

**Tree Inventory and Preservation Plan Report  
5868 County Road 65  
Port Hope, Ontario**

prepared for

**Hillstreet Developments Ltd.  
524 Rosebank Road  
Pickering, ON L1W 2W5**

prepared by



---

146 Lakeshore Road West  
PO Box 1267 Lakeshore W PO  
Oakville ON L6K 0B3  
t: 289.837.1871  
e: [consult@kuntzforestry.ca](mailto:consult@kuntzforestry.ca)

28 March 2023

KUNTZ FORESTRY CONSULTING INC Project P3360

## Introduction

Kuntz Forestry Consulting Inc. was retained by Hillstreet Developments Ltd. to complete a Tree Inventory and Preservation Plan report as part of a development application for the property located at 5868 County Road 65 in Port Hope. The property is located southwest of County Road 65, within a rural/agricultural area.

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

- Prepare inventory of the individual tree resources over 10cm diameter at breast height (DBH) and trees of all diameters within the road right-of-way on and within six metres of the disturbance limit,
- 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 16 and 24 March 2023. Tree resources were located using KFCI's Trimble GPS unit, accurate to ~30cm. Individual trees, and trees generally within 6m along the peripheries of the expected disturbance areas, with the potential to be impacted by the work, were tagged using the numbers 1-255. Individual trees that could not be tagged were identified as Trees A-E. Two Butternut trees were identified as Bn1 and Bn2.

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 (Table 1).

**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).

**Crown width** – extent of crown (m).

**Comments** - additional relevant detail. Defects are rated as light (L), moderate (M), or heavy (H).

Polygons (groups of trees, especially forested units) were identified as P1-P13. Descriptions for P1, P9, P12, and P13 can be found within Table 1. Tree polygons P2, P3, P5, P6, P10, and P11 were inventoried by 100% tally, counting all trees within these units and categorizing them by species, size category, and condition [AGS (Acceptable Growing Stock) and UGS (Unacceptable Growing Stock)].

P4, P7, and P8 (larger forested units) were assessed by utilizing fixed area sampling plots (3-4 plots within each unit) and counting all trees within the plots and categorizing them by species, size category, and condition [AGS (Acceptable Growing Stock) and UGS (Unacceptable Growing Stock)].

Tree locations are shown on Figure 1. See Tables 1 and 2 for the results of the inventory.

## Existing Site Conditions

The subject property is currently occupied by agricultural lands, natural heritage features, and a homestead. A larger natural heritage feature exists to the west of the site, and this feature is contiguous with the natural heritage features that exist on-site. Tree resources exist in the form of natural feature trees, individual landscape trees, and hedgerow features. Refer to Figure 1 for the existing conditions.

## Tree Resources

The inventory documented 260 individual trees and 13 tree polygons on and within six metres of the subject area. Refer to Tables 1 and 2 for the full tree inventory and Figure 1 for the locations of trees reported in the tree inventory.

Tree resources were comprised of Manitoba Maple (*Acer negundo*), Black Walnut (*Juglans nigra*), Apple species (*Malus sp.*), Trembling Aspen (*Populus tremuloides*), Black Cherry (*Prunus serotina*), Cherry species (*Prunus sp.*), White Pine (*Pinus strobus*), Eastern White Cedar (*Thuja occidentalis*), Sugar Maple (*Acer saccharum*), Silver Maple (*Acer saccharinum*), Red Maple (*Acer rubrum*), Norway Maple (*Acer platanoides*), White Birch (*Betula papyrifera*), White Elm (*Ulmus americana*), Green Ash (*Fraxinus pennsylvanica*), Ironwood (*Ostrya virginiana*), Basswood (*Tilia americana*), American Beech (*Fagus grandifolia*), Red Oak (*Quercus rubra*), Eastern Hemlock (*Tsuga canadensis*), Black Locust (*Robinia pseudoacacia*), Scots Pine (*Pinus sylvestris*), Butternut (*Juglans cinerea*), Yellow Birch (*Betula alleghaniensis*), White Ash (*Fraxinus americana*), Blue Beech (*Carpinus caroliniana*), and Pin Cherry (*Prunus pensylvanica*),

## Proposed Development

The proposed development involves the construction of a 58-unit subdivision with single detached dwellings, serviced by central roadways connecting to County Road 65. Grading and servicing, including septic systems for each lot, outlets, and swales will also be required. Refer to Figure 1 for the 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 proposed development will require the removal of Trees 119-124, 126, 128-130, 133-141, 143-146, 150, 153, 155, 156, 162, 163, 166, 170, 172, 178-182, 190, 191, 198-200, 202-230, 233-236, 246-248, 252, 253, 255, B, Bn1, Bn2, P1, P4-P6, P8-P13, and a portion of P7. These trees either conflict directly with the proposed development and related grading or intrusion into their driplines would be too great and we would not expect them to tolerate the injury. Within P7, there are two areas that will require tree removals to accommodate swales, one between Lots 27 and 28, and one immediately west of Lot 32.

Trees 126, 128-130, 138, 141, 143-146, 150, 153, 155, 156, 162, 163, 172, 253, and 355 are located partially or fully on neighbouring properties. Additionally, there are trees within

P7, immediately west of the property line on the neighbouring property, that will require removal due to injury as part of the Lot 32 swale as well. Permission from these property owners is required prior to their removal.

There are additional dead trees not included in the tree inventory but shown on Figure 1 that will also require removal. Many of these dead trees are located on neighbouring properties; the removal of these trees should be discussed with the neighbouring property owners as well prior to their removal.

Please note that the majority of P2 can be preserved as discussed below and indicated on Figure 1; however, a small number of trees within this unit may require removal to accommodate the outfall located at the bulb of Street C.

It is recommended that trees be marked on site prior to tree removal works occurring.

Refer to Figure 1 for the location of tree removals.

### Butternut

Two Butternut trees (Bn1 and Bn2) were identified while on site. Pure Butternut (*Juglans cinerea*) are listed as “endangered” per COSEWIC and are protected by the Endangered Species Act (ESA). These trees will require removal to accommodate the proposed development. As such, a formal Butternut Health Assessment (BHA) will need to be conducted during leaf-on and submitted to the Ministry of Environment, Conservation, and Parks (MECP). Depending on the results of that assessment, additional action under the ESA may be required. Until the BHA is submitted and/or ESA requirements have been satisfied, activity within 25m of these trees is not permitted.

### *Tree Preservation*

The preservation of Trees 1-118, 125, 127, 131, 132, 142, 147-149, 151, 152, 154, 158-161, 164, 165, 167-169, 171, 173-177, 183-189, 192-197, 201, 231, 232, 237-245, 249-251, 254, A, C-E, P2, P3, and the majority of P7 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 earthworks to ensure designated tree resources are not impacted by the development. Refer to Figure 1 for the location of required tree preservation fencing and further tree protection plan notes. All grading and disturbances should be directed outside of the TPZ indicated on Figure 1.

Where work is occurring within the driplines of trees identified for preservation as indicated on Figure 1, the work should occur under the supervision of a certified Arborist, and any roots encountered must be pruned in accordance with Good Arboricultural Standards.

A standard tree protection fencing detail is shown on Figure 1 (snow fencing on wooden frame). Alternatively, protection fencing can also be comprised of erosion and sediment control fencing, erected on t-bars and/or affixed paige wire fencing.

## Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by Hillstreet Developments Ltd. to complete a Tree Inventory and Preservation Plan report as part of a development application for 5868 County Road 65 in Port Hope. A tree inventory was conducted and reviewed in the context of the proposed development plan.

The findings of the study indicate a total of 260 individual trees and 13 tree polygons on and within six metres of the subject property. The removal of 169 trees, nine tree polygons, and a portion of one tree polygon is required to accommodate the proposed development. All other tree resources can be saved provided appropriate tree protection measures are installed prior to construction.

