

STAFF REPORT

DATE: December 26, 2018 and January 28, 2019

RE: **831 Georgia Street (permit application # T2018-0145)**

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

An application was received requesting the removal of **(2) Gumbo Limbo and (1) Mahogany tree**. A site inspection was done and documented the following:



Olivia Street







The property is currently a vacant lot. The property owner is seeking approval to build a residence on the lot.

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



Mahogany
#2

12/12/2018







12/12/2018





12/12/2018



Diameter: 11.1"

Location: 70% (lots of structural surface roots intertwined with two other trees, middle of the yard tree)

Species: 100% (on protected tree list)

Condition: 70% (good health, lopsided canopy structure)

Total Average Value = 80%

Value x Diameter = 8.8 replacement caliper inches

Tree #2





Diameter: 7"

Location: 80%

Species: 100% (on protected tree list)

Condition: 80% (good health)

Total Average Value = 86%

Value x Diameter = 6 replacement caliper inches

Tree Species: Mahogany (Swietenia mahagoni)



Mahogany tree #2

Gumbo Limbo #1







01/09/2019



01/09/2019



01/09/2019



Diameter: 9.8"

Location: 60% (roots heavily intertwined with Schefflera tree, middle of the yard tree)

Species: 100% (on protected tree list)

Condition: 50% (fair to poor, lopsided canopy structure-one sided with a heavy lean, poor structure)

Total Average Value = 70%

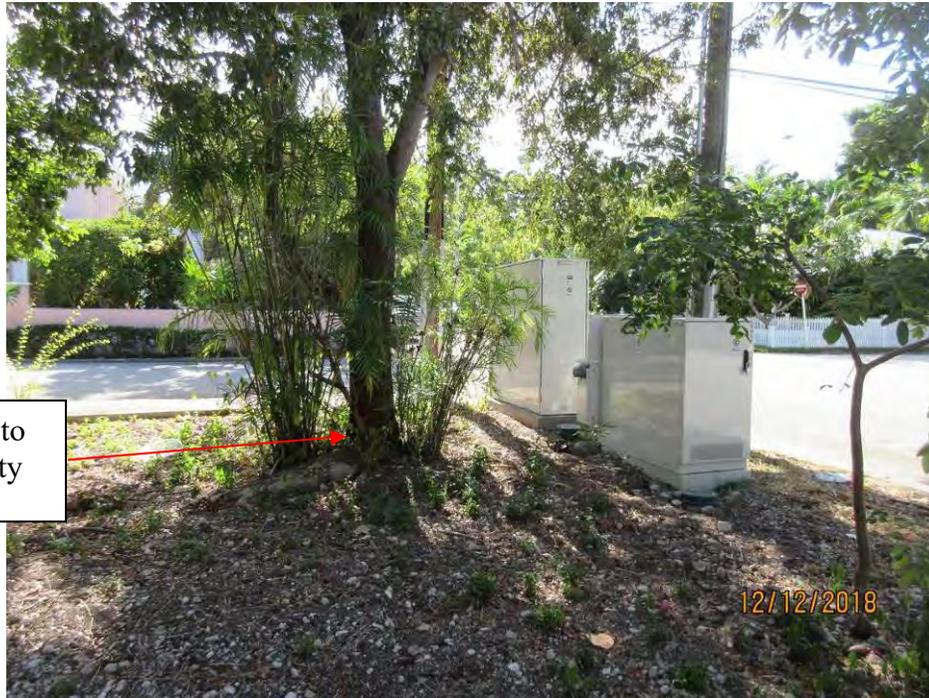
Value x Diameter = 6.8 replacement caliper inches

If removal of all three trees is approved, total replacement inches would be 21.6".

NOTE: Could any of the Gumbo limbo trees be transplanted? Can the project be redesigned to avoid impacts?

Along with the removals, several trees and palms are to be transplanted; 2- Strongbark, 2-Gumbo Limbo, 1-Spanish Lime, 1-Sabal Palm, and 1-Alexander Palm.

