

prepared by

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Tree Inventory and Preservation Plan Report West of Bruce Street and Sunset Boulevard Port Elgin, ON

Prepared for Tim Welch Consulting Inc.
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Cambridge, ON
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Kuntz Forestry Consulting Inc. P5190

Introduction

Kuntz Forestry Consulting Inc. was retained by Tim Welch Consulting Inc. to complete a Tree Inventory and Preservation Plan Report as part of a development application for the property located west of the intersection between Bruce Street and Sunset Boulevard in Port Elgin, Ontario. The subject property is situated within a residential area.

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

- Prepare an inventory of private tree resources measuring 10cm diameter at breast height (DBH) and greater on and within six metres of the subject property and public tree resources of all sizes within the adjacent 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.

The results of the evaluation are provided below.

Methodology

Private trees measuring 10cm DBH and greater on and within six metres of the subject property and public trees of all sizes within the adjacent road right-of-way were included in the inventory. Dead trees were excluded from inventory efforts. Trees were located using a backpack GPS unit (Trimble R2® GNSS receiver) accurate to ± one metre. Trees included in the inventory were identified and tagged as Trees 121 – 200, 301 – 308, and 475 – 500.

Tree resources were assessed utilizing the following parameters:

Tree # – Number assigned to trees that corresponds to Figure 1.
Species – Common and botanical names provided in the inventory table.
DBH – Diameter (cm) at breast height, measured at 1.4m above the ground.
Condition – Condition of tree considering trunk integrity (TI), crown structure (CS) and crown vigor (CV). Condition ratings include poor (P), fair (F), and good (G).
Crown Die-Back – Percentage of dead branches within the crown.
Dripline – Crown radius (m).
Comments – Any other relevant tree condition information.

The dripline distance of a tree was primarily used in the preservation planning exercise to determine the tree's preservation potential. Where development is proposed within a tree's dripline, there is the potential to damage tree roots and tree removal may be required. The dripline distance was estimated for the trees included in the inventory and rounded to the nearest metre.

See Figure 1 for the locations of the tree resources, Table 1 for the results of the inventory, and Appendix A for photographs of the tree resources.

Existing Site Conditions

The subject property is occupied by a treed hedgerow feature and vacant land. Tree resources exist in the form of naturally occurring trees. Refer to Figure 1 for the existing site conditions.

Individual Tree Resources

The field assessments for the tree inventory were conducted on 28 August 2026. The tree inventory documented 114 trees on and within six metres of the subject property. Tree resources are composed of Black Walnut (*Juglans nigra*), Cherry species (*Prunus sp.*), Eastern Cottonwood (*Populus deltoides*), Manitoba Maple (*Acer negundo*), Norway Maple (*Acer platanoides*), White Ash (*Fraxinus americana*), and White Mulberry (*Morus alba*).

See Figure 1 for the locations of the tree resources, Table 1 for the results of the inventory, and Appendix A for photographs of the tree resources.

Proposed Development

The proposed development involves the construction of nine residential buildings with associated surface parking areas, laneways, walkways, and amenity areas. A stormwater drainage pit and a berm are proposed within the north portion of the subject property. The future extension of Bruce Street is considered by the proposed development as two vehicular accesses are proposed from the future road extension. In the absence of detailed civil plans, it is presumed that regrading within the boundaries of the subject property will be required to support the proposed development. Refer to Figure 1 for the proposed development plans.

Discussion

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

Development Impacts / Tree Removals

The removal of 86 trees, identified as Trees 121, 125, 128, 131 – 133, 136, 139, 144, 145, 150, 154, 156 – 158, 161, 164 – 176, 178 – 200, 301 – 308, and 475 – 500, will be required to accommodate the proposed development. These trees either conflict directly with the proposed development or the level of injury that would result from works associated with the proposed development would be at an intolerable level such that the trees would not be expected to overcome the injury. The removal of three additional trees, identified as Trees 129, 149, and 177, is recommended regardless of the proposed development due to their hazardous condition. Refer to Figure 1 for the locations of the tree resources identified for removal.

Trees 121, 125, 128, 129, 139, 144, 145, 149, 154, 157, 164, 168, and 308 are situated fully or partially on neighbouring properties and as such, written permission from the respective

neighbouring property owners will be required prior to the removal of these trees. All other trees identified for removal are located fully within the boundaries of the subject property.

It should be noted that tree preservation recommendations have been made in the absence of detailed civil plans. As such, the tree preservation recommendations may be subject to change pending the review of detailed civil plans.

Tree Preservation

The preservation of the remaining 25 trees, including Trees 122 – 124, 126, 127, 130, 134, 135, 137, 138, 140 – 143, 146 – 148, 151 – 153, 155, 159, 160, 162, and 163, will be possible with the use of appropriate tree protection measures, as indicated on Figure 1. Tree protection measures must be implemented prior to the commencement of works associated with the proposed development to ensure tree resources designated for preservation are not impacted. Refer to Figure 1 for the locations of the tree resources identified for preservation, the locations of the prescribed tree preservation fencing, the Tree Protection Plan Notes, and the tree preservation fence detail.

The preservation potential of a tree was primarily assessed based on the dripline distance of the tree. Where minor encroachment is required within the dripline of a tree, the preservation potential of the tree was further assessed using the tree's minimum tree protection zone (mTPZ) distance. Minimum tree protection zone distances are based on a tree's trunk diameter at breast height (DBH), as shown in Table A below.

Table A. Minimum Tree Protection Zone Distances by Tree's Trunk DBH

Diameter at Breast Height (cm)	Minimum Tree Protection Zone (m)
<10	1.2
10 – 29	1.8
30 – 40	2.4
41 – 50	3.0
51 – 60	3.6
61 – 70	4.2
71 – 80	4.8
81 – 90	5.4
91 – 100	6.0
101 – 110	6.6
111 – 120	7.2
121 – 130	7.8
131 – 140	8.4

Trees 127, 135, and 159 are afforded at least 1.8m of protection. Trees 123 and 151 are afforded at least 2.4m of protection. Tree 122 is afforded at least 3.0m of protection. These levels of protection are expected to be sufficient to protect these trees throughout the proposed development.

Where the dripline and the mTPZ of a tree cannot be fully respected, including for Trees 124, 126, 134, 137, 140, and 153, special mitigation measures have been prescribed and are outlined below.

Trees 124, 126, 134, 137, 140, and 153

Encroachment into the mTPZs of Trees 124, 126, 134, 137, 140, and 153 will be required to accommodate the anticipated regrading required to support the proposed development. Tree preservation fencing has been prescribed at the anticipated limit of encroachment within the mTPZs of these trees. If the following mitigation measures are employed, long-term adverse impacts are not anticipated for these trees.

1. Prior to the commencement of the proposed works, tree preservation fencing should be installed as shown on Figure 1 and maintained throughout the proposed works.
2. Where grades are to be reduced within the mTPZs of these trees:
    a. The grade reductions should occur using small machinery (i.e. a skidsteer or miniature excavator) and under the supervision of a Certified Arborist.
    b. Any roots damaged during the grade reduction process should be pruned by a Certified Arborist in accordance with Good Arboricultural Standards.
3. Where grades are to be raised within the mTPZs of these trees:
    a. Clean fill should be added as minimally as required.
4. Any branches that require pruning to accommodate the proposed works should be pruned by a Certified Arborist or other tree professional in accordance with Good Arboricultural Standards.

Trees 124, 126, 134, 137, 140, and 153 are situated on a neighbouring property and as such, it is recommended that the respective neighbouring property owner is engaged prior to the commencement of works associated with the proposed development to discuss the injuries proposed for their trees.

Should erosion and sediment control (ESC) fencing be installed in the same location as the prescribed tree preservation fencing, or in a location that provides more protection to the trees than what would be achieved by the prescribed tree preservation fencing, the ESC fencing may serve in place of dedicated tree preservation fencing, pending approval by the Town of Saugeen Shores.

Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by Tim Welch Consulting Inc. to complete a Tree Inventory and Preservation Plan Report as part of a development application for the property located west of the intersection between Bruce Street and Sunset Boulevard in Port Elgin, Ontario. A tree inventory was conducted and reviewed in the context of the proposed development plans.

The findings of the study indicate a total of 114 trees on and within six metres of the subject property and within the adjacent road right-of-way. The removal of 86 trees will be required to accommodate the proposed development. The removal of three additional trees is recommended regardless of the proposed development due to their hazardous condition. The remaining 25 trees can be preserved provided appropriate tree protection measures are installed prior to the commencement of the proposed works.

The following recommendations are suggested to minimize impacts to trees identified for preservation. Refer to Figure 1 for the locations of the prescribed tree preservation fencing, the 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 Protection Plan Notes and the tree preservation fence 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 have been prescribed for select trees, as outlined in the *Tree Preservation* section of this report.

- Branches 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 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,

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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 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. 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 development plans that have been provided at the time of reporting. These recommendations may no longer be applicable should changes be made to the development 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: West of Bruce Street and Sunset Boulevard **Date: 28 August 2026** **Surveyor: KNH**

Tree #	Common Name	Scientific Name	DBH	Calculated DBH (Multistem)	TI	CS	CV	CDB	DL	Comments	Ownership	Action
121	Norway Maple	*Acer platanoides*	41.5	-	FG	F	FG		6	Lean (L), asymmetrical crown (M)	Neighbour	Remove
122	Norway Maple	*Acer platanoides*	44.5	-	FG	F	F	10	6	Lean (L), asymmetrical crown (M)	Neighbour	Preserve
123	Norway Maple	*Acer platanoides*	26, 15	30	F	F	F	10	4	V-union at base with included bark, lean (L)	Neighbour	Preserve
124	White Mulberry	*Morus alba*	14	-	PF	F	F	20	3	Bow (L), vine competition (M), crook (H)	Neighbour	Preserve (Injure)
125	Eastern Cottonwood	*Populus deltoides*	33	-	F	F	F	20	4	Sweep (M)	Neighbour	Remove
126	Norway Maple	*Acer platanoides*	31, 20	37	F	F	FG		5	V-union at base with included bark, asymmetrical crown (M)	Neighbour	Preserve (Injure)
127	Norway Maple	*Acer platanoides*	23, 17	28.5	PF	F	PF	20	4	V-union at base with included bark, decay column (M), asymmetrical crown (M)	Neighbour	Preserve
128	Norway Maple	*Acer platanoides*	36, 27, 26	52	F	F	FG		5	V-union at base with included bark, asymmetrical crown (L), lean (L)	Neighbour	Remove
129	Eastern Cottonwood	*Populus deltoides*	~40	-	P	P	P	80	3	Cavity (H), only epicormic branching (H) alive, moribund, **hazard**	Subject / Neighbour	Remove (Condition)
130	Black Walnut	*Juglans nigra*	14.5	-	F	F	F	10	3	Sweep (M)	Neighbour	Preserve
131	Black Walnut	*Juglans nigra*	15	-	F	G	G		3	Crook (L), bow (L)	Subject	Remove
132	Eastern Cottonwood	*Populus deltoides*	23	-	FG	PF	PF	40	3	Sweep (L), epicormic branching (M)	Subject	Remove
133	Eastern Cottonwood	*Populus deltoides*	27	-	FG	F	F	30	3	Sweep (L), epicormic branching (M)	Subject	Remove
134	Manitoba Maple	*Acer negundo*	11	-	FG	F	F	10	3	Crook (L), epicormic branching (L)	Neighbour	Preserve (Injure)
135	Manitoba Maple	*Acer negundo*	17	-	F	F	F	30	3	Lean (M), epicormic branching (M)	Neighbour	Preserve
136	Eastern Cottonwood	*Populus deltoides*	30	-	PF	F	PF	30	3	Decay (M), epicormic branching (M)	Subject	Remove
137	Black Walnut	*Juglans nigra*	27	-	G	G	G		4	Decay (M), epicormic branching (M)	Neighbour	Preserve (Injure)
138	Black Walnut	*Juglans nigra*	16	-	G	G	G		3		Neighbour	Preserve
139	Eastern Cottonwood	*Populus deltoides*	46, 33	56.5	PF	PF	F	30	8	V-union at base with included bark, sweep (H), epicormic branching (M), broken branches (M), vine competition (M)	Neighbour	Remove
140	White Mulberry	*Morus alba*	11.5	-	F	F	F	20	3	Crook (L), epicormic branching (M), decay (L), vine competition (M)	Neighbour	Preserve (Injure)
141	Manitoba Maple	*Acer negundo*	15	-	G	G	G		3		Neighbour	Preserve
142	White Mulberry	*Morus alba*	14	-	G	G	G		3		Neighbour	Preserve
143	Eastern Cottonwood	*Populus deltoides*	23	-	PF	PF	PF	40	3	Lean (L), cavity (H), epicormic branching (M)	Neighbour	Preserve
144	Eastern Cottonwood	*Populus deltoides*	45	-	G	F	F	20	5		Neighbour	Remove

Tree #	Common Name	Scientific Name	DBH	Calculated DBH (Multistem)	TI	CS	CV	CDB	DL	Comments	Ownership	Action
145	Manitoba Maple	*Acer negundo*	23, ~12	~26	P	F	F	30	5	Lean (H), epicormic branching (M), v-union at base with included bark	Subject / Neighbour	Remove
146	White Ash	*Fraxinus americana*	11.5	-	P	P	P	90	1	Emerald Ash Borer (H), only epicormic branching (L) alive, moribund	Neighbour	Preserve
147	Manitoba Maple	*Acer negundo*	11, 8.5	14	PF	F	F	20	3	V-union at base with included bark, epicormic branching (M), decay (L)	Neighbour	Preserve
148	Manitoba Maple	*Acer negundo*	11, 11.5, 8	18	PF	F	F	20	2	V-union at base with included bark, epicormic branching (M), decay (L)	Neighbour	Preserve
149	Eastern Cottonwood	*Populus deltoides*	~34	-	P	P	P	70	5	Union at 1m with all stems failed but one, decay (H), lean (L), **hazard**	Subject / Neighbour	Remove (Condition)
150	Eastern Cottonwood	*Populus deltoides*	39	-	FG	F	F	20	5	Sweep (L)	Subject	Remove
151	Eastern Cottonwood	*Populus deltoides*	34	-	FG	F	F	20	5	Sweep (L)	Neighbour	Preserve
152	White Ash	*Fraxinus americana*	~22	-	P	P	P	90	3	Lean (H), Emerald Ash Borer (H), only epicormic branching (L) alive, poor form (H), moribund	Neighbour	Preserve
153	Manitoba Maple	*Acer negundo*	18, 10	20.5	F	F	F	10	3	V-union at base with included bark, epicormic branching (L)	Neighbour	Preserve (Injure)
154	Eastern Cottonwood	*Populus deltoides*	29	-	FG	F	F	30	4	Sweep (L)	Subject / Neighbour	Remove
155	Manitoba Maple	*Acer negundo*	17.5	-	FG	F	F	20	4	Bow (L), epicormic branching (M)	Neighbour	Preserve
156	Eastern Cottonwood	*Populus deltoides*	39	-	PF	F	PF	30	5	Sweep (L), cavity (H)	Subject	Remove
157	Manitoba Maple	*Acer negundo*	~22	-	PF	F	F	20	5	Lean (H), epicormic branching (M)	Neighbour	Remove
158	Black Walnut	*Juglans nigra*	34.5	-	G	F	FG	10	6	Asymmetrical crown (M)	Subject	Remove
159	Black Walnut	*Juglans nigra*	18	-	F	F	F	20	3	Crook (M), vine competition (M)	Neighbour	Preserve
160	Eastern Cottonwood	*Populus deltoides*	40	-	FG	F	F	20	5	Lean (L)	Neighbour	Preserve
161	Eastern Cottonwood	*Populus deltoides*	34	-	F	PF	PF	50	5	Lean (L), v-union at 0.5m with included bark and one stem dead and failed, decay (M)	Subject	Remove
162	Eastern Cottonwood	*Populus deltoides*	42.5	-	PF	F	PF	20	5	Cavity (H)	Neighbour	Preserve
163	Eastern Cottonwood	*Populus deltoides*	42	-	F	F	F	20	5	Cavity (L), vine competition (M)	Neighbour	Preserve
164	Black Walnut	*Juglans nigra*	28	-	G	G	G		5		Neighbour	Remove
165	Eastern Cottonwood	*Populus deltoides*	33, 31.5	45.5	F	F	F	10	6	V-union at 1m with included bark	Subject	Remove
166	Eastern Cottonwood	*Populus deltoides*	32	-	PF	F	F	20	6	Lean (M), cavity (M)	Subject	Remove
167	Manitoba Maple	*Acer negundo*	32	-	PF	PF	PF	30	6	Lean (M), broken branches (M), epicormic branching (M), vine competition (M)	Subject	Remove
168	Black Walnut	*Juglans nigra*	13	-	F	G	F		3	Crook (L), cavity (L)	Neighbour	Remove
169	Eastern Cottonwood	*Populus deltoides*	36.5	-	FG	G	G		5	Lean (L)	Subject	Remove

Tree #	Common Name	Scientific Name	DBH	Calculated DBH (Multistem)	TI	CS	CV	CDB	DL	Comments	Ownership	Action
170	Eastern Cottonwood	*Populus deltoides*	25	-	FG	F	F	20	5	Lean (L), vine competition (M)	Subject	Remove
171	Eastern Cottonwood	*Populus deltoides*	28	-	FG	F	F	20	5	Lean (L)	Subject	Remove
172	Eastern Cottonwood	*Populus deltoides*	13	-	P	P	P	80	5	Decay (H), top-down die-back, moribund	Subject	Remove
173	Eastern Cottonwood	*Populus deltoides*	51	-	G	FG	FG	10	6		Subject	Remove
174	Black Walnut	*Juglans nigra*	39	-	FG	F	F	10	6	Asymmetrical crown (M), vine competition (M), canker (L)	Subject	Remove
175	Eastern Cottonwood	*Populus deltoides*	29	-	FG	F	F	20	5	Lean (L)	Subject	Remove
176	Eastern Cottonwood	*Populus deltoides*	~16	-	PF	P	PF	60	4	Lean (H), poor form (H), vine competition (H)	Subject	Remove
177	Eastern Cottonwood	*Populus deltoides*	~18	-	P	P	P	80	4	Bow (M), vertical crack, cavity (M), **hazard**	Subject	Remove (Condition)
178	Eastern Cottonwood	*Populus deltoides*	37	-	FG	F	F	20	5	Lean (L)	Subject	Remove
179	Eastern Cottonwood	*Populus deltoides*	23	-	FG	F	F	20	4	Lean (L)	Subject	Remove
180	Black Walnut	*Juglans nigra*	22	-	G	FG	FG	10	4		Subject	Remove
181	Black Walnut	*Juglans nigra*	13	-	FG	G	G		3	Crook (L)	Subject	Remove
182	Eastern Cottonwood	*Populus deltoides*	46.5	-	FG	F	F	30	6	Lean (L)	Subject	Remove
183	Eastern Cottonwood	*Populus deltoides*	53.5	-	G	F	F	20	6		Subject	Remove
184	Eastern Cottonwood	*Populus deltoides*	33	-	FG	F	F	20	6	Bow (L), vine competition (M)	Subject	Remove
185	Eastern Cottonwood	*Populus deltoides*	24.5	-	G	PF	PF	40	3		Subject	Remove
186	Eastern Cottonwood	*Populus deltoides*	20	-	FG	F	F	30	4	Bow (L), epicormic branching (M)	Subject	Remove
187	Eastern Cottonwood	*Populus deltoides*	19	-	F	F	F	30	3	Sweep (M)	Subject	Remove
188	Eastern Cottonwood	*Populus deltoides*	31	-	G	F	F	30	4		Subject	Remove
189	Eastern Cottonwood	*Populus deltoides*	20	-	FG	F	F	30	3	Sweep (L)	Subject	Remove
190	Eastern Cottonwood	*Populus deltoides*	26	-	FG	PF	PF	40	5	Lean (L)	Subject	Remove
191	Eastern Cottonwood	*Populus deltoides*	42	-	G	F	F	30	5		Subject	Remove
192	Eastern Cottonwood	*Populus deltoides*	12	-	P	P	P	80	2	Vine competition (H), top lost at 3m, moribund	Subject	Remove
193	Eastern Cottonwood	*Populus deltoides*	25	-	FG	F	F	20	4	Sweep (L)	Subject	Remove
194	Eastern Cottonwood	*Populus deltoides*	~30	-	PF	F	F	30	5	Sweep (H), vine competition (M)	Subject	Remove
195	Eastern Cottonwood	*Populus deltoides*	39.5	-	FG	F	F	20	6	Sweep (L), vine competition (M)	Subject	Remove
196	Eastern Cottonwood	*Populus deltoides*	16	-	P	P	P	90	1	Top-down die-back, vine competition (H), moribund	Subject	Remove

Tree #	Common Name	Scientific Name	DBH	Calculated DBH (Multistem)	TI	CS	CV	CDB	DL	Comments	Ownership	Action
197	Eastern Cottonwood	*Populus deltoides*	35	-	FG	F	F	20	5	Sweep (L), vine competition (L)	Subject	Remove
198	Eastern Cottonwood	*Populus deltoides*	~36	-	FG	F	F	20	5	Lean (L), vine competition (M)	Subject	Remove
199	Eastern Cottonwood	*Populus deltoides*	18	-	FG	F	F	20	5	Sweep (L), vine competition (M)	Subject	Remove
200	Cherry species	*Prunus sp.*	15.5	-	PF	F	F	20	3	Stem wounds (M), lean (M)	Subject	Remove
301	Eastern Cottonwood	*Populus deltoides*	18	-	PF	PF	PF	50	3	Top-down die-back	Subject	Remove
302	Black Walnut	*Juglans nigra*	11	-	G	G	G		3		Subject	Remove
303	Eastern Cottonwood	*Populus deltoides*	21, 12	24	F	F	F	20	3	V-union at base with included bark	Subject	Remove
304	Eastern Cottonwood	*Populus deltoides*	46	-	G	F	F	20	6		Subject	Remove
305	Eastern Cottonwood	*Populus deltoides*	14	-	FG	FG	FG	10	4	Bow (L)	Subject	Remove
306	Eastern Cottonwood	*Populus deltoides*	27	-	FG	F	F	20	5	Lean (L), asymmetrical crown (M)	Subject	Remove
307	Eastern Cottonwood	*Populus deltoides*	63	-	F	F	F	20	8	V-union at 2m with included bark	Subject	Remove
308	Eastern Cottonwood	*Populus deltoides*	~80	-	G	FG	F	10	9		Neighbour	Remove
475	Black Walnut	*Juglans nigra*	24	-	FG	G	G		5	Crook (L)	Subject	Remove
476	Eastern Cottonwood	*Populus deltoides*	21	-	F	F	F	20	4	Sweep (M)	Subject	Remove
477	White Ash	*Fraxinus americana*	14	-	FG	F	F	10	3	Emerald Ash Borer (L), asymmetrical crown (M)	Subject	Remove
478	Eastern Cottonwood	*Populus deltoides*	20	-	FG	PF	PF	40	3	Sweep (L), epicormic branching (M)	Subject	Remove
479	Eastern Cottonwood	*Populus deltoides*	17	-	FG	F	F	20	3	Lean (L), vine competition (M)	Subject	Remove
480	Eastern Cottonwood	*Populus deltoides*	15	-	FG	F	F	20	3	Lean (L), vine competition (M)	Subject	Remove
481	Eastern Cottonwood	*Populus deltoides*	27, 18	32.5	F	PF	PF	50	4	V-union at 1m with included bark, epicormic branching (M)	Subject	Remove
482	Eastern Cottonwood	*Populus deltoides*	30	-	G	F	F	30	4		Subject	Remove
483	Eastern Cottonwood	*Populus deltoides*	20	-	FG	F	F	30	4	Sweep (L)	Subject	Remove
484	Eastern Cottonwood	*Populus deltoides*	27	-	FG	F	F	30	4	Lean (L)	Subject	Remove
485	Eastern Cottonwood	*Populus deltoides*	13	-	FG	F	F	20	4	Lean (L), vine competition (M)	Subject	Remove
486	Eastern Cottonwood	*Populus deltoides*	20.5	-	G	F	F	20	3		Subject	Remove
487	Eastern Cottonwood	*Populus deltoides*	12.5	-	P	P	P	80	2	Top-down die-back, decay (M), moribund	Subject	Remove
488	Eastern Cottonwood	*Populus deltoides*	32	-	G	F	F	30	4		Subject	Remove
489	Eastern Cottonwood	*Populus deltoides*	20	-	FG	F	F	20	3	Lean (L)	Subject	Remove

Tree #	Common Name	Scientific Name	DBH	Calculated DBH (Multistem)	TI	CS	CV	CDB	DL	Comments	Ownership	Action
490	Eastern Cottonwood	*Populus deltoides*	26	-	FG	F	F	20	3	Lean (L)	Subject	Remove
491	Eastern Cottonwood	*Populus deltoides*	21	-	G	F	F	20	4		Subject	Remove
492	Eastern Cottonwood	*Populus deltoides*	27	-	G	F	F	20	4		Subject	Remove
493	Eastern Cottonwood	*Populus deltoides*	14	-	P	P	P	60	2	Top-down die-back, lean (L)	Subject	Remove
494	Eastern Cottonwood	*Populus deltoides*	~80	-	G	F	F	20	8	Broken branches (L)	Subject	Remove
495	Eastern Cottonwood	*Populus deltoides*	27.5	-	FG	PF	PF	40	4	Lean (L)	Subject	Remove
496	Eastern Cottonwood	*Populus deltoides*	13	-	F	PF	PF	30	3	Decay (L), epicormic branching (M)	Subject	Remove
497	Eastern Cottonwood	*Populus deltoides*	25	-	PF	PF	PF	30	4	Decay (M), lean (L), epicormic branching (M)	Subject	Remove
498	Eastern Cottonwood	*Populus deltoides*	25	-	PF	PF	PF	40	4	Decay (M), lean (L), epicormic branching (M), top-down die-back	Subject	Remove
499	Eastern Cottonwood	*Populus deltoides*	11	-	F	F	F	30	2	Sweep (M)	Subject	Remove
500	Eastern Cottonwood	*Populus deltoides*	23	-	FG	F	F	30	4	Lean (L)	Subject	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 (Radius)	*(m)*
~ = estimate; (L) = light; (M) = moderate; (H) = heavy; G = good; F = fair; P = poor		

