DILLON CONSULTING

REMINGTON TRAFALGAR INC.

Tree Inventory and Preservation Plan

6252 Eighth Line Road, Town of Milton, Ontario

November 2021 – 21-2678

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1.0 Introduction

Dillon Consulting Limited ("Dillon") was retained by Remington Trafalgar Inc. (the "Client") to complete a Tree Evaluation Report (TER), including a tree inventory and assessment. The property subject to this study is located at 6252 Eighth Line Road, in the Town of Milton ("Town"), Ontario and will be referred to as the "Subject Property," which corresponds the Property Boundary on Figure 1 (Appendix A).

This TER includes details regarding trees within the defined "Limit of Development" (Figure 1, Appendix A) associated with the Subject Property as well as recommendations regarding tree removals, preservation and protection. This Limit of Development was previously established by Savanta Inc. and Stonybrook Consulting Inc. as part of their work on the Tertiary Plan and MESP for the Secondary Plan area. This work determined the limits of Natural Heritage System (NHS) and associated setbacks. To account for potential impacts to trees on and adjacent to the Subject Property, field staff inventoried trees within the Limit of Development boundary, as well as 6 metres (m) beyond the boundary where trees existed. This Limit of Development plus 6 m beyond is defined in this TER as the "Study Area".

As there are limited procedural guidelines for tree protection during construction in Halton Region, resources from the Town of Oakville will be referenced firstly, and secondly from The City of Mississauga. It is noted that the Town does not have any guidelines regarding tree protection.

1.1 Existing Conditions and Development Description

The Subject Property is located northeast of the Milton town centre, and is surrounded by agricultural fields to the north and west and a forest associated with the East Sixteen Mile Creek to the east. Additionally, the Royal Ontario Golf Club is located to the west and south of the Subject Property (Figure 1, Appendix A), with the closest intersection being Derry Road East and Trafalgar Road. The Subject Property contains agricultural fields with hedgerows, a small pocket of forest associated with East Sixteen Mile Creek as well as manicured trees and a small woodland feature associated with a commercial property located on Trafalgar Road within the southeastern portion of the Study Area.

Preliminary plans for the development indicate high and medium density residential areas within the Limit of Development.

1.2 Applicable Policy

1.2.1 The Regional Municipality of Halton

Due to the absence of a Milton Town by-law, the Halton Regional by-law number 121-05 (2006) is used to determine the tree protection required.

The Region's by-law number 121-05 states: "*THAT no person or corporation through their own actions or through any other person or corporation shall destroy or Injure any Tree located in Greenlands or in*

Woodlands 0.5ha or larger". Therefore, policies of this by-law only apply to trees located in the western woodland within the Study Area (Figure 1, Appendix A).

Section 4 of the by-law provides the following exemptions:

> *THAT this By-law does not apply to:*
>
> *d) the Injuring or destruction of Trees imposed after December 31, 2002 as a condition to the approval of a site plan, a plan of subdivision or a consent under Sections 41, 51 or 53, respectively,* of The Planning Act *or as a requirement of a site plan agreement or subdivision agreement entered into under those Sections; or*
>
> *e) the Injuring or destruction of Trees imposed as a condition to a development permit authorized by regulation made under Section 70.2 of* The Planning Act *or as a requirement of an agreement entered into under the regulation*
>
> *j) the removal of damaged Trees that pose a hazard to human safety or properties.*

2.0 Methods

2.1 Inventory Methods

On September 21 and 23 2021, a Dillon International Society of Arboriculture (ISA) Certified Arborist conducted a tree inventory within the Study Area.

The following information was collected during the inventory of trees:

- Identification of species, where determinable
- Measurement of diameter-at-breast-height (DBH) at 1.34 m from the ground
- Application of a numbered identification tag to trees $\geq$ 10 cm DBH, where accessible
- A Level 2 (basic) qualitative visual assessment to determine tree health condition, according to the health condition rating system detailed in Table 1: Tree/Stand Condition Rating Categories
- Coordinates of trees were obtained using the GIS Collector App, which uses phone location data
- If determinable and/or applicable, providing recommendations regarding preservation, protection or removal.

The basic assessment completed for trees consisted of a detailed visual inspection of the tree and surrounding area to obtain a scientific opinion of each tree's health condition. It included a non-invasive inspection of each tree, looking at the site conditions, buttress roots, trunk, and branches. This basic assessment is the standard assessment performed by ISA arborists, though it only includes conditions that are readily detected from the ground. Therefore, it should be noted that the results from a basic assessment should not be relied on for internal, below-ground, and/or upper-crown condition or defects as these areas may be impossible to see or difficult to assess from ground-level. In the event of a

significant change in site conditions prior to development activities, such as severe weather events (e.g., ice storm, tornado, prolonged flooding, etc.), trees within the Study Area should be reassessed.

Table 1: Tree/Stand Condition Rating Categories

Condition	Description
Dead	A specimen tree/stand is considered dead when it has no living tissue.
Poor	Trees in poor condition show major symptoms of decline. At least 50% of main scaffold branches are dead, missing or in a diseased state. The trunk shows evidence of advanced rot, deadwood or is hollow throughout. Twig development on the main branches or throughout the canopy is poor and may have limited sucker growth. Callus growth around wounds is minimal. A tree in poor condition could decline further to become a safety hazard. Removal prior to development should be considered if it is considered a hazard tree.
Fair	Trees in fair condition show moderate symptoms of decline in lower canopy or scaffold branches, but more than 50% of scaffold branches are present and viable. The trunk shows limited evidence of rot or insect damage. Good callus growth is present near wound areas. Trees that have scaffold branches that are healthy, but are in a "Y" formation, may also be included in this category if “included-bark” is evident as the risk of splitting or breakage increases as the tree matures. Removal or preservation of these trees depends on the location of the specimen and associated target potential. It would depend on the species, and its tolerance to grading, trenching and surviving in an urban environment. Some major arboricultural maintenance may be required and may include major scaffold or secondary branch removal, bracing and/or cabling.
Good	Trees in good condition show no symptoms of decline in the trunk, and all scaffold branches are present and are in good condition. Most scaffold branches are at right angles to the trunk and show good vigour. Small amounts of dead wood may be present in secondary branches, but account for less than 25% of the canopy. Depending on the grading in the immediate area, a tree in good condition would be recommended for preservation. Such a tree would typically survive to maturity without major arboricultural maintenance.
Excellent	Trees in excellent condition show no symptoms of decline in trunk, scaffold or secondary branches. Trees in this condition have an excellent growth habit and should typically survive to maturity without major arboricultural maintenance.

2.2 Analysis Methods

Tree information collected during the inventory was analyzed to develop recommendations for tree removals and preservations, which are outlined in subsequent sections of this report. The analysis included the methods outlined in the following subsections.

2.2.1 DBH of Multi-Stemmed Trees

For trees with multiple stems ≥10 cm DBH, the DBH values for each stem were recorded and input to the formula below in order to calculate a Derived DBH value for the purpose of estimating the tree's Critical Rooting Zone (CRZ) radius. The formula is:

$$DBH_D = \sqrt{([DBH_1]^2 + [DBH_2]^2 + [DBH_{...etc.}]^2)}$$

Where DBH_D is the derived DBH and $DBH_{1...etc.}$ are the measured DBH values of each stem.

This method is taken from the City of Mississauga's Tree Preservation and Protection Standards (The Urban Tree Management Group, 2017) as a best practice in effectively estimating the CRZ.

2.2.2 Determination of the Critical Rooting Zone

A tree's CRZ is the below-ground area containing the primary roots that are most critical to its survival and which are most susceptible to disturbance and impacts. The CRZ is generally proportional to a tree's stem diameter. As such, it can be approximated as a circular area around the tree's stem with a radius estimated based on the tree's derived DBH. The CRZ also generally aligns with the extent of the tree's above-ground canopy, though canopies may extend beyond the CRZ.

The approximated CRZ for each tree in the inventory was determined based on the derived DBH value ranges outlined in Table 2, as taken from the City of Mississauga's Tree Preservation and Protection Standards (The Urban Tree Management Group, 2017). The City of Mississauga's guidelines were used as guidance on determining the CRZ, as the Town's Guidelines did not provide this.

Table 2: Determination of CRZ

Derived Diameter at Breast Height (cm)	**Critical Root Zone radius (m) for** Street Trees	**Critical Root Zone radius (m) for Trees** in Open Spaces and Woodlands
<10	1.2	2.4
10-20	1.5	2.4
21-30	1.8	3.6
31-40	2.4	4.8
41-50	3.0	6.0
51-60	3.6	7.2
61-70	4.2	8.4
71-80	4.8	9.6
81-90	5.4	10.8
91-100	6.0	12.0
>100	6 cm protection for each 1 cm diameter	12 cm protection for each 1 cm diameter

2.2.3 Analysis for Tree Remove/Retain Recommendations

To develop recommendations for trees to be removed or retained, the inventoried trees' location were analyzed compared to the proposed Limit of Development, which includes the proposed development areas as shown in the Tree Inventory Protection Plan (TIPP) within Figure 1 and Figures 1A-1C (Appendix A). Construction activities in these areas are expected to result in disturbance to trees. The analysis compared the location of each tree and its CRZ to the Limit of Development in order to identify where tree impacts are expected to occur and categorized each tree to be removed or retained:

- Removed
  - Tree within the Limit of Development – Trees located within the limit of development are required for removal to facilitate construction of the project
  - >35% CRZ within the Limit of Development – Trees located within or near the limit of development and having >35% of their CRZ within the limit are likely to be heavily impacted, causing death or poor health conditions. These trees are recommended for removal
  - **Condition** – Dead trees or trees in poor condition have the potential to be hazardous if they fall on a person, vehicle, equipment or sensitive property. Due to the proximity of the future development activities, these trees are recommended for removal.
- Retain:
  - Tree not within the Limit of Development– Trees (including their CRZ) that are located entirely outside of the Limit of Development are identified to be retained
  - <35% CRZ within the Limit of Development – Trees with <35% of their CRZ within the Limit of Development are expected to sustain only a low level of impact and injury to their roots and/or canopy. Provided appropriate protection measures are applied, they are expected to maintain their condition; therefore, recommended to be retained.

3.0 Results

A total of 368 trees with a DBH ≥ 10cm were documented within the Study Area, during the tree inventory. Tree inventory results are shown on the TIPP (Appendix A), and detailed tree data is provided in Appendix B. The majority of the trees were located along the border of the property, adjacent to other agricultural lot's, as well as the private/commercial property including a house and a laneway. Representative photos are included in Appendix C.

The 25 tree species inventoried are considered common in southern Ontario. The inventory did not observe tree species listed as Endangered, Threatened, or Special Concern under the provincial *Endangered Species Act, 2007* or the federal *Species at Risk Act*, 2002 or listed as rare (sub-national rank of S1 – S3) under the provincial Natural Heritage Information Centre. The most frequently inventoried species were Trembling Aspen (*Populus tremuloides*; 61 trees) and Eastern White Cedar (*Thuja occidentalis*; 59 trees). Other frequently observed species include Manitoba Maple (*Acer negunda*), Black Walnut (*Juglans negra*), American Basswood (*Tilia americana*), and Bur Oak (*Quercus macrocarpa*). Of the tree species observed, 68% were native species, and 32% were non-native species.

The health conditions of the inventoried trees are outlined in Table 3 below.

Table 3: Health Conditions of Inventoried Trees

Condition	Number of Trees	**Proportion of Trees within** Study Area
Good	234	64%
Fair	99	27%
Poor	16	4%
Dead	19	5%
Total	368	100%

Detailed tree inventory results, including species, DBH, condition and other relevant information recorded during the tree inventory, are provided in Appendix B.

