



MIKE SPENCLEY, ISA CERTIFIED ARBORIST  
 48 St. Quentin Avenue, Toronto, ON M1M 2M8  
 P: 416 285 4750 C: 416 436 5118 F: 416 285 4749  
 mike@centraltreecare.com

Since 1996

centraltreecare.com

February 23, 2018

**Town of Markham Civic Centre**  
 101 Town Centre  
 Markham, ON L3R 9W3  
 T 905-477-7000  
 E [customerservice@markham.ca](mailto:customerservice@markham.ca)

**Janet Rosenberg & Studio Inc.**  
 Attn: Jenny Christine Bukovec  
 148 Kenwood Ave.  
 Toronto, ON M6C 2S3  
 P 416-656-6665 x266  
 E [jbukovec@jrstudio.ca](mailto:jbukovec@jrstudio.ca)

**Re: Ladies' Golf Club of Toronto – 7859 Yonge Street (Ward 1)**

### **Arborist Report – Construction/Tree Protection**

Central Tree Care Ltd. has been retained by Janet Rosenberg & Studio Inc. to provide a professional arborist report for the proposed work at on the north-east corner of 7859 Yonge Street. The nature of the work is the construction of a 12-storey condominium and 15-storey condominium with underground parking, and installation of new service lines.

Land towards the north is slated to be given to the city and converted into a park; however, these plans have not been finalized and all structures within the future park, that do not overlap with the condominium development, are slated to remain undisturbed to avoid disturbance to the surrounding trees.

Out of a total of two-hundred six (206) inventoried trees, the following will be impacted to facilitate the proposed construction:

- **Two (2) privately-owned trees will require a permit to injure**
- **Seventy-seven (77) privately-owned trees will require a permit to remove**
- **One (1) city-owned tree will require a permit to injure**
- **Two (2) city-owned trees will require a permit to remove**
- **One (1) privately-owned tree is requested for a permit to remove**

This arborist report and the attached Tree Protection Plan are based on the assumption that *no additional trees will be injured or removed.*

### **LIMITATIONS**

Inspection of the trees on site was limited to a visual assessment from the ground only, unless stated otherwise. No inspection via climbing, exploration below grade, probing, or coring were conducted. Any observations and data collected from site are based on conditions at the time of inspection.

## TREE INVENTORY & IMPACT OF PROPOSED WORK

Trees located within the work area were inspected on January 4<sup>th</sup> and 8<sup>th</sup> 2018. Recommendations for tree preservation can be found within Appendix I.

To facilitate the construction of the new condominium and underground parking, shoring will be used to help minimize the need for excavation. An approximate overdig area has been highlighted in the attached Tree Protection Plan dated February 21, 2018.

As part of the landscape and park revitalization plan, the new walkways will require a minimum excavation of 30cm to install.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
501	Cedar	<i>Thuja occidentalis</i>	23	Poor	Poor	2.0	2.4	-	1	Large section of decay on trunk from grade to 2.5m above.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within overdig.
502	Cedar	<i>Thuja occidentalis</i>	10, 10, 4, 3, 5 (32)	Fair	Fair	2.0	2.4	-	1	Multi-stemmed.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
503	Buckthorn	<i>Rhamnus cathartica</i>	10, 10, 11, 11 (42)	Fair	Fair	2.0	3.0	\$ 830.00	1	Multi-stemmed. Epicormic growth throughout. Small deadwood throughout.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within overdig.
504	Crabapple	<i>Malus sp.</i>	31, 43 (74)	Fair - Poor	Poor	4.0	4.8	\$ 6,100.00	1	Eliptical stems. Epicormic growth throughout. Large deadwood throughout. Cavity on main union. Stubs from old pruning wounds. 10cm hanger in canopy.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within overdig.
505	Buckthorn	<i>Rhamnus cathartica</i>	9, 15 (23)	Fair	Fair	1.5	2.4	-	1	Multi-stemmed. Epicormic growth throughout. Small deadwood throughout.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Overdig approaches 1.0m from base.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
506	Buckthorn	<i>Rhamnus cathartica</i>	7, 11, 11, 7 (36)	Fair	Fair	2.0	2.4	-	1	Small deadwood throughout.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within overdig.
507	Buckthorn	<i>Rhamnus cathartica</i>	9, 8, 14, 12, 10 (53)	Poor	Poor	2.0	3.6	\$ 540.00	1	80% dead. Large deadwood throughout.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Overdig approaches 1.0m from base.
508	Cedar	<i>Thuja occidentalis</i>	28	Fair	Fair	1.5	2.4	-	1	Leans towards the south. Sparse canopy. End tree of hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Overdig approaches 1.0m from base.
509	Cedar	<i>Thuja occidentalis</i>	31	Poor	Poor	2.0	2.4	-	1	Co-dominant with a dead stem. Vertical crack on main union extending almost to grade.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Overdig approaches 1.0m from base.
510	Cedar	<i>Thuja occidentalis</i>	19	Dead	Dead	-	-	-	0	Dead.	Dead. Requested to be exempt from the bylaw.
511	Norway Maple	<i>Acer platanoides</i>	17, 11 (28)	Good	Fair	2.0	2.4	-	1	Established epicormic growth at base. Small deadwood in canopy. Epicormic growth in canopy.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Overdig approaches 2.0m from base.
512	Black Walnut	<i>Juglans nigra</i>	52	Good	Fair - Good	6.0	3.6	\$12,000.00	1	Overextended limb towards the north. Small deadwood in canopy.	Requires a <b>permit to remove</b> for new lane entrance.  Within footprint.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
513	Crabapple	<i>Malus sp.</i>	~40	Dead	Dead	-	-	-	0	Dead. Failed at 1.5m. Stem is lodged in surrounding trees.	Dead. Requested to be exempt from the bylaw.
513A	N/A	N/A	~30	Dead	Dead	-	-	-	0	Dead. Co-dominant stemmed.	Dead. Requested to be exempt from the bylaw.
514	Crabapple	<i>Malus sp.</i>	42	Poor	Poor	2.5	3.0	\$ 3,110.00	1	Vertical crack from base to 2.5m. Large deadwood throughout.	Requires a <b>permit to remove</b> for new condominium and new hardscape.  Hardscape approaches 1.0m from base.
515	Buckthorn	<i>Rhamnus cathartica</i>	14, 16 (30)	Fair	Fair - Poor	2.0	2.4	-	1	Epicormic growth in canopy. Small deadwood throughout.	Requires a <b>permit to remove</b> for new property fence.  Fence approaches up to base of tree.
516	Ash	<i>Fraxinus sp.</i>	~30	Dead	Dead	-	-	-	0	Dead. EAB.	Dead. Requested to be exempt from the bylaw.
517	Cedar	<i>Thuja occidentalis</i>	20	Fair	Fair	1.5	2.4	-	1	Part of a hedge. Slightly sparse.	Requires a <b>permit to remove</b> for new property fence.  Fence approaches up to base of tree.
518	Cedar	<i>Thuja occidentalis</i>	20	Fair	Fair	1.5	2.4	-	1	Part of a hedge. Slightly sparse.	Requires a <b>permit to remove</b> for new property fence.  Fence approaches up to base of tree.
519	Cedar	<i>Thuja occidentalis</i>	17	Fair	Fair	1.5	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
520	Ash	<i>Fraxinus sp.</i>	26	Dead	Dead	-	-	-	0	Dead. EAB.	Dead. Requested to be exempt from the bylaw.
521	Cedar	<i>Thuja occidentalis</i>	17	Fair	Fair	1.5	1.8	-	1	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
522	Cedar	<i>Thuja occidentalis</i>	21	Fair	Fair	1.5	2.4	-	1	Part of a hedge. Slightly sparse.	Requires a <b>permit to remove</b> for new lane entrance.  Within footprint.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
523	Ash	<i>Fraxinus sp.</i>	25	Dead	Dead	-	-	-	0	Dead. EAB.	Dead. Requested to be exempt from the bylaw.
524	Cedar	<i>Thuja occidentalis</i>	19	Fair	Fair	1.5	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
525	Cedar	<i>Thuja occidentalis</i>	17	Fair	Fair	1.5	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
526	Cedar	<i>Thuja occidentalis</i>	16, 9 (25)	Fair	Fair	1.5	1.8	-	1	Co-dominant stemmed. Part of a hedge. Slightly sparse.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
527	Cedar	<i>Thuja occidentalis</i>	16	Fair	Fair	1.5	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
538	Cedar	<i>Thuja occidentalis</i>	22	Fair	Fair	1.5	2.4	-	1	Part of a hedge. Slightly sparse.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
539	Cedar	<i>Thuja occidentalis</i>	25	Fair	Fair	2.0	2.4	-	1	Part of a hedge. Slightly sparse.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
540	Cedar	<i>Thuja occidentalis</i>	18	Fair	Poor	1.5	1.8	-	0	More sparse than surrounding cedars. Part of a hedge.	Not regulated under tree bylaws.
541	Cedar	<i>Thuja occidentalis</i>	18	Fair	Fair	1.5	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
542	Cedar	<i>Thuja occidentalis</i>	23	Fair	Fair	1.5	2.4	-	1	Part of a hedge. Slightly sparse.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
543	Cedar	<i>Thuja occidentalis</i>	16	Fair	Fair	1.0	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
544	Cedar	<i>Thuja occidentalis</i>	20	Fair	Fair	1.5	2.4	-	1	Part of a hedge. Slightly sparse.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
545	Cedar	<i>Thuja occidentalis</i>	19	Fair	Fair	2.0	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
546	Cedar	<i>Thuja occidentalis</i>	18	Fair - Poor	Fair - Poor	1.0	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
547	Cedar	<i>Thuja occidentalis</i>	21	Fair	Fair	1.5	2.4	-	1	Part of a hedge. Slightly sparse.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
548	Cedar	<i>Thuja occidentalis</i>	17	Fair	Fair	1.5	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
549	Cedar	<i>Thuja occidentalis</i>	19	Fair	Fair	1.5	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
550	Cedar	<i>Thuja occidentalis</i>	21	Fair - Good	Fair	3.0	2.4	-	1	Marker for when hedge becomes more dense. Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
551	Cedar	<i>Thuja occidentalis</i>	24	Fair	Fair	1.5	2.4	-	1	Part of a hedge. Slightly sparse.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
552	Cedar	<i>Thuja occidentalis</i>	18	Fair	Fair	1.5	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
553	Cedar	<i>Thuja occidentalis</i>	24	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
554	Cedar	<i>Thuja occidentalis</i>	21	Fair	Fair	1.5	2.4	-	1	Part of a hedge. Slightly sparse.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
555	Cedar	<i>Thuja occidentalis</i>	22	Fair	Fair	1.5	2.4	-	1	Part of a hedge. Slightly sparse.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
556	Cedar	<i>Thuja occidentalis</i>	24	Fair - Good	Fair	2.5	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
557	Cedar	<i>Thuja occidentalis</i>	17	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
558	Cedar	<i>Thuja occidentalis</i>	13, 18 (31)	Poor	Poor	2.0	2.4	-	1	Co-dominant stemmed at base. One stem dead. Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within footprint.
559	Cedar	<i>Thuja occidentalis</i>	21	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
560	Cedar	<i>Thuja occidentalis</i>	27	Fair - Good	Fair	2.5	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
561	Cedar	<i>Thuja occidentalis</i>	17	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
562	Cedar	<i>Thuja occidentalis</i>	16	Fair	Fair	1.0	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
563	Cedar	<i>Thuja occidentalis</i>	30	Fair - Good	Fair	2.5	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
564	Cedar	<i>Thuja occidentalis</i>	18	Fair	Fair	1.5	1.8	-	0	Part of a hedge. Slightly sparse.	Not regulated under tree bylaws.
565	Cedar	<i>Thuja occidentalis</i>	28	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
566	Cedar	<i>Thuja occidentalis</i>	30	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
567	Cedar	<i>Thuja occidentalis</i>	17	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
568	Cedar	<i>Thuja occidentalis</i>	19, 12, 11, 10 (52)	Fair - Good	Fair	2.0	3.6	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
569	Cedar	<i>Thuja occidentalis</i>	19	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.



Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
570	Cedar	<i>Thuja occidentalis</i>	24	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
571	Cedar	<i>Thuja occidentalis</i>	23	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
572	Cedar	<i>Thuja occidentalis</i>	21	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
573	Cedar	<i>Thuja occidentalis</i>	24	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
574	Cedar	<i>Thuja occidentalis</i>	23	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
575	Cedar	<i>Thuja occidentalis</i>	19	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
576	Cedar	<i>Thuja occidentalis</i>	15, 19 (34)	Fair - Good	Fair	2.0	2.4	-	1	Co-dominant stemmed. Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
577	Cedar	<i>Thuja occidentalis</i>	19, 7 (26)	Fair - Good	Fair	2.0	2.4	-	1	Co-dominant stemmed. Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
578	Cedar	<i>Thuja occidentalis</i>	20	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
579	Cedar	<i>Thuja occidentalis</i>	18	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
580	Cedar	<i>Thuja occidentalis</i>	11, 16 (27)	Fair - Good	Fair	2.0	2.4	-	1	Co-dominant at base. Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
581	Cedar	<i>Thuja occidentalis</i>	23	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
582	Cedar	<i>Thuja occidentalis</i>	22	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
583	Cedar	<i>Thuja occidentalis</i>	18, 9 (27)	Fair - Good	Fair	2.0	2.4	-	1	Co-dominant stemmed. Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
584	Cedar	<i>Thuja occidentalis</i>	17, 16 (33)	Fair - Good	Fair	2.0	2.4	-	1	Co-dominant stemmed. Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
585	Cedar	<i>Thuja occidentalis</i>	15, 22 (37)	Fair - Good	Fair	2.0	2.4	-	1	Co-dominant stemmed. Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
586	Cedar	<i>Thuja occidentalis</i>	20	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
587	Cedar	<i>Thuja occidentalis</i>	25	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
588	Cedar	<i>Thuja occidentalis</i>	25	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
589	Cedar	<i>Thuja occidentalis</i>	19	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
590	Cedar	<i>Thuja occidentalis</i>	22	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
591	Cedar	<i>Thuja occidentalis</i>	21	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
592	Cedar	<i>Thuja occidentalis</i>	24	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Requires a <b>permit to remove</b> for new underground parking and condominium.  Within anticipated overdig.
593	Cedar	<i>Thuja occidentalis</i>	23	Fair - Good	Fair	2.0	2.4	-	1	Part of a hedge.	Fully protect and to be preserved.
594	Cedar	<i>Thuja occidentalis</i>	16	Fair	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
595	Crabapple	<i>Malus sp.</i>	24	Fair	Fair	2.0	2.4	-	1	Co-dominant stemmed. Included leaders. Vertical crack from union extending downwards with reaction wood. Overgrown by hedge. Grows throughout fence.	Fully protect and to be preserved.
596	Cedar	<i>Thuja occidentalis</i>	19	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
597	Cedar	<i>Thuja occidentalis</i>	17	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
598	Cedar	<i>Thuja occidentalis</i>	17	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
599	Cedar	<i>Thuja occidentalis</i>	18	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
600	Cedar	<i>Thuja occidentalis</i>	10, 14 (24)	Fair - Good	Fair	2.0	2.4	-	1	Co-dominant at base. Part of a hedge.	Fully protect and to be preserved.
601	Cedar	<i>Thuja occidentalis</i>	13, 12 (25)	Fair - Good	Fair	2.0	2.4	-	1	Co-dominant at base. Part of a hedge.	Fully protect and to be preserved.
602	Cedar	<i>Thuja occidentalis</i>	19	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
602A	Black Cherry	<i>Prunus serotina</i>	~26	Fair	Fair	3.0	2.4	\$ 3,730.00	5	Co-dominant stemmed. Starting to grow through fence.	Fully protect and to be preserved.
603	Cedar	<i>Thuja occidentalis</i>	18	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
604	Cedar	<i>Thuja occidentalis</i>	16, 17 (23)	Fair - Good	Fair	2.0	2.4	-	1	Co-dominant stemmed. Part of a hedge.	Fully protect and to be preserved.
605	Cedar	<i>Thuja occidentalis</i>	17	Fair - Good	Fair	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
606	Manitoba Maple	<i>Acer negundo</i>	21	Fair	Fair	3.5	2.4	\$ 630.00	5	Grows through fence onto municipal property. Base is located on the golf course.	Fully protect and to be preserved.
607	Buckthorn	<i>Rhamnus cathartica</i>	13, 10 (23)	Poor	Poor	2.0	2.4	-	1	Grows through fence. Deadwood throughout. Distorted trunk.	Fully protect and to be preserved.
608	Cedar	<i>Thuja occidentalis</i>	14	Fair - Good	Fair - Good	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
609	Buckthorn	<i>Rhamnus cathartica</i>	14	Fair - Poor	Poor	2.0	1.8	-	0	Grows through fence. Deadwood throughout.	Not regulated under tree bylaws.
610	Cedar	<i>Thuja occidentalis</i>	16	Fair - Good	Fair - Good	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
611	Cedar	<i>Thuja occidentalis</i>	16	Fair - Good	Fair - Good	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
612	Cedar	<i>Thuja occidentalis</i>	17	Fair - Good	Fair - Good	2.0	1.8	-	0	Part of a hedge.	Not regulated under tree bylaws.
613	Norway Maple	<i>Acer platanoides</i>	18	Fair	Fair	2.0	1.8	-	0	Trunk grows into fence.	Not regulated under tree bylaws.
614	Buckthorn	<i>Rhamnus cathartica</i>	15, 9 (24)	Poor	Poor	2.5	2.4	-	1	60% dead.	Requires a <b>permit to remove</b> to install new service lines.  Within footprint of excavation.
615	Crabapple	<i>Malus sp.</i>	24, 13 (37)	Fair	Fair - Poor	2.5	2.4	-	1	Multi-stemmed. Crossing stems. Discoloured light bark colour.	Requires a <b>permit to remove</b> to install new service lines.  Within footprint of excavation.
616	Silver Maple	<i>Acer saccharinum</i>	35, 26 (61)	Fair	Fair	3.0	4.2	\$ 5,300.00	1	Co-dominant stemmed at 0.5m from base. Intertwined with surrounding trees. Epicormic growth throughout.	Requires a <b>permit to remove</b> to install new service lines.  Excavation encroaches up to 1.0m from base of tree.
617	Elm	<i>Ulmus sp.</i>	18, 14 (32)	Fair	Fair	3.5	2.4	-	1	Co-dominant stemmed. Twisted growth. Intertwined with surrounding trees.	Requires a <b>permit to remove</b> to install new service lines.  Excavation encroaches up to 0.8m from base of tree.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
618	Silver Maple	<i>Acer saccharinum</i>	22, 23 (45)	Fair	Fair - Poor	7.0	3.0	\$ 2,610.00	1	Co-dominant with included stems. Intertwined stems. Grows towards the east. Appears to be supported by surrounding trees.	Requires a <b>permit to remove</b> to remove existing chain link fence, to install new service lines, and install new walkway.  Excavation encroaches up to 2.4m and 2.0m from base.  Not expected to tolerate the excavation for the work well, especially if the surrounding support trees are removed.
619	Silver Maple	<i>Acer saccharinum</i>	50	Fair	Fair	5.0	3.0	\$ 6,600.00	1	7cm hanger in canopy. Old points of failure with some epicormic growth. Canker in canopy.	Fully protect and to be preserved.
620	Silver Maple	<i>Acer saccharinum</i>	42	Fair - Poor	Poor	4.0	3.0	\$ 3,180.00	1	Old limbs failures throughout canopy. 5cm hangers. Large cavity at base from removed stem encompassing approximately 50% of the basal circumference. Only live canopy remaining is epicormic growth.	Fully protect and to be preserved.
621	Basswood	<i>Tilia americana</i>	20, 11, 21, 12 (64)	Fair	Fair - Poor	3.5	4.2	\$ 2,450.00	1	Multi-stemmed. Included. Cankers throughout canopy and trunk. Old failures.	Fully protect and to be preserved.
622	Basswood	<i>Tilia americana</i>	20, 12 (32)	Fair	Fair - Poor	3.5	2.4	-	1	Cavities throughout canopy. Suppressed by surrounding trees.	Fully protect and to be preserved.
623	Silver Maple	<i>Acer saccharinum</i>	25, 42, 15, 51 (133)	Fair	Fair	7.0	8.0	\$13,200.00	1	Multiple stems. Included main union at base of tree. Old failures. Epicormic growth, new and established, throughout canopy.	Fully protect and to be preserved.
624	Basswood	<i>Tilia americana</i>	33	Fair	Fair	4.0	2.4	-	1	Starting to grow into fence. Some cankers along trunk.	Fully protect and to be preserved.
625	Basswood	<i>Tilia americana</i>	12, 18, 16, 22 (68)	Fair - Poor	Fair - Poor	4.0	4.2	\$ 3,120.00	1	Multiple stems. Cankers in canopy and along trunk.	Fully protect and to be preserved.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
626	Basswood	<i>Tilia americana</i>	32	Fair	Fair	3.0	2.4	-	1	Cankers in canopy and along trunk.	Fully protect and to be preserved.
627	Basswood	<i>Tilia americana</i>	35, 25, 36, 30 (126)	Fair	Fair	6.0	7.6	\$ 9,600.00	1	Multiple stems. North stem grows into fence. Southern stems on a lean and grows over halfway house. Cankers in canopy and along trunk.	Fully protect and to be preserved.
628	Elm	<i>Ulmus sp.</i>	23	Fair	Fair	4.0	2.4	-	1	Suppressed and grows on a lean.	Fully protect and to be preserved.
629	Silver Maple	<i>Acer saccharinum</i>	57	Fair	Fair	6.5	3.6	\$ 9,300.00	1	Old failures in canopy. Epicormic growth throughout. Slight lean to the north. Trunk discolouration near base possibly indicating decay.	Fully protect and to be preserved.
629A	Buckthorn	<i>Rhamnus cathartica</i>	16, 16, 13, 13, 12, 12, 13 (82)	Fair - Poor	Fair - Poor	2.5	5.4	\$ 2,440.00	2	Multi-stemmed. Recent pruning wounds. Epicormic growth throughout. Deadwood throughout.	Fully protect and to be preserved.
630	White Spruce	<i>Picea glauca</i>	39	Fair - Good	Good	2.5	2.4	-	1	Some minor tip dieback.	Fully protect and to be preserved.
631	White Spruce	<i>Picea glauca</i>	37	Fair - Good	Good	2.5	2.4	-	1	Minor interior dieback.	Fully protect and to be preserved.
632	White Spruce	<i>Picea glauca</i>	31	Fair - Good	Good	2.5	2.4	-	1	Some tip dieback. Large cone production.	Fully protect and to be preserved.
633	White Spruce	<i>Picea glauca</i>	29	Fair	Good	2.0	2.4	-	1	Crowded by surrounding trees.	Fully protect and to be preserved.
634	White Spruce	<i>Picea glauca</i>	31	Good	Good	2.5	2.4	-	1	Pitch mass on trunk.	Fully protect and to be preserved.
635	White Spruce	<i>Picea glauca</i>	31, 39 (70)	Fair - Good	Fair	3.0	4.2	\$32,800.00	1	Co-dominant stems. Included stems. Sparse approximately half-way up the canopy. Large cone production.	Requires a <b>permit to injure</b> for overdig of new foundation and underground parking.  Excavation will encroach as close as 2.6m. Possibility of structural roots at this distance.  Exploratory excavation required.
636	Norway Spruce	<i>Picea abies</i>	53	Good	Good	3.0	3.6	\$41,600.00	1	Planted as a cluster with surrounding trees.	Fully protect and to be preserved.



Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
637	Norway Spruce	<i>Picea abies</i>	44	Good	Fair - Good	3.0	3.0	\$28,700.00	2	Planted as a cluster with surrounding trees.	Fully protect and to be preserved.
638	Norway Spruce	<i>Picea abies</i>	62	Good	Fair	3.0	4.2	\$53,300.00	2	Co-dominant stemmed with a vertical crack extending down from main union; good reaction wood. Planted as a cluster with surrounding trees.	Fully protect and to be preserved.
639	Norway Spruce	<i>Picea abies</i>	48	Good	Good	3.0	3.0	\$34,200.00	2	Planted as a cluster with surrounding trees.	Fully protect and to be preserved.
640	Norway Spruce	<i>Picea abies</i>	35	Good	Good	3.0	2.4	-	2	Planted as a cluster with surrounding trees.	Fully protect and to be preserved.
641	Norway Spruce	<i>Picea abies</i>	23	Fair - Poor	Fair - Poor	2.0	2.4	-	2	Out shaded. Lots of deadwood in canopy. Growth predominantly clustered at the top. Planted as a cluster with surrounding trees.	Fully protect and to be preserved.
642	Norway Spruce	<i>Picea abies</i>	24, 50 (74)	Fair	Fair	3.5	4.8	\$36,200.00	2	Co-dominant stemmed due to growth of secondary leader. Large pest infestation along south side.	Fully protect and to be preserved.
643	Norway Spruce	<i>Picea abies</i>	32	Fair - Poor	Fair	1.5	2.4	-	2	Growth only at the top. Out shaded.	Fully protect and to be preserved.
644	Norway Spruce	<i>Picea abies</i>	32, 22, 28 (82)	Good	Fair - Good	3.0	5.4	\$34,200.00	1	3 dominant stems with large "U" shaped unions at their base.	Fully protect and to be preserved.
644A	Norway Spruce	<i>Picea abies</i>	20	Dead	Dead	-	-	-	0	Dead.	Dead. Requested to be exempt from the bylaw.
645	Norway Spruce	<i>Picea abies</i>	43	Good	Fair - Good	2.5	3.0	\$26,500.00	1	Minor tip dieback.	Fully protect and to be preserved.
646	Norway Spruce	<i>Picea abies</i>	42	Good	Good	3.0	3.0	\$27,000.00	1	Specimen is in good health.	Fully protect and to be preserved.
647	Paper Birch	<i>Betula papyrifera</i>	32, 35 (67)	Fair	Fair	3.0	4.2	\$10,800.00	2	Co-dominant stemmed. Cavity on north stem that extend down to grade at approximately 1.5m. 7cm hanger in canopy. Old failures throughout, mainly on the leaders.	Fully protect and to be preserved.
647A	Cedar	<i>Thuja occidentalis</i>	12, 8, 15, 13, 12, 11 (71)	Fair - Good	Fair	2.0	4.8	\$17,500.00	2	Part of a hedge. Slightly sparse. Some small deadwood.	Fully protect and to be preserved.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
648	Black Ash	<i>Fraxinus nigra</i>	44	Fair	Fair	3.5	3.0	\$ 7,100.00	2	Cankering throughout and is extensive within the canopy. Epicormic growth throughout.	Requires a <b>permit to injure</b> to install new walkway.  Excavation will encroach as close as 2.4m from base. No structural roots are expected at this distance.  Exploratory excavation is required.
649	Paper Birch	<i>Betula papyrifera</i>	51, 39 (90)	Fair - Good	Fair	3.5	5.4	\$21,700.00	2	Crossing branch growth within canopy. Large pruning wounds approximately 20cm in diameter. Co-dominant stemmed at base. 8cm hanger.	Fully protect and to be preserved.
650	White Spruce	<i>Picea glauca</i>	47	Fair - Good	Fair - Good	3.0	3.0	\$34,500.00	1	Recent pruning wounds. Large cone production.	Fully protect and to be preserved.
651	White Spruce	<i>Picea glauca</i>	17	Fair	Fair - Good	2.0	1.8	-	0	Tip dieback. Possible infestation.	Not regulated under tree bylaws.
652	White Spruce	<i>Picea glauca</i>	23	Good	Fair - Good	2.5	2.4	-	1	Specimen is in good health.	Fully protect and to be preserved.
653	White Spruce	<i>Picea glauca</i>	32	Good	Fair - Good	2.0	2.4	-	1	Pitch mass borer. Large cone production. Weighted towards the north. South side appears to be stunted.	Fully protect and to be preserved.
653A	White Spruce	<i>Picea glauca</i>	22	Good	Good	1.0	2.4	-	1	Specimen is in good health.	Fully protect and to be preserved.
653B	White Spruce	<i>Picea glauca</i>	18	Good	Good	1.0	1.8	-	0	Specimen is in good health.	Not regulated under tree bylaws.
654	Linden	<i>Tilia cordata</i>	16	Good	Good	1.5	1.8	-	0	Specimen is in good health.	Not regulated under tree bylaws.
654A	Linden	<i>Tilia cordata</i>	15	Good	Good	1.5	1.8	-	0	Specimen is in good health.	Not regulated under tree bylaws.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
655	Silver Maple	<i>Acer saccharinum</i>	99	Fair - Poor	Poor	7.0	6.0	\$24,000.00	2	32cm cavity on north-west side due to removed stem. Multiple leaders that start at 2.0m above grade. Central stem is 80% dead. South side of trunk is decayed due to 40cm removed stem, and decay extends to grade. Bark is missing in areas of decay along trunk. Old vertical seam near base of tree.	Recommended for a <b>permit to remove</b> based on condition.
656	Norway Maple	<i>Acer platanoides</i>	53	Good	Fair - Good	5.0	3.6	\$18,300.00	1	Basal damage on west side of root flare. Deadwood throughout canopy. Vertical crack on one 15cm limb. 4cm hanger.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
657	Norway Maple	<i>Acer platanoides</i>	52	Good	Fair - Good	5.0	3.6	\$17,000.00	1	Some large deadwood. 3cm hanger. Tight unions.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
658	White Pine	<i>Pinus strobus</i>	47	Good	Fair	5.0	3.0	\$58,500.00	1	7cm hanger. Recent pruning wounds. Part of a cluster of trees. Canopy weighted towards the south.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
659	White Spruce	<i>Picea glauca</i>	38, 20 (58)	Good	Fair - Good	3.0	3.6	\$27,400.00	1	Co-dominant stemmed with secondary leaders at 0.5m from grade. Tight union with reaction wood.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
660	White Spruce	<i>Picea glauca</i>	23	Fair	Fair - Good	3.0	2.4	-	1	Sparse due to competition.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
661	White Spruce	<i>Picea glauca</i>	45	Fair - Good	Fair - Good	5.0	3.0	\$29,000.00	1	Prominent and large surface roots extending towards the west.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
662	White Spruce	<i>Picea glauca</i>	25	Fair	Fair - Good	3.0	2.4	-	1	Competition from surrounding trees.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
663	White Spruce	<i>Picea glauca</i>	25	Fair - Good	Fair - Good	2.5	2.4	-	1	Competition from surrounding trees.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
664	White Spruce	<i>Picea glauca</i>	31, 35 (66)	Fair - Good	Fair - Good	3.0	4.2	\$32,700.00	1	Prominent surface roots towards the west. Co-dominant stemmed at 0.6m with reaction wood at its union.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
665	Honey Locust	<i>Gleditsia triacanthos</i>	45	Good	Fair - Good	5.0	3.0	\$15,400.00	1	Small deadwood throughout. Torsion crack on one 10cm scaffolding limb.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
666	White Spruce	<i>Picea glauca</i>	37	Good	Good	3.0	2.4	-	1	Pitch mass. Minor tip dieback.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
667	White Spruce	<i>Picea glauca</i>	51	Fair - Good	Good	4.0	3.6	\$38,500.00	1	Large cone production. Some tip dieback.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
668	White Spruce	<i>Picea glauca</i>	28, 22 (50)	Fair - Good	Fair - Good	4.0	3.0	\$18,500.00	1	Co-dominant at 0.6m above grade with reaction wood. Tight "V" union.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
669	White Spruce	<i>Picea glauca</i>	36	Good	Fair - Good	3.0	2.4	-	1	Specimen is in good health.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
670	White Spruce	<i>Picea glauca</i>	26	Fair - Good	Fair - Good	3.0	2.4	-	1	Large cone production.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
671	White Spruce	<i>Picea glauca</i>	22, 28 (50)	Fair - Good	Fair - Good	3.5	3.5	\$17,300.00	1	Girdling root. Co-dominant at 0.4m from base.	Requires a <b>permit to remove</b> for new condominium and underground parking.  Within footprint.
672	Cedar	<i>Thuja occidentalis</i>	21	Fair	Fair - Poor	3.5	2.4	-	1	Secondary leader at base. Missing top.	Fully protect and to be preserved.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
673	Cedar	<i>Thuja occidentalis</i>	27, 31 (58)	Fair	Fair	3.0	3.6	\$35,000.00	1	Co-dominant stemmed at 0.3m from base. Small branch failure.	Fully protect and to be preserved.
674	Cedar	<i>Thuja occidentalis</i>	9, 23 (32)	Fair	Fair	2.5	2.4	-	1	One dead stem.	Fully protect and to be preserved.
675	Cedar	<i>Thuja occidentalis</i>	22	Fair - Poor	Fair - Poor	2.5	2.4	-	1	Top dieback. Sparse.	Fully protect and to be preserved.
676	Cedar	<i>Thuja occidentalis</i>	19, 27 (46)	Poor	Poor	3.0	3.0	\$10,800.00	1	70% dead. Co-dominant stemmed. Dead top.	Fully protect and to be preserved.
677	Cedar	<i>Thuja occidentalis</i>	24, 24, 22 (70)	Fair - Poor	Fair	4.0	4.2	\$13,400.00	1	Multiple stems. Branches overhang adjacent shed. Some top dieback.	Fully protect and to be preserved.
678	Cedar	<i>Thuja occidentalis</i>	22	Poor	Poor	1.0	2.4	-	1	50% of bark along trunk is missing. 60% deceased.	Fully protect and to be preserved.
678A	Cedar	<i>Thuja occidentalis</i>	21	Dead	Dead	-	-	-	0	Dead.	Dead. Requested to be exempt from the bylaw.
679	Cedar	<i>Thuja occidentalis</i>	23	Fair	Fair	3.0	2.4	-	1	Top grows into adjacent Black Walnut.	Fully protect and to be preserved.
679A	Cedar	<i>Thuja occidentalis</i>	19	Dead	Dead	-	-	-	0	Dead.	Dead. Not regulated under tree bylaws.
680	Cedar	<i>Thuja occidentalis</i>	20	Fair	Fair	4.0	2.4	-	1	Twisted growth with missing bark along trunk, with signs of decay. Leans towards the south.	Fully protect and to be preserved.
681	Black Walnut	<i>Juglans nigra</i>	67	Good	Fair	7.0	4.2	\$36,700.00	1	20cm diameter scaffolding limb failure on the west side and is lodged in surrounding cedar trees.	Fully protect and to be preserved.
682	Cedar	<i>Thuja occidentalis</i>	29	Fair - Poor	Fair	3.0	2.4	-	1	Dead top.	Fully protect. Unaffected by proposed work.
683	Cedar	<i>Thuja occidentalis</i>	19, 20 (39)	Poor	Poor	2.0	2.4	-	1	Co-dominant stemmed with one dead stem. Remaining stem has lost 60% of its bark and a dead top. Overall tree is 60% dead.	Fully protect. Unaffected by proposed work.
684	Cedar	<i>Thuja occidentalis</i>	20	Fair - Poor	Fair	3.0	2.4	-	1	Top dieback. Metal bar lodge in scaffolding branches.	Fully protect. Unaffected by proposed work.
685	Cedar	<i>Thuja occidentalis</i>	30	Poor	Poor	3.0	2.4	-	1	Top dieback. Metal bar lodged in scaffolding branches. Vertical crack extending down from co-dominant union.	Fully protect. Unaffected by proposed work.
686	Cedar	<i>Thuja occidentalis</i>	21	Poor	Poor	3.0	2.4	-	1	60% dead. A perfect circle of decay at base of tree.	Fully protect. Unaffected by proposed work.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
687	Cedar	<i>Thuja occidentalis</i>	18	Poor	Fair - Poor	2.0	1.8	-	0	50% of bark missing.	Not regulated under tree bylaws.
688	Cedar	<i>Thuja occidentalis</i>	23	Poor	Poor	1.0	2.4	-	1	90% dead. Woodpecker hole on trunk serving as habitat.	Fully protect. Unaffected by proposed work.
689	Black Cherry	<i>Prunus serotina</i>	74	Poor	Poor	6.0	4.8	\$21,400.00	1	Basal damage. Multiple failures within the canopy. 10cm hanger in canopy. Decay on northern side of trunk from an old 20cm removed stem. Only live growth is predominantly composed of epicormic growth. Tight "V" shaped main union.	Fully protect and to be preserved.  Recommended to be considered for removal.
690	Cedar	<i>Thuja occidentalis</i>	24, 21, 14 (59)	Fair	Fair	3.5	3.6	\$25,300.00	1	Multi-stemmed. Included.	Fully protect. Unaffected by proposed work.
691	Cedar	<i>Thuja occidentalis</i>	24	Fair	Fair	3.0	2.4	-	1	Squirrel nest in canopy.	Fully protect. Unaffected by proposed work.
692	Cedar	<i>Thuja occidentalis</i>	22, 16 (38)	Fair	Fair	3.5	2.4	-	1	Co-dominant stemmed at 1.2m from grade.	Fully protect. Unaffected by proposed work.
693	Ivory Silk Lilac	<i>Syringa reticulata</i>	20	Fair - Good	Fair - Good	2.0	2.4	-	1	Basal damage. Some deadwood.	Fully protect and to be preserved.
693A	Crabapple	<i>Malus sp.</i>	16	Fair	Fair	2.0	1.8	\$ 1,390.00	5	Epicormic growth throughout.	Requires a <b>permit to remove</b> to install new service lines.  Within footprint.
693B	Crabapple	<i>Malus sp.</i>	18	Fair	Fair	2.0	1.8	\$ 1,760.00	5	Epicormic growth throughout.	Requires a <b>permit to injure</b> to install new service lines.  Excavation up to 1.5m from base. No structural roots are expected.  Exploratory excavation is recommended.
693C	Norway Maple	<i>Acer platanoides</i>	30	Fair	Poor	3.0	2.4	\$ 3,710.00	5	Used to be a co-dominant stemmed tree, but one of the co-dominant stems has failed and sheared off half the trunk circumference.	Fully protect and to be preserved.
693D	Buckthorn	<i>Rhamnus cathartica</i>	~18	Fair	Fair - Poor	2.0	1.8	\$ 520.00	5	Failed 8cm stem.	Fully protect and to be preserved.

Tree #	Common	Scientific	DBH (cm)	Health	Structure	Dripline (m)	Minimum TPZ (m)	Appraised Value	Category #	Assessment	Comments
693E	Black Walnut	<i>Juglans nigra</i>	20	Good	Fair - Good	3.0	2.4	\$ 1,770.00	5	Specimen is in good health.	Fully protect and to be preserved.
693F	Norway Maple	<i>Acer platanoides</i>	41	Good	Fair	3.5	3.0	\$11,200.00	5	Vertical crack with a seam on the south side of the trunk; extends from down from the main union by 1.5m. Co-dominant stemmed.	Fully protect and to be preserved.
693G	Norway Maple	<i>Acer platanoides</i>	33	Fair - Good	Fair - Good	3.5	2.4	\$ 7,500.00	5	Some deadwood throughout. Epicormic growth throughout.	Fully protect and to be preserved.
693H	Norway Maple	<i>Acer platanoides</i>	35	Good	Fair - Good	3.5	2.4	\$ 8,400.00	5	Some deadwood throughout. Tight unions.	Fully protect and to be preserved.
693I	Norway Maple	<i>Acer platanoides</i>	39	Fair	Fair - Poor	3.5	2.4	\$ 7,700.00	5	Used to be a co-dominant stemmed tree, but one of the stems has failed causing a large tear down the trunk. Good reaction wood at point of failure to seal over the decay. Epicormic growth throughout.	Requires a <b>permit to remove</b> for new road entrance.  Excavation up to 2.0m from base of tree.  Not expected to tolerate the impact due to large wound on trunk.
693J	Norway Maple	<i>Acer platanoides</i>	30	Fair - Good	Fair - Good	3.0	2.4	\$ 6,200.00	5	Some small deadwood. Interference from nearby trees.	Fully protect and to be preserved.
693K	Norway Maple	<i>Acer platanoides</i>	28	Fair	Fair	2.5	2.4	\$ 4,310.00	5	Co-dominant stemmed. Possible columnar variety. Stunted bud progression.	Fully protect and to be preserved.
693L	Norway Maple	<i>Acer platanoides</i>	38	Fair - Good	Fair	3.5	2.4	\$ 8,900.00	5	Co-dominant stemmed with an included union. Some epicormic growth.	Fully protect and to be preserved.
693M	Norway Maple	<i>Acer platanoides</i>	36	Good	Fair - Good	3.5	2.4	\$ 8,900.00	5	Co-dominant stemmed. 3cm hanger.	Fully protect and to be preserved.

