

**Tree Inventory and Preservation Plan Report
46-56 Patterson Road
Barrie, Ontario**

prepared for

**Farrage Developments Inc.
185 Goulding Avenue
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prepared by



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KUNTZ FORESTRY CONSULTING INC Project P1595

Introduction

Kuntz Forestry Consulting Inc. was retained by Farrage Developments Inc. to complete a Tree Inventory and Preservation Plan Report in support of a development application for properties located at 46-56 Patterson Road in Barrie, Ontario. The subject properties are located on the southwest corner of Patterson Road and Phillips Street, within a mix-used area.

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

- Prepare inventory of the tree resources over 10cm on and within six metres of the subject properties and trees of all sizes within the road right-of-way;
- Evaluate potential tree saving opportunities based on the proposed development plans; and
- Document the findings in a Tree Inventory and Preservation Plan Report.

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.

The results of the evaluation are provided below.

Methodology

Trees measuring over 10cm DBH on and within six metres of the subject properties were identified to be included in the tree inventory. Trees were located using aerial imagery downloaded from the City of Barrie website and measurements from known points in-field. Trees were tagged using numbers 1-131. Refer to Table 1 for the results of the tree inventory and Figure 1 for the location of the trees.

Existing Site Conditions

The subject property is currently occupied by four residential houses and associated lawn and amenity areas. Tree resources exist in the form of landscape trees and naturally regenerating trees. Refer to Figure 1 for the existing site conditions.

Tree Resources

The tree inventory was conducted on 5 December 2017 and 29 January 2018. The inventory documented 131 trees on and within six metres of the subject properties. Refer to Table 1 for the full tree inventory and Figure 1 for the location of trees reported in the tree inventory.

Tree resources included in the inventory are comprised of Manitoba Maple (*Acer negundo*), Norway Maple (*Acer platanoides*), Sugar Maple (*Acer saccharum*), Alder Species (*Alnus spp.*), White Birch (*Betula papyrifera*), Magnolia Species (*Magnolia spp.*),

Apple Species (*Malus spp.*), White Mulberry (*Morus alba*), White Spruce (*Picea glauca*), Scots Pine (*Pinus sylvestris*), Poplar Species (*Populus spp.*), Black Cherry (*Prunus serotina*), Red Oak (*Quercus rubra*), Weeping Willow (*Salix babylonica*), Mountain Ash Species (*Sorbus spp.*), Eastern White Cedar (*Thuja occidentalis*), Little-leaf Linden (*Tilia cordata*), and White Elm (*Ulmus americana*).

Proposed Development

The proposed development includes the demolition of the existing dwellings and the construction of townhouses with associated parking and an amenity area. Refer to Figure 1 for the proposed development.

Discussion

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

Development Impacts/Tree Removals

The removal of 101 trees is required to accommodate the proposed development. Required tree removals include Trees 2-4, 6-12, 14, 15, 17-19, 21, 23-39, 44, 46-57, 59-86, 88, 90, 91, 93, 95, 96, 98-103, 105-111, 113, 114, 116, 117 and 128-131. The removal of Trees 1, 5, 13, 16, 20, 22, 58, 87, 94, 97, 104, 112, and 115 (13 trees) is recommended regardless of the site plan due to poor and/or hazardous condition. Refer to Figure 1 for the locations of tree removals.

Tree Preservation

Preservation of Trees 40-43, 45, 89, 92, and 118-127 (17 trees) 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 the proposed development to ensure tree resources designated for retention are not impacted by the development. Refer to Figure 1 for the location of required tree preservation fencing, general Tree Protection Plan Notes, and the tree preservation fence detail.

