

Tree Management Plan



5150 NINTH LINE

for:

MATTAMY (5150 NINTH LINE) LTD

by:

LGL Limited environmental research associates

OCTOBER 2020 LGL FILE TA8851A

5150 NINTH LINE TREE MANAGEMENT PLAN

prepared by:

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LGL PROJECT TA8851A

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1.0 INTRODUCTION

LGL Limited was retained by Mattamy (5150 Ninth Line) Ltd. to prepare an Arborist Report for 5150 Ninth Line, in the City Mississauga, referred to as the Subject lands, are located east of Highway 407, north of Lower Base Line East, and fronting the west side of 9th Line (**Figure 1**). Current land use includes agricultural hobby farm (pasture, pond, and vegetable rows), cultural meadow, and a single-family residential dwelling. Tree resources include farm field hedgerows and amenity trees. The objectives of this report are to:

- Describe tree resources in relation to the proposed draft plan through a detailed survey and map;
- Identify whether trees are located on private or municipal property;
- Identify whether trees are part of shared ownership;
- Identify trees that may pose a constraint to development;
- Identify trees that require removal to facilitate development;
- Assess/summarize the potential for impacts to trees;
- Minimize impacts to trees and wildlife, to the extent possible;
- Specify the type and locations of tree protection zones; and,
- Comply with City of Mississauga Terms of Reference for Arborist Reports, Tree Inventory/Survey and Tree Preservation Plans (April 2019).

2.0 BACKGROUND

The City of Mississauga has enacted a Terms of Reference for Arborist Reports (April 2019), which regulates the injury and removal of trees on private and municipal property. The City regulates the removal of trees greater than 10 centimetres in diameter on private property, 6 centimetres in diameter on municipal property within 6m of the subject property, and requires landowners to obtain a City permit to remove trees for land development. Permits may be subject to various conditions including, but not limited to, replacement planting requirements, tree preservation planning, and adequate tree protection hoarding.

This report identifies tree resources and respective health characteristics for each tree found within the Subject lands. The information, interpretation and analysis contained within this Assessment are to be used solely for the purposes outlined within this Assessment. This Assessment is for the exclusive use of Mattamy (Ninth Line) Ltd.



3.0 METHODOLOGY

Investigations of the Subject lands were conducted by LGL's ISA Certified Arborist on September 27, 2018, and re-surveyed August 7, 2019 to comply with recent City revisions to tree data collection requirements. Trees on the Subject lands and shared boundaries with adjacent landowners were surveyed using the following methodology for tree inventory and impact assessment:

- Species: each tree was identified to species level using common and scientific names;
- Size: diameter at breast height (DBH) was recorded in centimetres and measured 1.4 metres above ground level, which is consistent with International Society of Arboriculture standards. All trees measuring 10cm DBH or greater within the subject property were assessed. Trees measuring 6cm on municipal property and within 6m of the subject property were also assessed;
- Health: each tree surveyed was assigned a ranking of poor, fair or good health, based on trunk integrity, crown structure, apparent vigour and visible defects;
- On-site identification: each tree was affixed with an aluminum tag showing a unique identification number. In this case, the tag number set 1707-1872 was used;
- All species were screened to determine whether regulations of Ontario's Endangered Species Act (2007) apply; and,
- Geographical location: the location and respective tag identification number of each tree was recorded using a GPS unit with each point being plotted against the proposed draft plan to conduct an impact assessment.

Tree locations were captured using a TopCon GRS1 GPS unit and were uniquely numerically identified. This particular GPS is generally accurate to within 1-2 metres horizontal distance, but due to the inherent difficulties with GPS/satellites please anticipate minor error in point locations (generally less than 5% of the data set). The specifics of the GPS are as follows:

Model:

TopCon GRS-1 RTK GPS

Dual-frequency, 72 channel GPS+GLONASS receiver with Microsoft Windows Mobile 6.1 Classic Operating System, 100Hz receiver

Device Specifications:

Tracked Signals: GPS, GLONASS, L1 C/A Code and Carrier, GPS L2C, WASS/EGNOS/MSAS\

Internal Antenna: Single Frequency, L1 (GPS and GLONASS)

Differential GPS Post Processing: Typically less than 0.5m (RMS)

Data Collection:

Data Collection Parameters: Precision = 2 m HRMS, 5m VRMS

Satellite System: GPS+GLONASS Multipath Reduction Solution Type: Real Time DGPS with SBAS Corrections

SBAS Setup: Best Available Elevation Mask: 8 degrees Antenna: GRS/GSM Series

4.0 RESULTS

A total of 17 species were documented, with DBH values ranging in size from 10 to 123 centimetres. There were several instances of plantation-like groupings/hedges of conifer trees to include White Spruce (*Pinus glauca*), Eastern White Cedar (*Thuja occidentalis*), Eastern Red Cedar (*Juniperus virginiana*), as well as a hedgerow dominated by Silver Maple. Red Ash (*Fraxinus pennsylvanica*) were infrequently observed, but have been impacted by Emerald Ash Borer (*Agrilus planipennis*) to an extent which tree mortality is almost certain. Amenity Bur Oak (*Quercus macrocarpa*) are found fronting Ninth Line and are associated with an existing residence. Additional species such as White Elm (*Ulmus americana*), Corkscrew and hybrid Willow (*Salix matsudana*, S. x *sepulcralis*) are found in the hobby farm pasture. Detailed information pertaining to each individual tree is found in **Appendix A - Tree Inventory**. Identification numbers found in **Appendix A** correspond with those found on **Figure 2**.

4.1 MUNICIPAL TREES

A total of 5 trees are thought to be municipally owned to include 1707 (shared), 1715, 1724 (shared), 1730, and 1811.

4.2 SPECIES AT RISK

Tree species regulated by the Ontario *Endangered Species Act* (2007) were not observed on the Subject lands.

5.0 PROPOSED DRAFT PLAN

The proposed draft plan (**October 2020**) includes townhouses, back to back townhouses, freehold townhouses, and dual frontage townhouses (**Figure 3**). The draft plan provides a 10m buffer to a woodland abutting the northwest property boundary, and a 14m MTO setback from the transitway corridor abutting the southwest property boundary.

6.0 IMPACT ASSESSMENT

An impact analysis has been prepared by overlaying the proposed draft plan onto the GIS tree data. Tree removal has been recommended for instances where grading, lotting, servicing, etc., conflict with tree locations and result in an anticipated impact of approximately 25% of a tree's dripline. Trees located outside of the draft plan areas, and thus, beyond proponent ownership, have been identified for preservation.

6.1 Proposed Tree Removals

All of the trees within the Subject lands will require removal to facilitate the proposed draft plan. A total of 162 tree removals are proposed.



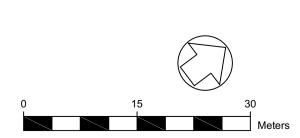
5150 Ninth Line Tree Resources Mattamy (Ninth Line) Ltd.

5150 Ninth Line, Mississauga



(B) Boundary Tree (M) Municipal Tree 37 Tree Location Dripline

Hedge

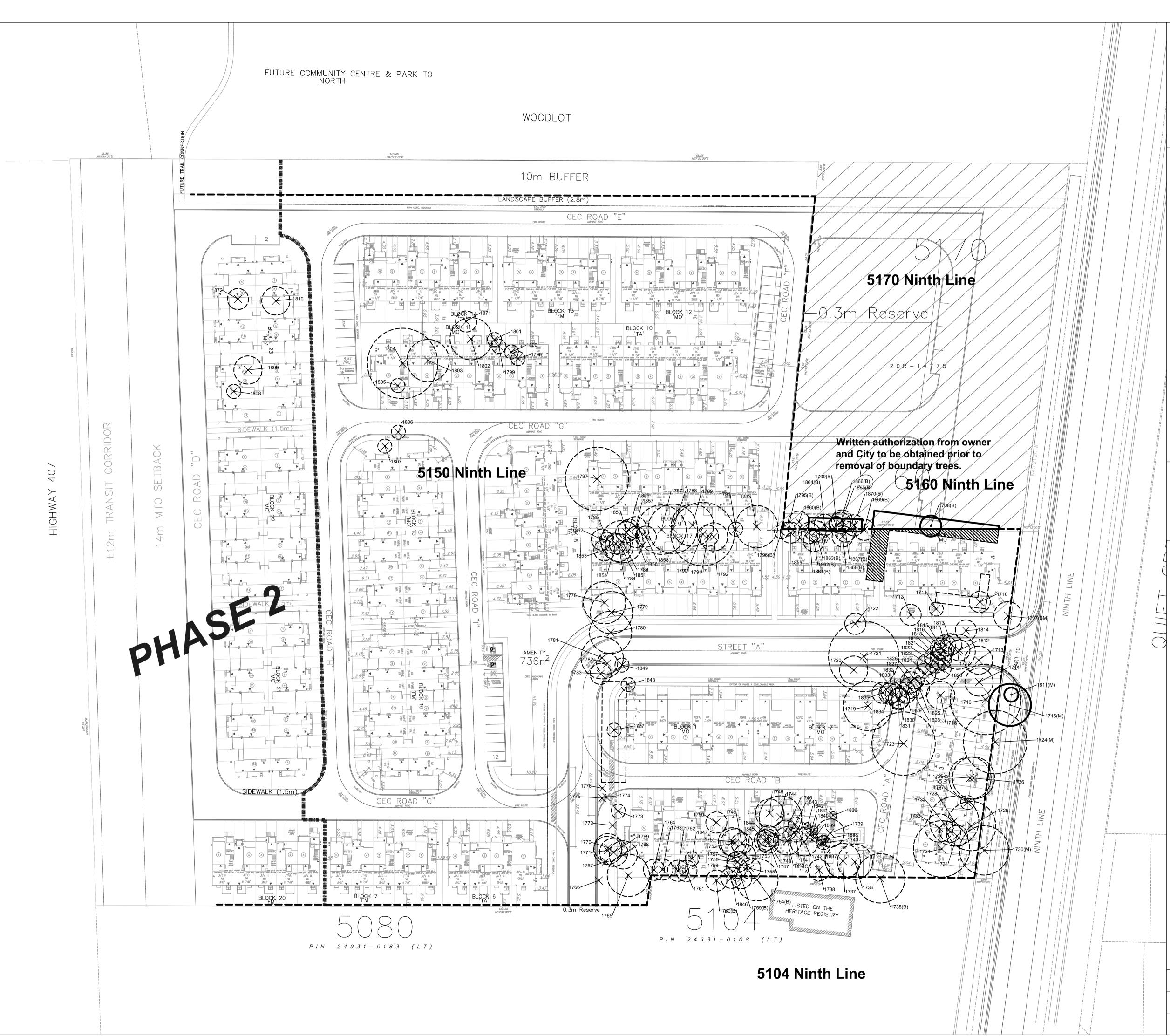




Concept Plan vers:

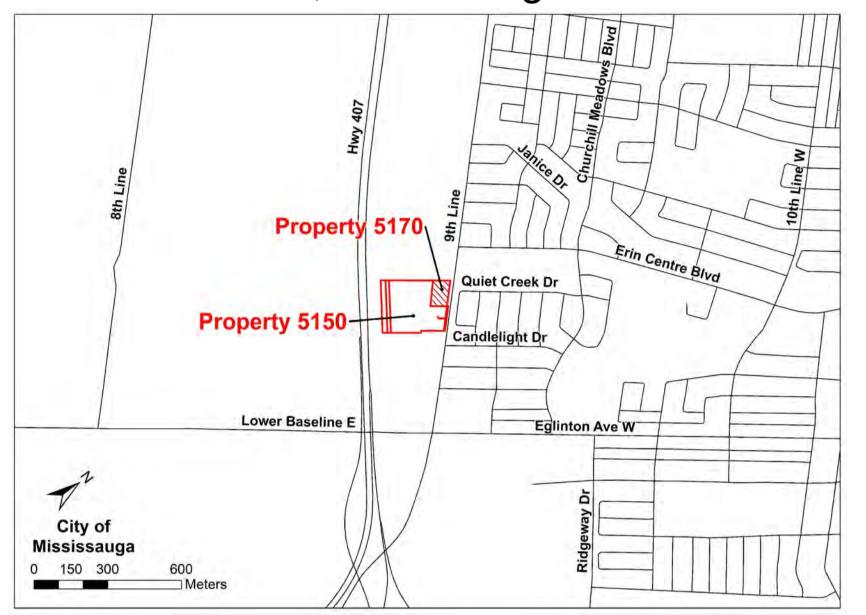
Project: TA8851-01 Figure: 2 Scale: 1:500

Prepared by: KC Verified by: MJO Date: May 13, 2020



5150 Ninth Line Tree Management Plan Mattamy (Ninth Line) Ltd.

5150 Ninth Line, Mississauga



LEGEND

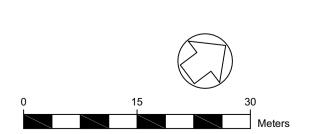
(B) Bounda (M) Municip

737 Tree Identified for Protection

Dripline and Tree Protection Zone
Dripline - Removal
Portion of Hedge Identified for Removal
Tree Protection Fence

RECOMMENDATIO

- Trees outside of the subject lands shall be protected from the impacts of grading, manoeuvring of machinery, material laydown, and other construction related activities. The following recommendations are intended to isolate trees from the impacts of construction:
- Delineation of the disturbance limits within work areas should be clearly defined on construction drawings and on site prior to construction;
- No trees shall be pruned or removed or impacted without prior approval from the City;
- It is the responsibility of the project team to become directly acquainted with the site, to carefully examine the location of the proposed
- work, and to notify the City of any discrepancies in the site conditions;
 The Site Supervisor shall be familiar with these recommendations and be cognizant of the purpose and function of Tree Protection
- Zones (TPZ);
- Trees on neighbouring non-participating properties or on the property boundary shall be left in place until such time that the ownership is confirmed or upon written authorization for removal;
- Tree protection hoarding/barrier shall be installed as detailed in Appendix B of this report and City specification, or a suitable alternative as approved by the City (i.e. Erosion and Sediment Control fence);
- Tree protection hoarding/barrier must be erect prior to commencement of work;
- Tree protection noarding/barrier must be erect prior to commencement or work
 Any area inside a TPZ must be left undisturbed (including overhead);
- Heavy machinery is not to be operated within the TPZ (including overhead swinging of machine arms);
- Construction materials or equipment are not to be stored within the TPZ or dripline of the trees;
- No signs or objects should be displayed or affixed to any retained trees;
- Disposal of any liquids shall not occur within the TPZ;
- For project planning and scheduling purposes, removal of vegetation should occur:
- o outside of the bird nesting season to comply with the Migratory Birds Convention Act (MBCA), and the Fish and Wildlife Conservation Act (FWCA). Together, these Acts protect birds, nests, and eggs of regulated species (game birds, raptors, owls, migratory song birds). The nesting season is generally considered to be late March to late August (https://www.ec.gc.ca); and,
- outside of the bat summer roosting period considered April 1-September 30 to avoid impacts to bats protected by the FWCA and the Endangered Species Act;
- Vegetation removals are <u>preferred during November to March</u> to minimize impacts on wildlife;
- This report is intended to satisfy the municipal requirements for arborist reports and tree removals only. The proponent should be aware that additional studies may be required in relation to natural heritage significance;
- Should any additional, incidental or accidental tree injuries occur during construction, a qualified professional should be consulted to determine if additional mitigation measures should be employed; and,
- Ash tree removals are subject to CFIA Regulation D-03-08, which details the phytosanitary requirements to prevent the entry into, and spread of the Emerald Ash Borer (EAB), *Agrilus planipennis Fairmaire*. The tree removal contractor shall comply with the conditions set by D-03-08 when conducting Ash tree removal.





Concept Plan vers: Sep 25, 2020

Project: TA8851-01 Figure: 3 Scale: 1:500

Prepared by: KC Verified by: MJO Date: Oct 1, 2020

6.1.1 Proposed Municipal Tree Removals

Trees 1707, 1724, 1730 and will likely require removal as a result of significant (minimum 25%) impact to the critical root zone of these trees.

6.1.2 Adjacent Lands Tree Removals

Written authorization/permission from the applicable owner must be obtained prior to removal of trees on:

- 5160 Ninth Line (White Spruce hedgerow Polygon #1708 and 1709, 1860-1870), and White Cedar (1795, 1796); and,
- 5104 Ninth Line (trees 1735, 1754, 1758, 1759, 1760, and 1846).

7.0 DISCUSSION

7.1 MUNICIPAL REGULATION

The proposed draft plan will result in the removal of trees. As the City of Mississauga regulates removal of trees greater than 15cm DBH, review and acceptance of this Tree Management Plan is be required prior to site alteration. Specific conditions on the Issuance of a Tree Permit/Permission, as stated at www.mississauga.ca, are as follows:

- a) Hoarding (a protection fence around a tree) may be required to protect trees identified for preservation during site alteration.
- b) A replacement tree may be required to be planted on the property for every healthy or non-hazard tree removed. The replacement tree shall be balled and burlapped, and have a minimum diameter of 6 cm (2.4 inches). The location on the lot, number and species of the replacement tree(s) shall be to the satisfaction of Forestry. The requirement for a replacement tree may be restricted and vary depending on the size and proposed development of the property. The owner will have to provide four (4) copies of a replanting plan and a written undertaking to ensure that the replacement planning is carried out to City standards.
- c) If replacement tree(s) are required, monies or a letter of credit in a form satisfactory to the City of Mississauga may be required to cover the costs of the replacement trees and the maintenance of the trees for a period of up to two (2) years at which time an inspection will be performed and the monies returned.
- d) For every replacement tree not provided on site, a payment shall be required to the City's replacement tree planting fund. The cost for each tree shall be the same as a street tree outlined in the City's Fees and Charges By-law.

7.2 BOUNDARY TREES

The *Forestry Act* regulates harm to trees but also provides governance of boundary or shared property trees. In these instances, removal of boundary trees must be negotiated with neighbouring owners. Acquiring written consent from the adjacent land owner is also a condition for the permit application under the Mississauga applications for site alteration. The following excerpt from the *Forestry Act* has particular relevance to this application:

Boundary trees

<u>10. (1)</u> An owner of land may, with the consent of the owner of adjoining land, plant trees on the boundary between the two lands. 1998, c. 18, Sched. I, s. 21.

Trees common property

(2) Every tree whose trunk is growing on the boundary between adjoining lands is the common property of the owners of the adjoining lands. 1998, c. 18, Sched. I, s. 21.

Offence

(3) Every person who injures or destroys a tree growing on the boundary between adjoining lands without the consent of the landowners is guilty of an offence under this Act. 1998, c. 18, Sched. I, s. 21.

A qualified land surveyor may be required to confirm property boundaries and collect boundary tree locations for trees where ownership is of concern. Survey areas should include any boundaries with non-participating owners. Trees that may be considered boundary trees include:

Municipal Trees:

- 1707;
- 1724; and,
- 1730.

5160 Ninth Line

- Polygon 1708;
- Polygon 1709;
- 1795-1796; and,
- 1860-1870.

5104 Ninth Line

- Tree 1735:
- Tree 1754;
- Tree 1758;
- Tree 1759;
- Tree 1760; and,
- Tree 1846.

7.3 TREE REPLACEMENTS

Municipal tree removals will require the following replacement ratios:

- Trees that are 0-49cm require 1 replacement tree for each removal; and,
- Trees that are greater than 49cm diameter will require 2 replacements for each removal.

Therefore, <u>municipal</u> trees identified for removal will require the following compensation:

Tree #	DBH (cm)	Compensation Required (# trees)
1707	43	1
1724	98	2
1730	55	2
	Total:	5

Private tree removals (limited to trees in good condition) will require compensation as follows:

Tree Replacement Category	Proposed Tree Removals Meeting City Criteria for Compensation	Required Tree Compensation
Trees in good condition between 15 and 49 cm DBH	95	95
Conifer hedgerow trees (same criteria as above)	108	108
Trees in good condition 50 cm DBH+	5	10
	Total:	213

8.0 MITIGATION

Mitigation measures shall be implemented to minimize impacts to trees adjacent to the construction zone. The following recommendations conform to City protection specifications and good arboricultural practices and are designed to ensure impacts to trees surrounding the work zone and those identified for preservation are avoided or minimized.

Trees outside of the subject lands shall be protected from the impacts of grading, manoeuvring of machinery, material laydown, and other construction related activities. The following recommendations are intended to isolate trees from the impacts of construction:

- Delineation of the disturbance limits within work areas should be clearly defined on construction drawings and on site prior to construction;
- No trees shall be pruned or removed or impacted without prior approval from the City;
- It is the responsibility of the project team to become directly acquainted with the site, to carefully examine the location of the proposed work, and to notify the City of any discrepancies in the site conditions;
- The Site Supervisor shall be familiar with these recommendations and be cognizant of the purpose and function of Tree Protection Zones (TPZ);

- Trees on neighbouring non-participating properties or on the property boundary shall be left in place until such time that the ownership is confirmed or upon written authorization for removal;
- Tree protection hoarding/barrier shall be installed as detailed in **Appendix B** of this report and City specification, or a suitable alternative as approved by the City (i.e. Erosion and Sediment Control fence);
- Tree protection hoarding/barrier must be erect prior to commencement of work;
- Any area inside a TPZ must be left undisturbed (including overhead);
- Heavy machinery is not to be operated within the TPZ (including overhead swinging of machine arms):
- Construction materials or equipment are not to be stored within the TPZ or dripline of the trees;
- No signs or objects should be displayed or affixed to any retained trees;
- Disposal of any liquids shall not occur within the TPZ;
- For project planning and scheduling purposes, removal of vegetation should occur:
 - outside of the bird nesting season to comply with the Migratory Birds Convention Act (MBCA), and the Fish and Wildlife Conservation Act (FWCA). Together, these Acts protect birds, nests, and eggs of regulated species (game birds, raptors, owls, migratory song birds). The nesting season is generally considered to be late March to late August (https://www.ec.gc.ca); and,
 - outside of the bat summer roosting period considered by the Ministry of Environment, Conservation, and Parks (MECP) to be April 1-September 30 to avoid impacts to bats protected by the FWCA and the *Endangered Species Act*;
- Vegetation removals are preferred during November to March to minimize impacts on wildlife;
- This report is intended to satisfy the municipal requirements for arborist reports and tree removals only. The proponent should be aware that additional studies may be required in relation to natural heritage significance;
- Should any additional, incidental or accidental tree injuries occur during construction, a qualified
 professional should be consulted to determine if additional mitigation measures should be
 employed; and,
- Ash tree removals are subject to CFIA Regulation D-03-08, which details the phytosanitary requirements to prevent the entry into, and spread of the Emerald Ash Borer (EAB), *Agrilus planipennis Fairmaire*. The tree removal contractor shall comply with the conditions set by D-03-08 when conducting Ash tree removal.

9.0 WILDLIFE CONSIDERATIONS

Tree removals may be subject to the requirements and provisions of other legislation, regulations or bylaws, such as the *Migratory Birds Convention Act* (MBCA), *Conservation Authorities Act*, *Endangered Species Act*, or the *Fisheries Act*. With respect to the MBCA, it is strongly recommended that vegetation removals be avoided during the breeding bird season (late-March to late August) and the bat roosting season (April 1 to September 30). Other approvals or due diligence with respect to tree removals are outside of the scope of this assessment. Vegetation removal are preferred to occur during November to March; a time when bats and most birds are not utilizing trees for roosting or nesting.

10.0 CONCLUSION

Mattamy (Ninth Line) Ltd. has proposed a draft plan of subdivision for 5150 Ninth Line in the City of Mississauga. LGL Limited has prepared an arborist report, tree inventory and management plan as a result of the draft plan. Trees were surveyed trees on the Subject lands and adjacent lands on September 27, 2018, and August 7, 2019. The survey confirmed that there are no tree species at risk within the Subject lands. A total of 162 trees will require removal to facilitate the proposed draft plan. As a result, and based on the City's replacement tree criteria, a total of 213 replacement trees are required for privately-owned tree removals, and 5 replacement trees are required for municipally owned tree removals. Additional mitigation includes strategically timing the removals to avoid sensitive periods of wildlife activity and isolating construction zone activities from trees outside of the subject lands. Our understanding is that landscape plan under separate cover (NAK Design) has been submitted as part of the draft plan of subdivision application.

11.0 DISCLAIMER

11.1 LIMITATIONS OF THIS ASSESSMENT

This Assessment is based on the circumstances and observations as they existed at the time of the site inspection of the Client's Property and the trees situate thereon and upon information provided by the Client to LGL Limited. The opinions in this Assessment are given based on observations made and using generally accepted professional judgment, however, because trees and plants are living organisms and subject to change, damage and disease, the results, observations, recommendations, and analysis as set out in this Assessment are valid only as at the date any such testing, observations and analysis took place and no guarantee, warranty, representation or opinion is offered or made as to the length of the validity of the results, observations, recommendations and analysis contained within this Assessment. As a result, the Client shall not rely upon this Assessment, save and except for representing the circumstances and observations, analysis and recommendations that were made as at the date of such inspections. It is recommended that the trees discussed in this Assessment should be re-assessed periodically.

11.2 RESTRICTION OF ASSESSMENT

The Assessment carried out was restricted to the Property. No assessment of any other trees or plants has been undertaken by LGL. LGL is not legally liable for any other trees or plants on the Property except those expressly discussed herein. The conclusions of this Assessment do not apply to any areas, trees, plants or any other property not covered or referenced in this Assessment.

11.3 PROFESSIONAL RESPONSIBILITY

In carrying out this Assessment, LGL Limited and any Assessor appointed for and on behalf of LGL Limited to perform and carry out the Assessment has exercised a reasonable standard of care, skill and diligence as would be customarily and normally provided in carrying out this Assessment. The Assessment has been made using accepted arboricultural techniques. These include a visual examination of each tree for structural defects, scars, external indications of decay such as fungal fruiting bodies, evidence of insect attack, discolored foliage, the condition of any visible root structures, the degree and direction of lean (if any), the general condition of the tree(s) and the surrounding site, and the current or planned proximity of property and people. Except where specifically noted in the Assessment, none of the trees examined on the property were dissected, cored, probed, or climbed and detailed root crown examinations involving excavation were not undertaken.

While reasonable efforts have been made to ensure that the trees recommended for retention are healthy, no guarantees are offered, or implied, that these trees, or all parts of them will remain standing. It is professionally impossible to predict with absolute certainty the behaviour of any single tree or group of trees, or all their component parts, in all given circumstances. Inevitably, a standing tree will always pose some risk. Most trees have the potential to fall, lean, or otherwise pose a danger to property and persons in the event of adverse weather conditions, and this risk can only be eliminated if the tree is removed.

Without limiting the foregoing, no liability is assumed by LGL or its directors, officers, employers, contractors, agents or Assessors for:

- a) any legal description provided with respect to the Property;
- b) issues of title and or ownership respect to the Property;
- c) the accuracy of the Property line locations or boundaries with respect to the Property;
- d) the accuracy of any other information provided to LGL by the Client or third parties;
- e) any consequential loss, injury or damages suffered by the Client or any third parties, including but not limited to replacement costs, loss of use, earnings and business interruption; and,
- f) the unauthorized distribution of the Assessment.

11.4 GENERAL

Any plans and/or illustrations in this Assessment are included only to help the Client visualize the issues in this Assessment and shall not be relied upon for any other purpose.