The following recommendations are suggested to minimize impacts to trees identified for preservation. Refer to Figure 1 for 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 construction to ensure the trees identified for preservation are not impacted by the development.
- 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**

Celine Batterink, H.B.Sc. Ecology  
Senior Consulting Arborist, Ecologist  
ISA Certified Arborist #ON1546-A  
Email: [cbatterink@kuntzforestry.ca](mailto:cbatterink@kuntzforestry.ca)  
Phone: 289-837-1871 ext 18

### 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 (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: 5868 County Rd 65, Port Hope

Date: 16 and 24 March 2023

Surveyors: CB, SA

Tree#	Common	Scientific Name	DBH	CW	TI	CS	CV	CDB	Comments	Action
1	Trembling Aspen	<i>Populus tremuloides</i>	22	7	G	G	G		Deadwood (L)	Retain
2	Trembling Aspen	<i>Populus tremuloides</i>	22.5, ~9	7	G	F-G	G		Deadwood (L)	Retain
3	Trembling Aspen	<i>Populus tremuloides</i>	26	6	G	G	G		Deadwood (L)	Retain
4	Trembling Aspen	<i>Populus tremuloides</i>	21	6	G	G	G		Deadwood (L)	Retain
5	Sugar Maple	<i>Acer saccharum</i>	11.5	3	F-G	F-G	G		Understory tree, V-union at 2m with included bark (L)	Retain
6	Trembling Aspen	<i>Populus tremuloides</i>	12	3	G	F	F		Crooks (M), Deadwood (M)	Retain
7	Sugar Maple	<i>Acer saccharum</i>	8.5	2	G	G	G			Retain
8	Sugar Maple	<i>Acer saccharum</i>	10.5	4	G	G	G			Retain
9	Ironwood	<i>Ostrya virginiana</i>	11.5	5	G	G	G			Retain
10	White Birch	<i>Betula papyrifera</i>	9	4	G	G	G			Retain
11	Sugar Maple	<i>Acer saccharum</i>	12.5, 7.5	5	F	F-G	F		Union at 0.5, Epicormic branching (L)	Retain
12	American Beech	<i>Fagus grandifolia</i>	16.5	6	F	F	P-F		Beech bark disease (M)	Retain
13	Trembling Aspen	<i>Populus tremuloides</i>	36	5	F-G	F	F	20	Lean (L), Poor form (M), Asymmetrical crown (M), Deadwood (M)	Retain
14	Trembling Aspen	<i>Populus tremuloides</i>	31.5	9	G	F-G	G		Deadwood (L), Poor form (L)	Retain
15	Ironwood	<i>Ostrya virginiana</i>	9	4	G	G	G			Retain
16	Ironwood	<i>Ostrya virginiana</i>	13	3	F-G	F	F-G		Asymmetrical crown (M), Lost leader	Retain
17	Sugar Maple	<i>Acer saccharum</i>	27	8	G	F-G	G		Deadwood (L), Broken branches(L)	Retain
18	American Beech	<i>Fagus grandifolia</i>	15.5	5	P-F	F	P		Asymmetrical crown (H), Beech bark disease (H)	Retain
19	Trembling Aspen	<i>Populus tremuloides</i>	26	8	P-F	P-F	P-F		Canker (L), Bowed crown (H), Lost leader, Deadwood (M)	Retain
20	Trembling Aspen	<i>Populus tremuloides</i>	31	8	F	F-G	F-G		Fruiting bodies (M), Crooks (L), Deadwood (M)	Retain
21	Ironwood	<i>Ostrya virginiana</i>	10	5	G	G	G			Retain
22	Trembling Aspen	<i>Populus tremuloides</i>	32.5	8	F	F	F-G		Deadwood (M), Asymmetrical crown (M), Crook (M), Fruiting bodies (M)	Retain
23	Trembling Aspen	<i>Populus tremuloides</i>	28.5	9	F	F	F-G		Fruiting bodies (M), Asymmetrical crown (M), Deadwood (M), Crook (M)	Retain
24	Trembling Aspen	<i>Populus tremuloides</i>	~32	7	F-G	F-G	F-G		Fruiting bodies (M), Deadwood (L), Crook (L)	Retain
25	Sugar Maple	<i>Acer saccharum</i>	~10		G	G	G		Crowded by 24	Retain
26	Trembling Aspen	<i>Populus tremuloides</i>	25	6	F	F	F		Fruiting bodies (M), Crook (M), Deadwood (L)	Retain
27	Trembling Aspen	<i>Populus tremuloides</i>	28.5	7	F	F-G	F-G		Fruiting bodies (M), Deadwood (L), Crook (L), Asymmetrical crown (L)	Retain

28	Trembling Aspen	<i>Populus tremuloides</i>	29.5	6	F	F	F		Seam with rot (M), Asymmetrical crown (M), Deadwood (M), Fruiting bodies (M)	Retain
29	Trembling Aspen	<i>Populus tremuloides</i>	31	7	F	G	G		Fruiting bodies (M), Deadwood (M)	Retain
30	Trembling Aspen	<i>Populus tremuloides</i>	27	7	F-G	F-G	G		Crook (L), Deadwood (L), Fruiting bodies (L)	Retain
31	Sugar Maple	<i>Acer saccharum</i>	22	8	G	G	G			Retain
32	Black Cherry	<i>Prunus serotina</i>	10	4	F	F	F		Bowed (M) over subject property	Retain
33	Trembling Aspen	<i>Populus tremuloides</i>	22.5	5	F	P-F	F		Asymmetrical crown (H), Fruiting bodies (L), Cavity (L), Lost leader, Deadwood (L)	Retain
34	Trembling Aspen	<i>Populus tremuloides</i>	16.5	5	F	P-F	F		Crook (H), Deadwood (L), Asymmetrical crown (H), stem wound with burl (H)	Retain
35	Trembling Aspen	<i>Populus tremuloides</i>	20.5	7	G	G	G		Deadwood (L)	Retain
36	Trembling Aspen	<i>Populus tremuloides</i>	13.5	5	G	F-G	F-G		Lean (L), Bowed crown (L)	Retain
37	Sugar Maple	<i>Acer saccharum</i>	10	5	G	G	G			Retain
38	Sugar Maple	<i>Acer saccharum</i>	23	8	F-G	F-G	G		V-union in crown, Epicormic branching (L)	Retain
39	Sugar Maple	<i>Acer saccharum</i>	17	8	G	G	G			Retain
40	Sugar Maple	<i>Acer saccharum</i>	13.5	4	F-G	F-G	G		Poor form (M), PU in crown	Retain
41	Sugar Maple	<i>Acer saccharum</i>	15.5	8	G	G	G			Retain
42	White Pine	<i>Pinus strobus</i>	34	12	F	F	G		Asymmetrical crown (L), co in crown	Retain
43	Sugar Maple	<i>Acer saccharum</i>	12.5	4	G	F-G	G		Asymmetrical crown (L)	Retain
44	Sugar Maple	<i>Acer saccharum</i>	9.5	3	G	G	G			Retain
45	Black Cherry	<i>Prunus serotina</i>	18	7	G	F-G	G		Asymmetrical crown (L)	Retain
46	Trembling Aspen	<i>Populus tremuloides</i>	47	14	P-F	F	F		Fruiting bodies (H), Crooks (H), Deadwood (M)	Retain
47	Sugar Maple	<i>Acer saccharum</i>	13	4	G	G	G			Retain
48	Sugar Maple	<i>Acer saccharum</i>	13	6	G	F-G	G		Asymmetrical crown (L)	Retain
49	Sugar Maple	<i>Acer saccharum</i>	23	6	F-G	F-G	G		Asymmetrical crown (L), Included fence (M)	Retain
50	Trembling Aspen	<i>Populus tremuloides</i>	41.5	14	G	G	G		Deadwood (L)	Retain
51	Trembling Aspen	<i>Populus tremuloides</i>	16	7	F	F	F-G		Bowed (M), Deadwood (L)	Retain
52	Sugar Maple	<i>Acer saccharum</i>	16	5	G	F-G	G		Asymmetrical crown (M)	Retain
53	Sugar Maple	<i>Acer saccharum</i>	11	5	G	F-G	G		Asymmetrical crown (L)	Retain
54	Sugar Maple	<i>Acer saccharum</i>	10	4	G	G	G			Retain
55	Ironwood	<i>Ostrya virginiana</i>	11	7	G	G	G			Retain
56	Sugar Maple	<i>Acer saccharum</i>	8	3	G	G	G			Retain
57	Sugar Maple	<i>Acer saccharum</i>	12	4	G	G	G			Retain
58	Sugar Maple	<i>Acer saccharum</i>	26	12	G	F-G	G		Asymmetrical crown (L)	Retain
59	Sugar Maple	<i>Acer saccharum</i>	79.5	14	P-F	P-F	P-F		Basal rot (H), white rot, Deadwood (L), Lean (L), Asymmetrical crown (M)	Retain
60	Sugar Maple	<i>Acer saccharum</i>	13	6	G	G	G			Retain



61	Ironwood	<i>Ostrya virginiana</i>	9	4	G	G	G			Retain
62	Basswood	<i>Tilia americana</i>	21	6	F-G	F	F-G		Crooks (M), Poor form (M)	Retain
63	Sugar Maple	<i>Acer saccharum</i>	12	3	G	F-G	G		Asymmetrical crown (M)	Retain
64	Sugar Maple	<i>Acer saccharum</i>	31	8	G	F-G	G		Asymmetrical crown (M)	Retain
65	Trembling Aspen	<i>Populus tremuloides</i>	18.5	5	P-F	P-F	P-F	35	Fruiting bodies (M), Bowed (H), Deadwood (M)	Retain
66	White Birch	<i>Betula papyrifera</i>	33	5	P	P	P	80	Deadwood (H), rot (H)	Retain
67	Trembling Aspen	<i>Populus tremuloides</i>	32.5	8	F	F	F		Fruiting bodies (M), Crooks (M), Asymmetrical crown (M), Poor form (M)	Retain
68	Sugar Maple	<i>Acer saccharum</i>	23	6	G	F-G	G		Asymmetrical crown (L)	Retain
69	Sugar Maple	<i>Acer saccharum</i>	17	8	G	G	G			Retain
70	Sugar Maple	<i>Acer saccharum</i>	13	5	F	F-G	G		Asymmetrical crown (L), stem wounds (M)	Retain
71	Sugar Maple	<i>Acer saccharum</i>	11.5	4	G	G	G			Retain
72	Sugar Maple	<i>Acer saccharum</i>	21.5	7	G	F-G	G		Asymmetrical crown (L)	Retain
73	Trembling Aspen	<i>Populus tremuloides</i>	30.5	8	F	F	F		Fruiting bodies (M), Crooks (M), Deadwood (L)	Retain
74	Sugar Maple	<i>Acer saccharum</i>	14.5	6	G	G	G			Retain
75	Sugar Maple	<i>Acer saccharum</i>	60	12	F	F	F		Union at 1m, Poor form (M) Asymmetrical crown (L), Deadwood (L)	Retain
76	Red Oak	<i>Quercus rubra</i>	~78, 65, 65, 34	30	F-G	F	F-G		Union at 0.3m, Asymmetrical crown (M), Deadwood (M), large spreading leaders	Retain
77	Sugar Maple	<i>Acer saccharum</i>	27	7	F	G	F-G		Sugar Maple borer (M)	Retain
78	Sugar Maple	<i>Acer saccharum</i>	35	7	G	F	G		Asymmetrical crown (H)	Retain
79	Sugar Maple	<i>Acer saccharum</i>	~39, 38	12	F	F-G	F-G		V-union at 1m	Retain
80	Sugar Maple	<i>Acer saccharum</i>	37.5	8	G	G	G			Retain
81	Sugar Maple	<i>Acer saccharum</i>	24.5	6	G	F	G		Asymmetrical crown (M)	Retain
82	Sugar Maple	<i>Acer saccharum</i>	40	6	G	F-G	G		Asymmetrical crown (L)	Retain
83	Sugar Maple	<i>Acer saccharum</i>	27.5	8	G	F-G	G		Asymmetrical crown (L)	Retain
84	Red Maple	<i>Acer rubrum</i>	36	8	F-G	F-G	F-G		1 dead stem at base, Asymmetrical crown (L)	Retain
85	American Beech	<i>Fagus grandifolia</i>	23	7	P-F	G	P-F		Beech bark disease (H)	Retain
86	Red Maple	<i>Acer rubrum</i>	39, 48.5	12	F-G	F-G	G		Union at 0.2m, Asymmetrical crown (L)	Retain
87	Sugar Maple	<i>Acer saccharum</i>	15.5	7	G	G	G			Retain
88	Red Maple	<i>Acer rubrum</i>	61	12	F	F-G	G		V-union at 1.6m with included bark (L), Asymmetrical crown (L)	Retain
89	American Beech	<i>Fagus grandifolia</i>	20	6	F	G	P-F		Beech bark disease (M)	Retain
90	American Beech	<i>Fagus grandifolia</i>	18, 13	8	F	F	P-F		V-union at 1m, Beech bark disease (M)	Retain
91	Black Cherry	<i>Prunus serotina</i>	40.5	7	G	G	G		Deadwood (L)	Retain
92	Ironwood	<i>Ostrya virginiana</i>	19, 15.5	7	F-G	F	F-G		Union at base, Asymmetrical crown (M)	Retain
93	Ironwood	<i>Ostrya virginiana</i>	15.5, 12	7	F-G	F-G	F-G		Union at 0.2m, Poor form (L), Deadwood (M)	Retain

94	White Pine	<i>Pinus strobus</i>	58	11	G	F-G	G		Deadwood (L), Asymmetrical crown (M)	Retain
95	Ironwood	<i>Ostrya virginiana</i>	10	3	G	F-G	F-G		Poor form (M)	Retain
96	White Pine	<i>Pinus strobus</i>	53	13	G	G	G			Retain
97	Sugar Maple	<i>Acer saccharum</i>	13	4	G	F-G	G		Lean (L), Asymmetrical crown (L), Crook (L)	Retain
98	Sugar Maple	<i>Acer saccharum</i>	47	12	G	F-G	G		Lean (L), Asymmetrical crown (L)	Retain
99	Sugar Maple	<i>Acer saccharum</i>	9.5, 8	4	G	G	G		Union at 1m	Retain
100	White Pine	<i>Pinus strobus</i>	34	7	G	F-G	G		Asymmetrical crown (L), Deadwood (L)	Retain
101	Red Oak	<i>Quercus rubra</i>	57	13	G	F-G	G		Lean (L), Asymmetrical crown (M)	Retain
102	Ironwood	<i>Ostrya virginiana</i>	16	3	F	F	P-F	70	Crowded by 101, Asymmetrical crown (H)	Retain
103	Black Cherry	<i>Prunus serotina</i>	40	12	G	F-G	G		Deadwood (L), Asymmetrical crown (L)	Retain
104	Black Cherry	<i>Prunus serotina</i>	60	18	G	F	F-G		Deadwood (L), Epicormic branching (L), Asymmetrical crown (L)	Retain
105	Sugar Maple	<i>Acer saccharum</i>	14	3	G	G	G			Retain
106	Green Ash	<i>Fraxinus pennsylvanica</i>	12.5	3	F	F	F		Crook (M)	Retain
107	Sugar Maple	<i>Acer saccharum</i>	20.5	7	G	G	G		Deadwood (L)	Retain
108	Sugar Maple	<i>Acer saccharum</i>	17.5	5	G	G	G		Deadwood (L)	Retain
109	Sugar Maple	<i>Acer saccharum</i>	20.5	8	G	G	G			Retain
111	Sugar Maple	<i>Acer saccharum</i>	18	6	F	G	G		Stem wound from rubbing against 112 (M)	Retain
112	Trembling Aspen	<i>Populus tremuloides</i>	28	7	F	F	F		Lean (M), Crooks (M), Deadwood (M)	Retain
113	Sugar Maple	<i>Acer saccharum</i>	11	3	G	G	G			Retain
114	Sugar Maple	<i>Acer saccharum</i>	18.5	8	G	G	G			Retain
115	Trembling Aspen	<i>Populus tremuloides</i>	31	4	F-G	F	F		Asymmetrical crown (M), Deadwood (M), Crooks (L)	Retain
116	Black Cherry	<i>Prunus serotina</i>	20	5	F-G	F	F-G		Bowed (M)	Retain
117	Sugar Maple	<i>Acer saccharum</i>	24	9	G	F-G	G		Asymmetrical crown (L)	Retain
118	Sugar Maple	<i>Acer saccharum</i>	27	7	G	F-G	G		Asymmetrical crown (L)	Retain
119	Trembling Aspen	<i>Populus tremuloides</i>	24.5	8	G	G	G			Remove
120	Sugar Maple	<i>Acer saccharum</i>	14.5	4	G	F-G	G		Crowded by 119	Remove
121	Trembling Aspen	<i>Populus tremuloides</i>	24	7	G	F-G	G		Asymmetrical crown (L)	Remove
122	Black Cherry	<i>Prunus serotina</i>	20.5	8	F-G	F-G	G		Crook (M)	Remove
123	Black Cherry	<i>Prunus serotina</i>	26, 21, 17	10	F	F	F		Union at 0.5 and 1m, Lost leader, burl, Poor form (M)	Remove
124	Black Locust	<i>Robinia pseudoacacia</i>	18	7	G	G	G			Remove
125	Sugar Maple	<i>Acer saccharum</i>	17, 20	10	F	F-G	G		V-union at .3m with included bark (L)	Retain
126	White Birch	<i>Betula papyrifera</i>	23.5	11	F-G	F-G	G		Bowed (L), Deadwood (L)	Remove
127	Sugar Maple	<i>Acer saccharum</i>	25	10	G	G	G			Retain
128	White Birch	<i>Betula papyrifera</i>	24	10	F-G	F-G	G		Stem wounds (L), Deadwood (L), Lean (L)	Remove
129	White Birch	<i>Betula papyrifera</i>	28, 24	14	F	F	F-G		Fruiting bodies (L), Union at base, Deadwood (L)	Remove
130	Sugar Maple	<i>Acer saccharum</i>	25	8	G	G	G			Remove

