

LAURA CURRAN
NASSAU COUNTY EXECUTIVE



KENNETH G. ARNOLD, P.E.
COMMISSIONER

COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
1194 PROSPECT AVENUE
WESTBURY, NEW YORK 11590-2723

April 18, 2019

Re: Notice of Woodbury Road Resurfacing Project

Dear Property Owner:

This letter is a courtesy notification that Nassau County will be resurfacing Woodbury Road between South Oyster Bay Road and Jericho Turnpike in the upcoming weeks. Incidental to the resurfacing project, a curb side tree (or trees) in the County Right of Way adjacent to your property is scheduled for removal as part of an ongoing road resurfacing project on Woodbury Road.

The removal of these trees has been carefully considered by knowledgeable County personnel and only trees that are decidedly damaged or otherwise interfering directly with necessary reconstruction of the curb and roadway have been selected for removal. An information packet has been enclosed to provide information on the tree removals.

The tree removals will commence on Monday, April 22, 2019. If you have any questions regarding this notice, please contact our resident engineer Kevin Mansfield at (516) 313-2754.

Very truly yours,

A handwritten signature in black ink, appearing to read "Ken Arnold", is written over a horizontal line.

Kenneth G. Arnold, P.E.
Commissioner of Public Works



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Woodbury Road Tree Removals Due to Conflicts

IMPORTANT NOTES:

- Subject trees are in an undersized planting area for their species.
- Commonly the subject Oak trees will grow to 24"-36" diameter with a 'root flare' or buttress of 36"-48" Diameter (this is the transition zone between the trunk of the tree and the root system)
- Sometimes the root flare is growing over the curbs, pushing the concrete into the street and raising it up out of the ground.
- To re-establish curb lines, the root flare must be cut, not the roots. Cutting of the root flare will de-stabilize the trees.

WHY CAN'T YOU JUST REMOVE THE CURB AND LEAVE THE TREE?

- Removing any concrete curbs that the trees have grown over and around will also de-stabilize the trees, as this growth around the concrete adds stability, which is known as "Contact Stress Response."
- Once the structure it grows around (the curb) is removed, the failure potential of the tree increases significantly.
- Heaving of the road bed and curb line can cause ponding of storm water runoff, preventing proper flow to the roadway's drainage systems.
- In the winter months, ponding (due to said heaving and offsetting) will freeze and create a potentially hazardous ice slick on the roadway.

[continue to Woodbury Road tree photos on following (6) pages]



Woodbury Road Tree Removals - Example #1:

Trees are severely overgrown pushing out curb and catch basin and affecting drainage. End of protective guide railing is wrapped within tree trunk causing a contact stress liability during proposed improvements.



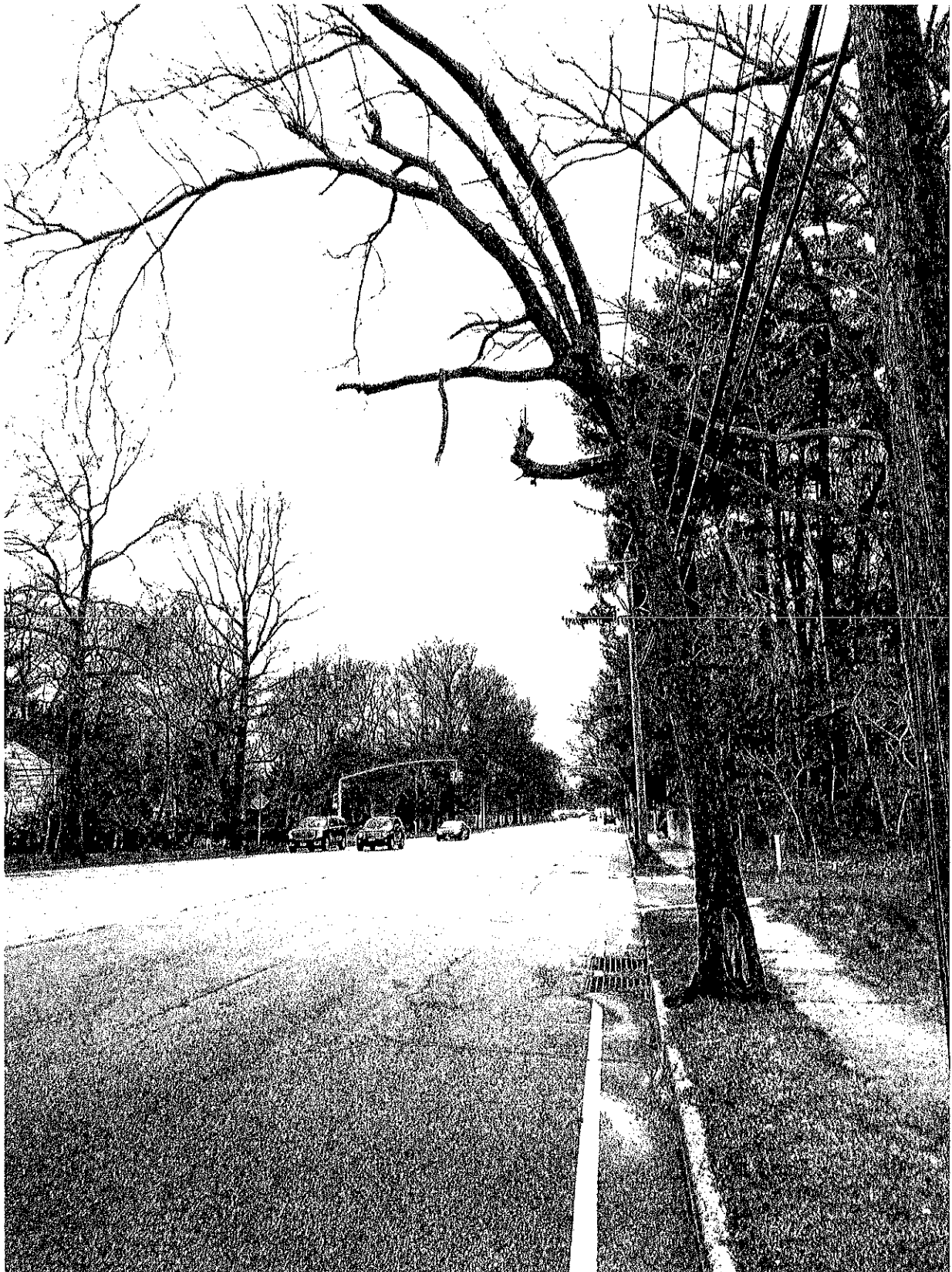
Woodbury Road Tree Removals - Example #2:
Tree is dead and structurally compromised.



Woodbury Road Tree Removals - Example #3:
Tree exhibits extensive vehicular damage and internal decay compromising its structural stability.



Woodbury Road Tree Removals - Example #4:
Root flare pushes out curb at least 6 inches and interferes with milling. Puddling
and ice slicks can occur due to improper flow of water.



Woodbury Road Tree Removals - Example #5:
Tree exhibits extensive structural damage and internal decay as well as leaning and being weighted over the roadway.



Woodbury Road Tree Removals – Example #6:
Root flare far exceeds curb limits and interferes with milling.

Frequently Asked Questions

1. What is the basis for the determination that a tree needs to be removed for repaving?
Who/what group is responsible for this evaluation?
 - Trees that are engaging the concrete curb or overgrowing the curb edge to such an extent that it will interfere with resurfacing equipment (milling machine, paving machine, roller, etc.) and/or root flares that are incorporated into curbing or other solid roadway structures that require replacement/repair must be removed due to “contact stress response” which basically causes a tree to become dependent on the man-made structure to maintain its stability. In addition, there are cases where ALL the roots on the curb side will need to be cut in order to replace the damaged curb. This would completely de-stabilize the tree, which would be unbalanced and tend to fall on the private properties. In our evaluation process, we have tried to save as many trees as possible. The Civil/Site Construction Management unit in conjunction with the County Horticulturist and Landscape Architect are responsible for this evaluation.
2. Why can't the roads be repaved without removing some the trees that do not appear to be pushing the curb out?
 - The roads CAN be repaved without removing the additional 15 trees that don't impact the curb. However, all the trees slated for removal beyond the obvious curb interference are potential hazards due to major structural damage (vehicular damage, insect infestation, extreme rot, dead/diseased/dying, etc.) that will be predictable liabilities should the trees fall at any point post project. It seems to make sense from a County liability standpoint to remove these additional trees, while we are removing the trees that impact the paving operation.
3. What is the environmental impact of the tree removal, and how was this considered/determined?
 - As we are slated to remove only 10% of the total number of trees in the project limits, there is minimal environmental impact. Since half of these trees are already dying/dead due to infestation with insects and other severe structural compromises, we believe this would be an improvement, especially when the new trees are planted.
4. What is the estimated time to complete the repaving project? What is the plan/timing for replanting trees in the places they were removed?
 - The estimated time to complete the repaving project is November 30, 2019. Currently there is no tree planting contract in place. The new contract is going through the County procurement process and we hope to replant trees in the fall planting season under the contract for Tree Planting.