4.0 Potential Impacts to Trees

4.1 Tree Removal

Using the assumptions outlined in **Section 2.2.3**, 233 of the 368 trees identified within the Study Area are proposed for removal, which equates to 63 % of the trees inventoried (Appendix B). Please note that the trees inventoried are outside of the NHS that has been previously protected due to the analysis and determination of the Limit of Development.

The removal of all 233 trees is required to accommodate the construction of the proposed development within the Limit of Development. Of these trees recommended for removal, 163 are within the proposed development area, 24 are considered hazard trees as their condition may pose a threat to human life or infrastructure, 25 have >35% of their CRZ within the development area, and 21 are in poor condition or dead.

The quantities of tree removals within each condition category are outlined in Table 4 below.

Table 4. Health Conditions of Inventoried Trees

Condition	Number of Trees	Number of Trees Required to be Removed	**Proportion of Trees to be** Removed
Good	234	131	56%
Fair	99	70	71%
Poor	16	15	94%
Dead	19	17	89%
Total	368	233	63 %

An ISA-certified arborist should conduct tree removals following best arboricultural practices. Removal activities should avoid or minimize impacts to adjacent trees to be preserved (as identified below). The timing of removals should consider the schedule of project construction activities (e.g., demolition, site preparation, earthworks, etc.) and sensitive wildlife periods.

4.2 Tree Preservation

Of the inventoried trees, 135 are recommended to be retained as they are located beyond the Limit of Development (Figures 1, 1A, 1B, 1C Appendix A), and have <35% of their CRZ extending onto site. Therefore, they are not expected to sustain impact or injury from the construction of the project provided the mitigation measures outlined below are applied.

Potential impacts to these trees during project construction are primarily associated with physical damage to roots or the trunk and/or scaffold branches by equipment conducting the anticipated

construction activities. Overall, potential impacts that could occur to trees during construction may include the following:

- Root damage or cutting by excavation equipment during construction
- Mechanical injury to the trunk, structural roots, branch or crown of a preserved tree by construction equipment which could potentially result from accidental contact between construction equipment and tree, and/or
- Compaction of the soil either by the placement of project components or due to using heavy machinery within root zones (soil compaction within the root zone can inhibit root growth and function, and these impacts have the potential to result in a decline in the overall condition of a tree).

The tree mitigation measures outlined below should be applied to the trees identified to be retained.

4.3 Tree Protection and Mitigation during Construction

In consultation with the Town, tree protection locations and barriers should be erected prior to the commencement of any construction activity that may injure a tree on the site, and remain in place throughout the project's entire duration. Recommended specifications for the tree protection fencing are provided in Ontario Provincial Standard Drawing (OPSD) 220.010 (Appendix D). Locations of tree protection fencing should be refined as required in the development of detailed design for the project and construction planning, and installation should be field-fitted on site prior to construction to meet construction requirements.

The Critical Root Zone (CRZ) should be clear of building materials, waste, soil stockpiles and construction equipment. Subject to finalization of construction plans, within the CRZ there should be:

- No construction
- No altering of grade by adding fill, excavating, trenching, scraping, dumping or disturbance of any kind
- No storage of construction materials, equipment, soil, construction waste or debris
- No disposal of any liquids (e.g., concrete sleuth, gas, oil, paint, etc.)
- No movement of vehicles, equipment or pedestrians
- No parking of vehicles or machinery.

Protection fencing should be maintained throughout the active construction period, and repairs to damaged fencing made promptly if required.

If construction, especially excavation or re-grading, cannot be avoided within a CRZ this would cause the tree to be re-evaluated for removal as the tree may decline in condition and become hazardous during and/or after construction.

During excavation adjacent to a CRZ, there is the potential that roots from the adjacent trees will be encountered and damaged. As such, when roots measuring 2.5 cm in diameter or larger are encountered, root pruning is recommended. This should be completed by an ISA Certified Arborist

skilled in root pruning methods. During above-ground work adjacent to a CRZ, there is potential that branches from adjacent trees may obstruct construction access and/or be damaged. Such branches are recommended to be pruned in advance of construction in order to avoid improper damage. This should be completed by an ISA Certified Arborist skilled in branch pruning methods.

4.4 Compensation for Tree Removals

Compensation, if any, will be discussed with the applicable agencies. Opportunities for compensation for trees being removed from the site are present within and/or adjacent to retained natural heritage features.

5.0 Conclusion

Remington Trafalgar Inc. retained Dillon to complete a Tree Evaluation Report, including a tree inventory and assessment for the properties located at 6252 Eighth Line Road. The tree inventory was completed on September 21 and 23 2021, and a total of 368 trees were documented within the Study Area. Of the 368 trees identified, 135 will be retained. To facilitate required works of the proposed development, 233 trees must be removed. At this time, compensation for removed trees is rendered at the desertion of The Client. Recommendations for tree protection measures during construction and compensation strategies are provided within this document.

Upon advances in project design, if additional construction areas are required, revisions to the removal/ preservation analysis should be made to confirm which trees require removal, preservation and protection.

6.0 References

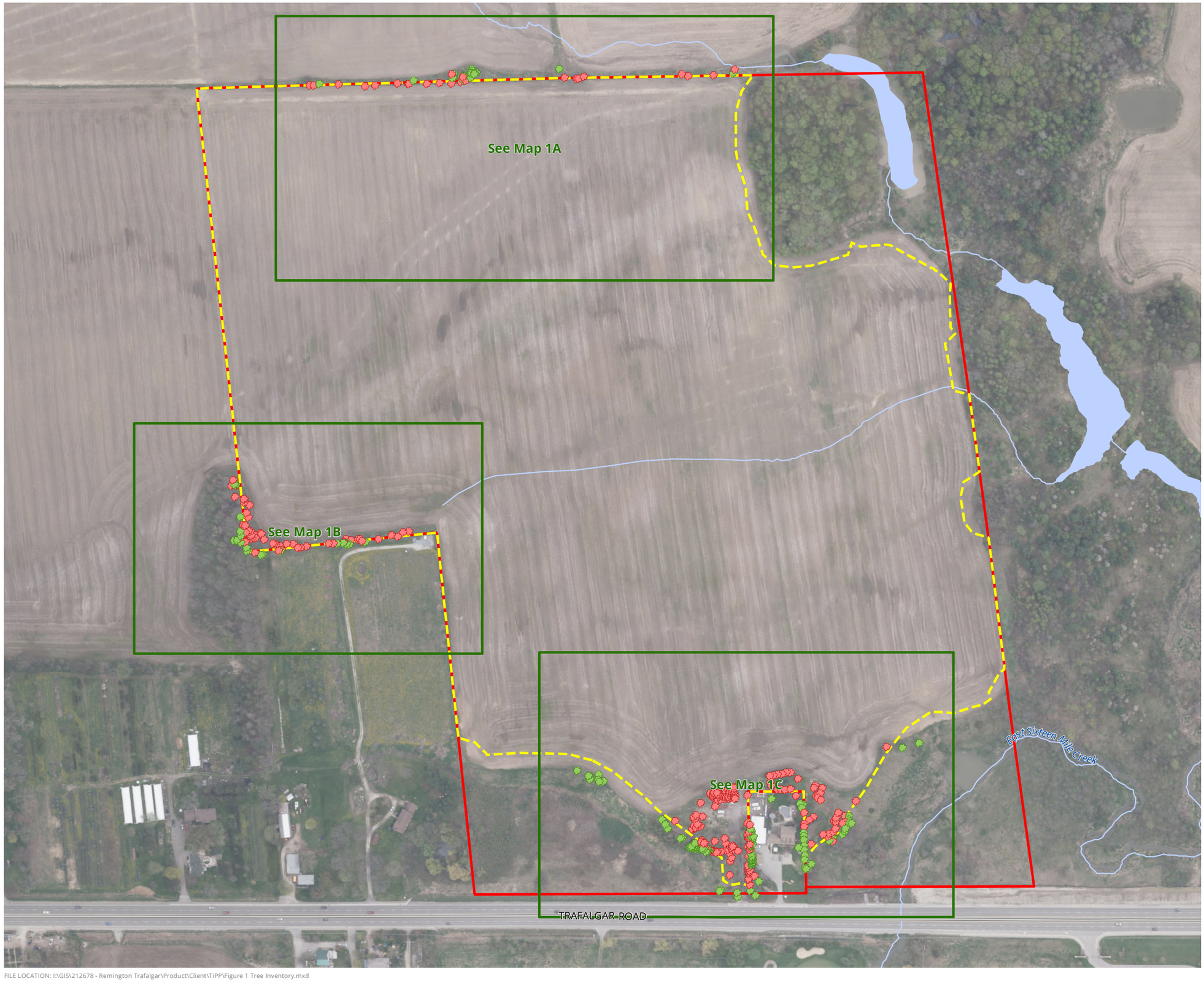
The Urban Tree Management Group. 2019. Tree Preservation and Protection Standards for the City of Mississauga.

The Regional Muncipality of Halton. 2006. Halton Tree By-law 121-05.

Town of Oakville. 2009. Tree Protection During Construction Proceedure, EN-TRE-001-001. Forestry Section, Parks and Open Space and Development Services.

Appendix A

Figures



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TREE INVENTORY
PROTECTION PLAN

FIGURE 1
TREE INVENTORY

- Surveyed Tree to be Retained
- Surveyed Tree to be Removed
- Limit of Development
- Property Boundary
- Water Body

1:3,000

0 45 90 m

MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, REGION OF PEEL, TRCA

MAP CREATED BY: GM
MAP CHECKED BY: AB
MAP PROJECTION: NAD 1983 UTM Zone 17N

DILLON CONSULTING

PROJECT: 176406
STATUS: DRAFT
DATE: 2021-11-02

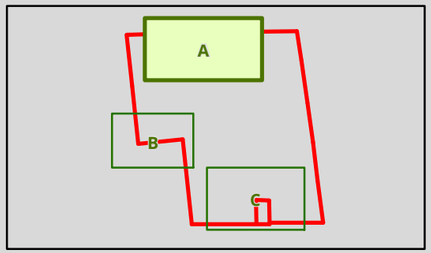
FILE LOCATION: I:\GIS\212678 - Remington Trafalgar\Product\Client\TIPP\Figure 1 Tree Inventory.mxd

REMINGTON-TRAFALGAR

TREE INVENTORY
PROTECTION PLAN

FIGURE 1A
TREE INVENTORY

- Surveyed Tree to be Retained
- Surveyed Tree to be Removed
- Limit of Development
- Property Boundary



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MAP CHECKED BY: AB
MAP PROJECTION: NAD 1983 UTM Zone 17N

DILLON CONSULTING

PROJECT: 176406
STATUS: DRAFT
DATE: 2021-11-02

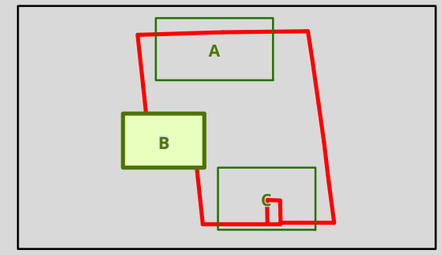
FILE LOCATION: I:\GIS\212678 - Remington Trafalgar\Product\Client\TIPP\Figure 1 Tree Inventory Detail.mxd

REMINGTON-TRAFALGAR

TREE INVENTORY
PROTECTION PLAN

FIGURE 1B
TREE INVENTORY

- Surveyed Tree to be Retained
- Surveyed Tree to be Removed
- Limit of Development
- Property Boundary



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DATA PROVIDED BY MNRF, REGION OF PEEL, TRCA

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PROJECT: 176406
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DATE: 2021-11-02

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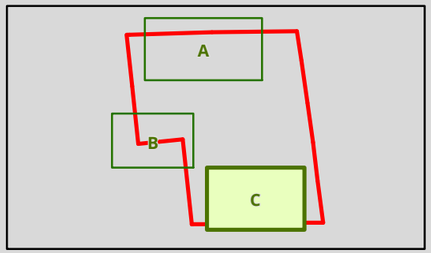
REMINGTON-TRAFALGAR

TREE INVENTORY
PROTECTION PLAN

FIGURE 1C
TREE INVENTORY

- Surveyed Tree to be Retained
- Surveyed Tree to be Removed
- Limit of Development
- Property Boundary



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DILLON CONSULTING

PROJECT: 176406
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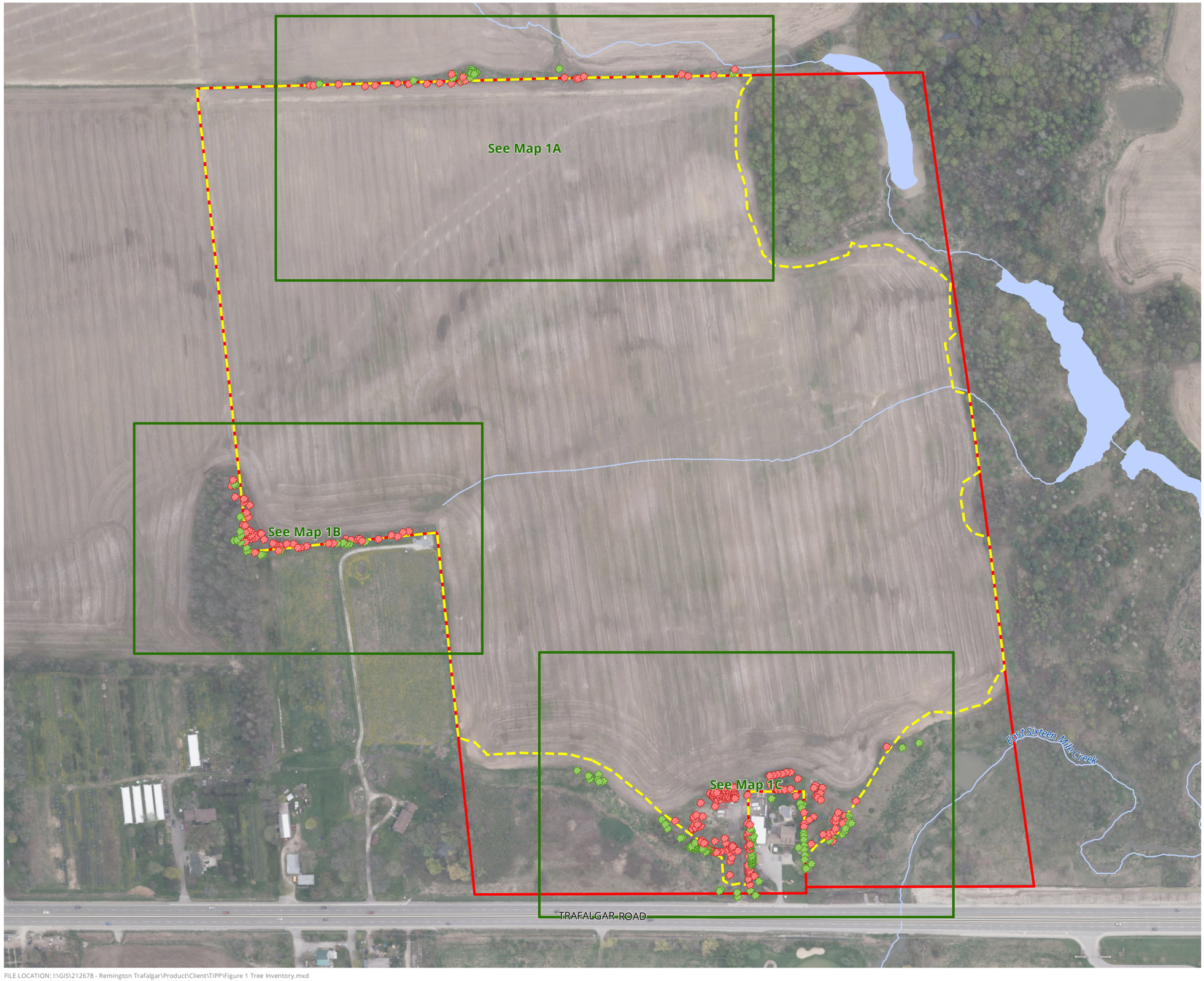

REMINGTON-TRAFALGAR

TREE INVENTORY
PROTECTION PLAN

FIGURE 1
TREE INVENTORY

- Surveyed Tree to be Retained
- Surveyed Tree to be Removed
- Limit of Development
- Property Boundary
- Water Body

1:3,000

0 45 90 m

MAP DRAWING INFORMATION:
DATA PROVIDED BY MNRF, REGION OF PEEL, TRCA

MAP CREATED BY: GM
MAP CHECKED BY: AB
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PROJECT: 176406
STATUS: DRAFT
DATE: 2021-11-02

FILE LOCATION: I:\GIS\212678 - Remington Trafalgar\Product\Client\TIPP\Figure 1 Tree Inventory.mxd

Appendix B

Detailed Tree Data

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
1	*Juniperus virginiana* (Eastern Red Cedar)	Fair	18	N/A	N/A	N/A	N/A	18.00	2.16	Dieback	Retain	N/A	N/A
2	*Juniperus virginiana* (Eastern Red Cedar)	Fair	14	N/A	N/A	N/A	N/A	14.00	1.68	Dieback	Retain	N/A	N/A
3	*Fraxinus pennsylvanica* (Green Ash)	Fair	20	N/A	N/A	N/A	N/A	20.00	2.40	Dieback	Retain	N/A	N/A
4	*Pyrus calleryana* (Callery Pear)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	N/A
5	*Juglans nigra* (Black Walnut)	Good	32	N/A	N/A	N/A	N/A	32.00	3.84	N/A	Remove	Tree in Development Area	100%
6	*Acer negundo* (Manitoba Maple)	Fair	33	31	N/A	N/A	N/A	45.28	5.43	Smaller stem dead	Remove	Tree in Development Area	100%
7	*Juglans nigra* (Black Walnut)	Good	22	N/A	N/A	N/A	N/A	22.00	2.64	N/A	Remove	Tree in Development Area	100%
8	*Acer negundo* (Manitoba Maple)	Good	18	12	N/A	N/A	N/A	21.63	2.60	Smaller stem dead	Remove	Tree in Development Area	100%
9	*Acer negundo* (Manitoba Maple)	Fair	51	35	N/A	N/A	N/A	61.85	7.42	Stems nearly horizontal and some decay evident on larger stem	Remove	Tree in Development Area	100%
10	*Acer negundo* (Manitoba Maple)	Good	19	N/A	N/A	N/A	N/A	19.00	2.28	N/A	Remove	Tree in Development Area	100%
11	*Acer negundo* (Manitoba Maple)	Good	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Remove	Tree in Development Area	100%
12	*Acer negundo* (Manitoba Maple)	Good	24	N/A	N/A	N/A	N/A	24.00	2.88	N/A	Remove	Tree in Development Area	100%
13	*Acer negundo* (Manitoba Maple)	Good	10	N/A	N/A	N/A	N/A	10.00	1.20	N/A	Remove	Tree in Development Area	100%
14	*Acer negundo* (Manitoba Maple)	Dead	24	N/A	N/A	N/A	N/A	24.00	2.88	N/A	Remove	Hazard Tree	100%
15	*Acer negundo* (Manitoba Maple)	Good	37	N/A	N/A	N/A	N/A	37.00	4.44	N/A	Remove	Tree in Development Area	100%
15	*Thuja occidentalis* (Eastern White Cedar)	Fair	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	100%
16	*Acer negundo* (Manitoba Maple)	Good	31	N/A	N/A	N/A	N/A	31.00	3.72	N/A	Remove	Tree in Development Area	100%
17	*Acer negundo* (Manitoba Maple)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	91%
18	*Acer negundo* (Manitoba Maple)	Fair	37	N/A	N/A	N/A	N/A	37.00	4.44	N/A	Remove	Tree in Development Area	91%
19	*Thuja occidentalis* (Eastern White Cedar)	Fair	21	N/A	N/A	N/A	N/A	21.00	2.52	Dieback	Remove	Tree in Development Area	72%
20	*Thuja occidentalis* (Eastern White Cedar)	Fair	21	N/A	N/A	N/A	N/A	21.00	2.52	Dieback	Remove	Dead/Poor Condition	44%
21	*Thuja occidentalis* (Eastern White Cedar)	Poor	27	N/A	N/A	N/A	N/A	27.00	3.24	Decay	Remove	Greater than 35% of CRZ within Development Area	41%
22	*Thuja occidentalis* (Eastern White Cedar)	Good	27	26	19	16	N/A	44.97	5.40	N/A	Remove	Tree in Development Area	57%
23	*Thuja occidentalis* (Eastern White Cedar)	Fair	18	N/A	N/A	N/A	N/A	18.00	2.16	N/A	Remove	Tree in Development Area	74%
24	*Thuja occidentalis* (Eastern White Cedar)	Fair	16	10	N/A	N/A	N/A	18.87	2.26	Extreme lean	Retain	N/A	29%

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
25	*Thuja occidentalis* (Eastern White Cedar)	Good	17	N/A	N/A	N/A	N/A	17.00	2.04	N/A	Remove	Dead/Poor Condition	18%
26	*Thuja occidentalis* (Eastern White Cedar)	Dead	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Retain	N/A	1%
27	*Thuja occidentalis* (Eastern White Cedar)	Fair	16	10	N/A	N/A	N/A	18.87	2.26	N/A	Retain	N/A	13%
28	*Thuja occidentalis* (Eastern White Cedar)	Good	24	N/A	N/A	N/A	N/A	24.00	2.88	N/A	Retain	N/A	11%
29	*Thuja occidentalis* (Eastern White Cedar)	Fair	19	11	N/A	N/A	N/A	21.95	2.63	N/A	Remove	Dead/Poor Condition	N/A
30	*Thuja occidentalis* (Eastern White Cedar)	Poor	10	N/A	N/A	N/A	N/A	10.00	1.20	N/A	Retain	N/A	N/A
31	*Thuja occidentalis* (Eastern White Cedar)	Fair	24	14	N/A	N/A	N/A	27.78	3.33	N/A	Retain	N/A	N/A
32	*Acer negundo* (Manitoba Maple)	Good	12	12	11	N/A	N/A	20.22	2.43	N/A	Retain	N/A	N/A
33	*Thuja occidentalis* (Eastern White Cedar)	Fair	16	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Retain	N/A	N/A
34	*Juglans nigra* (Black Walnut)	Good	32	N/A	N/A	N/A	N/A	32.00	3.84	N/A	Retain	N/A	N/A
35	*Acer negundo* (Manitoba Maple)	Good	19	18	12	N/A	N/A	28.79	3.46	N/A	Retain	N/A	N/A
36	*Thuja occidentalis* (Eastern White Cedar)	Good	22	12	N/A	N/A	N/A	25.06	3.01	N/A	Remove	Dead/Poor Condition	N/A
37	*Thuja occidentalis* (Eastern White Cedar)	Dead	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	N/A
38	*Thuja occidentalis* (Eastern White Cedar)	Fair	18	N/A	N/A	N/A	N/A	18.00	2.16	N/A	Retain	N/A	N/A
39	*Thuja occidentalis* (Eastern White Cedar)	Good	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Retain	N/A	N/A
40	*Thuja occidentalis* (Eastern White Cedar)	Fair	21	N/A	N/A	N/A	N/A	21.00	2.52	N/A	Retain	N/A	N/A
42	*Thuja occidentalis* (Eastern White Cedar)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Retain	N/A	N/A
43	*Thuja occidentalis* (Eastern White Cedar)	Good	19	N/A	N/A	N/A	N/A	19.00	2.28	N/A	Retain	N/A	N/A
44	*Thuja occidentalis* (Eastern White Cedar)	Fair	17	17	N/A	N/A	N/A	24.04	2.88	N/A	Retain	N/A	N/A
45	*Thuja occidentalis* (Eastern White Cedar)	Good	21	N/A	N/A	N/A	N/A	21.00	2.52	N/A	Retain	N/A	N/A
46	*Thuja occidentalis* (Eastern White Cedar)	Good	20	16	N/A	N/A	N/A	25.61	3.07	N/A	Retain	N/A	N/A

