

STAFF REPORT

DATE: June 2, 2016

RE: **532 Caroline Street (permit application # T16-7989)**

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

An application was received requesting the removal of (12) Jamaican Capers, (10) Spanish Stoppers, (3) Ironwood, (1) Buttonwood, (1) Red Stopper, (1) Simpson Stopper, (1) Cassia tree, (1) Ylang Ylang tree and (1) Allspice tree. A site inspection was done on May 27, 2016 and documented the following:

Overall site photos



CAROLINE STREET VIEW



3-Spanish Stoppers

CAROLINE STREET VIEW



1-Simpson and 3-Spanish stoppers

1-Spanish stopper, 1-red stopper, and 3-Jamaican capers

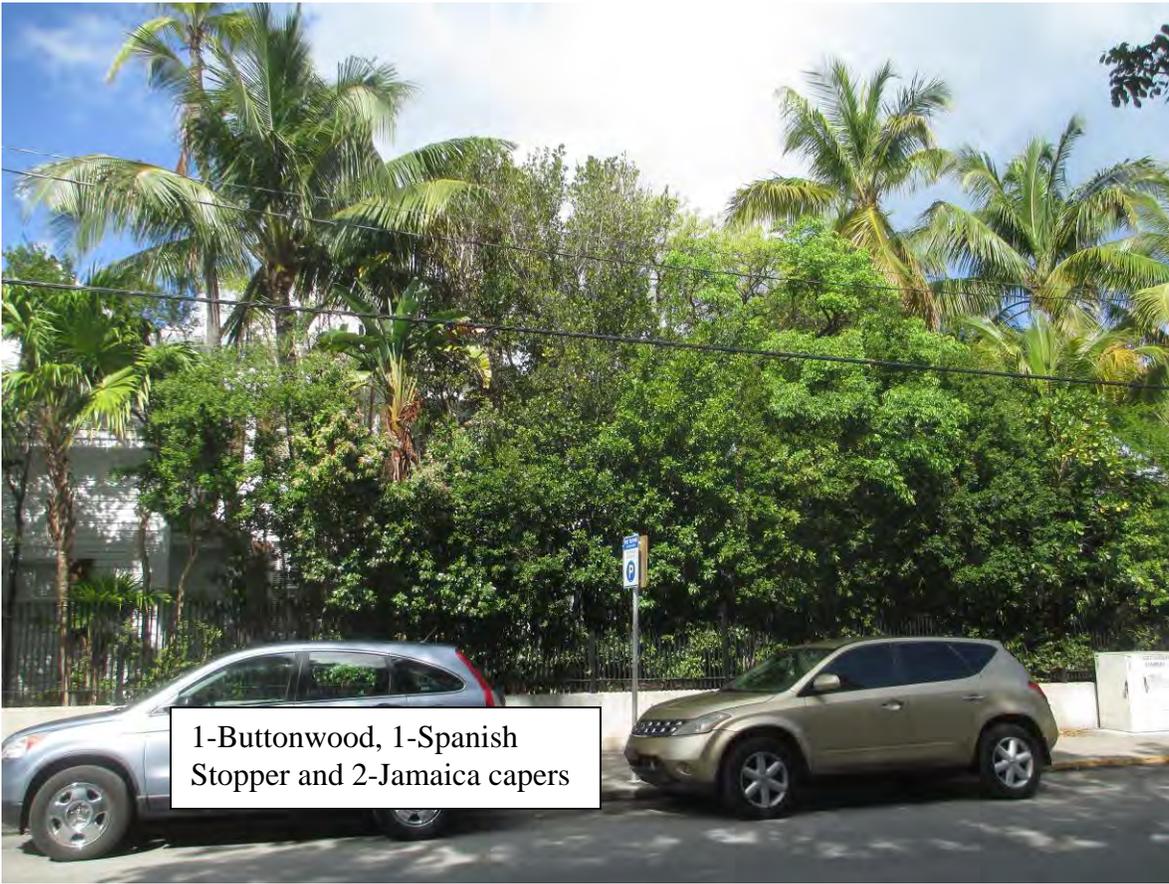


2-Jamaica capers
(under mimosa tree)

CORNER OF CAROLINE AND SIMONTON STREETS



4-Jamaica capers



1-Buttonwood, 1-Spanish
Stopper and 2-Jamaica capers

CAROLINE STREET VIEW



2-Ironwood



Property owner plans on relandscaping the fence area for more privacy. Plans include the planting of appropriate native plant species to recreate the screening that once was there. Most of the trees being removed are plants originally planted to screen the property and are impacting the fence. Work will enhance the existing larger canopy trees in the fence area.



