

**Tree Inventory and Preservation Plan Report
1971 and 1975 Blvd St Laurent,
Ottawa, Ontario**

prepared for

**Starlight Investments
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prepared by



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KUNTZ FORESTRY CONSULTING INC Project P2949

Introduction

Kuntz Forestry Consulting Inc. was retained by Starlight Investments to complete a Tree Inventory and Preservation Plan in support of a development application for the property located at 1971 and 1975 Blvd St Laurent in Ottawa, Ontario. The property is located at the south corner of St. Laurent Boulevard and Russell Road, within a residential area.

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

- Prepare inventory of all tree resources on and adjacent to the subject property, with the potential to be impacted by the proposed work;
- Evaluate potential tree saving opportunities based on proposed development plans; and
- Document the findings in a Tree Inventory and Preservation Plan Report.

The results of the evaluation are provided below.

Methodology

The tree inventory was conducted on 14 and 15 October 2021. The topographic survey and estimations made in-field were used to locate tree resources. Tree resources located on the subject property or within the road right-of-ways were tagged using numbers 401-519. Neighbouring trees were not tagged and were identified as A-Z and AA-AE. Tree locations are shown on Figure 1. Refer to Tables 1 for the results of the tree inventory.

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.

Dripline – the radius of the crown, measured from the trunk to the outer tips of the branches.

Critical Root Zone – the radius of the critical root zone, calculated based on the DBH in accordance with City of Ottawa standards.

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 occupied by two apartment buildings and associated surface parking and amenity areas. Tree resources exist in the form of landscape trees and self-seeded individuals along the peripheries of the site. Refer to Figure 1 for the existing conditions.

Individual Tree Resources

The inventory documented 150 trees on and adjacent to the subject property. Refer to Tables 1 for the full tree inventory and Figure 1 for the locations of trees reported in the tree inventory.

Tree resources were comprised of Silver Maple (*Acer saccharinum*), Norway Maple (*Acer platanoides*), Littleleaf Linden (*Tilia cordata*), Apple species (*Malus sp.*), Blue Spruce (*Picea pungens*), Red Oak (*Quercus rubra*), Scots Pine (*Pinus sylvestris*), White Spruce (*Picea glauca*), Manitoba Maple (*Acer negundo*), Japanese Tree Lilac (*Syringa reticulata*), Austrian Pine (*Pinus nigra*), Siberian Elm (*Ulmus pumila*), Green Ash (*Fraxinus pennsylvanica*) and White Elm (*Ulmus americana*).

Proposed Development

The construction of three new residential towers with underground parking is proposed for the subject property, with new and/or realigned roadways, surface parking, and amenity spaces throughout. The existing apartment buildings are proposed to be retained. 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 93 trees, identified as Trees 401-413, 415, 417-420, 423-428, 430-442, 446, 447, 449, 461-475, 477-488, 495, 498, 499, 503-519, and B will be required to accommodate the proposed development. Trees identified for removal either conflict directly with the proposed development (including buildings, roadways, landscape features, and/or parking lots), or intrusion into their critical root zone (CRZ) would be too great, and we would not expect them to tolerate that level of intrusion. Refer to Table 1 for the reason for removal for the trees.

In addition, the removal of Trees 414, 416, 443, 452, and 453 is recommended due to their condition.

All trees identified for removal are located on the subject property, with the exception of Tree B, which is located on a neighbouring parcel and requires removal to accommodate the new roadway/parking. This tree is also in poor condition.

With the exception of Tree 507, all trees identified for removal are greater than 10cm DBH.

Refer to Figure 1 for the location of proposed tree removals.

Tree Preservation

The preservation of Trees 421, 422, 429, 444, 445, 448, 450, 451, 454-460, 476, 489-494, 496, 497, 500-502, A, C-Z, and AA-AE will be possible with appropriate tree protection measures as indicated on Figure 1. Tree protection measures will have to be implemented prior to construction 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.

City of Ottawa standards define the Critical Root Zone (CRZ) of trees, the minimum distance to be protected, as 10cm x DBH. These zones are shown on Figure 1 and will be protected wherever possible. Where minimal intrusion and/or work within the CRZ is required, extra mitigation measures are indicated below.

Excavation within CRZ

Encroachment into the CRZ of Tree 489 is required to accommodate the new parking lot through this area. While the existing parking lot is within a portion of the CRZ of this tree, the new parking lot is proposed to be installed closer to the tree than the existing parking lot in a small portion of the CRZ. The following protection and mitigation measures are required to ensure the tree responds well to construction:

- The tree protection fencing as indicated on Figure 1 must be installed and maintained throughout all stages of construction.
- The existing asphalt within the CRZ of this tree must be removed carefully. The subsurface should be utilized for the new asphalt wherever possible. If roots are encountered within the subsurface, they must be left intact.
- New excavation within the CRZ of this tree must occur using air spading, under the supervision of a certified Arborist.
- Exposed roots must be pruned in accordance with Good Arboricultural Standards.
- If structural roots or a dense mat of feeder roots are encountered, the work must be stopped and Urban Forestry contacted immediately.

