Tree Inventory and Preservation Plan Report
5800 Yonge Street
Toronto, Ontario

prepared for

Times 5800 Inc.
3985 Highway 7 East, Suite 202
Markham, ON L3R 2A1

prepared by

KUNTZ
FORESTRY
CONSULTING Inc.

146 Lakeshore Road West
PO Box 1267 Lakeshore W PO
Oakville ON L6K 0B3
t: 289.837.1871 f: 866.693.6390
e: consult@kuntzforestry.ca

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KUNTZ FORESTRY CONSULTING Inc. Project P1870

Introduction

Kuntz Forestry Consulting Inc. was retained by Times 5800 Inc. to complete a Tree Inventory and Preservation Plan in support of a development application for a property located at 5800 Yonge Street in Toronto, Ontario. The subject property is located on the southwest side of Yonge Street and Drewry Avenue, within a mix-used area.

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

- Prepare inventory of the tree resources over 15 cm on and within six metres of the subject property;
- 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 measuring over 15cm DBH on and within six metres of the subject property were included in the tree inventory. Trees were located using a topographic survey provided for the property and aerial imagery downloaded from the City of Toronto Maps. Trees included in the inventory were numbered 1-87. Tree locations are shown on Figure 1. See Table 1 for the results of the inventory.

Existing Site Conditions

The subject property is currently occupied by a commercial building with associated parking and amenity areas. Tree resources exist in the form of landscape trees and natural generation. Refer to Figure 1 for the existing site conditions.

Individual Tree Resources

The tree inventory was conducted on 26 June 2018. The inventory documented 87 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 Manitoba Maple (*Acer negundo*), Norway Maple (*Acer platanoides*), Sugar Maple (*Acer saccharum*), White Birch (*Betula papyrifera*), Shademaster Honey Locust (*Gleditsia triacanthos 'inermis'*), Apple Species (*Malus spp*.), Norway Spruce (*Picea abies*), White Spruce (*Picea glauca*), Colorado Blue Spruce (*Picea pungens*), Austrian Pine (*Pinus nigra*), Scots Pine (*Pinus sylvestris*), Cherry Species (*Prunus spp*.), Pear Species (*Pyrus spp*.), Weeping Willow (*Salix babylonica*), Eastern White Cedar (*Thuja occidentalis*), Little-leaf Linden (*Tilia cordata*), White Elm (*Ulmus americana),* Siberian Elm (*Ulmus pumila*), and Elm Species (*Ulmus spp*.).

Proposed Development

The proposed development includes the demolition of the existing building and the construction of five high-rise residential towers, an underground parking lot, and associated driveway on the east side of the subject property. A new pedestrian connection is proposed on the north side of the subject property. A new park is proposed on the west side of the subject property. 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 65 trees will be required to accommodate the proposed development. Required tree removals include Trees 1-4, 6-16, 34, 36-41, and 44-87. The removal of Trees 15, 76, 78, 83, and 84 is recommended regardless of the site plan due to their hazardous condition. Trees 1-4, 15, 16, 37-41, 52-55, 57, 62, 63, 66-73, 75-83, 85, and 86 over 30cm DBH located on the subject property (category 1 trees), Trees 44-49, 59, and 61 are over 30cm DBH located on the neighbouring properties (category 2 trees), and Tree 84 is located on the City road right-of-way (category 5 tree). A permit is required

prior to their removal. Trees 36, 44-50, and 58-61 are located on the neighbouring properties; written consent from the owners of the neighbouring properties is required prior to their removal. Refer to Figure 1 for location of the proposed tree removals and Table 2 for the summary of tree removals.

Table 2. Summary of Tree Removals

Tree By-law Category	Tree Numbers	Total Number of Trees
Category 1 trees	1-4, 15, 16, 37-41, 52-55, 57, 62, 63, 66-73, 75-83, 85, 86	37
Category 2 trees	44-49, 59, 61	8
Category 5 trees	84	1
Undersized	6-14, 34, 36, 50, 51, 56, 58, 60, 64, 65, 74, 87	19
TOTAL		**65**

The removal of Tree 29 is recommended regardless of the site plan due to hazardous condition. Tree 29 has a large cavity with hollow stem.

Tree Preservation

Preservation of remaining 20 trees will be possible with the use of appropriate tree protection measures as indicated on Figure 1. Trees for preservation includes Trees 5, 17-28, 30-33, 35, 42, and 43. Tree protection measures will have to be implemented prior to the demolition to ensure tree resources designated for retention are not impacted by the proposed development. Refer to Figure 1 for the location of required tree preservation fencing, general Tree Protection Plan Notes, and tree preservation fence detail.

Tree Replacement

The City of Toronto requires replacement for any tree removal. The removal of 30 healthy trees and 11 trees in poor condition protected by the City of Toronto Tree Bylaw is proposed to accommodate the proposed site plan. As such, a total of 101 replacement plantings is required (3:1 ratio of plantings to removals of healthy trees and 1:1 ratio of plantings to removals of trees in poor condition). Species will include native specimens suitable for the area. Refer to Landscaping Plan for further detail.

Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by Times 5800 Inc. to complete a Tree Inventory and Preservation Plan in support of a development application for the property located at 5800 Yonge 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 87 trees on and within six metres of the subject property. The removal of 65 trees is required to accommodate the proposed development. The removal of one tree is recommended regardless of the site plan due to hazardous condition. The remaining 20 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

Kaho Hayashi, B.Sc., M.Sc.F.
Associate Forest Ecologist
ISA Certified Arborist #ON-2153A

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

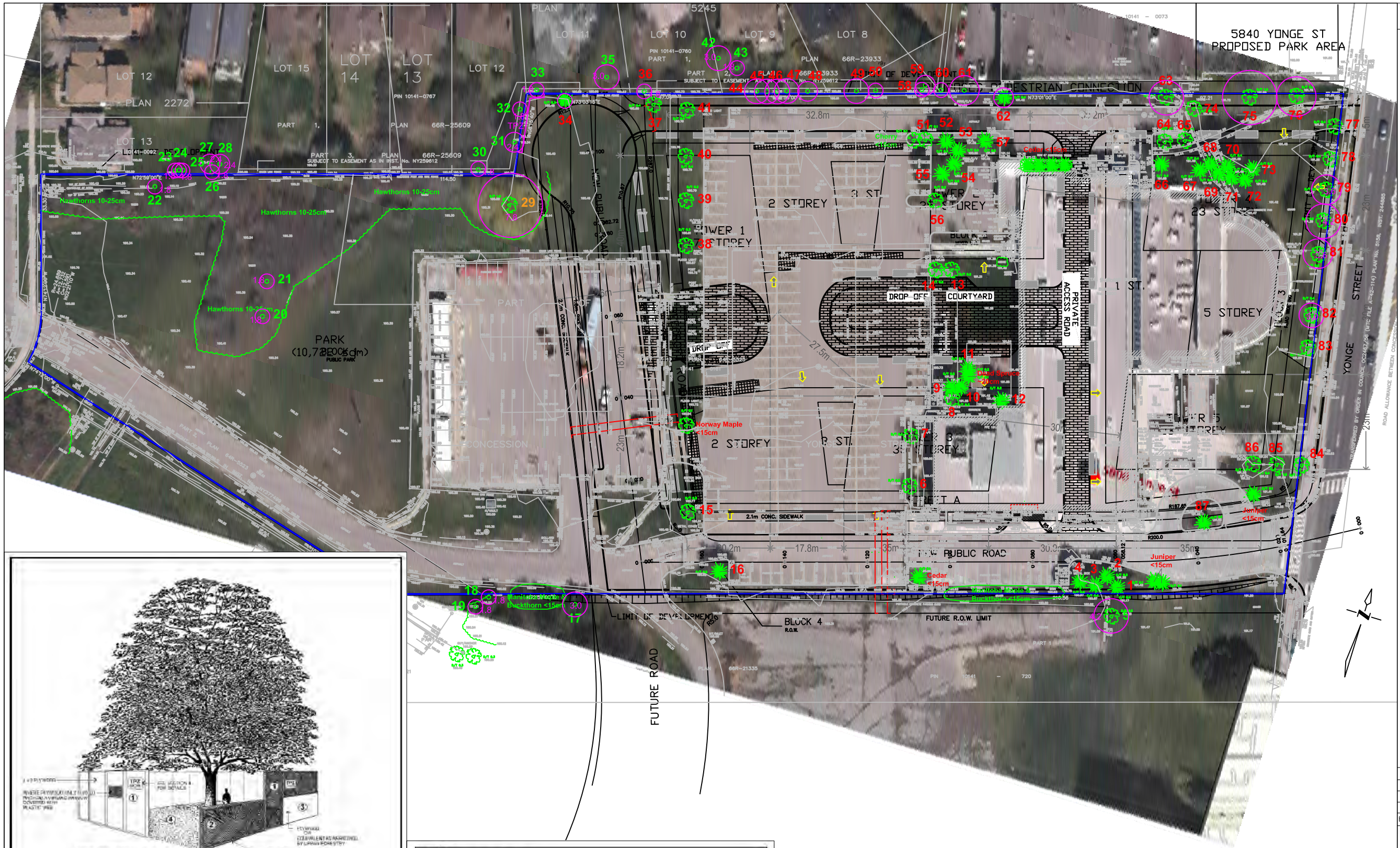
Location: 5800 Yonge Street, Toronto Date: 26 June 2018 Surveyors: KH

