<table>
<thead>
<tr>
<th>Tree Number</th>
<th>Common Name</th>
<th>DBH (cm)</th>
<th>Condition Rating (%)</th>
<th>Comments</th>
<th># of 50 mm trees required</th>
<th>Prelim tree security Value</th>
<th>Avg Condition Rating</th>
<th>Construction Risk Factor</th>
<th>Final Tree Security Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Honey Locust</td>
<td>16</td>
<td>80%</td>
<td>80% epicormic, damage to root flare on w side</td>
<td>3 $ 1,600.00</td>
<td>80% 100%</td>
<td>$ 1,280.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Honey Locust</td>
<td>24</td>
<td>90%</td>
<td>95%</td>
<td>4 $ 2,400.00</td>
<td>90% 100%</td>
<td>$ 2,280.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Honey Locust</td>
<td>18</td>
<td>80%</td>
<td>85% buried, epicormic</td>
<td>4 $ 1,800.00</td>
<td>83% 100%</td>
<td>$ 1,485.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0%</td>
<td>0%</td>
<td>0 $ -</td>
<td>0% 0%</td>
<td>$ -</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>0</td>
<td>0</td>
<td>0%</td>
<td>0%</td>
<td>0 $ -</td>
<td>0% 0%</td>
<td>$ -</td>
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<tr>
<td>7</td>
<td>0</td>
<td>0</td>
<td>0%</td>
<td>0%</td>
<td>0 $ -</td>
<td>0% 0%</td>
<td>$ -</td>
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<tr>
<td>8</td>
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<td>0%</td>
<td>0%</td>
<td>0 $ -</td>
<td>0% 0%</td>
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<tr>
<td>9</td>
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<td>0%</td>
<td>0%</td>
<td>0 $ -</td>
<td>0% 0%</td>
<td>$ -</td>
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<td></td>
</tr>
<tr>
<td>10</td>
<td>0</td>
<td>0</td>
<td>0%</td>
<td>0%</td>
<td>0 $ -</td>
<td>0% 0%</td>
<td>$ -</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Security Calculation: (Aggregate Caliper Formula)

1. $DBH/5cm = # of trees req. to replace
2. # of trees req. X $500 (cost of replacement) = Preliminary 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%
Poor 25-49% **Security Spreadsheet used at risk 100% for removals.
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 outside of SS12 specification, with confirmation from City Arborist or Applicant’s Certified Arborist.

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.