Appendix A. Site Photographs



Image 1. Tree 121



Image 2. Tree 122



Image 3. Tree 123



Image 4. Tree 128



Image 5. Tree 129



Image 6. Tree 132



Image 7. Tree 133



Image 8. Tree 134



Image 9. Tree 136



Image 10. Tree 137



Image 11. Tree 138



Image 12. Tree 140



Image 13. Tree 141



Image 14. Tree 142



Image 15. Tree 143



Image 16. Tree 145



Image 17. Tree 146



Image 18. Tree 147

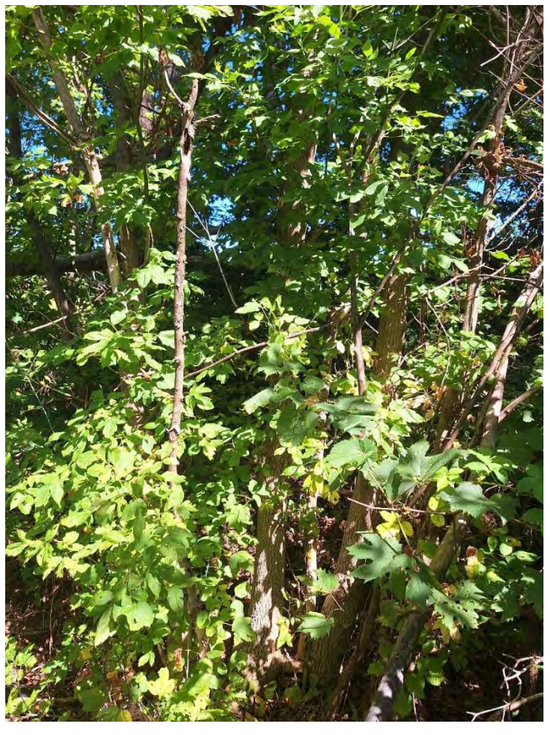


Image 19. Tree 148



Image 20. Tree 149



Image 21. Tree 150



Image 22. Tree 151



Image 23. Tree 152



Image 24. Tree 153



Image 25. Tree 154



Image 26. Tree 155



Image 27. Tree 157



Image 28. Tree 158



Image 29. Tree 159

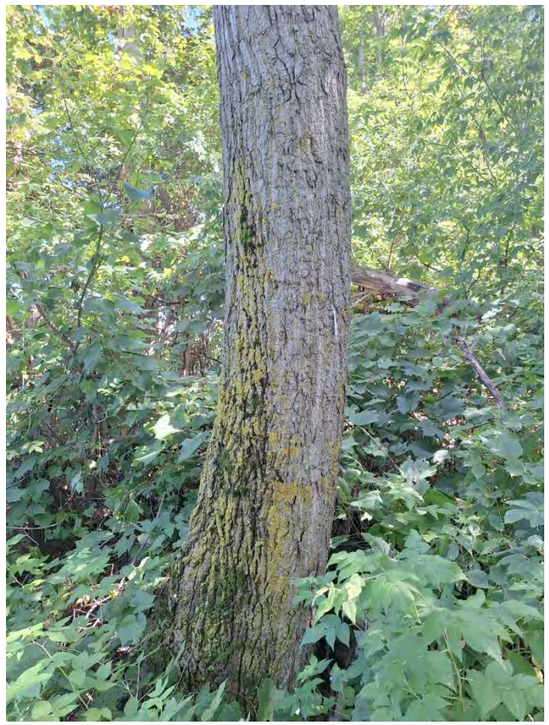


Image 30. Tree 160



Image 31. Tree 161



Image 32. Tree 163



Image 33. Tree 166

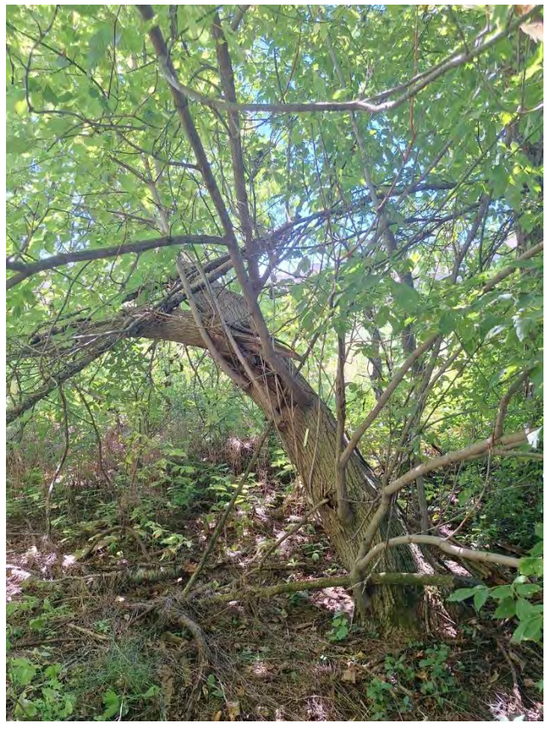


Image 34. Tree 167



Image 35. Tree 168



Image 36. Tree 169



Image 37. Tree 170



Image 38. Trees 171 and 172



Image 39. Tree 175



Image 40. Tree 177



Image 41. Tree 178