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	CDB	mTPZ	cat.	Comments	Action
1	Austrian Pine	*Pinus nigra*	37.5	G	F/G	F		2.4	1	Exposed roots (L), pruning wounds (L), asymmetrical crown (M), Diplodia (L)	Remove (construction)
2	Austrian Pine	*Pinus nigra*	35	F/G	F/G	F		2.4	1	Pruning wounds (L), sweep (L), asymmetrical crown (M), Diplodia (L)	Remove (construction)
3	Austrian Pine	*Pinus nigra*	33	F/G	F/G	F		2.4	1	Crook (L), pruning wounds (L), asymmetrical crown (M), Diplodia (L)	Remove (construction)
4	Austrian Pine	*Pinus nigra*	47	G	F/G	F		3	1	Pruning wounds (L), asymmetrical crown (M)	Remove (construction)
5	Honey Locust (Shademaster)	*Gleditsia triacanthos 'inermis'*	37, 35, 33, 22	F	G	F/G		4.2	2	Union at base, bow (L)	Preserve
6	Pear Species	*Pyrus spp.*	~16, 14, 12	F	F	P/F	20	1.8	-	Union at 1m, dead branches (L), purple-leaved cultivar	Remove (construction)
7	Pear Species	*Pyrus spp.*	~20, 15	F	F	F	15	1.8	-	Union at 1m, pruning wounds (M), crook (M), purple-leaved cultivar	Remove (construction)
8	Norway Maple	*Acer platanoides*	26	F/G	P	P	50	1.8	-	Exposed roots (M), girdling roots, dead branches (H), sweep (L)	Remove (construction)
9	White Spruce	*Picea glauca*	27	F	G	F/G		1.8	-	Lean (M), sweep (L)	Remove (construction)
10	White Spruce	*Picea glauca*	16	F/G	F/G	F		1.8	-	Sweep (L)	Remove (construction)
11	Norway Spruce	*Picea abies*	27	G	G	F/G		1.8	-		Remove (construction)
12	White Spruce	*Picea glauca*	24	G	F	F	20	1.8	-		Remove (construction)
13	Cherry Species	*Prunus spp.*	24	F	G	F/G		1.8	-	Stem wound (M) near base	Remove (construction)
14	Cherry Species	*Prunus spp.*	22.5	F	G	F/G		1.8	-	Seam (M)	Remove (construction)
15	Norway Maple	*Acer platanoides*	32	P	P	P/F	50	2.4	1	Seam (H), dead branches (H), epicormic branches (M), bark split ==> hazard	Remove (construction)
16	Austrian Pine	*Pinus nigra*	50	F/G	P/F	P/F	40	3	1	Dead leader, Diplodia (L), lean (L), pruning wounds (L)	Remove (construction)
17	Austrian Pine	*Pinus nigra*	41	F/G	F	F		3	2	Sweep (L), crook (L), Diplodia (L), sparse crown (L)	Preserve
18	Eastern White Cedar	*Thuja occidentalis*	~16, 14, 12	F/G	G	F/G		1.8	-	Union at base, bird nest	Preserve
19	Eastern White Cedar	*Thuja occidentalis*	~22	G	G	F		1.8	-		Preserve
20	Apple Species	*Malus spp.*	~15-22 (avg. 18)	F	F/G	P/F	25	1.8	-	Union at base (6 stems)	Preserve
21	Apple Species	*Malus spp.*	27	F	G	F/G		1.8	-	Lean (M), co-dominance at 1.5m with included bark (L), crook (M)	Preserve
22	Apple Species	*Malus spp.*	29	F	F	F		1.8	-	Bow (M), crook (M), epicormic branches (M)	Preserve
23	Eastern White Cedar	*Thuja occidentalis*	~24	G	G	F/G		1.8	-		Preserve
24	Eastern White Cedar	*Thuja occidentalis*	~16	G	G	F/G		1.8	-		Preserve
25	Eastern White Cedar	*Thuja occidentalis*	~22	G	G	F/G		1.8	-		Preserve
26	Eastern White Cedar	*Thuja occidentalis*	~15, 15	F/G	G	F/G		1.8	-	Union at base	Preserve
27	Norway Spruce	*Picea abies*	~30	G	G	F/G		2.4	2		Preserve
28	Norway Spruce	*Picea abies*	~30	G	G	F/G		2.4	2		Preserve
29	Weeping Willow	*Salix babylonica*	128	P/F	F	F	15	7.8	1	Co-dominance at 3m with cavity, hollow stem, broken branches (M), epicormic branches (M) ==> hazard	Remove (condition)
30	Honey Locust (Shademaster)	*Gleditsia triacanthos 'inermis'*	~25, 25, 20	F/G	F/G	F/G		1.8	-	Union at base, bow (L)	Preserve
31	Austrian Pine	*Pinus nigra*	~35	F/G	F	F	15	2.4	2	Lean (L), pruning wounds (L)	Preserve
32	Norway Maple	*Acer platanoides*	~22	G	G	F/G		1.8	-	Sweep (L)	Preserve
33	Elm Species	*Ulmus spp.*	~20, 16	P/F	F/G	F		1.8	-	Base in neighbouring property, main stems growing into subject property, incuded fence (H), epicormic branches (H), crook (M), union at 0.3m	Preserve
34	White Spruce	*Picea glauca*	29	F/G	G	F/G		1.8	-	Lean (L), sweep (L)	Remove
35	Norway Maple	*Acer platanoides*	~45	P	P	P/F	50	3	2	Union at 5m but 1 stem broken, dead branches (M)	Preserve
36	Scots Pine	*Pinus sylvestris*	~15	F	P	P	60	1.8	-	Dead leader, crook (M), asymmetrical crown (M)	Remove (construction)
37	Manitoba maple	*Acer negundo*	54	F	G	F/G		3.6	1	Union at 2m (3 stems), crook (L), epicormic branches (M)	Remove (construction)
38	Norway Maple	*Acer platanoides*	33	F	F	P/F	30	2.4	1	Growth deficit (L), dead branches (M)	Remove (construction)
39	Norway Maple	*Acer platanoides*	35.5	F/G	G	F/G		2.4	1	Sweep (L)	Remove (construction)
40	Norway Maple	*Acer platanoides*	54.5	F	G	F/G		3.6	1	Union at 2m, poor union, pruning wounds (L), broken branches (L), seam (L), exposed roots (L)	Remove (construction)
41	Norway Maple	*Acer platanoides*	42	F	G	F/G		3	1	Exposed roots (L), union at 3m with included bark (M), seam (L), bird nest	Remove (construction)
42	Norway Maple	*Acer platanoides*	~50	F/G	G	F/G		3	2	Lean (L) to west	Preserve