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
47	*Thuja occidentalis* (Eastern White Cedar)	Good	16	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Retain	N/A	N/A
48	*Thuja occidentalis* (Eastern White Cedar)	Good	19	N/A	N/A	N/A	N/A	19.00	2.28	N/A	Retain	N/A	N/A
49	*Thuja occidentalis* (Eastern White Cedar)	Good	16	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Retain	N/A	N/A
50	*Juglans nigra* (Black Walnut)	Good	21	N/A	N/A	N/A	N/A	21.00	2.52	N/A	Retain	N/A	N/A
51	*Juglans nigra* (Black Walnut)	Good	23	N/A	N/A	N/A	N/A	23.00	2.76	N/A	Retain	N/A	N/A
51	*Juglans nigra* (Black Walnut)	Good	27	N/A	N/A	N/A	N/A	27.00	3.24	N/A	Retain	N/A	N/A
53	*Acer negundo* (Manitoba Maple)	Good	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Retain	N/A	N/A
54	*Acer negundo* (Manitoba Maple)	Good	23	12	10	N/A	N/A	27.80	3.34	N/A	Retain	N/A	N/A
55	*Acer negundo* (Manitoba Maple)	Good	34	29	27	N/A	N/A	52.21	6.27	N/A	Remove	Tree in Development Area	63%
57	*Acer negundo* (Manitoba Maple)	Fair	28	N/A	N/A	N/A	N/A	28.00	3.36	N/A	Remove	Tree in Development Area	100%
58	*Acer negundo* (Manitoba Maple)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	100%
59	*Acer negundo* (Manitoba Maple)	Good	20	N/A	N/A	N/A	N/A	20.00	2.40	N/A	Remove	Tree in Development Area	100%
60	*Acer negundo* (Manitoba Maple)	Good	20	N/A	N/A	N/A	N/A	20.00	2.40	N/A	Remove	Tree in Development Area	100%
61	*Acer negundo* (Manitoba Maple)	Good	22	N/A	N/A	N/A	N/A	22.00	2.64	N/A	Remove	Tree in Development Area	100%
62	*Acer negundo* (Manitoba Maple)	Good	12	12	N/A	N/A	N/A	16.97	2.04	N/A	Remove	Tree in Development Area	100%
63	*Acer negundo* (Manitoba Maple)	Good	20	19	16	N/A	N/A	31.89	3.83	N/A	Remove	Tree in Development Area	100%
64	*Ulmus americana* (American Elm)	Fair	16	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Remove	Tree in Development Area	100%
65	*Ulmus americana* (American Elm)	Good	29	21	18	N/A	N/A	40.07	4.81	N/A	Remove	Tree in Development Area	100%
66	*Juglans nigra* (Black Walnut)	Good	14	13	N/A	N/A	N/A	19.10	2.29	N/A	Remove	Tree in Development Area	100%
67	*Juglans nigra* (Black Walnut)	Good	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Remove	Tree in Development Area	100%
68	*Juglans nigra* (Black Walnut)	Good	17	N/A	N/A	N/A	N/A	17.00	2.04	N/A	Remove	Tree in Development Area	100%
69	*Juglans nigra* (Black Walnut)	Good	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Remove	Tree in Development Area	100%
70	*Acer negundo* (Manitoba Maple)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	100%
71	*Acer negundo* (Manitoba Maple)	Good	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Remove	Tree in Development Area	96%
72	*Acer negundo* (Manitoba Maple)	Good	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Tree in Development Area	64%
73	*Acer negundo* (Manitoba Maple)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Tree in Development Area	89%
74	*Acer saccharinum* (Silver Maple)	Good	54	40	25	13	N/A	72.87	8.74	N/A	Remove	Tree in Development Area	80%
75	*Acer saccharinum* (Silver Maple)	Good	51	N/A	N/A	N/A	N/A	51.00	6.12	N/A	Remove	Tree in Development Area	96%
76	*Acer negundo* (Manitoba Maple)	Good	23	N/A	N/A	N/A	N/A	23.00	2.76	N/A	Remove	Tree in Development Area	100%

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
77	*Juglans nigra* (Black Walnut)	Poor	13	N/A	N/A	N/A	N/A	13.00	1.56	Heavy lean into feature	Remove	Tree in Development Area	100%
78	*Tilia americana* (American Basswood)	Good	30	18	N/A	N/A	N/A	34.99	4.20	N/A	Remove	Dead/Poor Condition	100%
79	*Pyrus calleryana* (Callery Pear)	Fair	29	N/A	N/A	N/A	N/A	29.00	3.48	N/A	Retain	N/A	1%
80	*Tilia americana* (American Basswood)	Good	23	N/A	N/A	N/A	N/A	23.00	2.76	N/A	Remove	Tree in Development Area	32%
81	*Tilia americana* (American Basswood)	Good	17	12	N/A	N/A	N/A	20.81	2.50	N/A	Remove	Tree in Development Area	71%
82	*Acer saccharinum* (Silver Maple)	Fair	22	N/A	N/A	N/A	N/A	22.00	2.64	N/A	Remove	Tree in Development Area	82%
83	*Carya ovata* (Shagbark Hickory)	Good	18	N/A	N/A	N/A	N/A	18.00	2.16	N/A	Remove	Tree in Development Area	70%
84	*Acer saccharinum* (Silver Maple)	Fair	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	69%
85	*Acer saccharinum* (Silver Maple)	Good	20	N/A	N/A	N/A	N/A	20.00	2.40	N/A	Remove	Hazard Tree	95%
86	*Acer negundo* (Manitoba Maple)	Good	24	N/A	N/A	N/A	N/A	24.00	2.88	N/A	Remove	Tree in Development Area	72%
86	*Ulmus americana* (American Elm)	Fair	24	N/A	N/A	N/A	N/A	24.00	2.88	N/A	Remove	Hazard Tree	52%
87	*Acer saccharinum* (Silver Maple)	Good	14	11	N/A	N/A	N/A	17.80	2.14	N/A	Remove	Tree in Development Area	82%
88	*Acer saccharinum* (Silver Maple)	Good	10	N/A	N/A	N/A	N/A	10.00	1.20	N/A	Remove	Tree in Development Area	100%
89	*Acer saccharinum* (Silver Maple)	Good	38	32	26	22	N/A	60.23	7.23	N/A	Remove	Tree in Development Area	57%
90	*Acer negundo* (Manitoba Maple)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Tree in Development Area	99%
91	*Acer saccharinum* (Silver Maple)	Good	30	N/A	N/A	N/A	N/A	30.00	3.60	N/A	Remove	Tree in Development Area	69%
92	*Fraxinus pennsylvanica* (Green Ash)	Fair	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Tree in Development Area	75%
93	*Acer saccharinum* (Silver Maple)	Good	39	N/A	N/A	N/A	N/A	39.00	4.68	N/A	Remove	Tree in Development Area	69%
94	*Acer saccharinum* (Silver Maple)	Good	26	24	22	13	N/A	43.65	5.24	N/A	Remove	Tree in Development Area	63%
95	*Populus tremuloides* (Trembling Aspen)	Good	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Remove	Tree in Development Area	100%
96	*Acer negundo* (Manitoba Maple)	Good	21	17	15	14	N/A	33.93	4.07	N/A	Remove	Tree in Development Area	100%
97	*Populus tremuloides* (Trembling Aspen)	Good	16	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Remove	Tree in Development Area	100%
98	*Populus tremuloides* (Trembling Aspen)	Good	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Tree in Development Area	100%
99	*Populus tremuloides* (Trembling Aspen)	Good	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Tree in Development Area	100%
100	*Populus tremuloides* (Trembling Aspen)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	100%
101	*Populus tremuloides* (Trembling Aspen)	Good	16	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Remove	Tree in Development Area	100%

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
102	*Populus tremuloides* (Trembling Aspen)	Good	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Remove	Tree in Development Area	100%
103	*Populus tremuloides* (Trembling Aspen)	Good	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Tree in Development Area	100%
104	*Populus tremuloides* (Trembling Aspen)	Good	17	N/A	N/A	N/A	N/A	17.00	2.04	N/A	Remove	Tree in Development Area	100%
105	*Populus tremuloides* (Trembling Aspen)	Fair	10	N/A	N/A	N/A	N/A	10.00	1.20	N/A	Remove	Tree in Development Area	100%
106	*Populus tremuloides* (Trembling Aspen)	Good	18	N/A	N/A	N/A	N/A	18.00	2.16	N/A	Remove	Tree in Development Area	100%
107	*Populus tremuloides* (Trembling Aspen)	Fair	20	16	14	N/A	N/A	29.19	3.50	Two stems dead, one stem fair	Remove	Tree in Development Area	100%
108	*Populus tremuloides* (Trembling Aspen)	Fair	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Tree in Development Area	100%
109	*Populus tremuloides* (Trembling Aspen)	Poor	16	15	N/A	N/A	N/A	21.93	2.63	N/A	Remove	Dead/Poor Condition	100%
110	*Populus tremuloides* (Trembling Aspen)	Dead	17	N/A	N/A	N/A	N/A	17.00	2.04	N/A	Remove	Dead/Poor Condition	100%
111	*Populus tremuloides* (Trembling Aspen)	Fair	27	N/A	N/A	N/A	N/A	27.00	3.24	N/A	Remove	Tree in Development Area	100%
112	*Juglans nigra* (Black Walnut)	Good	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Tree in Development Area	100%
113	*Acer negundo* (Manitoba Maple)	Good	10	N/A	N/A	N/A	N/A	10.00	1.20	N/A	Remove	Tree in Development Area	100%
114	*Populus tremuloides* (Trembling Aspen)	Fair	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Remove	Tree in Development Area	100%
115	*Acer negundo* (Manitoba Maple)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Tree in Development Area	100%
116	*Populus tremuloides* (Trembling Aspen)	Fair	32	N/A	N/A	N/A	N/A	32.00	3.84	N/A	Remove	Tree in Development Area	100%
117	*Populus tremuloides* (Trembling Aspen)	Fair	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	100%
118	*Acer negundo* (Manitoba Maple)	Good	14	13	N/A	N/A	N/A	19.10	2.29	N/A	Remove	Tree in Development Area	100%
119	*Populus tremuloides* (Trembling Aspen)	Dead	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Remove	Dead/Poor Condition	100%
120	*Populus tremuloides* (Trembling Aspen)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Tree in Development Area	100%
121	*Populus tremuloides* (Trembling Aspen)	Fair	32	N/A	N/A	N/A	N/A	32.00	3.84	N/A	Remove	Tree in Development Area	100%
122	*Populus tremuloides* (Trembling Aspen)	Good	17	N/A	N/A	N/A	N/A	17.00	2.04	N/A	Remove	Tree in Development Area	100%
123	*Populus tremuloides* (Trembling Aspen)	Fair	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Hazard Tree	100%

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
124	*Populus tremuloides* (Trembling Aspen)	Fair	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	100%
125	*Populus tremuloides* (Trembling Aspen)	Poor	21	19	17	N/A	N/A	33.03	3.96	N/A	Remove	Hazard Tree	100%
126	*Populus tremuloides* (Trembling Aspen)	Fair	22	N/A	N/A	N/A	N/A	22.00	2.64	N/A	Remove	Tree in Development Area	100%
127	*Populus tremuloides* (Trembling Aspen)	Fair	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Remove	Tree in Development Area	100%
128	*Populus tremuloides* (Trembling Aspen)	Fair	19	N/A	N/A	N/A	N/A	19.00	2.28	N/A	Remove	Tree in Development Area	100%
129	*Populus tremuloides* (Trembling Aspen)	Poor	17	N/A	N/A	N/A	N/A	17.00	2.04	N/A	Remove	Hazard Tree	100%
130	*Populus tremuloides* (Trembling Aspen)	Fair	19	N/A	N/A	N/A	N/A	19.00	2.28	N/A	Remove	Tree in Development Area	100%
131	*Populus tremuloides* (Trembling Aspen)	Fair	16	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Remove	Tree in Development Area	100%
132	*Populus tremuloides* (Trembling Aspen)	Fair	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Remove	Tree in Development Area	100%
133	*Populus tremuloides* (Trembling Aspen)	Poor	21	N/A	N/A	N/A	N/A	21.00	2.52	Heavy lean into feature	Remove	Dead/Poor Condition	100%
134	*Populus tremuloides* (Trembling Aspen)	Fair	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	100%
135	*Populus tremuloides* (Trembling Aspen)	Dead	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Dead/Poor Condition	100%
136	*Populus tremuloides* (Trembling Aspen)	Fair	16	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Remove	Tree in Development Area	100%
137	*Populus tremuloides* (Trembling Aspen)	Dead	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Dead/Poor Condition	100%
138	*Populus tremuloides* (Trembling Aspen)	Fair	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Tree in Development Area	100%
139	*Populus tremuloides* (Trembling Aspen)	Dead	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Dead/Poor Condition	100%
140	*Acer negundo* (Manitoba Maple)	Fair	42	N/A	N/A	N/A	N/A	42.00	5.04	N/A	Remove	Tree in Development Area	64%
141	*Salix matsudana* (Corkscrew Willow)	Good	45	N/A	N/A	N/A	N/A	45.00	5.40	N/A	Remove	Tree in Development Area	100%
142	*Acer platanoides* (Norway Maple)	Good	16	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Remove	Tree in Development Area	100%
143	*Catalpa speciosa* (Northern Catalpa)	Good	19	N/A	N/A	N/A	N/A	19.00	2.28	N/A	Remove	Tree in Development Area	96%
144	*Catalpa speciosa* (Northern Catalpa)	Good	17	N/A	N/A	N/A	N/A	17.00	2.04	N/A	Remove	Tree in Development Area	97%

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
145	*Acer negundo* (Manitoba Maple)	Good	35	N/A	N/A	N/A	N/A	35.00	4.20	N/A	Remove	Tree in Development Area	80%
146	*Catalpa speciosa* (Northern Catalpa)	Good	17	N/A	N/A	N/A	N/A	17.00	2.04	N/A	Remove	Tree in Development Area	95%
147	*Picea abies* (Norway Spruce)	Good	28	N/A	N/A	N/A	N/A	28.00	3.36	N/A	Remove	Tree in Development Area	100%
148	*Picea abies* (Norway Spruce)	Good	28	N/A	N/A	N/A	N/A	28.00	3.36	N/A	Remove	Tree in Development Area	100%
149	*Picea abies* (Norway Spruce)	Good	24	N/A	N/A	N/A	N/A	24.00	2.88	N/A	Remove	Tree in Development Area	100%
150	*Picea abies* (Norway Spruce)	Good	24	N/A	N/A	N/A	N/A	24.00	2.88	N/A	Remove	Tree in Development Area	100%
151	*Picea abies* (Norway Spruce)	Good	28	N/A	N/A	N/A	N/A	28.00	3.36	N/A	Remove	Tree in Development Area	100%
152	*Picea abies* (Norway Spruce)	Good	28	N/A	N/A	N/A	N/A	28.00	3.36	N/A	Remove	Tree in Development Area	100%
153	*Crataegus sp.* (Hawthorn sp.)	Good	18	N/A	N/A	N/A	N/A	18.00	2.16	N/A	Remove	Tree in Development Area	100%
154	*Juglans nigra* (Black Walnut)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	100%
155	*Robinia pseudoacacia* (Black Locust)	Good	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Tree in Development Area	100%
156	*Juglans nigra* (Black Walnut)	Good	18	N/A	N/A	N/A	N/A	18.00	2.16	N/A	Remove	Tree in Development Area	100%
157	*Ulmus americana* (American Elm)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	100%
158	*Acer negundo* (Manitoba Maple)	Poor	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Dead/Poor Condition	100%
159	*Ulmus americana* (American Elm)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Tree in Development Area	100%
160	*Ulmus americana* (American Elm)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Tree in Development Area	100%
161	*Acer saccharinum* (Silver Maple)	Good	55	36	34	27	11	79.54	9.55	N/A	Remove	Tree in Development Area	100%
162	*Acer negundo* (Manitoba Maple)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	100%
163	*Acer negundo* (Manitoba Maple)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Tree in Development Area	100%
164	*Juglans nigra* (Black Walnut)	Good	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Retain	N/A	N/A
165	*Juglans nigra* (Black Walnut)	Good	19	18	18	15	N/A	35.13	4.22	N/A	Remove	Tree in Development Area	99%
166	*Acer negundo* (Manitoba Maple)	Good	17	15	11	N/A	N/A	25.20	3.02	N/A	Retain	N/A	N/A
167	*Acer negundo* (Manitoba Maple)	Good	18	14	N/A	N/A	N/A	22.80	2.74	N/A	Retain	N/A	N/A
168	*Acer negundo* (Manitoba Maple)	Good	19	N/A	N/A	N/A	N/A	19.00	2.28	N/A	Retain	N/A	N/A
169	*Acer negundo* (Manitoba Maple)	Good	32	19	18	N/A	N/A	41.34	4.96	N/A	Retain	N/A	N/A
170	*Acer negundo* (Manitoba Maple)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Retain	N/A	N/A
171	*Acer negundo* (Manitoba Maple)	Good	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Retain	N/A	N/A
172	*Acer negundo* (Manitoba Maple)	Good	18	N/A	N/A	N/A	N/A	18.00	2.16	N/A	Retain	N/A	N/A
173	*Acer negundo* (Manitoba Maple)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	N/A

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
174	*Acer negundo* (Manitoba Maple)	Good	80	N/A	N/A	N/A	N/A	80.00	9.60	N/A	Retain	N/A	N/A
175	*Juglans nigra* (Black Walnut)	Good	36	N/A	N/A	N/A	N/A	36.00	4.32	N/A	Remove	Tree in Development Area	93%
176	*Quercus macrocarpa* (Bur Oak)	Fair	29	N/A	N/A	N/A	N/A	29.00	3.48	Impacted by Gypsy Moth	Remove	Tree in Development Area	95%
177	*Juglans nigra* (Black Walnut)	Good	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Remove	Greater than 35% of CRZ within Development Area	37%
178	*Juglans nigra* (Black Walnut)	Good	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Remove	Tree in Development Area	100%
179	*Ulmus americana* (American Elm)	Dead	19	N/A	N/A	N/A	N/A	19.00	2.28	N/A	Remove	Dead/Poor Condition	73%
180	*Acer negundo* (Manitoba Maple)	Fair	19	N/A	N/A	N/A	N/A	19.00	2.28	N/A	Remove	Tree in Development Area	88%
181	*Juglans nigra* (Black Walnut)	Good	39	N/A	N/A	N/A	N/A	39.00	4.68	N/A	Remove	Tree in Development Area	67%
182	*Juglans nigra* (Black Walnut)	Good	21	N/A	N/A	N/A	N/A	21.00	2.52	N/A	Remove	Tree in Development Area	96%
183	*Acer negundo* (Manitoba Maple)	Fair	24	20	19	N/A	N/A	36.57	4.39	N/A	Remove	Tree in Development Area	87%
184	*Quercus macrocarpa* (Bur Oak)	Fair	11	N/A	N/A	N/A	N/A	11.00	1.32	Impacted by Gypsy Moth	Remove	Tree in Development Area	100%
185	*Juglans nigra* (Black Walnut)	Good	53	N/A	N/A	N/A	N/A	53.00	6.36	N/A	Remove	Tree in Development Area	73%
186	*Juglans nigra* (Black Walnut)	Good	35	N/A	N/A	N/A	N/A	35.00	4.20	N/A	Remove	Tree in Development Area	99%
187	*Juglans nigra* (Black Walnut)	Good	34	N/A	N/A	N/A	N/A	34.00	4.08	N/A	Remove	Tree in Development Area	100%
188	*Juglans nigra* (Black Walnut)	Good	42	N/A	N/A	N/A	N/A	42.00	5.04	N/A	Remove	Tree in Development Area	100%
189	*Juglans nigra* (Black Walnut)	Good	49	N/A	N/A	N/A	N/A	49.00	5.88	N/A	Remove	Tree in Development Area	100%
190	*Tilia americana* (American Basswood)	Good	22	N/A	N/A	N/A	N/A	20.00	2.40	N/A	Remove	Tree in Development Area	100%
191	*Tilia americana* (American Basswood)	Good	23	N/A	N/A	N/A	N/A	22.00	2.64	N/A	Remove	Tree in Development Area	100%
192	*Tilia americana* (American Basswood)	Good	22	N/A	N/A	N/A	N/A	23.00	2.76	N/A	Remove	Tree in Development Area	100%
193	*Juglans nigra* (Black Walnut)	Good	47	N/A	N/A	N/A	N/A	22.00	2.64	N/A	Remove	Tree in Development Area	87%
194	*Tilia americana* (American Basswood)	Good	15	N/A	N/A	N/A	N/A	47.00	5.64	N/A	Remove	Tree in Development Area	100%
195	*Tilia americana* (American Basswood)	Fair	37	N/A	N/A	N/A	N/A	15.00	1.80	Hollow	Remove	Hazard Tree	100%
196	*Tilia americana* (American Basswood)	Good	13	N/A	N/A	N/A	N/A	37.00	4.44	N/A	Remove	Tree in Development Area	100%
197	*Tilia americana* (American Basswood)	Good	17	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Tree in Development Area	57%
198	*Tilia americana* (American Basswood)	Good	25	N/A	N/A	N/A	N/A	17.00	2.04	N/A	Remove	Tree in Development Area	96%
199	*Tilia americana* (American Basswood)	Good	35	N/A	N/A	N/A	N/A	25.00	3.00	N/A	Remove	Tree in Development Area	99%

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
200	*Juglans nigra* (Black Walnut)	Fair	35	N/A	N/A	N/A	N/A	35.00	4.20	N/A	Remove	Tree in Development Area	86%
201	*Juglans nigra* (Black Walnut)	Good	45	N/A	N/A	N/A	N/A	35.00	4.20	N/A	Remove	Tree in Development Area	88%
202	*Juglans nigra* (Black Walnut)	Fair	56	N/A	N/A	N/A	N/A	45.00	5.40	N/A	Remove	Hazard Tree	96%
203	*Larix decidua* (European Larch)	Good	25	N/A	N/A	N/A	N/A	56.00	6.72	N/A	Retain	N/A	N/A
204	*Crataegus sp.* (Hawthorn sp.)	Good	12	N/A	N/A	N/A	N/A	25.00	3.00	N/A	Retain	N/A	N/A
205	*Malus pumila* (Common Apple)	Poor	35	33	17	N/A	N/A	12.00	1.44	N/A	Remove	Dead/Poor Condition	81%
206	*Juglans nigra* (Black Walnut)	Good	20	N/A	N/A	N/A	N/A	51.02	6.12	N/A	Remove	Tree in Development Area	69%
207	*Acer saccharinum* (Silver Maple)	Good	19	N/A	N/A	N/A	N/A	20.00	2.40	N/A	Retain	N/A	3%
208	*Carya ovata* (Shagbark Hickory)	Good	22	N/A	N/A	N/A	N/A	19.00	2.28	N/A	Remove	Tree in Development Area	75%
209	*Carya ovata* (Shagbark Hickory)	Fair	15	N/A	N/A	N/A	N/A	22.00	2.64	N/A	Retain	N/A	N/A
210	*Tilia americana* (American Basswood)	Good	25	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Retain	N/A	N/A
211	*Tilia americana* (American Basswood)	Good	13	N/A	N/A	N/A	N/A	25.00	3.00	N/A	Retain	N/A	N/A
212	*Tilia americana* (American Basswood)	Good	20	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Retain	N/A	N/A
213	*Carya ovata* (Shagbark Hickory)	Good	15	N/A	N/A	N/A	N/A	20.00	2.40	N/A	Remove	Greater than 35% of CRZ within Development Area	48%
214	*Carya ovata* (Shagbark Hickory)	Fair	21	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	83%
215	*Ulmus americana* (American Elm)	Fair	18	N/A	N/A	N/A	N/A	21.00	2.52	N/A	Remove	Tree in Development Area	100%
216	*Acer saccharinum* (Silver Maple)	Fair	18	13	N/A	N/A	N/A	18.00	2.16	One stem dead and fallen	Remove	Tree in Development Area	100%
217	*Carya ovata* (Shagbark Hickory)	Good	18	N/A	N/A	N/A	N/A	22.20	2.66	N/A	Remove	Tree in Development Area	100%
218	*Juglans nigra* (Black Walnut)	Fair	16	N/A	N/A	N/A	N/A	18.00	2.16	N/A	Remove	Tree in Development Area	100%
219	*Carya ovata* (Shagbark Hickory)	Fair	16	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Remove	Tree in Development Area	100%
220	*Carya ovata* (Shagbark Hickory)	Fair	12	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Retain	N/A	N/A
221	*Tilia americana* (American Basswood)	Good	70	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	24%
222	*Carya ovata* (Shagbark Hickory)	Fair	12	N/A	N/A	N/A	N/A	70.00	8.40	N/A	Retain	N/A	N/A
223	*Carya ovata* (Shagbark Hickory)	Good	18	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	N/A
224	*Tilia americana* (American Basswood)	Good	19	N/A	N/A	N/A	N/A	18.00	2.16	N/A	Retain	N/A	5%
225	*Populus tremuloides* (Trembling Aspen)	Good	14	N/A	N/A	N/A	N/A	19.00	2.28	N/A	Retain	N/A	N/A
226	*Populus tremuloides* (Trembling Aspen)	Fair	22	22	N/A	N/A	N/A	14.00	1.68	N/A	Remove	Hazard Tree	77%

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
227	*Populus tremuloides* (Trembling Aspen)	Fair	15	N/A	N/A	N/A	N/A	31.11	3.73	N/A	Remove	Tree in Development Area	100%
228	*Populus tremuloides* (Trembling Aspen)	Good	13	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Retain	N/A	N/A
229	*Fraxinus pennsylvanica* (Green Ash)	Dead	16	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Hazard Tree	N/A
230	*Populus tremuloides* (Trembling Aspen)	Fair	15	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Remove	Hazard Tree	75%
231	*Juglans nigra* (Black Walnut)	Good	20	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Tree in Development Area	100%
232	*Tilia americana* (American Basswood)	Good	20	N/A	N/A	N/A	N/A	20.00	2.40	N/A	Remove	Tree in Development Area	100%
1001	*Pinus strobus* (Eastern White Pine)	Fair	35	N/A	N/A	N/A	N/A	35.00	4.20	N/A	Retain	N/A	N/A
1002	*Pinus strobus* (Eastern White Pine)	Fair	55	N/A	N/A	N/A	N/A	55.00	6.60	N/A	Remove	Hazard Tree	17%
1003	*Thuja occidentalis* (Eastern White Cedar)	Good	25	25	12	N/A	N/A	37.34	4.48	N/A	Retain	N/A	27%
1004	*Thuja occidentalis* (Eastern White Cedar)	Good	15	12	N/A	N/A	N/A	19.21	2.31	N/A	Retain	N/A	6%
1005	*Thuja occidentalis* (Eastern White Cedar)	Good	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Retain	N/A	N/A
1006	*Thuja occidentalis* (Eastern White Cedar)	Good	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Retain	N/A	N/A
1007	*Thuja occidentalis* (Eastern White Cedar)	Good	14	12	N/A	N/A	N/A	18.44	2.21	N/A	Retain	N/A	7%
1008	*Thuja occidentalis* (Eastern White Cedar)	Good	16	12	11	N/A	N/A	22.83	2.74	N/A	Retain	N/A	9%
1009	*Thuja occidentalis* (Eastern White Cedar)	Good	30	N/A	N/A	N/A	N/A	30.00	3.60	N/A	Retain	N/A	9%
1010	*Thuja occidentalis* (Eastern White Cedar)	Good	25	N/A	N/A	N/A	N/A	25.00	3.00	N/A	Retain	N/A	14%
1011	*Thuja occidentalis* (Eastern White Cedar)	Good	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Retain	N/A	5%
1012	*Thuja occidentalis* (Eastern White Cedar)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	N/A
1013	*Thuja occidentalis* (Eastern White Cedar)	Good	17	14	12	N/A	N/A	25.08	3.01	N/A	Retain	N/A	6%
1014	*Thuja occidentalis* (Eastern White Cedar)	Good	17	15	N/A	N/A	N/A	22.67	2.72	N/A	Retain	N/A	11%
1015	*Thuja occidentalis* (Eastern White Cedar)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Retain	N/A	11%

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
1016	*Thuja occidentalis* (Eastern White Cedar)	Good	14	12	N/A	N/A	N/A	18.44	2.21	N/A	Retain	N/A	19%
1017	*Thuja occidentalis* (Eastern White Cedar)	Good	17	15	12	N/A	N/A	25.65	3.08	N/A	Remove	Greater than 35% of CRZ within Development Area	45%
1018	*Thuja occidentalis* (Eastern White Cedar)	Good	19	14	12	N/A	N/A	26.48	3.18	N/A	Remove	Greater than 35% of CRZ within Development Area	36%
1019	*Thuja occidentalis* (Eastern White Cedar)	Good	20	N/A	N/A	N/A	N/A	20.00	2.40	N/A	Retain	N/A	22%
1020	*Thuja occidentalis* (Eastern White Cedar)	Good	20	14	12	N/A	N/A	27.20	3.26	N/A	Retain	N/A	29%
1021	*Thuja occidentalis* (Eastern White Cedar)	Good	20	15	12	N/A	N/A	27.73	3.33	N/A	Remove	Greater than 35% of CRZ within Development Area	41%
1022	*Thuja occidentalis* (Eastern White Cedar)	Good	17	14	N/A	N/A	N/A	22.02	2.64	N/A	Retain	N/A	N/A
1023	*Thuja occidentalis* (Eastern White Cedar)	Good	20	18	18	14	13	37.59	4.51	N/A	Retain	N/A	27%
1024	*Thuja occidentalis* (Eastern White Cedar)	Good	20	15	14	N/A	N/A	28.65	3.44	N/A	Retain	N/A	11%
1025	*Thuja occidentalis* (Eastern White Cedar)	Good	13	10	N/A	N/A	N/A	16.40	1.97	N/A	Retain	N/A	11%
1026	*Thuja occidentalis* (Eastern White Cedar)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	N/A
1027	*Thuja occidentalis* (Eastern White Cedar)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Greater than 35% of CRZ within Development Area	39%
1028	*Thuja occidentalis* (Eastern White Cedar)	Good	30	30	20	N/A	N/A	46.90	5.63	N/A	Retain	N/A	34%
1029	*Thuja occidentalis* (Eastern White Cedar)	Good	25	20	N/A	N/A	N/A	32.02	3.84	N/A	Retain	N/A	23%
1030	*Thuja occidentalis* (Eastern White Cedar)	Good	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Retain	N/A	N/A
1031	*Acer negundo* (Manitoba Maple)	Good	18	0	N/A	N/A	N/A	18.00	2.16	N/A	Retain	N/A	0%
1032	*Thuja occidentalis* (Eastern White Cedar)	Good	10	N/A	N/A	N/A	N/A	10.00	1.20	N/A	Retain	N/A	7%
1033	*Thuja occidentalis* (Eastern White Cedar)	Good	10	10	N/A	N/A	N/A	14.14	1.70	N/A	Remove	Tree in Development Area	55%
1034	*Thuja occidentalis* (Eastern White Cedar)	Good	19	15	N/A	N/A	N/A	24.21	2.90	N/A	Retain	N/A	25%
1035	*Catalpa speciosa* (Northern Catalpa)	Good	60	N/A	N/A	N/A	N/A	60.00	7.20	N/A	Remove	Greater than 35% of CRZ within Development Area	43%
1036	*Catalpa speciosa* (Northern Catalpa)	Good	75	50	N/A	N/A	N/A	90.14	10.82	N/A	Remove	Greater than 35% of CRZ within Development Area	42%

