STAFF REPORT

DATE: March 29, 2019

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

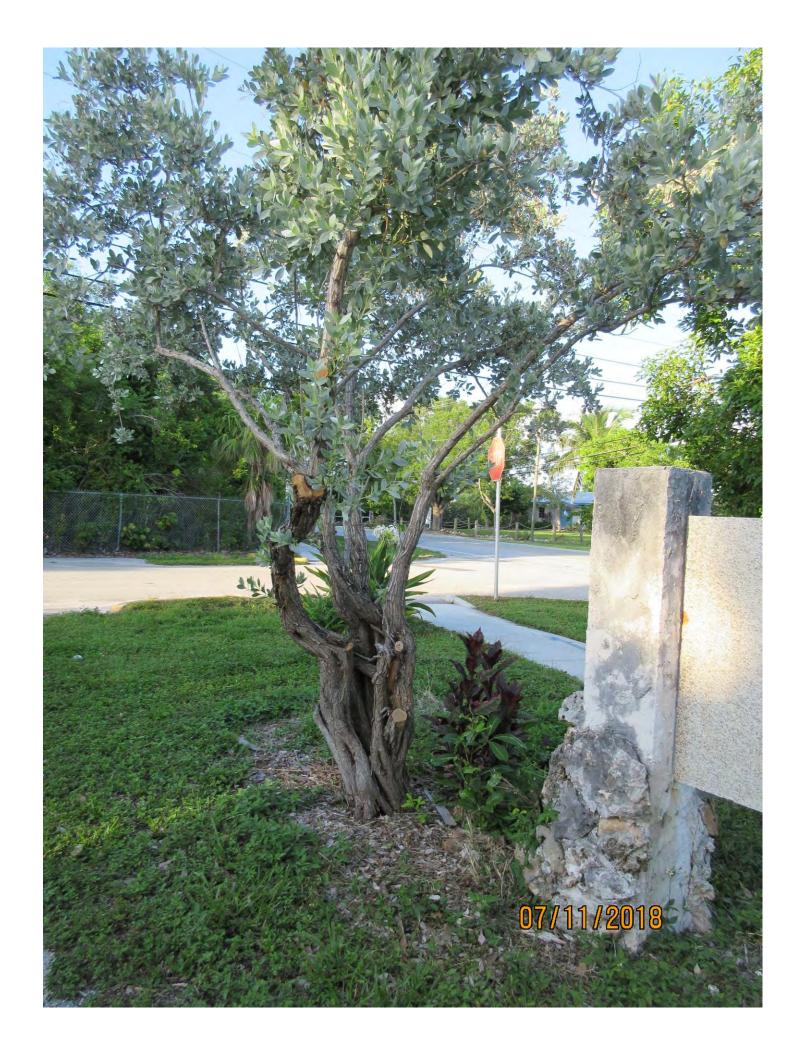
FROM: Karen DeMaria, City of Key West Urban Forestry Manager

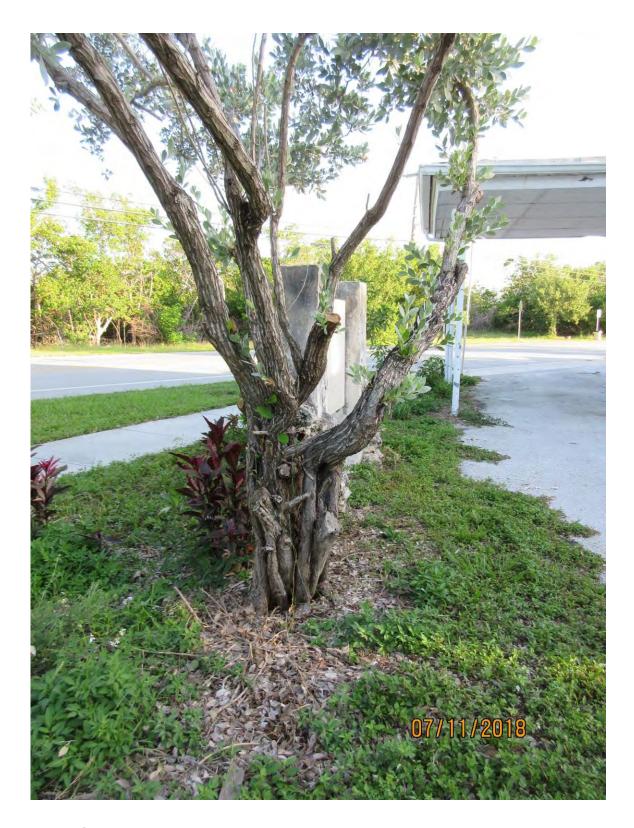
An application was received requesting the removal of (9) Silver Buttonwood, (2) Jamaican Dogwood, (4) African Tulip, (3) Mahogany, (2) Tropical Almond, (1) Bottlebrush, (1) Gumbo Limbo, (1) Pink Tabebuia, (1) Fiddlewood, (1) Jamaica Caper, and (1) Jatropha. A site inspection was done and documented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

