

BUTTONWOOD LANE

FAIR HAVEN, NJ



**TREE REPORT/STREET TREE APPRAISAL**

ZIG PANEK -- LICENSED TREE EXPERT #364

FARMINGDALE, NJ

JULY 2020

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**Client:** Fair Haven Boro

**Date:** 03/6/2020

**Location:** Buttonwood Lane

## Introduction:

I was retained by the Borough of Fair Haven to conduct a tree study for the Historic trees on Buttonwood Lane. The Sycamore trees (*Platanus occidentalis*) that line both sides of the street were planted in the early 1900's and are an important piece of history for the town. Originally the trees were on either side of the long driveway leading up to Rumson Hill, the luxurious McCaster Estate. Over the past 100+ years they have grown to approximately 60' tall and remain a beautiful vision year-round for residents and visitors to Fair Haven. While most of the trees are over 100 years old, some of them were replaced in the 1940's when a serious storm damaged them. These younger trees are still over 60' tall.

I conducted my study over a couple of months. I felt it was important for this study to look at the trees when they are dormant, without leaves, and then later in the spring when they would be in full leaf. I walked both sides of the street painting numbers on each tree for identification (*easy off paint*) and at the same time I made a general observation of this alley. I inventoried 119 trees.

First, it is easy to see how important these trees are to the neighborhood. These trees make this residential area special (Fig 1). I have seen in my long experience when important trees such as these are suddenly wiped out by storms, insects, and disease. When established trees are suddenly gone the whole environment changes.

- The area becomes hotter; trees are natural air conditioners.
- Drainage and storm waters become a big problem that was not there before. Trees take in gallons of water at a time, their leaves also hold large amounts of water & snow.



Fig 1: street trees

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- These trees deflect damaging wind.
- Dust, dirt, and noise are suddenly increased.
- Aesthetics, the beauty, and character add a value that is immeasurable.

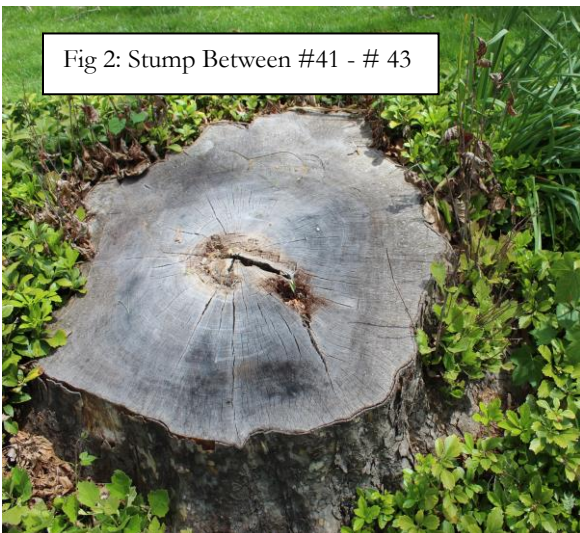
With these benefits outlined, it is important to the residents and the community to preserve and maintain these trees for the next 100 years. Sycamores in fact can live for well over 100 years.

## Observations:

Little regular maintenance is done to these trees in way of trimming, pruning, fertility. I saw a stump that was located between tree #41 & #43. The stump showed no evidence of rot or disease. I spoke to the homeowner where the stump was located and asked him what happened to the tree. Homeowner had to remove the tree because of major storm damage, and the possible hazard and safety concern to his home. The tree was not replaced (Fig 2).

Looking into the crown of the trees there are dead limbs & branches which is natural and not indicative of current insect or disease damage.

