



**2656 Concession Road 4,  
Clarington, Ontario  
Arborist Report**

January 12, 2026

Prepared for:  
Municipality of Clarington  
40 Temperence Street,  
Bowmanville, ON, L1C 3A6

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160951460



## 2656 CONCESSION ROAD 4, CLARINGTON, ONTARIO, ARBORIST REPORT

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Introduction  
January 12, 2026

## **1.0 Introduction**

### **1.1 Existing Site**

Stantec Consulting Limited (Stantec) has been retained by Municipality of Clarington to complete an Arborist Report in support of a Site Plan Application for development of a firefighting training facility in Municipality of Clarington. The project Site is currently rural residential and agricultural land.

### **1.2 Proposed Development**

Clarington wishes to develop a public works yard and fire training facility on the Subject Property. The proposed development includes one large (~1.3 ha) connected operations building/ facility, four small training structures / outbuildings (burn towers), fueling stations, storage areas, parking areas, septic system, stormwater management ponds and a secondary access road (to connect the site to Liberty Street), herein referred to as the “Project”.



Methodology  
January 12, 2026

## 2.0 Methodology

The Site assessment was conducted by Gary Grewal, Certified Arborist, on April 22, June 2 and August 11, 2025. The Site assessment reviewed the trees located within the property boundary, and any additional trees on adjacent properties that may be impacted by the proposed development.

All trees that may be impacted by the project footprint were inventoried and geolocated. A metal tree tag was also placed on all trees that were safely accessible. The data collected for each tree includes tree species, general health condition (trunk integrity, crown condition, crown vigour), diameter at breast height (DBH) or diameter class, dripline radius, height, hazard probability and various other parameters collected according to industry best practices. The tree locations were recorded with a submeter accuracy hand-held GPS unit. Detailed description of field measurements is available in Section 2.1 of this report. Where trees were growing in homogenous groups of size, species, and probable level of construction impacts, a general inventory was conducted which summarized the observed DBH range and overall condition.

A Tree Preservation Plan (located in Appendix A) was prepared to identify the approximate existing tree locations, tree tag identification numbers, the adjusted dripline radius, as well as the recommended action for each inventoried tree. Tree inventory data was compiled along with the recommended actions and further justifications, and is available in Appendix B. All private trees on adjacent properties were observed from a distance.

Tree locations have been identified overlaid on the available survey and design data on Drawing L-900 to L-901, located in Appendix 'A'. The tree inventory data has been compiled into Table A, located in Appendix 'B'. The area required to facilitate access to the house and the demolition has been identified on the TPP to identify tree impacts.

### 2.1 Tree Condition rating

Outlined below are the detailed guidelines utilized for the classification of condition rating:

**Good: (Vigour Class 5: Light Decline)**

Branch mortality, twig dieback in 11-25% of the crown: broken branches or crown missing based on presence of old snags is less than 26%; minor evidence of decay.

**Fair: (Vigour Class 4: Moderate Decline)**

Branch mortality, twig dieback in 26-50% of the crown: broken branches or crown area missing based on presence of old snags is 50% or less; decay evident.

**Poor: (Vigour Class 3: Severe Decline)**

Branch mortality, 50% or more of the crown dead: broken branches or crown area missing based on presence of old snags in more than 50%; decay resulting in high hazard assessment.



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### **Dead: (Vigour Class 2: Dead due to Natural Causes)**

Tree is dead, either standing or down: phloem under bark has brown streaks: few epicormic shoots may be present.

### **Dead: (Vigour Class 1: Dead due to Human Causes)**

Tree removed: tree has been sawed or girdled by human activity.

## **2.1.1 Definitions of Measurements**

Tree assessment includes specific measurements as part of the field review. Outlined below are measurements taken as part of the tree review:

- Diameter at Breast Height (DBH): Measurement of the trunk at 1.4 m above grade. Expressed as diameter in centimetres.
- Dripline: Measurement of the approximate extents of the branches as measured from the trunk of the tree. This also represents the general root zone of the tree. Expressed as a radius in metres.
- Height: A visual estimate of the total height of the tree.



## 3.0 Observations and Analysis

### 3.1 Observations

In total, 193 trees with a DBH of 10 cm or greater and 390 stems in 12 vegetation units were inventoried on the Site. The species observed onsite included native, established, and exotic species. A large component of the Site was observed to be ash species in poor to dead condition due to emerald ash borer damage.

**Table 1: Observed Species**

<i>Family</i>	<i>Genus species (common name)</i>
<i>Betulaceae</i> (Birch family)	<i>Betula alleghaniensis</i> (yellow birch)
<i>Cupressaceae</i> (Cypress family)	<i>Thuja occidentalis</i> (eastern white cedar)
<i>Fabaceae</i> (Legume family)	<i>Robinia pseudoacacia</i> (black locust)
<i>Juglandaceae</i> (walnut family)	<i>Juglans cinerea</i> (butternut) <i>Juglans nigra</i> (black walnut)
<i>Malvaceae</i> (mallow family)	<i>Tilia americana</i> (basswood)
<i>Oleaceae</i> (olive family)	<i>Fraxinus pennsylvanica</i> (green ash) <i>Fraxinus sp.</i> (ash sp.) <i>Syringa vulgaris</i> (common lilac)
<i>Pinaceae</i> (pine family)	<i>Picea abies</i> (Norway maple)
<i>Rhamnaceae</i> (Buckthorn family)	<i>Rhamnus cathartica</i> (European buckthorn)
<i>Rosaceae</i> (rose family)	<i>Malus coronaria</i> (Siberian crabapple) <i>Malus sp.</i> (apple sp.) <i>Prunus serotina</i> (black cherry)
<i>Salicaceae</i> (Willow family)	<i>Populus alba</i> (white poplar) <i>Populus sp.</i> (poplar sp.) <i>Populus tremuloides</i> (trembling aspen)
<i>Sapindaceae</i> (soapberry family)	<i>Acer negundo</i> (Manitoba maple) <i>Acer saccharum</i> (sugar maple)
<i>Ulmaceae</i> (elm family)	<i>Ulmus sp.</i> (elm sp.)

#### 3.1.1 Rare and Endangered Species Review

The Site was reviewed for tree species covered under the provincial Endangered Species Act in accordance with O. Reg. 230/08. Four (4) Butternut (*Juglans cinerea*) trees (1613, 1616, 1617 and 1631) were observed onsite. All 4 trees are identified for removal. Butternut health assessments (BHAs) were completed for these trees on June 23, 2025. The results determined that these are all Category 1 trees.



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### Observations and Analysis

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The BHAs were submitted to the Ministry of Environment, Conservation and Parks (MECP) on July 9, 2025 and submission approved on July 15, 2025. Stantec did not rely on Part 5 of O.Reg. 830/21 and further assessments were not requested by MECP within the 30-day window. Removal of the 4 Category 1 butternuts is permitted under the Endangered Species Act.

### 3.2 Trees Recommended for Removal

A total of 125 living trees observed in the detailed inventory and 329 stems in the general inventory are recommended for removal due to the proposed construction and offsite stormwater management facility. In addition, 25 dead trees will be removed as they could pose a hazard during construction. Justifications for removal due to construction impacts include:

- Removal is necessary for site servicing and roadway construction.
- Removal is necessary for lot grading and construction.
- Removal is necessary for the construction and function of stormwater facilities.

### 3.3 Trees Recommended For Protection

A total of 61 stems from the general inventory and 43 trees observed in the detailed inventory are recommended for protection within the Site and on adjacent properties. This report does not include trees located beyond the bounds of the detailed inventory which are expected to be protected. Tree protection fencing is to be installed prior to site work and maintained in working order for the duration of construction. Refer to Section 4 for additional recommendations.



## 4.0 Construction Mitigation and Management

### 4.1 construction Impact

#### 4.1.1 Potential Construction Impacts to Trees

Trees are living organisms that react to changes in their environment. Trees can be damaged during construction without showing signs of damage until some years later. Most of the impacts relate to the removal of roots that results in the slow death of the tree as a result of its inability to absorb sufficient water and nutrients. Contained within this section are descriptions of the potential impacts this project may have on the trees, and impact mitigation methods that are intended to aid in the design and construction process.