Appendix A Tree Inventory

 Appendix A Table 1 Tree Inventory

 Project:
 Mattamy 9th Line 5150/5170

 Client:
 Mattamy

 Collectors:
 MJO, VLG, LC

Date: Sept 27 2018, August 7, 2019
Area: 9th Line, Mississauga



Collectors:	MJO, VLG, LC		Alea.	9th Line, Mississau						C	ONDITION	1						1.0	ocation					Management		
TAG#	Scientific Name	Common Name	DBH (cm)	Additional Stems	Estimation of DBH (x)	E S S	CV Radial Dripline (m)	opy Die Bacl	Co-dominant stem	Included Bark Lean, Dir.	Fungus		Wound Frost Crack	EAB	Suppressed	PFW	Boundary Tree	5150 Ninth Line (Subject Lands)	5104 Ninth Line	Municipal Ownership GPS corrected	Meets City Compensation Criteria	Protect	Impacted	Rationale	TPZ, if applicable	COMMENTS COMMENTS
1,707	Pinus sylvestris	Scots Pine	43.0			g g	g 4				++						×			х	x	x		conflict with draft plan (street/lot layout)		acquire permit from City for removal
-							_	_		-+-+	+		-+		-	+ +	+ + + +			^	-	`			2	
1,708	Picea glauca		23, 22, 19, 23, 16, 16, 24, 19, 20, 15, 21, 16, 23, 31, 30, 24, 19, 15, 18, 19, 17, 22, 15, 17, 23, 14, 18, 20, 17, 21, 19, 21, 27, 19, 14, 16, 20, 22, 18, 21, 17, 10			g g											×	×			x	x		conflict with draft plan (street/lot layout)	3	remove portion of hedgerow within subject lands. Acquire written authorization for removal of boundary trees.
1,709	Thuja occidentalis	Eastern White Cedar polygon	22, 20, 20, 24, 25, 15, 16, 28, 20, 19, 14, 14, 14, 13, 12, 10, 14, 14, 12, 14, 13, 10, 14, 12, 13			g g :	g 2										x	×			х	х		preserve in landscape buffer	2	
1,710	Picea glauca	White Spruce polygon	22, 22, 20, 20, 24, 25, 15, 16, 28, 20, 19			g g	g 3														x :	×		conflict with draft plan (street/lot layout)		
1,711	Thuja occidentalis	Eastern White Cedar	15.0	13.0		g g	g 2														x	x		conflict with draft plan (street/lot layout)		
1,712	Picea glauca	White Spruce	32.0		+		g 3			\dashv	+	+		+	+		+		++	_	х	x		conflict with draft plan (street/lot layout)		
1,713	Picea abies	Norway Spruce	34.0		+		g 4	_				+++				† †	1 1		+		x	x		conflict with draft plan (street/lot layout)		
1,714	Picea abies	Norway Spruce	32.0		+		g 4	_		++	++	++	++	++	+	++	+		++	1	x	x		conflict with draft plan (street/lot layout)		
1,715	Tilia cordata	Little Leaf Linden	35.0		+		f 6			++	+	\dashv	 ,	x			++			х		х		preserve in landscape buffer	6	
1,716	Quercus macrocarpa	Bur Oak	123.0			_	g 10		1	++	++						+ +		+ +		x	×		conflict with draft plan (street/lot layout)		
1,717	Picea glauca	White Spruce polygon	15, 15, 16, 19, 18, 20, 26, 19, 27, 17,		++		g 5	_		++		+			+	++	+	+			x :	x		conflict with draft plan (street/lot layout)		
4 =	B:	140 % 51	15		$\perp \perp$					\rightarrow	\perp	$\downarrow\downarrow$	\perp				+ +		\bot			\perp		g:		
1,718	Pinus strobus	White Pine	31.0		$\perp \perp$		g 4	_		\perp	$\perp \downarrow \perp$	_ _	$\perp \downarrow \perp$	\bot			$\perp \perp \downarrow$		$\perp \perp$		x	х		conflict with draft plan (street/lot layout)		
1,719	Acer saccharinum	Silver Maple	39.0				g 7		х	х							44				Х :	x		conflict with draft plan (street/lot layout)		
1,720	Tilia cordata	Little Leaf Linden	32.0				g 4														X	x		conflict with draft plan (street/lot layout)		
1,721	Acer saccharinum	Silver Maple	77.0				g 10														х	х		conflict with draft plan (street/lot layout)		
1,722	Quercus macrocarpa	Bur Oak	24.0	9.0			g 3		х	х											х :	x		conflict with draft plan (street/lot layout)		
1,723	Quercus macrocarpa	Bur Oak	37.0			g g	g 9														х :	x		conflict with draft plan (street/lot layout)		
1,724	Quercus macrocarpa	Bur Oak	98.0			f f	g 9					×	x							х	:	x		conflict with draft plan (street/lot layout)		painted orange dot, pruned dead leader, callused wound at base
1,725	Quercus macrocarpa	Bur Oak	25.0	23.0		g g	g 6														х	х		conflict with draft plan (street/lot layout)		
1,726	Quercus macrocarpa	Bur Oak	45.0				g 6					1		+++		1 1	1 1		+ +		x	x		conflict with draft plan (street/lot layout)		
1,727	Quercus macrocarpa	Bur Oak	23.0	16.0			p 2	_	x	х				x								x		conflict with draft plan (street/lot layout)		
1,728	Quercus macrocarpa	Bur Oak	27.0				g 7								x	1 1	+ +				x	x		conflict with draft plan (street/lot layout)		
1,729	Quercus macrocarpa	Bur Oak	47.0				g 7		×	х	++			++			+ +		+ +		x	x		conflict with draft plan (street/lot layout)		
1,730	Quercus macrocarpa	Bur Oak	55.0	49.0			g 7			-	+++			,	×	+ +	+++			×	x	×		conflict with draft plan (street/lot layout)		painted orange dot, acquire permit from City for removal
1,731	Morus alba	White Mulberry	18.0	17.0			f 3			s	+	-		++-	`	+ +	+		+	^	x	Х		conflict with draft plan (street/lot layout)		painted stange day, dequire permit from only for removal
1,732	Quercus macrocarpa	Bur Oak	25.0				f 3	_	×	×	+++			×		+ +	+++					×		conflict with draft plan (street/lot layout)		
1,733	Quercus macrocarpa	Bur Oak	30.0			a a	f 4	_	_ ^		+++		++;	<u> </u>	х	+ +	+++				x	·		conflict with draft plan (street/lot layout)		
1,734	Quercus rubra	Red Oak	65.0		1		g 8			++			++	`	^		+ +		+ +		x	· -		conflict with draft plan (street/lot layout)		+
1,735	Acer negundo	Manitoba Maple	37.0	17,17,31,18			g 7									++	х		х		^	x		conflict with draft plan (street/lot layout)		acquire written permission from owner and City prior to removal
1,736	Juglans nigra	Black Walnut	39.0		1	g g	g 5						-				++				х :	v		conflict with draft plan (street/lot layout)		
1,737	Juglans nigra	Black Walnut	40.0				g 5	_		++	+	\dashv	++	+++	+	++	++		++	+	x	x		conflict with draft plan (street/lot layout)		
1,738	Quercus macrocarpa	Bur Oak	29.0		++		f 3	_	 	+	++	\dashv	++	++	+	++	++	-	++	+	x	<u>, </u>		conflict with draft plan (street/lot layout)		+
1,739	Pinus strobus	White Pine	25.0		+		g 4			+	++	\dashv	++	++	+	++	++		++		x	<u>, </u>		conflict with draft plan (street/lot layout)		+
1,740	Juniperus virginiana	Eastern Red Cedar	15.0				g 2	_	\vdash	+	++	\dashv	+	++	+	++	++		+		x	·		conflict with draft plan (street/lot layout)	+	+
1,741	Pinus strobus	White Pine	15.0		+		g 2	_	\vdash	+	++	\dashv	+	++	+	++	++		+		x	·		conflict with draft plan (street/lot layout)	+	+
1,741	Morus alba	White Mulberry	45.0		++	g g i	_	_	x	x	++		+	++	+	++	++		++	-		·		conflict with draft plan (street/lot layout)		
1,742	Quercus macrocarpa	Bur Oak	34.0		++		g 4		_ ^	^	++	 ^ 	+	++	<u> </u>	++	++		++	-	x	· ·		conflict with draft plan (street/lot layout)		
1,744	Morus alba	White Mulberry	31.0	17,19	++		g 6	_	x	x	++	\dashv	++	++	×		++		+	+		x		conflict with draft plan (street/lot layout)		
1,745	Morus alba	White Mulberry	35.0	1,,13	+		g 4	_	<u> </u>		++	\dashv	++	++	+	++	++		++			<u>,</u>		conflict with draft plan (street/lot layout)		split at 2 metres
1,746	Morus alba	White Mulberry	22.0	12.0			g 3	_		++	++	\dashv			+		++		+++		x	· ·		conflict with draft plan (street/lot layout)		
1,747	Morus alba	White Mulberry	15.0	13.0	++		g 3			++	++	+	+	++	×	++	++		++	-	x	·		conflict with draft plan (street/lot layout)		
1,747	Morus alba	White Mulberry	17.0	15.0	+		g 3	_	 	+	++	\dashv	+	++	+^	++	++		++	-	x	··		conflict with draft plan (street/lot layout)	-	
1,749	Morus alba	White Mulberry	26.0	18,19	++		f 3			+	++	+	+	++	+	++	++		++			·		conflict with draft plan (street/lot layout)		
1,750	Juniperus virginiana	Eastern Red Cedar	31.0	10,13	++		g 3		\vdash	+	++	+	++	++	+	++	++		++		x	·		conflict with draft plan (street/lot layout)	-	
1,751	Juniperus virginiana	Eastern Red Cedar	19.0		+		g 4	_		+	++	\dashv	++	++	+	++	++		++		x	<u>, </u>		conflict with draft plan (street/lot layout)		+
1,751	Juniperus virginiana	Eastern Red Cedar	20.0		-		g 4			++	++	+	+	++	+	++	++		++	-	x :	·		conflict with draft plan (street/lot layout)		
1,753		Eastern White Cedar	17.0		++		f 3			++	++	+	+	++	+	++	++		++	-		·				
1,754	Thuja occidentalis Acer saccharinum	Silver Maple	26.0	19.0	++		r 3		 	++		\dashv		+	-	++	х		х		x :	^ x		conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)		acquire written permission from owner and City prior to removal
					\sqcup							\perp			\perp	$\bot \bot$	$\perp \downarrow$									
1,755 1,756	Picea glauca Picea glauca	White Spruce White Spruce	16.0 21.0		++	g g	g 3 g 3	_	1	+	++	+	+	++	-	++	++	+	++		x :	^ x		conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)	+	
1,757	Picea glauca	White Spruce	17.0		+		g 3				++	\dashv	-++	+	+	++	++		+		x	x		conflict with draft plan (street/lot layout)		
1,758	Picea glauca	White Spruce	24.0				g 3	_		++	++	\dashv	++		+		++		+ +		x	×		conflict with draft plan (street/lot layout)		
1,730	cca gradea	TTITLE Sprace	20		11	0 6	, ,		1	<u> </u>					I	1							<u> </u>	- Similar aran plan (Street/locidyodt)		

LGL Limited environmental research associates Page 1 of 3

										CONDITION	ON					ı		Location		1	1		Management
				8	<u>×</u>		_	<u>@</u>		CONDITI							#	Location	۰	<u>.a</u>			management
TAG#	Scientific Name	Common Name	DBH (cm)	dditional S	Estimation of DBH	SS N	Radial Dripline (m	Canopy Die Back (%	Included Bark	Fungus	Cavity	Mound	Frost Crack Epicormic	EAB	Suppressed	Hazard	Boundary Tree 150 Ninth Line (Subjec Lands)	5160 Ninth Line 5104 Ninth Line	Aunicipal Ownershii GPS corrected	Meets City ompensation Criter	Remove	Impacted	Rationale ESA/SARA COMMENTS
1,759	Acer saccharinum	Silver Maple	21.0		g	g f	3	15			++	++					X In	х		х	х		conflict with draft plan (street/lot layout) acquire written permission from owner and City prior to removal
1,760	Acer saccharinum	Silver Maple	27.0		g	g g	3										х	х		х	х		conflict with draft plan (street/lot layout) acquire written permission from owner and City prior to removal
1,761	Picea glauca	White Spruce	22.0		g	g g	3					+								x	x		conflict with draft plan (street/lot layout)
1,762	Picea glauca	White Spruce	31.0		g	g g	3			1 1										х	х		conflict with draft plan (street/lot layout)
1,763	Picea glauca	White Spruce	27.0		g	g g	3													х	х		conflict with draft plan (street/lot layout)
1,764	Picea glauca	White Spruce	15.0		g	g g	3													х	х		conflict with draft plan (street/lot layout)
1,765	Acer saccharinum	Silver Maple	33.0		g d	g g d d	6		+				++			+				х	X		conflict with draft plan (street/lot layout)
1,766 1,767	Fraxinus pennsylvanica Fraxinus pennsylvanica	Red Ash Red Ash	21.0 28.0		d					+++											x		conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)
1,768	Picea glauca	White Spruce	24.0		g	g g	4			++		+				+				х	x		conflict with draft plan (street/lot layout)
1,769	Picea glauca	White Spruce	16.0		g	g g	4			++										х	х		conflict with draft plan (street/lot layout)
1,770	Picea glauca	White Spruce	20.0		g	g g	4													х	х		conflict with draft plan (street/lot layout)
1,771	Picea glauca	White Spruce	26.0		g	g g	4													х	х		conflict with draft plan (street/lot layout)
1,772	Fraxinus pennsylvanica	Red Ash	25.0		d	d d	_		++		++	++	\dashv	+		+				1	x		conflict with draft plan (street/lot layout)
1,773 1,774	Thuja occidentalis	Eastern White Cedar Red Ash	18.0 27.0		g	g g d d	2	_	++	++	++	++	+	-		+				х	X		conflict with draft plan (street/lot layout)
1,774	Fraxinus pennsylvanica Fraxinus pennsylvanica	Red Ash	27.0		d	d d	+		++	++-	++	++	+	+	\vdash	++	-			 	x		conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)
1,776	Fraxinus pennsylvanica	Red Ash	23.0		d	d d		+	++	++	++	++	+	+		+				+	x		conflict with draft plan (street/lot layout)
1,777	Thuja occidentalis	Eastern White Cedar	20, 11, 15, 13, 17, 18, 12, 15, 15, 15		g	g g	2													х	х		conflict with draft plan (street/lot layout)
		polygon								\perp													
1,778	Acer saccharinum	Silver Maple	27.0 41.0		g		+			+				_		+				X	X		conflict with draft plan (street/lot layout)
1,779 1,780	Acer saccharinum Acer saccharinum	Silver Maple Silver Maple	32.0		g	g g g g	+			+++				-		+				x	×		conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)
1,781	Acer saccharinum	Silver Maple	23.0	17.0	р	g g	+			++	x	(x				+					x		conflict with draft plan (street/lot layout)
1,782	Picea glauca	White Spruce	15.0		g	g g	++													х	х		conflict with draft plan (street/lot layout)
1,783	Picea glauca	White Spruce	16.0		р	g g	3			1 1		х									х		conflict with draft plan (street/lot layout) split
1,784	Acer saccharinum	Silver Maple	23.0		g	g g	4													х	х		conflict with draft plan (street/lot layout)
1,785	#N/A	White Spruce polygon	22, 16, 16, 18, 18, 22, 18		g	g g	++													х	х		conflict with draft plan (street/lot layout)
1,786	Acer saccharinum	Silver Maple	34.0 34.0		g	g g	6 7			+				_		+				X	x		conflict with draft plan (street/lot layout)
1,787 1,788	Acer saccharinum Acer saccharinum	Silver Maple Silver Maple	32.0		g p	g g g g	+			++	++	x	+			+				х	×		conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)
1,789	Acer saccharinum	Silver Maple	21.0		g	g g	6			++-		+^+		_						х	x		conflict with draft plan (street/lot layout)
1,790	Salix sp.	Willow	61.0	39,33,23,42,5 5,50	f	f g	9														х		conflict with draft plan (street/lot layout) sprawling
1,791	Acer saccharinum	Silver Maple	25.0		g	g g	+		•						х					х	х		conflict with draft plan (street/lot layout)
1,792	Acer saccharinum	Silver Maple	25.0		g	g g	4			++	+	+	+			+				X	X		conflict with draft plan (street/lot layout)
1,793 1,794	Acer saccharinum Thuja occidentalis	Silver Maple Eastern White Cedar	49.0 16.0		g	g g g g	_			+++				-		+				x	×		conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)
1,795	Thuja occidentalis	Eastern White Cedar	15.0		g	g g											х	х		х	x		conflict with draft plan (street/lot layout) acquire written permission from owner and City prior to removal
1,796	Thuja occidentalis	Eastern White Cedar	16.0		g	g g	2										х			х	х		conflict with draft plan (street/lot layout) acquire written permission from owner and City prior to removal
1,797	Acer saccharinum	Silver Maple	61.0	44.0	g	g g														х	х		conflict with draft plan (street/lot layout)
1,798	Juniperus virginiana	Eastern Red Cedar	33.0	25.0			_	10	\perp		$\bot \bot$	$\bot \bot$	$\perp \downarrow \downarrow$	\perp		$\perp \perp$				x	х		conflict with draft plan (street/lot layout)
1,799	Juniperus virginiana	Eastern Red Cedar	30.0	25.0	g	g g		25	++	++	++	++	\dashv	+		+				X	X		conflict with draft plan (street/lot layout)
1,800 1,801	Juniperus virginiana Thuja occidentalis	Eastern Red Cedar Eastern White Cedar	29.0 17.0		g f	f g	_	25 x	X 6	++	++	х	+			++				х	x	-	conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)
1,802	Salix matsudana	Corkscrew Willow	66.0	27,21	f	f g		×		++	++	×	++	+		++				+	x		conflict with draft plan (street/lot layout) burl
1,803	Salix sp.	Willow	43.0	38.0	g	f g		- 	++	++	++	+	\dashv	+		+				х	х		conflict with draft plan (street/lot layout) broken leader
1,804	Salix sp.	Willow	106.0		g	_	_			х		х								х	х		conflict with draft plan (street/lot layout)
1,805	Juniperus virginiana	Eastern Red Cedar	18.0		g	f g									х					х	х		conflict with draft plan (street/lot layout)
1,806	Juniperus virginiana	Eastern Red Cedar	21.0	17.0	g	g g	_		$\perp \perp$	\bot	$\bot \Box$	$\bot \top$	\bot			$\perp \Box$				х	х		conflict with draft plan (street/lot layout)
1,807	Juniperus virginiana	Eastern Red Cedar	24.0	20,19,18	f	f f		25	+	++		+	+			+					x		conflict with draft plan (street/lot layout)
1,808 1,809	Fraxinus pennsylvanica Quercus macrocarpa	Red Ash Bur Oak	18.0 45.0	29,21	T or	g g g g	+			++	+	++	\dashv			+				x	x		conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)
1,810	Quercus macrocarpa	Bur Oak	45.0	23,21	f	g g	_	+	 ^ 		++	++	+			++				 ^	x		conflict with draft plan (street/lot layout) girdling wire
1,811	Quercus macrocarpa	Bur Oak	10.0		g				++	+ +	++	+	+			+ +			x	†	^ x		preserve in landscape buffer 2
1,812	Picea glauca	White Spruce	12.0		g	g g	3														х		conflict with draft plan (street/lot layout)
1,813 1,814	Picea glauca Picea glauca	White Spruce White Spruce	15.0 15.0			g g g g			++	++	+	++	\dashv			+				x x	x x		conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)
1,815	Picea glauca	White Spruce	13.0		g				$\pm \pm$		$\pm \pm$	$\pm \pm$	\pm			$\pm \pm$				^	X		conflict with draft plan (street/lot layout)
1,816	Picea glauca	White Spruce	16.0			g g							\Box							х	х		conflict with draft plan (street/lot layout)
1,817 1,818	Picea glauca Picea glauca	White Spruce White Spruce	13.0 12.0			g g g g		-	++	+ +	++	++	++	+		+				+	x		conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)
1,819	Picea glauca	White Spruce	16.0		g		_														x		conflict with draft plan (street/lot layout)
1,820	Picea glauca	White Spruce	18.0		g	g g	3													Х	х		conflict with draft plan (street/lot layout)

