

STAFF REPORT

DATE: March 29, 2019

RE: **5220, 5224, 5228, & 5230 College Road**
(permit application # T2019-0135)

FROM: Karen DeMaria, City of Key West Urban Forestry Manager

An application was received requesting the removal of **(9) Silver Buttonwood, (2) Jamaican Dogwood, (4) African Tulip, (3) Mahogany, (2) Tropical Almond, (1) Bottlebrush, (1) Gumbo Limbo, (1) Pink Tabebuia, (1) Fiddlewood, (1) Jamaica Caper, and (1) Jatropha**. A site inspection was done and documented the following:

Tree Species: Silver Buttonwood (*Conocarpus erectus*)

Tree #2:









Diameter: 19.1"

Location: 80% (next to sidewalk)

Species: 100% (on protected tree list)

Condition: 60% (fair, low multitrunked, codominant trunks)

Total Average Value = 80%

Value x Diameter = 15.2 replacement caliper inches

Tree #9:





Tree #9a:

Diameter: 7"

Location: 80% (growing around utility structure)

Species: 100% (on protected tree list)

Condition: 40% (poor, multi trunked, was a shrub/hedge)

Total Average Value = 73%

Value x Diameter = 5.1 replacement caliper inches

Tree #9b:

Diameter: 9.5"

Location: 80% (growing around utility structure)

Species: 100% (on protected tree list)

Condition: 40% (poor, multi trunked, was a shrub/hedge)

Total Average Value = 73%

Value x Diameter = 6.9 replacement caliper inches

Tree #9c:

Diameter: 16"

Location: 80% (growing around utility structure)

Species: 100% (on protected tree list)

Condition: 40% (poor, multi trunked, was a shrub/hedge)

Total Average Value = 73%

Value x Diameter = 11.6 replacement caliper inches

Tree #25:



Tree #25a:

Diameter: 9"

Location: 80% (growing along fenceline)

Species: 100% (on protected tree list)

Condition: 40% (poor, overgrown shrub/hedge, part of canopy dead)

Total Average Value = 73%

Value x Diameter = 6.5 replacement caliper inches

Tree #25b:

Diameter: 25"

Location: 80% (growing along fenceline)

Species: 100% (on protected tree list)

Condition: 60% (fair, overgrown shrub/hedge)

Total Average Value = 80%

Value x Diameter = 20 replacement caliper inches

Tree #25c:

Diameter: 4"

Location: 80% (growing along fenceline)

Species: 100% (on protected tree list)

Condition: 60% (fair, overgrown shrub/hedge)

Total Average Value = 80%

Value x Diameter = 3.2 replacement caliper inches

Tree #46:



Diameter: 7.6"

Location: 80%

Species: 100% (on protected tree list)

Condition: 60% (fair)

Total Average Value = 80%

Value x Diameter = 6 replacement caliper inches

Tree #48:



Diameter: 7.2"

Location: 80%

Species: 100% (on protected tree list)

Condition: 60% (fair)

Total Average Value = 80%

Value x Diameter = 5.7 replacement caliper inches

Tree Species: Jamaican Dogwood (*Piscidia piscipula*)

Tree #5:





Diameter: 3.5"

Location: 80%

Species: 100% (on protected tree list)

Condition: 40% (poor, strong lean, one codominant trunk previously removed)

Total Average Value = 73%

Value x Diameter = 2.5 replacement caliper inches

Tree lump 8 consists of a large Jamaican Dogwood tree with a Mahogany (tree #8c) and Brazilian pepper tree (invasive exotic) growing with it.

Tree #8a:









Diameter: 21.9"

Location: 60% (growing intertwined with two other trees species)

Species: 100% (on protected tree list)

Condition: 40% (poor, decay in canopy branches and main trunks, poor structure)

Total Average Value = 66%

Value x Diameter = 14.4 replacement caliper inches

Tree Clump #7 consists of a large multi trunked African Tulip tree, a young mahogany tree and a clump of thatch palms. The Thatch Palms will be transplanted.

Tree Species: African Tulip (*Spathodea campanulata*)





Tree #7a

Mahogany
Tree #7b

Tree #7e

03/18/2019





Tree #7a:

Diameter: 22.6"

Location: 50% (in utility lines, roots intertwined with mahogany tree and thatch palms)

Species: 50% (not on protected or not protected tree list)

Condition: 50% (several trunks, poor structure)

Total Average Value = 50%

Value x Diameter = 11.3 replacement caliper inches

Tree #7e:

Diameter: 6.3"

Location: 40% (in utility lines and growing at base of pole, roots intertwined with mahogany tree and thatch palms)

Species: 50% (not on protected or not protected tree list)

Condition: 60% (fair)

Total Average Value = 50%

Value x Diameter = 3.1 replacement caliper inches

Tree clump #36 consists of (2) African Tulip trees, (1) African Tulip stump that has resprouted (not regulated), and (1) Ficus benjaminia (not regulated).





Ficus benjamina

Tree #36b

Tree 36d

Tree #36c-stump

07/23/2018



Tree
#36d

07/23/2018



Tree
#36b

07/23/2018



Tree #36b:

Diameter: 7.9" (double trunked)

Location: 60% (canopy impacted by adjacent tree)

Species: 50% (not on protected or not protected tree list)

Condition: 40% (codominant trunks, poor structure)

Total Average Value = 50%

Value x Diameter = 3.9 replacement caliper inches

Tree #36d:

Diameter: 7.3"

Location: 40% (growing at base of structure)

Species: 50% (not on protected or not protected tree list)

Condition: 40% (poor structure)

Total Average Value = 43%

Value x Diameter = 3.1 replacement caliper inches

Tree Species: Mahogany (Swietenia mahagoni)

Tree #7b:



Diameter: 5"

Location: 50% (canopy in utility lines, roots intertwined with other trees.)

Species: 100% (on protected tree list)

Condition: 50% (fair)

Total Average Value = 66%

Value x Diameter = 3.3 replacement caliper inches

Tree #8c:



Diameter: 20.7"

Location: 40% (growing intertwined in rootball of other trees)

Species: 100% (on protected tree list)

Condition: 40% (poor)

Total Average Value = 60%

Value x Diameter = 12.4 replacement caliper inches

Tree #15a:









03/18/2019



03/18/2019



Diameter: 31.8"

Location: 80%

Species: 100% (on protected tree list)

Condition: 50% (fair, a lot of storm damage in canopy, decay, poor structure)

Total Average Value = 76%

Value x Diameter = 24.1 replacement caliper inches