#### 4.1.2 Soil Compaction and Root Damage

The leading cause of construction damage to trees is compaction of the soil around the roots or within the Tree Protection Zone (TPZ). The TPZ is the area around the tree or group of trees in which no grading or construction activity may occur. Equipment entering into a TPZ compresses the air pockets around the roots inhibiting the tree from absorbing nutrients and water. This damage ultimately reduces the health of the tree. Accordingly, during the removal stage, equipment use within the preservation zones should be restricted to ensure that the tree's roots are not disturbed, thereby assisting in maintaining their continued health. The TPZ is protected and delineated by the TPF.

#### 4.1.3 Mechanical Damage

Equipment can physically damage the trees through striking the trunk, limbs and/or roots. Felled trees can also cause damage during the tree removal stage of construction. Some damage is unavoidable due to close proximity of adjacent trees; however, through the use of proper equipment and Best Management Practices (BMP) the damage can be minimized. The Contractor should be held responsible for all avoidable damage to the trees during all stages of development. Note: trees shall be felled away from adjacent trees to be retained.

#### 4.1.4 Root Damage

The success of tree preservation is dependent not only on protecting the root zone from compaction and damage, but it is also contingent upon the ability to ensure that the structural roots within the root plate are not disturbed. Impacts to this area may result in the structural failure of these trees.

Excavating soil 1 m outside a tree's dripline, or within a dripline if approved by an ISA Certified Arborist, can damage roots by tearing and splitting back to the stem. This damage can later lead to rot, which can kill the tree. When excavating the top 30-60 cm of soil adjacent to trees, care must be taken. Excavation should cleanly sever the roots prior to stripping and removal of soil. Exposed roots, greater than 2.5 cm diameter, shall be pruned back to the soil face to prevent damage to the tree.



## **4.2 Protecting and managing trees during construction**

The following recommendations are presented to provide appropriate tree protection and management during the construction for this project.

1. Tree protection fencing shall be installed to protect trees identified for preservation. TPF installation must conform to Ontario Provincial Standards. Upon installation of the tree protection fencing, the Contractor shall contact the Project Arborist to review and approve the fencing and its location prior to commencement of any Site work. This shall be coordinated with municipal staff for approval. The protection fencing shall remain intact throughout the entire protection. The fencing will be inspected weekly and, if required, repaired. The fencing shall be removed at the completion of all Site works.
2. Upon receiving the necessary project approvals and prior to the commencement of tree removals, all trees designated for preservation must be flagged in the field. All designated preservation areas must be left standing and undamaged during site works. Removals are to be completed outside of migratory bird nesting season from April 1 to August 31. Removals may take place during this restricted time only if the requirements of the Migratory Birds Convention Act are met and nesting activity is routinely monitored by qualified individuals (i.e., Wildlife Biologists).
3. The TPZ is the area around a retained tree that is to be protected by tree protection fencing. The TPZ is not to be used for any type of storage (e.g., storage of debris, construction material, surplus soils, and construction equipment). No trenching or tunneling for underground services shall be located within the TPZ. Construction equipment shall not be allowed to idle or exhaust within the TPZ.
4. Trees shall not have any rigging cables or hardware of any sort attached or wrapped around them, nor shall any contaminants be dumped within the protective areas. Furthermore, no contaminants shall be dumped or flushed where they may come into contact with the feeder roots of the trees. In the event that roots from retained trees are exposed, or if it is necessary to remove limbs or portions of trees after construction has commenced, the Project Arborist shall be informed and the proper actions conforming to municipal Policies and By-laws shall be carried out.
5. Upon completion of the tree removals, all felled trees are to be removed from the site. No lumber or brush from the clearing is to be stored on the site. Any chipping, cutting or brush cleanup are to be completed outside of the bird nesting season. These works may take place during this restricted time only if the requirements of the Migratory Birds Convention Act are met and nesting activity is routinely monitored by qualified individuals (i.e., Wildlife Biologists).
6. The following is the process that shall be carried out if tree removals are requested during the restricted time indicated in the Migratory Birds Convention Act:
  - Contact a qualified individual (i.e., Wildlife Biologist) to determine if nesting birds are within the tree removal disturbance area. Stantec has a qualified bird specialist on staff that can be contacted.



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Construction Mitigation and Management

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- If the bird specialist has determined that there are nesting birds onsite, there will be no tree removals/chipping conducted within the boundary set out by the specialist. Tree removals can resume within this area at the end of the nesting season, August 31<sup>st</sup>, or if the migratory bird specialist has determined the birds have left.
- If the bird specialist determines there are no migratory birds nesting within the disturbance area, the Contractor has 7 days to conduct removals. At the end of 7 days, if removals and chipping is not complete, the bird specialist will return to the Site and proceed with another assessment. If there are still no birds, work can resume for another 7 days. This process will continue until all removals and chipping is complete.



Disclaimer  
January 12, 2026

## **5.0 Disclaimer**

The assessment of the trees presented within this report has been made using accepted arboricultural techniques. These include a visual examination of the above-ground parts of each observed tree for structural defects, scars, external indications of decay, evidence of insect presence, discoloured foliage, the general condition of the trees and the surrounding site, as well as the proximity of property and people. None of the trees examined were dissected, cored, probed, or climbed, and detailed root crown examinations involving excavation were not undertaken.

Notwithstanding the recommendations and conclusions made in this report, it must be realized that trees are living organisms and their health and vigour is constantly changing. They are not immune to changes in site conditions or seasonal variations in the weather.

While reasonable efforts have been made to ensure the trees recommended for retention are healthy, no guarantees are offered or implied that these trees or any part of them will remain standing. It is both professionally and practically impossible to predict with absolute certainty the behavior of any single tree or group of trees in all circumstances. Inevitably, a standing tree will always pose some risk. Most trees have the potential for failure if provided with the necessary combinations of stresses and elements. This risk can only be eliminated if the tree is removed.

Every effort has been made to ensure that this assessment is reasonably accurate, and the trees should be re-assessed periodically. The assessment presented in this report is valid at the time of inspection.



Conclusion  
January 12, 2026

## **6.0 Conclusion**

The project Site was inventoried for trees with a DBH of 10 cm or greater. A total of 193 trees were inventoried along with 390 stems contained in 12 vegetation units. Forty-three (43) trees and 61 stems will be protected with TPF on Site. A total of 329 stems and 125 trees have been identified for removals as they are within the construction footprint. The Site contains 25 dead trees. All these trees have been identified for removal as well as they could be hazardous during construction. The proposed development requires intensive use of the Site for the construction of roads, servicing, lot grading, and stormwater management. As such, retention opportunities are predominantly available along the margins of the Site.

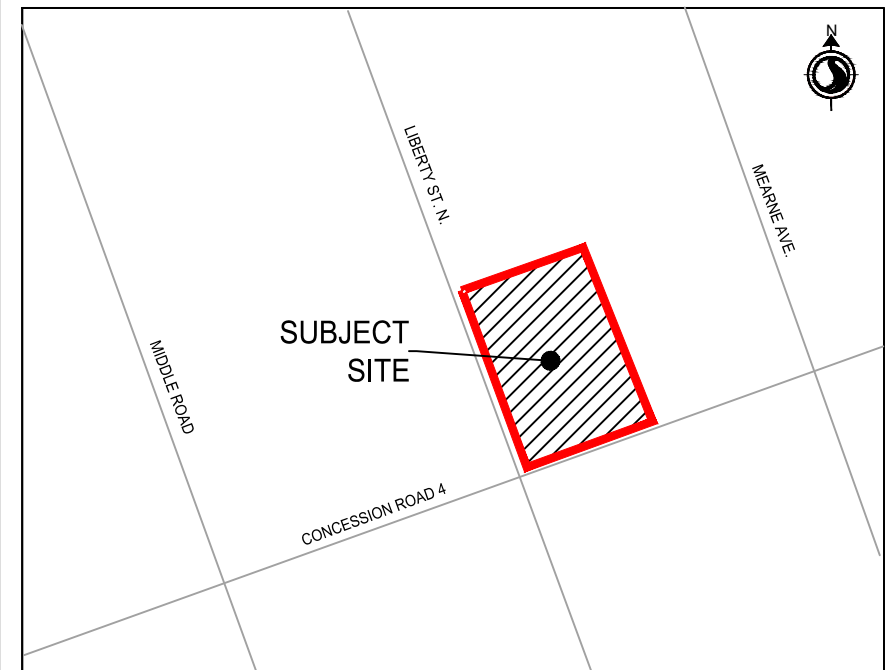


**Appendix A:  
Tree Inventory Plan,  
Drawings L-900 to L-901**

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Key Map NTS.



