



# CITY OF HENDERSONVILLE PUBLIC WORKS DEPARTMENT

305 Williams Street ~ Hendersonville, NC ~ 28792

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www.cityofhendersonville.org

## TREE MAINTENANCE AND HAZARD EVALUATION FORM

Date  Inspector

Site Location/Address

Owner  Public  Private

Date of last inspection

### HAZARD RATING:

$\frac{\text{Failure Potential}}{\text{of part}} + \frac{\text{Size}}{\text{Rating}} + \frac{\text{Target}}{\text{Rating}} = \frac{\text{Hazard}}{\text{Rating}}$

\_\_\_\_ Immediate action needed  
\_\_\_\_ Needs further inspection  
\_\_\_\_ Dead tree

### TREE CHARACTERISTICS

Species

DBH  # of trunks  Height  Spread

Form:  generally symmetric  minor asymmetry  major asymmetry

Crown class:  dominant  co-dominant

Live crown ratio %  Age class:  young  semi-mature  mature

Pruning history:  crown cleaned  excessively trimmed  topped  crown raised  
 crown reduced  multiple pruning events  none

Special Value:  street tree  protected by gov. agency  specimen  heritage/historic  wildlife  
 unusual  screen  shade  indigenous

### TREE HEALTH

Foliage color:  normal  abnormal Foliage density:  normal  sparse Twig Dieback  no  yes

Leaf size:  small  normal Annual shoot growth:  excellent  average  poor

Growth obstruction:  stakes  wire/ties  signs  cables  curb/pavement  guards

Other  Major pests/diseases:

### SITE CONDITIONS

Site Character:  residence  commercial  industrial  park  open space  natural  woodlands

Landscape type:  planting strip  raised bed  container  mound  lawn  shrub border  wind break

Irrigation:  none  adequate  inadequate  excessive Pavement lifted?  no  yes

Recent site disturbance?  no  construction  soil disturbance  grade change  site clearing

% dripline paved:  0  10-25%  25-50%  50-75%  75-100%

% dripline w/fill soil  0  10-25%  25-50%  50-75%  75-100%

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

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  area prone to windthrow

**TARGET**

Use under tree:  landscape  building  parking  traffic  pedestrian  recreation  hardscape

small features  utility lines

Can target be moved?  no  yes

Can use be restricted?  no  yes

Use  occasionally  intermittent  frequently  constant

**TREE DEFECTS**

Suspect root rot:  no  yes

Mushroom/conk/bracket present  no  yes

Exposed roots:  severe  moderate  low

Soil heaving:  no  yes

Soil cracking:  no  yes

Degree lean from vertical

**HAZARD RATING**

Failure Potential

Size of Part

Target Rating

Total Rating

**HAZARD RATING:**  
Failure potential: 1 - low, 2 - medium, 3 - high, 4 - severe  
Size of part: 1 - ,6" (15 cm), 2 - 6-18" (15-45 cm)  
3 - 18-30" (45-75 cm), 4 - 30" (75 cm)  
Target rating: 1 - occasional use, 2 - intermittent use  
3 - frequent use, 4 - constant use

Tree part most likely to fail:

**TOTAL HAZARD RATING SYSTEM:**

**High Risk Rating 10-12: this rating should increase the urgency for removal.**

**Moderate Risk Rating 8-9: The current extent of these imperfections does not warrant the higher risk rating. Further monitoring may be required to determine if trees in this category will continue to decline.**

**Low Risk Rating 1-7; These trees may continue to be viable assets to the urban forest provided their current level of maintenance is continued.**

**HAZARD ABATEMENT**

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

Remove tree:  no  yes Replace?  no  yes Move target:  no  yes

Notification:  owner  manager  governing agency

Comments: