

STAFF REPORT

DATE: January 31, 2017

RE: **1314 Petronia Street (permit application # T17-8284)**

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

An application was received requesting the removal of **(1) Floss Silk tree**. A site inspection was done on January 27, 2017 and documented the following:

Tree Species: Floss Silk (*Chorisia speciosa*)









Diameter: 8.2"

Location: 50% (impacting fence and access along sidewalk—potential hazard)

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

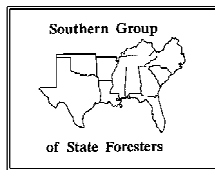
Condition: 50% (fair to poor, structurally a sprawling, one sided tree)

Total Average Value = 50%

Value x Diameter = 4.1 replacement caliper inches

Recommendation: Recommend approval of the removal of one (1) Floss Silk tree at 1314 Petronia Street to be replaced with 4.1 caliper inches of dicot or fruit trees from approved list, FL#1, to be planted on site.

Additional Information



Chorisia speciosa Floss-Silk Tree¹

Edward F. Gilman and Dennis G. Watson²

INTRODUCTION

This rounded, deciduous tree eventually has wide-spreading branches which are green when young and covered with spines, often becoming grey and sometimes losing their coarse, sharp spines (Fig. 1). Young trees can have a columnar or upright form. The spiny trunk is unusually thick and remains green even on older trees. Floss-Silk tree can reach 50 feet in height with an equal or greater spread, and grows rapidly the first few years, then more slowly. Some trees maintain a relatively narrow crown with one straight trunk while others are wide-spreading, particularly on older specimens. The large, showy, pink and white, five-petaled flowers, which somewhat resemble narrow-petaled hibiscus, are produced in small clusters in fall and winter (usually October) when the tree is nearly bare. The fruits are large, eight-inch-long, pear-shaped, woody capsules, filled with silky, white, kapok-like floss and pea-like seeds. Floss from the seeds was used for stuffing pillows and thin strips of the bark have been used to make rope.

GENERAL INFORMATION

Scientific name: *Chorisia speciosa*

Pronunciation: koe-RIZZ-ee-uh spee-see-OH-suh

Common name(s): Floss-Silk Tree

Family: *Bombacaceae*

USDA hardiness zones: 9B through 11 (Fig. 2)

Origin: not native to North America

Uses: recommended for buffer strips around parking lots or for median strip plantings in the highway; shade tree; specimen; residential street tree

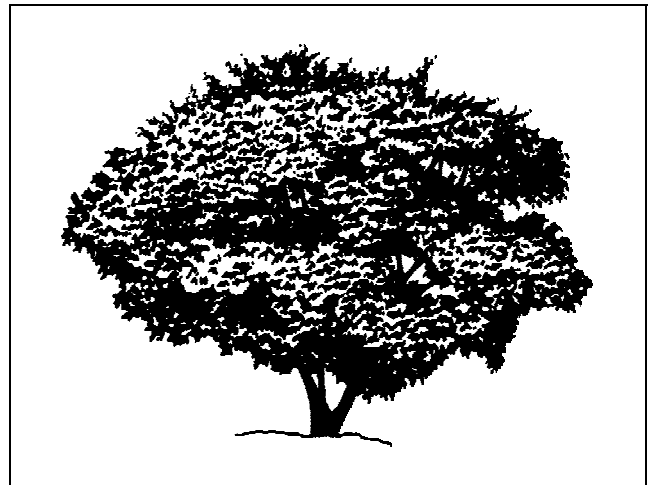


Figure 1. Mature Floss-Silk Tree.

Availability: generally available in many areas within its hardiness range

DESCRIPTION

Height: 35 to 50 feet

Spread: 40 to 55 feet

Crown uniformity: irregular outline or silhouette

Crown shape: round; pyramidal; upright

Crown density: moderate

Growth rate: fast

Texture: coarse

Foliage

Leaf arrangement: alternate (Fig. 3)

Leaf type: palmately compound

Leaflet margin: serrate

1. This document is adapted from Fact Sheet ST-162, a series of the Environmental Horticulture Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Publication date: November 1993.
2. Edward F. Gilman, associate professor, Environmental Horticulture Department; Dennis G. Watson, associate professor, Agricultural Engineering Department, Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, Gainesville FL 32611.



Figure 2. Shaded area represents potential planting range.

Leaflet shape: elliptic (oval)

Leaflet venation: pinnate

Leaf type and persistence: deciduous

Leaflet blade length: 4 to 8 inches; 2 to 4 inches

Leaf color: green

Fall color: no fall color change

Fall characteristic: not showy

Flower

Flower color: pink; white

Flower characteristics: fall flowering; very showy; winter flowering

Fruit

Fruit shape: oval; round

Fruit length: 6 to 12 inches

Fruit covering: dry or hard

Fruit color: brown; white

Fruit characteristics: does not attract wildlife; no significant litter problem; showy

Trunk and Branches

Trunk/bark/branches: bark is thin and easily damaged from mechanical impact; grow mostly upright and will not droop; should be grown with a single leader; thorns are present on the trunk or branches; very showy trunk

Pruning requirement: requires pruning to develop strong structure

Breakage: resistant

Current year twig color: green

Current year twig thickness: medium

Culture

Light requirement: tree grows in full sun

Soil tolerances: clay; loam; sand; acidic; occasionally wet; alkaline; well-drained

Drought tolerance: high

Aerosol salt tolerance: low

Other

Roots: surface roots can lift sidewalks or interfere with mowing

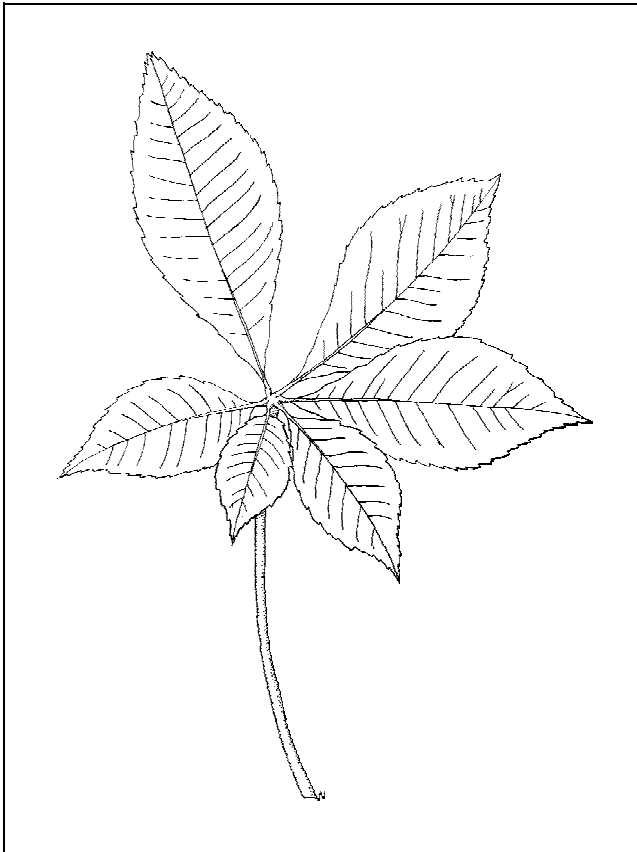


Figure 3. Foliage of Floss-Silk Tree.

Winter interest: tree has winter interest due to unusual form, nice persistent fruits, showy winter trunk, or winter flowers

Outstanding tree: tree has outstanding ornamental features and could be planted more

Invasive potential: little, if any, potential at this time

Pest resistance: no pests are normally seen on the tree

USE AND MANAGEMENT

An excellent specimen tree for parks, parking lots, and other large landscapes, Floss-Silk tree is spectacular when in bloom, producing an outstanding show of color in the fall. Large roots often form at the base of the trunk just beneath the soil, so be careful not to plant the tree too close to sidewalks or pavement. Fifteen feet from curbs, driveways and sidewalks should be adequate.

Prune the tree to be sure that only one central trunk develops when the tree is young. The central leader becomes less vigorous in middle age, allowing lateral limbs to develop into the main structure of the tree producing a spreading form. Although most branches are horizontal and well-attached to the tree,

upright branches can develop with embedded bark which can cause a branch to split from the trunk. Prevent this by pruning the major limbs so they remain less than half the diameter of the trunk.

Flowering best in full sun, Floss-Silk tree will thrive on any reasonably fertile soil with good drainage. It is not salt tolerant but does tolerate high pH. Grafted trees are preferred as they bloom earlier and at a smaller size.

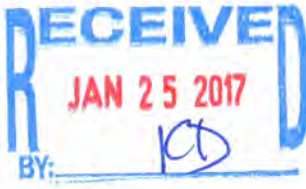
Two grafted selections are available: 'Majestic Beauty' has rich pink flowers and 'Los Angeles Beautiful' has wine red flowers. The cultivar 'Monse' has a thornless trunk and pink fall flowers.

Propagation is by seed or grafting.

Pests and Diseases

No pests or diseases are of major concern.

Application



8284
8285

Tree Permit Application

Date: Dec. 26, 2016

Please Clearly Print All Information unless indicated otherwise.

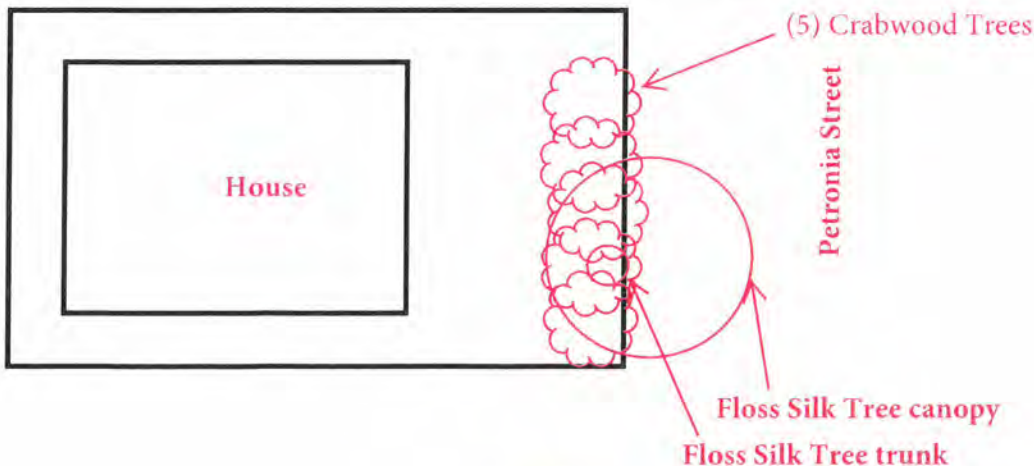
Tree Address 1314 Petronia Street
Cross/Corner Street Florida Street
List Tree Name(s) and Quantity remove Floss Silk Tree & Transplant (5) Crabwood Trees on site
Species Type(s) check all that apply () Palm (X) Flowering () Fruit () Shade () Unsure
Reason(s) for Application:
(X) REMOVE () Tree Health (X) Safety () Other/Explain below
() TRANSPLANT () New Location () Same Property () Other/Explain below
() HEAVY MAINTENANCE () Branch Removal () Crown Cleaning/Thinning () Crown Reduction
Other/Explain This thorned tree poses a threat to pedestrians on the sidewalk. The tree has grown directly over the sidewalk at head height and has created a great liability.
Reason for Request Transplant (5) newly planted Crabwood trees on site to a more appropriate location.
Property Owner Name Jonathon Kass
Property Owner eMail Address jchadwick888@aol.com
Property Owner Mailing Address 1314 Petronia Street
Property Owner Mailing City Key West **State** Florida **Zip** 33040
Property Owner Phone Number (813) 363 - 5035

Representative Name Carl Gilley Landscape Design
Representative eMail Address thrinaxinc@gmail.com
Representative Mailing Address 1207 Grinnell Street
Representative Mailing City Key West **State** Florida **Zip** 33040
Representative Phone Number (305) 304 - 1032

NOTE: A Tree Representation Authorization form must accompany this application if someone other than the owner will be representing the owner at a Tree Commission meeting or picking up an issued Tree Permit.

Tree Representation Authorization form attached (X)

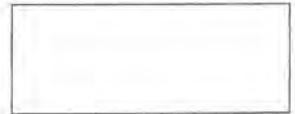
<<<<< Sketch location of tree in this area including cross/corner Street >>>>>



8.2" dbh
212" circ
Warning Royal P
thinning.

PA ✓

\$ ✓



Tree Representation Authorization

Date: December 9, 2016

Attendance at the Tree Commission meeting on the date when your request will be discussed is necessary in order to expedite the resolution of your application. This Tree Representation Authorization form must accompany the application if the property owner is unable to attend or will have someone else pick up the Tree Permit once issued.

Please Clearly Print All Information unless indicated otherwise.

Tree Address 1314 Petronia Street

Property Owner Name Jonathan Kass
Property Owner eMail Address jchadwick888@aol.com
Property Owner Mailing Address 1314 Petronia Street
Property Owner Mailing City Key West State Fl. Zip 33040
Property Owner Phone Number (813) 363 - 5035
Property Owner Signature _____

Representative Name Carl Gilley Landscape Design
Representative eMail Address thrinaxinc@gmail.com
Representative Mailing Address 1207 Grinnell Street
Representative Mailing City Key West State Florida Zip 33040
Representative Phone Number (305) 304 - 1032

I Jonathan KASS, hereby authorize the above listed agent(s) to represent me in the matter of obtaining a Tree Permit from the City of Key West for my property at the tree address above listed. You may contact me at the telephone listed above is there is any questions or need access to my property.

Property Owner Signature _____

The forgoing instrument was acknowledged before me on this 12 day Dec, 2016.

By (Print name of Affiant) Jonathan Kass who is personally known to me or has produced FL Drivers License as identification and who did take an oath.

NOTARY PUBLIC

Sign Name: _____

Notary Public - State of Florida (seal)

Print Name: Jonathan Velez

My Commission Expires: 6/9/19



Jonathan Velez
Notary Public
State of Florida
My Commission Expires 06/09/2019
Commission No. FF 238777

1314 Petronia Street



Thorned Floss Silk Tree over sidewalk



Thorned Floss Silk Tree over sidewalk
&
newly planted Crabwood trees



Crabwood Trees

Thorned Floss Silk Tree

Karen DeMaria

From: THRINAX1 . <thrinaxinc@gmail.com>
Sent: Wednesday, January 25, 2017 10:58 AM
To: Karen DeMaria
Cc: Jonathan Kass
Subject: 1314 Petronia Street Tree Application
Attachments: 1314 Petronia Street Tree Permit App & Auth Form.pdf

Hi Karen,

Attached is a permit application & auth. form for work at 1314 Petronia Street. The Crabwood trees were planted approx. a year ago but unfortunately they were put in heavy shade and haven't done well since. I'd like to move them to a better location in the rear of the property.

The Floss Silk tree liability issue speaks for itself.

Carl



Carl Gilley Landscape Design

Designers & Consultants
carlgilleylandscapedesign.com
[305-304-1032](tel:305-304-1032)



Summary

Parcel ID 00025410-000000
Alternate Key 1026191
Property Address 1314 PETRONIA ST
Key Name KEY WEST
Sec/Twp/Rng 5-68-25
Legal Description KW W C MALONEY DIAGRAM PB1-22 LOT 9 SQR 7 TR 7 OR2
 32-533-534 OR412-499/500 OR642-567 OR769-365 OR100
 8-897 OR1543-2070/71 OR1692-2414 OR1903-1224 OR227
 (Note: Not to be used on legal documents or any document to be recorded)
Neighborhood 6284
Subdivision
Millage Group 10KW
Affordable No
Housing Class 0100 - SINGLE FAMILY



Owner

Primary Owner
 Kass Jonathan
 805 Nick Bay Pl
 Tampa, FL 33606-2410

Valuation

	2016	2015	2014
+ Building Value	\$196,317	\$206,031	\$168,660
+ Misc Improvement Value	\$13,037	\$11,299	\$10,566
+ Land Value	\$589,867	\$468,533	\$318,013
= Just (Market) Value	\$799,221	\$685,863	\$497,239
= Assessed Value	\$799,221	\$546,962	\$497,239
- School Exempt Value	\$0	\$0	\$0
= School Taxable Value	\$799,221	\$685,863	\$497,239

Land

Land Use Code	Frontage	Depth	Land Area
RESIDENTIAL DRY (010D)	46	87	4001 SF

Building Summary

Number of Buildings 1
Number of Commercial Buildings 0
Total Living Area 1536