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
1037	*Tilia cordata* (Little-leaf Linden)	Good	35	N/A	N/A	N/A	N/A	35.00	4.20	N/A	Retain	N/A	N/A
1038	*Picea pungens* (Blue Spruce)	Good	25	N/A	N/A	N/A	N/A	25.00	3.00	N/A	Retain	N/A	30%
1039	*Picea pungens* (Blue Spruce)	Good	30	N/A	N/A	N/A	N/A	30.00	3.60	N/A	Retain	N/A	2%
1040	*Picea pungens* (Blue Spruce)	Good	25	N/A	N/A	N/A	N/A	25.00	3.00	N/A	Retain	N/A	12%
1041	*Crataegus sp. (Hawthorn sp.)*	Good	15	14	12	12	11	28.81	3.46	N/A	Remove	Greater than 35% of CRZ within Development Area	47%
1042	*Crataegus sp.* (Hawthorn sp.)	Good	20	N/A	N/A	N/A	N/A	20.00	2.40	N/A	Remove	Greater than 35% of CRZ within Development Area	37%
1043	*Crataegus sp.* (Hawthorn sp.)	Good	19	14	N/A	N/A	N/A	23.60	2.83	N/A	Remove	Greater than 35% of CRZ within Development Area	41%
1044	*Acer platanoides* (Norway Maple)	Good	18	N/A	N/A	N/A	N/A	18.00	2.16	N/A	Retain	N/A	23%
1045	*Acer platanoides* (Norway Maple)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Retain	N/A	21%
1046	*Acer platanoides* (Norway Maple)	Good	20	N/A	N/A	N/A	N/A	20.00	2.40	N/A	Retain	N/A	24%
1047	*Acer platanoides* (Norway Maple)	Good	20	N/A	N/A	N/A	N/A	20.00	2.40	N/A	Retain	N/A	27%
1048	*Acer platanoides* (Norway Maple)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Retain	N/A	21%
1049	*Acer platanoides* (Norway Maple)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Retain	N/A	31%
1050	*Acer platanoides* (Norway Maple)	Good	10	N/A	N/A	N/A	N/A	10.00	1.20	N/A	Retain	N/A	N/A
1051	*Tilia americana* (American Basswood)	Good	15	10	N/A	N/A	N/A	18.03	2.16	N/A	Retain	N/A	N/A
1052	*Acer saccharinum* (Silver Maple)	Good	55	50	40	30	20	91.79	11.01	N/A	Retain	N/A	1%
1053	*Quercus macrocarpa* (Bur Oak)	Fair	45	N/A	N/A	N/A	N/A	45.00	5.40	Impacted by Gypsy Moth	Remove	Greater than 35% of CRZ within Development Area	44%
1054	*Quercus macrocarpa* (Bur Oak)	Fair	27	N/A	N/A	N/A	N/A	27.00	3.24	Impacted by Gypsy Moth	Retain	N/A	21%
1055	*Ulmus americana* (American Elm)	Poor	14	10	N/A	N/A	N/A	17.20	2.06	Heavy lean into property	Remove	Dead/Poor Condition	29%
1056	*Juglans nigra* (Black Walnut)	Good	35	N/A	N/A	N/A	N/A	35.00	4.20	N/A	Retain	N/A	17%
1057	*Acer negundo* (Manitoba Maple)	Good	17	12	N/A	N/A	N/A	20.81	2.50	N/A	Retain	N/A	12%
1058	*Acer* negundo (Manitoba Maple)	Good	26	N/A	N/A	N/A	N/A	26.00	3.12	N/A	Retain	N/A	34%
1059	*Juglans nigra* (Black Walnut)	Good	22	N/A	N/A	N/A	N/A	22.00	2.64	N/A	Remove	Tree in Development Area	59%
1060	*Juglans nigra* (Black Walnut)	Good	29	N/A	N/A	N/A	N/A	29.00	3.48	N/A	Remove	Tree in Development Area	53%
1061	*Ulmus americana* (American Elm)	Fair	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Retain	N/A	24%
1062	*Juglans nigra* (Black Walnut)	Fair	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	26%

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
1063	*Juglans nigra* (Black Walnut)	Good	36	N/A	N/A	N/A	N/A	36.00	4.32	N/A	Remove	Greater than 35% of CRZ within Development Area	49%
1064	*Juglans nigra* (Black Walnut)	Good	35	N/A	N/A	N/A	N/A	35.00	4.20	N/A	Remove	Tree in Development Area	53%
1065	*Quercus macrocarpa* (Bur Oak)	Fair	33	N/A	N/A	N/A	N/A	33.00	3.96	Impacted by Gypsy Moth	Remove	Greater than 35% of CRZ within Development Area	44%
1066	*Quercus macrocarpa* (Bur Oak)	Fair	32	N/A	N/A	N/A	N/A	32.00	3.84	Impacted by Gypsy Moth	Remove	Greater than 35% of CRZ within Development Area	36%
1067	*Quercus macrocarpa* (Bur Oak)	Fair	42	N/A	N/A	N/A	N/A	42.00	5.04	Impacted by Gypsy Moth	Remove	Greater than 35% of CRZ within Development Area	40%
1068	*Quercus macrocarpa* (Bur Oak)	Dead	26	N/A	N/A	N/A	N/A	26.00	3.12	N/A	Remove	Hazard Tree	27%
1069	*Juglans nigra* (Black Walnut)	Good	38	N/A	N/A	N/A	N/A	38.00	4.56	N/A	Retain	N/A	22%
1070	*Quercus macrocarpa* (Bur Oak)	Poor	12	N/A	N/A	N/A	N/A	12.00	1.44	Impacted by Gypsy Moth	Remove	Hazard Tree	0%
1071	*Juglans nigra* (Black Walnut)	Good	34	N/A	N/A	N/A	N/A	34.00	4.08	N/A	Retain	N/A	5%
1072	*Tilia americana* (American Basswood)	Good	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Retain	N/A	N/A
1073	*Quercus macrocarpa* (Bur Oak)	Poor	81	N/A	N/A	N/A	N/A	81.00	9.72	Impacted by Gypsy Moth	Remove	Hazard Tree	37%
1074	*Tilia americana* (American Basswood)	Good	30	N/A	N/A	N/A	N/A	30.00	3.60	N/A	Retain	N/A	24%
1075	*Tilia americana* (American Basswood)	Good	32	N/A	N/A	N/A	N/A	32.00	3.84	N/A	Retain	N/A	N/A
1076	*Juglans nigra* (Black Walnut)	Good	24	N/A	N/A	N/A	N/A	24.00	2.88	N/A	Retain	N/A	33%
1077	*Tilia americana* (American Basswood)	Good	40	N/A	N/A	N/A	N/A	40.00	4.80	N/A	Retain	N/A	N/A
1078	*Juglans nigra* (Black Walnut)	Good	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Retain	N/A	N/A
1079	*Quercus macrocarpa* (Bur Oak)	Fair	42	N/A	N/A	N/A	N/A	42.00	5.04	Impacted by Gypsy Moth	Remove	Greater than 35% of CRZ within Development Area	37%
1080	*Fraxinus pennsylvanica* (Green Ash)	Dead	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Remove	Hazard Tree	N/A
1081	*Tilia americana* (American Basswood)	Good	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Retain	N/A	N/A
1082	*Tilia americana* (American Basswood)	Good	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Retain	N/A	N/A
1083	*Quercus macrocarpa* (Bur Oak)	Fair	112	N/A	N/A	N/A	N/A	112.00	13.44	Impacted by Gypsy Moth	Remove	Greater than 35% of CRZ within Development Area	43%
1084	*Juglans nigra* (Black Walnut)	Fair	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Remove	Tree in Development Area	59%
1085	*Tilia americana* (American Basswood)	Good	30	24	N/A	N/A	N/A	38.42	4.61	N/A	Retain	N/A	11%
1086	*Tilia americana* (American Basswood)	Good	24	N/A	N/A	N/A	N/A	24.00	2.88	N/A	Remove	Tree in Development Area	84%
1087	*Juglans nigra* (Black Walnut)	Fair	23	22	N/A	N/A	N/A	31.83	3.82	N/A	Remove	Tree in Development Area	85%
1088	*Juglans nigra* (Black Walnut)	Fair	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Tree in Development Area	100%
1089	*Quercus macrocarpa* (Bur Oak)	Fair	76	N/A	N/A	N/A	N/A	76.00	9.12	Impacted by Gypsy Moth	Remove	Hazard Tree	14%

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
1090	*Quercus macrocarpa* (Bur Oak)	Dead	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Hazard Tree	N/A
1091	*Juglans nigra* (Black Walnut)	Good	48	N/A	N/A	N/A	N/A	48.00	5.76	N/A	Retain	N/A	12%
1092	*Juglans nigra* (Black Walnut)	Good	44	N/A	N/A	N/A	N/A	44.00	5.28	N/A	Retain	N/A	2%
1093	*Quercus macrocarpa* (Bur Oak)	Poor	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Hazard Tree	N/A
1094	*Quercus macrocarpa* (Bur Oak)	Dead	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Remove	Hazard Tree	N/A
1095	*Crataegus sp.* (Hawthorn sp.)	Fair	12	12	11	N/A	N/A	20.22	2.43	N/A	Remove	Tree in Development Area	57%
1096	*Quercus macrocarpa* (Bur Oak)	Good	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Remove	Tree in Development Area	53%
1097	*Crataegus sp.* (Hawthorn sp.)	Good	18	15	N/A	N/A	N/A	14.40	1.73	N/A	Retain	N/A	23%
1098	*Crataegus sp.* (Hawthorn sp.)	Fair	12	N/A	N/A	N/A	N/A	14.40	1.73	N/A	Remove	Greater than 35% of CRZ within Development Area	48%
1099	*Quercus macrocarpa* (Bur Oak)	Good	12	N/A	N/A	N/A	N/A	14.40	1.73	N/A	Remove	Tree in Development Area	100%
1100	*Crataegus sp.* (Hawthorn sp.)	Poor	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Dead/Poor Condition	100%
1101	*Crataegus sp.* (Hawthorn sp.)	Dead	18	12	N/A	N/A	N/A	21.63	2.60	N/A	Remove	Dead/Poor Condition	62%
1102	*Crataegus sp.* (Hawthorn sp.)	Poor	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Remove	Dead/Poor Condition	89%
1103	*Crataegus sp.* (Hawthorn sp.)	Dead	12	12	11	10	N/A	22.56	2.71	N/A	Remove	Dead/Poor Condition	71%
1104	*Quercus macrocarpa* (Bur Oak)	Good	17	N/A	N/A	N/A	N/A	17.00	2.04	N/A	Retain	N/A	5%
1105	*Quercus macrocarpa* (Bur Oak)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Tree in Development Area	100%
1106	*Crataegus sp.* (Hawthorn sp.)	Poor	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Dead/Poor Condition	89%
1107	*Populus tremuloides* (Trembling Aspen)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	N/A
1108	*Populus tremuloides* (Trembling Aspen)	Good	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Retain	N/A	N/A
1109	*Populus tremuloides* (Trembling Aspen)	Good	10	N/A	N/A	N/A	N/A	10.00	1.20	N/A	Retain	N/A	N/A
1110	*Crataegus sp.* (Hawthorn sp.)	Dead	10	N/A	N/A	N/A	N/A	10.00	1.20	N/A	Remove	Hazard Tree	N/A
1111	*Quercus macrocarpa* (Bur Oak)	Good	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Remove	Tree in Development Area	100%
1112	*Populus tremuloides* (Trembling Aspen)	Fair	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Remove	Tree in Development Area	89%
1113	*Populus tremuloides* (Trembling Aspen)	Good	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	21%
1114	*Populus tremuloides* (Trembling Aspen)	Fair	13	N/A	N/A	N/A	N/A	13.00	1.56	N/A	Retain	N/A	N/A
1115	*Populus tremuloides* (Trembling Aspen)	Good	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Remove	Greater than 35% of CRZ within Development Area	42%
1116	*Populus tremuloides* (Trembling Aspen)	Dead	11	N/A	N/A	N/A	N/A	11.00	1.32	N/A	Remove	Hazard Tree	N/A

Tree ID	Species Name	Condition	DBH1 (cm)	DBH2 (cm)	DBH3 (cm)	DBH4 (cm)	DBH5 (cm)	Derived DBH (cm)	CRZ Radius (m)	Notes	Action	Rationale for Removal	% of CRZ Buffer in Development Zone
1117	*Populus tremuloides* (Trembling Aspen)	Fair	10	N/A	N/A	N/A	N/A	10.00	1.20	N/A	Retain	N/A	N/A
1118	*Populus tremuloides* (Trembling Aspen)	Fair	16	N/A	N/A	N/A	N/A	16.00	1.92	N/A	Retain	N/A	N/A
1119	*Populus tremuloides* (Trembling Aspen)	Fair	21	N/A	N/A	N/A	N/A	21.00	2.52	N/A	Retain	N/A	N/A
1120	*Populus tremuloides* (Trembling Aspen)	Fair	15	N/A	N/A	N/A	N/A	15.00	1.80	N/A	Retain	N/A	N/A
1121	*Populus tremuloides* (Trembling Aspen)	Fair	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	N/A
1122	*Populus tremuloides* (Trembling Aspen)	Fair	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	N/A
1123	*Populus tremuloides* (Trembling Aspen)	Fair	12	N/A	N/A	N/A	N/A	12.00	1.44	N/A	Retain	N/A	N/A
1124	*Populus tremuloides* (Trembling Aspen)	Fair	14	N/A	N/A	N/A	N/A	14.00	1.68	N/A	Retain	N/A	N/A
1125	*Quercus macrocarpa* (Bur Oak)	Fair	60	N/A	N/A	N/A	N/A	60.00	7.20	Impacted by Gypsy Moth	Retain	N/A	N/A
1126	*Quercus macrocarpa* (Bur Oak)	Fair	88	N/A	N/A	N/A	N/A	88.00	10.56	Impacted by Gypsy Moth	Remove	Greater than 35% of CRZ within Development Area	49%
1127	*Quercus macrocarpa* (Bur Oak)	Fair	85	N/A	N/A	N/A	N/A	85.00	10.20	Impacted by Gypsy Moth	Remove	Tree in Development Area	54%
1128	*Quercus macrocarpa* (Bur Oak)	Fair	17	N/A	N/A	N/A	N/A	17.00	2.04	Impacted by Gypsy Moth	Remove	Tree in Development Area	63%
1129	*Tilia americana* (American Basswood)	Fair	55	47	30	29	16	85.04	10.20	One stem dead, evidence of rot in other stems	Remove	Hazard Tree	43%
1130	*Quercus macrocarpa* (Bur Oak)	Fair	99	N/A	N/A	N/A	N/A	99.00	11.88	Impacted by Gypsy Moth	Remove	Greater than 35% of CRZ within Development Area	40%
1131	*Tilia americana* (American Basswood)	Fair	18	16	12	N/A	N/A	26.91	3.23	N/A	Remove	Greater than 35% of CRZ within Development Area	47%
1132	*Quercus macrocarpa* (Bur Oak)	Fair	101	N/A	N/A	N/A	N/A	101.00	12.12	Impacted by Gypsy Moth	Remove	Greater than 35% of CRZ within Development Area	48%
1133	*Quercus macrocarpa* (Bur Oak)	Fair	17	N/A	N/A	N/A	N/A	17.00	2.04	Impacted by Gypsy Moth	Retain	N/A	1%
1134	*Fraxinus pennsylvanica* (Green Ash)	Dead	20	17	N/A	N/A	N/A	26.25	3.15	N/A	Remove	Hazard Tree	N/A
1135	*Catalpa speciosa* (Northern Catalpa)	Good	20	N/A	N/A	N/A	N/A	20.00	2.40	N/A	Retain	N/A	N/A
1136	*Catalpa speciosa* (Northern Catalpa)	Good	55	N/A	N/A	N/A	N/A	55.00	6.60	N/A	Retain	N/A	N/A

Appendix C

Photo Plate

Photo Description	Photo
Photo 1: Site Parking Lot; facing southwest towards Trafalger Road September 21, 2021	
Photo 2: Site Parking Lot; facing southwest towards Trafalger Road September 21, 2021	

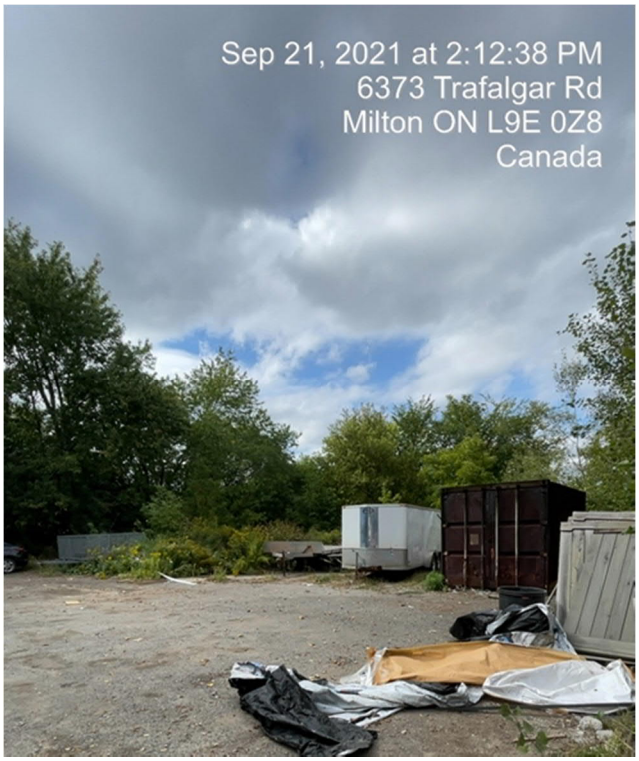
Photo Description	Photo
Photo 3: Trembling Aspen trees bordering parking lot, facing north September 21, 2021	
Photo 4: Site Parking Lot, facing west September 21, 2021	

Photo Description	Photo
Photo 5: Trees bordering site parking lot and adjacent **residential lot, facing** south September 21, 2021	
Photo 6: Agricultural **fi**eld (planted with corn) northeast of parking lot September 21, 2021	

Photo Description	Photo
Photo 7: Young Manitoba Maple trees and thicket within woodlot northest of Trafalger Road September 23, 2021	
Photo 8: Young Blakc Walnut trees and thicket within woodlot northest of Trafalger Road September 23, 2021	

Photo Description	Photo
Photo 9: Manitoba Maple cluster in the distance, including trees 167 -174 September 23, 2021	
Photo 10: Meadow bordering agricultural, facing northeast (located on the northwest border of the limit of development) September 23, 2021	

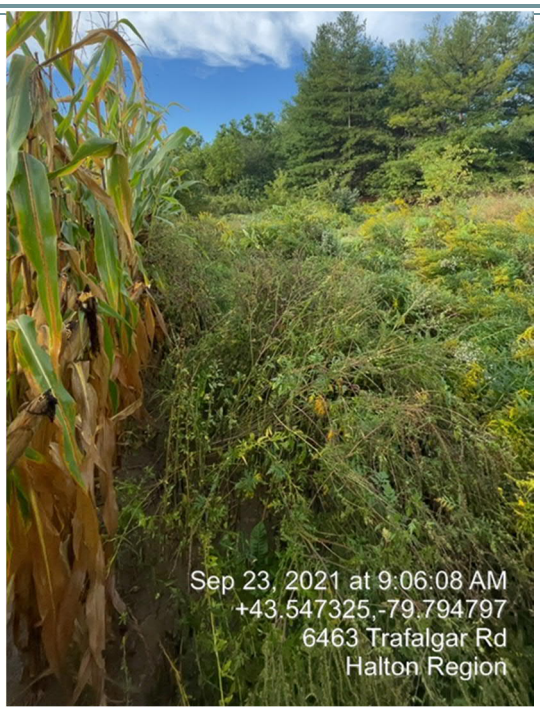
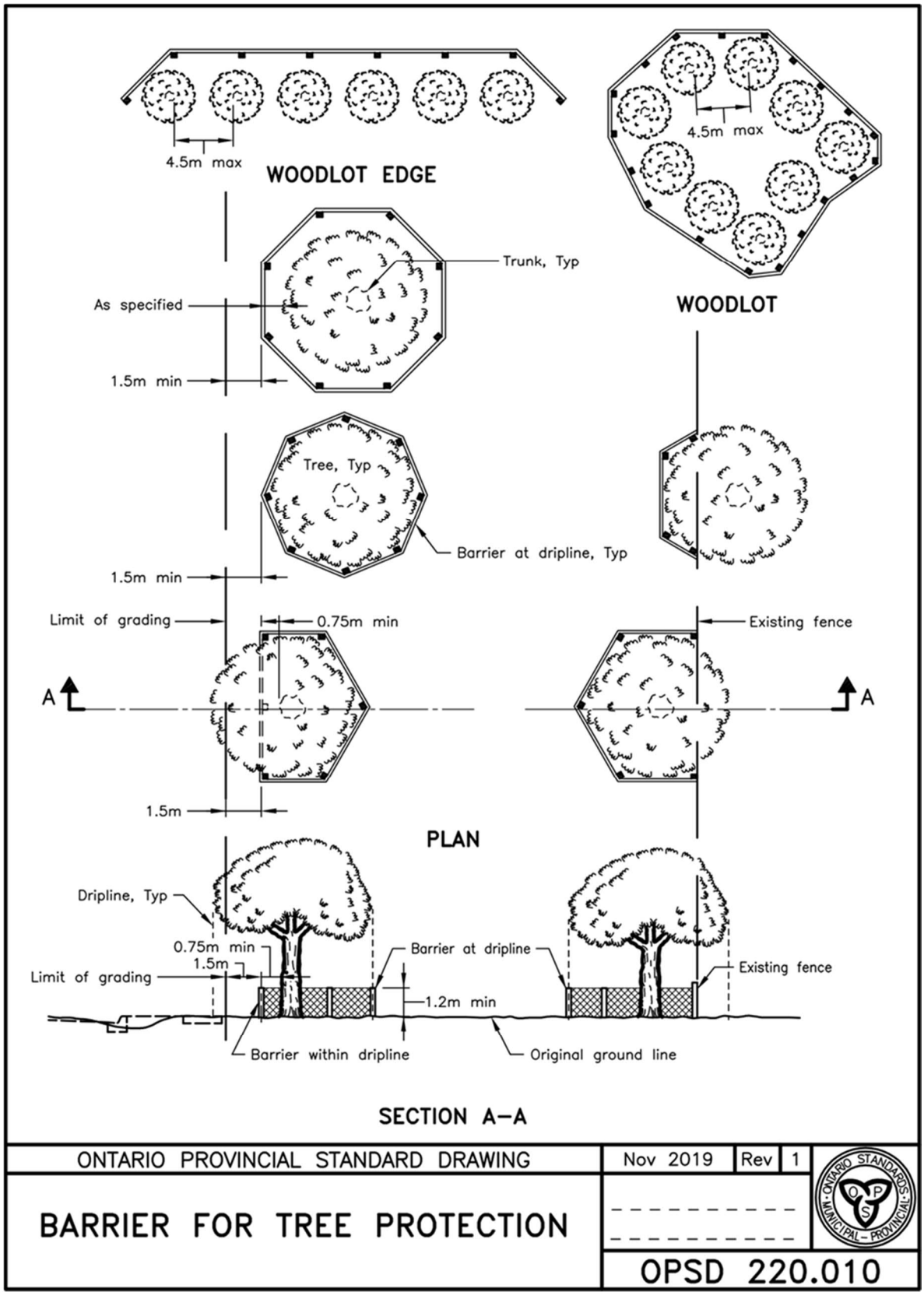
Photo Description	Photo
Photo 11: Meadow bordering agricultural, facing southwest (located on the northwest border of the limit of development) September 23, 2021	
Photo 12: Mature tree within northwest woodlot September 23, 2021	

Photo Description	Photo
Photo 13: **Northeastern tip of** northwest woodlot adjacent to agricultural **fi**eld (corn), facing south September 23, 2021	

Photo Description	Photo
Photo 15: Pocket of Trembling Aspen trees along northeast boundary of Limit of Development, facing north (Trees 1117-1124) September 23, 2021	
Photo 16: Mature trees along northeast boundary of Limit of Development, facing southeast (Significant Woodland in the background) September 23, 2021	

Appendix D

OPSD 220 010


4.5m max
WOODLOT EDGE
4.5m max
WOODLOT
Trunk, Typ
As specified
1.5m min
Tree, Typ
Barrier at dripline, Typ
1.5m min
Limit of grading
0.75m min
Existing fence
A
A
1.5m
PLAN
Dripline, Typ
0.75m min
1.5m
Limit of grading
Barrier at dripline
1.2m min
Existing fence
Barrier within dripline
Original ground line
SECTION A–A
ONTARIO PROVINCIAL STANDARD DRAWING
Nov 2019
Rev 1
BARRIER FOR TREE PROTECTION
OPSD 220.010