

ARBORIST REPORT

June 28, 2021

TO Mr. Omar Leon, Urban Forester
City of Miami Beach Environment & Sustainability Dept.

RE 2702 Alton Road
Arborist's Evaluation of Specimen Trees

Dear Mr. Leon,

The subject property has a variety of palm trees including coconut palms, royal palms, Christmas palms, sabal palms, and areca palms, flowering trees including frangipani and royal poinciana, specimen native species including one strangler fig and mahogany trees, and a specimen Norfolk Island pine. All the palm trees, the Norfolk Island pine, the royal poinciana and non-specimen sized mahogany tree conflict with the proposed site design and will be removed and will be mitigated for on-site, as noted on the previously submitted Tree Inventory & Disposition Chart for the subject property (see Sheet L-1.1). The trees to be preserved on site include the specimen strangler fig on the north side of the property and the two specimen mahogany trees in the Right-of-Way on the west side of the property bordering Alton Rd.

An on-site field inspection of the subject property was conducted on June 25, 2020, to evaluate the condition of the specimen trees which occur on the property. The sheets that follow provide the size (Diameter at Breast Height – DBH), estimated height, estimated canopy spread in square feet, and existing condition and vitality of each tree (the numbers associated with the trees are the numbers utilized in the previously submitted plan).

This inspection revealed that the specimen mahogany trees, and strangler fig are in fair to good condition and are providing the functions and values associated with specimen trees and warrant preservation and protection throughout the construction process. Whereas the Norfolk Island pine and royal poinciana do not warrant preservation and protection because of their condition, growth form and habit.

Should you have any question regarding the above information, please feel free to contact me.

Sincerely,



Christopher Cawley, RLA, ASLA, ISA
ISA Certified Arborist, FL-9573A

Site Inspection and Report by Christopher Cawley + David Ettman of Biscayne Environmental

TREE #s 18 & 19

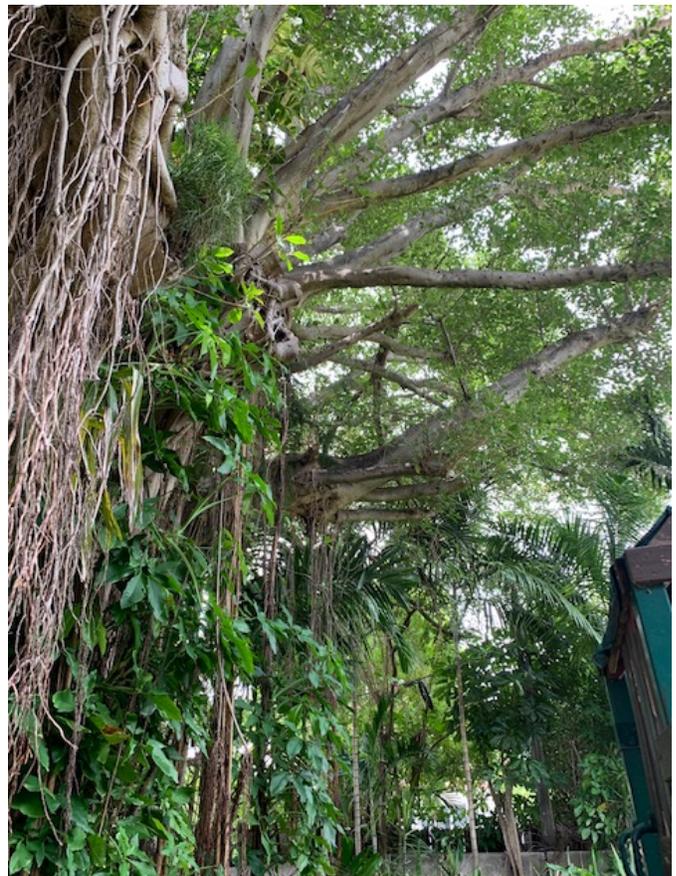
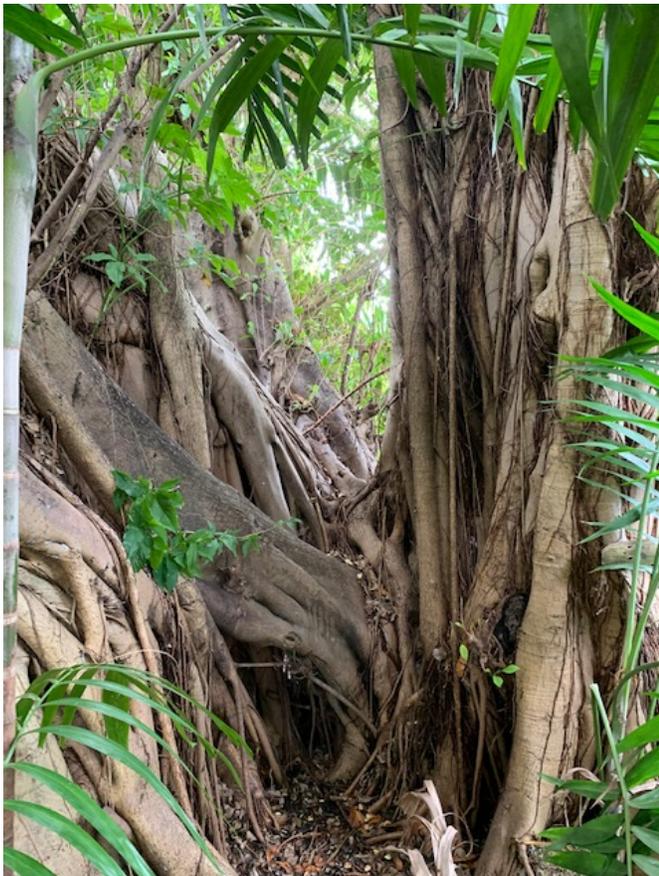
COMMON NAME: Strangler fig	HEIGHT (FT): +/- 70'
SCIENTIFIC NAME: <i>Ficus aurea</i>	SPREAD (FT): +/- 80'
CONDITION: Good	DBH (INCHES): > 180"
NATIVE: YES	CRZ (FT): +/- 180'
DISPOSITION: REMAIN	

DESCRIPTION / NOTES: Tree protection to be provided.