- Legend**
- Existing Deciduous Tree
  - Existing Coniferous Tree
  - Tree to be Retained and Protected Identification Tag
  - Tree to be Removed Identification Tag
  - Tree to be Removed Identification Tag
  - Proposed Tree Protection Fencing
  - Existing Vegetation Unit to be Retained and Protected
  - Existing Vegetation Unit to be Removed
  - Dead Standing Tree
  - Proposed Asphalt
  - Proposed Concrete
  - Proposed Landscaped Berm
  - Driveway Grading Area

Revision/Issue	By	Appd	YYYY.MM.DD
2. REVISED PER UPDATED DESIGN	JL	GG	2025.09.23
1. REVISED PER CITY COMMENTS	JL	GG	2025.08.13
ISSUED FOR REVIEW	JL	GG	2025.06.05

Permit-Seal

GARY GREWAL  
ON-21744

Client/Project  
Municipality of Clarington, ON

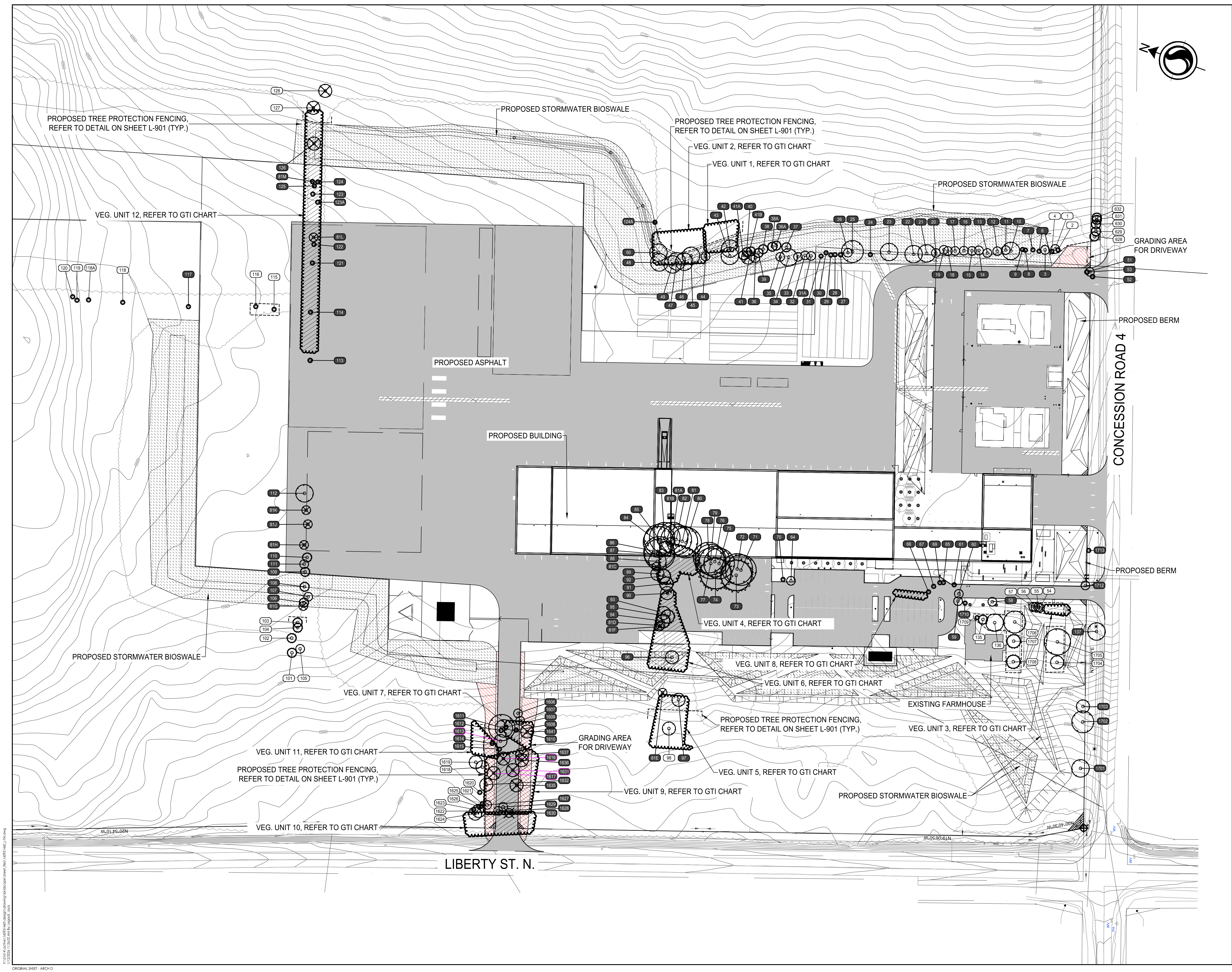
2656 Conc Rd 4 EIS/NHE

Clarington, ON

Title  
Tree Management Plan

Project No. 160951460 Scale 1:750

Revision 2 Sheet 1 of 2 Drawing No. L-900

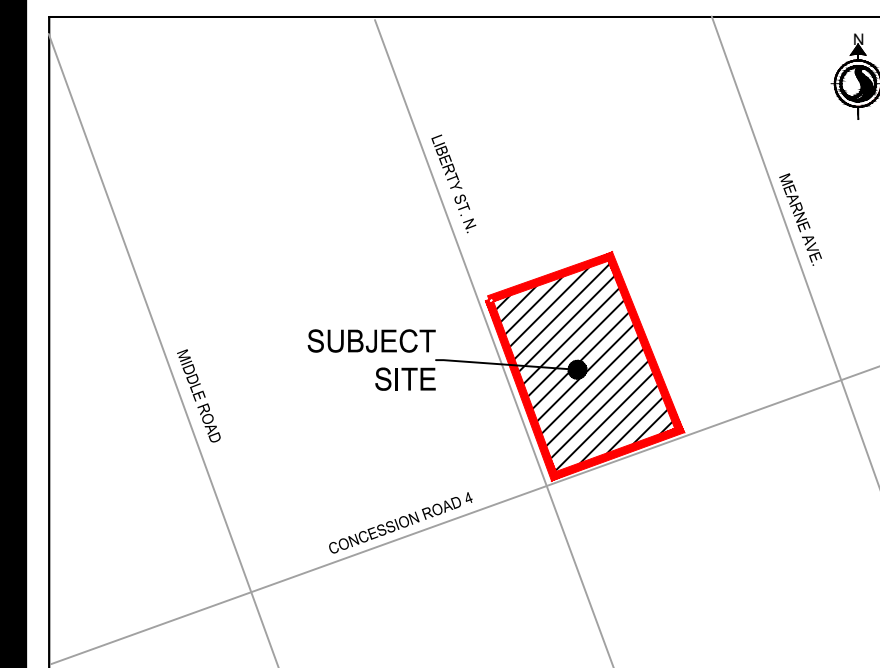


ORIGINAL SHEET - ARCH-D

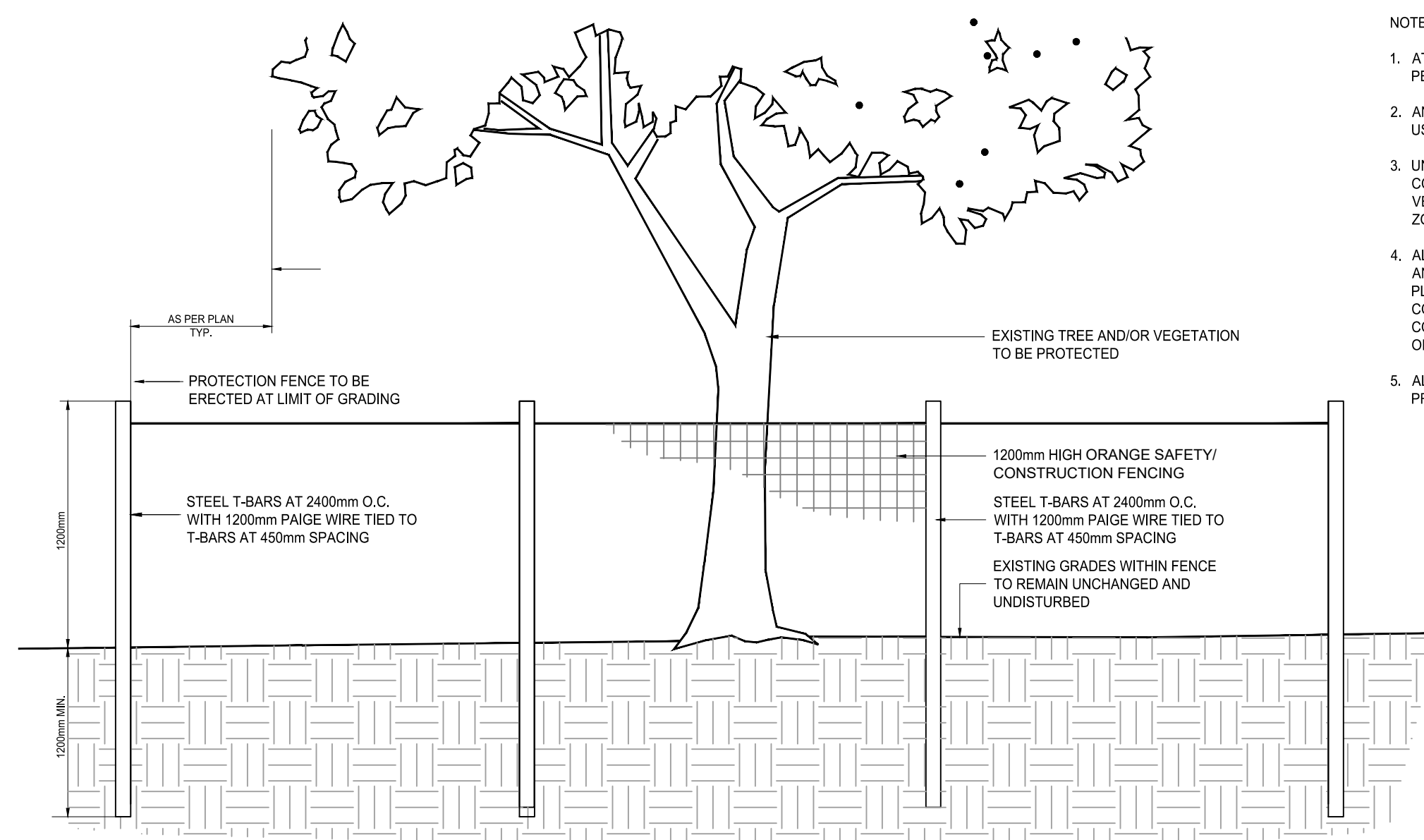
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Key Map NTS.



Legend



NOTES:

- ATTACHMENT OF FENCE TO TREES WILL NOT BE PERMITTED.
- ANY EXPOSED ROOTS ARE TO BE HAND PRUNED USING PROPER ARBORICULTURAL PRACTICES.
- UNDER NO CIRCUMSTANCES SHALL ANY CONSTRUCTION MATERIALS, EQUIPMENT OR VEHICLES BE PLACED WITHIN THE TREE PROTECTION ZONE.
- ALL TREE PROTECTION TO BE ERECTED PRIOR TO ANY CONSTRUCTION ACTIVITY AND IS TO REMAIN IN PLACE UNTIL ALL CONSTRUCTION HAS BEEN COMPLETED. OBTAIN WRITTEN APPROVAL FROM CONTRACT ADMINISTRATOR PRIOR TO REMOVAL OF FENCING.
- ALL TREE PROTECTION FENCING SHALL BE REMOVED PRIOR TO PROJECT FINAL ACCEPTANCE.

GENERAL

- The Tree Management/Preservation Plan is to be read in conjunction with the associated Arborist Report and shall not be utilized as a standalone document.

TREE PROTECTION FENCING

- The Contractor shall install Tree Protection Fencing (TPF) to protect trees identified for preservation.
- All TPF will conform with the Arborist Report and detail(s) included on these plans. Where current governing Municipal/City standards differ, contact Project Arborist or Contract Administrator for direction.
- No substitutions of materials, products or quantities will be accepted without the prior written permission of the Project Arborist.
- Upon installation of the TPF, the Contractor shall contact the Project Arborist to review and approve the fencing and location(s) in writing prior to commencement of any site work.
- The TPF shall remain in the approved locations throughout the duration of the site works and shall not be moved at any time to accommodate construction or site work.
- The Contractor shall inspect TPF weekly and maintain as required through all stages of development/construction. The TPF shall be removed at the completion of all site works and disturbed areas shall be restored to original condition.

TREE PRESERVATION

- The Tree Protection Zone (TPZ) is protected and delineated by the TPF or as otherwise defined in the approved Arborist Report. The Contractor is not to proceed in uncertainty.
- Any potential or incurred injury/damage to adjacent tree(s) identified to be preserved shall be immediately reported to the Project Arborist and reviewed on site. Injury/damage includes any required arboricultural treatment including but not limited to limb pruning, trunk damage, root exposure or required cutting/removal of any other activity that has the potential to harm the tree.
- The TPZ is not to be used for any type of storage including materials, equipment or stockpiles.
- No trenching or tunneling for underground services shall occur within the TPZ.
- Any equipment use within the TPZ will be restricted throughout all stages of development. This applies to TPZs within or outside of the project limit line.
- Absolutely no alteration of grades or construction activity is permitted within the TPF and TPZ. Absolutely no flushing of contaminant shall be permitted towards or within the TPZ.
- When working adjacent to trees to be preserved site preparation measures such as pruning for overhead clearance may be required. Preparatory pruning shall only be performed when completed by or under the direct supervision of an ISA Certified Arborist (or approved qualified person as approved by the Project Arborist).
- All pruning work shall be performed by a qualified individual and shall be in accordance with current horticultural practices including but not limited to:
  - Pruning cuts shall be made just beyond the branch collar and should be limited to thinning cuts. Heading cuts will only be accepted in specific cases as directed by an arborist and should be avoided where possible.
  - Pruning of all stems greater than 50 mm in diameter should be made with a three-cut method to avoid tearing living bark tissue.
  - No wound dressings shall be applied.
- Where soil excavation/grading work is required within the rooting zone of a tree to be preserved (the rooting zone often extends beyond the identified TPZ and can be 3 times the dripline radius or more):
  - Roots shall be cleanly severed before stripping and removing soil to avoid damage to the tree and the root system. Roots to be cut using appropriate equipment (i.e. trencher adapted to this specific use/chainsaw/root pruning machine). Roots may be severed using the clean edge of a straight excavator bucket under supervision of an ISA Certified Arborist.
  - No attempts to cut existing roots with the digging bucket of any heavy machinery will be permitted as it can cause the roots to tear and pull and be harmful to root regeneration and recovery.
  - Any exposed roots of a tree to be preserved with a diameter greater than 2.5cm (1 inch) shall be pruned back to the soil face.
  - An excavation area within the TPZ shall be backfilled immediately and/or roots shall be kept constantly moist with burlap covered with white plastic and checked a minimum of 2 times a day, for a maximum of 48 hours. If roots are to be exposed for a period greater than 48 hours, the exposed area shall be covered with a minimum of 150 mm (6 inches) of mulch and maintained in a moist condition during construction until the area can be properly backfilled.
- Trees shall not have any rigging cables, fencing, signage or hardware of any sort attached or wrapped around them.
- No contaminants or toxic materials shall be dumped or flushed where they may come into contact with the feeder roots of trees to be preserved.
- The Contractor will be held responsible for all avoidable damage to preserved trees during all stages of construction.
- Watering or other maintenance of trees to be preserved may be required if construction activities are observed to be causing stress or impacting health as determined by the Project Arborist.

TREE REMOVALS

- Prior to the commencement of tree removals, all trees designated for removal must be clearly identified in the field.
- Where possible, removals, chipping, and/or brush removal is to be completed outside of migratory bird nesting season from April 1 to August 31. If removals are to occur within the restricted activity period, due diligence measures, including pre-clearing nest sweeps will be employed to reduce risk to nesting birds protected under the Migratory Birds Convention Act, 1994 and Migratory Birds Regulations. These surveys must be completed by a qualified biologist or ornithologist.
- Trees shall always be felled away from adjacent preserved trees to prevent avoidable damage to the crowns and stems

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PROPOSED TREE PROTECTION FENCING  
N.T.S.

2.	REVISED PER UPDATED DESIGN	JL	GG	2025.09.23
1.	REVISED PER CITY COMMENTS	JL	GG	2025.08.13
	ISSUED FOR REVIEW	JL	GG	2025.06.05

Revision/Issue By Appd YYYY.MM.DD

File Name: 160951460\_L1-TM 2025.09.23

Dwn. Dsgn. Chkd. YYYY.MM.DD

Permit-Seal



Client/Project  
Municipality of Clarington, ON

2656 Conc Rd 4 EIS/NHE

Clarington, ON

Title

Tree Management Plan  
Details & Notes

Project No. 160951460 Scale

Revision 2 Sheet 2 of 2 Drawing No. L-901

**Appendix B:  
Table A, Detailed Tree Inventory,  
Table B, General Tree Inventory**

**TABLE A. Detailed Tree Inventory  
2656 Concession Road 4, Clarington, Ontario  
Data collected: April 22, June 2, August 11, 2025**

Tree ID	Botanical Name	Common Name	DBH (cm)				Total DBH	Dripline Radius (m)	Condition				Comments	Action	Removal/Injury Justification	Permit Type
			Stem 1	Stem 2	Stem 3	Stem 4			Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition				
1	<i>Ulmus sp.</i>	Elm sp.	10	-	-	-	10	2.0	Good	Good	Good	Good		Protect - Hoarding		N/A
2	<i>Rhamnus cathartica</i>	European Buckthorn	2	-	-	-	2	1.0	Good	Good	Good	Good		Protect - Hoarding		N/A
3	<i>Malus sp.</i>	Apple sp.	25	18	21	-	64	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
4	<i>Rhamnus cathartica</i>	European Buckthorn	18	-	-	-	18	1.0	Good	Good	Good	Good		Protect - Hoarding		N/A
6	<i>Rhamnus cathartica</i>	European Buckthorn	10	-	-	-	10	1.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
7	<i>Rhamnus cathartica</i>	European Buckthorn	8	-	-	-	8	1.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
8	<i>Ulmus sp.</i>	Elm sp.	8	-	-	-	8	1.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
9	<i>Ulmus sp.</i>	Elm sp.	4	-	-	-	4	1.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
10	<i>Ulmus sp.</i>	Elm sp.	31	-	-	-	31	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
11	<i>Ulmus sp.</i>	Elm sp.	21	-	-	-	21	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
12	<i>Malus sp.</i>	Apple sp.	18	-	-	-	18	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
13	<i>Rhamnus cathartica</i>	European Buckthorn	5	7	4	-	16	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
14	<i>Syringa vulgaris</i>	Common Lilac	5	-	-	-	5	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
15	<i>Syringa vulgaris</i>	Common Lilac	5	-	-	-	5	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
16	<i>Syringa vulgaris</i>	Common Lilac	5	-	-	-	5	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
17	<i>Syringa vulgaris</i>	Common Lilac	5	-	-	-	5	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
18	<i>Rhamnus cathartica</i>	European Buckthorn	5	6	-	-	11	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
19	<i>Rhamnus cathartica</i>	European Buckthorn	10	6	-	-	16	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
20	<i>Malus sp.</i>	Apple sp.	10	15	16	-	41	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
21	<i>Acer negundo</i>	Manitoba Maple	24	19	24	18	85	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
22	<i>Acer negundo</i>	Manitoba Maple	18	19	-	-	37	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
23	<i>Ulmus sp.</i>	Elm sp.	24	-	-	-	24	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
24	<i>Fraxinus sp.</i>	Ash sp.	14	-	-	-	14	1.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
25	<i>Acer negundo</i>	Manitoba Maple	27	27	20	12	86	5.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
26	<i>Ulmus sp.</i>	Elm sp.	14	-	-	-	14	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
27	<i>Thuja occidentalis</i>	Eastern White Cedar	14	-	-	-	14	1.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
28	<i>Rhamnus cathartica</i>	European Buckthorn	9	-	-	-	9	1.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
29	<i>Rhamnus cathartica</i>	European Buckthorn	9	-	-	-	9	1.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
30	<i>Rhamnus cathartica</i>	European Buckthorn	9	10	-	-	19	1.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
31	<i>Rhamnus cathartica</i>	European Buckthorn	9	10	-	-	19	1.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
31A	<i>Malus sp.</i>	Apple sp.	21	10	-	-	31	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
32	<i>Syringa vulgaris</i>	Common Lilac	9	-	-	-	9	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
33	<i>Syringa vulgaris</i>	Common Lilac	9	-	-	-	9	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
34	<i>Ulmus sp.</i>	Elm sp.	27	-	-	-	27	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
35	<i>Acer negundo</i>	Manitoba Maple	15	18	10	7	50	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
36A	<i>Thuja occidentalis</i>	Eastern White Cedar	15	-	-	-	15	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
37	<i>Thuja occidentalis</i>	Eastern White Cedar	15	-	-	-	15	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
38	<i>Thuja occidentalis</i>	Eastern White Cedar	15	-	-	-	15	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
38A	<i>Thuja occidentalis</i>	Eastern White Cedar	15	-	-	-	15	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
39	<i>Thuja occidentalis</i>	Eastern White Cedar	15	-	-	-	15	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
36	<i>Acer negundo</i>	Manitoba Maple	15	18	10	7	50	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
40	<i>Thuja occidentalis</i>	Eastern White Cedar	15	-	-	-	15	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
41	<i>Thuja occidentalis</i>	Eastern White Cedar	15	-	-	-	15	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
41B	<i>Fraxinus sp.</i>	Ash sp.	23	-	-	-	23	3.0	Dead	Dead	Dead	Dead		Remove	Proposed Bioswale Grading	Removal
41A	<i>Thuja occidentalis</i>	Eastern White Cedar	15	-	-	-	15	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
42	<i>Ulmus sp.</i>	Elm sp.	24	-	-	-	24	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
43	<i>Ulmus sp.</i>	Elm sp.	24	20	-	-	44	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
44	<i>Ulmus sp.</i>	Elm sp.	24	-	-	-	24	2.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
45	<i>Acer negundo</i>	Manitoba Maple	24	20	19	-	63	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
46	<i>Acer negundo</i>	Manitoba Maple	24	20	19	-	63	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
47	<i>Acer negundo</i>	Manitoba Maple	24	20	19	-	63	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
49	<i>Acer negundo</i>	Manitoba Maple	25	20	-	-	45	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
48	<i>Acer negundo</i>	Manitoba Maple	18	15	-	-	33	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
50	<i>Acer negundo</i>	Manitoba Maple	18	15	-	-	33	4.0	Good	Good	Good	Good		Remove	Proposed Bioswale Grading	Removal
51	<i>Thuja occidentalis</i>	Eastern White Cedar	10	-	-	-	10	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
52	<i>Thuja occidentalis</i>	Eastern White Cedar	10	-	-	-	10	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
53	<i>Robinia pseudoacacia</i>	Black Locust	21	10	-	-	31	2.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
54	<i>Ulmus sp.</i>	Elm sp.	10	10	-	-	20	2.0	Good	Good	Good	Good		Protect - Hoarding		N/A
55	<i>Ulmus sp.</i>	Elm sp.	10	10	-	-	20	2.0	Good	Good	Good	Good		Protect - Hoarding		N/A
56	<i>Ulmus sp.</i>	Elm sp.	10	10	-	-	20	2.0	Good	Good	Good	Good		Protect - Hoarding		N/A
57	<i>Ulmus sp.</i>	Elm sp.	10	10	-	-	20	2.0	Good	Good	Good	Good		Protect - Hoarding		N/A
58	<i>Acer negundo</i>	Manitoba Maple	10	11	-	-	21	2.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
59	<i>Acer negundo</i>	Manitoba Maple	13	-	-	-	13	2.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
60	<i>Acer negundo</i>	Manitoba Maple	11	10	9	8	38	2.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
61	<i>Acer negundo</i>	Manitoba Maple	13	10	7	-	30	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
65	<i>Rhamnus cathartica</i>	European Buckthorn	13	-	-	-	13	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
66	<i>Fraxinus sp.</i>	Ash sp.	7	-	-	-	7	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
67	<i>Syringa vulgaris</i>	Common Lilac	7	-	-	-	7	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
69	<i>Acer negundo</i>	Manitoba Maple	13	10	7	-	30	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
64	<i>Acer negundo</i>	Manitoba Maple	26	-	-	-	26	2.0	Good	Good	Good	Good	Co-dominant	Remove	Within Proposed Construction	Removal
70	<i>Acer negundo</i>	Manitoba Maple	13	-	-	-	13	1.0	Good	Good	Good	Good	Co-dominant	Remove	Within Proposed Construction	Removal