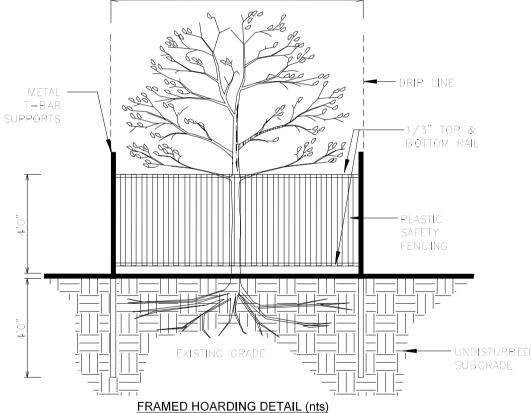
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							CONDITION Location														Management							
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TAG#	Scientific Name	Common Name	(cm)	na la	9	_ «	>	plin Ba	8 8	gus	ity	뉡	E E	و رما	SSe	ard ≤	7	ds)	뒱	Owr	l a l i i i	ect o	ctec	D. C	A A	COMMENTS		
			(CIII)	뜵	엹	F S	ે	Drip	월	E a	Insects	Rot	ost Cra	EAB	<u> </u>	PFW	nda	Ninth Line Lands)	ž		PS correcte Meets City ensation Cr	Rem	пра	Rationale	¥			
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1,821	Picea glauca	White Spruce	18.0			g g	g	3									+				х	х		conflict with draft plan (street/lot layout)				
1,822	Picea glauca	White Spruce	16.0		+-+		g	3						+	-		+		-		х	х	-	conflict with draft plan (street/lot layout)	-			
1,823	Picea glauca	White Spruce	26.0				g	3									+				х	х		conflict with draft plan (street/lot layout)				
1,824	Picea glauca	White Spruce	18.0		-		g	3						+	-		+		-		х	х	-	conflict with draft plan (street/lot layout)	-			
1,825	Picea glauca	White Spruce	28.0 14.0		-		g	3	_				+		_		+				х	X	-	conflict with draft plan (street/lot layout)				
1,826 1,827	Picea glauca	White Spruce White Spruce	13.0		+		g	3					+	+			+					X	-	conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)	+			
1,828	Picea glauca Picea glauca	White Spruce	12.0		+ +		g	3	++			-	1 1	+	-	-	+		-			X			+			
1,829	Picea glauca	White Spruce	12.0	+		0 0	g	3					1 1				+ +				 	x		conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)	+			
1,830	Picea glauca	White Spruce	12.0		-	0 0	g	3					+ +	+++	-		+				 	x		conflict with draft plan (street/lot layout)	-			
1,831	Picea glauca	White Spruce	13.0	+	+	в в	g	3	+	+	-		++	++			++		+		 	x	\vdash	conflict with draft plan (street/lot layout)	+			
1,832	Picea glauca	White Spruce	16.0	+	+ +	g g	g	3	\dashv	\dashv		-	1 -	+	+		++		+		×	X	++	conflict with draft plan (street/lot layout)	+			
1,833	Picea glauca	White Spruce	17.0		1 1	5 5 g g		3						+ +			+		+		Ŷ	×	+	conflict with draft plan (street/lot layout)	+			
1,834	Picea glauca	White Spruce	10.0		+	8 8	g	3	++	\dashv			1 1	+ +			+		+		 	x	+	conflict with draft plan (street/lot layout)				
1,835	Picea glauca	White Spruce	14.0			0 0	g	3									1 1					X		conflict with draft plan (street/lot layout)				
1,836	Juniperus virginiana	Eastern Red Cedar	10.0				р	1 80	\pm								+					x		conflict with draft plan (street/lot layout)	+ 1			
1,837	Juniperus virginiana	Eastern Red Cedar	10.0		1		р	1 80		1 1			 				+					x		conflict with draft plan (street/lot layout)	1 1			
1,838	Juniperus virginiana	Eastern Red Cedar	10.0		1		р	1 80		1 1			 				+					x		conflict with draft plan (street/lot layout)	1 1			
1,839	Juniperus virginiana	Eastern Red Cedar	11.0			g f	р	1 80														х		conflict with draft plan (street/lot layout)				
1,840	Juniperus virginiana	Eastern Red Cedar	11.0			g f	р	1 80														x		conflict with draft plan (street/lot layout)				
1,841	Juniperus virginiana	Eastern Red Cedar	10.0				р	1 80														х		conflict with draft plan (street/lot layout)				
1,842	Juniperus virginiana	Eastern Red Cedar	12.0			g f	р	1 80														х		conflict with draft plan (street/lot layout)				
1,843	Fraxinus pennsylvanica	Red Ash	10.0			d d	d	2													İ	х		conflict with draft plan (street/lot layout)				
1,844	Morus alba	White Mulberry	11.0			g g	g	3														х		conflict with draft plan (street/lot layout)				
1,845	Morus alba	White Mulberry	14.0	12.0		g g	g	3														х		conflict with draft plan (street/lot layout)				
1,846	Acer saccharinum	Silver Maple	14.0			g g	g	3									х		х			х		conflict with draft plan (street/lot layout)		obtain permission from owner and City prior to removal		
1,847	Fraxinus pennsylvanica	Red Ash	11.0	10,10		d d	d	2														х		conflict with draft plan (street/lot layout)				
1,848	Fraxinus pennsylvanica	Red Ash	18.0			d d	d	2														х		conflict with draft plan (street/lot layout)				
1,849	Fraxinus pennsylvanica	Red Ash	12.0			р р	р	2 90														х		conflict with draft plan (street/lot layout)				
1,850	Picea glauca	White Spruce	13.0			g g	g	3														х		conflict with draft plan (street/lot layout)				
1,851	Picea glauca	White Spruce	17.0		+-+		g	3													х	х		conflict with draft plan (street/lot layout)				
1,852	Picea glauca	White Spruce	15.0					3					<u> </u>				1				х	х		conflict with draft plan (street/lot layout)				
1,853	Picea glauca	White Spruce	24.0			0 0		3									1				х	х		conflict with draft plan (street/lot layout)				
1,854	Picea glauca	White Spruce	14.0	-	+		g	3		+			+	++	\perp	$\vdash \vdash$	++		\perp		\vdash	Х	$\sqcup \!$	conflict with draft plan (street/lot layout)	+			
1,855	Picea glauca	White Spruce	19.0	+	+	0 0	g	3		++	-		+	++	-	$\vdash \vdash$	++		+		х	х	\vdash	conflict with draft plan (street/lot layout)	+			
1,856	Picea glauca	White Spruce	13.0		+		g	3		+			+	++		$\vdash \vdash$	+					х	1	conflict with draft plan (street/lot layout)	+			
1,857	Picea glauca	White Spruce	23.0	+	+		g	3	+	+			1 -	+	+	-	++		+		X	X	\vdash	conflict with draft plan (street/lot layout)	+			
1,858	Picea glauca	White Spruce	18.0	+			g	3		-			+	+	+	 	++		+		X	X	++	conflict with draft plan (street/lot layout)	+			
1,859 1,860	Picea glauca	White Spruce	17.0 17.0	+	1 1	g g	g	3		-			+	+	+	 	++		. -		X	X	++	conflict with draft plan (street/lot layout)	+	abtain normission from aureau and City prior to your!		
1,860	Picea glauca Picea glauca	White Spruce White Spruce	17.0		+	0 0	g	3	++	++			+-+	++	+	\vdash	X	×			X		₩	conflict with draft plan (street/lot layout)	+	obtain permission from owner and City prior to removal		
1,862	Picea glauca Picea glauca	White Spruce	21.0	+	+		g	3	++	++	-	-	+	++	+	\vdash	X	-+	+		X	X	\vdash	conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)	+	obtain permission from owner and City prior to removal obtain permission from owner and City prior to removal		
1,863	Picea glauca Picea glauca	White Spruce	13.0	-	+		g	3	++	+	-		+ +	+	+	 	x		+		* *	X	++	conflict with draft plan (street/lot layout) conflict with draft plan (street/lot layout)	+	obtain permission from owner and City prior to removal		
1,864	Picea glauca	White Spruce	12.0	+	+-+	0 0	g	3		++		H	+ +	+++		 	X X				 	X	++	conflict with draft plan (street/lot layout)	+	obtain permission from owner and City prior to removal		
1,865	Picea glauca	White Spruce	21.0	+		8 8	g	3	+	+	-		++	++			X X				x	X	\vdash	conflict with draft plan (street/lot layout)	+	obtain permission from owner and City prior to removal		
1,866	Picea glauca	White Spruce	16.0	+	+ +	0 0	g	3	\dashv	\dashv		-	1 -	+	+		X		:		×	×	++	conflict with draft plan (street/lot layout)	+	obtain permission from owner and City prior to removal		
1,867	Picea glauca	White Spruce	19.0	+	+ +	0 0	g	3	\dashv	\dashv		-	1 -	+	+		ı,	^	+		X	Y Y	++	conflict with draft plan (street/lot layout)	+	obtain permission from owner and City prior to removal		
1,868	Picea glauca	White Spruce	25.0	+	+ +		g	3	+	+		-	1 1	+	+		x	-+	+		X	x	++	conflict with draft plan (street/lot layout)	+	obtain permission from owner and City prior to removal		
1,869	Picea glauca	White Spruce	16.0	+	+ +	0 0	g	3	\dashv	\dashv		-	1 -	+	+		x	×			×	×	++	conflict with draft plan (street/lot layout)		obtain permission from owner and City prior to removal		
1,870	Picea glauca	White Spruce	23.0		+-+	g g		3					1 1	+ +			×				×	X	+	conflict with draft plan (street/lot layout)		obtain permission from owner and City prior to removal		
1,871	Salix sp.	Willow	15.0			0 0		3	++	\dashv			1 1	+ +			Ħ	^_	+		l	x	+	conflict with draft plan (street/lot layout)		growing from felled stump		
1,872	Ulmus americana	White Elm	12.0	11.0	1 1		g	3		\dashv			t	+ +			+		+ +		1 1	x	+	conflict with draft plan (street/lot layout)		growing through fence		
						1 8				- 1				1 1		Totals:	21	1		5	108			· · · · · · · · · · · · · · · · · · ·				

