

STAFF REPORT

DATE: February 26, 2016

RE: **1664 Dunlap Drive-Poinciana Gardens**
(permit application # T16-7794)

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

An application was received requesting Conceptual Landscape Plan Approval for the construction of a Senior Housing Project to include the removal of **(5) Gumbo Limbos, (3) Bottlebrush trees, (3) Royal Poinciana trees, (1) Sapodilla, (1) Pongam, and (1) Coconut Palm.** A site inspection was done on December 21, 2015 and February 26, 2016 and documented the following:

Tree #1: Gumbo Limbo (*Bursera simaruba*)









Diameter: 32"

Location: 80%

Species: 100% (on protected tree list)

Condition: 60% (fair, a large tree, lots of exposed surface roots, some crossed branches in canopy)

Total Average Value = 80%

Value x Diameter = 25 replacement caliper inches

Tree #3: Coconut Palm



Required replacement is one (1) native palm.

Tree #4: Gumbo Limbo (*Bursera simaruba*)







Diameter: 16"

Location: 80%

Species: 100% (on protected tree list)

Condition: 40% (poor, hole and decay in main trunk below canopy)

Total Average Value = 73%

Value x Diameter = 11 replacement caliper inches

Tree #6: Pongam (*Millettia pinnata*)







Diameter: 52"

Location: 80%

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

Condition: 50% (fair to poor, lots of decay in canopy)

Total Average Value = 60%

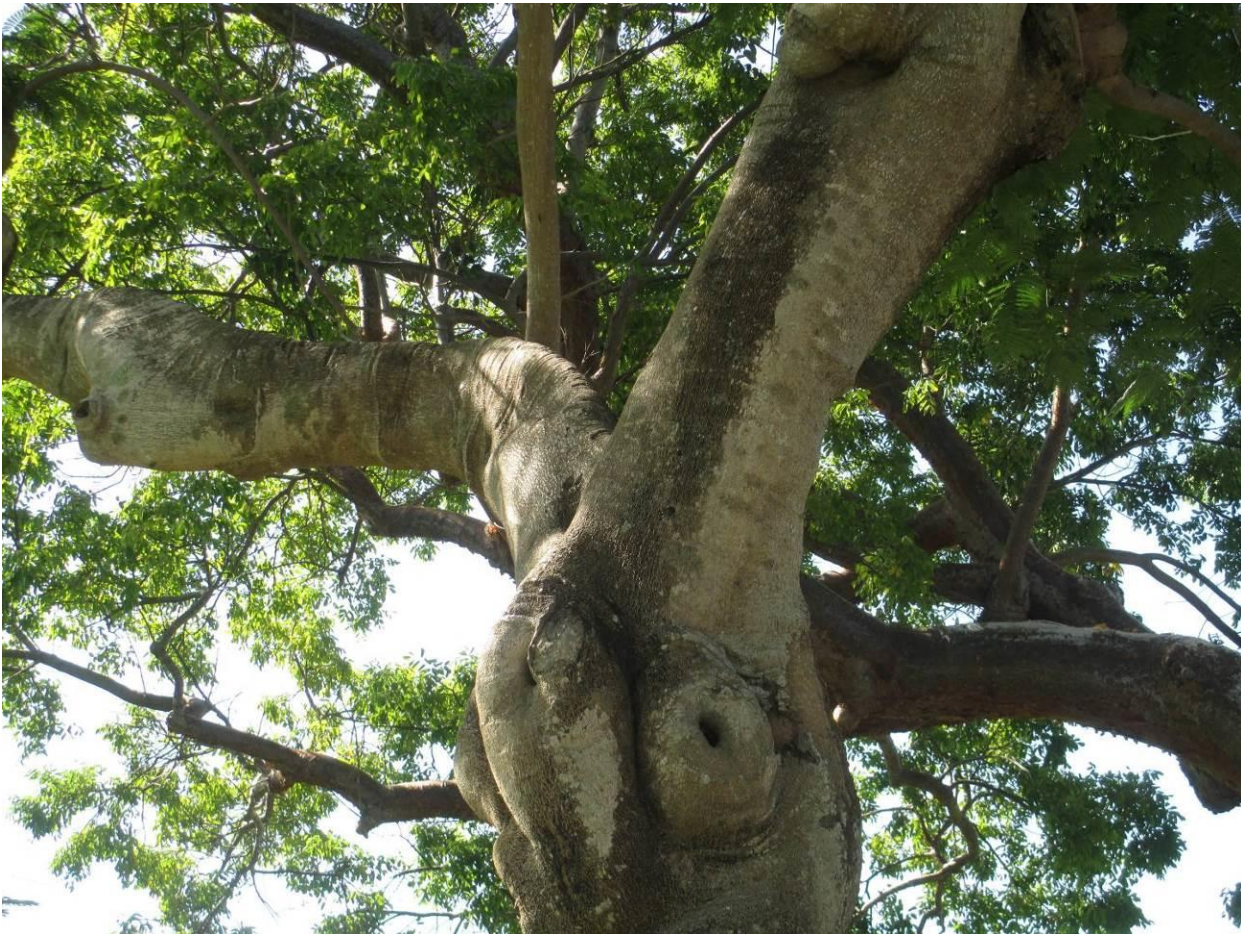
Value x Diameter = 31 replacement caliper inches

Tree #7: Royal Poinciana (*Delonix regia*)













Diameter: 22"

Location: 60% (close to an existing utility pole)

Species: 100% (on protected tree list)

Condition: 50% (fair to poor, lots of decay in canopy and main trunk)

Total Average Value = 70%

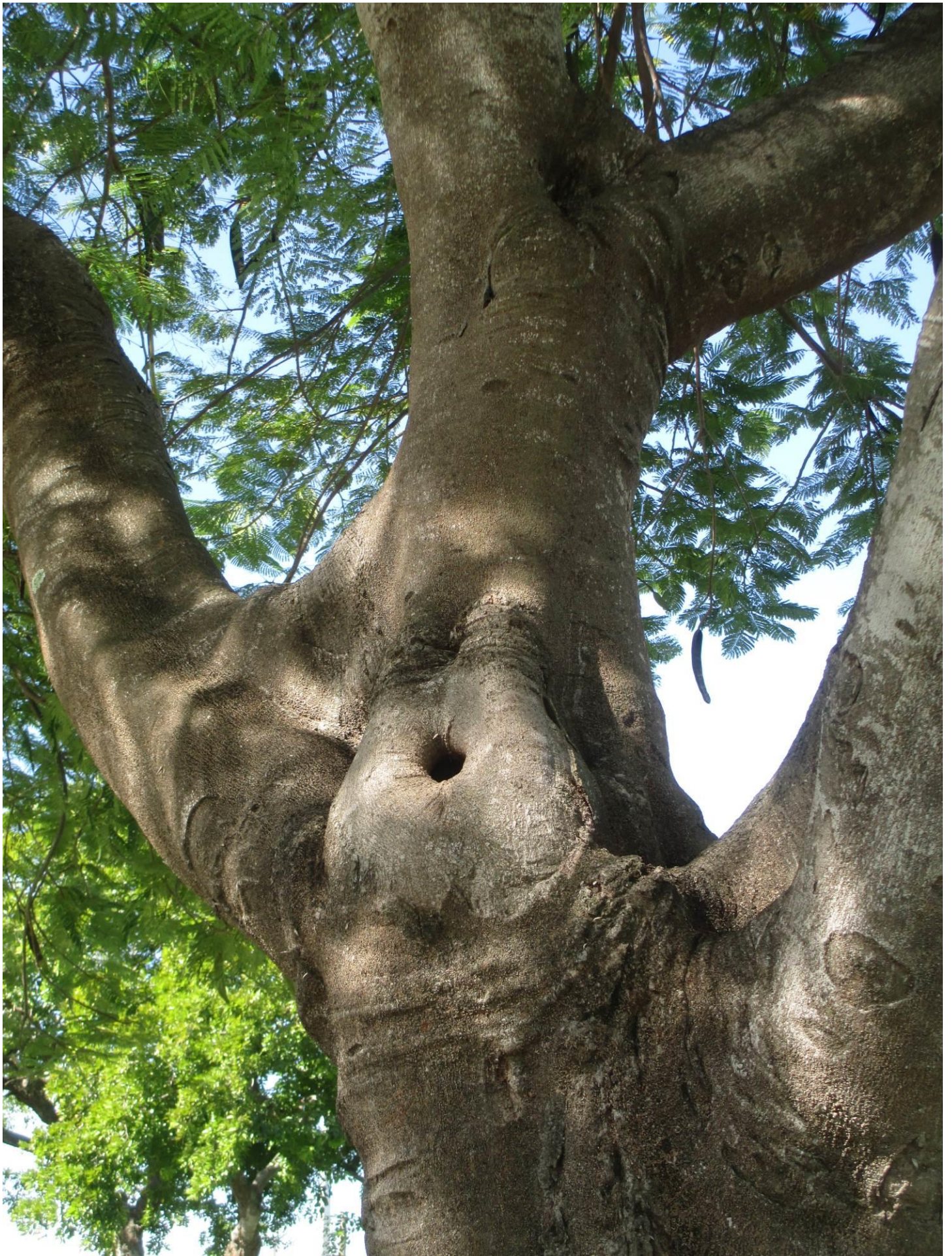
Value x Diameter = 15 replacement caliper inches

