



THE CITY OF KEY WEST
Urban Forestry
1300 White Street
Key West, FL 33040

Tree Removal Report

PROPERTY: 1812 Flagler Ave

APPLICATION NUMBER: T2026-0120

REQUEST: The applicant is requesting removal of (1) Mahogany Tree & (1) Pink Tabebuia.

TREE ASSESSMENT and PHOTOS



TREE #1 Pink Tabebuia

Key to the Caribbean – average yearly temperature 77 ° Fahrenheit.



Codominant Stems with included bark.



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Unfavorable Stem Bifurcation

Key to the Caribbean – average yearly temperature 77 ° Fahrenheit.



TREE #2 Cuban Mahogany

Key to the Caribbean – average yearly temperature 77 ° Fahrenheit.



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TREE #1 Pink Tabebuia

Diameter: 30"

Location: 70% Tree is up against fence line

Species: 50%

Condition: 70% Codominant Stems with included bark

Value: 63.3%

Recommended Mitigation: 19 Caliper Inches

The subject tree is a mature Pink Tabebuia measuring approximately 30 inches DBH. The tree exhibits a multi-stem growth form consisting of three primary stems originating near the root flare. Overall physiological condition is assessed as Fair.

The primary structural concern is the presence of codominant stems with included bark at the base of the tree. Included bark reduces the strength of stem attachments by preventing the formation of normal connective wood, thereby increasing the potential for stem separation as the tree matures.

One of the primary stems extends approximately 12 feet before bifurcating into two secondary stems. At this union, the larger diameter stem assumes a pronounced horizontal orientation while the smaller stem continues vertically. This represents less favorable branch architecture, as the dominant stem ideally remains vertical with subordinate lateral growth. The existing configuration increases mechanical loading and bending forces at the attachment point.

Although these structural defects are present, no evidence of active failure, advanced decay, or significant canopy decline was observed during the visual inspection. The tree currently maintains fair vigor.

TREE #2 Cuban Mahogany

Diameter: 13"

Location: 40%

Species: 100%

Condition: 70%

Value: 70%

Recommended Mitigation: 9.1 Caliper Inches

The subject tree is a Cuban Mahogany measuring approximately 13 inches DBH. While approaching maturity, the tree has not yet reached full mature size. Overall physiological condition is assessed as Fair, with no significant indicators of decline observed during the visual assessment.

The tree is located in a highly constrained growing environment. It is situated approximately 10 feet from a utility pole supporting three pole-mounted electrical transformers and is directly intersecting the electrical service conductors supplying a commercial building containing a laundromat, multiple apartment units, and an adjacent single-family residence.

Additionally, the trunk is located less than one foot from a concrete masonry wall defining the property boundary. The planting location is inconsistent with recommended species selection and spacing guidelines for a large-maturing canopy tree and appears more indicative of a volunteer tree than an intentionally planted landscape specimen.

The canopy has been raised considerably through previous pruning, resulting in a pronounced lion's-tail effect. Consequently, the tree exhibits a lollipop-shaped canopy architecture, likely attributable to repeated clearance pruning. While no significant structural defects such as decay, cracking, or included bark were observed, the altered canopy structure may increase end-weight loading on scaffold limbs and reduce the tree's natural wind resistance over time.

PREPARED BY:

***Zach Bentley* Asst. Urban Forestry Manager**

**City of Key West
305-809-3957**