Plan/NTS /KKD /5-2016

← Caroline street →

entry way

PARKING

POOL

HOUSE

↑ SIMONTON STREET ↓

Rose Lane

- J: Jamaica Caper
- S: Spanish Stopper
- Ⓢ: Simpson Stopper
- B: Buttonwood
- I: Ironwood

- Ⓨ: ylang ylang tree
- Ⓒ: cassia tree
- Ⓐ: Allspice tree

Tree Species: Jamaica Caper (*Capparis cynophallophora*)



JC #1



JC #2,
#3, and
#4



JC
#5



JC #6, #7,
and #8



JC #8, #9,
and #10



JC #11

SPS #8



JC #12

Total Diameter of 12 Trees: 57"

Location: 60% (growing on fence)

Species: 100% (on protected tree list)

Condition: 40% (poor)

Total Average Value = 66%

Value x Diameter = 37.6 replacement caliper inches

Tree Species: Spanish Stopper (*Eugenia foetida*)



SPS #2

SPS #1



SPS
#2



SPS #3



SPS
#4



SPS #5,
#6, and
#7



SPS
#8



SPS #9



SPS
#10

Total Diameter of 10 trees: 26"

Location: 60% (Impacting fence)

Species: 100% (on protected tree list)

Condition: 40% (poor)

Total Average Value = 66%

Value x Diameter = 17.1 replacement caliper inches

Tree Species: Ironwood (*Krugiodendron ferreum*)



IW #1



Fungi decay in IW #1 canopy



IW
#2



IW
#2



IW
#3

AS

Total Diameter for 3 Trees: 13"
Location: 60% (Impacting fence)
Species: 100% (on protected tree list)
Condition: 40% (poor)
Total Average Value = 66%
Value x Diameter = 8.5 replacement caliper inches

Tree Species: Buttonwood (*Conocarpus erectus*)



Diameter: 1"

Location: 60% (Impacting fence)

Species: 100% (on protected tree list)

Condition: 40% (poor)

Total Average Value = 66%

Value x Diameter = 0.6 replacement caliper inches

Tree Species: Red Stopper (*Eugenia rhombea*)



Diameter: 3"

Location: 60% (Impacting fence)

Species: 100% (on protected tree list)

Condition: 40% (poor)

Total Average Value = 66%

Value x Diameter = 2 replacement caliper inches

Tree Species: Simpson Stopper (*Eugenia simpsonii*)



Diameter: 3"

Location: 60% (Impacting fence)

Species: 100% (on protected tree list)

Condition: 40% (poor)

Total Average Value = 66%

Value x Diameter = 2 replacement caliper inches

Tree Species: Cassia sp.









Diameter: 5"

Location: 60% (close to house)

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

Condition: 40% (poor)

Total Average Value = 50%

Value x Diameter = 2.5 replacement caliper inches

Tree Species: Ylang Ylang (*Cananga odorata*)









Diameter: 10.5"

Location: 60% (close to house)

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

Condition: 40% (poor)

Total Average Value = 50%

Value x Diameter = 5.2 replacement caliper inches

Tree Species: Allspice (*Pimenta dioica*)



Diameter: 4"

Location: 60% (Impacting fence-wall)

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

Condition: 40% (poor)

Total Average Value = 50%

Value x Diameter = 2 replacement caliper inches

Recommendation: Recommend approval of the removal of 12-Jamaican Capers, 10-Spanish Stoppers, 3-Ironwood, 1-Buttonwood, 1-Red Stopper, 1-Simpson Stopper, 1-Cassia tree, 1-Ylang Ylang tree and 1-Allspice tree at 532 Caroline Street to be replaced with 78.1 caliper inches of dicot or fruit trees from approved list, FL#1, to be planted on site.