

**MATT 1321  
Tree Conservation Report  
Stonebridge Golf Course Infrastructure Improvements**

**February 3, 2022**

Submitted to: Melissa Pettem

**KILGOUR & ASSOCIATES LTD.**  
[www.kilgourassociates.com](http://www.kilgourassociates.com)



## TABLE OF CONTENTS

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<b>1.0 INTRODUCTION .....</b>	<b>1</b>
<b>2.0 PROPERTY INFORMATION .....</b>	<b>1</b>
2.1 PROPERTY OWNER/APPLICANT AND ARBORIST CONTACT INFORMATION	3
2.1.1 Qualifications of Arborist.....	3
2.2 ADDITIONAL APPLICATIONS	3
<hr/>	
<b>3.0 EXISTING CONDITIONS .....</b>	<b>3</b>
3.1 TREE INVENTORY	3
3.2 ECOLOGICAL SIGNIFICANCE OF TREES ON SITE	4
3.3 OTHER NATURAL ENVIRONMENT ELEMENTS	4
3.3.1 Surface Water Features .....	4
3.3.2 Steep Slopes.....	4
3.3.3 Valued Woodlots .....	4
3.3.4 Significant Woodlands.....	4
3.3.5 Greenspace Linkages .....	4
3.3.6 Distinctive Trees.....	5
3.3.7 Hazardous Trees.....	5
3.3.8 Unique Ecological Features.....	5
<hr/>	
<b>4.0 PROPOSED DEVELOPMENT .....</b>	<b>6</b>
<b>5.0 MITIGATION MEASURES.....</b>	<b>8</b>
5.1 SITE PREPARATION AND CONSTRUCTION	8
5.2 TREE PLANTING RECOMMENDATIONS	8
<hr/>	
<b>6.0 CLOSURE .....</b>	<b>9</b>
<b>7.0 LITERATURE CITED.....</b>	<b>10</b>

### List of Figures

Figure 1 Site context and tree locations .....	2
Figure 2 Proposed development and tree locations .....	7

### List of Tables

Table 1 Contact information for the property owner/apPLICANT and arborist.....	3
Table 2 List of distinctive trees occurring on the Site.....	5



## 1.0 INTRODUCTION

This Tree Conservation Report (TCR) was prepared by Kilgour & Associates Ltd. (KAL) on behalf of Mattamy Homes in support of the proposed golf course infrastructure improvements at Stonebridge Golf Course. The client requires the removal of trees from the proposed work area to allow for the development of new golf course infrastructure

A TCR is required for all Plans of Subdivision, Site Plan Control Applications, Common Elements Condominium Applications, and Vacant Land Condominium Applications where there is a tree of 10 cm in diameter at breast height (DBH) or greater on a site and/or if there is a tree on an adjacent site that has a critical root zone (CRZ) extending into the proposed work area. A “tree” is defined as any species of woody perennial plant, including its root system, which has reached or can reach a minimum height of at least 450 cm at physiological maturity. The CRZ is calculated as  $DBH \times 10 \text{ cm}$ .

The removal of trees on the Site cannot occur until written approval of the TCR has been granted through a tree permit as per the City of Ottawa’s Tree Protection By-law. The approval of the TCR will come in the form of a letter (the tree permit) from the General Manager<sup>1</sup> with conditions specific to the Site, tree retention, and associated tree protection and tree removal. The approved TCR is a requirement for the approval of the development applications listed above. A copy of the report must be available on the Site during tree removal, grading, construction, or any other site alteration activities, and for the duration of construction on the Site.

## 2.0 PROPERTY INFORMATION

The area of proposed site alteration is on a portion of lands owned by Stonebridge Golf Course, located off Longfields drive (the “Site; Figure 1). The Site covers approximately 3.2 ha and is zoned for parks and open space (O1A).