43	White Birch	*Betula papyrifera*	~20, 15	F/G	G	F/G		1.8	-	Union at 0.5m	Preserve
44	Siberian Elm	*Ulmus pumila*	~45	F/G	F	F		3	2	Crook (L), broken branches (L)	Remove (construction)
45	Siberian Elm	*Ulmus pumila*	~50	F/G	F	F	10	3	2	Crook (L), broken branches (L), dead branches (L)	Remove (construction)
46	Siberian Elm	*Ulmus pumila*	~50	F/G	F	P/F	15	3	2	Crook (L), broken branches (L), dead branches (L)	Remove (construction)
47	Siberian Elm	*Ulmus pumila*	~45	F	P	P	60	3	2	Bow (L), crook (M), dead branches (H)	Remove (construction)
48	Norway Maple	*Acer platanoides*	~32	F/G	G	F/G		2.4	2	Union at 2m	Remove (construction)
49	White Elm	*Ulmus americana*	~50	F/G	G	F	15	3	2	Union at 4m, sparse crown (M)	Remove (construction)
50	Norway Maple	*Acer platanoides*	~15	F/G	G	G		1.8	-	Crook (L)	Remove (construction)
51	Cherry Species	*Prunus spp.*	15	F/G	G	F/G		1.8	-	Stem wound (M) at base due to mower, exposed roots (L)	Remove (construction)
52	Austrian Pine	*Pinus nigra*	37	G	F/G	F		2.4	1	Asymmetrical crown (M), pruning wounds (L), sparse crown (L), Diplodia (L)	Remove (construction)
53	Austrian Pine	*Pinus nigra*	39	G	F/G	F	10	2.4	1	Asymmetrical crown (M), pruning wounds (L), sparse crown (L), Diplodia (L)	Remove (construction)
54	Austrian Pine	*Pinus nigra*	42	F/G	F/G	F		3	1	Asymmetrical crown (M), pruning wounds (L), sparse crown (L), Diplodia (L), lean (L)	Remove (construction)
55	Austrian Pine	*Pinus nigra*	43	F	F	F		3	1	Asymmetrical crown (M), pruning wounds (L), sparse crown (L), Diplodia (L), bow (L), poor form (L)	Remove (construction)
56	Cherry Species	*Prunus spp.*	17	G	G	P/F	30	1.8	-	Dead branches (M), epicormic branches (M)	Remove (construction)
57	Austrian Pine	*Pinus nigra*	54.5	G	P	P	75	3.6	1	Pruning wounds (L)	Remove (construction)
58	Eastern White Cedar	*Thuja occidentalis*	~20	G	G	F/G		1.8	-		Remove (construction)
59	Manitoba maple	*Acer negundo*	~30	F	F/G	F/G		2.4	2	Lean (M) to northeast, sweep (M)	Remove (construction)
60	Eastern White Cedar	*Thuja occidentalis*	~20	G	G	F/G		1.8	-		Remove (construction)
61	Manitoba maple	*Acer negundo*	~45, 40	P/F	F	F	15	3.6	2	Union at 0.6m, included fence (M), bow (M), epicormic branches (M), dead branches (L)	Remove (construction)
62	Scots Pine	*Pinus sylvestris*	~35, 28	F	F/G	F		2.4	1	Union at 1m with included bark (M), fused stems, crook (L), asymmetrical crown (L)	Remove (construction)
63	Manitoba maple	*Acer negundo*	~65	P/F	F	P/F	30	4.2	1	Fruiting bodies (M) near pruning wound, bow (L) to west, epicormic branches (H), dead branches (L)	Remove (construction)
64	Honey Locust (Shademaster)	*Gleditsia triacanthos 'inermis'*	15	F/G	G	G		1.8	-	Crook (L)	Remove (construction)
65	Honey Locust (Shademaster)	*Gleditsia triacanthos 'inermis'*	16.5	F/G	G	G		1.8	-	Co-dominance at 3m	Remove (construction)
66	Austrian Pine	*Pinus nigra*	47	F/G	F/G	F		3	1	Bow (L), pruning wounds (L), Diplodia (L), sparse crown (L)	Remove (construction)
67	Austrian Pine	*Pinus nigra*	42	F/G	F/G	F		3	1	Pruning wounds (L), sweep (L), asymmetrical crown (M), Diplodia (L)	Remove (construction)
68	Austrian Pine	*Pinus nigra*	38	F	F/G	F		2.4	1	Stem wound (L) at base, lean (L), pruning wounds (L), asymmetrical crown (L), crook (L), Diplodia (L)	Remove (construction)
69	Austrian Pine	*Pinus nigra*	32.5	G	F/G	F		2.4	1	Pruning wounds (L), asymmetrical crown (M), Diplodia (L)	Remove (construction)
70	Austrian Pine	*Pinus nigra*	36	G	G	F		2.4	1	Pruning wounds (L), asymmetrical crown (M), Diplodia (L)	Remove (construction)
71	Austrian Pine	*Pinus nigra*	42	F/G	G	F		3	1	Pruning wounds (L), sweep (L), Diplodia (L)	Remove (construction)
72	Austrian Pine	*Pinus nigra*	41.5	G	F/G	F		3	1	Pruning wounds (L), asymmetrical crown (M), Diplodia (L)	Remove (construction)
73	Austrian Pine	*Pinus nigra*	44.5	G	F/G	F		3	1	Pruning wounds (L), asymmetrical crown (M), Diplodia (L)	Remove (construction)
74	Honey Locust (Shademaster)	*Gleditsia triacanthos 'inermis'*	15.5	F/G	G	G		1.8	-	Union at 2.5m	Remove (construction)
75	Sugar Maple	*Acer saccharum*	105.5	F	F/G	F	15	6.6	1	Co-dominance at 2m with included bark (M), cavity	Remove (construction)
76	Sugar Maple	*Acer saccharum*	74.5	P	P	P/F	75	4.8	1	Lost leader at 6m, open cavity, decay with rot ==> hazard	Remove (construction)
77	Norway Maple	*Acer platanoides*	42	P/F	F	F	15	3	1	Bow (M) to northeast, epicormic branches (M), stem wound (M), seam (M)	Remove (construction)
78	Norway Maple	*Acer platanoides*	45.5	P	F	F	25	3	1	Co-dominance at 3m, pruning wounds (L), stem wound (H) at base with cavity, pruning wounds (L), vertical split, broken branches (L) ==> potential hazard	Remove (construction)
79	Norway Maple	*Acer platanoides*	53.5	F	F	F	20	3.6	1	Union at 2m, exposed roots (L), stem wound (M) at base due to mower, pruning wounds (L)	Remove (construction)
80	Norway Maple	*Acer platanoides*	63.5	F	F	F	20	4.2	1	Union at 2m (4 stems), exposed roots (L), dead branches (L), poor union	Remove (construction)

81	Norway Maple	*Acer platanoides*	53.5	F	F	P/F	30	3.6	1	Union at 3m, pruning wounds (L), dead branches (M), epicormic branches (L), bow (L), exposed roots (L) with wound	Remove (construction)
82	Norway Maple	*Acer platanoides*	42.5	F/G	F	F	20	3	1	Exposed roots (L), co-dominance at 2.5m with included bark (M)	Remove (construction)
83	Norway Maple	*Acer platanoides*	57.5	P	F	F	25	3.6	1	Union at 3m, fruiting bodies (H) at broken branches (M), epciormic branches (H) ==> potential hazard	Remove (construction)
84	Little-leaf Linden	*Tilia cordata*	41	P	P	P	90	3	5	Fruiting bodies (H) at lower main stem, seam (M), dead leader, a few epicormic branches alive ==> hazard	Remove (construction)
85	Little-leaf Linden	*Tilia cordata*	50.5	F/G	P	P	50	3.6	1	Growth deficit (L), epicormic branches (L), broken branches (L)	Remove (construction)
86	Little-leaf Linden	*Tilia cordata*	43	F/G	F/G	P/F	20	3	1	Stem wound (L) with rot, pruning wounds (M)	Remove (construction)
87	Colorado Blue Spruce	*Picea pungens*	~20	G	G	G		1.8	-		Remove (construction)

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 Die Back	*(%)*
DL	Dripline	*(m)*
mTPZ	minimum Tree Protection Zone	*(m)*
Cat.	City of Toronto Tree Category	*1, 2, 3, 4, 5*
~ = estimate; (VL) = very light; (L) = light; (M) = moderate; (H) = heavy		



LEGEND

Tree Inventory

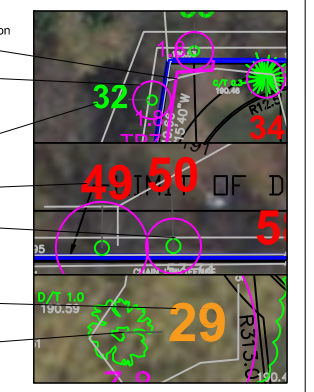
Refer to Table 1 of report dated 29 June 2018, revised 31 May 2019 for complete tree inventory information. All trees greater than 15cm DBH on and within six metres of the subject property were included in the inventory.

Tree Removals

The removal of 65 trees will be required to accommodate the proposed development as indicated with RED label. The removal of additional one tree is recommended due to poor condition as indicated with ORANGE label.

Tree Preservation

Preservation of remaining 20 trees will be possible. Tree identified for preservation are indicated with GREEN labels. Tree Preservation Zone (TPZ) circles represent minimum distances for construction and grading near trees, respecting City of Toronto Private Tree By-law. Refer to Tree Protection Plan Notes for preservation details.



TREE PROTECTION PLAN NOTES

- It is the applicants' responsibility to discuss potential impacts to trees located near or wholly on adjacent properties or on shared boundary lines with their neighbours. Should such trees be injured to the point of instability or death the applicant may be held responsible through civil action. The applicant would also be required to replace such trees to the satisfaction of Urban Forestry.
- Tree protection barriers shall be installed to standards as detailed in this document and to the satisfaction of Urban Forestry.
- Tree protection barriers must be installed using plywood clad hoarding (minimum 19mm or ¾" thick) or an equivalent approved by Urban Forestry.
- Where required, signs as specified in Section 4, Tree Protection Signage must be attached to all sides of the barrier.
- Prior to the commencement of any site activity such as site alteration, demolition or construction, the tree protection measures specified on this plan must be installed to the satisfaction of Urban Forestry.
- Once all tree/site protection measures have been installed, Urban Forestry staff must be contacted to arrange for an inspection of the site and approval of the tree/site protection requirements. Photographs that clearly show the installed tree/site protection shall be provided for Urban Forestry review.
- Where changes to the location of the approved TPZ or sediment control or where temporary access to the TPZ is proposed, Urban Forestry must be contacted to obtain approval prior to alteration.
- Tree protection barriers must remain in place and in good condition during demolition, construction and/or site disturbance, including landscaping, and must not be altered, moved or removed until authorized by Urban Forestry.
- No construction activities including grade changes, surface treatments or excavation of any kind are permitted within the area identified on the Tree Protection Plan or Site Plan as a minimum tree protection zone (TPZ). No root cutting is permitted. No storage of materials or fill is permitted within the TPZ. No movement or storage of vehicles or equipment is permitted within the TPZ. The area(s) identified as a TPZ must be protected and remain undisturbed at all times.
- All additional tree protection or preservation requirements, above and beyond the installation of tree protection barriers, must be undertaken or implemented as detailed in the Urban Forestry approved arborist report and/or the approved tree protection plan and to the satisfaction of Urban Forestry.
- If the minimum tree protection zone (TPZ) must be reduced to facilitate construction access, the tree protection barriers must be maintained at a lesser distance and the exposed portion of TPZ must be protected using a horizontal root protection method approved by Urban Forestry.
- Any roots or branches indicated on this plan which require pruning, as approved by Urban Forestry, must be pruned by an arborist. All pruning of tree roots and branches must be in accordance with good arboricultural practice. Roots that have received approval from Urban Forestry to be pruned must first be exposed using pneumatic (air) excavation, by hand digging or by a using low pressure hydraulic (water) excavation. The water pressure for hydraulic excavation must be low enough that root bark is not damaged or removed. This will allow a proper pruning cut and minimize tearing of the roots. The arborist retained to carry out crown or root pruning must contact Urban Forestry no less than three working days prior to conducting any specified work.
- The applicant/owner shall protect all by-law regulated trees in the area of consideration that have not been approved for removal throughout development works to the satisfaction of Urban Forestry.
- Convictions of offences respecting the regulations in the Street Tree By-law and Private Tree By-law are subject to fines. A person convicted of an offence under these by-laws is liable to a minimum fine of $500 and a maximum fine of $100,000 per tree, and /or a Special Fine of $100,000. The landowner may be ordered by the City to stop the contravening activity or ordered to undertake work to correct the contravention.
- Prior to site disturbance the owner must confirm that no migratory birds are making use of the site for nesting. The owner must ensure that the works are in conformance with the Migratory Bird Convention Act and that no migratory bird nests will be impacted by the proposed work no less than 48 hours prior to conducting any specified work.

No.	Issue/Revisions	Date	By
1	Report Submission	29 Jun. '18	KH
2	Report Revision	31 May '19	KH

Base Data: Schaeffer Dzaldov Bennett Ltd (topo); Wallman Architects (site plan)

KUNTZ FORESTRY CONSULTING Inc.
146 Lakeshore Road West
PO Box 1267 Lakeshore W PO
Oakville ON L6K 0B3
t: 289.837.1871 f: 866.693.6390
e: consult@kuntzforestry.ca
web: www.kuntzforestry.ca

Client
Times 5800 Inc.
3985 Highway 7 East, Suite 202
Markham, ON L3R 2A2

Property
5800 Yonge Street
Toronto, Ontario

Existing Conditions, Proposed Site Plan
Tree Inventory, Preservation, and Planting Plan

Project	P1870	Figure
Date	29 June 2018	1
Scale	1:1000	

Tree Protection Barriers

1. Tree protection barriers must be constructed with a solid wood frame clad with plywood or approved equivalent. Height of hoarding may be less than 2 ft. to accomodate any trenches that may be lower.
2. Tree protection barriers for trees situated on the City road allowance where visibility must be maintained can be 1.2m (4ft.) high and consist of orange plastic web snow fencing on a wood frame made of 2 x 4s.
3. Where some excavate or fill has to be temporarily located near a tree protection barrier, plywood must be used to ensure no material enters the Tree Protection Zone.
4. No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the Tree Protection Zone.

Note:
Sediment control fencing shall be installed in locations indicated in an Urban Forestry approved Tree Protection Plan. The sediment control fencing must be installed to Ontario Provicial Standards (OPSD-219.130) heavy duty silt fence barrier and to the satisfaction of Urban Forestry. See Detail TP- 2

TORONTO
Urban Forestry
Parks, Forestry and Recreation
February 2016
Detail TP-1

TORONTO
Parks, Forestry & Recreation

Tree Protection Zone (TPZ)

All construction related activities, including grade alteration, excavation, soil compaction, any materials or equipment storage, disposal of liquid and vehicular traffic are NOT permitted within this TPZ.

This tree protection barrier must remain in good condition and must not be removed or altered without authorization of City of Toronto, Urban Forestry.

Concerns or inquiries regarding this TPZ can be directed to:
311 or 311@toronto.ca