

February 18, 2019

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Re: Shade Tree Health Evaluation and Report for 1009 and 1023 Casuarina Road, Delray Beach, Florida

Dear Mr. Jacobsen,

We visited the above-mentioned property on Monday, February 11, 2019 at your request to review the shade trees located on the property and review the remaining vegetation on the property. We were provided with a tree survey that indicated 26 trees and palms. Of these 26 trees and palms, five, were shade trees and 21 were palms. Upon our review of the property we found an additional 45 palms and one tree. We have marked up the original survey to include the approximate locations and include a number with a letter that corresponds with the tree table attached herein. It is noteworthy that the grouping of areca palms, *Dypsis lutescens* numbered as 25 M through 25V located on the east property line have Ganoderma conks at the base of their trunks. Additionally, coconut palm, *Cocos nucifera*, number 15, is showing early signs of Lethal Yellowing. This is significant, if relocation is being proposed for any of the palm's verification by a professional testing laboratory is recommended to confirm diagnosis of number 15 before recommending relocation of any palms on site.

This photographic report is specifically for the five shade trees located on the properties. Please note that our assessment was performed as a visual inspection from the ground (level 2), and no aerial inspections were performed.

Overview

The site is made up of two, two story multi-family structures. The site faces south.

The five shade trees include one *Ficus microcarpa*, Weeping fig tree number three, one *Persea Americana*, Avocado, listed as tree number nine, two *Eugenia spp*, Stoppers listed as tree numbers 10 and 13. One *Swietenia mahagoni*, Mahogany listed as tree number 24.

Please find more detailed description of each of the five shade trees below.

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Tree Three: Weeping fig, *Ficus microcarpa*, approximately 10 feet tall, six feet wide. The trees trunk diameter was 50 inches. The tree has very poor health and structure since it has been hatracked (headed) with very few leaves remain. The tree is a stump covered with vines and located immediately beneath the overhead powerlines. The trees health condition is very poor with a 15% health condition percentage.

Tree Nine: *Persea americana*, Avocado approximately 30 feet tall, 15 feet wide, the tree was measured at breast height (dbh), 54 inches above ground level and was 13 inches in diameter. The tree has significant storm damage resulting in trunk wounds with cavities. The tree is in poor condition with a 30% health condition.

Tree 10: *Eugenia spp*, Stoppers 15 feet tall with a canopy of 15 feet the trunk of the tree was measured at dbh and was nine inches in diameter. The tree is declining with extensive dieback of twigs and the entire upper half of the tree. The tree is in poor health condition with a 30% health rating.

Tree 13: *Eugenia spp*, Stoppers 15 feet tall with a canopy of 15 feet the trunk of the tree was measured at dbh and was eight inches in diameter. The tree is declining with extensive dieback of twigs the eastern half of the tree is dead. The tree is in very poor health condition with a 15% health rating.

Tree 24: *Swietenia mahagoni*, Mahogany 25 feet tall with a canopy of 32 feet the trunk of the tree was measured at dbh and was 18 inches in diameter. The tree has good vitality and fair structure. The tree has codominant stems that formed seven above the ground level with a minor lean towards the south. The tree has very limited root space, having been confined within a five feet wide planting island. The tree has deflected its roots along the island towards the north. There are large surface roots visible. These roots should not be pruned since it may destabilize the tree. The tree has a health condition of 60%.

If preservation of this tree is desired then utilizing the guidelines in the *ANSI A300 (Part 5) - 2012: Management of Trees and Shrubs During Site Planning, Site Development, and Construction* and the companion Best Management Practices shall be utilized.

Photos;

Tree Three



View looking north

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Tree Nine



View looking east at Avocado

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Large wound with cavity where top was broken out of Avocado

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Tree 10



View looking northeast at Stopper, note dead top



View looking southeast at *Eugenia* spp demonstrating dieback and decline

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Tree 13



View looking north at Eugenia spp extensive decline with dead limbs throughout canopy

Tree 24



View looking west at Mahogany

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Surface roots indicated by white arrow

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View looking east of Mahogany, note codominant stems and minor lean

End Report

Jeremy T. Chancey

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