



DILLON
CONSULTING

1027458 ONTARIO INC.

North Neighbourhood (Phases 6 & 7)

Natural Site Features Inventory & Preservation Study



September 2023 – 22-4864 & 22-4866

September 22, 2023



SENT BY ELECTRONIC MAIL ONLY

350 City Hall Square, Suite 210
Windsor, Ontario
N9A 6S1

Attention: Stefan Fediuk, Landscape Architect
Yemi Adeyeye, City Forester/Manager Forests & Natural Areas

3200 Deziel Drive
Suite 608
Windsor, Ontario
Canada
N8W 5K8
Telephone
519.948.5000
Fax
519.948.5054

Natural Site Features Inventory & Preservation Study for North Neighbourhood
(Phases 6 & 7)

Please find enclosed the results of a Tree Inventory completed to identify existing trees for a proposed development at North Neighbourhood (Phases 6 & 7), in the City of Windsor. This report outlines the results of the inventory which occurred on April 10, 14, 20, 27, and May 16, 2023. These results were used to prepare a Preservation Study report to support a Zoning By-law Amendment. The report summarizes the results of the tree inventory conducted for areas potentially impacted by the proposed development and provides recommendations for trees to be removed or retained.

Sincerely,

DILLON CONSULTING LIMITED

A handwritten signature in black ink that reads "Brad McLeod".

Brad McLeod, M.Sc.
Biologist
BTM:smg

A handwritten signature in black ink that reads "Steven Greidanus".

Steven Greidanus
ISA Certified Arborist – ON2992A

Our file: 22-4864 & 22-4866

Encls. Natural Site Features Inventory & Preservation Study

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1.0 Introduction

Dillon Consulting Limited (“Dillon”) was retained by 1027458 Ontario Inc. (the “proponent”), to conduct a Natural Site Features Inventory & Preservation Study to support a Zoning By-law Amendment for a proposed development in the City of Windsor (the “City”). The need for this report was identified in a Pre-submission Consultation letter received from the City on February 17, 2023.

The proposed development will be located east of 10835 Riverside Drive East (Appendix A; Figure 1) and southeast of Wyandotte Street East and Clover Avenue (Appendix A; Figure 2). Dillon’s services included documentation of existing trees within the properties that make up the development area in addition to a 6 m buffer onto adjacent lands (the “Project Location”). The report and figures summarize the tree inventory conducted by Dillon for lands within and adjacent to the Project Location and provide recommendations regarding tree removals and preservation, as well as information related to applicable tree protection policies.

This report has been written to support the proposed development and will be submitted to the City. It contains a detailed inventory of trees within the Project Location that may be potentially impacted by construction. Additionally, it describes the development and anticipated construction impact to trees.

1.1 Development Description

The proponent is proposing to develop the Project Location into a residential development.

1.2 Applicable Policy

1.2.1 City of Windsor

The requirement for this report is based on the Pre-submission Consultation letter received from the City. Further to this requirement, Volume I (Procedures), Chapter 10, Section 10.2.14 of the City’s Official Plan has additional, specific requirements. The City By-law 135-2004 (Trees on Highways) applies to this project, as the By-law regulates the planting of trees and prohibits the destruction or injuring of trees on highways in the City or on any lands owned by the City.

1.2.2 Migratory Birds Convention Act

Environment and Climate Change Canada implements the Migratory Birds Convention Act (MBCA; 1994) to protect migratory birds and their nests. A person shall not harm a migratory bird or nest without authorization under the regulations. In order to mitigate potential affects to migratory birds, vegetation removals shall occur outside of the breeding bird season (April 1 to August 31) to avoid the core period

of bird nesting. If vegetation removal is required within this period, an avian survey is recommended to be conducted by a qualified biologist within the planned vegetation removal area before the removal activities to determine the presence or absence of nesting birds. If no active bird nest is observed during the survey, vegetation removal may proceed if conducted within 48 hours of completing the survey. Avian survey results shall be valid for 48 hours from the completion of the survey. Should an active bird nest be observed during the survey, vegetation removal that may harm a migratory bird or nest shall be avoided until a subsequent survey confirms the nest is no longer active and/or until authorization is obtained.

Methods

A tree inventory was conducted on April 10, 14, 20, 27, and May 16, 2023, by a qualified Dillon Biologist within the Project Location and a 6 m buffer. Trees subject to the inventory were those with a diameter-at-breast-height (DBH) of 10 centimetres (cm) or greater. The collected data pertained to trees that require removal to facilitate development or trees anticipated to be retained and protected during construction operations. The information recorded consisted of the following:

- Identification of species or genus where determinable using reasonable assumptions based on location, leaves, bark, bud, branches, and growth habit;
- Measurement of DBH at 1.4 metres (m) from the ground;
- Assignment of a unique identification number for trees ≥ 10 cm DBH, where applicable. Note: Trees with multiple stems split below breast height were given one unique identification number;
- A Level 2 (basic) qualitative visual assessment to determine tree or tree grouping condition, following the condition health rating system detailed in Table 1;
- Marking coordinates using a handheld Global Positioning System (GPS) unit; and
- If determinable and/or applicable, providing recommendations regarding preservation, protection, or removal.

The Level 2 basic assessment that was completed for trees within the Project Location is a detailed visual inspection of the trees and surrounding area to obtain an opinion of the health condition of each tree. It includes a non-invasive inspection of each tree (i.e. looking at the site conditions, buttress roots, trunk, and branches). This basic assessment is the standard basic assessment that is performed by arborists, though only includes conditions that are detected from the ground. 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.

The condition rating designated to each tree was based on the results of the basic assessment. The hazard potential of trees was assessed using the method outlined in the International Society of Arboriculture publication *A Photographic Guide to the Evaluation of Hazard Trees in Urban Area - 2nd Edition* (Matthey and Clark, 1994). Using this guide, an overall condition rating (i.e. dead, hazard, poor, fair, good, or excellent) was given to each tree meeting a 10 cm or greater DBH. These condition ratings are useful when evaluating the retention and/or replacement value of individual trees. Trees were identified using all reasonable means available at the time of survey, such as leaf, bud, and bark characteristics, tree form, and branch orientations.

Table 1: Tree Condition Rating Categories

Condition	Description
Dead	A specimen tree is considered dead when it has no living tissue.
Hazard	The specimen tree could either be alive or dead but the tree in its part could pose an imminent hazard to people or property during normal weather conditions. These trees have the potential for splitting, breaking, and/or falling over during inclement weather, and because of their proximity to various targets (i.e. people or property), could cause personal injury and/or severe damage to municipal infrastructure and/or private property.
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, and 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	The specimen tree shows 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	The specimen tree shows 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.

3.0 Results

The inventory documented 614 trees (531 client-owned trees and 83 not client-owned trees) with a DBH of 10 cm or greater within the Study Area. The locations of the inventoried trees are presented in Appendix A with photographs of the assessed trees included in Appendix B. Detailed tree inventory results including species, DBH, condition, and other relevant information recorded during the tree inventory are provided in Appendix C.

A total of 14 species of trees were documented, with 12 species identified to the species level and two species identified to the genus level. Additionally, there were trees that could not be identified due to their condition and were labeled as “unknown”. Eastern Cottonwood (*Populus deltoides* ssp. *deltoides*) was the dominant species, accounting for 47% of the trees inventoried, followed by Freeman’s Maple (*Acer x freemanii*) at 23%. A summary of inventoried trees can be found in Table 2 below.

Overall, out of the 614 documented trees, 570 (93%) are native to Ontario, while 33 (5%) are non-native species. The remaining 11 trees (2%) could not be classified as non-native or native due to their condition or because identification only to genus level was possible.

Table 2: Summary of Inventoried Trees by Species

Family	Scientific Name	Common Name	SARA ¹	ESA ²	SRank ³	Invasive Priority for Control ⁴	Count
Fabaceae	<i>Gleditsia triacanthos inermis</i>	Thornless Honey-locust	---	---	SNA	---	1
Fabaceae	<i>Robinia pseudoacacia</i>	Black Locust	---	---	SNA	C3	23
Juglandaceae	<i>Juglans nigra</i>	Black Walnut	---	---	S4	---	1
Tiliaceae	<i>Tilia cordata</i>	Little-leaf Linden	---	---	SNA	C3	4
Rhamnaceae	<i>Rhamnus cathartica</i>	Common Buckthorn	---	---	SNA	C1	4
Rosaceae	<i>Crataegus</i> sp.	Hawthorn species	---	---	---	---	4
Salicaceae	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	---	---	S5	---	288
Salicaceae	<i>Salix</i> sp.	Willow species	---	---	---	---	4
Aceraceae	<i>Acer negundo</i>	Manitoba Maple	---	---	S5	C2	133
Aceraceae	<i>Acer saccharinum</i>	Silver Maple	---	---	S5	---	1
Aceraceae	<i>Acer x freemanii</i>	Freeman’s Maple	---	---	SNA	---	142
Oleaceae	<i>Fraxinus pennsylvanica</i>	Green Ash	---	---	S4	---	1
Moraceae	<i>Morus alba</i>	White Mulberry	---	---	SNA	C1	1

Family	Scientific Name	Common Name	SARA ¹	ESA ²	SRank ³	Invasive Priority for Control ⁴	Count
Ulmaceae	Ulmus americana	American Elm	---	---	S5	---	4
Unknown (dead)	Unknown (dead)	Unknown (dead)	---	---	---	---	3
Total							614

¹Status identified under the federal Species at Risk Act; ²Status identified under the provincial Endangered Species Act; ³SRank is an indicator of commonness in the Province of Ontario. A scale between 1 and 5: S5 = widespread and secure, S4 = common and apparently secure, SNA = not applicable; ⁴Invasive Exotic Plant Species Rankings for Southern Ontario (Draft - Urban Forest Associates/MNRF 2014). Category 1 (C1) - Top Priority: Widespread invasive species that exclude most other species and dominate sites indefinitely. Some are an imminent threat to human health. They are the top priority for control, but control may be difficult, and some are beyond control at present. Biocontrols may be the only affective long-term control option. Plants in this category are a threat to a natural area wherever they occur because they disperse widely and benefit from human disturbances. Control where possible and do not plant; --- denotes no information or not applicable.

4.0 Tree Preservation and Removals

This section provides preliminary recommendations for tree removal and preservation. A summary of the analysis used to determine tree retention or removal is also provided. Based on the current site plan (including building envelopes, hard surfaces, etc.), of the 614 trees identified within the Study Area, 278 are observed to be preserved (195 client-owned trees and 83 not client-owned trees). Refer to Appendix A; Figures 3 through 5 for the locations of identified trees in relation to the site plan. It should be noted that during detailed design, effort will be made to retain as many other trees as possible as landscaping trees. Tree preservation and removals will occur at the Site Plan Control Approval phase of the development.

4.1 Tree Removals

Of the inventoried trees, 336 trees are required to be removed (336 client-owned trees and 0 not client-owned trees).

Trees recommended for removal are symbolized in red (client-owned) on the Tree Inventory figures (Appendix A; Figure 3 through 5) and are identified in the tree inventory table (Appendix C). Of the 336 trees identified for removal, 0 trees are in excellent condition, 317 trees are in good condition, 5 trees are in fair condition, 4 trees are in poor condition, and 10 trees are dead.

Client-owned tree removals should be conducted by qualified and ISA-certified arborist following best arboricultural practices. Removal activities should avoid or minimize impacts to adjacent trees to be preserved (as identified below), and timing of removals should consider the project schedule of other construction activities (e.g. conduct removals following the installation of site fencing and/or tree protection fencing).

4.2 Tree Preservation

Of the inventoried trees, 278 trees are recommended to be retained (195 client-owned trees and 83 not client-owned trees).

During the detailed design stage, if any trees are to be retained, it is important to consider the potential impacts of construction activities on preserved trees. These impacts may include changes to soil conditions due to alterations in grade, as well as physical damage. Compaction of the soil, either by design or due to using heavy machinery within root zones, can affect root systems during construction. Similarly, the placement or removal of fill material within a root zone can cause root system impairments (e.g. lack of oxygen). Trees require a loosely compact soil medium for root growth, oxygen uptake, and absorption of water and nutrients. Soil compaction and grading changes 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. In addition, accidental contact between construction equipment and trees can cause physical damage to the trunk and crown.

The following recommendations are provided regarding the trees to be preserved.

4.2.1 Pre-construction Maintenance

Prior to construction activities, overhanging limbs of trees to be preserved should be pruned in a manner that minimizes physical damage and promotes quick wound closure and regeneration. Maintenance of limbs should be carried out by a qualified arborist.

Trees recommended for preservation which have declined in condition or become hazardous since the writing of this report should be reassessed by an arborist upon commencement and/or completion of construction and removed.

4.2.2 Tree Protection Measures

A tree's Critical Root Zone (CRZ) is the below-ground area containing the primary roots that are most critical to its survival and which are most susceptible to disturbance impacts. The size of the CRZ is typically proportional to the tree's age and stem diameter and can be estimated as a circular area around the tree's stem, with a radius calculated based on the tree's DBH (Appendix A; Figure 3 through 5).

To minimize the impact of adjacent construction work, a Tree Protection Zone (TPZ) should be established for each tree to be retained. The intent of a TPZ is to protect a tree's roots and soil to ensure impacts on overall health and stability are minimized. The TPZ would align with the CRZ. An example of tree protection fencing is provided in Appendix D.

The TPZ calculated for trees to be preserved was made using a standard calculation from the ISA. The TPZ is calculated by multiplying the DBH by 12 and dividing by 100 to provide the TPZ in metres (Appendix C). Protection fencing should be installed at the edge of the TPZ, where possible. The fenced TPZ should be clear of building materials, waste, soil stockpiles, and construction equipment. Subject to finalization of construction plans, the following activities should not occur within the TPZ:

- Construction;
- Altering of grade by adding fill, excavating, trenching, scraping, dumping, or disturbance of any kind;
- Storage of construction materials, equipment, soil, construction waste, or debris;
- Disposal of any liquids (e.g. concrete slurry, gas, oil, paint);

- Movement of vehicles, equipment, or pedestrians; and
- Parking of vehicles or machinery.

If the above recommendations are followed, potential impacts to root zones from compaction are expected to be minor and localized. There should be no excavation (e.g. stripping or trenching) within the TPZ though in some instances, a TPZ which extends into the construction zone may require minor adjustments to facilitate access for construction personnel, equipment and may require excavation.

Directional micro-tunneling, track boring, and other sub-surface drilling can generally be undertaken within the limits of a TPZ without impacts on the respective tree, depending on the depth of drilling. Open-face cuts that require root pruning within a TPZ should be completed under the supervision of an ISA Certified Arborist or approved tree professional. An exploratory dig to expose the roots that may be impacted can be completed either by hand, using an air pressure dry-vac method (low air pressure has less impact on roots); air spade or other suitable alternative should be completed prior to commencing with open face cuts within the TPZ.

4.2.3 Post-construction Tree Maintenance and Monitoring

Post-construction tree maintenance methods will be used as required to repair any damage caused to trees by construction activities. These include, but are not limited to the following:

- Treating trunk and crown injuries (e.g. pruning, cabling, bracing, repairing wounds to damaged bark and trunks, etc.);
- Irrigation and drainage;
- Mulching; and
- Aeration of the root zone for compacted areas.