131	Silver Maple	<i>Acer saccharinum</i>	22.5	5	G	G	G			Retain
132	Basswood	<i>Tilia americana</i>	18.5	6	G	F	F-G		Grapevine competition (M), Bowed crown (H)	Retain
133	Eastern Hemlock	<i>Tsuga canadensis</i>	~32	8	G	G	G			Remove
134	White Birch	<i>Betula papyrifera</i>	23	8	G	G	G			Remove
135	White Birch	<i>Betula papyrifera</i>	16.5	4	G	F	F-G		Poor form (L)	Remove
136	Cherry species	<i>Prunus sp.</i>	21	6	F	F	F	40	Deadwood (M)	Remove
137	White Birch	<i>Betula papyrifera</i>	21	7	F	F	F		Lean (M), Deadwood (L)	Remove
138	Ironwood	<i>Ostrya virginiana</i>	11.5	5	G	F-G	G		Asymmetrical crown (L)	Remove
139	Red Maple	<i>Acer rubrum</i>	17	6	G	G	G			Remove
140	White Birch	<i>Betula papyrifera</i>	31	10	F-G	F-G	F-G		Deadwood (L), Bowed (L), Asymmetrical crown (L)	Remove
141	White Birch	<i>Betula papyrifera</i>	14	5	G	F-G	G		Bowed (L)	Remove
142	White Birch	<i>Betula papyrifera</i>	30	9	G	G	G		Deadwood (M), Asymmetrical crown (L)	Retain
143	White Birch	<i>Betula papyrifera</i>	29.5	8	G	G	G		Deadwood (L)	Remove
144	American Beech	<i>Fagus grandifolia</i>	11	3	F	F	P-F		Beech bark disease (M)	Remove
145	White Birch	<i>Betula papyrifera</i>	31, 15	10	F-G	F-G	F-G		Union at 0.2m, Deadwood (L)	Remove
146	Sugar Maple	<i>Acer saccharum</i>	13	6	G	G	G			Remove
147	Red Oak	<i>Quercus rubra</i>	12.5	6	G	G	G			Retain
148	Red Maple	<i>Acer rubrum</i>	32.5	8	G	G	G			Retain
149	Red Maple	<i>Acer rubrum</i>	12.5	4	G	F-G	G		Asymmetrical crown (M)	Retain
150	Apple sp	<i>Malus sp</i>	40	6	P-F	P	P	70	Deadwood (H), Epicormic branching (M), Bowed (M)	Remove
151	Apple sp.	<i>Malus sp</i>	29	7	P-F	P-F	P-F	50	Deadwood (H), Epicormic branching (M)	Retain
152	Sugar Maple	<i>Acer saccharum</i>	18	6	G	G	G			Retain
153	Black Cherry	<i>Prunus serotina</i>	15.5	4	G	F-G	G		Deadwood (L), Asymmetrical crown (L)	Remove
154	White Birch	<i>Betula papyrifera</i>	29	6	F	F	F-G		Bowed (M) over subject property, Deadwood (L)	Retain
155	White Birch	<i>Betula papyrifera</i>	24	4	P	F	P-F		Lean (L), canker (H)	Remove
156	Black Cherry	<i>Prunus serotina</i>	24.5	7	F-G	F-G	F-G		Black knot (L), Asymmetrical crown (L), Deadwood (L)	Remove
157	tag not used									
158	Silver Maple	<i>Acer saccharinum</i>	27	7	G	G	G			Retain
159	Red Maple	<i>Acer rubrum</i>	14	5	G	F-G	G		Asymmetrical crown (L)	Retain
160	Sugar Maple	<i>Acer saccharum</i>	12	5	G	G	G			Retain
161	Apple sp.	<i>Malus sp</i>	~8, 9, 7	7	P-F	P	P-F		Union at 1m, Bowed (H) over subject property, Vine competition (H)	Retain
162	White Birch	<i>Betula papyrifera</i>	23, 25	7	F-G	F	F-G		Union at 1.3m, Asymmetrical crown (M), Grapevine competition (L)	Remove
163	White Birch	<i>Betula papyrifera</i>	28	6	F-G	G	G		Crook (L), Bowed (L)	Remove
164	Sugar Maple	<i>Acer saccharum</i>	17	5	G	G	G			Retain

165	White Birch	<i>Betula papyrifera</i>	26, 25	8	F	F-G	F		V-union at 0.4m with included bark (L) and stem wound (M), Deadwood (L), Asymmetrical crown (L)	Retain
166	Red Oak	<i>Quercus rubra</i>	38, 22.5	9	F	F-G	F-G		Lean (L), Union at 0.3m, Asymmetrical crown (L)	Remove
167	Red Maple	<i>Acer rubrum</i>	28.5	8	G	F-G	F-G		Asymmetrical crown (L), Grapevine competition (L), Poor form (L)	Retain
168	Black Cherry	<i>Prunus serotina</i>	10.5	2	F	F	F		Crooks (M), Epicormic branching (L), Poor form (L)	Retain
169	Sugar Maple	<i>Acer saccharum</i>	30.5	8	F	F-G	F-G		V-union at 3m with included bark (L)	Retain
170	Red Oak	<i>Quercus rubra</i>	30.5	10	F-G	F-G	G		Lean (L), stem wound (L), Asymmetrical crown (L)	Remove
171	Sugar Maple	<i>Acer saccharum</i>	20	3	G	G	G			Retain
172	White Birch	<i>Betula papyrifera</i>	31, ~23, 22	11	F	F	F	20	1 dead stem, Union at base, Deadwood (M)	Remove
173	American Beech	<i>Fagus grandifolia</i>	19.5	6	G	G	G		Asymmetrical crown (L)	Retain
174	Sugar Maple	<i>Acer saccharum</i>	10.5	4	G	G	G			Retain
175	Sugar Maple	<i>Acer saccharum</i>	22	8	G	G	G			Retain
176	White Pine	<i>Pinus strobus</i>	24	6	G	G	G			Retain
177	Sugar Maple	<i>Acer saccharum</i>	18	5	G	G	G			Retain
178	White Birch	<i>Betula papyrifera</i>	12.5	4	G	G	G		Lean (L)	Remove
179	White Birch	<i>Betula papyrifera</i>	13.5	5	G	F-G	G		Asymmetrical crown (L)	Remove
180	White Birch	<i>Betula papyrifera</i>	10	3	G	G	G			Remove
181	White Birch	<i>Betula papyrifera</i>	10.5	3	G	G	G			Remove
182	White Birch	<i>Betula papyrifera</i>	14.5	4	G	G	G		Lean (L)	Remove
183	Black Locust	<i>Robinia pseudoacacia</i>	24	10	G	F-G	G		Asymmetrical crown (L)	Retain
184	Black Locust	<i>Robinia pseudoacacia</i>	19	10	G	G	G		Broken branches(L)	Retain
185	Black Locust	<i>Robinia pseudoacacia</i>	20.5	10	G	G	G			Retain
186	Black Locust	<i>Robinia pseudoacacia</i>	~18	10	F-G	F-G	F-G		Stem wound (L), Grapevine competition (L)	Retain
187	Black Locust	<i>Robinia pseudoacacia</i>	12	8	G	F-G	F-G		Asymmetrical crown (M), Lean (L)	Retain
188	Black Walnut	<i>Juglans nigra</i>	11.5	4	G	G	G			Retain
189	Sugar Maple	<i>Acer saccharum</i>	37	12	G	G	G			Retain
190	Black Locust	<i>Robinia pseudoacacia</i>	58.5	12	F	F-G	F		De (L), Fruiting bodies (L)	Remove
191	Sugar Maple	<i>Acer saccharum</i>	37, 25.5	12	F	F-G	F-G		V-union at .8m with included bark (M), Deadwood (L), Grapevine competition (L), Poor form (L)	Remove
192	Eastern White Cedar	<i>Thuja occidentalis</i>	~12, 17	4	F	F	F		Union at base with 1 dead stem	Retain
193	Eastern White Cedar	<i>Thuja occidentalis</i>	21	4	F-G	F-G	F-G		Asymmetrical crown (L), Lean (L)	Retain
194	Eastern White Cedar	<i>Thuja occidentalis</i>	11	1.5	G	F-G	G		Asymmetrical crown (L)	Retain
195	Eastern White Cedar	<i>Thuja occidentalis</i>	20	4	F	F	F		Lean (H) over creek	Retain
196	Eastern White Cedar	<i>Thuja occidentalis</i>	25, 13	4	G	F-G	F-G		Union at 0.3m, Deadwood (L)	Retain
197	Eastern White Cedar	<i>Thuja occidentalis</i>	12	4	F-G	G	F-G		Lean (L) over creek	Retain