Other regulated trees on the property and their status:



Mahogany tree #1 is to remain on the property



Mahogany #1

Gumbo Limbo #4 to be transplanted

Jamaican Dogwood and smaller Gumbo limbo to remain



Sabal Palm to be transplanted

Gumbo Limbo #3, Strongbark #1 & #2 to be transplanted

12/19/2018

Alexander Palm to be transplanted



Spanish Lime to be transplanted



Another view of Sabal Palm to be transplanted



Washingtonian Palm and Jamaican Caper
to remain

12/19/2018

Remove

Transplant

New Transplant locations

Existing Tree Inventory Table

	NAME	SCIENTIFIC NAME	COUNT	DBH (in)	STATUS
1	Existing Tree	/	2		Remain
2	Existing Tree	/	2		Remain
3	Gumbo Limbo	Bursera simaruba	1	5	Transplant
4	Existing Tree	/	1		Remain
5	Existing Tree	/	1		Remain
6	Mahogany	Swietenia mahagoni	1		Remain
7	Gumbo Limbo	Bursera simaruba	1		Remove
8	Mahogany	Swietenia mahagoni	1	9.5	Remove
9	Schefflera	Schefflera	6		Remove
10	Royal Poinciana	Delonix regia	2	28.1.75	Remove
11	Sabal Palm	Sabal palmetto	1		Transplant
12	Strongbar Tree	Bourreria	1	1.25	Transplant
13	Gumbo Limbo	Bursera simaruba	1	3.75	Transplant
14	Strongbar Tree	Bourreria	1	2	Transplant
15	Gumbo Limbo	Bursera simaruba	1	6.5	Remove
16	Spanish Lime	Melicoccus bijugatus	1	3	Transplant
17	Alexander Palm	Archontophoenix alexandrae	1	3.5	Transplant
18	Jamaica Caper	Capparis cynophallophora	1		Remain
19	Washington Palm	Washingtonia	1		Remain

2 = Jamaica Caper Shrub
4 = Jamaican Dogwood
5 = Gumbo Limbo

Lead Tree (Not Regulated -) invasive

Strongbar-k

Jamaican

Transplant & New Tree Table

	NAME	SCIENTIFIC NAME	DBH (in)	DESCRIPTION
T1	Sabal Palm	Sabal palmetto	/	Transplant Tree 11
T2	Gumbo Limbo	Bursera simaruba	5	Transplant Tree 3
T3	Gumbo Limbo	Bursera simaruba	3.75	Transplant Tree 13
T4	Strongbar Tree	Bourreria	1.25	Transplant Tree 12
T5	Spanish Lime	Melicoccus bijugatus	3	Transplant Tree 16
T6	Strongbar Tree	Bourreria	2	Transplant Tree 14
T7	Alexander Palm	Archontophoenix alexandrae	3.5	Transplant Tree 17
N1	Gumbo Limbo	Bursera simaruba	6	New Tree
N2	Gumbo Limbo	Bursera simaruba	6	New Tree
N3	Gumbo Limbo	Bursera simaruba	4	New Tree
N4	Gumbo Limbo	Bursera simaruba	4	New Tree
N5	Royal poinciana	Delonix regia	4	New Tree