Asphalt removal/replacement within CRZ

Encroachment into the CRZ's of Trees 444, 445, 429, 455, 489-494 and 502 is required to accommodate the removal and/or replacement of the existing asphalt through these areas. The following protection and mitigation measures are required to ensure the trees respond well to construction:

- The tree protection fencing as indicated on Figure 1 must be installed and maintained throughout all stages of construction, except when it must be adjusted during demolition to accommodate the removal of the existing asphalt and/or during final landscaping.
- The existing asphalt within the CRZ's of these trees must be removed carefully. Where the asphalt will be replaced with new paving or hardscaping, the subsurface should be utilized for the new surface wherever possible. If roots are encountered within the subsurface, they must be left intact.
- Where the asphalt will be replaced with softscaping, the subsurface should also be removed by hand and any roots encountered left intact. The area can then be amended using topsoil and/or sod.

Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by Starlight Investments to complete a Tree Inventory and Preservation Plan in support of a development application for the property located at 1971 and 1975 Blvd St Laurent in Ottawa, Ontario. A tree inventory was conducted and reviewed in the context of the proposed site plan.

The findings of the study indicate a total of 150 trees on and within six metres of the subject property. The removal of 93 trees will be required to accommodate the proposed development and/or due to their condition. The remaining trees can be saved provided appropriate tree protection measures are installed prior to the development.

The following recommendations are suggested to minimize impact 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.
- Special mitigation measures are required adjacent to select trees; refer to the *Tree Preservation* section for details.
- Branches and roots 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 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 measures are implemented.

Respectfully Submitted,

Kuntz Forestry Consulting Inc.

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Table 1. Tree Inventory

Location: 1971 and 1975 Blvd St Laurent, Ottawa

Date: 14 and 15 October 2021
 CB

Surveyors:

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	CDB	DL	CRZ	Ownership	Comments	Action	Reason for Removal
401	Silver Maple	<i>Acer saccharinum</i>	56.5	F	F	F		8	5.65	Private	Broken branches (L), asymmetrical crown (L), union at 3m, epicormic branching (L), poor form (L), exposed roots (L)	Remove	Parking
402	Silver Maple	<i>Acer saccharinum</i>	65.5	F-G	F	F	10	6.5	6.55	Private	Asymmetrical crown (L), pruning wounds (M)	Remove	Parking
403	Silver Maple	<i>Acer saccharinum</i>	42.5	F	P-F	P-F	40	5	4.25	Private	Deadwood (H), asymmetrical crown (M), lean (L)	Remove	Parking
404	Norway Maple	<i>Acer platanoides</i>	35	F-G	F-G	F	10	4	3.5	Private	Pruning wounds (L), growth deficit (M)	Remove	Roadway/ parking (CRZ intrusion)
405	Norway Maple	<i>Acer platanoides</i>	33.5	F	F-G	F		4	3.35	Private	Pruning wounds (L), union at 2m, canker (M)	Remove	Roadway/ parking (CRZ intrusion)
406	Norway Maple	<i>Acer platanoides</i>	29	F-G	F-G	F		3.5	2.9	Private	Pruning wounds (L), bowed (L)	Remove	Roadway/ parking (CRZ intrusion)
407	Norway Maple	<i>Acer platanoides</i>	33	F-G	F	P-F	40	4	3.3	Private	Pruning wounds (L)	Remove	New building (CRZ intrusion)
408	Norway Maple	<i>Acer platanoides</i>	38	G	G	F		4.5	3.8	Private	Pruning wounds (L)	Remove	New building (CRZ intrusion)
409	Silver Maple	<i>Acer saccharinum</i>	43	F-G	F-G	F	20	5	4.3	Private	Union at 2.5m, poor form (L), stem wound (L)	Remove	New building (CRZ intrusion)
410	Silver Maple	<i>Acer saccharinum</i>	42.5	F	F	F	15	4.5	4.25	Private	Pruning wounds (M), deadwood (M), vertical scaffolding limbs (L), v-union at 2.5m with seam and included bark (L)	Remove	New building (CRZ intrusion)

411	Littleleaf Linden	<i>Tilia cordata</i>	53.5, 22	F-G	F-G	G		5	5.35	Private	Union at 1.3m, pruning wounds (L), poor form (L), multiple branch attachments (L), epicormic branching (L), lean (L)	Remove	New building
412	Littleleaf Linden	<i>Tilia cordata</i>	44.5	P-F	F	F-G		4	4.45	Private	Pruning wounds (M) from pruned leader at 1.7m, seam (M), asymmetrical crown (M), split at old union with hollow stem	Remove	New building
413	Littleleaf Linden	<i>Tilia cordata</i>	53	F-G	F-G	G		4	5.3	Private	Multiple branch attachments (L)	Remove	New building
414	Crabapple species	<i>Malus sp.</i>	28, 19.5	F	F	P-F	60	4.5	2.8	Private	Union at 1m, pruning wounds (L), epicormic branching (M), asymmetrical crown (L)	Remove	Condition
415	Crabapple species	<i>Malus sp.</i>	29	F	F	F		5	2.9	Private	Lean (L), union at 1.7m, asymmetrical crown (L), epicormic branching (M)	Remove	Landscaping
416	Crabapple species	<i>Malus sp.</i>	20.5	P-F	P-F	P	50	3	2.05	Private	Pruning wounds (L), union at 1.7m, epicormic branching (M), cavity (H)	Remove	Condition
417	Blue Spruce	<i>Picea pungens</i>	22.5	F	F	F		1.5	2.25	Private	Deadwood (L), growth deficit (L), bowed stme (VL)	Remove	New building
418	Crabapple species	<i>Malus sp.</i>	30.5	F	F	P-F	50	5	3.05	Private	Peeling bark, union at 1.7m, epicormic branching (M), pruning wounds (L)	Remove	New building
419	Crabapple species	<i>Malus sp.</i>	23, 17.5	F	F	F		5	2.3	Private	Union at 0.6m, pruning wounds (M) with rot (L), asymmetrical crown (L), epicormic branching (M)	Remove	New building
420	Red Oak	<i>Quercus rubra</i>	46.5	G	F-G	G		7	4.65	Private	Pruning wounds (L), epicormic branching (L), asymmetrical crown (L)	Remove	New building (CRZ intrusion)
421	Scots Pine	<i>Pinus sylvestris</i>	24	F	F-G	F-G		4	2.4	Private	Asymmetrical crown (L), deadwood (L), stem wound (M), pruning wounds (L), sweep (L), crooks (L)	Retain	
422	Scots Pine	<i>Pinus sylvestris</i>	39	G	F-G	G		5	3.9	Private	Poor form (L), pruning wounds (L)	Retain	
423	Scots Pine	<i>Pinus sylvestris</i>	27	F-G	G	G		5	2.7	Private	Bowed (L), pruning wounds (L)	Remove	New building
424	Scots Pine	<i>Pinus sylvestris</i>	47	F-G	G	G		6	4.7	Private	Lean (L), bowed (L), pruning wounds (L)	Remove	New building
425	Silver Maple	<i>Acer saccharinum</i>	67	G	G	G		6.5	6.7	Private	Exposed roots (M) with wounds (M), union at 2m	Remove	New building

426	Silver Maple	<i>Acer saccharinum</i>	36.5	F	F	P-F	50	5	3.65	Private	Epicormic branching (L)	Remove	New building
427	Littleleaf Linden	<i>Tilia cordata</i>	39	F	F-G	F-G	10	3	3.9	Private	Seam (L), bowed (L), poor form (L), buried root flare	Remove	New building
428	Littleleaf Linden	<i>Tilia cordata</i>	52	F	F	F-G		3.5	5.2	Private	Pruning wounds (L), multiple branch attachments (L), poor form (L), v-union at 1.7m, buried root flare	Remove	New building
429	Littleleaf Linden	<i>Tilia cordata</i>	55	F-G	G	G		5	5.5	Private	Union at 1.6m, multiple branch attachments (L), v-union at 3m, buried root flare	Retain	
430	Blue Spruce	<i>Picea pungens</i>	38	G	F-G	F		3.5	3.8	Private	Sparse crown (L), pruning wounds (L)	Remove	New building
431	Blue Spruce	<i>Picea pungens</i>	33	G	F	F	10	3	3.3	Private	Pruning wounds (L), bowed (L)	Remove	New building
432	Blue Spruce	<i>Picea pungens</i>	25.5	G	G	F	10	3	2.55	Private	Pruning wounds (L)	Remove	New building
433	Blue Spruce	<i>Picea pungens</i>	30.5	G	G	F	10	3	3.05	Private		Remove	New building
434	Blue Spruce	<i>Picea pungens</i>	29	F	P	P-F		2.5	2.9	Private	Lost leader, stem wound (L)	Remove	New building
435	Crabapple species	<i>Malus sp.</i>	30, 26.5	F	F	F		5.5	3	Private	Union at 1.2m, lean (L), asymmetrical crown (M), epicormic branching (M)	Remove	New building
436	Crabapple species	<i>Malus sp.</i>	34.5	F	F	F	10	4.5	3.45	Private	Union at 1.2m, pruning wounds (L), epicormic branching (M), deadwood (L)	Remove	New building
437	Crabapple species	<i>Malus sp.</i>	27	F	F	F		5	2.7	Private	Union at 1.7m, pruning wounds (L), epicormic branching (m), asymmetrical crown (L), stem wounds (M)	Remove	New building
438	Crabapple species	<i>Malus sp.</i>	31.5	F	F	F		5	3.15	Private	Union at 1.7m, pruning wounds (M), epicormic branching (M), asymmetrical crown (L), stem wounds (L)	Remove	New building
439	Crabapple species	<i>Malus sp.</i>	16.5	F	F	F		5	1.65	Private	Deadwood (L), bowed crown (M), epicormic branching (M), stem wound (L)	Remove	New building
440	Crabapple species	<i>Malus sp.</i>	23.5	F	F	F		5	2.35	Private	Pruning wounds (M), asymmetrical crown (M), epicormic branching (M), stem wound (L)	Remove	New building

441	Crabapple species	<i>Malus sp.</i>	36.5	F	F	F		5	3.65	Private	Union at 1.6m, asymmetrical crown (L), epicormic branching (M), deadwood (L)	Remove	New building
442	Silver Maple	<i>Acer saccharinum</i>	61.5	F	P-F	P-F	50	5	6.15	Private	Stem wound (L), v-union at 2.2m	Remove	New building
443	Silver Maple	<i>Acer saccharinum</i>	62	F	P-F	P-F	50	6	6.2	Private	Union at 2m, pruning wounds (M), epicormic branching (M), poor form (L)	Remove	Condition
444	Littleleaf Linden	<i>Tilia cordata</i>	50	F	F-G	G		4	5	Private	Epicormic branching (L), seams (L), lean (L), poor form (L), buried root flare	Retain	
445	Littleleaf Linden	<i>Tilia cordata</i>	48.5	F	G	G		5	4.85	Private	Multiple branch attachments (L), fluxing seam (L), buried root flare, poor form (L)	Retain	
446	Littleleaf Linden	<i>Tilia cordata</i>	52	F	F-G	G		5	5.2	Private	V-union at 1.7m, pruning wounds (L), buried root flare	Remove	New building (CRZ intrusion)
447	Littleleaf Linden	<i>Tilia cordata</i>	39	F	F	F	10	4	3.9	Private	Lean (L), union at 1.7m, deadwood (M), epicormic branching (L)	Remove	New building
448	White Spruce	<i>Picea glauca</i>	23	F	F	P-F	30	2	2.3	Private		Retain	
449	Norway Maple	<i>Acer platanoides</i>	25.5	P-F	F	F	20	5	2.55	Private	Asymmetrical crown (M), fluxing seam (M) with rot	Remove	Landscaping
450	Crabapple species	<i>Malus sp.</i>	35	F	F	F		5	3.5	Private	Union at 1.4m, epicormic branching (M), asymmetrical crown (M), pruning wounds (L)	Retain	
451	Crabapple species	<i>Malus sp.</i>	19, 27, 13	F	F	F		6	2.7	Private	Union at 1m, epicormic branching (M), asymmetrical crown (M), pruning wounds (L), stem wound (L)	Retain	
452	Crabapple species	<i>Malus sp.</i>	24.5	P	P	P	90	6	2.45	Private	Asymmetrical crown (M)	Remove	Condition
453	Crabapple species	<i>Malus sp.</i>	14.5, 16.5, 18	P-F	F	F		6	1.8	Private	Union at 1.3m, epicormic branching (M), asymmetrical crown (M), borer damage, stem wound (M), peeling bark	Remove	Condition

