

TREE RISK ASSESSMENT FORM

Site/Address: 37 Georgia St NW

Map/Location: Front center of yard at sidewalk

Owner: public: _____ private: X unknown: _____ other: _____

Date: 9/20/19 Inspector: Bill Leake

Date of last inspection: 11/12/19

RISK RATING:			
1	1	2	4
Failure Potential	+ Size of part	+ Target Rating	= Hazard Rating
_____			Immediate action needed
<u>X</u>			Needs further inspection
_____			Dead tree

TREE CHARACTERISTICS

Tree # **1** Species: **Red Oak (Quercus rubra)**

DBH: **49"** # of trunks: **1** Height: **110'** Spread: **90'**

Form: generally symmetric minor asymmetry major asymmetry stump sprout stag-headed

Crown class: dominant co-dominant intermediate suppressed

Live crown ratio: **95 %** 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. agency

TREE HEALTH

Foliage color: normal chlorotic necrotic Epicormics;

Growth obstructions:

Foliage density: normal sparse Leaf size: normal small

stakes wire/ties signs cables

Annual shoot growth: excellent average poor none Twig Dieback:

curb/pavement guards

Woundwood: excellent average fair poor

Vigor class: excellent average fair poor

Pests/diseases: Decay at trunk flare and in several limbs.

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 herbicide treatment

% dripline paved: 50% Pavement lifted: Slightly

% dripline w/ fill soil: 0%

% dripline grade lowered: 0%

Soil problems: drainage shallow compacted droughty saline alkaline acidic small volume disease center history of fail
 clay expansive slope _____ ° aspect: _____

Conflicts: lights signage line-of-sight view overhead lines underground utilities traffic adjacent veg. _____

Exposure to wind: single tree below canopy above canopy recently exposed windward, canopy edge area prone to windthrow

Prevailing wind direction: SW Occurrence of snow/ice storms never seldom regularly

TARGET

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

Can target be moved? NO Can use be restricted? NO

Occupancy: occasional use intermittent use frequent use constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: YES Mushroom/conk/bracket present: NO ID: Grifola frondosa has been identified on previous assessments.

Exposed roots: severe moderate low Undermined: severe moderate low

Root pruned: 3' distance from trunk Root area affected: ___ 20% Buttress wounded: When: _____

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

LEAN: 3 deg. from vertical natural unnatural self-corrected Soil heaving:

Decay in plane of lean: Roots broken: Soil cracking:

Compounding factors: Lean severity: severe moderate low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (**S** = severe, **M** = moderate, **L** = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam		L		
Decay	L			L
Cavity				
Conks/mushrooms/bracket	L			
Bleeding/sap flow		L		
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 in the next six months: **Branches**

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe Size of part: 1 - <6" 2 - 6-18" 3 - 18-30" 4 - >30"

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

Maintenance Recommendations

none remove defective part reduce end weight crown clean thin raise canopy crown reduce restructure cable/brace

Inspect further root crown decay aerial monitor

Remove tree If removed, a similar sized tree species would be appropriate in same location

If removed, alternate tree replacement locations are available

Effect on adjacent trees: none evaluate

Notification: owner manager governing agency Date: 9/20/19

COMMENTS

The upper crown of this tree is in good overall shape and does not have a greater than normal risk level. There were signs of root decay fungi at the base of the trunk on three previous assessments dating back to August of 2016. These fungi continue to attack the base of the trunk, roots and are impacting the vigor of the tree. No visible mushrooms were seen at this visit. There is a 6" diameter limb growing over the street that now has decay on it. Previous maintenance has already removed several large dead limbs. Any attempts to repair the sidewalk near this tree should be closely monitored by an arborist. The overall vigor of the tree appeared good, but decay levels continue to increase as this tree slowly loses the fight against decay.

Bill Leake