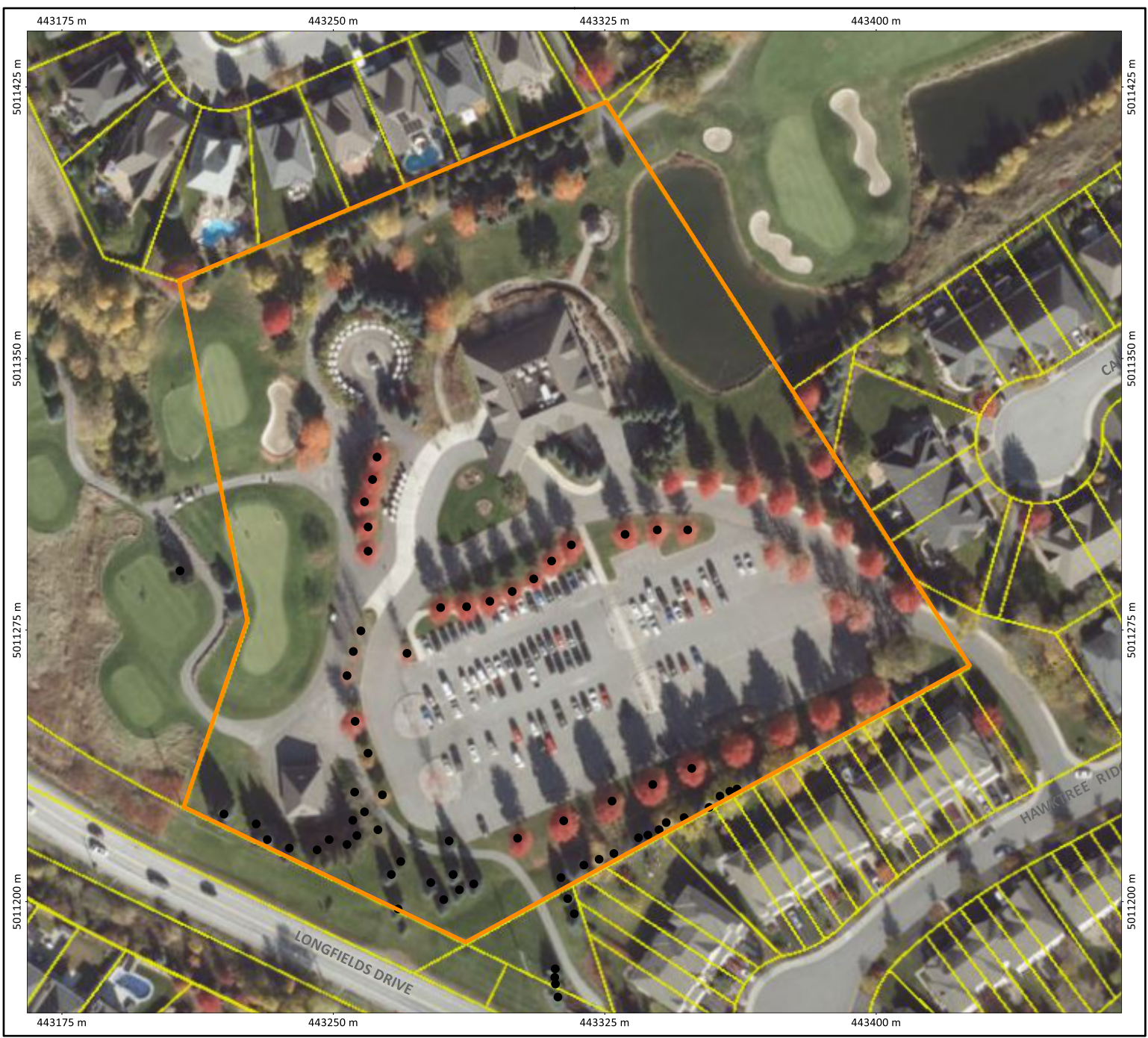
The Site is surrounded by:

- Longfields Drive to the west; and
- Residential developments to the north, east, and south

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<sup>1</sup> General Manager of the Public Works & Environmental Services Department or the General Manager of the Planning, Infrastructure and Economic Development Department of the City of Ottawa, or their designate.