198	Eastern White Cedar	<i>Thuja occidentalis</i>	10	2	G	G	G			Remove
199	Eastern White Cedar	<i>Thuja occidentalis</i>	18.5, 188	4	G	G	G		Union at base	Remove
200	Eastern White Cedar	<i>Thuja occidentalis</i>	15.5	3	F	F	F-G		Sweep (H), Lost leader	Remove
201	Eastern White Cedar	<i>Thuja occidentalis</i>	~14	5	G	G	G			Retain
202	Sugar Maple	<i>Acer saccharum</i>	120.5	24	P-F	F-G	F		Fruiting bodies, Union at 2m, rot, Deadwood (M), <b>prune if saving</b>	Remove
203	Sugar Maple	<i>Acer saccharum</i>	41	10	F	F-G	G		V-union at 3m with included bark (M), Asymmetrical crown (L)	Remove
204	Red Maple	<i>Acer rubrum</i>	36	8	G	F-G	G		Asymmetrical crown (M), Deadwood (L)	Remove
205	Sugar Maple	<i>Acer saccharum</i>	21.5	9	G	F-G	G		Asymmetrical crown (M)	Remove
206	Sugar Maple	<i>Acer saccharum</i>	33	6	G	F-G	G		Asymmetrical crown (M)	Remove
207	Sugar Maple	<i>Acer saccharum</i>	78.5	16	F	F-G	F-G		V-union at 2m	Remove
208	Manitoba Maple	<i>Acer negundo</i>	15.5	6	G	G	G			Remove
209	Sugar Maple	<i>Acer saccharum</i>	57	12	F	F-G	G		V-union a 1m with included bark (L)	Remove
210	Sugar Maple	<i>Acer saccharum</i>	18	6	G	G	G			Remove
211	Sugar Maple	<i>Acer saccharum</i>	54.5	12	G	G	G			Remove
212	Sugar Maple	<i>Acer saccharum</i>	93	20	F	F-G	F-G		Poor union at 2m, Deadwood (M)	Remove
213	Red Maple	<i>Acer rubrum</i>	60.5	12	F	F	F-G		Seams (M), Deadwood (L), Asymmetrical crown (L)	Remove
214	Silver Maple	<i>Acer saccharinum</i>	79	15	F	F-G	F		Poor union at 2m with rot, Asymmetrical crown (L)	Remove
215	Sugar Maple	<i>Acer saccharum</i>	14.5	7	G	G	G			Remove
216	Black Locust	<i>Robinia pseudoacacia</i>	132	20	P	P-F	P-F		1 leader failed at 1m, Deadwood (H), girdling wound (H), FB, rot (H)	Remove
217	Manitoba Maple	<i>Acer negundo</i>	17, 24	10	F-G	F-G	G		Union at 0.2m, Coppice Growth (L), Epicormic branching (L)	Remove
218	Apple sp	<i>Malus sp</i>	~21, 19, 17	7	F	F	F		Union at 0.5m, Epicormic branching (M), Pruning wounds(L)	Remove
219	Apple sp	<i>Malus sp</i>	23.5, 32.5	10	P-F	F	F		Rot (H), Union at 1m, Epicormic branching (M)	Remove
220	Apple sp	<i>Malus sp</i>	16, ~21	7	F-G	F-G	F		Union at base, Grapevine competition (L)	Remove
221	Apple sp	<i>Malus sp</i>	21.5, ~23, 14	8	P-F	F	F		Union at 1m, hollow, Epicormic branching (L)	Remove
222	Apple sp	<i>Malus sp</i>	22, 29	7	P-F	F	F		Union at 0.5m with rot, Epicormic branching (M)	Remove
223	Apple sp	<i>Malus sp</i>	14, ~13, 12	7	F	F	P-F		Union at 1m with rot, Sapsucker damage (M), Epicormic branching (L)	Remove
224	Apple sp	<i>Malus sp</i>	27, 25.5, 19.5	8	P-F	F	P-F		Union at 0.4m with rot, Epicormic branching (M), Deadwood (M)	Remove
225	Apple sp	<i>Malus sp</i>	65.5	6	P-F	P-F	P-F		Union at 1.2m w pruned leader, Poor form (H), Epicormic branching (M)	Remove

226	Apple sp	<i>Malus sp</i>	38.5	8	P-F	F	P-F		Stem wound (H) with rot from failed leader, Epicormic branching (H), Asymmetrical crown (M)	Remove
227	Apple sp	<i>Malus sp</i>	53	6	P-F	F	P-F		Rot (M), Pruning wounds(H), Epicormic branching (H), Poor form (M)	Remove
228	Black Locust	<i>Robinia pseudoacacia</i>	38.5	8	F	G	G		V-union at 1.2m, Epicormic branching (L)	Remove
229	Sugar Maple	<i>Acer saccharum</i>	73.5	10	F	F-G	G		V-union at 2m, seam (M), Poor form (L)	Remove
230	Norway Maple	<i>Acer platanoides</i>	24	6	P	G	F		Canker (H)	Remove
231	Manitoba Maple	<i>Acer negundo</i>	~65	15	F	P-F	P-F		Bowed (H), Epicormic branching (H)	Retain
232	Manitoba Maple	<i>Acer negundo</i>	~75, 75	18	F	F	F		Union at 1m, Epicormic branching (H), Bowed (M)	Retain
233	Manitoba Maple	<i>Acer negundo</i>	28.5	7	F	F	F-G		Growing from old stump, Lean (M), Epicormic branching (L)	Remove
234	Manitoba Maple	<i>Acer negundo</i>	33.5	7	F	F	F		Bowed (M) north, Epicormic branching (H), Poor form (H), Broken branches(M)	Remove
235	Manitoba Maple	<i>Acer negundo</i>	26	6	F	F	F-G		Bowed (M) southwest, Epicormic branching (M)	Remove
236	Manitoba Maple	<i>Acer negundo</i>	23	8	F-G	F-G	F-G		Bowed (M) south, Union at 1.7m, Epicormic branching (L)	Remove
237	Manitoba Maple	<i>Acer negundo</i>	23, 23, 26, 21.5	10	F	F-G	F-G		Poor union at base and .5m, ab (M), Bowed (L)	Retain
238	Manitoba Maple	<i>Acer negundo</i>	19	6	F	F	F-G		Bowed (M) southeast, Poor form (M), Epicormic branching (L)	Retain
239	Sugar Maple	<i>Acer saccharum</i>	15.5, ~7	4	G	G	G		Union at .2m	Retain
240	Manitoba Maple	<i>Acer negundo</i>	23	8	F	F	F-G		Bowed (H) south, Epicormic branching (M)	Retain
241	Black Locust	<i>Robinia pseudoacacia</i>	109	15	F	F	P-F	30	V-union at 1m, Deadwood (H), Asymmetrical crown (M)	Retain
242	Manitoba Maple	<i>Acer negundo</i>	27.5, ~45	16	F	P-F	F		Union at 0.2m and 1m, Bowed (H) south, Epicormic branching (M), Poor form (M), Broken branches(M)	Retain
243	Black Walnut	<i>Juglans nigra</i>	11	4	G	G	G			Retain
244	Black Locust	<i>Robinia pseudoacacia</i>	31	7	F-G	F-G	F-G		V-union at 1.3m	Retain
245	Black Locust	<i>Robinia pseudoacacia</i>	~8, 5	4	G	G	G		Union at 2m	Retain
246	Black Locust	<i>Robinia pseudoacacia</i>	33	7	F-G	G	G		V-union at 1.1m	Remove
247	Black Locust	<i>Robinia pseudoacacia</i>	12	5	G	G	G			Remove
248	Manitoba Maple	<i>Acer negundo</i>	15, 17, ~15, 15	6	F-G	G	F-G		Union at .2m, Epicormic branching (M)	Remove
249	Manitoba Maple	<i>Acer negundo</i>	20, ~20	8	F	F	F-G		Union at base, Epicormic branching (L), Poor form (L)	Retain
250	Manitoba Maple	<i>Acer negundo</i>	25, ~21	7	F-G	F	F		Union at base, Epicormic branching (L), Poor form (M), stem wound from branch from Tree D	Retain
251	Black Walnut	<i>Juglans nigra</i>	10.5	4	G	G	G			Retain
252	Black Locust	<i>Robinia pseudoacacia</i>	14	3	G	G	G			Remove
253	Red Maple	<i>Acer rubrum</i>	10	4	G	G	G			Remove
254	Red Maple	<i>Acer rubrum</i>	14	3	G	G	G			Retain