Encroachment into the dripline of Trees 45, 89, 92, 118, 120, 121-124, 126, and 127 is required to accommodate the proposed landscape plan (prepared by Landmark Environmental) and Stormwater Management/Grading plans (prepared by WMI Engineering). Given that no root pruning will be required to accommodate the landscape plan and stormwater management/grading, no long-term adverse effects are anticipated to the trees. The following mitigation measures must be implemented to ensure these trees respond well to the impacts of development:

- Prior to the commencement of the project, tree preservation fencing should be installed as indicated on Figure 1;
- Tree preservation fence must be maintained throughout the proposed demolition and construction. No grade change (excavation or filling) will be allowed within tree preservation fence during the construction phase, with the exception of the approved landscape plan and stormwater management/grading plans;
- After the completion of the proposed construction, tree preservation fence can be removed;

- Filling up to the property boundary will be required to provide stormwater drainage in accordance with the approved stormwater management and grading plans; and
- Branches that extend into the proposed development and require pruning must be pruned by a Certified Arborist or other tree professional in accordance with Good Arboricultural Standards.

Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by Farrage Developments Inc. to complete a Tree Inventory and Preservation Plan in support of a development application for the properties located at 46-56 Patterson Road in Barrie, Ontario. A tree inventory was conducted and reviewed in the context of the proposed work.

The findings of the study indicate a total of 131 trees on and within six metres of the subject properties. The removal of 101 trees will be required to accommodate the proposed development. The removal of 13 trees is recommended regardless of the site plan due to poor and/or hazardous condition. The remaining 17 trees can be saved provided appropriate tree protection measures are followed throughout construction.

The following recommendations are suggested to minimize impacts to trees identified for preservation. Refer to Figure 1 for 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 and roots that extend beyond prescribed tree protection zones that require pruning must be pruned by a Certified 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 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.

Respectfully Submitted,
Kuntz Forestry Consulting Inc.

Kaho Hayashi

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Table 1. Tree Inventory

Location: 46-52 Patterson Road, Barrie

Date: 5 December 2017 & 29 January 2018

Surveyors: KH

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	CDB	DL	Comments	Owner	Action
1	Weeping Willow	<i>Salix babylonica</i>	155	P/F	F	P/F	30	12	Union at 1.5m (4 stems), 1 stem dead and pruned, 1 stem lost leader at 4m, lean (M), crook (L), asymmetrical crown (L), dead branches (M), epicormic branches (M)	Private	Remove (condition)
2	Norway Maple	<i>Acer platanoides</i>	27	F/G	G	F/G		5	Union at 2m, seam (L), crook (L)	Private	Remove
3	White Spruce	<i>Picea glauca</i>	48.5	G	G	G		5	Pruning wounds (L), exposed roots (L)	Private	Remove
4	White Spruce	<i>Picea glauca</i>	11	G	G	G		2		Private	Remove
5	Weeping Willow	<i>Salix babylonica</i>	122	P/F	P/F	P	50	8	Union at 2m with included bark (M), broken branches (M), asymmetrical crown (M)	Private	Remove (condition)
6	Eastern White Cedar	<i>Thuja occidentalis</i>	18.5, 16.5, 15.5, 15	F/G	G	FG		3	Union at base and 0.6m (4 stems)	Private	Remove
7	White Spruce	<i>Picea glauca</i>	39.5	G	F/G	F/G		4	Pruning wounds (M), asymmetrical crown (L)	Private	Remove
8	Norway Maple	<i>Acer platanoides</i>	38	F/G	F/G	F/G		6	Lean (L), broken branches (L), asymmetrical crown (L), crook (L)	Private	Remove
9	Little-leaf Linden	<i>Tilia cordata</i>	31, 7	F/G	F/G	F/G		6	Exposed roots (L), union at base, asymmetrical crown (M)	Private	Remove
10	Sugar Maple	<i>Acer saccharum</i>	42, 22	F	G	F/G		6	Union at 0.6m, poor union	Private	Remove
11	Sugar Maple	<i>Acer saccharum</i>	25	F/G	F/G	F/G		5	Sweep (L), asymmetrical crown (M)	Private	Remove
12	Mountain Ash	<i>Sorbus spp.</i>	16	F/G	G	F/G		4	Crook (L), union at 1.5m	Private	Remove
13	Norway Maple	<i>Acer platanoides</i>	67, 32	P	G	F		8	Union at 1.2m and 1.5m (4 stems), poor form (M), 1 stem pruned at union with rot, crook (M), pruning wounds (L)	Private	Remove (condition)
14	Apple Species	<i>Malus spp.</i>	10.5, 9.5	F	G	F/G		3	Union at 0.8m, sweep (M), crook (L)	Private	Remove
15	White Birch	<i>Betula papyrifera</i>	33.5	F/G	G	F/G		6	Lean (L), co-dominance at 6m	Private	Remove
16	White Birch	<i>Betula papyrifera</i>	18	P/F	P/F	P/F	60	3	Crook (M), union at base but 1 stem pruned with cavity and rot, pruning wounds (M), dead branches (M)	Private	Remove (condition)
17	White Birch	<i>Betula papyrifera</i>	28	F/G	F	F	30	4	Crook (L), pruning wounds (L), broken branches (M)	Private	Remove
18	White Birch	<i>Betula papyrifera</i>	60	F/G	F	F/G		8	Pruning wounds (M) due to overhead utility wire, crook (L)	Private	Remove
19	Alder Species	<i>Alnus spp.</i>	12.5, 8, 8, 4	F/G	G	G		4	Union at base, multi-stemmed	Private	Remove
20	Norway Maple	<i>Acer platanoides</i>	68.5	P/F	F/G	F		6	Union at 1.6m (7 stems), pruning wounds (L) due to overhead utility wire, 1 stem dead, conk at union, poor union, dead branches (L)	Private	Remove (condition)
21	Apple Species	<i>Malus spp.</i>	10-23 (avg. 18)	F	F/G	F/G		6	Union at 1m (8 stems), 1 stem dead, stem wound (M)	Private	Remove