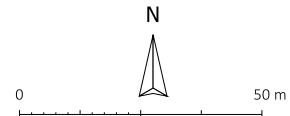




**Figure 1** Site context and tree locations

**Legend**

-  Project Area
-  Tree location



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## 2.1 Property Owner/Applicant and Arborist Contact Information

**Table 1 Contact information for the property owner/applicant and arborist**

Organization	Role	Contact Person	Phone Number	Email Address
Mattamy Homes 50 Hines Road, Suite 100 Kanata, ON, K2K 2M5	Proponent	Melissa Pettem, Land Development Manager	(613) 831 3546	Melissa.pettem@mattamycorp.com
Kilgour & Associates Ltd. 2285-C St. Laurent Blvd., Unit 16, Ottawa, ON, K1G 4Z6	Arborist	Robert Hallett, Dipl.T	(613) 260 5555	rhallett@kilgourassociates.com
Kilgour & Associates Ltd. 2285-C St. Laurent Blvd., Unit 16, Ottawa, ON, K1G 4Z6	Arborist	Anthony Francis, PhD	(613) 277-4027 (613) 260-5555	afrancis@kilgourassociates.com

### 2.1.1 Qualifications of Arborist

**Robert Hallett** (Dipl.T) is a biologist with a broad background in monitoring terrestrial environments. Rob has worked on a wide range of projects relating to species at risk (SAR), Invasive species, terrestrial and aquatic habitat assessments, environmental effects monitoring. He has extensive experience completing collection and assessments in support of tree conservation reports. As a biologist at KAL, Rob regularly participates in the production of TCRs, Environmental Impact Statements, and Integrated Environmental Reviews for land development projects throughout the region. Rob is a certified Butternut Health Assessor (BHA #546).

**Anthony Francis** (Ph.D.) is a Senior Ecologist with 20 years of consulting experience to both government agencies and private industry. He has worked on a diversity of projects relating to species at risk (SAR), invasive species, terrestrial and aquatic habitat, environmental effects monitoring and mitigation, and fate/effects of contaminants. Within each of these subject areas, Dr. Francis has completed projects addressing specific site concerns and broader policy initiatives. Dr. Francis' academic background is in spatial ecology with a focus on tree species diversity. As a Senior Ecologist at KAL, he regularly completes TCRs, Environmental Impact Statements, and Integrated Environmental Reviews for land development projects throughout Ottawa and eastern Ontario. He is also a certified Butternut Health Assessor (BHA #104).

## 2.2 Additional Applications

Not applicable.

## 3.0 EXISTING CONDITIONS

### 3.1 Tree Inventory

An inventory of trees on the Site was performed on January 24, 2022, following guidelines set forth by the City of Ottawa (2020). All trees with a DBH  $\geq$  10 cm having a potential to be removed under the proposed





development were identified, enumerated, mapped, their DBH measured, and their general health and condition documented (Appendix A, Figure 1)

### **3.2 Ecological Significance of Trees on Site**

No federally or provincially significant tree species (i.e., those listed under the *Species at Risk Act* (SARA), the *Endangered Species Act* (ESA), or those tracked on the Natural Heritage Information Centre (MNRF, 2021) are present on or adjacent to the Site. None of the trees occurring near the Site are considered regionally rare or uncommon species by Brunton (2005).

Given their urban context, the trees on the Site likely play a role in the regulation of relative humidity, sequestration of carbon and removal of pollutants, wind-shielding, shading and reduction of urban heat island effects, and filtration of dust, noise, and light pollution. They also provide some habitat structure in the surrounding urban landscape. However, the trees on the Site likely only provide habitat for common bird and small mammal species in the Ottawa area and not species of significance (i.e., species that are at risk, rare, or provincially or federally significant).

### **3.3 Other Natural Environment Elements**

#### **3.3.1 Surface Water Features**

There are no surface water features located within the project area.

#### **3.3.2 Steep Slopes**

No steep slopes occur on or near the Site.

#### **3.3.3 Valued Woodlots**

The Site does not contain any woodlots designated as Urban Natural Features or Natural Environment Areas, areas evaluated in the *City of Ottawa Urban Natural Areas Environmental Evaluation Study* (UNAEES; Muncaster Environmental Planning Inc. and Brunton Consulting Services, 2005), or other areas that meet the criteria used in the UNAEES

#### **3.3.4 Significant Woodlands**

The Site does not contain any significant woodlands per *Significant Woodlands: Guidelines for Identification, Evaluation, and Impact Assessment* (City of Ottawa, 2018).