**TABLE A. Detailed Tree Inventory  
2656 Concession Road 4, Clarington, Ontario  
Data collected: April 22, June 2, August 11, 2025**

Tree ID	Botanical Name	Common Name	DBH (cm)				Total DBH	Dripline Radius (m)	Condition				Comments	Action	Removal/Injury Justification	Permit Type
			Stem 1	Stem 2	Stem 3	Stem 4			Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition				
71	<i>Tilia americana</i>	Basswood	23	30	24	21	98	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
72	<i>Tilia americana</i>	Basswood	23	30	24	21	98	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
77	<i>Tilia americana</i>	Basswood	23	30	24	21	98	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
73	<i>Thuja occidentalis</i>	Eastern White Cedar	23	30	24	21	98	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
74	<i>Thuja occidentalis</i>	Eastern White Cedar	23	30	24	21	98	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
75	<i>Tilia americana</i>	Basswood	23	30	24	21	98	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
76	<i>Tilia americana</i>	Basswood	23	30	-	-	53	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
78	<i>Tilia americana</i>	Basswood	23	30	-	-	53	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
79	<i>Tilia americana</i>	Basswood	23	29	-	-	52	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
80	<i>Tilia americana</i>	Basswood	23	29	17	10	79	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
81	<i>Tilia americana</i>	Basswood	23	29	17	10	79	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
81A	<i>Tilia americana</i>	Basswood	23	29	17	10	79	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
82	<i>Tilia americana</i>	Basswood	23	29	17	-	69	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
83	<i>Tilia americana</i>	Basswood	23	29	17	-	69	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
84	<i>Tilia americana</i>	Basswood	23	29	-	-	52	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
85	<i>Tilia americana</i>	Basswood	23	29	-	-	52	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
86	<i>Tilia americana</i>	Basswood	23	29	-	-	52	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
87	<i>Tilia americana</i>	Basswood	23	29	-	-	52	7.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
88	<i>Tilia americana</i>	Basswood	23	29	-	-	52	4.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
89	<i>Malus sp.</i>	Apple sp.	23	-	-	-	23	3.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
90	<i>Acer negundo</i>	Manitoba Maple	23	-	-	-	23	3.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
91	<i>Thuja occidentalis</i>	Eastern White Cedar	34	-	-	-	34	3.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
92	<i>Thuja occidentalis</i>	Eastern White Cedar	34	-	-	-	34	3.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
93	<i>Acer negundo</i>	Manitoba Maple	34	10	7	-	51	3.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
95	<i>Thuja occidentalis</i>	Eastern White Cedar	34	21	-	-	55	3.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
94	<i>Thuja occidentalis</i>	Eastern White Cedar	34	21	-	-	55	3.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
96	<i>Tilia americana</i>	Basswood	34	21	-	-	55	3.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
97	<i>Prunus serotina</i>	Black Cherry	34	-	-	-	34	3.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
98	<i>Prunus serotina</i>	Black Cherry	45	-	-	-	45	3.0	Good	Good	Good	Good		Protect - Hoarding		N/A
101	<i>Thuja occidentalis</i>	Eastern White Cedar	21	-	-	-	21	0.0	Good	Good	Good	Good		Protect - Hoarding		N/A
102	<i>Thuja occidentalis</i>	Eastern White Cedar	21	-	-	-	21	0.0	Good	Good	Good	Good		Protect - Hoarding		N/A
103	<i>Thuja occidentalis</i>	Eastern White Cedar	10	-	-	-	10	0.0	Good	Good	Good	Good		Protect - Hoarding		N/A
104	<i>Thuja occidentalis</i>	Eastern White Cedar	10	-	-	-	10	0.0	Good	Good	Good	Good		Protect - Hoarding		N/A
105	<i>Malus coronaria</i>	Crabapple	10	-	-	-	10	0.0	Good	Good	Good	Good		Protect - Hoarding		N/A
106	<i>Thuja occidentalis</i>	Eastern White Cedar	10	-	-	-	10	0.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
107	<i>Acer negundo</i>	Manitoba Maple	10	-	-	-	10	0.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
108	<i>Thuja occidentalis</i>	Eastern White Cedar	10	-	-	-	10	0.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
109	<i>Thuja occidentalis</i>	Eastern White Cedar	10	-	-	-	10	0.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
110	<i>Thuja occidentalis</i>	Eastern White Cedar	10	-	-	-	10	0.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
111	<i>Tilia americana</i>	Basswood	27	-	-	-	27	2.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
112	<i>Ulmus sp.</i>	Elm sp.	32	-	-	-	32	4.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
113	<i>Thuja occidentalis</i>	Eastern White Cedar	17	-	-	-	17	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
114	<i>Acer negundo</i>	Manitoba Maple	17	-	-	-	17	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
115	<i>Acer negundo</i>	Manitoba Maple	15	-	-	-	15	1.0	Good	Good	Good	Good		Protect - Hoarding		N/A
116	<i>Acer negundo</i>	Manitoba Maple	14	-	-	-	14	1.0	Good	Good	Good	Good		Protect - Hoarding		N/A
117	<i>Tilia americana</i>	Basswood	14	-	-	-	14	1.0	Good	Good	Good	Good		Remove	Within Proposed Bioswale Work	Removal
118	<i>Tilia americana</i>	Basswood	14	-	-	-	14	1.0	Good	Good	Good	Good		Protect - Hoarding		N/A
118A	<i>Tilia americana</i>	Basswood	14	-	-	-	14	1.0	Good	Good	Good	Good		Protect - Hoarding		N/A
119	<i>Tilia americana</i>	Basswood	14	-	-	-	14	1.0	Good	Good	Good	Good		Protect - Hoarding		N/A
120	<i>Tilia americana</i>	Basswood	14	-	-	-	14	1.0	Good	Good	Good	Good		Protect - Hoarding		N/A
121	<i>Tilia americana</i>	Basswood	24	18	13	-	55	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
122	<i>Rhamnus cathartica</i>	European Buckthorn	24	18	13	-	55	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
123	<i>Acer negundo</i>	Manitoba Maple	10	18	-	-	28	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
123A	<i>Acer negundo</i>	Manitoba Maple	10	8	-	-	18	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
124	<i>Acer negundo</i>	Manitoba Maple	10	-	-	-	10	1.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
124A	<i>Acer negundo</i>	Manitoba Maple	23	-	-	-	23	1.0	Dead	Dead	Dead	Dead	Covered in vines	Remove - Dead	Hazard	N/A
125	<i>Acer negundo</i>	Manitoba Maple	8	10	4	-	22	1.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
126	<i>Acer negundo</i>	Manitoba Maple	19	27	4	-	50	3.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
127	<i>Acer negundo</i>	Manitoba Maple	19	27	-	-	46	3.0	Dead	Dead	Dead	Dead		Protect - Hoarding		N/A
128	<i>Malus sp.</i>	Apple sp.	19	17	-	-	36	3.0	Dead	Dead	Dead	Dead		Protect - Hoarding		N/A
135	<i>Picea abies</i>	Norway Spruce	34	-	-	-	34	2.0	Good	Good	Good	Good		Protect - Hoarding		N/A
136	<i>Acer saccharum</i>	Sugar Maple	39	-	-	-	39	4.0	Good	Good	Good	Good		Protect - Hoarding		N/A
137	<i>Acer saccharum</i>	Sugar Maple	39	-	-	-	39	4.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
81B	<i>Tilia americana</i>	Basswood	23	24	-	-	47	0.0	Dead	Dead	Dead	Dead	Cavity	Remove - Dead	Hazard	N/A
81C	<i>Acer sp.</i>	Maple sp.	20	-	-	-	20	0.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
81D	<i>Fraxinus sp.</i>	Ash sp.	20	-	-	-	20	0.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
81E	<i>Fraxinus sp.</i>	Ash sp.	16	-	-	-	16	0.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
81F	<i>Fraxinus sp.</i>	Ash sp.	16	-	-	-	16	0.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
81G	<i>Fraxinus sp.</i>	Ash sp.	16	-	-	-	16	0.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
81H	<i>Fraxinus sp.</i>	Ash sp.	16	-	-	-	16	0.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
81J	<i>Fraxinus sp.</i>	Ash sp.	16	-	-	-	16	0.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A

**TABLE A. Detailed Tree Inventory  
2656 Concession Road 4, Clarington, Ontario  
Data collected: April 22, June 2, August 11, 2025**

Tree ID	Botanical Name	Common Name	DBH (cm)				Total DBH	Dripline Radius (m)	Condition				Comments	Action	Removal/Injury Justification	Permit Type
			Stem 1	Stem 2	Stem 3	Stem 4			Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition				
81K	<i>Fraxinus sp.</i>	Ash sp.	16	-	-	-	16	0.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
81L	<i>Fraxinus sp.</i>	Ash sp.	16	-	-	-	16	0.0	Dead	Dead	Dead	Dead	Covered in vines	Remove - Dead	Hazard	N/A
81M	<i>Acer negundo</i>	Manitoba Maple	23	-	-	-	23	1.0	Dead	Dead	Dead	Dead	Failed top	Remove - Dead	Hazard	N/A
1606	<i>Populus tremuloides</i>	Trembling Aspen	23	-	-	-	23	2.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
1607	<i>Populus tremuloides</i>	Trembling Aspen	16	-	-	-	16	2.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
1608	<i>Populus tremuloides</i>	Trembling Aspen	16	-	-	-	16	1.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
1609	<i>Fraxinus pennsylvanica</i>	Green Ash	21	-	-	-	21	1.0	Good	Fair	Fair	Fair		Remove	Within Proposed Construction	Removal
1610	<i>Tilia americana</i>	Basswood	43	48	-	-	91	4.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
1611	<i>Tilia americana</i>	Basswood	65	-	-	-	65	6.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
1612	<i>Tilia americana</i>	Basswood	16	-	-	-	16	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
1613	<i>Juglans cinerea</i>	Butternut	40	-	-	-	40	3.0	Fair	Fair	Poor	Poor		Remove	Within Proposed Construction	Removal
1614	<i>Fraxinus pennsylvanica</i>	Green Ash	21	-	-	-	21	1.0	Good	Fair	Fair	Dead		Remove - Dead	Hazard	N/A
1615	<i>Populus alba</i>	White Poplar	32	-	-	-	32	1.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
1616	<i>Juglans cinerea</i>	Butternut	32	22	-	-	54	3.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
1617	<i>Juglans cinerea</i>	Butternut	36	-	-	-	36	3.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
1618	<i>Acer saccharum</i>	Sugar Maple	65	-	-	-	65	3.0	Good	Good	Good	Good		Protect - Hoarding		N/A
1619	<i>Fraxinus pennsylvanica</i>	Green Ash	65	-	-	-	65	3.0	Dead	Dead	Dead	Dead		Protect - Hoarding		N/A
1632	<i>Tilia americana</i>	Basswood	63	-	-	-	63	1619.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
1620	<i>Acer saccharum</i>	Sugar Maple	19	-	-	-	19	1.0	Good	Good	Good	Good		Protect - Hoarding		N/A
1621	<i>Prunus serotina</i>	Black Cherry	19	-	-	-	19	1.0	Good	Good	Good	Good		Protect - Hoarding		N/A
1622	<i>Betula alleghaniensis</i>	Yellow Birch	33	-	-	-	33	3.0	Good	Good	Good	Good		Protect - Hoarding		N/A
1623	<i>Fraxinus pennsylvanica</i>	Green Ash	13	-	-	-	13	1.0	Dead	Dead	Dead	Dead		Protect - Hoarding		N/A
1624	<i>Betula alleghaniensis</i>	Yellow Birch	33	-	-	-	33	3.0	Good	Good	Good	Good		Protect - Hoarding		N/A
1625	<i>Fraxinus pennsylvanica</i>	Green Ash	13	-	-	-	13	1.0	Dead	Dead	Dead	Dead		Protect - Hoarding		N/A
1626	<i>Betula alleghaniensis</i>	Yellow Birch	19	-	-	-	19	1.0	Good	Good	Good	Good		Protect - Hoarding		N/A
1627	<i>Tilia americana</i>	Basswood	24	-	-	-	24	2.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
1628	<i>Populus tremuloides</i>	Trembling Aspen	33	-	-	-	33	2.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
1629	<i>Populus tremuloides</i>	Trembling Aspen	21	-	-	-	21	2.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
1630	<i>Fraxinus pennsylvanica</i>	Green Ash	21	-	-	-	21	2.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
1635	<i>Fraxinus pennsylvanica</i>	Green Ash	40	-	-	-	40	0.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
1631	<i>Juglans cinerea</i>	Butternut	32	22	-	-	54	3.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
1636	<i>Fraxinus pennsylvanica</i>	Green Ash	21	-	-	-	21	3.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
1637	<i>Fraxinus pennsylvanica</i>	Green Ash	21	-	-	-	21	3.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
1641	<i>Fraxinus pennsylvanica</i>	Green Ash	21	-	-	-	21	3.0	Dead	Dead	Dead	Dead		Remove - Dead	Hazard	N/A
1701	<i>Acer saccharum</i>	Sugar Maple	52	-	-	-	52	4.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
1702	<i>Acer saccharum</i>	Sugar Maple	79	-	-	-	79	5.0	Good	Good	Good	Good		Remove	Within Proposed Construction	Removal
1703	<i>Acer saccharum</i>	Sugar Maple	40	-	-	-	40	3.0	Good	Fair	Good	Good		Remove	Within Proposed Construction	Removal
1704	<i>Acer saccharum</i>	Sugar Maple	53	-	-	-	53	3.0	Good	Good	Good	Good		Protect - Hoarding		N/A
1705	<i>Acer saccharum</i>	Sugar Maple	67	-	-	-	67	6.0	Good	Good	Good	Good		Protect - Hoarding		N/A
1706	<i>Acer saccharum</i>	Sugar Maple	46	-	-	-	46	5.0	Good	Good	Good	Good		Protect - Hoarding		N/A
1707	<i>Picea glauca</i>	White Spruce	37	-	-	-	37	3.0	Good	Good	Good	Good		Protect - Hoarding		N/A
1708	<i>Picea glauca</i>	White Spruce	43	-	-	-	43	3.0	Good	Good	Good	Good		Protect - Hoarding		N/A
1709	<i>Acer negundo</i>	Manitoba Maple	10	-	-	-	10	1.0	Good	Good	Good	Good		Protect - Hoarding		N/A
1710	<i>Acer negundo</i>	Manitoba Maple	13	-	-	-	13	1.0	Poor	Good	Good	Fair		Remove	Proposed Driveway	Removal
1712	<i>Rhamnus cathartica</i>	European Buckthorn	11	-	-	-	11	2.0	Good	Good	Good	Good		Remove	Proposed Landscaped Area	Removal
1713	<i>Ulmus americana</i>	American Elm	11	-	-	-	11	1.0	Good	Good	Good	Good		Remove	Proposed Landscaped Area	Removal
628	<i>Thuja occidentalis</i>	Eastern White Cedar	23	-	-	-	23	2.0	Good	Good	Good	Good		Protect - Hoarding		N/A
629	<i>Thuja occidentalis</i>	Eastern White Cedar	23	16	21	-	60	2.0	Good	Good	Good	Good		Protect - Hoarding		N/A
630	<i>Thuja occidentalis</i>	Eastern White Cedar	23	26	19	14	82	2.0	Good	Good	Good	Good		Protect - Hoarding		N/A
631	<i>Thuja occidentalis</i>	Eastern White Cedar	14	20	-	-	34	2.0	Good	Good	Good	Good		Protect - Hoarding		N/A
632	<i>Thuja occidentalis</i>	Eastern White Cedar	19	-	-	-	19	2.0	Good	Good	Good	Good		Protect - Hoarding		N/A

