RECEIVED
SEP 12 2024
By

City of Key West Tree Commission

T2024.0220

Tree Permit Application EMERGENCY

Please Clearly Print All Information unless indicated otherwise. Date: _____

Tree Address: 711 FRANCES ROW

Cross/Corner Street:

List Tree Name(s) and Quantity: 1 MAHOGANY

Reason(s) for Application:

(X) Remove (X) Tree Health (X) Safety (X) Other/Explain below

( ) Transplant ( ) New Location ( ) Same Property ( ) Other/Explain below

( ) Heavy Maintenance Trim ( ) Branch Removal ( ) Crown Cleaning/Thinning ( ) Crown Reduction

Additional Information and Explanation: MASSIVE TREE W/HUGE CRACK / TREE IS SPLITTING IN HALF

Property Owner Name: CITY OF KEY WEST

Property Owner email Address: 1300 WHITE STREET

Property Owner Mailing Address:

Property Owner Phone Number:

Property Owner Signature: INTERIM ASSISTANT CITY MGR

*Representative Name: AMY DISMUKES

Representative email Address: AMY.DISMUKES@CITYOFKEYWEST-FL.GOV

Representative Mailing Address: 1300 WHITE STREET

Representative Phone Number: 305.809.3768

*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.

As of August 1, 2022, application fees are required. See back of application for fee amounts.

Sketch location of tree (aerial view) including cross/corner street. Please identify tree(s) on the property regarding this application with colored tape or ribbon.

(1) See notes on bids + funding.

Shade Tree, Inc.
P.O. Box 1341
Key West, FL 33041
(305) 340-8094 shadetreeservices@yahoo.com

Estimate

Date	Estimate #
8/12/24	2176

City of Key West
Amy Dismukes
1300 White St.
Key West, FL. 33040

Job Note:

711 Frances St.

Terms	

Qty	Item	Description	Rate	Total
1	MAHOGANY TREE	REMOVE TREE AND GRIND STUMP AND ABOVE GRADE ROOT SYSTEM. REMOVE ALL JOB RELATED DEBRIS FROM SITE	12,500.00	12,500.00

Total $12,500.00

Signature denotes acceptance of terms: _____ Date: _____

C

Amy Dismukes

From: Amy Dismukes
Sent: Tuesday, September 3, 2024 10:53 AM
To: richardbaileypf@yahoo.com
Cc: Amy Dismukes
Subject: FW: request for estimate for cabling and heavy maintenance pruning on historic mahogany in Key West, FL
Attachments: TreeRiskAssessment711Frances.pdf

Hi Jonathan,

Kevin Hunt highly recommended you for this work. The City of Key West is looking for an estimate to cable and lift the load on a 100 year old historic mahogany in Key West. I am attaching a document that details the tree. Please let me know what you think. This is a city right of way tree 😊. We would very much appreciate your experience and knowledge with this beloved tree. We would like an estimate within the next 2 weeks, if possible and appreciate your time.

Thank you,

Amy Dismukes
Urban Forestry Manager
ISA Certified Arborist, SO-11264A
Amy.dismukes@cityofkeywest-fl.gov
City of Key West
305-809-3768

No Reply 9/12/24

From: AmyLDismukes <aldismukes@gmail.com>
Sent: Monday, July 8, 2024 8:48 AM
To: Amy Dismukes <amy.dismukes@cityofkeywest-fl.gov>
Subject: [EXTERNAL] Mahogany

Amy Dismukes

(2)

From: James Dossett <jdossett@Bartlett.com>
Sent: Monday, September 9, 2024 6:24 PM
To: Jonathan Frank
Cc: Amy Dismukes; Katie P. Halloran
Subject: [EXTERNAL] Re: [EXTERNAL] RE: request for estimate for cabling and heavy maintenance pruning on historic mahogany in Key West, FL

Hi Guys,

Looking at the pictures, I'm afraid it's a poor candidate for cabling because of the co doctors and the angles involved. Not to say nothing can be done, I just don't think cabling is the answer.

I'd be happy to come and take a look and see if we can come up with a solution for it, but it would probably make more sense in a broader context. If you have other tree health and safety issues around town, I could look at those as well while I'm there. Maybe if we get a list of plants together, I'd be happy to come down and spend a day or two seeing how we can help!

Jim

NOT CANDIDATE FOR CABLING 9/9/24

James Dossett VP, Dvision Manager, Florida ISA CA, TRAQ, CTSP, SMS

BARTLETT TREE EXPERTS
2220 Gamble Road, Savannah, GA 31405
p
e jdossett@Bartlett.com

https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fbartlett.com&c=E,1,JEIyrCoGUaiUVUOqOqTbgsrsm78QrIBvBQ97Em19NuFgGUQFFejHTauu90m60gwwKDgJuchks8zWlj5PQA74zrLA6gtoVLfT0rbdFkJqSQ,,&typo=1
> On Sep 3, 2024, at 13:14, Jonathan Frank <jfrank@bartlett.com> wrote:
>
> You will hear from us soon.
>
> Thanks,
> Jonathan

3

Amy Dismukes

From: Amy Dismukes
Sent: Tuesday, September 3, 2024 10:57 AM
To: ericnctree@yahoo.com
Cc: Amy Dismukes
Subject: FW: request for estimate for cabling and heavy maintenance pruning on historic mahogany in Key West, FL
Attachments: TreeRiskAssessment711Frances.pdf

Hi Eric,

I believe we met at the ISA Florida meeting in Fort Lauderdale. The City of Key West is looking for an estimate to cable and lift the load on a 100-year-old historic mahogany in Key West. I am attaching a document that details the tree. Please let me know what you think. This is a city right of way tree 😊 . We would very much appreciate your experience and knowledge with this beloved tree. If you do not do this type of work, I would love any recommendations you may have. Thanks again!