#### **3.3.5 Greenspace Linkages**

The Site does not contain any greenspace linkages are identified in the Greenspace Master Plan (City of Ottawa, 2016) or as may occur in the larger landscape.



### 3.3.6 Distinctive Trees

The trees detailed in Table 2 are all larger than 30 cm DBH and are thus considered as “Distinctive Trees”. Tree numbers 2, 3, and 45 are slated for removal though the remaining trees are to be retained throughout all phases of the project.

**Table 2 List of distinctive trees occurring on the Site**

Tree ID	Species Name	DBH	Easting	Northing	Fate
T 2	Red Maple ( <i>Acer rubrum</i> )	32	443314	5011222	Removed
T 3	Red Maple ( <i>Acer rubrum</i> )	30	443327	5011228	Removed
T 4	Red Maple ( <i>Acer rubrum</i> )	30	443338	5011232	Retained
T 5	Red Maple ( <i>Acer rubrum</i> )	30	443349	5011237	Retained
T 8	Blue Spruce ( <i>Picea pungens</i> )	35	443357	5011229	Retained
T 9	Bitternut Hickory ( <i>Carya cordiformis</i> )	32	443354	5011226	Retained
T 11	Blue Spruce ( <i>Picea pungens</i> )	30	443342	5011222	Retained
T 14	Basswood ( <i>Tilia americana</i> )	30	443334	5011218	Retained
T 17	Blue Spruce ( <i>Picea pungens</i> )	38	443319	5011210	Retained
T 18	Blue Spruce ( <i>Picea pungens</i> )	42	443313	5011207	Retained
T 19	Blue Spruce ( <i>Picea pungens</i> )	36	443315	5011201	Retained
T 27	Blue Spruce ( <i>Picea pungens</i> )	30	443283	5011207	Retained
T 29	Blue Spruce ( <i>Picea pungens</i> )	32	443277	5011205	Retained
T 30	Blue Spruce ( <i>Picea pungens</i> )	30	443281	5011201	Retained
T 31	Blue Spruce ( <i>Picea pungens</i> )	31	443268	5011198	Retained
T 37	Blue Spruce ( <i>Picea pungens</i> )	34	443255	5011222	Retained
T 38	Blue Spruce ( <i>Picea pungens</i> )	34	443257	5011218	Retained
T 39	Blue Spruce ( <i>Picea pungens</i> )	30	443254	5011216	Retained
T 41	Blue Spruce ( <i>Picea pungens</i> )	30	443245	5011214	Retained
T 42	Blue Spruce ( <i>Picea pungens</i> )	38	443238	5011215	Retained
T 43	Blue Spruce ( <i>Picea pungens</i> )	32	443232	5011217	Retained
T 44	Blue Spruce ( <i>Picea pungens</i> )	34	443220	5011224	Retained
T 45	Blue Spruce ( <i>Picea pungens</i> )	36	443229	5011221	Removed

### 3.3.7 Hazardous Trees

A formal risk assessment for hazardous trees (e.g., Tree Risk Assessment) was not completed for the Site, though all trees observed appeared to be in generally good health or are beginning to show signs of decline.

### 3.3.8 Unique Ecological Features

The Site does not contain any riparian woodlots, rare communities, or other unique ecological features not already addressed in this document.



## 4.0 PROPOSED DEVELOPMENT

The proposed development is the construction of a new cart storage building to be located near the southern portion of the Site. Construction of this building will entail alterations to the nearby parking lot and its adjacent walkways and landscaping, which will necessitate the removal of nine trees in these areas (Table 3, Appendix A). Alterations to the existing parking lot, walkways, and landscaping are also anticipated to extend into the CRZ of 12 trees on the site (Table 3, Appendix A). Work occurring within the CRZ of these trees, however, is not anticipated to negatively impact them in a significant manner as the current site conditions already interact with and impede upon their critical root zones (i.e., the trees already abut curbs and the work there will consist primarily of minor adjustments to those curbs).