255	Basswood	<i>Tilia americana</i>	25	5	G	F-G	G		Asymmetrical crown (L)	Remove
A	Silver Maple	<i>Acer saccharinum</i>	93.5	18	G	G	G			Retain
B	Apple sp	<i>Malus sp</i>	34	6	F	F	F		Pruning wounds(M), Epicormic branching (M), Deadwood (M), Poor form (M)	Remove
C	White Birch	<i>Betula papyrifera</i>	~17, 16, 14, 9	5	P-F	P-F	P-F	30	Deadwood (M), Lost leader's, seam (M), Union at base	Retain
D	Scots Pine	<i>Pinus sylvestris</i>	~45	8	F-G	G	G		Crook (L)	Retain
E	Black Walnut	<i>Juglans nigra</i>	~62	15	F-G	F-G	F-G		V-union at 2m, Deadwood (L)	Retain
Bn1	Butternut	<i>Juglans cinerea</i>	8	5	F-G	G	G		Deer rub damage (M)	Remove
Bn2	Butternut	<i>Juglans cinerea</i>	6.5	4	G	G	G			Remove
P1	White Birch, Trembling Aspen	<i>Betula papyrifera</i> , <i>Populus Tremuloides</i>	~2-9	2.0	G	G	G		Cluster of approximately 200 White Birch, 80 Trembling Aspen	Remove
P2	See Table 2									Retain
P3	See Table 2									Retain
P4	See Table 2									Remove
P5	See Table 2									Remove
P6	See Table 2									Remove
P7	See Table 2									Remove portion
P8	See Table 2									Remove
P9	White Birch	<i>Betula papyrifera</i>	<10	2.0	G	G	G		Pocket of dense regeneration	Remove
P10	See Table 2									Remove
P11	See Table 2									Remove
P12	Black Locust	<i>Robinia pseudoacacia</i>	<10	2.0	G	G	G		19 trees, regeneration	Remove
P13	Black Locust	<i>Robinia pseudoacacia</i>	~10-18	4.0	G	G	G		20 trees, 3 shared with the right-of-way, also regeneration-sized Black Locust and Sumac within unit	Remove

<b>Codes</b>		
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	(%)
CW	Crown Width	(m)
~ = estimate; (VL) = very light; (L) = light; (M) = moderate; (H) = heavy; (VH) = very heavy		



**Table 2. 100% Tally or Fixed Area Sampling of Polygons**

**Location:** 5868 County Road 65  
**Date:** 24-Mar-23  
**Surveyor:** SA  
**Compartment:** P2  
**Stations Tallied:** 100% Tally

Tree Size	Class >>>>	Polewood 10-24 cm		Sawtimber Sizes						Total All Sizes	
				Small 26-36 cm		Medium 38-48 cm		Large 50 cm +			
Species		AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
White Birch ( <i>Betula papyrifera</i> )		5	2							5	2
Trembling Aspen ( <i>Populus tremuloides</i> )		2	2		2					2	4
American Beech ( <i>Fagus grandifolia</i> )		6	1							6	1
Sugar Maple ( <i>Acer saccharum</i> )		16	5							16	5
Black Cherry ( <i>Prunus serotina</i> )			2							0	2
Ironwood ( <i>Ostrya virginiana</i> )		1								1	0
<b>Total Number of Trees</b>		30	12	0	2	0	0	0	0	30	14

**Description**

**Location:** 5868 County Road 65  
**Date:** 24-Mar-23  
**Surveyor:** SA  
**Compartment:** P3  
**Stations Tallied:** 100% Tally

Tree Size	Class >>>>	Polewood 10-24 cm		Sawtimber Sizes						Total All Sizes	
				Small 26-36 cm		Medium 38-48 cm		Large 50 cm +			
Species		AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
Red Oak ( <i>Quercus rubra</i> )		5	2	3						8	2
White Birch ( <i>Betula papyrifera</i> )		12								12	0
Yellow Birch ( <i>Betula allegheniensis</i> )		1								1	0
Ironwood ( <i>Ostrya virginiana</i> )		3	1					3		3	1
Sugar Maple ( <i>Acer saccharum</i> )		1								1	0
										0	0
<b>Total Number of Trees</b>		22	3	3	0	0	0	0	0	25	3

**Description**

Copious White Birch regeneration in unit

**Location:** 5868 County Road 65  
**Date:** 24-Mar-23  
**Surveyor:** SA  
**Compartment:** P4  
**Stations Tallied:** 3  
 3.99m radius fixed area plots

Tree Size	Class >>>>	Polewood 10-24 cm		Sawtimber Sizes						Total All Sizes	
				Small 26-36 cm		Medium 38-48 cm		Large 50 cm +			
Species		AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
Trembling Aspen ( <i>Populus tremuloides</i> )		13	1							13	1
White Birch ( <i>Betula papyrifera</i> )		2								2	0
										0	0
										0	0
<b>Total Number of Trees</b>		15	1	0	0	0	0	0	0	15	1

**Description:** Dense amounts of regen-sized trees (<10cm DBH) including Trembling Aspen, Green Ash, White Birch, Black Cherry, and Sugar Maple

**Location:** 5868 County Road 65  
**Date:** 24-Mar-23  
**Surveyor:** SA  
**Compartment:** P5  
**Stations Tallied:** 100% Tally

Tree Size	Class >>>>	Polewood 10-24 cm		Sawtimber Sizes						Total All Sizes	
				Small 26-36 cm		Medium 38-48 cm		Large 50 cm +			
Species		AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
Ironwood ( <i>Ostrya virginiana</i> )		6		1						7	0
Black Cherry ( <i>Prunus serotina</i> )		3		1						4	0
Sugar Maple ( <i>Acer saccharum</i> )		2								2	0
										0	0
<b>Total Number of Trees</b>		11	0	2	0	0	0	0	0	13	0

**Description**

**Location:** 5868 County Road 65  
**Date:** 24-Mar-23  
**Surveyor:** SA  
**Compartment:** P6  
**Stations Tallied:** 100% Tally

Tree Size	Class >>>>	Polewood 10-24 cm		Sawtimber Sizes						Total All Sizes	
				Small 26-36 cm		Medium 38-48 cm		Large 50 cm +			
Species		AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
Red Oak ( <i>Quercus rubra</i> )		2	1	3						5	1
Ironwood ( <i>Ostrya virginiana</i> )		5			1					5	1
Green Ash ( <i>Fraxinus pennsylvanica</i> )			5		1					0	6
Sugar Maple ( <i>Acer saccharum</i> )		36	2	4		1				41	2
Basswood ( <i>Tilia americana</i> )		1	2							1	2
White Pine ( <i>Pinus strobus</i> )		1			1					1	1
Trembling Aspen ( <i>Populus tremuloides</i> )		6	11	6		6				18	11
Black Cherry ( <i>Prunus serotina</i> )			3						1	0	4
Yellow Birch ( <i>Betula alleghaniensis</i> )		2								2	0
Pin Cherry ( <i>Prunus pensylvanica</i> )		3	5							3	5
White Birch ( <i>Betula papyrifera</i> )		5	1							5	1
Manitoba Maple ( <i>Acer negundo</i> )		3	3							3	3
Black Locust ( <i>Robiniana pseudoacacia</i> )		4		1		1				6	0
										0	0
										0	0
<b>Total Number of Trees</b>		68	33	14	3	8	0	0	1	90	37

**Description**

**Location:** 5868 County Road 65  
**Date:** 24-Mar-23  
**Surveyor:** SA  
**Compartment:** P7  
**Stations Tallied:** 4  
 10m radius fixed area plots

Tree Size	Class >>>>	Polewood 10-24 cm		Sawtimber Sizes						Total All Sizes	
		AGS	UGS	Small 26-36 cm		Medium 38-48 cm		Large 50 cm +		AGS	UGS
<i>Species</i>				AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
Eastern Hemlock ( <i>Tsuga canadensis</i> )		13	1	3		2	1	1		19	2
Sugar Maple ( <i>Acer saccharum</i> )		11	2	5	1	4	1	1		21	4
Yellow Birch ( <i>Betula alleghaniensis</i> )		1								1	0
American Beech ( <i>Fagus grandifolia</i> )			3		1					0	4
White Ash ( <i>Fraxinus americana</i> )										0	0
Ironwood ( <i>Ostrya virginiana</i> )			2							0	2
Black Cherry ( <i>Prunus serotina</i> )		3						1		4	0
Trembling Aspen ( <i>Populus tremuloides</i> )			1			1				1	1
White Pine ( <i>Pinus strobus</i> )						2		1		3	0
Basswood ( <i>Tilia americana</i> )		2		1						3	0
Red Oak ( <i>Quercus rubra</i> )						1				1	0
White Birch ( <i>Betula papyrifera</i> )		3	2							3	2
										0	0
										0	0
<b>Total Number of Trees</b>		33	11	9	2	10	2	4	0	56	15

**Description:** Regeneration (<10cm DBH) within unit including Hemlock, Sugar Maple, Beech, Ironwood, Black Cheery, White Ash, Basswood,

**Location:** 5868 County Road 65  
**Date:** 24-Mar-23  
**Surveyor:** SA  
**Compartment:** P8  
**Stations Tallied:** 3  
 3.99m radius fixed area plots

Tree Size	Class >>>>	Polewood 10-24 cm		Sawtimber Sizes						Total All Sizes	
				Small 26-36 cm		Medium 38-48 cm		Large 50 cm +			
Species		AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
Trembling Aspen ( <i>Populus tremuloides</i> )		3		1						4	0
Ironwood ( <i>Ostrya virginiana</i> )		1								1	0
Sugar Maple ( <i>Acer saccharum</i> )		1								1	0
White Birch ( <i>Betula papyrifera</i> )		7								7	0
White Elm ( <i>Ulmus americana</i> )		1								1	0
Yellow Birch ( <i>Betula alleghaniensis</i> )		1								1	0
										0	0
<b>Total Number of Trees</b>		14	0	1	0	0	0	0	0	15	0