Tree #8: Royal Poinciana (*Delonix regia*)













Diameter: 26"

Location: 80%

Species: 100% (on protected tree list)

Condition: 30% (poor, hole in the base, lots of decay in canopy and in main trunk system)

Total Average Value = 70%

Value x Diameter = 18 replacement caliper inches

Tree #9: Gumbo Limbo (*Bursera simaruba*)









Diameter: 12"

Location: 70% (exposed surface roots close to back porch area)

Species: 100% (on protected tree list)

Condition: 20% (very poor-evidence of disease or insects in main trunk)

Total Average Value = 63%

Value x Diameter = 7 replacement caliper inches

Tree #11: Gumbo Limbo (*Bursera simaruba*)









Diameter: 21"

Location: 80%

Species: 100% (on protected tree list)

Condition: 20% (diseased)

Total Average Value = 66%

Value x Diameter = 13 replacement caliper inches

Tree #12: Sapodilla (*Manilkara zapota*)











Diameter: 36"

Location: 80%

Species: 100% (on protected tree list)

Condition: 30% (poor, lots of decay)

Total Average Value = 70%

Value x Diameter = 25 replacement caliper inches

Tree #14: Royal Poinciana (*Delonix regia*)







Diameter: 14"

Location: 60% (roots impacting public open area)

Species: 100% (on protected tree list)

Condition: 40% (some decay, lot of exposed surface roots)

Total Average Value = 66%

Value x Diameter = 9 replacement caliper inches

Tree #15: Bottlebrush (*Callistemon viminalis*)



Diameter: 10"

Location: 70%

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

Condition: 40% (poor, strong lean)

Total Average Value = 53%

Value x Diameter = 5 replacement caliper inches

Tree #16: Bottlebrush (*Callistemon viminalis*)





Diameter: 11"

Location: 70%

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

Condition: 30% (poor, major decay at old cut in canopy)

Total Average Value = 50%

Value x Diameter = 5 replacement caliper inches

Tree #17: Bottlebrush (*Callistemon viminalis*)









Diameter: 22"

Location: 60% (one trunk on wall)

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

Condition: 50% (fair to poor, codominant trunks)

Total Average Value = 53%

Value x Diameter = 11 replacement caliper inches

Tree #18: Bottlebrush (*Callistemon viminalis*)







Diameter: 9"

Location: 70%

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

Condition: 30% (poor)

Total Average Value = 50%

Value x Diameter = 4 replacement caliper inches

Tree #19: Gumbo Limbo (*Bursera simaruba*)





Diameter: 8"

Location: 20% (growing in fire/water line area)

Species: 100% (on protected tree list)

Condition: 30% (poor, sprawling, multi trunked)

Total Average Value = 50%

Value x Diameter = 4 replacement caliper inches

Total required tree replacements:

Tree #1 Gumbo Limbo = 25"

Tree #6 Pongam = 31"

Tree #8 Royal Poinciana = 18"

Tree #11 Gumbo Limbo = 13"

Tree #14 Royal Poinciana = 9"

Tree # 16 Bottlebrush = 5"

Tree #19 Gumbo Limbo = 4"