**Table 3 List of trees to be retained, but with work planned within the CRZ**

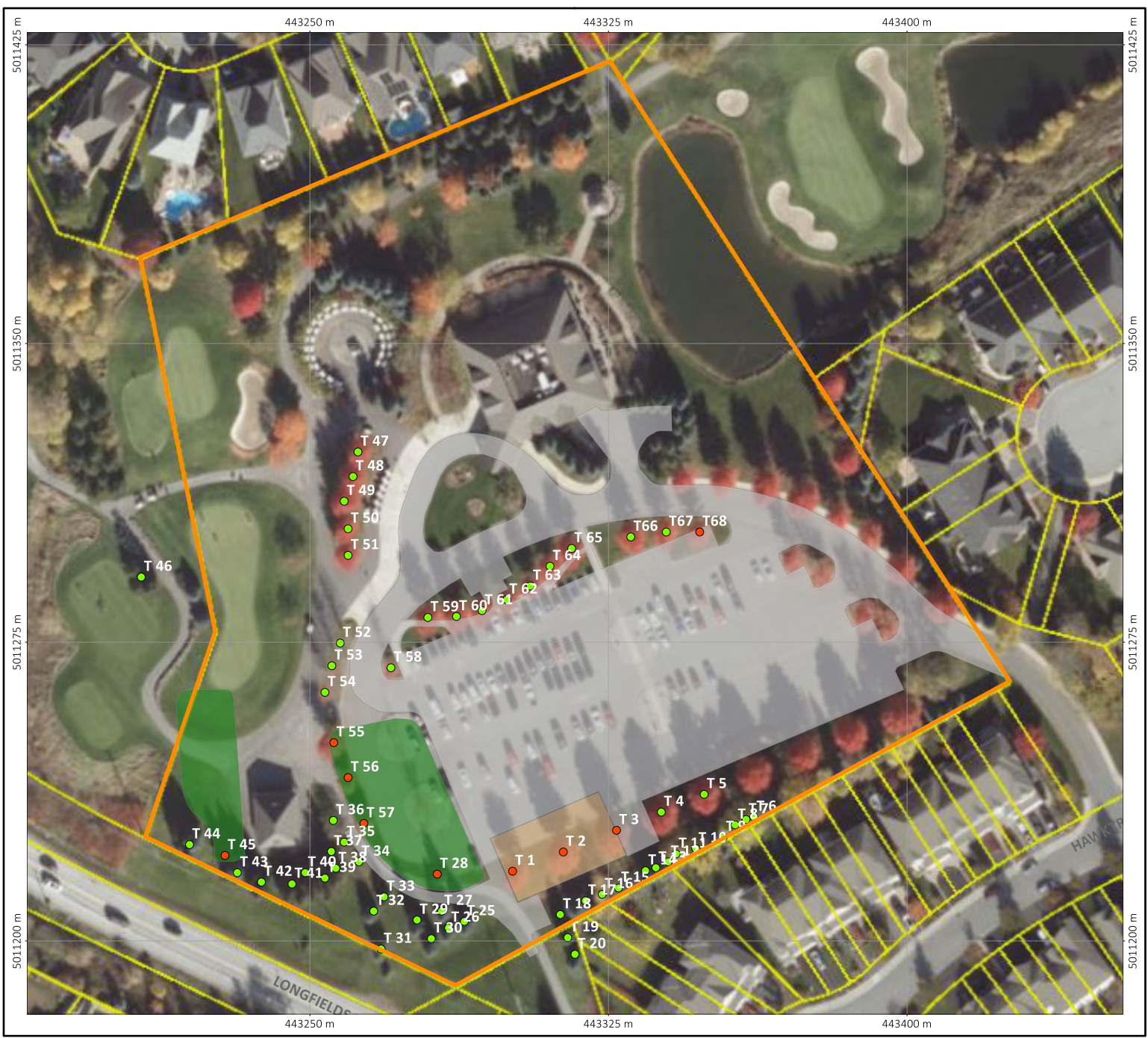
Tree ID	Species Name	DBH	Easting	Northing	Fate
T 1	Sugar Maple ( <i>Acer saccharum</i> )	28	443300	5011217	Removed
T 2	Red Maple ( <i>Acer rubrum</i> )	32	443313	5011222	Removed
T 3	Red Maple ( <i>Acer rubrum</i> )	30	443327	5011227	Removed
T 28	Blue Spruce ( <i>Picea pungens</i> )	22	443281	5011216	Removed
T 45	Blue Spruce ( <i>Picea pungens</i> )	36	443228	5011221	Removed
T 55	Red Maple ( <i>Acer rubrum</i> )	20	443256	5011249	Removed
T 56	Red Maple ( <i>Acer rubrum</i> )	18	443259	5011241	Removed
T 57	Red Maple ( <i>Acer rubrum</i> )	16	443263	5011229	Removed
T68	Red Maple ( <i>Acer rubrum</i> )	22	443347	5011302	Removed
T 18	Blue Spruce ( <i>Picea pungens</i> )	42	443313	5011207	Retained*
T 27	Blue Spruce ( <i>Picea pungens</i> )	30	443283	5011207	Retained*
T 43	Blue Spruce ( <i>Picea pungens</i> )	32	443232	5011217	Retained*
T 58	Red Maple ( <i>Acer rubrum</i> )	20	443270	5011269	Retained*
T 59	Red Maple ( <i>Acer rubrum</i> )	26	443280	5011281	Retained*
T 60	Red Maple ( <i>Acer rubrum</i> )	24	443287	5011281	Retained*
T 61	Red Maple ( <i>Acer rubrum</i> )	22	443293	5011283	Retained*
T 62	Red Maple ( <i>Acer rubrum</i> )	22	443299	5011286	Retained*
T 63	Red Maple ( <i>Acer rubrum</i> )	20	443305	5011289	Retained*
T 64	Red Maple ( <i>Acer rubrum</i> )	25	443310	5011294	Retained*
T 65	Red Maple ( <i>Acer rubrum</i> )	25	443316	5011299	Retained*
T67	Red Maple ( <i>Acer rubrum</i> )	25	443340	5011303	Retained*

\* Minor work planned within the CRZ but with no negative impacts anticipated

All other trees on the Site will be retained. Alterations to the golf course layout are also planned, though these are not anticipated to interact with site trees. Site works are planned to commence in the late winter or early spring of 2022.



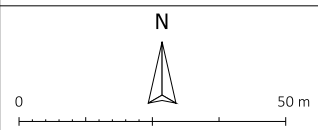




**Figure 2** Proposed development and tree locations.

**Legend**

- Tree to be removed
  - Tree to be retained
- Proposed Development**
- Cart Storage Building
  - Landscaping
  - Paved Area
  - Project Area



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## 5.0 MITIGATION MEASURES

### 5.1 Site Preparation and Construction

The following mitigation measures should be applied during Site preparation and construction:

- Trees adjacent to the Site will not be removed or damaged.
- To minimize impacts to trees to be retained on the Site:
  - Erect a fence beyond the retained trees along the proposed edge of paving. While this fence will fall within the nominal CRZ of the retained trees, the fence in this location will protect roots occurring within the extent that they have grown to date. The fence should be highly visible (orange construction fence) and paired with erosion and sediment control fencing.
  - Pruning of branches is recommended in areas of potential conflict with construction equipment but must be completed by a certified arborist.
  - Do not place any material or equipment within the areas protected by the construction fencing.
  - Do not attach any signs, notices, or posters to any trees.
  - Do not raise or lower the existing grade within areas protected by the construction fencing without approval.
  - Tunnel or bore when digging within the CRZ of a tree.
  - Do not damage the root system, trunk, or branches of any remaining trees.
  - Ensure that exhaust fumes from all equipment are not directed towards any tree's canopy.

### 5.2 Tree Planting Recommendations

Per Schedule B of the City of Ottawa Tree Protection By-Law (No. 2020-340), compensatory tree planting should be at a 1:1 replacement ratio for private properties in the urban area over 1 ha in size. Replacement tree planting should be on the same property in the vicinity of the work area.

Trees to be removed include six Red Maples (*Acer rubrum*), two Blue Spruce (*Picea pungens*) and a Sugar Maple (*Acer saccharum*). Replacement trees should be of the same species and numbers except that White Spruce (*Picea glauca*), a species indigenous to the region, should be used instead of Blue Spruce.



## 6.0 CLOSURE

This report was prepared for exclusive use by Mattamy Homes. The report may only be distributed by those entities. Questions relating to the data and interpretation can be addressed to the undersigned.