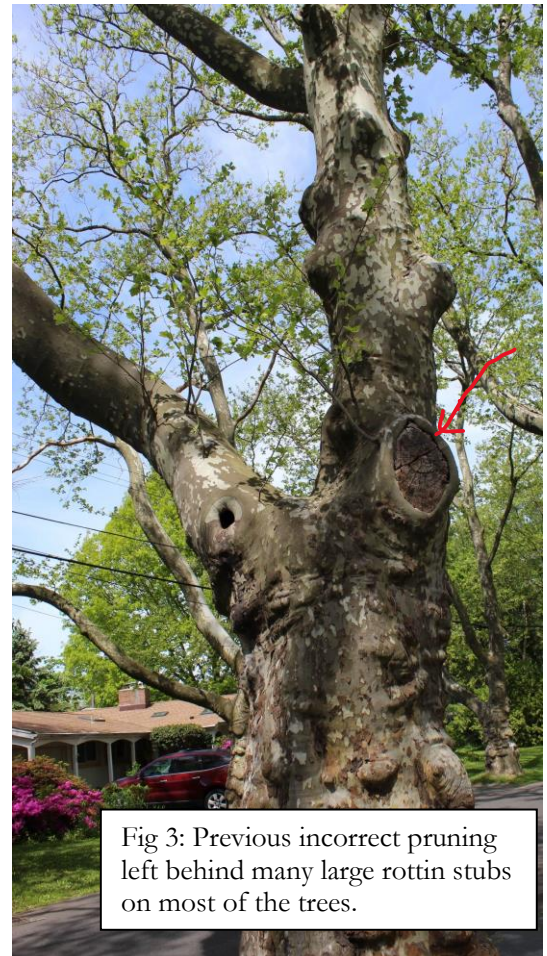
Many of the trees on Buttonwood Lane have the same or similar issues. What stands out to me the most is



the current acute situation that was caused by improper pruning carried out some time ago. When the trees were pruned the stubs, left were too long. They should have been cut closer to the growth

collar. The longer cut allowed the center of the cut to rot & decay before the growth collar could grow & cover the cut (Fig 3).

I have included an example in (Fig 4) of proper limb removal.



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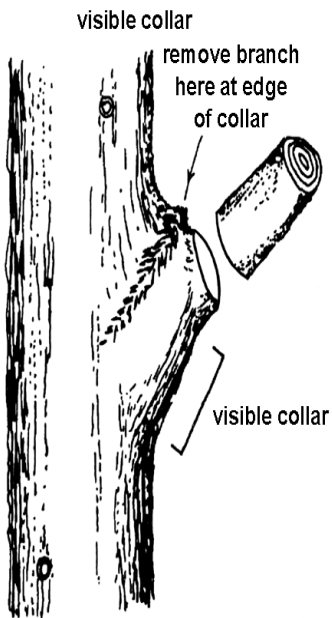


Fig: 4

Many trees have open cavities which need to be addressed (Fig 5). In my opinion, this faulty pruning is the cause of most of the rot & cavities. Corrective pruning is necessary for most of the trees to maintain the integrity & longevity of the trees. I recommend the European method of treating the cavities: cleaning the rot to solid wood then filling with expanding foam, cutting the foam flush after it dries & hardens.

The next important factor I examined is the base of the tree. If the roots are having a stress factor, problems show up in the upper part of the tree, leaves or limbs. Older trees are especially more sensitive when the base or flare is buried by excessive mulch or topsoil fill. Weed wackers & mowers hitting or scarring the base of the tree is harmful. commonly cut by weekly mowing; they

need protection (Fig 9). Some of the trees have pachysandra or vinca ground cover which is a great



Fig 5: Open cavities can be found on most of the trees. This allows water to pool and promote rot in the tree.



Fig 6: Pachysandra in lieu of grass at the base, looks great & protects the trees.

alternative (Fig 6). Mulch is also an option, however some of the trees I inspected do have too much mulch, which essentially suffocates the roots (Fig 8). The tree then creates small auxillary roots below the mulch while the major roots that support the functions of the tree are failing.

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Next, I returned after the trees were in full leaf to make further assessments. The leaves were normal size with good color. I then went through and appraised each individual tree which I have reported on. During that time, the trees became affected with sycamore anthracnose (Fig 7).



Fig: 7 sycamore anthracnose

*\*Sycamore anthracnose is a fungal disease that can cause leaf drop, twig dieback, cankers and the sudden death of more than 90% of a tree's new shoot growth. Although the disease is rarely fatal and trees will grow a second set of leaves, repeat infections will result in abnormal branching and will leave a tree stressed and more susceptible to other diseases and pests (\* cited from Missouri Botanical Gardens)*

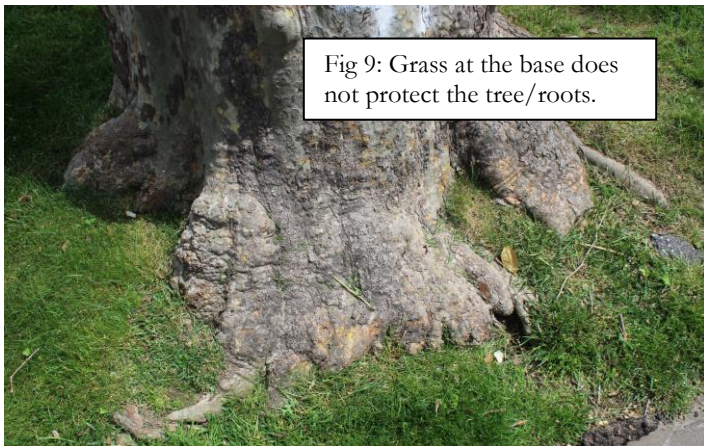


Fig 9: Grass at the base does not protect the tree/roots.



Fig 8: Mulch cover

Once the trees were in full leaf it was easy to see what was dead in the canopy. Most of the trees had minimal limb mortality. The over all condition of the trees is good. There are a few trees that are problematic; persistent rot & decay has left these trees in a dangerous state and their removal & replacement should be considered: trees # 8, 14, 26, 40, 83, 91 and 99. In the individual tree report , these trees are highlighted in red & pictured.

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The following is my summation of the study and a general report on each tree.

## Goals:

- Corrective pruning, cut back rotting stubs where possible, created from previous pruning
- Crown reduction
- Selected crown elevation
- Fill open cavities
- Encourage new growth
- Deep root feeding recommend
- Control grass at the tree base & large surface roots.  
consider grass removal & planting of live ground cover
- Careful use of mulch as a ground cover
- Replace selected trees



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## Tree #1 Condition:

The tree is sound. Has grass at the base, dead limbs in the canopy.

## Tree #2 Condition:

The tree is sound. Has grass at the base, many stumps & cavities;  
needs corrective pruning

## Tree #3 Condition:

The tree is sound. Has grass at the base, rot at base, dead branches in canopy,  
stubs & cavities; needs corrective pruning

## Tree #4 Condition:

The tree is sound. Has grass at the base, stumps & many open cavities;  
needs corrective pruning

## Tree #5 Condition:

The tree is sound. Has grass at the base, rot at base,  
Stubs & many open cavities; needs corrective pruning

## Tree #6 Condition:

The tree is sound. Has grass at the base. Remove dead limbs,  
Stubs & cavities; needs corrective pruning

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## Tree #7 Condition:

The tree is sound. Has ivy at the base.  
Remove dead limbs, stubs & many open cavities;  
needs corrective pruning



## Tree #8 Condition:

Recommend removal.  
Tree is completely covered in ivy.  
Too close to the power lines.

## Tree #9 Condition:

The tree is sound. No grass at the base, light dead growth.  
Some stubs (healed).



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## Tree #10 Condition:

The tree is sound. Has grass at the base, stubs & many open cavities; needs corrective pruning

## Tree #11 Condition:

DBH: 6'9" The tree is sound. Has grass at the base, light dead growth. stubs & many open cavities; needs corrective pruning

## Tree #12 Condition:

The tree is sound. Has grass at the base, many stubs & cavities; Needs corrective pruning.

## Tree #13 Condition:

The tree is sound. Has grass at the base, dead growth in canopy; needs corrective pruning

## Tree #14 Condition:

Recommend removal.  
Pachysandra/grass at base.  
Severe basal rot. cavities, stubs



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## Tree #15 Condition:

DBH: 8'8" The tree is sound.  
Grass at base, shows new growth.

## Tree #16 Condition:

The tree is sound. Has grass at the base, many stubs & cavities;  
needs lots of corrective pruning

## Tree #17 Condition:

The tree is sound. Has grass at the base, many dead limbs.  
No cavities.

## Tree #18 Condition:

The tree is sound. Has grass at the base, dead branches at canopy.  
Needs corrective pruning, remove dead limb.

## Tree #19 Condition:

The tree is sound. Grass at the base, woodpecker damage, hollow.  
One large, bad cavity & other open cavities

## Tree #20 Condition:

DBH: 7'6" The tree is sound. Has grass at the base, many stubs & cavities; needs  
corrective pruning,

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## Tree #21 Condition:

DBH: 9' The tree is sound. Has grass at the base.

## Tree #22 Condition:

The tree is sound. Has grass at the base, stubs & cavities;  
Needs corrective pruning.

## Tree #23 Condition:

The tree is sound. Has grass at the base. Some new growth,  
One big cavity, some dead limbs; needs corrective pruning.

## Tree #24 Condition:

The tree is sound. It is covered in ivy that needs to be removed (spray).  
Needs a lot of corrective pruning, remove lower limbs.

## Tree #25 Condition:

The tree is sound. Has ivy at the base, some dead limbs;  
Needs corrective pruning.

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## Tree #26 Condition:

Recommend removal.  
Has grass at the base. Major rot.



## Tree #27 Condition:

The tree is sound, one of the better trees.  
Has pachysandra at the base.  
New growth, some dead limbs; needs  
corrective pruning.

## Tree #28 Condition:

The tree is sound. Has grass at the base.  
Bore damage on base, systematic insecticide  
Stubs; needs corrective pruning.

## Tree #29 Condition:

DBH: 6'5" The tree is sound. Has pachysandra at the base.  
Some new growth, small cavities; needs corrective pruning.

## Tree #30 Condition:

The tree is sound. Has grass at the base, small stubs & cavities;  
Needs light corrective pruning.

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## Tree #31 Condition:

The tree is sound. Has pachysandra at the base.  
Some new growth; needs light corrective pruning.

## Tree #32 Condition:

The tree is sound. Has grass at the base, many stubs & cavities;  
Needs corrective pruning.

## Tree #33 Condition:

The tree is sound. Has pachysandra at the base, Some rot at base.  
Cavities, new & dead growth; needs light trimming in the canopy.

## Tree #34 Condition:

The tree is sound. Has grass at the base. Some cavities;  
needs corrective pruning. Recommend removing the limb over the road.  
(tree is located in a common area).

## Tree #35 Condition:

The tree is sound. Has grass at the base,  
Cavities; needs corrective pruning.

## Tree #36 Condition:

The tree is sound. Has grass at the base, many stubs & cavities;  
Needs corrective pruning. Dead branches in the canopy.

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## Tree #37 Condition:

The tree is sound. Has pachysandra at the base. Dead limbs in crown. Cavities; needs corrective pruning.

## Tree #38 Condition:

The tree is sound. Has pachysandra at the base. Stubs and cavities; needs corrective pruning. Recommend removing Mulberry that's in the same bed.

## Tree #39 Condition:

DBH: 10' The tree is sound. Has pachysandra at the base. Cavities; needs corrective pruning. Some new growth.

## Tree #40 Condition:

Recommend removal.  
Many large cavities, large dead limb.

## Tree #41 Condition:

The tree is sound.  
Has pachysandra at the base.  
Light dead growth in the crown;  
needs corrective pruning.



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## Tree #42 Condition:

The tree is sound. Has grass at the base, some new growth.  
Cavities and stubs; needs corrective pruning.

## Tree #43 Condition:

The tree is sound. Has pachysandra at the base. Some new growth.  
Cavities; needs corrective pruning. Recommend removing limb over road.

## Tree #44 Condition:

The tree is sick and should be revisited to see if the canopy improves.  
Has grass at the base. Some light dead growth.  
Cavities and stubs; needs corrective pruning.

## Tree #45 condition:

The tree is sound. Has pachysandra at the base mixed with mugwort/weeds.  
Open cavities and stubs; needs corrective pruning. Light new growth.

## Tree #46 Condition:

The tree is sick and should be revisited to see if the canopy improves.  
Has grass at the base. Cavities and stubs; needs corrective pruning.

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## Tree #47 Condition:

The tree is sound. Has pachysandra/vinca at the base.  
Light new growth; needs corrective pruning.

## Tree #48 Condition:

The tree is sound. Has grass/ivy at the base. Needs corrective pruning.  
Stubs, cavities, remove some limbs.

## Tree #49 Condition:

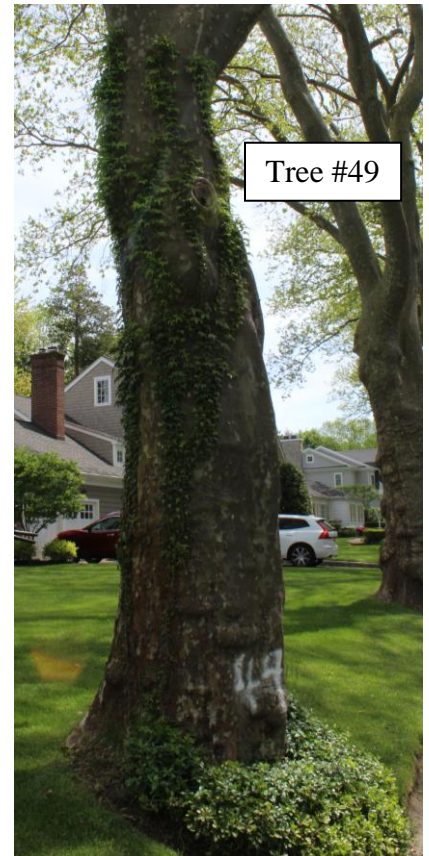
The tree is sound. Has pachysandra at the base.  
Ivy growing up the tree needs to be removed.  
Light dead branches in crown, some rot,  
cavities; needs corrective pruning.

## Tree #50 Condition:

The tree is sound. Has grass at the base.  
Cavities and stubs; Needs corrective pruning.

## Tree #51 Condition:

The tree is sound. Has grass at the base. Some cavities and  
stubs;  
Needs corrective pruning.





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## Tree #52 Condition:

The tree is sound. Has grass at the base. Cavities and stubs;  
Needs corrective pruning.

## Tree #53 Condition:

The tree is sound. Has grass at the base. Light new growth.  
Remove dead branches from canopy, cavities and stubs;  
needs corrective pruning.

## Tree #54 Condition:

The tree is sound. Has grass at the base. Cavities and stubs;  
Needs corrective pruning.

## Tree #55 Condition:

The tree is sound. Has grass at the base. Light new growth.  
Cavities; needs corrective pruning.

## Tree #56 Condition:

The tree is sound. Has grass at the base. stubs; needs corrective pruning.  
Recommend removing lower limb over driveway.

## Tree #57 Condition:

The tree is sound. Has grass at the base. Light new growth.  
Cavities and stubs; needs corrective pruning.

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## Tree #58 Condition:

The tree is sound. Has grass at the base. Light new growth.  
Cavities and stubs; needs corrective pruning.

## Tree #59 Condition:

The tree is sound. Has grass at the base. Light new growth.  
Large cavity; needs corrective pruning.

## Tree #60 Condition:

The tree is sound. Has ivy at the base. Light new growth.  
Many stubs & cavities; needs corrective pruning.

## Tree #61 Condition:

The tree is sound. 1ft of mulch at base, then ivy. Light new growth.  
Cavities; needs corrective pruning.

## Tree #62 Condition:

The tree is sound. Has ivy at the base. Some new growth.  
Many cavities & stubs; needs corrective pruning.

## Tree #63 Condition:

The tree is sound. Has mulch at the base. Weak canopy, a lot of new growth.  
Cavities & stubs; needs corrective pruning.

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## Tree #64 Condition:

DBH: 11'3" The tree is sound. Has controlled ivy at the base.  
Many open cavities; needs corrective pruning.

## Tree #65 Condition:

The tree is sound. Has mulch at the base.  
Light new growth.  
Rogue tree growing in large cavity. Many  
cavities; needs corrective pruning.



## Tree #66 Condition:

DBH: 9'6" The tree is sound.  
Has grass at the base.  
Cavities & stubs; needs corrective pruning.  
Remove 2 dead limbs.

## Tree #67 Condition:

The tree is sound. Has mulch at the base. Dead growth in canopy.  
Cavities; needs corrective pruning.

## Tree #68 Condition:

DBH: 9' Had ivy that was removed. Active rot, tapered cavity that goes up 6' from the  
base. Remove lower limb. Cavities & stubs; needs corrective pruning.  
Sound tree if the giant cavity is addressed.

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## Tree #69 Condition:

The tree is sound. Has mulch at the base. Light new growth.  
Cavities; needs corrective pruning.

## Tree #70 Condition:

DBH: 9'3" The tree is sound. Has grass at the base. Remove limb over street.  
Cavities; needs corrective pruning.

## Tree #71 Condition:

The tree is sound. Has mulch at the base. A lot of new growth.  
Cavities & stubs; needs corrective pruning.

## Tree #72 Condition:

DBH: 9'8" The tree is sound. Has grass at the base.  
Remove limb growing over the street. Cavities; needs corrective pruning.

## Tree #73 Condition:

The tree is sound. Excessive mulch at the base should be reduced.  
Remove limb. Cavities & stubs; needs corrective pruning.

## Tree #74 Condition:

DBH: 8'4" The tree is sound. Has grass at the base.  
Remove 2 dead limbs. Cavities; needs corrective pruning.

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## Tree #75 Condition:

DBH: 9'8" The tree is sound. Has mulch at the base. Some new growth.  
Stubs & cavities; needs corrective pruning. Remove dead limb.

## Tree #76 Condition:

The tree is sound. Has pachysandra at the base.  
Large open cavity. Good canopy.

## Tree #77 Condition:

DBH: 9'8" The tree is sound. Has grass at the base.  
Remove limb growing over the street. Cavities; needs corrective pruning.

## Tree #78 Condition:

The tree is sound. Has grass at the base. Basal rot.  
Many cavities; needs corrective pruning.

## Tree #79 Condition:

The tree is sound. Has grass at the base, Remove dead limb.  
Some new growth. Cavities & stubs; needs corrective pruning.

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## Tree #80 Condition:

DBH: 7'10" The tree is sound. Has pachysandra at the base. Healthy canopy, few open cavities; needs corrective pruning.

## Tree #81 Condition:

The tree is sound. Has grass at the base. Some new growth. Remove dead limbs. Cavities & stubs; needs corrective pruning.

## Tree #82 Condition:

DBH: 10'3" The tree is sound. Has pachysandra at the base. Healthy canopy. Major cavity 7' up, stubs; needs corrective pruning. Remove limb to reduce weight.

## Tree #83 Condition:

Recommend removal. Severe rot at base.

## Tree #84 Condition:

DBH: 9'1" The tree is sound. Has pachysandra at the base. Remove limb. Cavities & stubs; needs corrective pruning.



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## Tree #85 Condition:

DBH: 10'1" The tree is sound. Has pachysandra at the base. Healthy canopy, stubs have healed.

Remove limb over street.

## Tree #86 Condition:

DBH: 11' The tree is sound. Has grass at the base.

Some dead branches. Many cavities & long stubs; needs corrective pruning.

## Tree #87 Condition:

DBH: 11' The tree is sound. Has grass at the base.

Many cavities & stubs; needs corrective pruning.

## Tree #88 Condition:

DBH: 12' The tree is sound. Has grass at the base.

Healthy canopy. Cavities & stubs; needs corrective pruning.

## Tree #89 Condition:

The tree is sound. Has pachysandra at the base.

Some new growth. Large cavities; needs corrective pruning.

## Tree #90 Condition:

DBH: 11'9" The tree is sound. Has grass at the base.

Wires rubbing against tree. Limb damage.

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Many cavities & stubs; needs corrective pruning.



## Tree #91 Condition:

Recommend removal.  
Has pachysandra at base.  
Rot at the base. Termites.

## Tree #92 Condition:

The tree is sound. Has grass at the base.  
Cavities throughout; needs corrective pruning.

## Tree #93 Condition:

The tree is sound. Has pachysandra at the base.  
Light dead growth.  
Many cavities & stubs; needs corrective pruning.

## Tree #94 Condition:

The tree is sound. Has grass at the base.  
Large cavity causing rot 7' up; needs corrective pruning.

## Tree #95 Condition:

The tree is sound. Has pachysandra at the base. Light new growth.  
Many cavities & stubs; needs corrective pruning.



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OFFICE (732) 938-6183

E-MAIL [treexpert@yahoo.com](mailto:treexpert@yahoo.com)

**Client:** Fair Haven Boro

**Date:** 03/6/2020

**Location:** Buttonwood Lane

## Tree #96 Condition:

The tree is sound. Has grass at the base. New growth.  
Cavities throughout, limb damage; needs corrective pruning.

## Tree #97 Condition:

The tree is sound. Has pachysandra at the base. Light new growth.  
Many cavities & stubs; needs corrective pruning.

## Tree #98 Condition:

The tree is sound. Has pachysandra at the base.  
Remove dead limbs.  
Many cavities & stubs; needs corrective pruning.

## Tree #99 Condition:

Recommend removal. Sick/dying.  
Heavy rot at base.

## Tree #100 Condition:

The tree is sound. Has grass at the base. Remove  
dead limbs.  
Many cavities & stubs; needs corrective pruning.

## Tree #101 Condition:

The tree is sound. Has grass at the base. Some rot. Active growth.



# ZIG PANEK

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Many cavities & stubs; needs corrective pruning.

## Tree #102 Condition:

The tree is sound. Has grass at the base. Remove dead limbs.  
Many cavities & stubs; needs corrective pruning.  
Rot at base - second opinion suggested.

## Tree #103 Condition:

The tree is sound. Has grass at the base. Light  
dead branches.  
Large, bad cavity at top on split limb.  
Cavities & stubs; needs corrective pruning.

## Tree #104 Condition:

The tree is sound. Has grass at the base. Active  
new growth.  
Many cavities & stubs; needs corrective pruning.

## Tree #105 Condition:

The tree is sound. Has grass at the base. Active  
new growth.  
Cavities & stubs; needs corrective pruning.

## Tree #106 Condition:

The tree is sound. Has grass at the base. One of the better trees.  
Some cavities higher up; needs corrective pruning.



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## Tree #107 Condition:

The tree is sound. Has grass at the base. Active new growth.  
Large cavity in sensitive spot; needs corrective pruning.

## Tree #108 Condition:

The tree is sound. Has grass at the base.  
Large cavities & stubs; needs corrective pruning.

## Tree #109 Condition:

The tree is sound. Has grass at the base. Active new growth.  
Cavities & stubs; needs corrective pruning.

## Tree #110 Condition:

The tree is sound. Has grass at the base. Remove lower limb for balance.  
Cavities & stubs; needs corrective pruning.

## Tree #111 Condition:

The tree is sound. Has grass at the base. One of the better trees.  
Some cavities; needs corrective pruning.

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## Tree #112 Condition:

The tree is sound. Has grass at the base.  
Cavities & stubs; needs corrective pruning.

## Tree #113 Condition:

The tree is sound. Has grass at the base. Active new growth.  
Cavities & stubs; needs corrective pruning.

## Tree #114 Condition:

The tree is sound. Has grass at the base. Light dead growth.  
Cavities & stubs; needs corrective pruning.

## Tree #115 Condition:

The tree is sound. Has pachysandra at the base.  
Cavities & stubs; needs corrective pruning.

## Tree #116 Condition:

The tree is sound. Has pachysandra at the base.  
Light cavities; needs corrective pruning.

## Tree #117 Condition:

DBH: 6' The tree is sound. Has pachysandra at the base.  
Younger tree in the alley. Aggressive pruning was done, thin canopy.

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**Location:** Buttonwood Lane

## Tree #118 Condition:

The tree is sound. Has pachysandra at the base.  
Some cavities; needs corrective pruning.

## Tree #119 Condition:

The tree is sound. Has pachysandra at the base. Light dead growth.  
Cavities & stubs; needs corrective pruning.