

**Tree Inventory and Preservation Plan Report
27 Grosvenor Street and 26 Grenville Street
Toronto, Ontario**

prepared for

**Terraplan Landscape Architects
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prepared by



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KUNTZ FORESTRY CONSULTING Inc. Project P1933

Introduction

Kuntz Forestry Consulting Inc. was retained by Terraplan Landscape Architects, to complete a Tree Inventory and Preservation Plan in support of a development application for properties located at 27 Grosvenor Street and 26 Grenville Street in Toronto, Ontario. The subject properties are located on the southeast corner of Grosvenor Street and St. Vincent Lane within a mix-used area.

The work plan for this tree preservation study included the following:

- Prepare inventory of the tree resources greater than 15cm on the private properties and trees of all sizes on the road right-of-way within six metres of the subject properties;
- Evaluate potential tree saving opportunities based on proposed development plans; and,
- Document the findings in a Tree Inventory and Preservation Plan Report.

Tree resources were assessed utilizing the following parameters:

Tree # - number assigned to tree that corresponds to Figure 1.

Species - common and botanical names provided in the inventory table.

DBH - diameter (centimeters) at breast height, measured at 1.4 m above the ground.

Condition - condition of tree considering trunk integrity, crown structure and crown vigor. Condition ratings include poor (P), fair (F) and good (G).

Comments - additional relevant detail.

The results of the evaluation are provided below.

City of Toronto Private Tree By-Law

Tree resources located on the subject property and on neighboring property are regulated by the City of Toronto Tree Protection By-law (Chapter 813, Article 3 of the Municipal Code). The Private Tree-By-law regulates tree injury and destruction of individual trees. Preliminary information is acquired on individual trees which are then categorized in compliance with the by-law in support of development applications (refer to Table 1). Tree categories range from one through five and are as follows:

Categories

- 1. Trees with diameters of 30 cm or more, situated on private property on the subject site.*
- 2. Trees with diameters of 30 cm or more, situated on private property, within 6 m of the subject site.*
- 3. Trees of all diameters situated on City owned parkland within 6 m of the subject site.*
- 4. On lands designated under City of Toronto Municipal Code, Chapter 658, Ravine and Natural Features Protection, trees of all diameters situated within 10 meters of any construction activity.*
- 5. Trees of all diameters situated within the City road allowance adjacent to the subject site.*

(City of Toronto, 2008)

Methodology

Trees greater than 15cm on private properties and trees of all sizes on road right-of-way within six metres of the subject property were included in the tree inventory. Trees were located using a topographic survey provided for the property. Trees included in the inventory were numbered 1-6. Tree locations are shown on Figure 1. See Table 1 for the results of the inventory.

Existing Site Conditions

27 Grosvenor Street is currently occupied by a three-storey parking lot and 26 Grenville Street is occupied by an office building. Tree resources exist in the form of landscape trees. Refer to Figure 1 for the existing site conditions.

Individual Tree Resources

The tree inventory was conducted on 24 August 2018. The inventory documented 6 trees on and within six metres of the subject property. Refer to Table 1 for the full tree inventory and Figure 1 for the location of trees reported in the tree inventory.

Tree resources were comprised of Freeman Maple (*Acer freemanii*) and Shademaster Honey Locust (*Gleditsia triacanthos 'inermis'*).

Proposed Development

The proposed development includes the demolition of the existing buildings and the construction of two residential towers. Refer to Figure 1 for the proposed site plan.

Discussion

The following sections provide a discussion and analysis of tree impacts and tree preservation relative to the proposed development and existing conditions.

Development Impacts/Tree Removal

The removal of trees is not required to accommodate the proposed development.

Tree Preservation

Preservation of all trees will be possible with the use of appropriate tree protection measures as indicated on Figure 1. Tree protection fence should be installed along the existing concrete sidewalk on the north side of the trees. Refer to Figure 1 for the location of required tree preservation fencing, general Tree Protection Plan Notes, and tree preservation fence detail.

Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by Terraplan Landscape Architects to complete a Tree Inventory and Preservation Plan in support of a development application for the properties at 27 Grosvenor Street and 26 Grenville Street in Toronto, Ontario. A tree inventory was conducted and reviewed in the context of the proposed site plan.

The findings of the study indicate a total of 6 trees on and within six metres of the subject properties. All trees can be saved provided appropriate tree protection measures are installed prior to development.

The following recommendations are suggested to minimize impacts to trees identified for preservation. Refer to Figure 1 for the location of required tree preservation fencing, general Tree Protection Plan Notes, and tree preservation fence detail.

- Tree protection barriers and fencing should be erected at locations as prescribed on Figure 1. All tree protection measures should follow the guidelines as set out in the tree preservation plan notes and the tree preservation fencing detail.
- No construction activity including surface treatments, excavations of any kind, storage of materials or vehicles, unless specifically outlined above, is permitted within the area identified on Figure 1 as a tree protection zone (TPZ) at any time during or after construction.
- Branches and roots that extend beyond prescribed tree protection zones that require pruning must be pruned by a qualified Arborist or other tree professional. All pruning of tree roots and branches must be in accordance with Good Arboricultural Standards.
- Site visits, pre, during and post construction is recommended by either a certified consulting arborist (I.S.A.) or registered professional forester (R.P.F.) to ensure proper utilization of tree protection barriers. Trees should also be inspected for damage incurred during construction to ensure appropriate pruning or other measures are implemented.

Respectfully Submitted,
Kuntz Forestry Consulting Inc.

Kaho Hayashi

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References

City of Toronto, 2008. Private Tree Protection. Chapter 813, Article III. Adopted September 30, 2004 by By-law No. 780-2004; last amended February 21, 2013 by By-law No. 248-2013.

Table 1. Tree Inventory

Location: 27 Grosvenor Street & 26 Grenville Street, Toronto

Date: 24 August 2018

Surveyors: KH

Tree#	Common Name	Scientific Name	DBH	TI	CS	CV	CDB	cat.	mTPZ	DL	Comments	Action
1	Honey Locust (shademaster)	<i>Gleditsia triacanthos 'inermis' cv.</i>	30.5	F	F/G	F/G		5	2.4	6	Crook (M), pruning wounds (L), asymmetrical crown (M)	Preserve
2	Honey Locust (shademaster)	<i>Gleditsia triacanthos 'inermis' cv.</i>	32	F/G	F/G	F/G		5	2.4	4	Co-dominance at 5m, crook (L)	Preserve
3	Honey Locust (shademaster)	<i>Gleditsia triacanthos 'inermis' cv.</i>	31	F/G	F/G	F/G		5	2.4	8	Co-dominance at 3m, crook (L), asymmetrical crown (L)	Preserve
4	Honey Locust (shademaster)	<i>Gleditsia triacanthos 'inermis' cv.</i>	23	F/G	F	P/F	25	5	1.8	6	Union at 5m, sparse crown (M), dead branches (M), asymmetrical crown (M)	Preserve
5	Honey Locust (shademaster)	<i>Gleditsia triacanthos 'inermis' cv.</i>	34	F/G	F/G	F/G		5	2.4	6	Co-dominance at 1.5m, crook (L), asymmetrical crown (M)	Preserve
6	Freeman Maple	<i>Acer freemanii</i>	20	G	G	G		5	1.8	4		Preserve

Codes		
DBH	Diameter at Breast Height	(cm)
TI	Trunk Integrity	(G, F, P)
CS	Crown Structure	(G, F, P)
CV	Crown Vigor	(G, F, P)
CDB	Crown dieback	%
cat.	City of Toronto Tree By-law Category	1,2,3,4,5
mTPZ	minimum Tree Protection Zone	(m)
DL	Dripline	(m)
~ = Estimate, (VL) = very light, (L) = light, (M) = moderate, (H) = heavy		