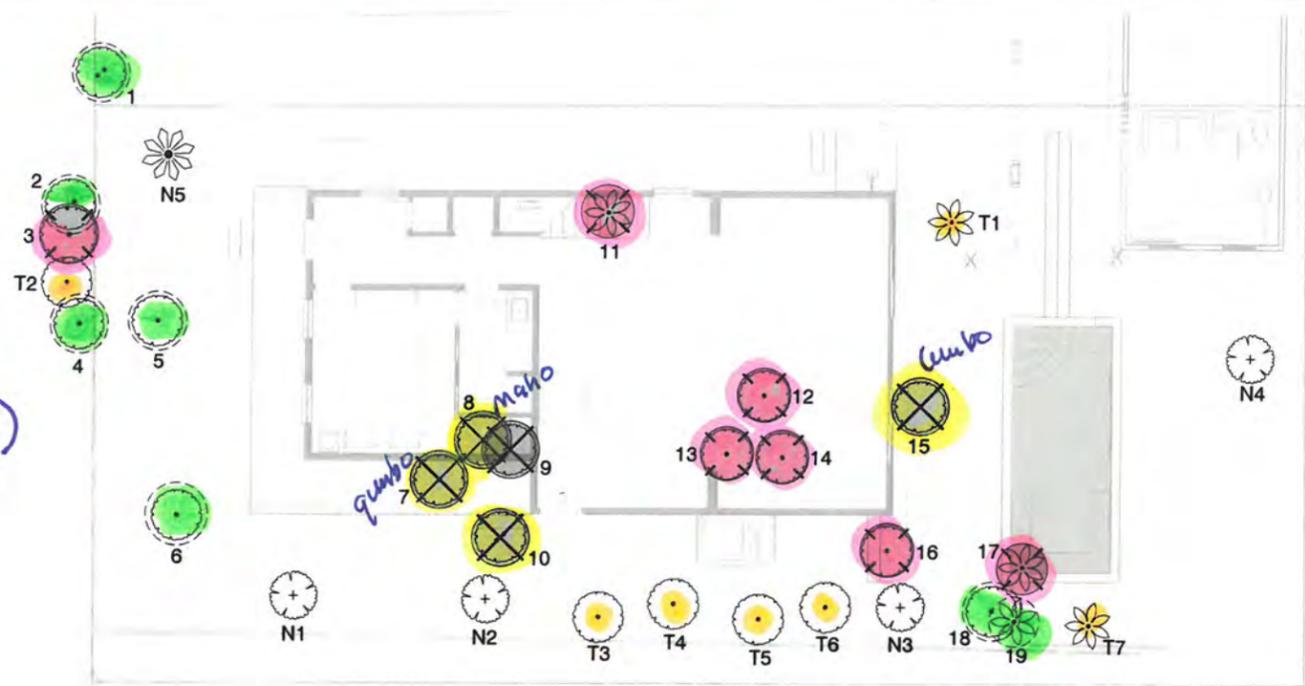
T = Transplant Tree N = New Tree

Total Inches Removed

TREE No.	NAME	SCIENTIFIC NAME	DIAMETER (in)	REPLACEMENT VALUE (in)
7	Gumbo Limbo	Bursera simaruba	11.1	8.8
8	Mahogany	Swietenia mahagoni	/	
9	Schefflera	Schefflera	NRP	
10	Royal Poinciana	Delonix regia	/	
15	Gumbo Limbo	Bursera simaruba	7	6

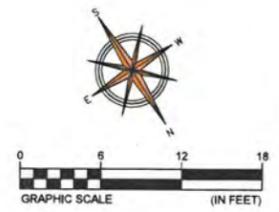
Lead Tree

Total New Replacement Inches = 24"

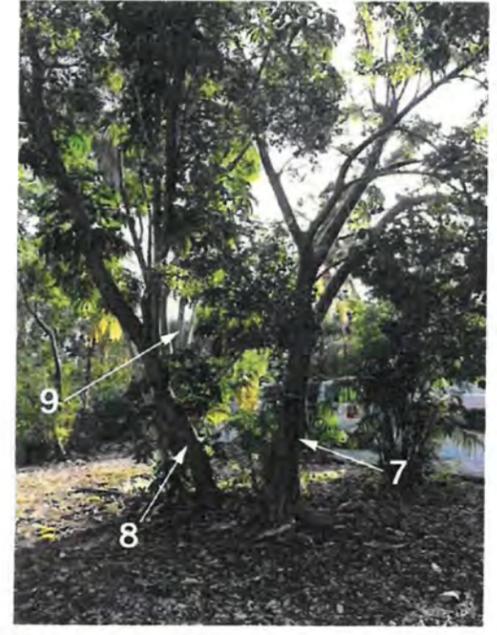


LEGEND & SYMBOLS

- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE TRANSPLANTED
- EXISTING TREE TO BE REMOVED



Photos: Trees to be Removed



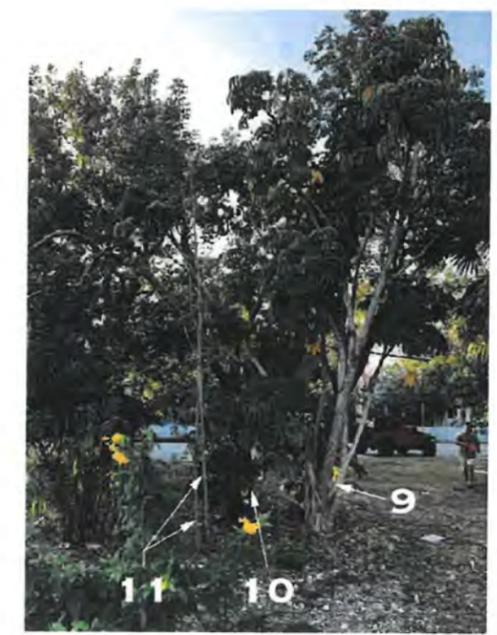
Tree No. 7,8,9



Tree No. 15



Tree No. 10



Tree No.11

DRAWING TITLE:
PROPOSED LANDSCAPE PLAN

DRAWN: ESD/PSK
CHECKED: /
DATE: 12-28-2018

#1	01-04-2019

LI.O
SHEET #

a new residence for
kwrh llc
831 GEORGIA ST.
KEY WEST, FL 33040

Fifth Oropesa
Landscape Architect
LA 0001023