Thank you,

Amy Dismukes
Urban Forestry Manager
ISA Certified Arborist, SO-11264A
Amy.dismukes@cityofkeywest-fl.gov
City of Key West
305-809-3768

No Reply
9/12/24

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Sent: Monday, July 8, 2024 8:48 AM
To: Amy Dismukes <amy.dismukes@cityofkeywest-fl.gov>
Subject: [EXTERNAL] Mahogany

NEW LEAF
ENVIRONMENTAL

August 14, 2024

Certified Arborist Tree Risk Assessment
711 Frances Street, Key West, Florida
NLE Project No. 52524001

Background
New Leaf Environmental, LLC (NLE) is providing this report in order to evaluate the risk associated with a mahogany tree within the City of Key West right of way abutting the above referenced property. NLE conducted the field assessment for the risk assessment on August 12, 2024.

Methodology
This assessment was conducted by Michael McCoy, an International Society of Arboriculture Certified Arborist, and performed in general accordance with the ANSI A300 Standards for Tree Risk Assessment and associated Best Management Practices (BMP) companion book for a Level 2 (Basic) Assessment, with a two-year timeframe. This assessment is valid for the time at which it was written and changing site conditions, proposed development, and changes in tree health may affect the future validity of this assessment.

Observations - *see attached photo log for further information*

Tree No. 1, 60" DBH West Indian mahogany (*Swietenia mahagoni*)
This tree exhibits overall good health as evidenced by a large crown with dense dark green foliage, branches with little signs of dieback and no evidence of fungal or insect colonization. It is growing within a sidewalk cutout, with large surface roots protruding on all sides and flexible paving covering them up to the trunk. There are overhead utility lines which cross directly over the center of the trunk.

Defects and conditions of concern: This tree has two primary stems which appear to be separate (with included bark) to a point at or near the base. After many years of substantial growth of the canopy with the middle section of the canopy continually being pruned back for utility clearance, this tree has become heavily weighted toward the northeast and southwest sides, with the canopy on each side primarily growing from one of the two stems. During my field investigation, I observed a vertical crack and associated cavity which originates near the base of the tree on the side facing the roadway and proceeds approximately five feet vertically. The crack does not appear to have broken the grain of the wood within either stem but rather appears to be a split of the bark which superficially connects the two main stems. This is evidenced by the smooth and rounded appearance of the wood within the cavity with no evidence of splintering or fractures within either stem. Wound wood has formed along the crack, indicating that the tree is responding to this condition and is still growing, and the crack is not observed on the other side of the tree.

57 Silver Springs Drive Key Largo, FL 33037
(954) 643-0423 mmccoy@newleaf.expert

Analysis

The primary concern for this tree is that this vertical crack will continue to expand in width. If this occurs it could lead to either one or both of the main stems of the tree losing structural stability and failing, i.e. falling from a point at or near the base of the tree. If the stem on the east side were to fail it would have a *high* likelihood of impacting the abutting residence. Due to the size of the stem, if it were to fail it would have *significant* to *severe* consequences to the house and people inside, signifying that property damage would be such that the house would require significant reconstruction to be livable and people inside could be seriously injured or killed. If the stem on the west side were to fail it would have a *high* likelihood of *significant* impacts, namely damaging parked cars on the street and blocking Frances Street for an extended period of time.

Risk Rating

Based on the observations and analysis as described, the resulting risk rating for this tree is *High*. If no steps to mitigate this risk are taken, it is *possible* that failure could occur within the next two years. In order to reduce the risk associated with this tree, there are two main options I identified:

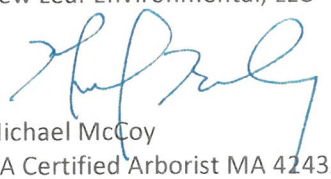
1. Remove the tree in its entirety, potentially with replacement with another tree that is appropriate for growth under utility lines
2. Reduce the likelihood for the split worsening by reducing the length and height of the branches (reducing the weight and pull on the split) and installing cabling support to help prevent the two stems from splitting substantially further. Note that with this mitigation option the risk will remain *high* but it may be further reduced over time. If this option is taken, the tree should be inspected at minimum weekly until these mitigation measures are completed and then monthly until either the tree shows substantial progression to close the cavity or until the crack progresses in width in which case removal should be the only mitigation option from that point.

Additional Notes and Limitations

If the tree is retained after mitigation measures are completed it should continue to be inspected at minimum once every six months. This assessment was conducted at ground level without invasive investigations or use of tools other than a metal probe and a sounding mallet. Additional defects may be present that were not detectable given these limitations, and additional defects may develop over time.

Sincerely,

New Leaf Environmental, LLC



Michael McCoy
ISA Certified Arborist MA 4243A, TRAQ Qualified
LIAF Certified Landscape Inspector

Attachments: photo log

PHOTO LOG

Photo 1. Overview of the tree from the north, from a point within Frances street

Photo 2. View of the tree from the south from within the sidewalk

Photo 3. View of the form of the canopy from the southeast along the line of the overhead utility lines, demonstrating the divergence of the canopy originating from each of the two main stems.

Photo 4. View of the vertical crack in the trunk as viewed from Frances Street.

Photo 5. Aerial view of the tree's location