22	Red Oak	<i>Quercus rubra</i>	~63, 54	F	F	F/G		10	Co-dominance at base, lean (L), pruning wounds (M) with conk, fused stems, asymmetrical crown (M)	Private	Remove (condition)
23	Sugar Maple	<i>Acer saccharum</i>	97.5	F	F	F	15	10	Union at 2m (4 stems), 1 stem dead and broken, dead branches (L), stem wound (L) at base with rot, exposed roots (L)	Private	Remove
24	Sugar Maple	<i>Acer saccharum</i>	~60, 60	F/G	G	F/G		12	Co-dominance at base, pruning wounds (M) with cavity, exposed roots (L)	Private	Remove
25	Scots Pine	<i>Pinus sylvestris</i>	27.5	F/G	G	F/G		4	Lean (VL), asymmetrical crown (M), co-dominance in crown, pruning wounds (L)	Private	Remove
26	Scots Pine	<i>Pinus sylvestris</i>	29	F	F/G	F/G		4	Pruning wounds (L), crook (L), girdled stem, asymmetrical crown (M)	Private	Remove
27	Scots Pine	<i>Fraxinus pennsylvanica</i>	30	F/G	F/G	F/G		4	Crook (L), pruning wounds (L), asymmetrical crown (M)	Private	Remove
28	White Spruce	<i>Picea glauca</i>	10	G	F/G	G		2	Asymmetrical crown (M)	Private	Remove
29	Sugar Maple	<i>Acer saccharum</i>	15	F/G	F/G	F/G		4	Sweep (L), asymmetrical crown (L)	Private	Remove
30	Scots Pine	<i>Pinus sylvestris</i>	38	F/G	F/G	F/G		5	Lean (L), pruning wounds (L), crook (L), asymmetrical crown (M)	Private	Remove
31	Sugar Maple	<i>Acer saccharum</i>	12	F/G	F/G	F/G		4	Sweep (L), crook (M)	Private	Remove
32	Scots Pine	<i>Pinus sylvestris</i>	40.5	F/G	G	F/G		5	Pruning wounds (L), crook (L), girdled stem, asymmetrical crown (M)	Private	Remove
33	White Elm	<i>Ulmus americana</i>	16.5	F	F	F/G		4	Fused with #34, co-dominance in crown, crook (M)	Private	Remove
34	Scots Pine	<i>Pinus sylvestris</i>	20.5	F/G	G	F/G		4	Fused with #33, crook (L), pruning wounds (L)	Private	Remove
35	Sugar Maple	<i>Acer saccharum</i>	21.5	F/G	F/G	F/G		5	Exposed roots (L), pruning wounds (L), broken branches (L) due to failed tree	Private	Remove
36	White Elm	<i>Ulmus americana</i>	~23	F	F/G	F/G		5	Fused with #37, crook (M)	Private	Remove
37	Scots Pine	<i>Pinus sylvestris</i>	~50	F/G	F	F	30	6	Fused with #36, crook (L), sparse crown (M)	Private	Remove
38	Scots Pine	<i>Pinus sylvestris</i>	35	F/G	P	P	80	3	Dead leader, crook (L)	Private	Remove
39	White Spruce	<i>Picea glauca</i>	25	F/G	F/G	F/G		4	Pruning wounds (L), co-dominance in crown, asymmetrical crown (M)	Private	Remove
40	White Spruce	<i>Picea glauca</i>	40.5	F/G	G	G		4	Pruning wounds (L), sweep (L)	Neighbour	Preserve
41	White Spruce	<i>Picea glauca</i>	35.5	F/G	G	G		4	Pruning wounds (L), sweep (L)	Neighbour	Preserve
42	White Spruce	<i>Picea glauca</i>	36	F/G	G	G		4	Pruning wounds (L), sweep (L)	Neighbour	Preserve
43	White Spruce	<i>Picea glauca</i>	38	F/G	G	G		4	Pruning wounds (L), lean (L)	Neighbour	Preserve
44	Eastern White Cedar	<i>Thuja occidentalis</i>	21	F/G	G	G		3	Sweep (L)	Neighbour	Remove
45	Sugar Maple	<i>Acer saccharum</i>	~55	F	G	F/G		6	Union at 1.5m and 1.8m (4 stems), cavity at union	Neighbour	Preserve
46	Manitoba maple	<i>Acer negundo</i>	63	F	G	F/G		12	Lean (M) to south, co-dominance at 6m	Private	Remove
47	Sugar Maple	<i>Acer saccharum</i>	28	F/G	G	G		4	Union at 1.6m with included bark (M)	Private	Remove

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48	Sugar Maple	<i>Acer saccharum</i>	20	F/G	G	G		6	Crook (L)	Private	Remove
49	Sugar Maple	<i>Acer saccharum</i>	22, 14	F/G	G	G		6	Bow (L), union at base	Private	Remove
50	Sugar Maple	<i>Acer saccharum</i>	17.5	G	G	G		5		Private	Remove
51	Manitoba maple	<i>Acer negundo</i>	17.5	P/F	F/G	F/G		8	Crook (M), bow (M) to south	Private	Remove
52	Sugar Maple	<i>Acer saccharum</i>	26, 18.5, 18	F/G	G	F/G		6	Union at base, stem wound (L) at base	Private	Remove
53	Sugar Maple	<i>Acer saccharum</i>	23	G	G	G		5		Private	Remove
54	Sugar Maple	<i>Acer saccharum</i>	27	G	G	G		5		Private	Remove
55	Manitoba maple	<i>Acer negundo</i>	18.5	F	F/G	F/G		4	Crook (L), epicormic branches (M), grape vine competition (L)	Private	Remove
56	Manitoba maple	<i>Acer negundo</i>	55	F	G	F/G		10	Lean (L), co-dominance at 4m	Private	Remove
57	Norway Maple	<i>Acer platanoides</i>	32, 32	F	F	F/G		6	Union at 0.8m with included bark (M), exposed roots (L), broken branches (L), crook (L)	Private	Remove
58	Manitoba maple	<i>Acer negundo</i>	~30	P	F	F		4	Union at 0.8m, larger stem pruned at union, numerous conk near union, asymmetrical crown (M), internal decay ==> hazard	Private	Remove (condition)
59	White Elm	<i>Ulmus americana</i>	21.5	G	G	G		4		Private	Remove
60	Sugar Maple	<i>Acer saccharum</i>	12	F/G	F/G	F	20	3	Dead branches (L), asymmetrical crown (M), crook (L)	Private	Remove
61	Eastern White Cedar	<i>Thuja occidentalis</i>	23, 13	F/G	G	F/G		4	Union at 1m (8 stems), 1 stem dead, stem wound (M)	Private	Remove
62	Eastern White Cedar	<i>Thuja occidentalis</i>	18, 14, 12, 8	F/G	G	F/G		4	Union at 0.8m and 1m	Private	Remove
63	Eastern White Cedar	<i>Thuja occidentalis</i>	~30, 15, 13, 10	F/G	G	F/G		4	Union at 0.5m	Private	Remove
64	Eastern White Cedar	<i>Thuja occidentalis</i>	17	F/G	G	F/G		4	Sweep (L)	Private	Remove
65	Eastern White Cedar	<i>Thuja occidentalis</i>	16, 13	F/G	G	F/G		4	Union at base	Private	Remove
66	Eastern White Cedar	<i>Thuja occidentalis</i>	13, 10, 9	F/G	G	F/G		4	Union at 0.2m and 0.6m (3 stems) but 1 stem pruned	Private	Remove
67	Eastern White Cedar	<i>Thuja occidentalis</i>	17, 15, 13, 12	F/G	G	F/G		4	Union at 0.3m (4 stems) but smallest stem pruned	Private	Remove
68	Eastern White Cedar	<i>Thuja occidentalis</i>	~20, 12	F/G	G	F/G		4	Union at 0.3m	Private	Remove
69	Eastern White Cedar	<i>Thuja occidentalis</i>	15, 14, 10	F/G	G	F/G		4	Union at base	Private	Remove
70	Sugar Maple	<i>Acer saccharum</i>	33.5	F/G	G	G		6	Co-dominance in crown	Private	Remove
71	Eastern White Cedar	<i>Thuja occidentalis</i>	14	G	F/G	F/G		4	Asymmetrical crown (M)	Private	Remove
72	Eastern White Cedar	<i>Thuja occidentalis</i>	11, 10	F/G	G	F/G		4	Union at base	Private	Remove
73	Eastern White Cedar	<i>Thuja occidentalis</i>	16.5	G	F	F/G		4	Asymmetrical crown (M)	Private	Remove
74	Eastern White Cedar	<i>Thuja occidentalis</i>	13, 11	F/G	G	F/G		4	Union at base	Private	Remove
75	Sugar Maple	<i>Acer saccharum</i>	30.5	G	G	G		6		Private	Remove
76	Eastern White Cedar	<i>Thuja occidentalis</i>	16	G	G	G		4		Private	Remove
77	Eastern White Cedar	<i>Thuja occidentalis</i>	13, 12, 10	F/G	G	F/G		4	Union at base and 1m	Private	Remove
78	Eastern White Cedar	<i>Thuja occidentalis</i>	16, 9, 9	F/G	G	F/G		4	Union at base and 1m	Private	Remove
79	Eastern White Cedar	<i>Thuja occidentalis</i>	17.5	G	G	G		4	Grape vine competition (L)	Private	Remove
80	Magnolia Species	<i>Magnolia spp.</i>	13, 6	F/G	G	F/G		4	Union at base, stem wound (L) at base	Private	Remove
81	White Mulberry	<i>Morus alba</i>	5-13 (avg. 8)	F	G	F/G		5	Union at base (~8 stems)	Private	Remove
82	White Birch	<i>Betula papyrifera</i>	49	F	G	F/G		8	Lean (L), co-dominance at 1.8m with included bark (M), seam (M)	Private	Remove
83	White Birch	<i>Betula papyrifera</i>	31, 30.5	F/G	G	F/G		8	Co-dominance at base, sweep (L)	Private	Remove
84	Sugar Maple	<i>Acer saccharum</i>	73	F/G	G	G		10	Co-dominance at 2m with included bark (M)	Private	Remove
85	Sugar Maple	<i>Acer saccharum</i>	66	F/G	G	F/G		8	Union at 2m, pruning wounds (L), asymmetrical crown (L)	Private	Remove
86	Poplar Species	<i>Populus spp.</i>	18.5	G	G	F/G		3		Private	Remove
87	Poplar Species	<i>Populus spp.</i>	13	P	P	P/F		3	Lost leader at 4m, bow (L), lean (L)	Private	Remove (condition)
88	Sugar Maple	<i>Acer saccharum</i>	43	F	F/G	F/G		6	Co-dominance at 2m, included fence (H), asymmetrical crown (M), stem wound (L) due to fence	Neighbour	Remove
89	Sugar Maple	<i>Acer saccharum</i>	~45	F/G	G	F/G		5	Co-dominance at 6m	Neighbour	Preserve
90	Manitoba maple	<i>Acer negundo</i>	22	F	F	F/G		4	Sweep (L), broken branches (M), crook (L), asymmetrical crown (M)	Private	Remove
91	Manitoba maple	<i>Acer negundo</i>	21	F/G	F/G	F/G		5	Sweep (L), crook (M), asymmetrical crown (M)	Private	Remove
92	Norway Maple	<i>Acer platanoides</i>	~25	G	G	F/G		5	Union at 2m, sweep (VL)	Neighbour	Preserve
93	Red Oak	<i>Quercus rubra</i>	~45, 25, 15	F/G	G	F/G		6	Union at 1.2m, sweep (L), included fence (M)	Private	Remove
94	Poplar Species	<i>Populus spp.</i>	32	F	G	F/G		4	Union at base, 1 stem dead	Private	Remove (condition)
95	Sugar Maple	<i>Acer saccharum</i>	17.5	G	G	G		4		Private	Remove
96	Sugar Maple	<i>Acer saccharum</i>	30	G	G	G		5	Co-dominance in crown	Private	Remove
97	Poplar Species	<i>Populus spp.</i>	42	P	G	P/F		4	Stem wound (H) with cavity at 5m, vertical crack, peeled bark ==> hazard	Private	Remove (condition)
98	Manitoba maple	<i>Acer negundo</i>	18.5	P/F	F	F/G		6	Crook (M), bow (M) to north, included fence (H), stem wound (M)	Private	Remove
99	Poplar Species	<i>Populus spp.</i>	~45	F	F/G	F		6	Stem wound (M) at base, asymmetrical crown (L), bow (L) to north	Private	Remove
100	Black Cherry	<i>Prunus serotina</i>	18.5	F/G	G	F/G		4	Co-dominance at 1.8m with included bark (M)	Private	Remove
101	Poplar Species	<i>Populus spp.</i>	29.5	G	G	G		4		Private	Remove
102	Sugar Maple	<i>Acer saccharum</i>	18.5	G	G	G		5		Private	Remove
103	Poplar Species	<i>Populus spp.</i>	11.5	P/F	P/F	P/F	30	4	Stem wound (M), crook (L), asymmetrical crown (M), dead branches (M)	Private	Remove
104	Poplar Species	<i>Populus spp.</i>	25	P	P	P		4	Stem wound (M), damaged bark, deadwood ==> potential hazard	Private	Remove (condition)
105	Manitoba maple	<i>Acer negundo</i>	28.5	F	F/G	F/G		8	Lean (M) to southwest, co-dominance at 4m	Private	Remove
106	Sugar Maple	<i>Acer saccharum</i>	~65	F/G	G	F/G		10	Union at 3 and 4m (3 stems), sweep (L)	Private	Remove
107	Scots Pine	<i>Pinus sylvestris</i>	28	F/G	G	G		4	Sweep (L)	Private	Remove

