

TREE HAZARD EVALUATION FORM

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Site/Address: _____

Map/Location: _____

Owner: ☐ Public ☐ Private ☐ Unknown ☐ Other

Date: _____ Inspector: _____

Date of last inspection: _____

TREE CHARACTERISTICS:

Tree#: _____ Species: _____

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

Hazard Rating:

_____ + _____ + _____ = _____
Failure Size Target Hazard
Potential + of part + Rating = Rating

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

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 ☐ pollarded ☐ flush cuts

☐ crown reduced ☐ cable/braced ☐ none ☐ multiple pruning events Approx. dates: _____

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ shade ☐ screen

☐ indigenous ☐ protected by government agency

TREE HEALTH:

Foliage color: ☐ normal ☐ chlorotic ☐ necrotic Epicormics? ☐ Y ☐ N

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

Annual shoot growth: ☐ excellent ☐ average ☐ poor ☐

Woundwood development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

Growth obstruction: _____

☐ stakes ☐ wires/ties ☐ signs ☐ cables

☐ other: _____

Twig dieback? ☐ Y ☐ N

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 ☐ truck welter

Recent site disturbance? ☐ Y ☐ N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: ☐ 0% ☐ 10-25% ☐ 25-50% ☐ 50-75% ☐ 75-100% **Pavement lifted:** ☐ Y ☐ N

% dripline w/ill soil: ☐ 0% ☐ 10-25% ☐ 25-50% ☐ 50-75% ☐ 75-100%

% dripline grade lowered: ☐ 0% ☐ 10-25% ☐ 25-50% ☐ 50-75% ☐ 75-100%

Soil problem: ☐ drainage ☐ shallow ☐ compacted ☐ drought ☐ saline ☐ alkaline ☐ acrid ☐ small-volume

☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope _____ ☐ aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-site ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic

☐ adjacent vegetation ☐ 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 features ☐ utility lines ☐ other: _____

Can target be moved? ☐ Y ☐ N **Can use be restricted?** ☐ Y ☐ N

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

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TREE DEFECTS:

Root defects:

Suspect root rot: ☐ Y ☐ N **Mushroom/bracket present:** ☐ Y ☐ N **ID:** _____

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

Root pruned: ____ distance from trunk **Root area affected:** ____% **Buttress wounded:** ☐ Y ☐ N **When:** _____

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

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving:** ☐ Y ☐ N

Decay in plane of lean: ☐ Y ☐ N **Roots broken:** ☐ Y ☐ N **Soil cracking:** ☐ Y ☐ N

Compounding factors: _____ **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and their rate severity (S=Severe, M=Moderate, L=Low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive and weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seams				
Decay				
Cavity				
Conks/mushroom/bracket				
Bleeding/sap/flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

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: ☐ Y ☐ N **Replace:** ☐ Y ☐ N **Move Target:** ☐ Y ☐ N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

Notification: ☐ owner ☐ manager ☐ governing agency

Date: _____

Comments: