

Site: 5209 Stonehaven Dr

Existing Tree Information					Replacement Tree Information		Condition Factors			
Tree Number	Common Name	DBH (cm)	Condition Rating (%)		Comments	# of 50 mm trees required	Prelim tree security Value	Avg Condition Rating (Health & Structure)	Construction Risk Factor (see below)	Security Value
			Health	Structure						
1	Honey Locust	16	80%	80%	epicormic, damage to root flare on v	3	\$ 1,600.00	80%	100%	\$ 1,280.00
2	Honey Locust	24	95%	95%		5	\$ 2,400.00	95%	100%	\$ 2,280.00
3	Honey Locust	18	80%	85%	buried, epicormic	4	\$ 1,800.00	83%	100%	\$ 1,485.00
5		0	0%	0%		0	\$ -	0%	0%	\$ -
6		0	0%	0%		0	\$ -	0%	0%	\$ -
7		0	0%	0%		0	\$ -	0%	0%	\$ -
8		0	0%	0%		0	\$ -	0%	0%	\$ -
9		0	0%	0%		0	\$ -	0%	0%	\$ -
10		0	0%	0%		0	\$ -	0%	0%	\$ -

\$ 5,100.00

Security Calculation: (Aggregate Caliper Formula)

1. DBH / 5cm = # of trees req. to replace
2. # of trees req. to replace X \$500 (cost of replacement) = Preliminary Security Value
3. Preliminary Security Value X Condition of Tree Factor X Risk Factor = Final Tree Security Value

Tree Condition Considerations

Based on Tree Condition Assessment in GIS Inventory and Observations during Site Visit

Rating:	Factor:	
Excellent	90-100%	
Good	70-89%	*Security is rounded to the nearest \$100.
Fair	50-69%	**Security Spreadsheet used at risk 100% for removals.
Poor	25-49%	
Very Poor	0-24%	

Construction Risk to Trees

Construction risk to trees is assessed by considering the following on a site by site basis: materials storage, existing and proposed utility and services installation, proposed grading, other impacts on critical root zone or the minimum tree protection zone.

Low Risk Factor (0-25% of Assessed Value):

- No work inside TPZ or CRZ (including grading, excavation, servicing, etc);
- No risk from construction traffic in CRZ;
- Hoarding shown on plan and installed as per SS12.
- Sliding scale based on proximity of tree (TPZ and CRZ) to construction area.

Medium Risk Factor (26-50% of Assessed Value):

- No work inside TPZ (including grading, excavation, servicing, etc);
- Minimal work occurring within the CRZ (impacting less than 10% of the CRZ area, including grading, excavation, servicing, etc)*;
- Risk from construction traffic/works within CRZ*;
- Hoarding shown on plan and installed as per SS12.

Medium-High Risk Factor (51-75% of Assessed Value):

- No work inside TPZ (including grading, excavation, servicing, etc);
- Work occurring within CRZ (impacting more than 10% of the CRZ including grading, excavation, servicing, etc)*;
- Risk from construction traffic/works within CRZ*;
- Arborist report not required but provided;
- Hoarding shown on plan and installed as per SS12.

High Risk Factor (76-100% of Assessed Value):

- Work inside TPZ (including grading, excavation, servicing, etc); only occurring under supervision of qualified ISA Certified Arborist
- Risk from construction traffic/works within TPZ and CRZ*;
- Arborist report required and provided;
- Hoarding shown on plan and installed outside of SS12 specification, with confirmation from City Arborist or Applicant's Certified Arborist.

*Risk can be reduced through use of mitigating actions (eg. Greater tree hoarding area to encompass remaining CRZ; Pre-Construction Root Pruning in the CRZ performed under the supervision of a Certified Arborist; Providing 2-4" of mulch placed on a geotextile sheet to protect soils in the CRZ from compaction caused by construction equipment and material

CRZ – Critical Root Zone

MTPZ – Minimum Tree Protection Zone

- Please refer to the City of Burlington Tree Protection and Preservation Specification SS12A, available on-line for further information and tree protection requirements.
- Please refer to the City of Burlington Public Tree Bylaw 68-2013 for further information on your responsibility to protect city trees.