**1. Total 'Action' Trees**

Protect - Hoarding:	43
Protect - No Hoarding:	0
Protect - Reduced TPZ:	0
Remove - Dead:	25
Remove - Construction:	125
<b>Total:</b>	<b>193</b>

**2. Total Trees of Significant, Pruning, Hazard**

Pruning Required:	0
# of hazard trees Injured, No Permit:	0
# of hazard trees Removed, No Permit:	0

**3. Total Permits Required**

Tree Removal Permits:	125
Tree Injury Permits:	0
<b>Total Municipal Permits Required:</b>	<b>125</b>

**TABLE B. General Tree Inventory**  
**2656 Concession Road 4, Clarington, Ontario**  
**Data collected: April 22, June 2, August 11, 2025**

**Vegetation Unit 1**

Quantity	Botanical Name	Common Name	DBH Range (cm)	Condition				Comments	Action	Removal/Injury Justification
				Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition			
6	<i>Thuja occidentalis</i>	Eastern White Cedar	11-15	Good	Good	Good	Good		Protect - Hoarding	
4	<i>Thuja occidentalis</i>	Eastern White Cedar	11-15	Good	Good	Good	Good		Remove	Within Construction Area

**Vegetation Unit 2**

Quantity	Botanical Name	Common Name	DBH Range (cm)	Condition				Comments	Action	Removal/Injury Justification
				Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition			
4	<i>Acer negundo</i>	Manitoba Maple	6-10	Good	Good	Good	Good		Protect - Hoarding	
8	<i>Rhamnus cathartica</i>	European Buckthorn	6-10	Good	Good	Good	Good		Protect - Hoarding	
6	<i>Acer negundo</i>	Manitoba Maple	6-10	Good	Good	Good	Good		Remove	Within Construction Area
12	<i>Rhamnus cathartica</i>	European Buckthorn	6-10	Good	Good	Good	Good		Remove	Within Construction Area

**Vegetation Unit 3**

Quantity	Botanical Name	Common Name	DBH Range (cm)	Condition				Comments	Action	Removal/Injury Justification
				Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition			
8	<i>Syringa vulgaris</i>	Common Lilac	1-5	Good	Good	Good	Good		Protect - Hoarding	
2	<i>Syringa vulgaris</i>	Common Lilac	1-5	Good	Good	Good	Good		Remove	Within Construction Area

**Vegetation Unit 4**

Quantity	Botanical Name	Common Name	DBH Range (cm)	Condition				Comments	Action	Removal/Injury Justification
				Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition			
20	<i>Thuja occidentalis</i>	Eastern White Cedar	11-15	Good	Good	Good	Good		Remove	Within Construction Area

**Vegetation Unit 5**

Quantity	Botanical Name	Common Name	DBH Range (cm)	Condition				Comments	Action	Removal/Injury Justification
				Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition			
7	<i>Thuja occidentalis</i>	Eastern White Cedar	1-5	Good	Good	Good	Good		Protect - Hoarding	
3	<i>Thuja occidentalis</i>	Eastern White Cedar	1-5	Good	Good	Good	Good		Remove	Within Construction Area

**TABLE B. General Tree Inventory**  
**2656 Concession Road 4, Clarington, Ontario**  
**Data collected: April 22, June 2, August 11, 2025**

**Vegetation Unit 6**

Quantity	Botanical Name	Common Name	DBH Range (cm)	Condition				Comments	Action	Removal/Injury Justification
				Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition			
30	<i>Rhamnus cathartica</i>	European Buckthorn	1-5	Good	Good	Good	Good		Remove	Within Construction Area

**Vegetation Unit 7**

Quantity	Botanical Name	Common Name	DBH Range (cm)	Condition				Comments	Action	Removal/Injury Justification
				Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition			
25	<i>Rhamnus cathartica</i>	European Buckthorn	1-5	Good	Good	Good	Good		Remove	Within Construction Area

**Vegetation Unit 8**

Quantity	Botanical Name	Common Name	DBH Range (cm)	Condition				Comments	Action	Removal/Injury Justification
				Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition			
10	<i>Syringa vulgaris</i>	Common Lilac	1-5	Good	Good	Good	Good		Remove	Within Construction Area

**Vegetation Unit 9**

Quantity	Botanical Name	Common Name	DBH Range (cm)	Condition				Comments	Action	Removal/Injury Justification
				Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition			
50	<i>Thuja occidentalis</i>	Eastern White Cedar	6-9	Good	Good	Good	Good		Remove	Within Construction Area
100	<i>Thuja occidentalis</i>	Eastern White Cedar	10-15	Good	Good	Good	Good		Remove	Within Construction Area

**Vegetation Unit 10**

Quantity	Botanical Name	Common Name	DBH Range (cm)	Condition				Comments	Action	Removal/Injury Justification
				Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition			
20	<i>Rhamnus cathartica</i>	European Buckthorn	6-9	Good	Good	Good	Good		Remove	Within Construction Area

**TABLE B. General Tree Inventory**  
**2656 Concession Road 4, Clarington, Ontario**  
**Data collected: April 22, June 2, August 11, 2025**

**Vegetation Unit 11**

Quantity	Botanical Name	Common Name	DBH Range (cm)	Condition				Comments	Action	Removal/Injury Justification
				Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition			
25	<i>Thuja occidentalis</i>	Eastern White Cedar	6-9	Good	Good	Good	Good		Protect - Hoarding	
25	<i>Thuja occidentalis</i>	Eastern White Cedar	6-9	Good	Good	Good	Good		Remove	Within Construction Area

**Vegetation Unit 12**

Quantity	Botanical Name	Common Name	DBH Range (cm)	Condition				Comments	Action	Removal/Injury Justification
				Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition			
3	<i>Rhamnus cathartica</i>	European Buckthorn	6-9	Good	Good	Good	Good		Protect - Hoarding	
22	<i>Rhamnus cathartica</i>	European Buckthorn	6-9	Good	Good	Good	Good		Remove	

**1. 'Total 'Action' Trees**

Protect - Hoarding:	61
Remove - Construction:	329
<b>Total:</b>	<b>390</b>

**2. Total Trees of Significant, Pruning, Hazard**

Pruning Required:	0
# of hazard trees Removed, No Permit:	0

**3. Total Permits Required**

Tree Removal Permits:	0
<b>Total Municipal Permits Required:</b>	<b>0</b>

**4. Total Compensation Required**

Compensation Required for Trees Removed:	0
<b>Total Compensation Required (Qty. of Trees):</b>	<b>0</b>