Tree Species: Silver Buttonwood (Conocarpus erectus)









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)

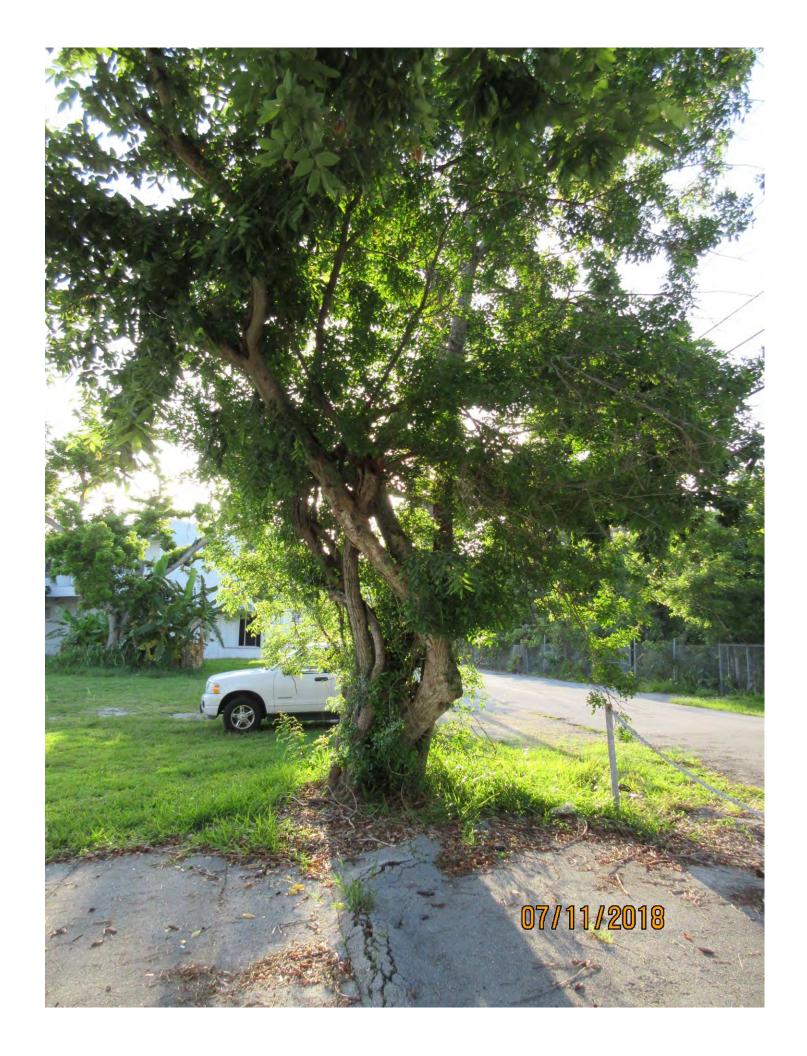
Total Average Value = 73%

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:

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%

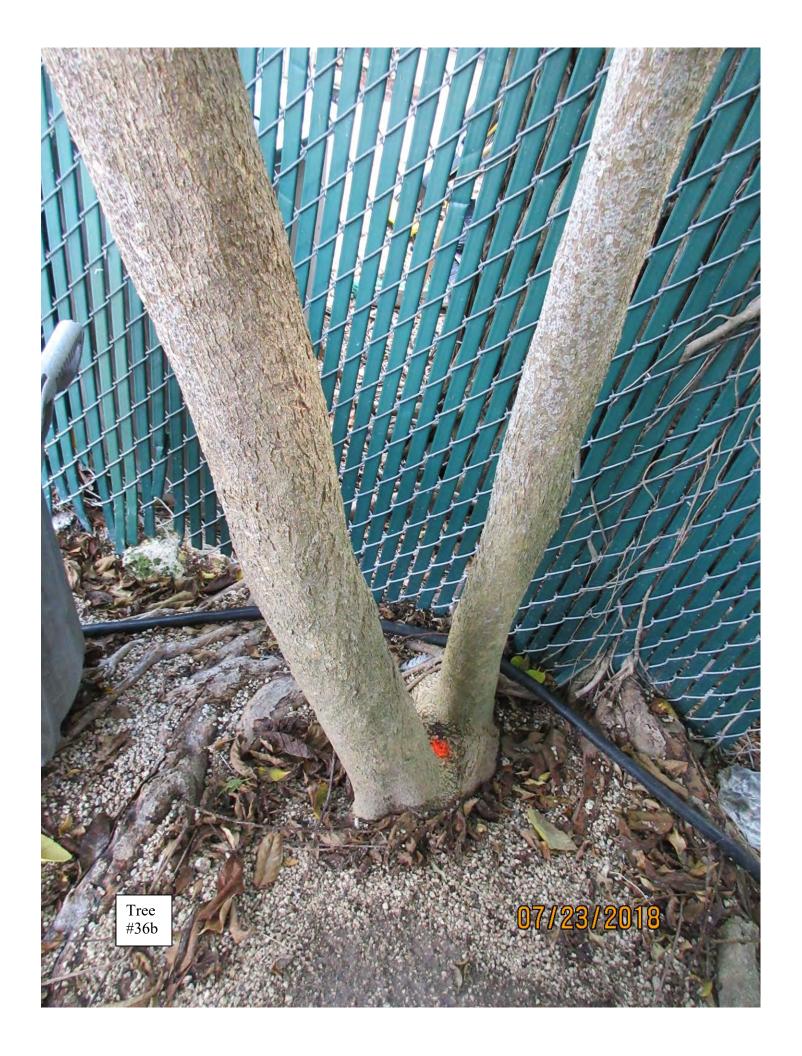
Value x Diameter = 3.1 replacement caliper inches

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













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)

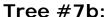
Species: 50% (not on protected or not protected tree list)

Condition: 40% (poor structure)

Total Average Value = 43%

Value x Diameter = 3.1 replacement caliper inches

Tree Species: Mahogany (Swietenia mahagoni)





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 interwined 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:

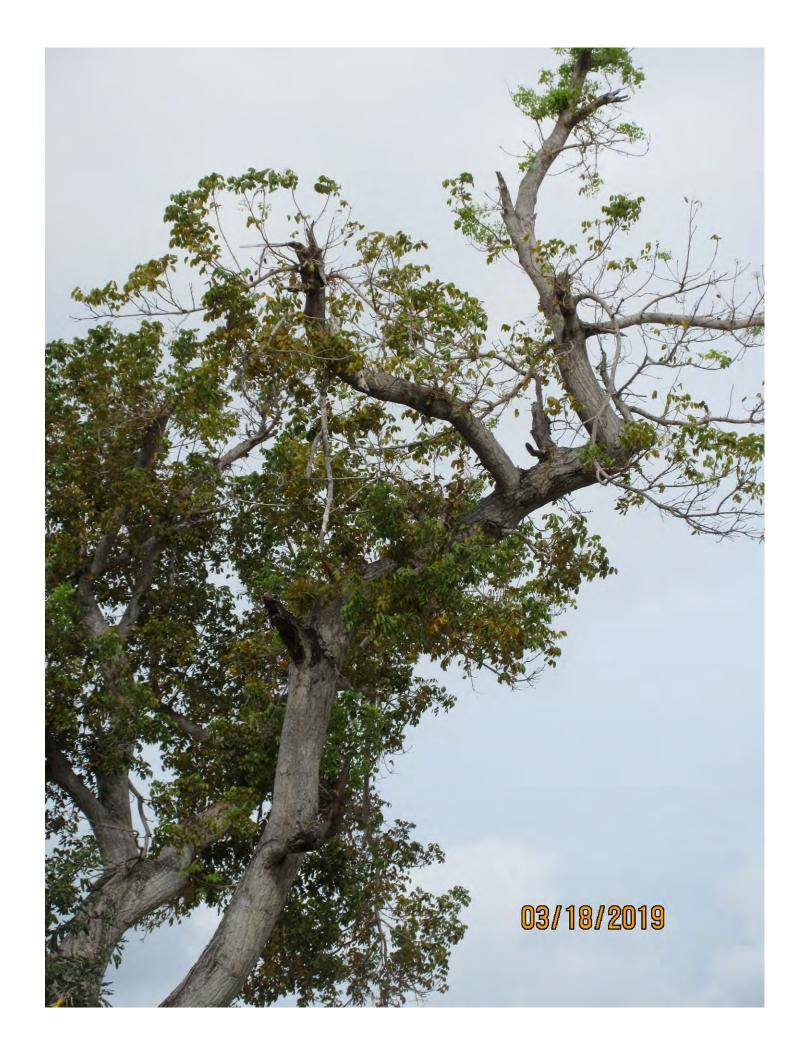


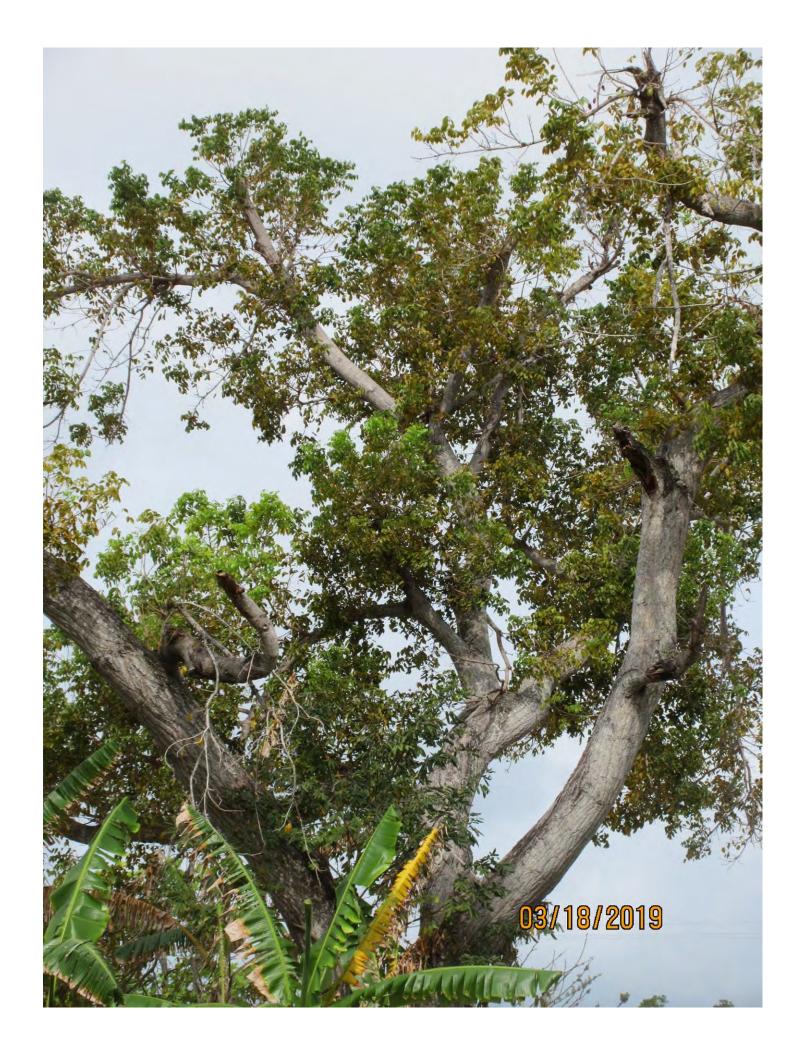














Diameter: 31.8" Location: 80%

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