Image 42. Tree 180



Image 43. Trees 181 and 182



Image 44. Tree 183



Image 45. Tree 184



Image 46. Tree 185



Image 47. Tree 186



Image 48. Trees 191 – 193



Image 49. Tree 194



Image 50. Tree 195



Image 51. Tree 196



Image 52. Tree 198



Image 53. Tree 199



Image 54. Tree 200



Image 55. Tree 301



Image 56. Tree 302



Image 57. Tree 303



Image 58. Trees 304 and 305



Image 59. Trees 306 and 307

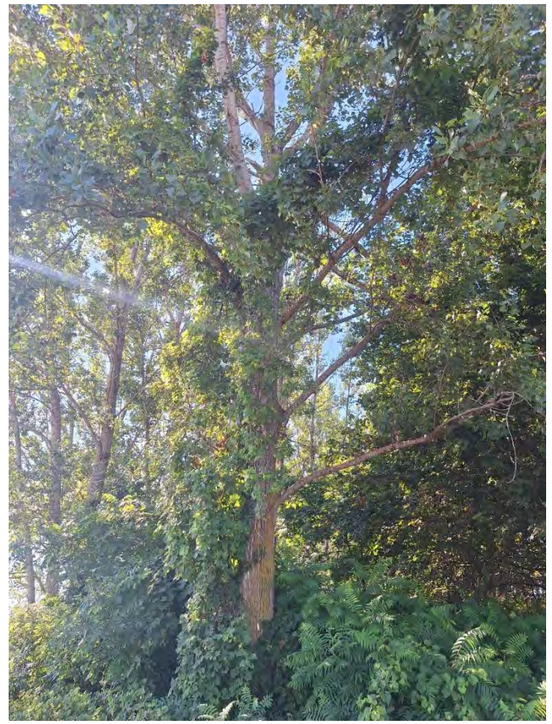


Image 60. Tree 308



Image 61. Tree 475



Image 62. Tree 476



Image 63. Tree 477



Image 64. Tree 478



Image 65. Tree 479

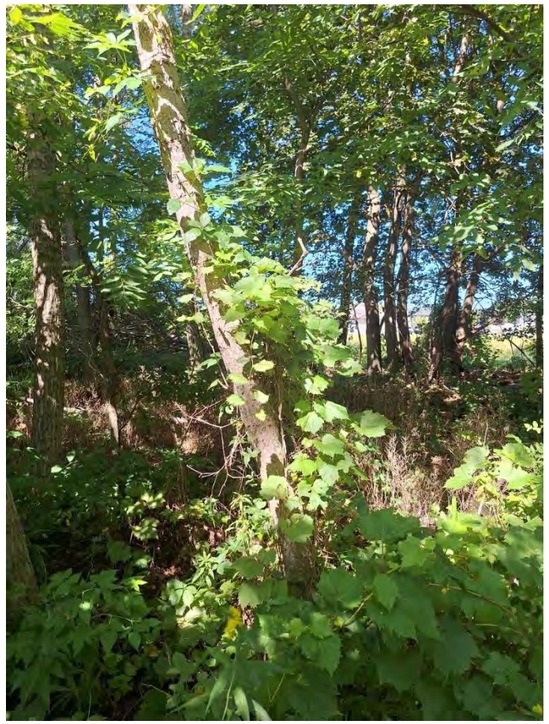


Image 66. Tree 480



Image 67. Tree 481



Image 68. Trees 483 and 484



Image 69. Tree 485



Image 70. Tree 486



Image 71. Trees 489 and 490



Image 72. Trees 491 and 492



Image 73. Tree 493

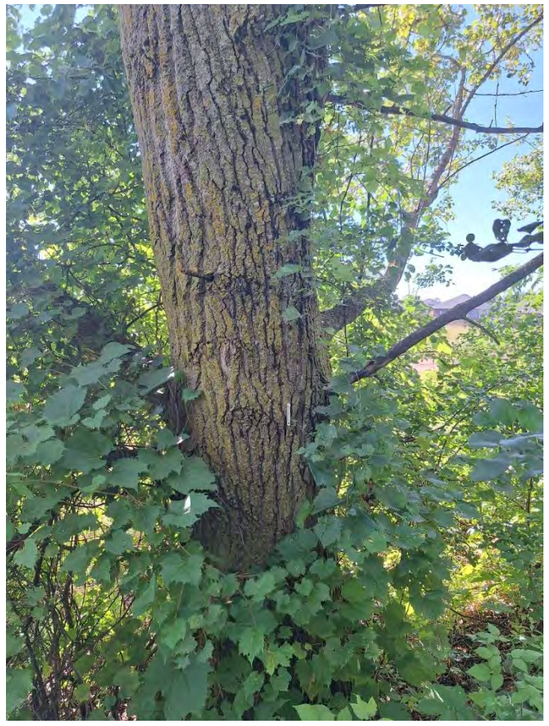


Image 74. Tree 494



Image 75. Tree 495

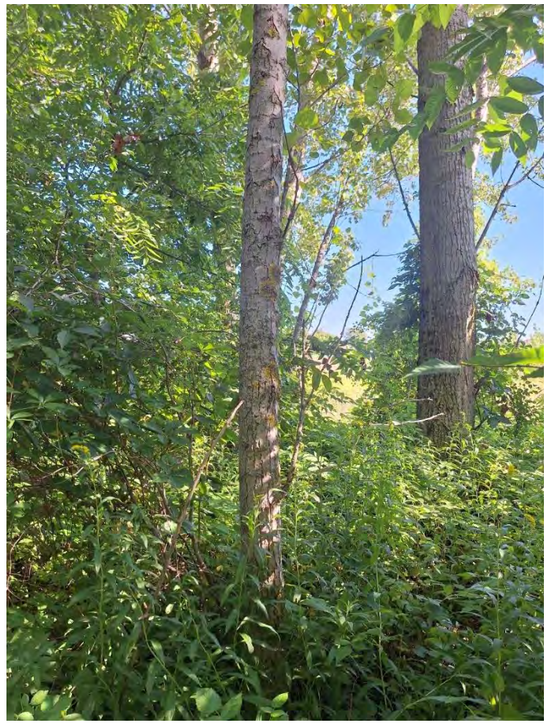


Image 76. Tree 496



Image 77. Tree 497



Image 78. Tree 499



Image 79. Tree 500