Respectfully submitted,

**KILGOUR & ASSOCIATES LTD.**



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613-260-5555

CC: Katie Black (KAL)

Attachments: Appendix A – Tree Data



## 7.0 LITERATURE CITED

- Brunton, D.F. 2005. Vascular Plants of the City of Ottawa. Appendix A in Muncaster Environmental Planning and Brunton Consulting Services. Urban Natural Areas Environmental Evaluation Study, Final Report to City of Ottawa.
- City of Ottawa. 2016. Greenspace Master Plan. Available online at: <https://ottawa.ca/en/planning-development-and-construction/official-plan-and-master-plans/greenspace-master-plan>
- City of Ottawa. 2018. Significant Woodlands: Guidelines for Identification, Evaluation, and Impact Assessment. Available online at: <http://ottwatch.ca/meetings/file/572913>
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- Muncaster Environmental Planning Inc. and Brunton Consulting Services. 2005. City of Ottawa Urban Natural Areas Environmental Evaluation Study Final Report. A report prepared for the Environmental Management Division, Planning & Growth Management Department, City of Ottawa. Available online at: [https://app06.ottawa.ca/calendar/ottawa/citycouncil/pdc/2005/05-24/Final%20Report\\_UNAEES.htm](https://app06.ottawa.ca/calendar/ottawa/citycouncil/pdc/2005/05-24/Final%20Report_UNAEES.htm)



Appendix A – Tree Data

Tree ID	Species Name	UTM ZONE 18T		Number of Stems	DBH	Trunk Health	Canopy Health	Fate
		Easting	Northing					
T 1	Sugar Maple ( <i>Acer saccharum</i> )	443301	5011218	1	28	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Removed
T 2	Red Maple ( <i>Acer rubrum</i> )	443314	5011222	1	32	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Removed
T 3	Red Maple ( <i>Acer rubrum</i> )	443327	5011228	1	30	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Removed
T 4	Red Maple ( <i>Acer rubrum</i> )	443338	5011232	1	30	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 5	Red Maple ( <i>Acer rubrum</i> )	443349	5011237	1	30	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 6	Blue Spruce ( <i>Picea pungens</i> )	443362	5011231	1	22	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 7	Blue Spruce ( <i>Picea pungens</i> )	443360	5011230	1	25	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 8	Blue Spruce ( <i>Picea pungens</i> )	443357	5011229	1	35	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 9	Bitternut Hickory ( <i>Carya cordiformis</i> )	443354	5011226	1	32	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 10	Blue Spruce ( <i>Picea pungens</i> )	443347	5011223	2	28	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 11	Blue Spruce ( <i>Picea pungens</i> )	443342	5011222	1	30	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 12	Blue Spruce ( <i>Picea pungens</i> )	443340	5011220	1	26	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 13	Basswood ( <i>Tilia americana</i> )	443337	5011218	1	28	Fair: tree displays 15-40% deficiency/defect	Fair: tree displays 15-40% deficiency/defect	Retained
T 14	Basswood ( <i>Tilia americana</i> )	443334	5011218	1	30	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 15	White Birch ( <i>Betula papyrifera</i> )	443328	5011213	5	11	Fair: tree displays 15-40% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 16	Blue Spruce ( <i>Picea pungens</i> )	443323	5011212	1	27	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 17	Blue Spruce ( <i>Picea pungens</i> )	443319	5011210	1	38	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 18	Blue Spruce ( <i>Picea pungens</i> )	443313	5011207	1	42	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained*
T 19	Blue Spruce ( <i>Picea pungens</i> )	443315	5011201	1	36	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 20	Blue Spruce ( <i>Picea pungens</i> )	443317	5011197	1	29	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 21	Blue Spruce ( <i>Picea pungens</i> )	443311	5011181	1	26	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 22	Blue Spruce ( <i>Picea pungens</i> )	443311	5011179	1	19	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 23	Blue Spruce ( <i>Picea pungens</i> )	443311	5011177	1	28	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 24	Blue Spruce ( <i>Picea pungens</i> )	443312	5011174	1	28	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 25	Blue Spruce ( <i>Picea pungens</i> )	443289	5011205	1	29	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 26	Blue Spruce ( <i>Picea pungens</i> )	443285	5011203	1	29	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 27	Blue Spruce ( <i>Picea pungens</i> )	443283	5011207	1	30	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained*
T 28	Blue Spruce ( <i>Picea pungens</i> )	443282	5011217	1	22	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Removed
T 29	Blue Spruce ( <i>Picea pungens</i> )	443277	5011205	1	32	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 30	Blue Spruce ( <i>Picea pungens</i> )	443281	5011201	1	30	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 31	Blue Spruce ( <i>Picea pungens</i> )	443268	5011198	1	31	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 32	Blue Spruce ( <i>Picea pungens</i> )	443266	5011207	1	26	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 33	Blue Spruce ( <i>Picea pungens</i> )	443269	5011211	1	22	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 34	Apple ( <i>Malus</i> sp.)	443262	5011220	1	12	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 35	Apple ( <i>Malus</i> sp.)	443259	5011225	1	14	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 36	Apple ( <i>Malus</i> sp.)	443256	5011230	1	14	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 37	Blue Spruce ( <i>Picea pungens</i> )	443255	5011222	1	34	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 38	Blue Spruce ( <i>Picea pungens</i> )	443257	5011218	1	34	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 39	Blue Spruce ( <i>Picea pungens</i> )	443254	5011216	1	30	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 40	Blue Spruce ( <i>Picea pungens</i> )	443249	5011217	1	26	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 41	Blue Spruce ( <i>Picea pungens</i> )	443245	5011214	1	30	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 42	Blue Spruce ( <i>Picea pungens</i> )	443238	5011215	1	38	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 43	Blue Spruce ( <i>Picea pungens</i> )	443232	5011217	1	32	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained*
T 44	Blue Spruce ( <i>Picea pungens</i> )	443220	5011224	1	34	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 45	Blue Spruce ( <i>Picea pungens</i> )	443229	5011221	1	36	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Removed
T 46	Blue Spruce ( <i>Picea pungens</i> )	443208	5011291	1	28	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 47	Red Maple ( <i>Acer rubrum</i> )	443262	5011323	1	22	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained

Tree ID	Species Name	UTM ZONE 18T		Number of Stems	DBH	Trunk Health	Canopy Health	Fate
		Eastings	Northing					
T 48	Red Maple (Acer rubrum)	443261	5011317	1	22	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 49	Red Maple (Acer rubrum)	443259	5011310	1	22	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 50	Red Maple (Acer rubrum)	443260	5011303	1	20	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 51	Red Maple (Acer rubrum)	443260	5011297	1	24	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 52	Red Maple (Acer rubrum)	443258	5011275	1	24	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 53	Red Maple (Acer rubrum)	443256	5011269	1	26	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 54	Red Maple (Acer rubrum)	443254	5011262	1	22	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T 55	Red Maple (Acer rubrum)	443256	5011250	1	20	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Removed
T 56	Red Maple (Acer rubrum)	443260	5011241	1	18	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Removed
T 57	Red Maple (Acer rubrum)	443264	5011230	1	16	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Removed
T 58	Red Maple (Acer rubrum)	443270	5011269	1	20	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained*
T 59	Red Maple (Acer rubrum)	443280	5011281	1	26	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained*
T 60	Red Maple (Acer rubrum)	443287	5011281	1	24	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained*
T 61	Red Maple (Acer rubrum)	443293	5011283	1	22	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained*
T 62	Red Maple (Acer rubrum)	443299	5011286	1	22	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained*
T 63	Red Maple (Acer rubrum)	443305	5011289	1	20	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained*
T 64	Red Maple (Acer rubrum)	443310	5011294	1	25	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained*
T 65	Red Maple (Acer rubrum)	443316	5011299	1	25	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained*
T66	Red Maple (Acer rubrum)	443331	5011301	1	25	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained
T67	Red Maple (Acer rubrum)	443340	5011303	1	25	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Retained*
T68	Red Maple (Acer rubrum)	443348	5011303	1	22	Good: tree displays less than 15% deficiency/defect	Good: tree displays less than 15% deficiency/defect	Removed

\* Tree to be retained but with works planned within the Critical Root Zone.