Legend		Condition	
DBH (cm)	Diameter at breast height	G	Good
TI	Trunk Integrity	F	Fair
CS	Crown Structure	P	Poor
CV	Crown Vigour	D	Dead
DL (m)	Drip Line	L	Light
CDB	Crown Dieback	M	Moderate
EAB	Emerald Ash Borer	H	Heavy
ESA/SARA	Species at Risk	E	East
TPZ	Tree Protection Zone	W	West
Lean Dir.	Lean Direction	N	North
		S	South
		F	Frost
		C	Compression
		T	Tension
		S	Shear Plane

LGL Limited environmental research associates

Appendix B Tree Protection Hoarding



NOTES:

- 1. HOARDING DETAILS TO BE DETERMINED FOLLOWING INITIAL SITE INSPECTION.
- 2. HOARDING TO BE APPROVED BY DEVELOPMENT AND DESIGN.
- 3. HOARDING MUST BE SUPPLIED, INSTALLED AND MAINTAINED BY THE APPLICANT. THROUGHOUT ALL PHASES OF CONSTRUCTION, UNTIL APPROVAL TO REMOVE HOARDING IS OBTAINED FROM DEVELOPMENT AND DESIGN.
- 4. DO NOT ALLOW WATER TO COLLECT AND POND BEHIND OR WITHIN HOARDING.
- * T-BAR SUPPORTS FOR SOLID HOARDING WILL ONLY BE ALLOWED WITH PRE APPROVAL FROM DEVELOPMENT AND DESIGN.



SCALE: N.T.S. DATE: JAN, 2008