-stemmed trees (ie. largest stem used), or quantity of stems, in the case of polygons

Appendix B. Photographs of Trees



Image 1. Trees 768 (right) and 769 (left)





Image 3. Trees 772 (left) and 773 (centre)



Image 4. Trees 774 (left) and 775 (centre)



Image 5. Tree 776



Image 7. Tree 779



Image 6. Tree 777 (left) and 778 (right)



Image 8. Trees 780-782 (left-right)





Image 11. Trees 799, 794, 802, 797, 796, 795 right-left)



Image 10. Trees 785, 787, 786, 789, 788, 791, 790, 793, 798, 792 (right-left)



Image 12. Looking west toward house – Tree is far foreground trees 796, 797, 802, 803, 804 (right-left)



Image 13. Trees 804, 805, 809, 808, 810, 807 (right-left)



Image 14. Trees 806 (right) and A (left)



Image 15. Polygon P1



Image 16. Trees 819, 813, 818, 820, 814, 817, 815 (left-right)



Image 17. Trees 822, 821, H, G, 816, 815, 817, 820, 814 (right-left)



Image 18. Trees 823, P2, and M-P behind



Image 19. Trees Bn1, Trees C-E behind



Image 20. Trees E-K (right-left)



Image 21. Area containing Trees L, 823, P2, M-P



Image 22. Area containing Trees N-T



Image 23. Area containing Trees T-Z



Image 24. Trees W-Z and Aa-Ad (left-right)