

TOWN OF BRISTOL, RHODE ISLAND
OFFICE OF THE TREE WARDEN

Steven Saracino
10 Court Street
Bristol, RI 02809



TOWN CLERK'S OFFICE
BRISTOL, RHODE ISLAND
2024 APR 10 AM 11:48

DATE: April 8, 2024

TO: Steven Contente
Town Administrator

FROM: Steven Saracino
Tree Warden

RE: Tree Risk Assessment—**40 Kickemuit Road, Bristol RI 02809**

The following tree risk assessment was performed per a recommendation request from the Bristol Town Council due to a tree removal request for a curb cut at 40 Kickemuit Road, Bristol RI.

Date of Inspection - **April 3, 2024**

Address/Tree Location - **40 Kickemuit Road, Bristol RI — left of existing driveway.**

Tree Species — **Oak**

Height — **Approximately 50-60'**

Crown Spread Diameter — **Approximately 30-35'**

SITE FACTORS

Topography- **Flat**

Soil Conditions — **Compacted**

TREE HEALTH & SPECIES PROFILE

Tree Vigor (measured by ratio of canopy crown length to total tree height) — **Normal**

Foliage — **None (Seasonal)**

Pests/Biotic — **None visible**

Species Failure Profile — **Some deadwood present in tree canopy/some indications of lower trunk injury/surface roots.**

LOAD FACTORS

Wind Exposure — **Partial to full at tree canopy level.**

Relative Tree Canopy Crown Size — **Large**

Tree Crown Density — **Normal**

Interior Branches — **Normal**

TREE DEFECTS AND CONDITIONS AFFECTING THE LIKELIHOOD OF FAILURE

Tree Crown & Branches:

Semi unbalanced crown with some upper twig/branch deadwood.

Some over extended branching. Some indications of lower branches cut/pruned.

Trunk:

Tree has multiple (3) equal size codominant trunks growing up together containing included bark at their lower union at the base of the (3) trunks. Included bark indicates a type of branch defect that develops when two or more stems grow closely together. The bark at this point grows into the union between the stems, often creating a weaker v — shaped branch angle to form. This area potentially lacks strong supportive fiber strength, and prevents branches, (stems in this case), from establishing strong attachments to the lower tree trunk.

This multi trunk tree presently has some soft areas at the union between the (3) stems where water has gathered. There are some missing bark areas around the base of the trunk and some discoloration on areas of the trunk.

With the size of the tree canopy and minor upper canopy deficiencies identified, and the existing (3) equal sized trunks growing up together, I would rate the likelihood of tree crown, branching, and trunk area failure as possible in its present condition.

Roots and Root Collar:

Some root plate lifting noticeable.

I would rate the likelihood of root failure improbable.

Based on the observations noted in this tree assessment, my recommendation is for the tree to remain. I further recommend using the following mitigation options:

Selective trimming, pruning, thinning, and balancing of the upper canopy to reduce the weight on the (3) codominant trunks.

Avoid removing any of the large trunk stems at this time which could possibly impact the tree crown and would leave a large open wound that may be unable to seal over. This action could be amended upon an upper canopy inspection.

Routine inspections would continue to monitor the health and condition of the tree, if any changes were to occur, a different course of remedial action would be implemented.

Feel free to contact me with any additional questions and concerns you may have regarding this matter.

Sincerely,



Steve Saracino

Bristol, RI Tree Warden



concern
the interests
STEVEN CONTENTE
Town Administrator