Within 12 months of the completion of construction, an assessment of preserved trees, if available, within the Project Location should be conducted. Trees which are dead, in poor health, or hazardous should be removed or pruned, as determined by a qualified arborist. Tree removal should occur prior to home occupancy to avoid foreseeable risk of trees falling and causing damage or harm to people and/or property.

Compensation plantings should be monitored periodically after construction to ensure survival. Should tree condition decline, necessary steps should be taken to ensure that the impacted trees are restored or replaced.

Post-construction maintenance and monitoring are to be carried out by a qualified arborist skilled in the above-listed methods.

4.3 Compensation for Tree Removals

A Landscape and Planting Plan, detailing where tree compensation will occur and what species are recommended for planting will be submitted to the City after exact development extents are known and therefore, the number of trees to be preserved is also known, and following Zoning By-law Amendment Approval. Tree preservation and removals will occur at the Site Plan Control Approval phase of the development.

Upon finalization of the Landscape and Planting Plan, and subject to discussion with the City, compensation in the form of landscape trees (e.g. within parks, lots, or boulevards) and/or restoration plantings on-site or off-site may be required.

Species, condition, size/DBH, and other characteristics of existing trees should be considered in discussions regarding fair compensation for removals. For compensation on the client-owned trees, we recommend that DBH replacement for excellent (0), good (317), and fair (5) trees (322 total trees) may be appropriate to determine the number of plantings required or equal monetary compensation.

5.0

Conclusion

Dillon Consulting Limited was retained by 1027458 Ontario Inc., to undertake a Natural Site Features Inventory and Preservation Study to support a proposed development located southeast of Wyandotte Street East and Clover Avenue and also east of 10835 Riverside Drive East in the City of Windsor. An inventory of trees was completed on April 10, 14, 20, 27, and May 16, 2023 and 614 trees were documented. To facilitate construction of the proposed development, 336 client-owned, private trees are required to be removed. A total of 278 trees (195 client-owned trees and 83 not client-owned trees) are recommended for preservation during construction, however it should be noted that during detailed design, effort will be made to retain as many other trees as possible as landscaping trees. Detailed recommendations for tree removals, maintenance, and preservation were provided.

References

- Farrar, J.L. 1995. Trees in Canada. Seventh Impression 2000. Fitzhenry & Whiteside Limited, Markham, Ontario and the Canadian Forestry Service, Natural Resources Canada, Ottawa, in cooperation with Public Works and Government Services Canada.
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- Smiley, E.T., N.P. Matheny, and S. Lilly. 2012. Tree Risk Assessment: Levels of Assessment. ISA News, April 2012 Issue. pp. 12-20.
- Voss, E.G. and A.A. Reznicek. 2012. Field Manual of Michigan Flora. The University of Michigan Press. Ann Arbor.

Appendix A

Figures





NORTH NEIGHBOURHOOD PHASE 7

NATURAL SITE FEATURES
INVENTORY & PRESERVATION
STUDY
1027458 ONTARIO INC.

PROJECT LOCATION

FIGURE 1

-  Project Location
-  Study Area (6 m)



SCALE 1:2,000

0 15 30 60 m



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNR, DILLON CONSULTING
AERIAL IMAGERY PROVIDED BY ESRI

MAP CREATED BY: DU
MAP CHECKED BY: BM
MAP PROJECTION: NAD 1983 UTM Zone 17N



PROJECT: 22-4866
STATUS: DRAFT
DATE: 2023-06-14





NORTH NEIGHBOURHOOD PHASE 6

NATURAL SITE FEATURES
INVENTORY & PRESERVATION
STUDY
1027458 ONTARIO INC.

PROJECT LOCATION

FIGURE 2

-  Project Location
-  Study Area (6 m)



SCALE 1:2,000

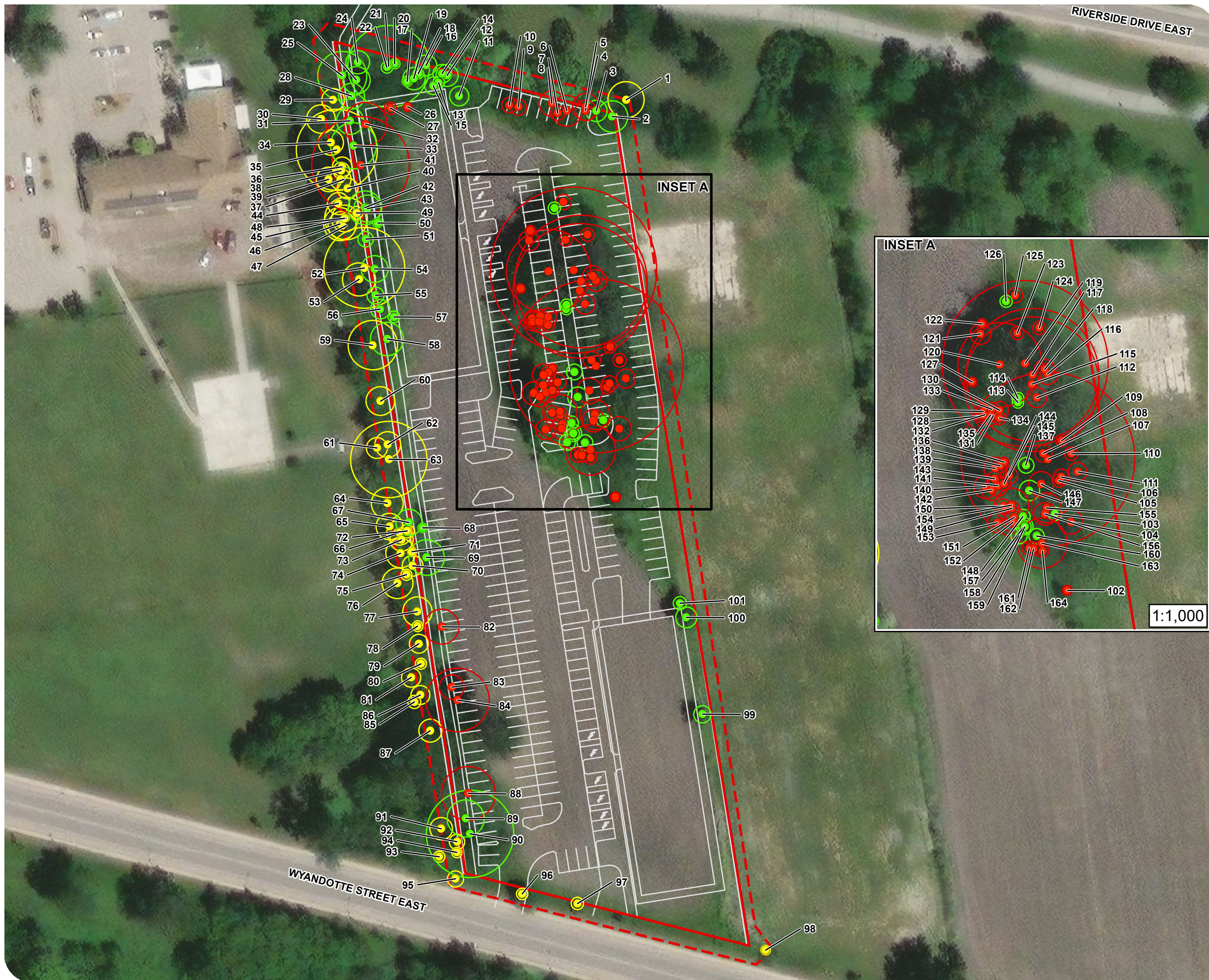


MAP DRAWING INFORMATION:
DATA PROVIDED BY MNR, DILLON CONSULTING
AERIAL IMAGERY PROVIDED BY ESRI

MAP CREATED BY: DU
MAP CHECKED BY: BM
MAP PROJECTION: NAD 1983 CSRS Ontario MNR Lambert



PROJECT: 22-4864
STATUS: DRAFT
DATE: 2023-06-14



NORTH NEIGHBOURHOOD PHASE 7

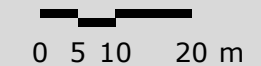
NATURAL SITE FEATURES
INVENTORY & PRESERVATION
STUDY
1027458 ONTARIO INC.

PROPOSED DEVELOPMENT AND POTENTIAL IMPACTS

FIGURE 3

- Project Location
- Study Area (6 m)
- Proposed Development
- Client Owned**
 - Tree to be retained
 - Tree to be removed
- Not Client Owned**
 - Tree to be retained
- Critical Root Zone

SCALE 1:1,000

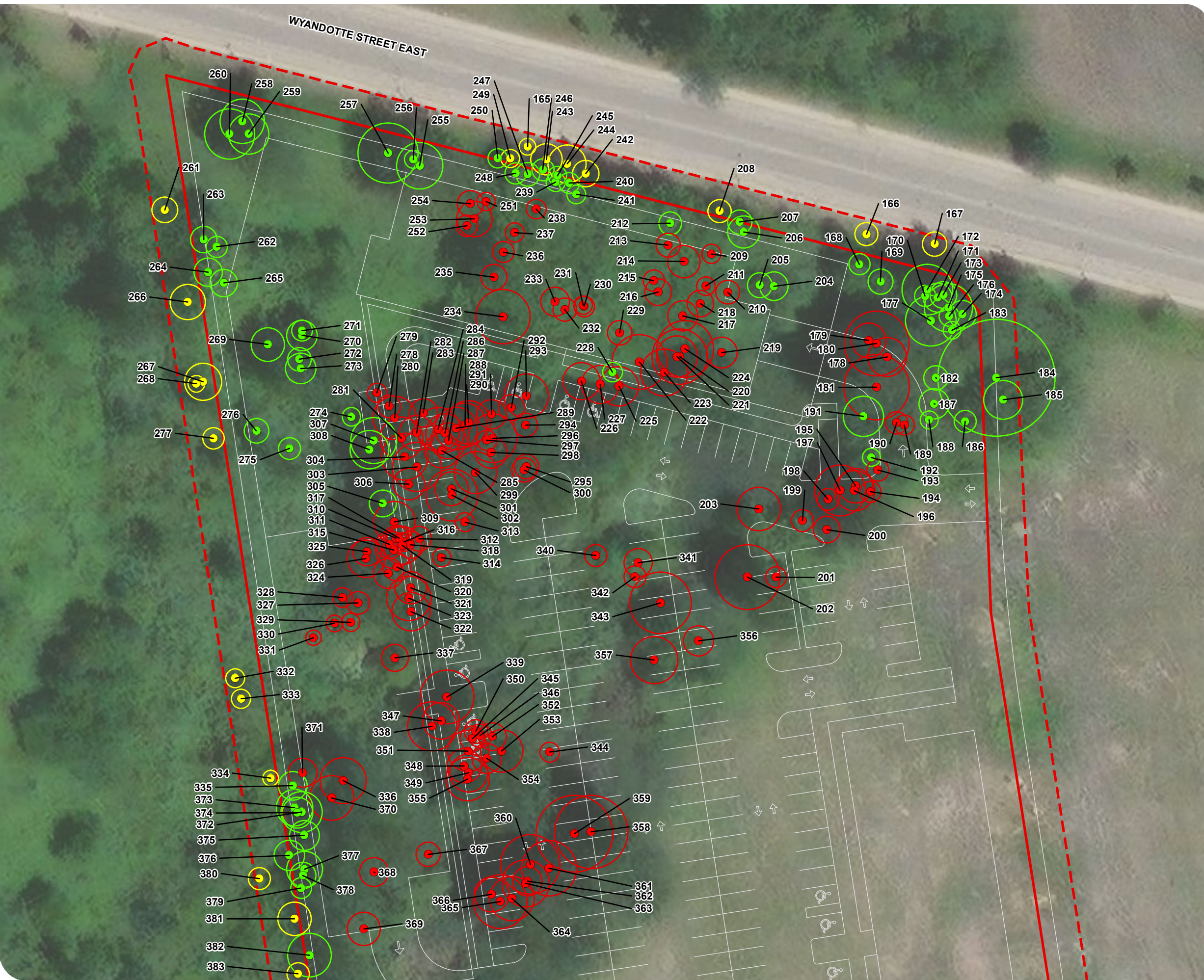


MAP DRAWING INFORMATION:
DATA PROVIDED BY MNR, DILLON CONSULTING
AERIAL IMAGERY PROVIDED BY ESRI

MAP CREATED BY: DU
MAP CHECKED BY: BM
MAP PROJECTION: NAD 1983 UTM Zone 17N



PROJECT: 22-4866
STATUS: DRAFT
DATE: 2023-08-08



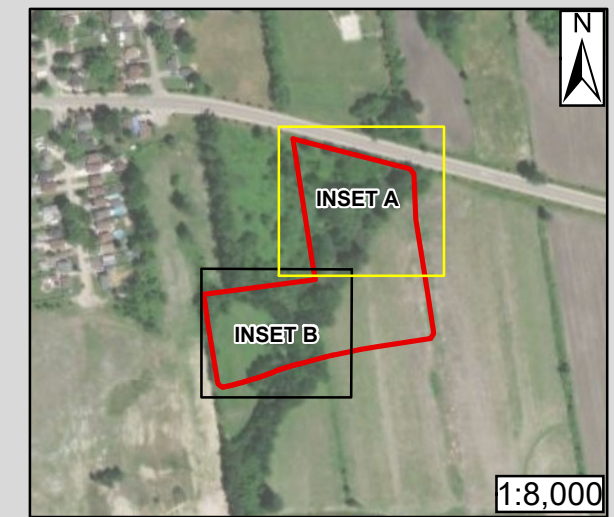
NORTH NEIGHBOURHOOD PHASE 6

NATURAL SITE FEATURES
INVENTORY & PRESERVATION
STUDY
1027458 ONTARIO INC.

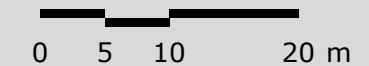
PROPOSED DEVELOPMENT AND POTENTIAL IMPACTS

FIGURE 4

- Project Location
- Study Area (6 m)
- Proposed Development
- Client Owned**
 - Trees to be Retained
 - Trees to be Removed
- Not Client Owned**
 - Trees to be retained
- Critical Root Zone



SCALE 1:585



MAP DRAWING INFORMATION:
DATA PROVIDED BY MNR, DILLON CONSULTING
AERIAL IMAGERY PROVIDED BY ESRI

MAP CREATED BY: DU
MAP CHECKED BY: BM
MAP PROJECTION: NAD 1983 UTM Zone 17N



PROJECT: 22-4864
STATUS: DRAFT
DATE: 2023-08-08

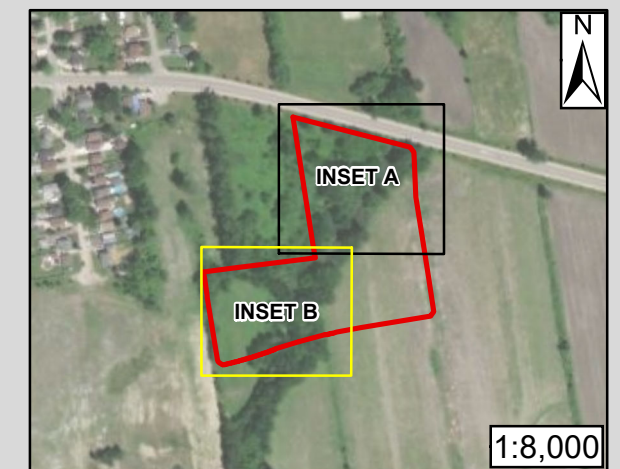
NORTH NEIGHBOURHOOD PHASE 6

NATURAL SITE FEATURES
INVENTORY & PRESERVATION
STUDY
1027458 ONTARIO INC.

PROPOSED DEVELOPMENT AND POTENTIAL IMPACTS

FIGURE 5

- Project Location
- Study Area (6 m)
- Proposed Development
- Client Owned**
 - Trees to be Retained
 - Trees to be Removed
- Not Client Owned**
 - Trees to be retained
 - Critical Root Zone

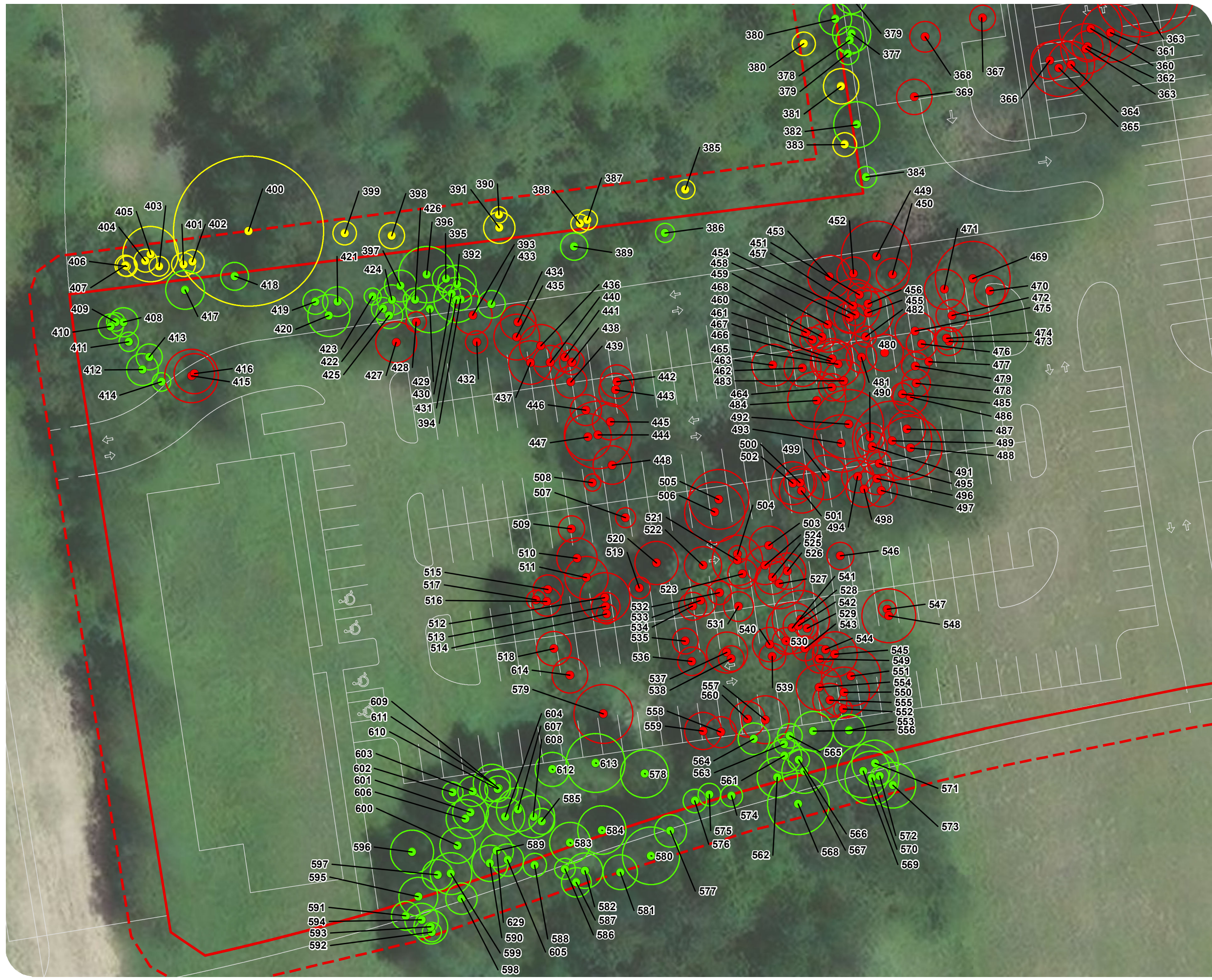


MAP DRAWING INFORMATION:
DATA PROVIDED BY MNR, DILLON CONSULTING
AERIAL IMAGERY PROVIDED BY ESRI

MAP CREATED BY: DU
MAP CHECKED BY: BM
MAP PROJECTION: NAD 1983 UTM Zone 17N



PROJECT: 22-4864
STATUS: DRAFT
DATE: 2023-08-09



Appendix B

Tree Photographs



Tree 1 (right): Eastern Cottonwood
Tree 2 (left): Manitoba Maple



Tree 3 (right), 4 (centre), and 5 (left): Manitoba Maple



Tree 6: Manitoba Maple



Tree 7 (right) and 8 (left): Manitoba Maple



Tree 9 (right) and 10 (left): Manitoba Maple



Tree 11: Manitoba Maple



Tree 12: Manitoba Maple



Tree 13 (right): Manitoba Maple
Tree 14 (centre) and 15 (left): Freeman's Maple



Tree 16 (right), 17 (left), and 19 (one right of left): Manitoba Maple
Tree 18 (one left of right): Eastern Cottonwood



Tree 20 (right), 21 (centre), and 22 (left): Eastern Cottonwood



Tree 23 (right) and 24 (centre): Eastern Cottonwood
Tree 25 (left): Manitoba Maple



Tree 26: Freeman's Maple



Tree 27: Eastern Cottonwood



Tree 28 (right) and 29 (left): Manitoba Maple



Tree 30-94



Tree 95: Little-leaf Linden



Tree 96: Black Locust



Tree 97: Little-leaf Linden



Tree 98: Thornless Honey-locust

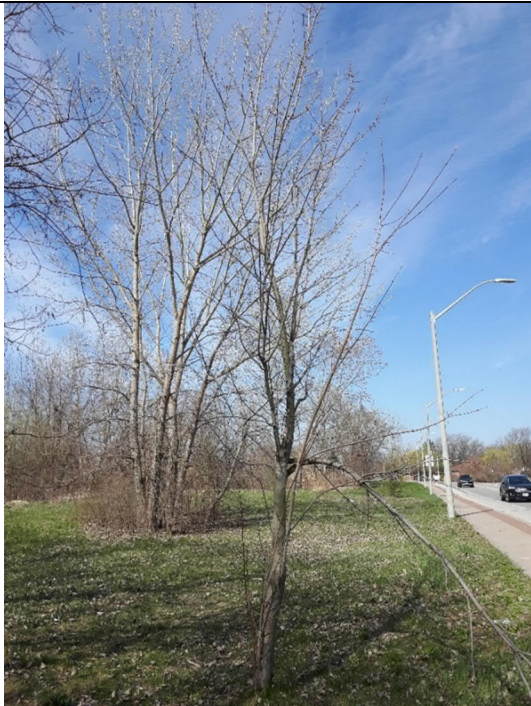


Tree 99: American Elm



Tree 100 (left) and 101 (right): American Elm

Tree 102-164



Tree 165: Silver Maple

Tree 166: Little-leaf Linden



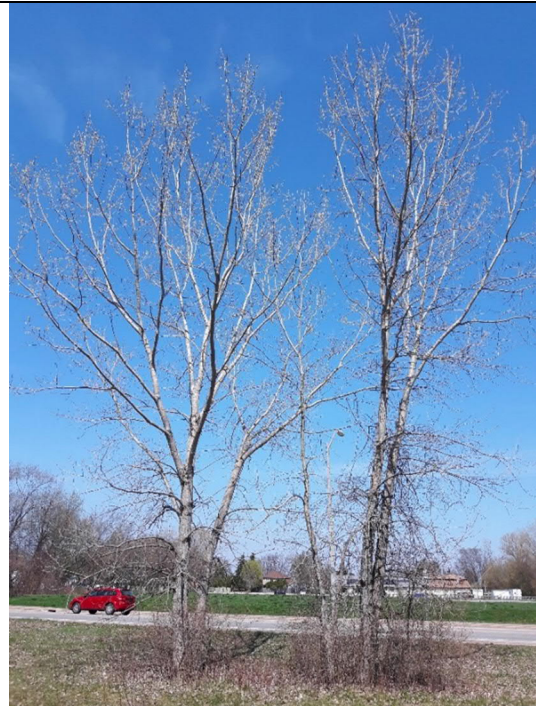
Tree 167: Little-leaf Linden



Tree 168-203



Tree 204-254



Tree 255 (right), 256 (centre), and 257 (left):
Eastern Cottonwood



Tree 258 (right), 259 (centre), and 260 (left):
Eastern Cottonwood

Tree 261-385



Tree 386-448

Tree 449-506

	
<p>Tree 507-614</p>	

Appendix C

Detailed Tree Inventory

Appendix C - Detailed Tree Inventory

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
1	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	40.6, 29.4	4.87	Good		Retain - not client-owned	Not within construction footprint
2	<i>Acer negundo</i>	Manitoba Maple	35.2, 27.7, 18.9	4.22	Good		Retain	Not within construction footprint
3	<i>Acer negundo</i>	Manitoba Maple	23.7, 17.1	2.84	Good		Retain	Not within construction footprint
4	<i>Acer negundo</i>	Manitoba Maple	22.9, 21.0, 20.7, 20.3, 15.6, 10.2	2.75	Good		Remove	Within construction footprint
5	<i>Acer negundo</i>	Manitoba Maple	30.1, 22.3	3.61	Good		Remove	Within construction footprint
6	<i>Acer negundo</i>	Manitoba Maple	34.8, 13.1, 12.8	4.18	Good		Remove	Within construction footprint
7	<i>Acer negundo</i>	Manitoba Maple	16.2	1.94	Good		Remove	Within construction footprint
8	<i>Acer negundo</i>	Manitoba Maple	28.7, 19.6	3.44	Good		Remove	Within construction footprint
9	<i>Acer negundo</i>	Manitoba Maple	18.1, 17.5, 16.1, 13.4	2.17	Good		Remove	Within construction footprint
10	<i>Acer negundo</i>	Manitoba Maple	17.4	2.09	Good		Remove	Within construction footprint
11	<i>Acer negundo</i>	Manitoba Maple	21.8, 18.1	2.62	Good		Retain	Not within construction footprint
12	<i>Acer negundo</i>	Manitoba Maple	24.7, 22.6, 19.4, 17.3, 17.1, 15.2, 12.6, 12.6, 10.0	2.96	Fair		Retain	Not within construction footprint
13	<i>Acer negundo</i>	Manitoba Maple	13.1, 13.1, 12.5	1.57	Good		Retain	Not within construction footprint
14	<i>Acer x freemanii</i>	Freeman's Maple	20.8	2.50	Good		Retain	Not within construction footprint
15	<i>Acer x freemanii</i>	Freeman's Maple	19.6, 18.7	2.35	Good		Retain	Not within construction footprint
16	<i>Acer negundo</i>	Manitoba Maple	23.5, 16.5, 15.2, 13.2, 10.5, 10.1	2.82	Good		Retain	Not within construction footprint
17	<i>Acer negundo</i>	Manitoba Maple	11.5	1.38	Good		Retain	Not within construction footprint
18	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	11.7	1.40	Good		Retain	Not within construction footprint
19	<i>Acer negundo</i>	Manitoba Maple	25.1, 23.0, 20.8, 12.5	3.01	Good		Retain	Not within construction footprint
20	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	11.5	1.38	Good		Retain	Not within construction footprint
21	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	92.0, 14.5, 13.8, 10.1	11.04	Good		Retain	Not within construction footprint
22	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	13.2, 10.0	1.58	Good		Retain	Not within construction footprint
23	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	30.9, 25.1	3.71	Good		Retain	Not within construction footprint
24	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	26.3, 23.0	3.16	Good		Retain	Not within construction footprint
25	<i>Acer negundo</i>	Manitoba Maple	54.8	6.58	Dead		Retain	Not within construction footprint
26	<i>Acer x freemanii</i>	Freeman's Maple	10	1.20	Good		Remove	Within construction footprint
27	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	13.9	1.67	Good		Remove	Within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
28	Acer negundo	Manitoba Maple	28.8	3.46	Good		Retain	Not within construction footprint
29	Acer negundo	Manitoba Maple	25.4, 21.4, 19.7, 17.1	3.05	Good		Retain - not client-owned	Not within construction footprint
30	Acer x freemanii	Freeman's Maple	31.9, 22.8, 14.7	3.83	Good		Retain - not client-owned	Not within construction footprint
31	Acer negundo	Manitoba Maple	30.4, 24.5, 23.7, 21.7, 20.6	3.65	Good		Retain	Not within construction footprint
32	Acer x freemanii	Freeman's Maple	48.7, 26.2	5.84	Good		Remove	Within construction footprint
33	Acer x freemanii	Freeman's Maple	51.4, 39.0, 33.8, 16.5, 14.4	6.17	Good		Retain	Not within construction footprint
34	Acer negundo	Manitoba Maple	28.2	3.38	Good		Retain - not client-owned	Not within construction footprint
35	Populus deltoides ssp. deltoides	Eastern Cottonwood	91.0, 22.2	10.92	Good		Retain - not client-owned	Not within construction footprint
36	Acer negundo	Manitoba Maple	21.8	2.62	Good		Retain - not client-owned	Not within construction footprint
37	Acer negundo	Manitoba Maple	23.6, 14.5	2.83	Good		Retain - not client-owned	Not within construction footprint
38	Acer negundo	Manitoba Maple	18.6	2.23	Good		Retain - not client-owned	Not within construction footprint
39	Acer negundo	Manitoba Maple	27.6, 23.5, 23.5, 11.5	3.31	Dead	Cavity in 23.5 DBH	Retain - not client-owned	Not within construction footprint
40	Acer x freemanii	Freeman's Maple	23.3	2.80	Good		Retain - not client-owned	Not within construction footprint
41	Acer x freemanii	Freeman's Maple	109.6, 39.7, 29.0, 26.2, 24.0	13.15	Good		Remove	Within construction footprint
42	Acer x freemanii	Freeman's Maple	37.6, 13.7	4.51	Good		Retain	Not within construction footprint
43	Acer x freemanii	Freeman's Maple	30.2, 27.5	3.62	Dead	Split base	Retain	Not within construction footprint
44	Acer x freemanii	Freeman's Maple	24.6	2.95	Good		Retain - not client-owned	Not within construction footprint
45	Populus deltoides ssp. deltoides	Eastern Cottonwood	47.9	5.75	Good		Retain - not client-owned	Not within construction footprint
46	Acer x freemanii	Freeman's Maple	36.8, 33.3, 19.3	4.42	Good		Retain - not client-owned	Not within construction footprint
47	Acer negundo	Manitoba Maple	31.4	3.77	Good		Retain - not client-owned	Not within construction footprint
48	Acer negundo	Manitoba Maple	29.9, 20.0	3.59	Good		Retain - not client-owned	Not within construction footprint
49	Acer negundo	Manitoba Maple	14.4, 10.9, 10.7	1.73	Good		Retain - not client-owned	Not within construction footprint
50	Acer x freemanii	Freeman's Maple	10.8	1.30	Good		Retain	Not within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
51	<i>Acer negundo</i>	Manitoba Maple	17.3	2.08	Good		Retain	Not within construction footprint
52	<i>Acer x freemanii</i>	Freeman's Maple	90.7, 52.7, 51.9, 42.7, 40.1	10.88	Good		Retain - not client-owned	Not within construction footprint
53	<i>Acer negundo</i>	Manitoba Maple	36.8, 22.5	4.42	Good		Retain - not client-owned	Not within construction footprint
54	<i>Acer negundo</i>	Manitoba Maple	30.2, 29.5, 13.6	3.62	Good		Retain	Not within construction footprint
55	<i>Acer negundo</i>	Manitoba Maple	18.8, 12.0	2.26	Good		Retain	Not within construction footprint
56	<i>Acer negundo</i>	Manitoba Maple	21.7, 18.5	2.60	Good		Retain	Not within construction footprint
57	<i>Acer negundo</i>	Manitoba Maple	12.9	1.55	Good		Retain	Not within construction footprint
58	<i>Acer x freemanii</i>	Freeman's Maple	37.2	4.46	Good		Retain	Not within construction footprint
59	<i>Acer x freemanii</i>	Freeman's Maple	55.3, 51.8	6.64	Good		Retain - not client-owned	Not within construction footprint
60	<i>Acer negundo</i>	Manitoba Maple	32.0, 16.1	3.84	Good		Retain - not client-owned	Not within construction footprint
61	<i>Acer negundo</i>	Manitoba Maple	23.5, 19.5	2.82	Dead		Retain - not client-owned	Not within construction footprint
62	<i>Salix</i> sp.	Willow species	29.1	3.49	Good		Retain - not client-owned	Not within construction footprint
63	<i>Acer x freemanii</i>	Freeman's Maple	85.7	10.28	Poor		Retain - not client-owned	Not within construction footprint
64	<i>Acer negundo</i>	Manitoba Maple	35.5, 29.2	4.26	Good		Retain - not client-owned	Not within construction footprint
65	<i>Acer x freemanii</i>	Freeman's Maple	29.8, 27.4	3.58	Poor	Cavity in 29.8 DBH	Retain - not client-owned	Not within construction footprint
66	<i>Salix</i> sp.	Willow species	28.2	3.38	Good		Retain - not client-owned	Not within construction footprint
67	<i>Salix</i> sp.	Willow species	29.4	3.53	Good		Retain	Not within construction footprint
68	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	10.5, 10.3	1.26	Good		Retain	Not within construction footprint
69	<i>Acer negundo</i>	Manitoba Maple	39.9, 22.7, 20.2, 16.7	4.79	Dead		Retain	Not within construction footprint
70	<i>Salix</i> sp.	Willow species	23.3, 20.3	2.80	Good		Retain - not client-owned	Not within construction footprint
71	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	10.1	1.21	Good		Retain - not client-owned	Not within construction footprint
72	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	15.4	1.85	Good		Retain - not client-owned	Not within construction footprint
73	<i>Acer negundo</i>	Manitoba Maple	26	3.12	Good		Retain - not client-owned	Not within construction footprint
74	<i>Acer negundo</i>	Manitoba Maple	32.8, 31.4, 30.7	3.94	Good		Retain - not client-owned	Not within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
75	<i>Acer negundo</i>	Manitoba Maple	12.6	1.51	Good		Retain - not client-owned	Not within construction footprint
76	<i>Acer negundo</i>	Manitoba Maple	34.3	4.12	Good		Retain - not client-owned	Not within construction footprint
77	<i>Acer negundo</i>	Manitoba Maple	32.8	3.94	Good		Retain - not client-owned	Not within construction footprint
78	<i>Acer negundo</i>	Manitoba Maple	12.2	1.46	Good		Retain - not client-owned	Not within construction footprint
79	<i>Acer x freemanii</i>	Freeman's Maple	21.2, 20.0	2.54	Poor	Four cavities in 20.0 DBH	Retain - not client-owned	Not within construction footprint
80	<i>Acer negundo</i>	Manitoba Maple	12.4	1.49	Good		Retain - not client-owned	Not within construction footprint
81	<i>Acer negundo</i>	Manitoba Maple	21.3, 16.1	2.56	Good		Retain - not client-owned	Not within construction footprint
82	<i>Acer negundo</i>	Manitoba Maple	39.2	4.70	Poor		Remove	Within construction footprint
83	<i>Acer negundo</i>	Manitoba Maple	27.8, 18.2, 16.2	3.34	Fair		Remove	Within construction footprint
84	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	71.3	8.56	Good		Remove	Within construction footprint
85	<i>Acer negundo</i>	Manitoba Maple	14.7, 11.3	1.76	Good		Retain - not client-owned	Not within construction footprint
86	<i>Acer negundo</i>	Manitoba Maple	21.1, 21.0, 19.0, 13.5	2.53	Good		Retain - not client-owned	Not within construction footprint
87	<i>Acer negundo</i>	Manitoba Maple	25.8, 23.4	3.10	Good		Retain - not client-owned	Not within construction footprint
88	<i>Acer x freemanii</i>	Freeman's Maple	60.3, 54.5, 29.3, 21.0	7.24	Good		Remove	Within construction footprint
89	<i>Acer x freemanii</i>	Freeman's Maple	41.7	5.00	Good		Retain	Not within construction footprint
90	<i>Acer x freemanii</i>	Freeman's Maple	98.2, 24.0	11.78	Good		Retain	Not within construction footprint
91	<i>Acer negundo</i>	Manitoba Maple	25.1, 15.8	3.01	Good		Retain - not client-owned	Not within construction footprint
92	<i>Acer negundo</i>	Manitoba Maple	17.3	2.08	Dead		Retain - not client-owned	Not within construction footprint
93	<i>Acer negundo</i>	Manitoba Maple	12.6	1.51	Good		Retain - not client-owned	Not within construction footprint
94	<i>Acer negundo</i>	Manitoba Maple	11.5	1.38	Good		Retain - not client-owned	Not within construction footprint
95	<i>Tilia cordata</i>	Little-leaf Linden	18	2.16	Poor	Main is dead	Retain - not client-owned	Not within construction footprint
96	<i>Robinia pseudoacacia</i>	Black Locust	12.7, 11.8, 11.0	1.52	Good		Retain - not client-owned	Not within construction footprint
97	<i>Tilia cordata</i>	Little-leaf Linden	13.6	1.63	Good		Retain - not client-owned	Not within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
98	<i>Gleditsia triacanthos inermis</i>	Thornless Honey-locust	10.5	1.26	Good		Retain - not client-owned	Not within construction footprint
99	<i>Ulmus americana</i>	American Elm	19.4	2.33	Good		Retain	Not within construction footprint
100	<i>Ulmus americana</i>	American Elm	23.5, 14.6	2.82	Good		Retain	Not within construction footprint
101	<i>Ulmus americana</i>	American Elm	14.9, 14.8	1.79	Good		Retain	Not within construction footprint
102	<i>Acer negundo</i>	Manitoba Maple	11.5, 11.4, 10.5	1.38	Good		Remove	Within construction footprint
103	<i>Acer negundo</i>	Manitoba Maple	14.9	1.79	Good		Retain	Not within construction footprint
104	<i>Acer negundo</i>	Manitoba Maple	27.2, 25.5, 24.4	3.26	Good		Remove	Within construction footprint
105	<i>Acer negundo</i>	Manitoba Maple	14.9, 13.0	1.79	Good		Remove	Within construction footprint
106	<i>Acer negundo</i>	Manitoba Maple	17.6	2.11	Dead		Remove	Within construction footprint
107	<i>Populus deltoides ssp. deltoides</i>	Eastern Cottonwood	195	23.40	Good		Remove	Within construction footprint
108	<i>Acer negundo</i>	Manitoba Maple	19.3	2.32	Good		Remove	Within construction footprint
109	<i>Acer negundo</i>	Manitoba Maple	12.8	1.54	Dead		Remove	Within construction footprint
110	<i>Acer negundo</i>	Manitoba Maple	15.0, 14.0	1.80	Good		Remove	Within construction footprint
111	<i>Acer negundo</i>	Manitoba Maple	21.0, 18.4	2.52	Good		Remove	Within construction footprint
112	<i>Populus deltoides ssp. deltoides</i>	Eastern Cottonwood	22.5	2.70	Good		Remove	Within construction footprint
113	<i>Acer negundo</i>	Manitoba Maple	12.6	1.51	Good		Retain	Not within construction footprint
114	<i>Acer negundo</i>	Manitoba Maple	13.3	1.60	Good		Retain	Not within construction footprint
115	<i>Populus deltoides ssp. deltoides</i>	Eastern Cottonwood	150.9, 53.7	18.11	Fair		Remove	Within construction footprint
116	<i>Acer negundo</i>	Manitoba Maple	23.8, 18.8	2.86	Good		Remove	Within construction footprint
117	<i>Populus deltoides ssp. deltoides</i>	Eastern Cottonwood	149.2	17.90	Fair		Remove	Within construction footprint
118	<i>Acer negundo</i>	Manitoba Maple	22.7, 19.5	2.72	Good		Remove	Within construction footprint
119	<i>Populus deltoides ssp. deltoides</i>	Eastern Cottonwood	186.4	22.37	Fair		Remove	Within construction footprint
120	<i>Acer x freemanii</i>	Freeman's Maple	94.5, 30.0, 22.8, 17.4	11.34	Good		Remove	Within construction footprint
121	<i>Acer negundo</i>	Manitoba Maple	23.1	2.77	Dead		Remove	Within construction footprint
122	<i>Acer x freemanii</i>	Freeman's Maple	11	1.32	Good		Remove	Within construction footprint
123	<i>Acer negundo</i>	Manitoba Maple	14.5	1.74	Good		Remove	Within construction footprint
124	<i>Acer negundo</i>	Manitoba Maple	14.6	1.75	Good		Remove	Within construction footprint
125	<i>Acer negundo</i>	Manitoba Maple	17.1	2.05	Good		Remove	Within construction footprint
126	<i>Acer x freemanii</i>	Freeman's Maple	13.7	1.64	Good		Retain	Not within construction footprint
127	<i>Acer x freemanii</i>	Freeman's Maple	10.8	1.30	Good		Remove	Within construction footprint
128	<i>Acer x freemanii</i>	Freeman's Maple	12.2	1.46	Good		Remove	Within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
129	Acer x freemanii	Freeman's Maple	17.4	2.09	Good		Remove	Within construction footprint
130	Acer x freemanii	Freeman's Maple	20	2.40	Good		Remove	Within construction footprint
131	Acer x freemanii	Freeman's Maple	13.3	1.60	Good		Remove	Within construction footprint
132	Acer x freemanii	Freeman's Maple	21.5	2.58	Good		Remove	Within construction footprint
133	Acer x freemanii	Freeman's Maple	15.6	1.87	Good		Remove	Within construction footprint
134	unknown	unknown	14.8	1.78	Dead	Unknown due to dead	Remove	Within construction footprint
135	Acer x freemanii	Freeman's Maple	23.2, 13.0	2.78	Good		Remove	Within construction footprint
136	unknown	unknown	11	1.32	Dead	Unknown due to dead	Remove	Within construction footprint
137	Acer x freemanii	Freeman's Maple	17.6, 13.2, 12.0	2.11	Good		Retain	Not within construction footprint
138	unknown	unknown	15.4	1.85	Dead	Unknown due to dead	Remove	Within construction footprint
139	Acer x freemanii	Freeman's Maple	25.2	3.02	Good		Remove	Within construction footprint
140	Acer x freemanii	Freeman's Maple	25.9, 21.0, 20.0	3.11	Good		Remove	Within construction footprint
141	Acer x freemanii	Freeman's Maple	23	2.76	Good		Remove	Within construction footprint
142	Acer x freemanii	Freeman's Maple	22.6, 17.7, 14.0, 10.6	2.71	Good		Remove	Within construction footprint
143	Acer x freemanii	Freeman's Maple	17	2.04	Good		Remove	Within construction footprint
144	Acer x freemanii	Freeman's Maple	15.0, 12.4	1.80	Good		Remove	Within construction footprint
145	Acer x freemanii	Freeman's Maple	19	2.28	Good		Remove	Within construction footprint
146	Acer x freemanii	Freeman's Maple	25.8, 20.8, 10.9	3.42	Good		Remove	Within construction footprint
147	Populus deltoides ssp. deltoides	Eastern Cottonwood	22.7	2.72	Good		Retain	Not within construction footprint
148	Acer x freemanii	Freeman's Maple	16.0, 11.3	1.92	Good		Retain	Not within construction footprint
149	Acer x freemanii	Freeman's Maple	15.5	1.86	Good		Remove	Within construction footprint
150	Acer x freemanii	Freeman's Maple	16.1, 15.4	1.93	Good		Remove	Within construction footprint
151	Acer x freemanii	Freeman's Maple	22.6, 17.5	2.71	Good		Remove	Within construction footprint
152	Acer x freemanii	Freeman's Maple	24.7, 23.1, 19.5, 13.7	2.96	Good		Remove	Within construction footprint
153	Acer x freemanii	Freeman's Maple	22.7, 17.5	2.72	Good		Remove	Within construction footprint
154	Populus deltoides ssp. deltoides	Eastern Cottonwood	38.1, 36.7, 29.7	4.57	Good		Remove	Within construction footprint
155	Populus deltoides ssp. deltoides	Eastern Cottonwood	33.5, 24.1, 17.1, 15.9	4.02	Good		Remove	Within construction footprint
156	Populus deltoides ssp. deltoides	Eastern Cottonwood	25.5, 12.2	3.06	Good		Remove	Within construction footprint
157	Acer x freemanii	Freeman's Maple	19.0, 12.1, 12.0	2.28	Good		Retain	Not within construction footprint
158	Acer x freemanii	Freeman's Maple	18.0, 12.8	2.16	Good		Retain	Not within construction footprint
159	Acer x freemanii	Freeman's Maple	14.0, 13.1	1.68	Good		Retain	Not within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
160	Acer x freemanii	Freeman's Maple	17.5, 13.2, 10.5	2.10	Good		Retain	Not within construction footprint
161	Acer x freemanii	Freeman's Maple	16.3, 12.0	1.96	Good		Remove	Within construction footprint
162	Acer x freemanii	Freeman's Maple	15.1	1.81	Good		Remove	Within construction footprint
163	Populus deltoides ssp. deltoides	Eastern Cottonwood	56.3, 34.8, 15.0	6.76	Good		Remove	Within construction footprint
164	Acer x freemanii	Freeman's Maple	14.0, 11.7	1.68	Good		Remove	Within construction footprint
165	Acer saccharinum	Silver Maple	11.1	1.33	Fair		Retain - not client-owned	Not within construction footprint
166	Tilia cordata	Little-leaf Linden	15	1.80	Good		Retain - not client-owned	Not within construction footprint
167	Tilia cordata	Little-leaf Linden	15.9	1.91	Good		Retain - not client-owned	Not within construction footprint
168	Acer negundo	Manitoba Maple	13.8, 11.0	1.66	Good		Retain	Not within construction footprint
169	Acer x freemanii	Freeman's Maple	16.5	1.98	Good		Retain	Not within construction footprint
170	Acer x freemanii	Freeman's Maple	13.8	1.66	Good		Retain	Not within construction footprint
171	Acer x freemanii	Freeman's Maple	18.8	2.26	Good		Retain	Not within construction footprint
172	Populus deltoides ssp. deltoides	Eastern Cottonwood	33.2, 30.3, 29.2, 15.2, 11.3	3.98	Good		Retain	Not within construction footprint
173	Acer x freemanii	Freeman's Maple	17.5	2.10	Good		Retain	Not within construction footprint
174	Acer x freemanii	Freeman's Maple	18.2, 16.2, 14.2, 11.3	2.18	Good		Retain	Not within construction footprint
175	Populus deltoides ssp. deltoides	Eastern Cottonwood	31.6	3.79	Good		Retain	Not within construction footprint
176	Acer x freemanii	Freeman's Maple	13.3	1.60	Good		Retain	Not within construction footprint
177	Acer x freemanii	Freeman's Maple	33.2, 19.5, 17.0, 13.8	3.98	Good		Retain	Not within construction footprint
178	Acer x freemanii	Freeman's Maple	25.5, 12.4	3.06	Good		Remove	Within construction footprint
179	Acer x freemanii	Freeman's Maple	22.8, 16.2	2.74	Good		Remove	Within construction footprint
180	Populus deltoides ssp. deltoides	Eastern Cottonwood	42.5, 36.5, 32.0	5.10	Good		Remove	Within construction footprint
181	Populus deltoides ssp. deltoides	Eastern Cottonwood	42.8, 37.8	5.14	Good		Remove	Within construction footprint
182	Acer negundo	Manitoba Maple	15.9	1.91	Good		Retain	Not within construction footprint
183	Acer x freemanii	Freeman's Maple	11.5	1.38	Good		Retain	Not within construction footprint
184	Acer x freemanii	Freeman's Maple	76.8, 39.5, 27.4	9.22	Good		Retain	Not within construction footprint
185	Acer x freemanii	Freeman's Maple	25.5, 19.0, 14.7	3.06	Good		Retain	Not within construction footprint
186	Acer x freemanii	Freeman's Maple	14.4	1.73	Good		Retain	Not within construction footprint
187	Acer x freemanii	Freeman's Maple	19.8	2.38	Good		Retain	Not within construction footprint
188	Acer x freemanii	Freeman's Maple	11.7	1.40	Good		Retain	Not within construction footprint
189	Acer x freemanii	Freeman's Maple	13	1.56	Good		Remove	Within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
190	Acer x freemanii	Freeman's Maple	14.7, 11.2	1.76	Good		Remove	Within construction footprint
191	Populus deltoides ssp. deltoides	Eastern Cottonwood	26.5, 18.1	3.18	Good		Retain	Not within construction footprint
192	Acer x freemanii	Freeman's Maple	11.8, 10.2	1.42	Good		Retain	Not within construction footprint
193	Acer x freemanii	Freeman's Maple	14.4	1.73	Good		Remove	Within construction footprint
194	Acer x freemanii	Freeman's Maple	13.8	1.66	Good		Remove	Within construction footprint
195	Populus deltoides ssp. deltoides	Eastern Cottonwood	22.7	2.72	Good		Remove	Within construction footprint
196	Populus deltoides ssp. deltoides	Eastern Cottonwood	26.6	3.19	Good		Remove	Within construction footprint
197	Populus deltoides ssp. deltoides	Eastern Cottonwood	33.5	4.02	Good		Remove	Within construction footprint
198	Populus deltoides ssp. deltoides	Eastern Cottonwood	14.2	1.70	Good		Remove	Within construction footprint
199	Acer negundo	Manitoba Maple	14.5, 14.3	1.74	Good		Remove	Within construction footprint
200	Acer x freemanii	Freeman's Maple	17.7	2.12	Good		Remove	Within construction footprint
201	Acer negundo	Manitoba Maple	13.6, 11.0, 10.5	1.63	Good		Remove	Within construction footprint
202	Populus deltoides ssp. deltoides	Eastern Cottonwood	42.5, 39.8	5.10	Good		Remove	Within construction footprint
203	Acer x freemanii	Freeman's Maple	28.6	3.43	Good		Remove	Within construction footprint
204	Acer negundo	Manitoba Maple	18.7, 13.8, 11.2	2.24	Good		Retain	Not within construction footprint
205	Acer negundo	Manitoba Maple	16.2	1.94	Good		Retain	Not within construction footprint
206	Robinia pseudoacacia	Black Locust	21.2, 13.5	2.54	Good		Retain	Not within construction footprint
207	Robinia pseudoacacia	Black Locust	15.8	1.90	Good		Retain	Not within construction footprint
208	Robinia pseudoacacia	Black Locust	15.2, 11.6	1.82	Good		Retain - not client-owned	Not within construction footprint
209	Acer negundo	Manitoba Maple	12.5	1.50	Poor		Remove	Within construction footprint
210	Acer negundo	Manitoba Maple	15.6	1.87	Good		Remove	Within construction footprint
211	Acer negundo	Manitoba Maple	12.1	1.45	Poor	VITI-SP present	Remove	Within construction footprint
212	Robinia pseudoacacia	Black Locust	15	1.80	Good		Retain	Not within construction footprint
213	Robinia pseudoacacia	Black Locust	15.8, 11.6, 10.3	1.90	Good		Remove	Within construction footprint
214	Robinia pseudoacacia	Black Locust	21.3	2.56	Good		Remove	Within construction footprint
215	Populus deltoides ssp. deltoides	Eastern Cottonwood	14	1.68	Good		Remove	Within construction footprint
216	Populus deltoides ssp. deltoides	Eastern Cottonwood	17.6	2.11	Good		Remove	Within construction footprint
217	Populus deltoides ssp. deltoides	Eastern Cottonwood	19.9, 13.5, 12.4, 12.1, 12.0	2.39	Good		Remove	Within construction footprint
218	Populus deltoides ssp. deltoides	Eastern Cottonwood	17.4	2.09	Good		Remove	Within construction footprint
219	Acer negundo	Manitoba Maple	20.3	2.44	Good		Remove	Within construction footprint
220	Populus deltoides ssp. deltoides	Eastern Cottonwood	36.3	4.36	Good		Remove	Within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
221	Populus deltoides ssp. deltoides	Eastern Cottonwood	27	3.24	Good		Remove	Within construction footprint
222	Populus deltoides ssp. deltoides	Eastern Cottonwood	36	4.32	Good		Remove	Within construction footprint
223	Populus deltoides ssp. deltoides	Eastern Cottonwood	30.8, 17.3	3.70	Good		Remove	Within construction footprint
224	Populus deltoides ssp. deltoides	Eastern Cottonwood	37.4	4.49	Good		Remove	Within construction footprint
225	Acer x freemanii	Freeman's Maple	25.8, 18.6, 11.5	3.10	Good		Remove	Within construction footprint
226	Populus deltoides ssp. deltoides	Eastern Cottonwood	24.3, 21.4	2.92	Good		Remove	Within construction footprint
227	Populus deltoides ssp. deltoides	Eastern Cottonwood	25.1	3.01	Good		Remove	Within construction footprint
228	Populus deltoides ssp. deltoides	Eastern Cottonwood	12.9	1.55	Good		Retain	Not within construction footprint
229	Populus deltoides ssp. deltoides	Eastern Cottonwood	16.2	1.94	Good		Remove	Within construction footprint
230	Populus deltoides ssp. deltoides	Eastern Cottonwood	13.3	1.60	Good		Remove	Within construction footprint
231	Populus deltoides ssp. deltoides	Eastern Cottonwood	11.8	1.42	Good		Remove	Within construction footprint
232	Populus deltoides ssp. deltoides	Eastern Cottonwood	15.3	1.84	Good		Remove	Within construction footprint
233	Populus deltoides ssp. deltoides	Eastern Cottonwood	18.8	2.26	Good		Remove	Within construction footprint
234	Populus deltoides ssp. deltoides	Eastern Cottonwood	35.7	4.28	Good		Remove	Within construction footprint
235	Populus deltoides ssp. deltoides	Eastern Cottonwood	16.9, 11.1, 10.6	2.03	Good		Remove	Within construction footprint
236	Populus deltoides ssp. deltoides	Eastern Cottonwood	13.9	1.67	Good		Remove	Within construction footprint
237	Robinia pseudoacacia	Black Locust	12.4	1.49	Good		Remove	Within construction footprint
238	Robinia pseudoacacia	Black Locust	13	1.56	Good		Remove	Within construction footprint
239	Robinia pseudoacacia	Black Locust	12.5	1.50	Good		Retain	Not within construction footprint
240	Robinia pseudoacacia	Black Locust	13.5	1.62	Good		Retain	Not within construction footprint
241	Robinia pseudoacacia	Black Locust	12.3	1.48	Good		Retain	Not within construction footprint
242	Robinia pseudoacacia	Black Locust	17.3	2.08	Good		Retain - not client-owned	Not within construction footprint
243	Robinia pseudoacacia	Black Locust	20.5	2.46	Good		Retain - not client-owned	Not within construction footprint
244	Robinia pseudoacacia	Black Locust	24.9	2.99	Good		Retain - not client-owned	Not within construction footprint
245	Acer negundo	Manitoba Maple	12.2	1.46	Good		Retain	Not within construction footprint
246	Robinia pseudoacacia	Black Locust	14.5	1.74	Good		Retain	Not within construction footprint
247	Robinia pseudoacacia	Black Locust	15.5	1.86	Good		Retain	Not within construction footprint
248	Robinia pseudoacacia	Black Locust	13.8	1.66	Good		Retain	Not within construction footprint
249	Robinia pseudoacacia	Black Locust	12.2	1.46	Good		Retain - not client-owned	Not within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
250	Robinia pseudoacacia	Black Locust	12.6	1.51	Good		Retain	Not within construction footprint
251	Robinia pseudoacacia	Black Locust	12	1.44	Good		Remove	Within construction footprint
252	Robinia pseudoacacia	Black Locust	14	1.68	Good		Remove	Within construction footprint
253	Robinia pseudoacacia	Black Locust	23.2	2.78	Good		Remove	Within construction footprint
254	Juglans nigra	Black Walnut	17.2	2.06	Good		Remove	Within construction footprint
255	Populus deltoides ssp. deltoides	Eastern Cottonwood	30.4, 29.9, 15.6	3.65	Good		Retain	Not within construction footprint
256	Populus deltoides ssp. deltoides	Eastern Cottonwood	11.8	1.42	Good		Retain	Not within construction footprint
257	Populus deltoides ssp. deltoides	Eastern Cottonwood	39.4, 27.7	4.73	Good		Retain	Not within construction footprint
258	Populus deltoides ssp. deltoides	Eastern Cottonwood	29.2	3.50	Good		Retain	Not within construction footprint
259	Populus deltoides ssp. deltoides	Eastern Cottonwood	26.5	3.18	Good		Retain	Not within construction footprint
260	Populus deltoides ssp. deltoides	Eastern Cottonwood	32.9	3.95	Good		Retain	Not within construction footprint
261	Populus deltoides ssp. deltoides	Eastern Cottonwood	16.8, 15.9	2.02	Good		Retain - not client-owned	Not within construction footprint
262	Acer negundo	Manitoba Maple	13.8	1.66	Poor		Retain	Not within construction footprint
263	Acer x freemanii	Freeman's Maple	17.3, 17.3, 17.0, 16.9, 15.2, 14.8, 13.5, 12.9, 12.4	2.08	Good		Retain	Not within construction footprint
264	Acer x freemanii	Freeman's Maple	18.6, 17.9	2.23	Good		Retain	Not within construction footprint
265	Acer negundo	Manitoba Maple	17.9	2.15	Good		Retain	Not within construction footprint
266	Acer x freemanii	Freeman's Maple	23.2	2.78	Good		Retain - not client-owned	Not within construction footprint
267	Populus deltoides ssp. deltoides	Eastern Cottonwood	24.3	2.92	Good		Retain - not client-owned	Not within construction footprint
268	Acer x freemanii	Freeman's Maple	11	1.32	Good		Retain - not client-owned	Not within construction footprint
269	Populus deltoides ssp. deltoides	Eastern Cottonwood	22.0, 21.7, 19.2	2.64	Good		Retain	Not within construction footprint
270	Populus deltoides ssp. deltoides	Eastern Cottonwood	20.1, 17.6	2.41	Good		Retain	Not within construction footprint
271	Populus deltoides ssp. deltoides	Eastern Cottonwood	13.6	1.63	Good		Retain	Not within construction footprint
272	Populus deltoides ssp. deltoides	Eastern Cottonwood	15.5, 11.6	1.86	Good		Retain	Not within construction footprint
273	Populus deltoides ssp. deltoides	Eastern Cottonwood	20.1, 16.3	2.41	Good		Retain	Not within construction footprint
274	Acer negundo	Manitoba Maple	12	1.44	Poor		Retain	Not within construction footprint
275	Populus deltoides ssp. deltoides	Eastern Cottonwood	14.4	1.73	Good		Retain	Not within construction footprint
276	Populus deltoides ssp. deltoides	Eastern Cottonwood	16.2, 10.3	1.94	Good		Retain	Not within construction footprint
277	Acer negundo	Manitoba Maple	14.2	1.70	Good		Retain - not client-owned	Not within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
278	Populus deltoides ssp. deltoides	Eastern Cottonwood	14.9, 14.3	1.79	Good		Remove	Within construction footprint
279	Acer negundo	Manitoba Maple	12.5	1.50	Good		Remove	Within construction footprint
280	Populus deltoides ssp. deltoides	Eastern Cottonwood	28.5, 18.4	3.42	Good		Remove	Within construction footprint
281	Populus deltoides ssp. deltoides	Eastern Cottonwood	28.2, 25.1	3.38	Good		Remove	Within construction footprint
282	Populus deltoides ssp. deltoides	Eastern Cottonwood	23.2	2.78	Good		Remove	Within construction footprint
283	Populus deltoides ssp. deltoides	Eastern Cottonwood	18.6, 17.1	2.23	Good		Remove	Within construction footprint
284	Populus deltoides ssp. deltoides	Eastern Cottonwood	28.6, 24.8, 14.8	3.43	Good		Remove	Within construction footprint
285	Populus deltoides ssp. deltoides	Eastern Cottonwood	22.8	2.74	Good		Remove	Within construction footprint
286	Populus deltoides ssp. deltoides	Eastern Cottonwood	25.2, 20.5	3.02	Good		Remove	Within construction footprint
287	Populus deltoides ssp. deltoides	Eastern Cottonwood	23.6, 15.0	2.83	Good		Remove	Within construction footprint
288	Populus deltoides ssp. deltoides	Eastern Cottonwood	28.5, 22.5	3.42	Good		Remove	Within construction footprint
289	Populus deltoides ssp. deltoides	Eastern Cottonwood	27.9, 25.3	3.35	Good		Remove	Within construction footprint
290	Populus deltoides ssp. deltoides	Eastern Cottonwood	28.4, 24.4	3.41	Good		Remove	Within construction footprint
291	Populus deltoides ssp. deltoides	Eastern Cottonwood	19.3, 14.0	2.32	Good		Remove	Within construction footprint
292	Populus deltoides ssp. deltoides	Eastern Cottonwood	17	2.04	Good		Remove	Within construction footprint
293	Populus deltoides ssp. deltoides	Eastern Cottonwood	28.9	3.47	Good		Remove	Within construction footprint
294	Populus deltoides ssp. deltoides	Eastern Cottonwood	15.4	1.85	Good		Remove	Within construction footprint
295	Populus deltoides ssp. deltoides	Eastern Cottonwood	16.2, 16.0, 12.6	1.94	Good		Remove	Within construction footprint
296	Populus deltoides ssp. deltoides	Eastern Cottonwood	32.0, 29.2	3.84	Good		Remove	Within construction footprint
297	Populus deltoides ssp. deltoides	Eastern Cottonwood	13.2	1.58	Good		Remove	Within construction footprint
298	Populus deltoides ssp. deltoides	Eastern Cottonwood	20.9	2.51	Good		Remove	Within construction footprint
299	Populus deltoides ssp. deltoides	Eastern Cottonwood	27.7	3.32	Good		Remove	Within construction footprint
300	Populus deltoides ssp. deltoides	Eastern Cottonwood	15.9, 15.8, 12.8	1.91	Good		Remove	Within construction footprint
301	Populus deltoides ssp. deltoides	Eastern Cottonwood	22	2.64	Good		Remove	Within construction footprint
302	Populus deltoides ssp. deltoides	Eastern Cottonwood	34.0, 29.2, 11.0	4.08	Good		Remove	Within construction footprint
303	Populus deltoides ssp. deltoides	Eastern Cottonwood	32.3	3.88	Good		Remove	Within construction footprint
304	Populus deltoides ssp. deltoides	Eastern Cottonwood	30.7	3.68	Good		Remove	Within construction footprint
305	Populus deltoides ssp. deltoides	Eastern Cottonwood	17.6	2.11	Good		Retain	Not within construction footprint
306	Populus deltoides ssp. deltoides	Eastern Cottonwood	20.6	2.47	Good		Remove	Within construction footprint
307	Populus deltoides ssp. deltoides	Eastern Cottonwood	30.2	3.62	Good		Retain	Not within construction footprint
308	Populus deltoides ssp. deltoides	Eastern Cottonwood	25.3	3.04	Good		Retain	Not within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
309	Populus deltoides ssp. deltoides	Eastern Cottonwood	27.1, 21.0	3.25	Good		Remove	Within construction footprint
310	Populus deltoides ssp. deltoides	Eastern Cottonwood	16.7	2.00	Good		Remove	Within construction footprint
311	Populus deltoides ssp. deltoides	Eastern Cottonwood	18.2, 14.8, 11.7	2.18	Good		Remove	Within construction footprint
312	Populus deltoides ssp. deltoides	Eastern Cottonwood	16.3, 13.4, 11.1, 11.0	1.96	Good		Remove	Within construction footprint
313	Crataegus sp.	Hawthorn species	12.5, 11.4	1.50	Good		Remove	Within construction footprint
314	Crataegus sp.	Hawthorn species	12.2	1.46	Good		Remove	Within construction footprint
315	Populus deltoides ssp. deltoides	Eastern Cottonwood	24	2.88	Good		Remove	Within construction footprint
316	Populus deltoides ssp. deltoides	Eastern Cottonwood	12.3	1.48	Good		Remove	Within construction footprint
317	Populus deltoides ssp. deltoides	Eastern Cottonwood	16.5, 13.2	1.98	Good		Remove	Within construction footprint
318	Populus deltoides ssp. deltoides	Eastern Cottonwood	17.8	2.14	Good		Remove	Within construction footprint
319	Populus deltoides ssp. deltoides	Eastern Cottonwood	24.7, 17.4	2.96	Good		Remove	Within construction footprint
320	Populus deltoides ssp. deltoides	Eastern Cottonwood	18.2, 15.6, 15.3, 15.0	2.18	Good		Remove	Within construction footprint
321	Populus deltoides ssp. deltoides	Eastern Cottonwood	21.1, 18.2, 17.3, 10.7	2.53	Good		Remove	Within construction footprint
322	Populus deltoides ssp. deltoides	Eastern Cottonwood	25.2, 15.6, 13.6, 11.0	3.02	Good		Remove	Within construction footprint
323	Populus deltoides ssp. deltoides	Eastern Cottonwood	29.2, 25.3, 10.9	3.50	Good		Remove	Within construction footprint
324	Populus deltoides ssp. deltoides	Eastern Cottonwood	19.8, 14.4, 13.5	2.38	Good		Remove	Within construction footprint
325	Populus deltoides ssp. deltoides	Eastern Cottonwood	18.5	2.22	Good		Remove	Within construction footprint
326	Populus deltoides ssp. deltoides	Eastern Cottonwood	24.6, 23.2, 22.4, 18.4, 10.9, 10.5	2.95	Good		Remove	Within construction footprint
327	Crataegus sp.	Hawthorn species	15	1.80	Good		Remove	Within construction footprint
328	Acer negundo	Manitoba Maple	12.8	1.54	Good		Remove	Within construction footprint
329	Acer negundo	Manitoba Maple	12	1.44	Good		Remove	Within construction footprint
330	Acer negundo	Manitoba Maple	11	1.32	Good		Remove	Within construction footprint
331	Acer negundo	Manitoba Maple	10.1	1.21	Fair		Remove	Within construction footprint
332	Populus deltoides ssp. deltoides	Eastern Cottonwood	12.3	1.48	Good		Retain - not client-owned	Not within construction footprint
333	Acer negundo	Manitoba Maple	12.7	1.52	Dead		Retain - not client-owned	Not within construction footprint
334	Acer negundo	Manitoba Maple	10.3	1.24	Good		Retain - not client-owned	Not within construction footprint
335	Acer negundo	Manitoba Maple	18.9	2.27	Good		Retain	Not within construction footprint
336	Populus deltoides ssp. deltoides	Eastern Cottonwood	30.1	3.61	Good		Remove	Within construction footprint
337	Acer negundo	Manitoba Maple	17.6	2.11	Good		Remove	Within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
338	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	32.3	3.88	Good		Remove	Within construction footprint
339	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	35.3	4.24	Good		Remove	Within construction footprint
340	<i>Acer negundo</i>	Manitoba Maple	14.5	1.74	Good		Remove	Within construction footprint
341	<i>Acer negundo</i>	Manitoba Maple	18.6	2.23	Good		Remove	Within construction footprint
342	<i>Acer negundo</i>	Manitoba Maple	14.3	1.72	Good		Remove	Within construction footprint
343	<i>Acer x freemanii</i>	Freeman's Maple	40.4, 17.8	4.85	Good		Remove	Within construction footprint
344	<i>Crataegus</i> sp.	Hawthorn species	12.9	1.55	Good		Remove	Within construction footprint
345	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	16.4	1.97	Good		Remove	Within construction footprint
346	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	15.3, 14.0	1.84	Good		Remove	Within construction footprint
347	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	24.2, 16.2	2.90	Good		Remove	Within construction footprint
348	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	22.5, 19.2	2.70	Good		Remove	Within construction footprint
349	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	25.1, 20.7, 16.0	3.01	Good		Remove	Within construction footprint
350	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	15.6, 13.8	1.87	Good		Remove	Within construction footprint
351	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	27.1	3.25	Good		Remove	Within construction footprint
352	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	18.2, 15.2	2.18	Good		Remove	Within construction footprint
353	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	27.8	3.34	Good		Remove	Within construction footprint
354	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	19.5	2.34	Good		Remove	Within construction footprint
355	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	28.6	3.43	Good		Remove	Within construction footprint
356	<i>Acer x freemanii</i>	Freeman's Maple	19.8	2.38	Good		Remove	Within construction footprint
357	<i>Acer negundo</i>	Manitoba Maple	31.1	3.73	Poor		Remove	Within construction footprint
358	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	48.1	5.77	Good		Remove	Within construction footprint
359	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	50.3	6.04	Good		Remove	Within construction footprint
360	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	39	4.68	Good		Remove	Within construction footprint
361	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	36.3	4.36	Good		Remove	Within construction footprint
362	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	19.2, 19.0	2.30	Good		Remove	Within construction footprint
363	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	31.0, 16.3, 15.3, 11.3, 11.0	3.72	Good		Remove	Within construction footprint
364	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	29.2, 24.7	3.50	Good		Remove	Within construction footprint
365	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	35.2, 33.9	4.22	Good		Remove	Within construction footprint
366	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	23.0, 20.7	2.76	Good		Remove	Within construction footprint
367	<i>Acer negundo</i>	Manitoba Maple	15.8	1.90	Good		Remove	Within construction footprint
368	<i>Acer negundo</i>	Manitoba Maple	19.1	2.29	Good		Remove	Within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
369	<i>Acer negundo</i>	Manitoba Maple	21.8	2.62	Good		Remove	Within construction footprint
370	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	29.2, 16.0	3.50	Good		Remove	Within construction footprint
371	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	19.0, 12.1	2.28	Good		Remove	Within construction footprint
372	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	27.0, 19.0, 13.5	3.24	Good		Retain	Not within construction footprint
373	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	24	2.88	Good		Retain	Not within construction footprint
374	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	20.1	2.41	Good		Retain	Not within construction footprint
375	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	19.6, 14.0	2.35	Good		Retain	Not within construction footprint
376	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	20.0, 11.3	2.40	Good		Retain	Not within construction footprint
377	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	23.6, 21.5, 18.3	2.83	Good		Retain	Not within construction footprint
378	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	17.2	2.06	Good		Retain	Not within construction footprint
379	<i>Acer x freemanii</i>	Freeman's Maple	13.7	1.64	Good		Retain	Not within construction footprint
380	<i>Morus alba</i>	White Mulberry	14.5	1.74	Dead	VITI-SP present	Retain - not client-owned	Not within construction footprint
381	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	21.9, 20.2, 17.4, 17.0, 14.2, 12.9	2.63	Good		Retain - not client-owned	Not within construction footprint
382	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	28.7	3.44	Good		Retain	Not within construction footprint
383	<i>Acer negundo</i>	Manitoba Maple	14.7	1.76	Good		Retain - not client-owned	Not within construction footprint
384	<i>Acer x freemanii</i>	Freeman's Maple	13.2	1.58	Good		Retain	Not within construction footprint
385	<i>Acer negundo</i>	Manitoba Maple	11.7	1.40	Good		Retain - not client-owned	Not within construction footprint
386	<i>Acer negundo</i>	Manitoba Maple	11.8, 11.0	1.42	Good		Retain	Not within construction footprint
387	<i>Acer negundo</i>	Manitoba Maple	12.4	1.49	Good		Retain - not client-owned	Not within construction footprint
388	<i>Acer negundo</i>	Manitoba Maple	11.5, 10.1	1.38	Good		Retain - not client-owned	Not within construction footprint
389	<i>Acer negundo</i>	Manitoba Maple	16.9	2.03	Good		Retain	Not within construction footprint
390	<i>Acer x freemanii</i>	Freeman's Maple	10.1	1.21	Good		Retain - not client-owned	Not within construction footprint
391	<i>Acer x freemanii</i>	Freeman's Maple	19.4, 19.1, 13.5, 10.1	2.33	Good		Retain - not client-owned	Not within construction footprint
392	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	23.7, 17.1, 15.6, 13.4, 13.3, 12.2	2.84	Good		Retain	Not within construction footprint
393	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	24.0, 15.6, 14.7	2.88	Good		Remove	Within construction footprint
394	<i>Acer negundo</i>	Manitoba Maple	13.5	1.62	Good		Retain	Not within construction footprint
395	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	16.8	2.02	Good		Retain	Not within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
396	Populus deltoides ssp. deltoides	Eastern Cottonwood	34.8, 12.7	4.18	Good		Retain	Not within construction footprint
397	Populus deltoides ssp. deltoides	Eastern Cottonwood	19.7	2.36	Good		Retain	Not within construction footprint
398	Acer negundo	Manitoba Maple	16	1.92	Good		Retain - not client-owned	Not within construction footprint
399	Acer negundo	Manitoba Maple	14.5, 10.2	1.74	Good		Retain - not client-owned	Not within construction footprint
400	Populus deltoides ssp. deltoides	Eastern Cottonwood	93.2, 47.4, 44.2	11.18	Good		Retain - not client-owned	Not within construction footprint
401	Populus deltoides ssp. deltoides	Eastern Cottonwood	14.8	1.78	Good		Retain - not client-owned	Not within construction footprint
402	Populus deltoides ssp. deltoides	Eastern Cottonwood	14.7	1.76	Good		Retain - not client-owned	Not within construction footprint
403	Acer negundo	Manitoba Maple	12.3	1.48	Good		Retain - not client-owned	Not within construction footprint
404	Populus deltoides ssp. deltoides	Eastern Cottonwood	14.2	1.70	Poor		Retain - not client-owned	Not within construction footprint
405	Populus deltoides ssp. deltoides	Eastern Cottonwood	34.3, 15.7	4.12	Good		Retain - not client-owned	Not within construction footprint
406	Populus deltoides ssp. deltoides	Eastern Cottonwood	12.5	1.50	Good		Retain - not client-owned	Not within construction footprint
407	Acer negundo	Manitoba Maple	13	1.56	Good		Retain - not client-owned	Not within construction footprint
408	Acer negundo	Manitoba Maple	18.2	2.18	Good		Retain	Not within construction footprint
409	Acer x freemanii	Freeman's Maple	11.4	1.37	Good		Retain	Not within construction footprint
410	Acer negundo	Manitoba Maple	15.5, 12.5	1.86	Good		Retain	Not within construction footprint
411	Acer negundo	Manitoba Maple	12	1.44	Good		Retain	Not within construction footprint
412	Acer negundo	Manitoba Maple	19.7, 14.9	2.36	Good		Retain	Not within construction footprint
413	Acer negundo	Manitoba Maple	16.1	1.93	Good		Retain	Not within construction footprint
414	Acer negundo	Manitoba Maple	11.5	1.38	Good		Retain	Not within construction footprint
415	Populus deltoides ssp. deltoides	Eastern Cottonwood	33.2	3.98	Good		Remove	Within construction footprint
416	Populus deltoides ssp. deltoides	Eastern Cottonwood	24.9	2.99	Good		Remove	Within construction footprint
417	Populus deltoides ssp. deltoides	Eastern Cottonwood	24.1, 19.8	2.89	Good		Retain	Not within construction footprint
418	Populus deltoides ssp. deltoides	Eastern Cottonwood	17.3	2.08	Good		Retain	Not within construction footprint
419	Populus deltoides ssp. deltoides	Eastern Cottonwood	15.4, 14.7	1.85	Good		Retain	Not within construction footprint
420	Populus deltoides ssp. deltoides	Eastern Cottonwood	26.0, 25.7	3.12	Good		Retain	Not within construction footprint
421	Acer negundo	Manitoba Maple	18.5	2.22	Good		Retain	Not within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
422	Populus deltoides ssp. deltoides	Eastern Cottonwood	14.2	1.70	Good		Retain	Not within construction footprint
423	Acer negundo	Manitoba Maple	10.6	1.27	Good		Retain	Not within construction footprint
424	Populus deltoides ssp. deltoides	Eastern Cottonwood	18.5, 13.0, 10.3	2.22	Good		Retain	Not within construction footprint
425	Populus deltoides ssp. deltoides	Eastern Cottonwood	16.5, 14.1	1.98	Good		Retain	Not within construction footprint
426	Populus deltoides ssp. deltoides	Eastern Cottonwood	14.6	1.75	Good		Retain	Not within construction footprint
427	Populus deltoides ssp. deltoides	Eastern Cottonwood	25.4	3.05	Good		Remove	Within construction footprint
428	Populus deltoides ssp. deltoides	Eastern Cottonwood	12.6, 11.8	1.51	Good		Remove	Within construction footprint
429	Populus deltoides ssp. deltoides	Eastern Cottonwood	29.7	3.56	Good		Retain	Not within construction footprint
430	Acer negundo	Manitoba Maple	11	1.32	Good		Retain	Not within construction footprint
431	Populus deltoides ssp. deltoides	Eastern Cottonwood	28.0, 19.3	3.36	Good		Retain	Not within construction footprint
432	Acer negundo	Manitoba Maple	13.8	1.66	Good		Remove	Within construction footprint
433	Populus deltoides ssp. deltoides	Eastern Cottonwood	17.1, 14.5	2.05	Good		Retain	Not within construction footprint
434	Populus deltoides ssp. deltoides	Eastern Cottonwood	21.9, 20.9, 20.5, 18.2	2.63	Good		Remove	Within construction footprint
435	Populus deltoides ssp. deltoides	Eastern Cottonwood	28.3	3.40	Good		Remove	Within construction footprint
436	Populus deltoides ssp. deltoides	Eastern Cottonwood	26.3, 24.1, 12.9, 12.2	3.16	Good		Remove	Within construction footprint
437	Populus deltoides ssp. deltoides	Eastern Cottonwood	27	3.24	Good		Remove	Within construction footprint
438	Populus deltoides ssp. deltoides	Eastern Cottonwood	15.4	1.85	Good		Remove	Within construction footprint
439	Populus deltoides ssp. deltoides	Eastern Cottonwood	19.8, 12.6, 10.8, 10.6	2.38	Good		Remove	Within construction footprint
440	Populus deltoides ssp. deltoides	Eastern Cottonwood	21.0, 14.2	2.52	Good		Remove	Within construction footprint
441	Populus deltoides ssp. deltoides	Eastern Cottonwood	17.8	2.14	Good		Remove	Within construction footprint
442	Populus deltoides ssp. deltoides	Eastern Cottonwood	20.8, 13.0, 10.5, 10.3	2.50	Good		Remove	Within construction footprint
443	Populus deltoides ssp. deltoides	Eastern Cottonwood	20.6, 14.1, 10.3	2.47	Good		Remove	Within construction footprint
444	Populus deltoides ssp. deltoides	Eastern Cottonwood	41.8, 25.7, 21.0, 20.0, 16.9	5.02	Good		Remove	Within construction footprint
445	Populus deltoides ssp. deltoides	Eastern Cottonwood	22.4, 20.5, 15.8	2.69	Good		Remove	Within construction footprint
446	Populus deltoides ssp. deltoides	Eastern Cottonwood	19.3, 12.3	2.32	Good		Remove	Within construction footprint
447	Populus deltoides ssp. deltoides	Eastern Cottonwood	28.8, 17.2, 15.3	3.46	Good		Remove	Within construction footprint
448	Populus deltoides ssp. deltoides	Eastern Cottonwood	23.9	2.87	Good		Remove	Within construction footprint
449	Populus deltoides ssp. deltoides	Eastern Cottonwood	43.7, 29.0, 11.1	5.24	Good		Remove	Within construction footprint
450	Acer negundo	Manitoba Maple	20.4, 16.7	2.45	Good		Remove	Within construction footprint
451	Acer x freemanii	Freeman's Maple	14.4	1.73	Good		Remove	Within construction footprint
452	Acer x freemanii	Freeman's Maple	20.5	2.46	Good		Remove	Within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
453	Populus deltoides ssp. deltoides	Eastern Cottonwood	27.0, 23.8	3.24	Good		Remove	Within construction footprint
454	Populus deltoides ssp. deltoides	Eastern Cottonwood	13.4	1.61	Good		Remove	Within construction footprint
455	Populus deltoides ssp. deltoides	Eastern Cottonwood	31.6	3.79	Good		Remove	Within construction footprint
456	Acer x freemanii	Freeman's Maple	16.1	1.93	Good		Remove	Within construction footprint
457	Populus deltoides ssp. deltoides	Eastern Cottonwood	33.4	4.01	Good		Remove	Within construction footprint
458	Acer x freemanii	Freeman's Maple	19.3, 18.0	2.32	Good		Remove	Within construction footprint
459	Populus deltoides ssp. deltoides	Eastern Cottonwood	34.0, 20.8	4.08	Good		Remove	Within construction footprint
460	Acer x freemanii	Freeman's Maple	20.6, 11.5	2.47	Good		Remove	Within construction footprint
461	Acer x freemanii	Freeman's Maple	15.7	1.88	Good		Remove	Within construction footprint
462	Acer x freemanii	Freeman's Maple	22.8, 20.8, 11.0	2.74	Good		Remove	Within construction footprint
463	Acer x freemanii	Freeman's Maple	26.0, 23.3, 18.2, 17.6, 14.5	3.12	Good		Remove	Within construction footprint
464	Acer x freemanii	Freeman's Maple	16.8	2.02	Good		Remove	Within construction footprint
465	Acer x freemanii	Freeman's Maple	28.0, 19.9, 19.5, 19.0, 15.7	3.36	Good		Remove	Within construction footprint
466	Acer x freemanii	Freeman's Maple	25.0, 22.0	3.00	Good		Remove	Within construction footprint
467	Acer x freemanii	Freeman's Maple	25.4, 18.7	3.05	Good		Remove	Within construction footprint
468	Acer x freemanii	Freeman's Maple	16.4, 10.8	1.97	Good		Remove	Within construction footprint
469	Acer x freemanii	Freeman's Maple	46.3	5.56	Good		Remove	Within construction footprint
470	Acer x freemanii	Freeman's Maple	19.2, 18.4, 18.0, 12.1, 11.9	2.30	Good		Remove	Within construction footprint
471	Acer x freemanii	Freeman's Maple	24.8, 22.5, 22.3, 16.9, 15.5, 14.5, 14.5	2.98	Good		Remove	Within construction footprint
472	Acer x freemanii	Freeman's Maple	19.8, 12.0, 11.4, 11.3	2.38	Good		Remove	Within construction footprint
473	Acer x freemanii	Freeman's Maple	17.5, 15.7	2.10	Good		Remove	Within construction footprint
474	Acer x freemanii	Freeman's Maple	13.8	1.66	Good		Remove	Within construction footprint
475	Acer x freemanii	Freeman's Maple	25.0, 18.7	3.00	Good		Remove	Within construction footprint
476	Acer x freemanii	Freeman's Maple	19.1, 16.6, 15.9	2.29	Good		Remove	Within construction footprint
477	Acer x freemanii	Freeman's Maple	15.1, 13.7, 11.7	0.15	Good		Remove	Within construction footprint
478	Acer x freemanii	Freeman's Maple	17.6, 14.8, 12.5	2.11	Good		Remove	Within construction footprint
479	Acer x freemanii	Freeman's Maple	17.3	2.08	Good		Remove	Within construction footprint
480	Populus deltoides ssp. deltoides	Eastern Cottonwood	23.0, 23.0, 16.6, 16.4	2.76	Good		Remove	Within construction footprint
481	Populus deltoides ssp. deltoides	Eastern Cottonwood	18.8	2.26	Good		Remove	Within construction footprint
482	Populus deltoides ssp. deltoides	Eastern Cottonwood	13.2	1.58	Dead	Snag	Remove	Within construction footprint
483	Populus deltoides ssp. deltoides	Eastern Cottonwood	26	3.12	Dead	Snag	Remove	Within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
484	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	36.0, 33.3	4.32	Good		Remove	Within construction footprint
485	<i>Acer x freemanii</i>	Freeman's Maple	13.7, 13.3	1.64	Good		Remove	Within construction footprint
486	<i>Acer x freemanii</i>	Freeman's Maple	21.8	2.62	Good		Remove	Within construction footprint
487	<i>Acer x freemanii</i>	Freeman's Maple	23.0, 15.6	2.76	Good		Remove	Within construction footprint
488	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	39.3	4.72	Good		Remove	Within construction footprint
489	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	49.1, 44.0, 43.4	5.89	Good		Remove	Within construction footprint
490	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	18	2.16	Dead	Snag and cavity	Remove	Within construction footprint
491	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	18.5, 13.0	2.22	Good		Remove	Within construction footprint
492	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	43.1, 14.3	5.17	Good		Remove	Within construction footprint
493	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	35.4, 17.0	4.25	Good		Remove	Within construction footprint
494	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	20	2.40	Good		Remove	Within construction footprint
495	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	14.7	1.76	Good		Remove	Within construction footprint
496	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	20.1	2.41	Good		Remove	Within construction footprint
497	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	20	2.40	Good		Remove	Within construction footprint
498	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	22.1	2.65	Good		Remove	Within construction footprint
499	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	27.4, 16.4	3.29	Good		Remove	Within construction footprint
500	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	20.1	2.41	Good		Remove	Within construction footprint
501	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	27.5, 13.6	3.30	Good		Remove	Within construction footprint
502	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	26.6, 25.4, 25.1, 22.6, 16.0, 12.0	3.19	Good		Remove	Within construction footprint
503	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	23.9	2.87	Good		Remove	Within construction footprint
504	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	11.2	1.34	Good		Remove	Within construction footprint
505	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	37.1, 27.3, 20.3, 17.4	4.45	Good	20.3 DBH = dead/snag	Remove	Within construction footprint
506	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	37.4, 33.3, 30.5	4.49	Good		Remove	Within construction footprint
507	<i>Rhamnus cathartica</i>	Common Buckthorn	12.4	1.49	Good		Remove	Within construction footprint
508	<i>Fraxinus pennsylvanica</i>	Green Ash	10.5	1.26	Good		Remove	Within construction footprint
509	<i>Rhamnus cathartica</i>	Common Buckthorn	16.3	1.96	Good		Remove	Within construction footprint
510	<i>Acer negundo</i>	Manitoba Maple	25	3.00	Good		Remove	Within construction footprint
511	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	26.7, 20.2, 16.0, 13.7	3.20	Good		Remove	Within construction footprint
512	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	31.1, 25.9, 24.6, 18.0	3.73	Good		Remove	Within construction footprint
513	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	17.6, 14.7	2.11	Good		Remove	Within construction footprint
514	<i>Acer x freemanii</i>	Freeman's Maple	12.5	1.50	Good		Remove	Within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
515	<i>Acer negundo</i>	Manitoba Maple	18.5, 18.2, 17.0	2.22	Good		Remove	Within construction footprint
516	<i>Acer negundo</i>	Manitoba Maple	18.1, 17.2, 13.7, 12.9	2.17	Good		Remove	Within construction footprint
517	<i>Rhamnus cathartica</i>	Black Locust	12.1	1.45	Good		Remove	Within construction footprint
518	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	21.5	2.58	Good		Remove	Within construction footprint
519	<i>Rhamnus cathartica</i>	Common Buckthorn	13.4	1.61	Good		Remove	Within construction footprint
520	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	26.9	3.23	Good		Remove	Within construction footprint
521	<i>Acer x freemanii</i>	Freeman's Maple	31.3, 31.0, 30.8, 28.7, 18.9, 16.9, 16.2, 15.0	3.76	Good		Remove	Within construction footprint
522	<i>Acer x freemanii</i>	Freeman's Maple	23.2, 22.7	2.78	Good		Remove	Within construction footprint
523	<i>Acer x freemanii</i>	Freeman's Maple	18.4, 13.9	2.21	Good		Remove	Within construction footprint
524	<i>Acer x freemanii</i>	Freeman's Maple	23.8, 21.0, 16.1, 13.1	2.86	Good		Remove	Within construction footprint
525	<i>Acer x freemanii</i>	Freeman's Maple	20.9, 19.1, 16.6	2.51	Good		Remove	Within construction footprint
526	<i>Acer x freemanii</i>	Freeman's Maple	22.4, 20.3, 13.5	2.69	Good		Remove	Within construction footprint
527	<i>Acer x freemanii</i>	Freeman's Maple	31.2, 31.0, 28.0, 19.7, 11.1	3.74	Good		Remove	Within construction footprint
528	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	35.5, 28.8	4.26	Good		Remove	Within construction footprint
529	<i>Acer x freemanii</i>	Freeman's Maple	12.8	1.54	Good		Remove	Within construction footprint
530	<i>Acer x freemanii</i>	Freeman's Maple	16.6	1.99	Good		Remove	Within construction footprint
531	<i>Acer x freemanii</i>	Freeman's Maple	18.4	2.21	Good		Remove	Within construction footprint
532	<i>Acer x freemanii</i>	Freeman's Maple	14.6	1.75	Good		Remove	Within construction footprint
533	<i>Acer x freemanii</i>	Freeman's Maple	20.1, 17.6	2.41	Good		Remove	Within construction footprint
534	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	17.4	2.09	Good		Remove	Within construction footprint
535	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	15.9	1.91	Good		Remove	Within construction footprint
536	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	17.7	2.12	Good		Remove	Within construction footprint
537	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	25.5, 20.0, 13.1	3.06	Good		Remove	Within construction footprint
538	<i>Acer x freemanii</i>	Freeman's Maple	15.9	1.91	Good		Remove	Within construction footprint
539	<i>Acer x freemanii</i>	Freeman's Maple	16.4	1.97	Good		Remove	Within construction footprint
540	<i>Acer x freemanii</i>	Freeman's Maple	21.4, 12.2	2.57	Good		Remove	Within construction footprint
541	<i>Acer x freemanii</i>	Freeman's Maple	31.9	3.83	Good		Remove	Within construction footprint
542	<i>Acer x freemanii</i>	Freeman's Maple	18.9, 15.6	2.27	Good		Remove	Within construction footprint
543	<i>Acer x freemanii</i>	Freeman's Maple	15.6, 14.6, 12.0	1.87	Good		Remove	Within construction footprint
544	<i>Acer x freemanii</i>	Freeman's Maple	15.2, 13.1	1.82	Good		Remove	Within construction footprint
545	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	27.9	3.35	Good		Remove	Within construction footprint