Tree #4 Gumbo Limbo = 11"

Tree #7 Royal Poinciana = 15"

Tree #9 Gumbo Limbo = 7"

Tree #12 Sapodilla = 25"

Tree #15 Bottlebrush = 5"

Tree #17 Bottlebrush = 11"

Total = 179 caliper inches

Tree #3 Coconut Palm = 1-native palm

TRANSPLANT: Tree #10-Gumbo Limbo (*Bursera simaruba*)





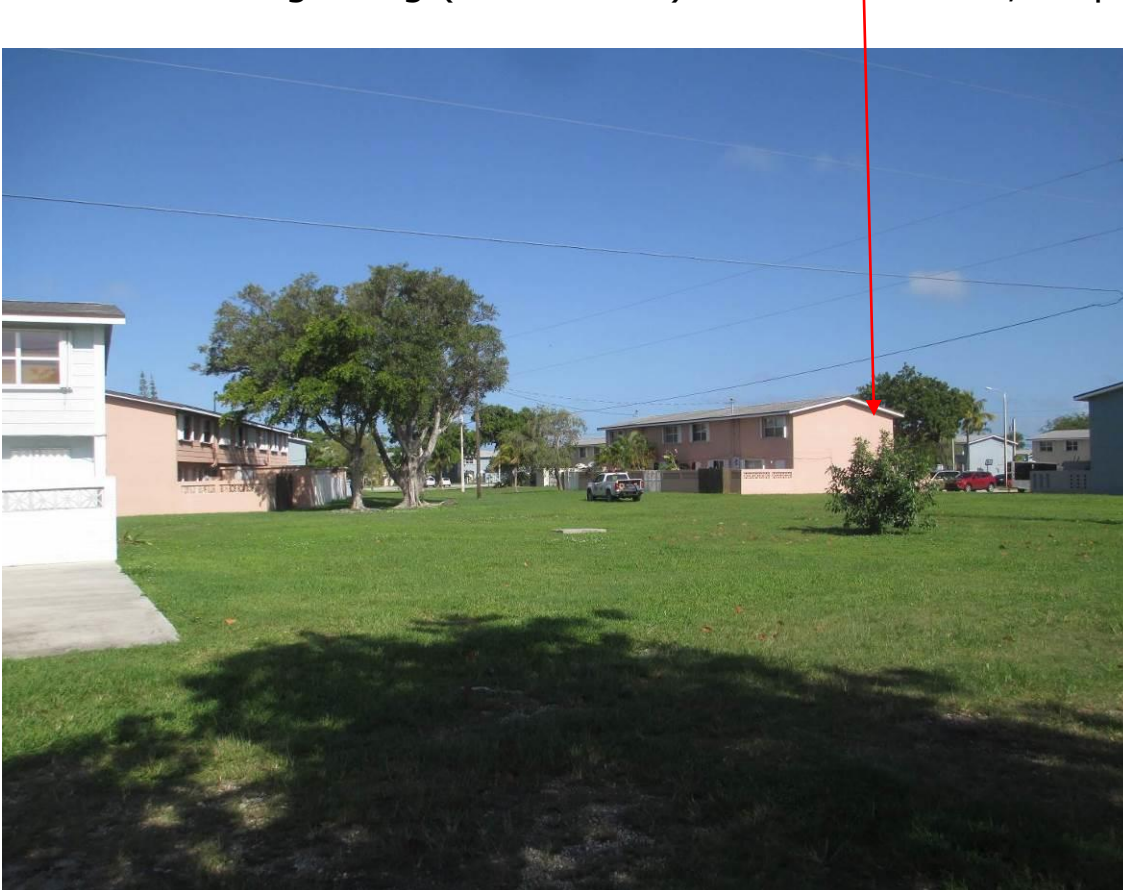
Removal No Permit required

Tree #2: Woman's Tongue (*Albizia lebbek*)



Diameter: 16"
(less than 24"
dbh, no permit
required for
removal)

Tree #5: Strangler Fig (*Ficus aurea*)-shrub not a tree, no permit required



TO REMAIN: Tree #13: Gumbo Limbo (*Bursera simaruba*)







Diameter: 13"

Overall View of Proposed Work Area:







