

TREE RISK ASSESSMENT FORM

Site/Address: 184 Union Street S
Map/Location: Left front of detached garage at rear of property
Owner: public: _____ private: X unknown: _____ other: _____
Date: 07/17/19 Inspector: Bill Leake
Date of last inspection: _____

RISK RATING:			
1	0	2	3
Failure Potential	+ Size of part	+ Target Rating	= Hazard Rating
_____			Immediate action needed
_____			Needs further inspection
_____			Dead tree

TREE CHARACTERISTICS

Tree #: 1 Species: Red Maple (Acer rubrum)
DBH: 30" # of trunks: 1 Height: 12' Spread: 6'
Form: generally symmetric 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: 7-16-2019
Special Value: specimen heritage/historic wildlife unusual street tree screen shade indigenous protected by gov. agency

TREE HEALTH

Foliage color: normal chlorotic necrotic Epicormics:
Foliage density: normal sparse Leaf size: normal small Growth obstructions: 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
Major pests/diseases: Tree was topped to a height of 12'

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: 0% Pavement lifted: NO
% 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: NO Mushroom/conk/bracket present: NO 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: 5 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

Concern Areas: Indicate presence of individual structural issues 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				
Decay				
Cavity				
Conks/mushrooms/bracket				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Limb Cuts >6"		S	S	S

HAZARD RATING

Tree part most likely to fail in the next six months: None

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

Failure Potential + Size of Part + Target Rating = Hazard Rating
 1 0 2 3

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 When replaced, a similar sized tree species would be appropriate in same location

When replaced, alternate tree replacement locations are available

Effect on adjacent trees: none evaluate

Notification: owner manager governing agency Date: 7/17/19

COMMENTS

This tree was severely topped to a height of 12' with the apparent intent to remove the entire tree. The remaining portion of the tree should be removed and the stump ground. A tree species with similar height characteristics should be planted this fall.

Bill Leake