\*Trees 564, 602A, 609 – 611, 614, 617, 626, 628, 629A, 647A, 682, 692, 693D, and 693E were all plotted by hand to an approximate location.

\*\*Number in brackets represent total DBH based on Markham's multi-stem calculation of adding the sum of all DBHs of each stem.

Category #:

0. Tree NOT regulated under City of Markham Tree by-laws
1. Trees with diameters of 20cm or more, situated on private property on the subject site.
2. Trees with diameters of 20cm or more, situated on private property, within 6m of subject site.
3. Trees of all diameters situated on City owned parkland within 6m of subject site.
4. Trees of all diameters situated within naturalized lands.
5. Trees of all diameters situated within the City road allowance adjacent to the subject site.
6. Trees of all diameters situated within the City road allowance adjacent to a neighbouring property.



**REPLACEMENT PLANTING**

To serve as a guide for the replacement tree ratios in the City of Markham, the ratio for each permit-sized tree removed is as follows:

<b>DBH of Tree Removed</b>	<b>Replacement Ratio</b>
40cm and under	2:1
41cm – 60cm	3:1
61cm – 80cm	4:1
81cm and greater	5:1

Privately-owned trees proposed for removal based on construction:

<b>Private Tree #</b>	<b>DBH (cm)</b>	<b>Replacement Trees Required</b>
502	32	2
503	42	3
504	74	4
505	23	2
506	36	2
507	53	3
508	28	2
509	31	2
511	28	2
512	52	3
514	42	3
515	30	2
517	20	2
518	20	2
522	21	2
526	25	2
538	22	2
539	25	2
542	23	2
544	20	2
547	21	2
550	21	2
551	24	2
553	24	2
554	21	2
555	22	2
556	24	2
558	31	2
559	21	2
560	27	2
563	30	2
565	28	2
566	30	2
568	52	3
570	24	2
571	23	2
572	21	2
573	24	2
574	23	2
576	34	2
577	26	2
578	20	2
580	27	2
581	23	2
582	22	2
583	27	2
584	33	2
585	37	2
586	20	2
587	25	2
588	25	2

Private Tree #	DBH (cm)	Replacement Trees Required
590	22	2
591	21	2
592	24	2
614	24	2
615	37	2
616	61	4
617	32	2
618	45	3
656	53	3
657	52	3
658	47	3
659	58	3
660	23	2
661	45	3
662	25	2
663	25	2
664	66	4
665	45	3
666	37	2
667	51	3
668	50	3
669	36	2
670	26	2
671	50	3
<b>Total Replacements:</b>		<b>171</b>

Privately-owned trees proposed for removal based on condition:

Private Tree #	DBH (cm)	Replacement Trees Required
655	99	5
<b>Total Replacements:</b>		<b>5</b>

City-owned tree proposed for removal based on construction:

City Tree #	DBH (cm)	Replacement Trees Required
693A	16	2
693I	39	2
<b>Total Replacements:</b>		<b>4</b>

For the removal of seventy-eight (78) permit-sized trees, a total of **on-hundred eighty (180) large growing, deciduous replacement trees** with a minimum caliper of 60mm are required to be planted; however, the final total of replacement trees required as compensation is subject to the discretion of the planner. A list of approved trees will be provided by the City of Markham as "Post-Conditions of the Permit."

The replacement trees are to be planted on the subject property within one (1) month of the completion of all work on site during an acceptable planting season (spring/fall). If there is insufficient space, a cash-in-lieu payment of \$600.00 can be made for each replacement tree not planted.

**SUMMARY**

The owner of the north-east corner of 7859 Yonge Street is proposing the construction of a 12-storey condominium and 15-storey condominium with underground parking. Land towards the north is slated to be given to the city and converted into a park at a later date.

To facilitate the proposed work:

- **Two (2) privately-owned trees will require a permit to injure**
- **Seventy-seven (77) privately-owned trees will require a permit to remove**
- **One (1) city-owned tree will require a permit to injure**
- **Two (2) city-owned trees will require a permit to remove**
- **One (1) privately-owned tree is requested for a permit to remove**

As compensation, a total of **one-hundred eighty (180) trees are required to be planted.**

If you have any questions or concerns, please feel free to contact me at [elissa@centraltreecare.com](mailto:elissa@centraltreecare.com).

Thank you,

Mike Spencley                    ON-1379A  
c/o Elissa Chu                    ON-2185A  
c/o Alexandria Leung            ON-2194A  
Central Tree Care Ltd.



ON-1379A

## **APPENDIX I: RECOMMENDATIONS**

### **Recommendations for Exploratory Excavation**

Under the currently proposed site plan, an exploratory excavation must first be conducted to evaluate the impact for the proposed work to **Trees #635, 648, 693B**

- A qualified arborist must be on site for the complete duration of each excavation. It is the arborist's duty to instruct the laborers and minimize damage to the tree.
- The arborist is also responsible for all root pruning, and to promote 'working around' roots whenever possible.
- Roots within the proposed work area shall first be exposed prior any root pruning is to take place
- All root pruning is to be conducted to proper arboricultural standards with sharp, sanitized tools and exposed roots to be recovered with parent soil
- All excavation/digging is to be done by hand or air spade to the depth of the required work (0.4m for the depth of the walkway, and a minimum of 0.9m for the excavation of the new condominium)
- If roots measuring a minimum of 5cm in diameter or if a large mass of roots are found, the impact of the proposed work shall be evaluated with Urban Forestry
- All excavation within the minimum TPZ of a protected tree is to be documented; a report of the findings should then be submitted to Urban Forestry

### **Recommendations for Walkway Installation**

All walkways and base material within the minimum Tree Protection Zone must be constructed using inert materials, such as crushed granite, with permeable on top to allow for water to penetrate into the root zone, and to avoid altering soil pH that would cause an unfavorable environment for trees and other vegetation.

### Recommendations for Hoarding

Hoarding must be installed by a qualified contractor and put in place as accurately as possible using the scale plan as the reference. It must conform to the recommendation put forth by the City of Markham and recommendations within this report. All the protective fencing must be maintained throughout the construction project and its removal must be approved by the Forestry planner. All hoarding must be installed before demolition or construction commences and approved by the Forestry planner.

The TPZ is established on construction sites to help protect the trees from

- Alteration of existing grades
- Changes in grade by excavating and scraping
- Movement of construction vehicles and people
- Disposal of foreign materials
- Storage of waste of construction materials

The tree protection barriers can be constructed from:

- 4ft. high plywood hoarding that can be lowered around limbs, with the supports on the outside
- 4ft. high orange plastic snow fence on a 2"X 4" frame work, this is recommended were visibility is an issue This is recommended for city trees
- If fill or excavates are going to be placed near the plastic fence a plywood barrier must be used to stop these materials from entering the TPZ.
- For minimizing compaction within the TPZ, horizontal plywood hoarding may be used. Horizontal hoarding consists of landscape fabric applied to grade, 30cm layer of mulch, and two layers of plywood secured together above the mulch.
- For more information on the construction of a tree protection zone please see the City of Markham's forestry's web site and go to By-laws and Policies.

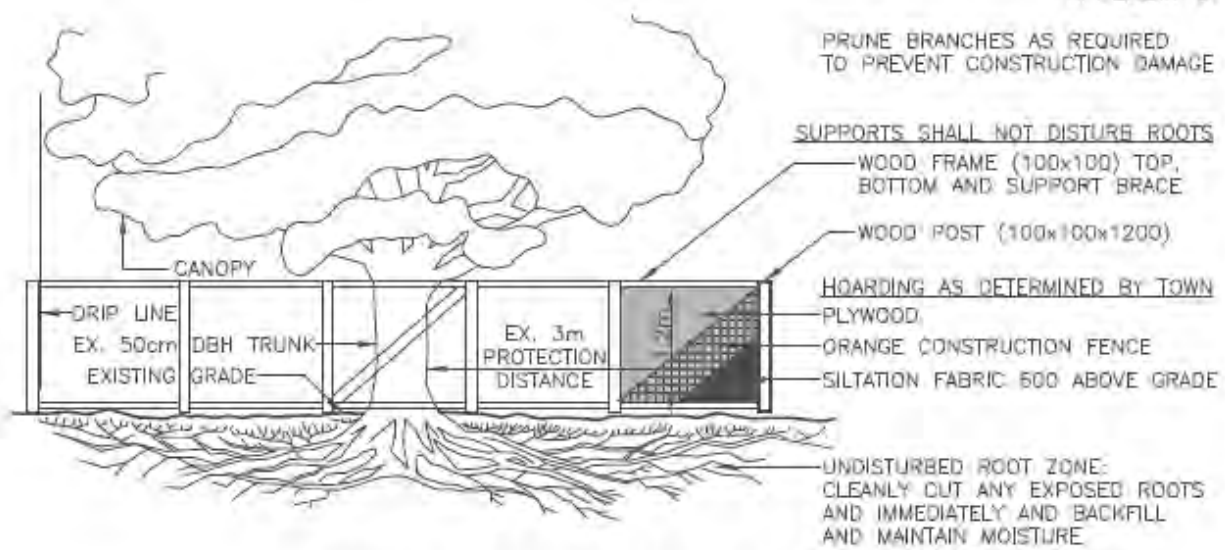
Tree protection signage:

- This sign will be mounted on each TPZ and should be a minimum of 40cm x 60cm and made on white gator board.
- The sign must say in bold letters as a heading: Tree Protection Zone (TPZ) the rest of the text is as follows: No grade changes, storage of materials or equipment is permitted within this TPZ. Tree protection barriers must not be removed without written authorization of the City of Markham. For info call the City of Markham at 905-477-7000, or the project consultant at 647-500-9669.

Implementation of protection:

- All TPZ must be erected before any type of construction commences on the subject site.
- Before construction begins the TPZ must be inspected by city forestry staff and the consulting arborist.
- Before any digging commences around a tree subject to injury by permit, the consulting arborist must be informed.
- To dig near a tree subject to injury by permit the consulting arborist must be on site to supervise the excavation.
- Hoarding cannot be removed until all construction is finished

APPENDIX C.




MINIMUM TREE PROTECTION DISTANCE FROM TRUNK:

< 10cm DBH	1.2m
10-29cm DBH	1.8m
30-40cm DBH	2.4m
41-50cm DBH	3.0m
51-60cm DBH	3.6m
61-70cm DBH	4.2m
71-80cm DBH	4.8m
81-90cm DBH	5.4m
91-100cm DBH	6.0m
> 100cm DBH	6cm/1cm#

(DIAMETER AT BRESTAIGHT) DBH = TRUNK DIAMETER AT 1.4m HEIGHT

40cmx60cm SIGN MOUNTED ON ALL SIDES OF BARRIER



**TREE PROTECTION ZONE**

NO WORK IS PERMITTED WITHIN THE TREE PROTECTION ZONE INCLUDING GRADING, CONSTRUCTION ACCESS AND MATERIAL STORAGE.

BREACH OF TREE PROTECTION ZONE IS SUBJECT TO A FINE OF \$ \_\_\_\_\_

CONTACT TOWN OF MARKHAM FOR MORE INFORMATION: 905-477-5530

TREE PROTECTION NOTES:

1. ALL TREE PROTECTION BARRIERS SHALL BE IN PLACE AND APPROVED BY THE TOWN PRIOR TO CONSTRUCTION ACCESS.
2. ALL SUPPORTS AND STAKES SHALL BE OUTSIDE THE TREE PROTECTION ZONE AND SHALL MINIMIZE ROOT DAMAGE.
3. TREE PROTECTION BARRIERS SHALL REMAIN IN PLACE AND IN GOOD CONDITION UNTIL ALL CONSTRUCTION IS COMPLETE AND APPROVED BY THE TOWN.
4. ALL ARBORICULTURE WORK SUCH AS PRUNING OF BRANCHES AND ROOTS, SHALL BE DONE BY A QUALIFIED TREE WORKER CERTIFIED WITH THE INTERNATIONAL SOCIETY OF ARBORICULTRE APPROVED BY THE TOWN.

**TREE PRESERVATION DETAILS**

  
**THE CORPORATION OF THE TOWN OF MARKHAM**

SCALE:

N.T.S.

DATE:

JUNE 2009

DRAWING No.

T-1



**APPENDIX II: SITE PHOTOS**

**Photo 1:** (From right to left) Trees 501 – 512.



**Photo 2:** (From right to left) Trees 512 - 527.





**Photo 3:** Closer view of Trees 512 and 513.



**Photo 4:** (From right to left) Trees 656 – 664, and Trees 520 – 526.





**Photo 5:** (From right to left) Trees 656 – 666, and Trees 525 – 552 in the back.



**Photo 6:** (From right to left) Trees 657 – 671.





**Photo 7:** (From right to left) Trees 657 – 665, and Trees 542 – 568 in the back.



**Photo 8:** (From right to left) Trees 665 – 671, and Trees 565 – 590 in the back.





**Photo 9:** (From right to left) Trees 672 – 692, and Trees 590 – 606 in the back.



**Photo 10:** (From right to left) Trees 689 – 693, and trees 607 - 619.





**Photo 11:** (From right to left) Trees 607 - 624.



**Photo 12:** (From right to left) Trees 623 - 629A.





Photo 13: Alternate angle showing tree 629.



Photo 14: (From right to left) Trees 630 - 635.





Photo 15: Trees 636 - 646.



Photo 16: (From right to left) Trees 647, 647A, and 648.





**Photo 17:** (From right to left) Trees 647 - 653.



**Photo 18:** (From right to left) Trees 649 - 653B.





**Photo 19:** (From right to left) Trees 654 - 655.



**Photo 20:** (From right to left) Trees 693A and 693B.





Photo 21: Tree 693C.



Photo 22: (From right to left) Trees 693C and 693D.





**Photo 23:** (From right to left) Trees 693E and 693F.



**Photo 24:** (From right to left) Trees 693F and 693G.





Photo x: (From right to left) Trees 693G and 693H.



Photo x: (From right to left) Trees 693H and 693I.





Photo x: (From right to left) Trees 693J and 693K.



Photo x: (From right to left) Trees 693K and 693L.





Photo x: (From right to left) Trees 693L and 693M.