The initial Tree Survey showed this as two separate trees (Tree Nos 18 & 19) growing to the south of the existing CBS wall. In actuality, this is one tree with four large trunks (three at +/- 48" DBH and one at 72" DBH) and one large contiguous root system, as shown below. The tree has a fairly symmetrical canopy with the foliage beginning +/- 12' above the ground and has a broad canopy spread. The tree is generally in good condition although there are several previously cut branches that are resprouting, and a fairly large hanger branch mid canopy. There was no evidence of white fly or other insect infestation, minimal decay on branch stubs, and the root system is totally intact without any evidence of tilting or uplifting. Syngonium vine is present from the ground to mid canopy, and dracaena, Alexander palms, and snake plant are growing beneath the canopy on the south side of the tree. This tree is clearly worthy of preservation and will be protected until the project has been completed and Urban Forestry has approved the removal of the protective barriers. It is recommended that the canopy be thinned, dead wood and hangers be removed, the vines be removed from the canopy, and the non-desirable species be removed beneath the canopy within the critical root zone.



TREE #s 18 & 19 – Additional Photos of Strangler Fig



TREE # 24

COMMON NAME: Norfolk Island Pine

SCIENTIFIC NAME: *Araucaria heterophylla*

CONDITION: Good

NATIVE: NO

DISPOSITION: REMOVE

DESCRIPTION / NOTES: N/A

HEIGHT (FT): +/- 70'

SPREAD (FT): +/- 15'

DBH (INCHES): >18"

CRZ (FT): N/A

This tree, which is located in the northeast portion of the property, is growing through the canopy of the adjacent royal poinciana tree, and the trunk is arching to the north as it is competing for light. This tree is in fair to good condition, the whorls of branches begin +/- 7' above ground and the canopy has not suffered any previous storm damage. The root system is intact and has not suffered from uplifting. Because the tree conflicts with new construction, its current height and potential for future risk to property due to its normal propensity to break up in storm events, the tree is proposed for removal.



780 NE 69 Street Suite 200 Miami Florida 33138

O | 786.536.2961 M | 305.979.1585 www.christophercawley.com

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TREE # 28

COMMON NAME: Royal Poinciana

HEIGHT (FT): +/- 30'

SCIENTIFIC NAME: *Delonix regia*

SPREAD (FT): +/- 40'

CONDITION: Fair to Good

DBH (INCHES): +/-19"

NATIVE: No

CRZ (FT): N/A

DISPOSITION: REMOVE

DESCRIPTION / NOTES: N/A

This tree, which is also growing in the northeast portion of the property, is also competing for light with the adjacent Norfolk Island Pine and strangler fig. This tree is in fair to good condition with the main trunk splitting into two trunks +/- 10' above ground. The canopy begins +/- 20' above ground and is fairly sparse and the branch structure and growth habitat is poor. The tree was in flower at the time of the inspection. This tree is in conflict with new construction and poincianas are very brittle and are known to break up during storm events. For these reasons, this tree will be removed.



TREE # 38

COMMON NAME: Mahogany

SCIENTIFIC NAME: *Swietenia mahogani*

CONDITION: Good

NATIVE: YES

DISPOSITION: REMAIN

DESCRIPTION / NOTES: Tree Protection to be provided.

HEIGHT (FT): +/- 35'

SPREAD (FT): +/- 50'

DBH (INCHES): 46"

CRZ (FT): +/- 10'

This mahogany is in good condition and is in the Right-of-Way close to the intersection of 27th Street and Alton Road. The main trunk splits into five main branches or trunks 6' above ground and the canopy foliage begins +/- 12' above ground. The canopy is symmetrical, has no evidence of recent storm damage, although there has been some die back on the proximal branch tips. There was no evidence of insect infestation or decay, and no evidence of uplift or tilt in the root system which has some large above ground roots close to the main trunk. This tree will be preserved and protected throughout the duration of the project and the protective barriers will remain until Urban Forestry approved their removal.



TREE # 39

COMMON NAME: Mahogany

SCIENTIFIC NAME: *Swietenia mahogani*

CONDITION: Fair

NATIVE: YES

DISPOSITION: REMAIN

DESCRIPTION / NOTES: Tree Protection to be provided.

HEIGHT (FT): +/- 25'

SPREAD (FT): +/- 25'

DBH (INCHES): 23"

CRZ (FT): +/- 8'

This mahogany is in fair condition and is also located in the Right-of-Way of Alton Road approximately 50' north of the other Mahogany (Tree No. 38). The main trunk splits into two codominant trunks approximately 7' above ground and the canopy foliage begins +/- 10' above ground. This tree has been subject to recent storm damage as evidenced by the cut stub branches and broken branches at the top of the tree which has resulted in a disfigured canopy, as shown below. With proper pruning of the canopy, this tree can be restored and should therefore be preserved and protected. As with other trees that are being protected, the protective barriers will remain in place until Urban Forestry approves their removal.



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