Tree Health Evaluation Form must be completed by a certified arborist. One evaluation form per tree.

**Site/Address:** __________________________  **Map/Location:** __________________________  **Date:** __________

**Arborist Name:** __________________________  **Arborist Certification #:** __________________________  **Date of Last Inspection:** __________

**I. Tree Characteristics**

**Tree #:** __________  **Species:** __________________________

**DBH:** __________  **# of Trunks:** __________  **Height:** __________  **Spread:** __________

**Form:**
- [ ] Generally Symmetric
- [ ] Minor Asymmetry
- [ ] Major Asymmetry
- [ ] Stump Sprout
- [ ] Stag-headed

**Crown Class:**
- [ ] Dominant
- [ ] Co-Dominant
- [ ] Intermediate
- [ ] Suppressed

**Live Crown Ratio:** __________

**Age Class:**
- [ ] Young
- [ ] Semi-Mature
- [ ] Mature
- [ ] Over-Mature/Senescent

**Pruning History:**
- [ ] Crown cleaned
- [ ] Excessively Thinned
- [ ] Topped
- [ ] Crown Raised
- [ ] Crown Reduced
- [ ] Flush Cuts
- [ ] Pollarded
- [ ] None
- [ ] Cabled/braced
- [ ] Multiple Pruning Events

**Approximate Dates:**

**Special Value:**
- [ ] Specimen
- [ ] Heritage/Historic
- [ ] Wildlife
- [ ] Unusual
- [ ] Street Tree
- [ ] Screen
- [ ] Shade
- [ ] Indigenous
- [ ] Protected by Government Agency

**II. Tree Health**

**Foliage Color:**
- [ ] Normal
- [ ] Chlorotic
- [ ] Necrotic

**Foliage Density:**
- [ ] Normal
- [ ] Sparse
- [ ] [ ] EPICORMICS?  Y  N

**Leaf Size:**
- [ ] Normal
- [ ] Small
- [ ] TWIG DIEBACK?  Y  N

**Annual Shoot Growth:**
- [ ] Excellent
- [ ] Average
- [ ] Poor

**Woundwood Development:**
- [ ] Excellent
- [ ] Average
- [ ] Poor
- [ ] None

**Vigor Class:**
- [ ] Excellent
- [ ] Average
- [ ] Fair
- [ ] Poor

**Growth Obstructions:**
- [ ] Stakes
- [ ] Wires/ties
- [ ] Signs
- [ ] Cables
- [ ] Guard
- [ ] Curb/Pavement
- [ ] Other: __________________________

**Major Pests/Diseases:**

**III. Site Conditions**

**Site Character:**
- [ ] Residence
- [ ] Commercial
- [ ] Industrial
- [ ] Park
- [ ] Natural
- [ ] Woodland/Forest
- [ ] Open Space
- [ ] Parkway
- [ ] Raised Bed
- [ ] Container
- [ ] Mound
- [ ] Lawn
- [ ] Shrub Border
- [ ] Windbreak

**Irrigation:**
- [ ] None
- [ ] Inadequate
- [ ] Adequate
- [ ] Trunk wetted
- [ ] Excessive

**Recent Site Disturbance?**  Y  N
- [ ] Construction
- [ ] Soil Disturbance
- [ ] Grade Change
- [ ] Line clearing
- [ ] Site Clearing

**% Driveline Paved:**
- 0%  10-25%  26-50%  51-75%  76-100%  PAVEMENT LIFTED?  Y  N

**% Driveline with Fill Soil:**
- 0%  10-25%  26-50%  51-75%  76-100%

**% Driveline Grade Lowered:**
- 0%  10-25%  26-50%  51-75%  76-100%
III. Site Conditions, Continued

Soil Problems:
- □ Drainage
- □ Shallow
- □ Compacted
- □ Droughty
- □ Alkaline
- □ Acidic
- □ Small Volume
- □ Disease Center
- □ Saline
- □ Clay
- □ Expansive
- □ Slope
- □ Aspect

Obstructions:
- □ Lights
- □ Signage
- □ Underground Utilities
- □ Line-of-Sight
- □ View
- □ Traffic
- □ Overland Lines
- □ Adjacent Vegetation

Exposure to Wind:
- □ Single Tree
- □ Below Canopy
- □ Above Canopy
- □ Recently Exposed
- □ Windward, Canopy Edge
- □ Area prone to windthrow

Prevailing Wind Direction: ___________
Occurrence of Snow/Ice Storms: □ Never □ Seldom □ Regularly

IV. Tree Structure

Roots:

Suspected Root Rot: Y N
Mushroom/Conk/Bracket Present: Y N
ID: ___________

Exposed Roots:
- □ Severe
- □ Moderate
- □ Low

Undermined:
- □ Severe
- □ Moderate
- □ Low

Root Pruned:
- _______ Distance from trunk

Root Area Affected: _______%

Bustress Wounded: Y N
When: ___________

Restricted Root Area:
- □ Severe
- □ Moderate
- □ Low

Lean:
- □ Natural
- □ Unnatural
- □ Self-corrected

Decay in Plane of Lean: Y N

Roots Broken: Y N

Soil Cracking: Y N

Soil Heaving: Y N

Compounding Factors: ________________

Lean Severity:
- □ Severe
- □ Moderate
- □ Low

Crown:

Indicate presence of individual defect’s location (root crown, trunk, scaffolds, branches) & rate their severity (S=severe, H=high, M= moderate, L= low)

<table>
<thead>
<tr>
<th>Defect</th>
<th>Defect Area</th>
<th>Defect Severity</th>
<th>Defect</th>
<th>Defect Area</th>
<th>Defect Severity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poor Taper</td>
<td>Decay</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bow, Sweep</td>
<td>Cavity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Co-Dominants, Forks</td>
<td>Conks/Mushroom/Bracket</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multiple Attachments</td>
<td>Bleeding/Sap Flow</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Included Bark</td>
<td>Loose/Cracked Bark</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excessive End Weight</td>
<td>Nesting Hole/Bee Hive</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cracks/Splits</td>
<td>Deadwood/Stubs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hangers</td>
<td>Borers/termite/ants</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Girdling</td>
<td>Cankers/Galls/Burl</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wounds/Seam</td>
<td>Previous Failure</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

V. Risk Rating

Size of Defective Part

<table>
<thead>
<tr>
<th>1 Point</th>
<th>2 Points</th>
<th>3 Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parts less than 4 inches in diameter</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2 Points</th>
<th>Parts from 4 to 20 inches in diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Points</td>
<td>Parts greater than 20 inches in diameter</td>
</tr>
</tbody>
</table>

Description & Comments: ________________________________

Other Risk Factors

□ 0 Points □ 1 Point □ 2 Points

This category can be used if professional judgment suggests the need to increase the risk rating. It can also be used if the tree is likely to fail before the next scheduled risk inspection.
**V. Risk Rating, Continued**

**Description & Severity:**

---

**Tree Part Most Likely to Fail:**

**Inspection Period:** annual, biannual, other

**Probability of Failure**

- 1 Point
- 2 Points
- 3 Points
- 4 Points

**Point Risk**

<table>
<thead>
<tr>
<th>Point</th>
<th>Risk</th>
<th>Description</th>
<th>Part Description</th>
</tr>
</thead>
</table>
| 1     | Low    | Some minor defects | • Minor branch/crown dieback  
• Minor defects or wounds |
| 2     | Moderate | Several moderate defects present | • Indicators of advanced decay are found on 25-40% of circumference of any stem, branch, or root collar.  
• Shell thickness is >1 and <2 inches of sound wood for each 6 inches of stem diameter and stem has opening < 30% of stem circumference.  
• Stem has a single crack and decay  
• Roots within the area defined by the Critical Root Radius are less than or equal to 40% damaged, decayed, severed, or dead.  
• Branch union has included bark.  
• Canker or canker plus decay affect 25-40% of tree's circumference  
• Branch has a sharp bend or twist.  
• Large horizontal branch with several vertical branches on it. |
| 3     | High   | Multiple or significant defects present | • Indicators of advanced decay are found on more than 40% of the circumference of any stem, branch or root collar.  
• Stem has advanced decay and the shell thickness is either less than 1 inch of sound wood for each 6 inches of stem diameter, or stem has opening greater than 30% of the stem circumference and shell thickness is less than 2 inches of sound wood for each 6 inches of stem diameter.  
• Stem is split in two by a crack or branch has a crack.  
• Stem segment has multiple cracks and decay.  
• Leaning tree with recent evidence of root lifting, soil movement or soil mounding.  
• Roots within the area defined by the Critical Root Radius are more than 40% damaged, decayed, severed, or dead.  
• Weak union is also cracked, cankered, or decayed.  
• Large epicormic branch on decaying stem.  
• Canker or canker plus decay affect more than 40% of tree's circumference.  
• Tree with excessive lean (more than 40%).  
• Leaning tree has a crack in stem or canker or decay on lower stem.  
• Leaning tree has a horizontal crack on the upper side of the lean and/or buckling back and wood on lower side.  
• Any lodged branch.  
• Any dead tree, tree top, or branch. |
| 4     | Severe | Multiple AND significant defects present listed under “High” risk; visual obstruction of traffic signs/ lights or intersections |

**Description & Comments:**

---

**Total Risk Rating (Size of Part + Other Risk Factors + Failure Potential):**

**Risk Rating:**

- Low (0-1 points)
- Moderate (2-3 Points)
- High (4-6 points)
- Severe (7-9 points)

**VI. Risk Abatement**

**Prune:**

- Remove Defective part
- Reduce end weight
- Crown clean
- Thin
- Raise canopy
- Crown reduce
- Restructure
- Shape

**Inspect Further:**

- Root crown
- Decay
- Aerial
- Monitor

**Remove Tree?** Y N

**Replace?** Y N

**Other:**

**Effect on Adjacent Trees:**

**Date:**