454	Crabapple species	<i>Malus sp.</i>	27, 14.5	F	F	F		5	2.7	Private	Union at 1m, small stem dead, asymmetrical crown (M), epicormic branching (M), stem wound (L), pruning wounds (L)	Retain	
455	Crabapple species	<i>Malus sp.</i>	32.5, 13	F	F	F		6	3.25	Private	Union at 1m, asymmetrical crown (M), epicormic branching (M), stem wound (L), pruning wounds (L)	Retain	
456	Scots Pine	<i>Pinus sylvestris</i>	36	F-G	F-G	F-G		4	3.6	Private	Pruning wounds (L), bowed (L), poor form (L), lean (L)	Retain	
457	Scots Pine	<i>Pinus sylvestris</i>	31.5	F-G	F-G	G		5	3.15	Private	Stem wound (L), asymmetrical crown (L), bowed (L)	Retain	
458	Scots Pine	<i>Pinus sylvestris</i>	25.5	F-G	F-G	G		4	2.55	Private	Bowed (L), pruning wounds (L), asymmetrical crown (L), sapsucker damage (L)	Retain	
459	Scots Pine	<i>Pinus sylvestris</i>	33	F-G	F-G	G		5	3.3	Private	Bowed (L), lean (L), pruning wounds (L), asymmetrical crown (L), buried root flare	Retain	
460	Scots Pine	<i>Pinus sylvestris</i>	28	F-G	F	F-G		3.5	2.8	Private	Sweep (L), union at 2m, asymmetrical crown (L), poor form (L), lean (L)	Retain	
461	Littleleaf Linden	<i>Tilia cordata</i>	89.5	F	F-G	F-G		7	8.95	Private	Seams (M), union at 1.7m, multiple branch attachments (M), poor form (L), lean (L), growth deficit (M)	Remove	Landscaping (CRZ intrusion)
462	Blue Spruce	<i>Picea pungens</i>	30	G	F	F-G		3.5	3	Private	Pruning wounds (L), epicormic branching (L), asymmetrical crown (L)	Remove	New building
463	Blue Spruce	<i>Picea pungens</i>	37.5	G	F	F-G		4	3.75	Private	Pruning wounds (L), asymmetrical crown (L)	Remove	New building
464	Blue Spruce	<i>Picea pungens</i>	27	G	F-G	F		3	2.7	Private	Pruning wounds (L), asymmetrical crown (L)	Remove	New building
465	Blue Spruce	<i>Picea pungens</i>	28	G	F-G	F	10	2	2.8	Private	Pruning wounds (L), deadwood (L), asymmetrical crown (L), exposed roots (L)	Remove	New building
466	Blue Spruce	<i>Picea pungens</i>	32	G	F-G	F-G		2	3.2	Private	Pruning wounds (L), asymmetrical crown (L)	Remove	New building

467	Manitoba Maple	<i>Acer negundo</i>	81.5	F	F	F		12	8.15	Private	Union at 2m, pruning wounds (M), lean (M), epicormic branching (M), bowed (M), poor form (M), pruned stems at base	Remove	New building
468	White Pine	<i>Pinus strobus</i>	25	F	P-F	F		3.5	2.5	Private	Crook (H), poor form (M)	Remove	New building
469	White Spruce	<i>Picea glauca</i>	43	F-G	F	P-F	20	3	4.3	Private	Pruning wounds (L), lean (VL)	Remove	New building
470	Littleleaf Linden	<i>Tilia cordata</i>	64	F	G	G		5	6.4	Private	Barrelling (L) at base, bowed (L), pruning wounds (L)	Remove	New building
471	Littleleaf Linden	<i>Tilia cordata</i>	65	F-G	F-G	F-G		6	6.5	Private	Lean (VL), pruning wounds (L), poor form (L)	Remove	New building
472	Littleleaf Linden	<i>Tilia cordata</i>	49	F	F-G	F-G		5	4.9	Private	Bowed stem (L), pruning wounds (L), seam (L), v-union at 2m, growth deficit (L)	Remove	New building
473	Littleleaf Linden	<i>Tilia cordata</i>	39.5	F	P-F	P-F	20	4	3.95	Private	Epicormic branching (L), lean (L), pruning wounds (L), stem wound (L), dead leader	Remove	New building
474	Littleleaf Linden	<i>Tilia cordata</i>	10-15	F	F	F-G		3	1.5	Private	Union at base with 8 stems, stem wound (L)	Remove	Parking
475	Norway Maple	<i>Acer platanoides</i>	21.5	F	P	P	80	3	2.15	Private		Remove	Landscaping
476	Silver Maple	<i>Acer saccharinum</i>	22.5	F	F	P-F	30	4	2.25	Private	Stem wound (L)	Retain	
477	Blue Spruce	<i>Picea pungens</i>	26.5	F	F	F	15	2.5	2.65	Private	Stem wound (L), pruning wounds (L), sweep (L)	Remove	Parking
478	Blue Spruce	<i>Picea pungens</i>	21	F	F	P-F	20	2	2.1	Private	Stem wound (M), lean (L)	Remove	Parking
479	Blue Spruce	<i>Picea pungens</i>	33	F-G	F-G	F	10	3.5	3.3	Private	Lean (L), crook (L)	Remove	Parking
480	Crabapple species	<i>Malus sp.</i>	34	F	F	F		4.5	3.4	Private	Deadwood (L), epicormic branching (L), lean (VL), pruning wounds (L) with rot (L), poor form (L)	Remove	Parking
481	Crabapple species	<i>Malus sp.</i>	39	F	F	F		7	3.9	Private	Union at 1.5m, epicormic branching (L), asymmetrical crown (M), deadwood (L), stem wound (L), poor form (L)	Remove	Parking
482	Blue Spruce	<i>Picea pungens</i>	24.5	F	P-F	P-F	15	2	2.45	Private	Crook (M), lean (VL), stem wounds (M)	Remove	Parking
483	Silver Maple	<i>Acer saccharinum</i>	44	F-G	F	F	15	5.5	4.4	Private	Lean (VL), epicormic branching (L), pruning wounds (L)	Remove	Roadway/ parking

484	Silver Maple	<i>Acer saccharinum</i>	65	F	F-G	F	20	6	6.5	Private	Union at 2m, fluxing seam (M), pruning wounds (L)	Remove	Roadway/ parking
485	Norway Spruce	<i>Picea abies</i>	48.5	F	F	F	10	4	4.85	Private	Lean (VL), pruning wounds (L), lost leader, stem wounds (L), buried root flare	Remove	Parking
486	Silver Maple	<i>Acer saccharinum</i>	66	F-G	F-G	F	15	6	6.6	Private	Union at 2m, pruning wounds (L)	Remove	Roadway/ parking
487	Norway Maple	<i>Acer platanoides</i>	37	F	P-F	P-F	40	7	3.7	Private	Stem wounds (M), asymmetrical crown (H), girdling root (M)	Remove	Parking
488	Norway Maple	<i>Acer platanoides</i>	47.5	F	F	F		5	4.75	Private	Fluxing seam (M), girdling root (L), asymmetrical crown (L), pruning wounds (L)	Remove	Parking (CRZ intrusion)
489	Norway Maple	<i>Acer platanoides</i>	47	F	F	F		6	4.7	Private	V-union at 2m, pruning wounds (L), girdling root (M), exposed roots (L), asymmetrical crown (L), deadwood (L), stem wound (L)	Retain	
490	Norway Maple	<i>Acer platanoides</i>	59	F	F	F-G		6	5.9	Private	Exposed roots (M) with wounds (L), lean (L), crook (H), union at 2m, cavity (M) with seam, pruning wounds (L)	Retain	
491	Norway Maple	<i>Acer platanoides</i>	39.5	F-G	F	F		8	3.95	Private	Asymmetrical crown (L), pruning wounds (L), fluxing seam (L), girdling root (L)	Retain	
492	Blue Spruce	<i>Picea pungens</i>	46	G	F-G	F	10	4	4.6	Private	Pruning wounds (L), exposed roots (L), asymmetrical crown (L)	Retain	
493	Blue Spruce	<i>Picea pungens</i>	35	F	F	P-F	20	3	3.5	Private	Stem wound (L), pruning wounds (L), lean (L)	Retain	
494	Blue Spruce	<i>Picea pungens</i>	30	F	F	P-F	20	3	3	Private	Pruning wounds (L)	Retain	
495	Blue Spruce	<i>Picea pungens</i>	44	F-G	F	F	10	3.5	4.4	Private	Stem wound (L), pruning wounds (L), bowed stem (L), asymmetrical crown (L)	Remove	Parking (CRZ intrusion)
496	Blue Spruce	<i>Picea pungens</i>	28	G	F-G	F	10	2	2.8	Private	Asymmetrical crown (L)	Retain	
497	Blue Spruce	<i>Picea pungens</i>	32	F	P-F	F	10	2.5	3.2	Private	Co-dominant at 1.5m	Retain	
498	Blue Spruce	<i>Picea pungens</i>	28.5	F	F	F	10	2.5	2.85	Private	Asymmetrical crown (M), epicormic branching (L), crook (L), co-dominant in crown	Remove	Parking (CRZ intrusion)

499	Blue Spruce	<i>Picea pungens</i>	32	F-G	F-G	F	10	2.5	3.2	Private	Sweep (L), stem wound (L), asymmetrical crown (L), epicormic branching (L)	Remove	Parking (CRZ intrusion)
500	Blue Spruce	<i>Picea pungens</i>	32	F-G	F	F	10	3	3.2	Private	Pruning wounds (L), asymmetrical crown (L)	Retain	
501	Manitoba Maple	<i>Acer negundo</i>	22, 19	F	P-F	F		6	2.2	City	Union at base, bowed crown (L) east, epicormic branching (M), poor form (M), stem wound (M)	Retain	
502	Blue Spruce	<i>Picea pungens</i>	35.5	G	F-G	F	10	3	3.55	Private	Pruning wounds (L), epicormic branching (L), asymmetrical crown (L)	Retain	
503	Blue Spruce	<i>Picea pungens</i>	42	F-G	F-G	F		2.5	4.2	Private	Pruning wounds (L), possible girdling root, deadwood (L), asymmetrical crown (L)	Remove	Parking (CRZ intrusion)
504	Blue Spruce	<i>Picea pungens</i>	31.5	F-G	F	P-F	15	3.5	3.15	Private	Lost leader, crook (L)	Remove	Parking
505	Blue Spruce	<i>Picea pungens</i>	33	F-G	F-G	F-G		3	3.3	Private	Asymmetrical crown (L), lean (L)	Remove	Parking
506	Blue Spruce	<i>Picea pungens</i>	38.5	F-G	F-G	F-G		3	3.85	Private	Bowed stem (L), asymmetrical crown (L)	Remove	Parking
507	Manitoba Maple	<i>Acer negundo</i>	2-4	F	F	F		2	0.4	Private	Union at base with 4 stems, growing in asphalt	Remove	Parking
508	Manitoba Maple	<i>Acer negundo</i>	15-27	F	F	F		7	2.7	Private	Union at base with 7 stems, growign in asphalt, stem wounds (M), poor form (M)	Remove	Parking
509	Manitoba Maple	<i>Acer negundo</i>	16, 17	F	F	F		4	1.7	Private	Poor form (M), union at base with included bark (M), growing in asphalt, stem wound (M), bowed (M)	Remove	Parking
510	Manitoba Maple	<i>Acer negundo</i>	9, 10.5, 19.5, 19	F	F	F		6	1.95	Private	1 dead stem at baes, union at base, poor form (M), coppice growth (L), growing in asphalt	Remove	Parking
511	Manitoba Maple	<i>Acer negundo</i>	21.5-28.5	F	F	F	15	9	2.85	Private	V-union at base with 6 stems, growing through asphalt, poor form (M)	Remove	Parking
512	Norway Maple	<i>Acer platanoides</i>	44	P-F	P-F	P	40	4	4.4	Private	Seam (M) with rot and fruiting body, pruning wounds (M) with fruiting body, stem wounds (L)	Remove	Parking

513	Norway Maple	<i>Acer platanoides</i>	39	F	F-G	F		4	3.9	Private	Asymmetrical crown (L), seam (L), poor form (L), growth deficit (M) from possible girdling root	Remove	Parking
514	Scots Pine	<i>Pinus sylvestris</i>	23	F	F	F		3	2.3	Private	Stem wound (H), poor form (M)	Remove	Parking
515	Scots Pine	<i>Pinus sylvestris</i>	32	F-G	F-G	G		3	3.2	Private	Stem wound (L), asymmetrical crown (L)	Remove	Parking
516	Scots Pine	<i>Pinus sylvestris</i>	36	F	F	F-G		4	3.6	Private	Union at 2m with cavity (L), stem wounds (M)	Remove	Parking
517	Scots Pine	<i>Pinus sylvestris</i>	27	F-G	F-G	F-G		4.5	2.7	Private	Lean (VL), stem wounds (L), asymmetrical crown (L)	Remove	Parking
518	Scots Pine	<i>Pinus sylvestris</i>	40.5	F-G	F-G	G		3.5	4.05	Private	Asymmetrical crown (L), crook (L)	Remove	Parking
519	Scots Pine	<i>Pinus sylvestris</i>	24	F	F	F-G		4	2.4	Private	Stem wounds (M), crook (L), bowed (L), asymmetrical crown (M)	Remove	Parking
A	Japanese Tree Lilac	<i>Syringa reticulata</i>	8.5	G	G	F	10	1	0.85	Neighbour	Pruning wounds (L), asymmetrical crown (L)	Retain	
B	Norway Maple	<i>Acer platanoides</i>	32	P	P-F	P	60	5	3.2	Neighbour	Canker (H) with rot, pruning wounds (L)	Remove	Roadway/ parking
C	Austrian Pine	<i>Pinus nigra</i>	32.5	G	F-G	G		4	3.25	Neighbour	Sweep (L), pruning wounds (L), asymmetrical crown (L), previously tagged 6	Retain	
D	Austrian Pine	<i>Pinus nigra</i>	35.5	G	F-G	G		4.5	3.55	Neighbour	Asymmetrical crown (L), previously tagged 7	Retain	
E	Austrian Pine	<i>Pinus nigra</i>	31	G	F-G	G		3.5	3.1	Neighbour	Sweep (L), pruning wounds (L), asymmetrical crown (L), previously tagged 9	Retain	
F	Austrian Pine	<i>Pinus nigra</i>	39	F-G	G	G		4.5	3.9	Neighbour	Previously tagged 8, sweep (L), crook (L)	Retain	
G	Austrian Pine	<i>Pinus nigra</i>	37	F	F	F	15	4.5	3.7	Neighbour	Pruning wounds (L), lean (L)	Retain	
H	Siberian Elm	<i>Ulmus pumila</i>	10, 9.5	F	F	F-G		3	1	Neighbour	V-union at 0.2m, with included bark (L), broken branches (L)	Retain	
I	Austrian Pine	<i>Pinus nigra</i>	33	G	G	F-G		4	3.3	Neighbour	Lean (L), pruning wounds (L)	Retain	
J	Siberian Elm	<i>Ulmus pumila</i>	39	F-G	F	F	10	4	3.9	Neighbour	V-union at 3m, asymmetrical crown (L), poor form (L)	Retain	
K	Scots Pine	<i>Pinus sylvestris</i>	23	G	G	G		3	2.3	Neighbour		Retain	