108	Scots Pine	<i>Pinus sylvestris</i>	11	F/G	G	G	2	Sweep (L)	Private	Remove
109	Scots Pine	<i>Pinus sylvestris</i>	28	F/G	G	G	4	Crook (L)	Private	Remove
110	Red Oak	<i>Quercus rubra</i>	25, 22	F/G	G	F/G	6	Union at 0.6m, lean (L), asymmetrical crown (M)	Private	Remove
111	Sugar Maple	<i>Acer saccharum</i>	12, 11	F/G	G	F/G	4	Union at 0.1m, crook (L), pruning wounds (L)	Private	Remove
112	Poplar Species	<i>Populus spp.</i>	44	P/F	G	F	4	Crack, deadwood (L), stem wound (H)	Private	Remove (condition)
113	Red Oak	<i>Quercus rubra</i>	17, 11, 10	F/G	F/G	F/G	5	Union at base, asymmetrical crown (M)	Private	Remove
114	Sugar Maple	<i>Acer saccharum</i>	13.5	G	G	G	4	Crook (L)	Private	Remove
115	Poplar Species	<i>Populus spp.</i>	33	P	P	P/F	3	Vertical crack, lost leader, stem wound (H) at base with cavity ==> hazard	Private	Remove (condition)
116	Sugar Maple	<i>Acer saccharum</i>	18	G	G	G	4	Crook (L)	Private	Remove
117	Mountain Ash	<i>Sorbus spp.</i>	13, 12	F/G	G	F/G	5	Union at 0.6m with included bark (M)	Private	Remove
118	Scots Pine	<i>Pinus sylvestris</i>	~45	F/G	G	F/G	6	Sweep (L)	Neighbour	Preserve
119	Scots Pine	<i>Pinus sylvestris</i>	~18	F/G	G	F/G	3	Sweep (L), crook (L)	Neighbour	Preserve
120	Scots Pine	<i>Pinus sylvestris</i>	~25	F/G	G	F/G	4	Sweep (L)	Neighbour	Preserve
121	Scots Pine	<i>Pinus sylvestris</i>	~30	F/G	G	F/G	5	Sweep (L)	Neighbour	Preserve
122	Scots Pine	<i>Pinus sylvestris</i>	~22	F/G	G	F/G	4	Crook (M)	Neighbour	Preserve
123	Scots Pine	<i>Pinus sylvestris</i>	~40	F/G	G	F/G	5	Crook (L), stem wound (L) at base	Neighbour	Preserve
124	Scots Pine	<i>Pinus sylvestris</i>	~20	F/G	G	F/G	4	Lean (L) to north, crook (L)	Neighbour	Preserve
125	Scots Pine	<i>Pinus sylvestris</i>	~25	F/G	G	F/G	3	Sweep (L)	Neighbour	Preserve
126	Scots Pine	<i>Pinus sylvestris</i>	~35	F/G	G	F/G	5	Bow (L), union at base	Neighbour	Preserve
127	Scots Pine	<i>Pinus sylvestris</i>	~25	F/G	G	F/G	5	Lean (L) to north, crook (L)	Neighbour	Preserve
128	Scots Pine	<i>Pinus sylvestris</i>	45.5	G	G	F/G	6	Asymmetrical crown (L)	Private	Remove
129	Scots Pine	<i>Pinus sylvestris</i>	44	F/G	F/G	F/G	6	Union at 3m with included bark (M), asymmetrical crown (M)	Private	Remove
130	Sugar Maple	<i>Acer saccharum</i>	~30, 15	F/G	G	G	5	Union at 1m with included bark (M)	Private	Remove
131	Sugar Maple	<i>Acer saccharum</i>	44	F/G	F	F/G	5	Union at 3m with included bark (M), bow (L), asymmetrical crown (H), growth deficit (M)	Private	Remove

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 dieback	%
DL	Dripline	(m)
Action	Removal required due to development	Remove
	Removal required due to tree condition	Remove (condition)
	Preservation required	Preserve
~ = Estimate, (VL) = very light, (L) = light, (M) = moderate, (H) = heavy		