**Description:** Dense amounts of regen-sized trees (<10cm DBH) including Trembling Aspen, Green Ash, White Birch, Black Cherry, and Sugar Maple

**Location:** 5868 County Road 65  
**Date:** 24-Mar-23  
**Surveyor:** SA  
**Compartment:** P10  
**Stations Tallied:** 100% Tally

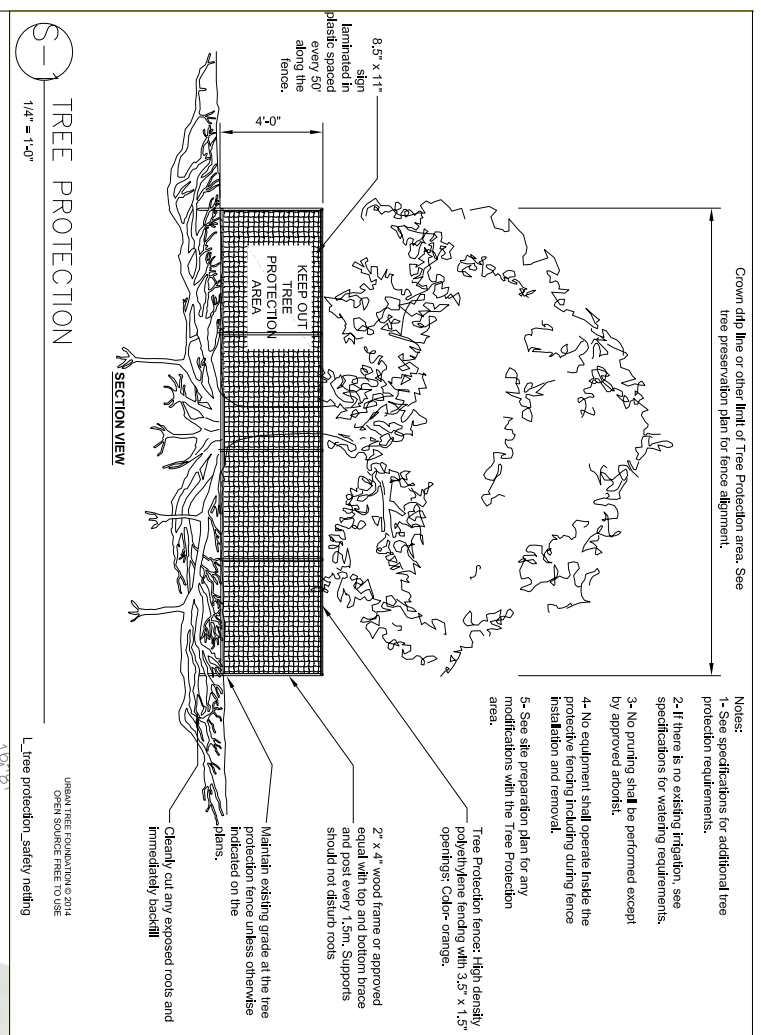
Tree Size	Class >>>>	Polewood 10-24 cm		Sawtimber Sizes						Total All Sizes	
				Small 26-36 cm		Medium 38-48 cm		Large 50 cm +			
Species		AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
White Birch ( <i>Betula papyrifera</i> )		22		5						27	0
Basswood ( <i>Tilia americana</i> )		7								7	0
Yellow Birch ( <i>Betula alleghaniensis</i> )		1		1						2	0
Sugar Maple ( <i>Acer saccharum</i> )		13	1							13	1
Silver Maple ( <i>Acer saccharinum</i> )		1								1	0
Cherry species ( <i>Prunus sp.</i> )		6								6	0
Ironwood ( <i>Ostrya virginiana</i> )		2								2	0
American Beech ( <i>Fagus grandifolia</i> )		1								1	0
Blue Beech ( <i>Carpinus caroliniana</i> )		2								2	0
Black Cherry ( <i>Prunus serotina</i> )		1								1	0
										0	0
										0	0
<b>Total Number of Trees</b>		56	1	6	0	0	0	0	0	62	1

**Description** Sugar Maple, Beech, and White Birch regen

**Location:** 5868 County Road 65  
**Date:** 24-Mar-23  
**Surveyor:** SA  
**Compartment:** P11  
**Stations Tallied:** 100% Tally

Tree Size	Class >>>>	Polewood 10-24 cm		Sawtimber Sizes						Total All Sizes	
				Small 26-36 cm		Medium 38-48 cm		Large 50 cm +			
Species		AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS
Basswood ( <i>Tilia americana</i> )			1							0	1
Red Oak ( <i>Quercus rubra</i> )			1							0	1
Sugar Maple ( <i>Acer saccharum</i> )		12	1							12	1
White Birch ( <i>Betula papyrifera</i> )		7	3							7	3
Green Ash ( <i>Fraxinus pennsylvanica</i> )			1							0	1
Trembling Aspen ( <i>Populus tremuloides</i> )		5	5	1						6	5
Yellow Birch ( <i>Betula alleghaniensis</i> )		20	1	1						21	1
										0	0
										0	0
<b>Total Number of Trees</b>		44	13	2	0	0	0	0	0	46	13

**Description**

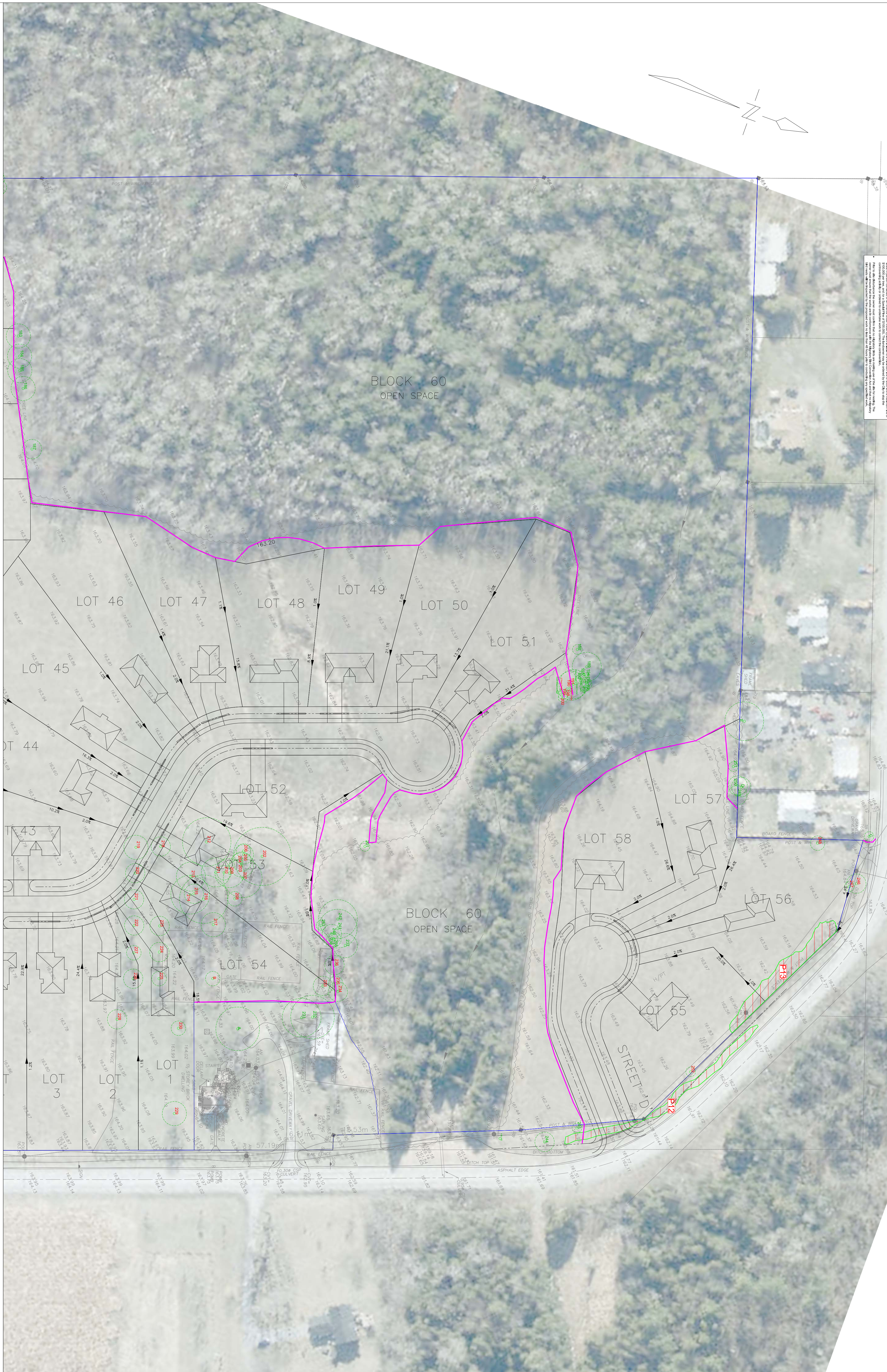


**TREE PROTECTION POLYGON NOTES**

1. The protection polygon is defined by a 10m radius circle centered on the trunk of the tree. The protection zone is required to be maintained throughout the life of the tree. The protection zone is required to be maintained throughout the life of the tree. The protection zone is required to be maintained throughout the life of the tree.

2. The protection polygon is defined by a 10m radius circle centered on the trunk of the tree. The protection zone is required to be maintained throughout the life of the tree. The protection zone is required to be maintained throughout the life of the tree. The protection zone is required to be maintained throughout the life of the tree.

3. The protection polygon is defined by a 10m radius circle centered on the trunk of the tree. The protection zone is required to be maintained throughout the life of the tree. The protection zone is required to be maintained throughout the life of the tree. The protection zone is required to be maintained throughout the life of the tree.



Matchline - See Figure 1a

**LEGEND**

- Tree Inventory
- Refer to Table 1 of report dated 28 March 2023 for complete tree inventory information. All trees greater than 10cm DBH on and within six metres of the disturbance area were included in the inventory.
- Tree Removals
- The removal of 169 trees, nine (9) tree polygons, and a portion of one tree polygon is required to accommodate the proposed development. Proposed removals are identified with RED. Additional dead trees to be removed are identified with ORANGE labels.
- Tree Preservation
- Preservation of all remaining trees will be possible with appropriate tree protection measures. Trees identified for preservation are indicated with GREEN labels. Minimum Tree Preservation zones and required Tree Preservation Fencing are indicated in MAGENTA. PZ circles represent minimum distances for construction and grading near trees. Refer to Tree Protection Plan Notes for preservation details.

- Tree location, determined by GPS
- Tree Label (ORANGE) removal recommended due to poor condition
- Tree Label (RED) removal required
- Tree Label (GREEN) preservation recommended
- Required Tree Protection Fencing
- Ditchline
- Limit of Polygon (Groups of Trees)
- Polygon (Groups of Trees) Label (RED), polygon or portion of polygon to be removed
- Polygon (Groups of Trees) Label (GREEN), polygon or portion of polygon to be preserved
- Extent of polygon (group of trees) to be removed
- Extent of polygon (group of trees) to be preserved

No.	Issue/Revisions	Date	By
1	Report Submission	28 Mar 2023	CB

Base Data: BIM Surveyors (w/pt) D.C. Binks & Associates Ltd. (Site Plan, Northumberland County Mapping (w/pt))

**KUNTZ FORESTRY CONSULTING INC.**

146 Lansdowne Road West  
 PO Box 7387 Lakeshore W1O  
 Ontario, ON L4K 1B5  
 e: consultant@kuntzforestry.ca  
 w: www.kuntzforestry.ca

Client:  
**Hillstreet Developments Ltd.**  
 524 Rosebank Road  
 Pickering, ON L1W 2W5

Property:  
**5868 County Road 65**  
 Port Hope, Ontario

Tree Inventory & Preservation Plan (north)

Project P3660 Figure 1b

Date 28 March 2023

Scale 1:750



Matchline - See Figure 1b



**LEGEND**

**Tree Inventory**

Refer to Table 1 of report dated 28 March 2023 for complete tree inventory information. All trees greater than 10cm DBH on and within six metres of the distance area were included in the inventory.

**Tree Removals**

The removal of 169 trees, nine (9) tree polygons, and a portion of one tree polygon is proposed to accommodate the proposed development. Proposed removals are identified with RED. Additional dead trees to be removed are identified with ORANGE labels.

**Tree Preservation**

Preservation of all remaining trees will be possible with appropriate tree protection measures. Trees identified for preservation are indicated with GREEN labels. Mitigation trees are identified with GREEN labels. Trees requiring minimum distances for construction and grading near trees. Refer to Tree Protection Plan Notes for preservation details.

- Tree location - determined by GPS
- Tree Label (ORANGE) removal recommended due to poor condition
- Tree Label (RED) removal required
- Tree Label (GREEN) preservation recommended
- Required Tree Protection Fencing
- Dipline
- Limit of Polygon (Groups of Trees)
- Polygon (Groups of Trees) Label (RED), polygon or portion of polygon to be removed
- Polygon (Groups of Trees) Label (GREEN), polygon or portion of polygon to be preserved
- Extent of polygon (group of trees) to be removed
- Extent of polygon (group of trees) to be preserved

No.	Issue/Revisions	Date	By
1	Report Submission	28 Mar. 2023	CB

Base Data: BIV Surveys (top), D.C. Bialik & Associates Ltd. (left data), Waterford County Mapping (base)

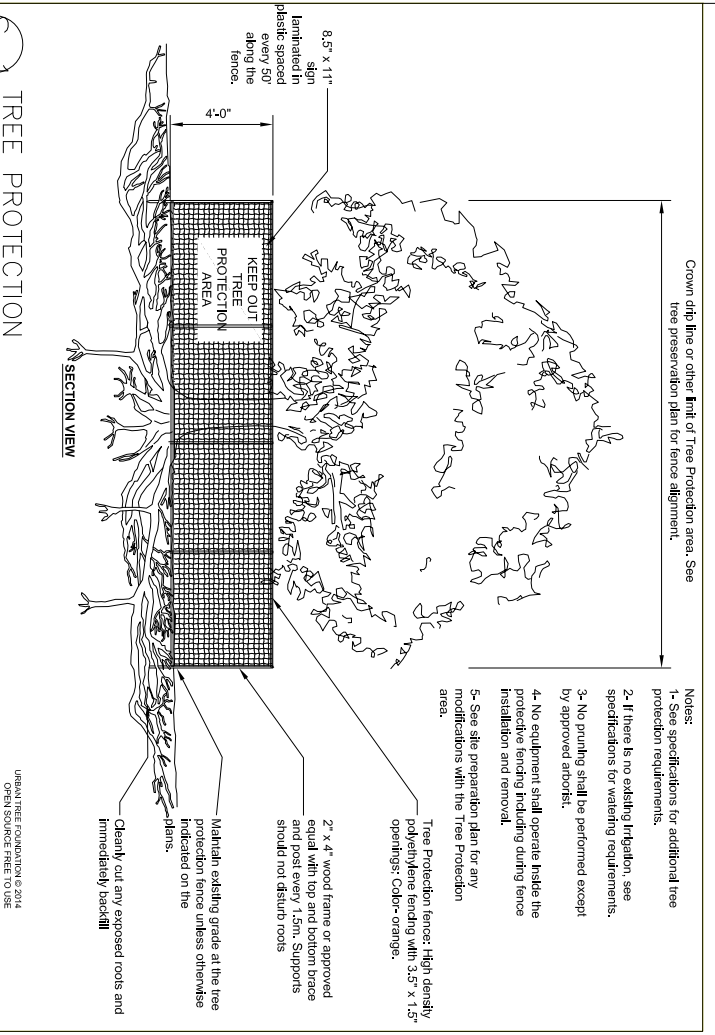


**Client**  
**Hillstreet Developments Ltd.**  
 524 Rosebank Road  
 Pickering, ON L1W 2W5

**Property**  
**5868 County Road 65**  
 Port Hope, Ontario

**Tree Inventory & Preservation Plan (south)**

Project	P3660	Figure	1a
Date	28 March 2023		
Scale	1:750		



**TREE PROTECTION PLAN NOTES**

1. The tree protection plan shall be prepared in accordance with the provisions of the Ontario Forestry Act and the regulations thereunder.
2. The tree protection plan shall be prepared in accordance with the provisions of the Ontario Forestry Act and the regulations thereunder.
3. The tree protection plan shall be prepared in accordance with the provisions of the Ontario Forestry Act and the regulations thereunder.
4. The tree protection plan shall be prepared in accordance with the provisions of the Ontario Forestry Act and the regulations thereunder.
5. The tree protection plan shall be prepared in accordance with the provisions of the Ontario Forestry Act and the regulations thereunder.
6. The tree protection plan shall be prepared in accordance with the provisions of the Ontario Forestry Act and the regulations thereunder.
7. The tree protection plan shall be prepared in accordance with the provisions of the Ontario Forestry Act and the regulations thereunder.
8. The tree protection plan shall be prepared in accordance with the provisions of the Ontario Forestry Act and the regulations thereunder.
9. The tree protection plan shall be prepared in accordance with the provisions of the Ontario Forestry Act and the regulations thereunder.
10. The tree protection plan shall be prepared in accordance with the provisions of the Ontario Forestry Act and the regulations thereunder.