TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: _____

Date: _____ Inspector: _____

Date of Last Inspection: _____

Failure Potential: _____ + Size of Part: _____ + Target Rating: _____ = Hazard Rating _____

- ☐ Immediate action needed
- ☐ Needs further inspection
- ☐ Dead tree

TREE CHARACTERISTICS

Tree#: _____ **Species:** _____

DBH: _____ **# of trunks:** _____ **Height:** _____ **Spread:** _____

Form: ☐ general asymmetry ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown Class: ☐ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 0 % **Age Class:** ☐ young ☐ semi-mature ☐ mature ☐ over-mature/senescent

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☐ none ☐ multiple pruning events Approx dates: _____

Special value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov't

TREE HEALTH

Foliage color: ☐ normal ☐ chlorotic ☐ necrotic ☐ **Epicormics?**

Foliage density: ☐ normal ☐ sparse **Leaf size:** ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☐ poor ☐ **Twig Dieback?**

Woundwood development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

Growth Obstructions:

☐ stakes ☐ wire/ties ☐ signs ☐ cables

☐ curb/pavement ☐ guards

☐ other _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

Recent site Disturbance?: No ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

%dripline paved: _____ ☐ **Pavement lifted?**

%dripline w/fill soil: _____

%dripline grade lowered: _____

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ hist. of failur ☐ clay ☐ expansive ☐ slope _____ (degrees) aspect: _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg other: _____

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

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small feature ☐ utility lines

Can target be moved?: _____ **Can use be restricted?:** _____

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot?: _____ **Mushroom/conk/bracket present:** _____ **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

☐ **Root Pruned** **distance from trunk:** _____ **% Root area affected:** _____ ☐ **Buttress wounded** **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

Lean: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-correcting ☐ **Soil Heaving**

☐ **Decay in plane of lean** ☐ **Roots broken** ☐ **Soil cracking**

Compounding factors: _____

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s=severe, m=moderate, l=low)

Crown defects

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Codominants/forks				
Multiple attachments				
Included bark				
PoorExcessive end weigh				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms/bracke				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous Failure		moderate		

HAZARD RATING

Tree part most likely to fail _____

Inspection Period: ☐ annual ☐ biannual ☐ other

Failure Potential: _____ + Size of Part: _____ + Target Rating: _____ = Hazard Rating: _____

Failure potential: 1-low; 2-medium; 3-high; 4-severe

Size of part: 1-<6"(15cm); 2- 6-18"(15-45cm); 3- 18-30"(45-75cm); 4->30"(75cm)

Target rating: 1-occasional use; 2-intermittent use; 3-frequent use; 4-constant use

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

☐ **Remove tree** ☐ **Replace** ☐ **Move target** **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

Notification: ☐ owner ☐ manager ☐ governing agency notification date: _____

COMMENTS

revised 6/10/02