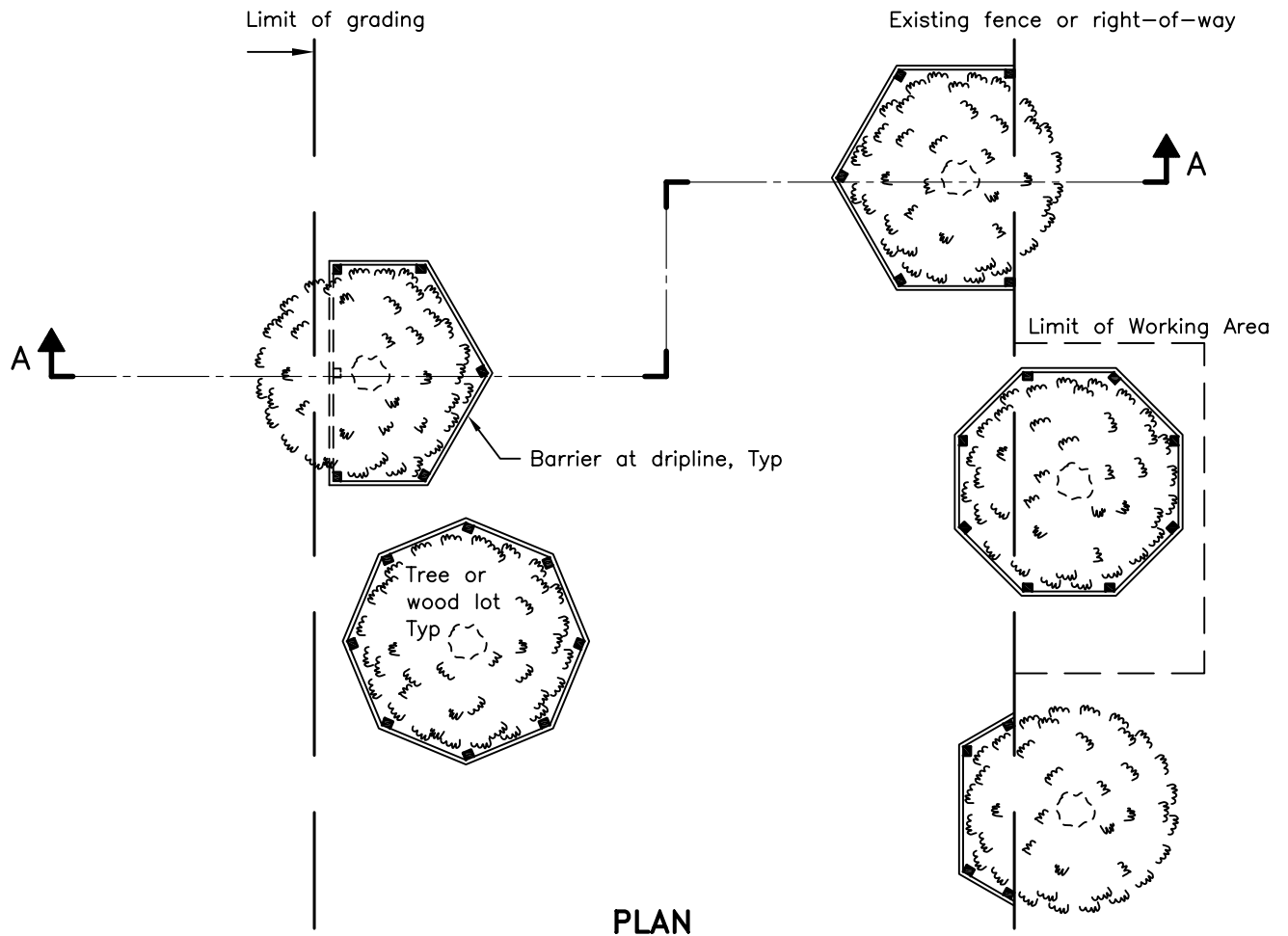
Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
546	Acer negundo	Manitoba Maple	16.8	2.02	Good		Remove	Within construction footprint
547	Acer negundo	Manitoba Maple	11	1.32	Good		Remove	Within construction footprint
548	Acer negundo	Manitoba Maple	33.3, 15.7, 14.0, 13.7, 11.7	4.00	Good		Remove	Within construction footprint
549	Acer x freemanii	Freeman's Maple	17.3, 16.9, 13.8	2.08	Good		Remove	Within construction footprint
550	Populus deltoides ssp. deltoides	Eastern Cottonwood	31.7, 28.4, 22.9, 19.7	3.80	Good		Remove	Within construction footprint
551	Populus deltoides ssp. deltoides	Eastern Cottonwood	36.7, 26.4, 21.4	4.40	Good		Remove	Within construction footprint
552	Acer x freemanii	Freeman's Maple	11.5	1.38	Good		Remove	Within construction footprint
553	Populus deltoides ssp. deltoides	Eastern Cottonwood	20.0, 15.6, 15.4	2.40	Good		Retain	Not within construction footprint
554	Populus deltoides ssp. deltoides	Eastern Cottonwood	28.3	3.40	Good		Remove	Within construction footprint
555	Populus deltoides ssp. deltoides	Eastern Cottonwood	21.2	2.54	Dead		Remove	Within construction footprint
556	Populus deltoides ssp. deltoides	Eastern Cottonwood	24.6, 10.9, 10.4	2.95	Good		Retain	Not within construction footprint
557	Populus deltoides ssp. deltoides	Eastern Cottonwood	29.6	3.55	Good		Remove	Within construction footprint
558	Populus deltoides ssp. deltoides	Eastern Cottonwood	19.2, 11.1	2.30	Good		Remove	Within construction footprint
559	Populus deltoides ssp. deltoides	Eastern Cottonwood	23	2.76	Good		Remove	Within construction footprint
560	Populus deltoides ssp. deltoides	Eastern Cottonwood	22.1, 16.1, 14.7	2.65	Good		Remove	Within construction footprint
561	Populus deltoides ssp. deltoides	Eastern Cottonwood	21.3, 13.3	2.56	Good		Retain	Not within construction footprint
562	Populus deltoides ssp. deltoides	Eastern Cottonwood	25.1, 24.7, 21.4, 19.9	3.01	Good		Retain	Not within construction footprint
563	Populus deltoides ssp. deltoides	Eastern Cottonwood	12.7	1.52	Dead		Retain	Not within construction footprint
564	Populus deltoides ssp. deltoides	Eastern Cottonwood	19.6	2.35	Good		Retain	Not within construction footprint
565	Populus deltoides ssp. deltoides	Eastern Cottonwood	15.2, 13.7	1.82	Good		Retain	Not within construction footprint
566	Populus deltoides ssp. deltoides	Eastern Cottonwood	13.2	1.58	Dead		Retain	Not within construction footprint
567	Populus deltoides ssp. deltoides	Eastern Cottonwood	27.3, 19.5, 19.3, 16.4	3.28	Good		Retain	Not within construction footprint
568	Populus deltoides ssp. deltoides	Eastern Cottonwood	38.1	4.57	Dead		Retain	Not within construction footprint
569	Populus deltoides ssp. deltoides	Eastern Cottonwood	32.8, 15.3, 14.9	3.94	Good		Retain	Not within construction footprint
570	Populus deltoides ssp. deltoides	Eastern Cottonwood	33.5, 27.0, 18.2	4.02	Good		Retain	Not within construction footprint
571	Populus deltoides ssp. deltoides	Eastern Cottonwood	28.7	3.44	Good		Retain	Not within construction footprint
572	Acer x freemanii	Freeman's Maple	11.4	1.37	Good		Retain	Not within construction footprint
573	Populus deltoides ssp. deltoides	Eastern Cottonwood	28.5, 14.9, 12.8	3.42	Good		Retain	Not within construction footprint
574	Acer negundo	Manitoba Maple	13.7	1.64	Good		Retain	Not within construction footprint
575	Acer negundo	Manitoba Maple	14.1, 13.5, 10.2	1.69	Good		Retain	Not within construction footprint
576	Acer negundo	Manitoba Maple	14.6	1.75	Good		Retain	Not within construction footprint

Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
577	Populus deltoides ssp. deltoides	Eastern Cottonwood	19.9	2.39	Good		Retain	Not within construction footprint
578	Populus deltoides ssp. deltoides	Eastern Cottonwood	29.7	3.56	Good		Retain	Not within construction footprint
579	Populus deltoides ssp. deltoides	Eastern Cottonwood	36.4	4.37	Good		Remove	Within construction footprint
580	Ulmus americana	American Elm	35.7	4.28	Good		Retain	Not within construction footprint
581	Populus deltoides ssp. deltoides	Eastern Cottonwood	21.4	2.57	Good		Retain	Not within construction footprint
582	Populus deltoides ssp. deltoides	Eastern Cottonwood	22	2.64	Good		Retain	Not within construction footprint
583	Populus deltoides ssp. deltoides	Eastern Cottonwood	25.5	3.06	Dead	Snag	Retain	Not within construction footprint
584	Populus deltoides ssp. deltoides	Eastern Cottonwood	30.0, 13.1	3.60	Good		Retain	Not within construction footprint
585	Acer x freemanii	Freeman's Maple	16.0, 12.0, 11.3, 10.5	1.92	Good		Retain	Not within construction footprint
586	Acer x freemanii	Freeman's Maple	12.9, 10.8	1.55	Good		Retain	Not within construction footprint
587	Populus deltoides ssp. deltoides	Eastern Cottonwood	18.3	2.20	Good		Retain	Not within construction footprint
588	Populus deltoides ssp. deltoides	Eastern Cottonwood	14.5	1.74	Good		Retain	Not within construction footprint
589	Populus deltoides ssp. deltoides	Eastern Cottonwood	20.7	2.48	Good		Retain	Not within construction footprint
590	Populus deltoides ssp. deltoides	Eastern Cottonwood	22.4, 21.6	2.69	Good		Retain	Not within construction footprint
591	Populus deltoides ssp. deltoides	Eastern Cottonwood	17.8, 11.1	2.14	Good		Retain	Not within construction footprint
592	Populus deltoides ssp. deltoides	Eastern Cottonwood	12	1.44	Good		Retain	Not within construction footprint
593	Populus deltoides ssp. deltoides	Eastern Cottonwood	21	2.52	Good		Retain	Not within construction footprint
594	Populus deltoides ssp. deltoides	Eastern Cottonwood	20.8	2.50	Good		Retain	Not within construction footprint
595	Populus deltoides ssp. deltoides	Eastern Cottonwood	24	2.88	Good		Retain	Not within construction footprint
596	Populus deltoides ssp. deltoides	Eastern Cottonwood	26.9	3.23	Good		Retain	Not within construction footprint
597	Populus deltoides ssp. deltoides	Eastern Cottonwood	19.2	2.30	Good		Retain	Not within construction footprint
598	Populus deltoides ssp. deltoides	Eastern Cottonwood	19.3	2.32	Good		Retain	Not within construction footprint
599	Populus deltoides ssp. deltoides	Eastern Cottonwood	25.9	3.11	Good		Retain	Not within construction footprint
600	Populus deltoides ssp. deltoides	Eastern Cottonwood	22	2.64	Good		Retain	Not within construction footprint
601	Populus deltoides ssp. deltoides	Eastern Cottonwood	22.2, 21.0	2.66	Good		Retain	Not within construction footprint
602	Populus deltoides ssp. deltoides	Eastern Cottonwood	12.8	1.54	Good		Retain	Not within construction footprint
603	Populus deltoides ssp. deltoides	Eastern Cottonwood	18.6, 18.5	2.23	Good		Retain	Not within construction footprint
604	Populus deltoides ssp. deltoides	Eastern Cottonwood	23.8	2.86	Good		Retain	Not within construction footprint
605	Populus deltoides ssp. deltoides	Eastern Cottonwood	20.1	2.41	Good		Retain	Not within construction footprint
606	Populus deltoides ssp. deltoides	Eastern Cottonwood	24	2.88	Good		Retain	Not within construction footprint
607	Populus deltoides ssp. deltoides	Eastern Cottonwood	27.1, 20.9	3.25	Good		Retain	Not within construction footprint