L	Crabapple species	<i>Malus sp.</i>	38	F	F	F		5	3.8	Neighbour	Union at 1.6m, epicormic branching (L), pruning wounds (M), asymmetrical crown (L)	Retain	
M	Crabapple species	<i>Malus sp.</i>	19	F	F	F		3	1.9	Neighbour	2 leaders pruned at 1.2m, poor form (H)	Retain	
N	Crabapple species	<i>Malus sp.</i>	28.5	F	F-G	F		3.5	2.85	Neighbour	Pruning wounds (L) with fruiting body, stem wound (L), epicormic branching (L), poor form (L)	Retain	
O	Scots Pine	<i>Pinus sylvestris</i>	29.5, 39	F	F-G	G		4.5	3.9	Neighbour	Union at 1.4m, stem wound (L), lean (M)	Retain	
P	Scots Pine	<i>Pinus sylvestris</i>	27	F-G	F-G	F-G		3.5	2.7	Neighbour	Lean (L), pruning wounds (L), exposed roots (L), stem wound (L), poor form (L)	Retain	
Q	Norway Maple	<i>Acer platanoides</i>	~14	F	G	G		2	1.4	Private	Included fence (M)	Retain	
R	Green Ash	<i>Fraxinus pennsylvanica</i>	~9	F	G	G		1	0.9	Private	Included fence (M)	Retain	
S	Manitoba Maple	<i>Acer negundo</i>	~8, 6	F-G	F-G	F		2	0.8	Private	Union at base	Retain	
T	Green Ash	<i>Fraxinus pennsylvanica</i>	~13	G	G	F		1.5	1.3	Neighbour	Grapevine competition (M)	Retain	
U	Manitoba Maple	<i>Acer negundo</i>	~12	F-G	F	F		2	1.2	Neighbour	Poor form (L)	Retain	
V	Norway Maple	<i>Acer platanoides</i>	~8, 7.5	F	F-G	F		2	0.8	Private	Included fence (M)	Retain	
W	Norway Maple	<i>Acer platanoides</i>	~12, 11	F	F-G	F-G		2	1.2	Private	Union at base, included fence (M)	Retain	
X	White Elm	<i>Ulmus americana</i>	~8	F	F-G	F-G		1.5	0.8	Private	Included fence (M), bowed crown (L), grapevine competition (M)	Retain	
Y	Siberian Elm	<i>Ulmus pumila</i>	~8	F	F-G	F-G		1.5	0.8	Private	Included fence (M), v-union at 1.3m, grapevine competition (M)	Retain	
Z	Norway Maple	<i>Acer platanoides</i>	~5, 4, 3	F	F	F		1	0.5	Neighbour	Union at base, included fence (M)	Retain	
AA	Norway Maple	<i>Acer platanoides</i>	~5, 4, 3	F	F	F		1	0.5	Neighbour	Union at base, included fence (M)	Retain	
AB	Green Ash	<i>Fraxinus pennsylvanica</i>	~12	F-G	F-G	F-G		3	1.2	Neighbour	Asymmetrical crown (L), lean (L), included fence (L)	Retain	
AC	Norway Maple	<i>Acer platanoides</i>	~8, 10	F	F	F-G		2	1	Private	Included fence (M), union at base	Retain	
AD	Norway Maple	<i>Acer platanoides</i>	~10	F-G	F-G	F-G		2	1	Neighbour	Included fence (M)	Retain	
AE	Green Ash	<i>Fraxinus pennsylvanica</i>	~8	G	G	F-G		1	0.8	Private		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)
CDB	Crown Die Back	(%)
DL	Dripline	(metres)
CRZ	Critical Root Zone	(metres)
~ = estimate; (VL) = very light; (L) = light; (M) = moderate; (H) = heavy		