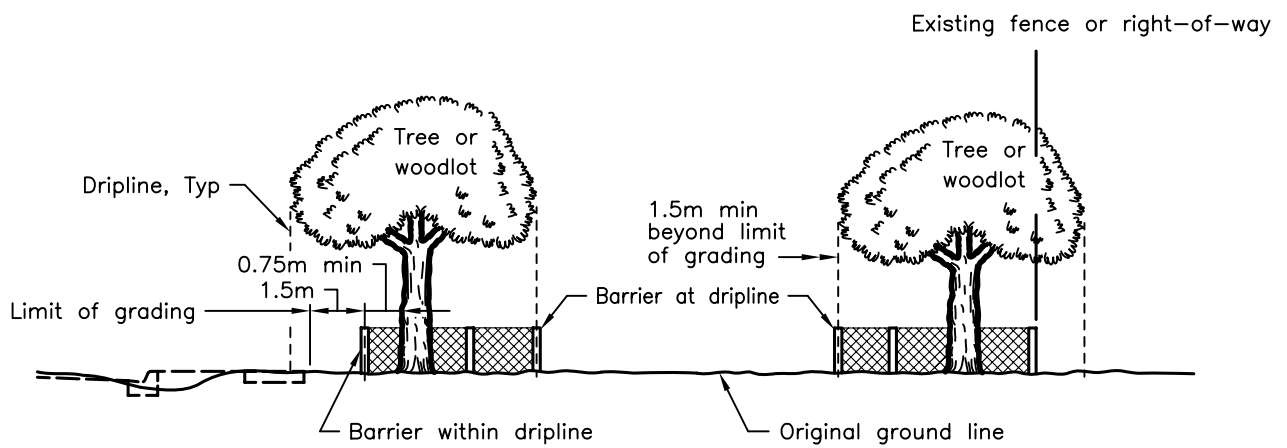
Figure ID	Scientific Name	Common Name	DBH (cm)	Critical Root Zone/Tree Protection Zone (m)	Condition	Level 2 Assessment Notes	Action	Rationale for Removal or Preservation
608	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	26.2	3.14	Good		Retain	Not within construction footprint
609	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	24.0, 16.4	2.88	Good		Retain	Not within construction footprint
610	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	16	1.92	Good		Retain	Not within construction footprint
611	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	23.0, 11.4	2.76	Good		Retain	Not within construction footprint
612	<i>Acer x freemanii</i>	Freeman's Maple	21.1, 18.0, 16.3, 11.8, 10.2	2.53	Good		Retain	Not within construction footprint
613	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	36.4	4.37	Good		Retain	Not within construction footprint
614	<i>Populus deltoides</i> ssp. <i>deltoides</i>	Eastern Cottonwood	22.1	2.65	Good		Remove	Within construction footprint

Appendix D

Ontario Standard Barrier for Tree Protection



PLAN



SECTION A-A

ONTARIO PROVINCIAL STANDARD DRAWING

Nov 2007 Rev 0

BARRIER FOR TREE PROTECTION



OPSD 220.010