

Tree Resource Evaluation for 925 Lenox Avenue, Miami Beach

Prepared for:

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Summary

I performed a tree resource evaluation on the property located at 925 Lenox Avenue, Miami Beach on July 5th 2016. The approximate locations of these trees and palms can be found on the schematic in Appendix B.

The evaluation in Appendix A includes tree/palm measurements, condition rating and recommended radius of the tree protection zone (TPZ) for each tree/palm. Palms with less than a 6 inch DBH and less than 16 feet in height were not evaluated. DBH was only measured if the trunk of the palm was at 4.5 feet or more above grade.

I rated the trees and palms in accordance with ANSI A300 (Part 5) – 2005, Annex A, Management Report Information. The trees are rated Good, Moderate or Poor, see Appendix C. I recommend the removal of trees or palms that I rate as Poor.

I also followed the Levels and Scope of Tree Risk Assessment from the ANSI A300 Part 9: Tree, Shrub, and Other Woody Plant Management – Standard Practices. Level 1 limited visual, Level 2 basic and Level 3 Advanced Tree Risk Assessments. The scope of this report/evaluation was limited to a Level 2 Assessment for all trees/palms onsite.

To perform all measurements I used a forestry diameter measuring tape, a measuring pole, and a measuring wheel. I rounded-off to the nearest inch when measuring trunk diameter, heights and canopy diameters are approximate.

Appendix D contains the ANSI A300 definitions of Tree Protection Zone (TPZ) and Critical Root Zone (CRZ). The TPZs that I have assigned to the trees and palms on this site are sufficient to maintain CRZs for these trees and palms as well as the TPZs.

Trees to remain onsite should have the dead wood removed from their canopies by a certified arborist.

Relocation of trees in moderate condition

The majority of the trees on this site are dooryard fruit trees that I have rated to be in Moderate condition. This rating denotes a tree to be Moderate, “as is”, in that location. Since most of these trees have tall trunks with poor taper and branches with weak codominant branch connections, they are not good candidates for relocation. If relocation is the only option, then I recommend the removal of these trees.

All of the trees along the eastern property line have their canopies in the power lines that run north to south. Regardless of the condition rating, I recommend the removal of these trees as well. See photos 13, 14 & 17 below.

Photos below

Some of the trees and palms were difficult to photograph due to the density of the canopy. I was unable to get a photograph of tree 9 a *Ficus benjamina* growing on the south side of the wooden fence along the southern property line. Also, since I had no access to the adjacent property, the DBH for tree 9 is estimated.

The color and brightness on some photos has been adjusted to provide contrast and clarity to the subject matter. This follows the Basic section on Enhancement Techniques found in Section 11, Best Practices for Documenting Image Enhancement in a document produced by SWGIT Scientific Working Group Imaging Technology, www.SWGIT.org.



Photo 1 above is palm 1 in the right-of-way along Lenox Avenue looking east. There is an overgrown hedge of *Ficus benjamina* growing along the west and south sides of the property.



Photo 2 above is mango tree 2 looking west.



Photo 3 above is coconut 3 near the northwest corner of the property.



Photo 4 above is mango tree 4 looking to the east.



Photo 5 above is mango tree 5 looking north. This tree is in Poor condition and should be removed, see following photo.



Photo 6 above is a close-up of tree 5. It has extensive decay and damage to it trunk.



Photo 7 above is tree growing on the north edge of the property. There is some branch die-back in the canopy.



Photo 8 above is tree 7 looking north. It is very dense in this area and it was difficult to photograph the entire tree.



Photo 9 above is the canopy of tree 7 looking west. The power lines to the structure run through the canopy of this tree.



Photo 10 above is tree 7a looking west along the north edge of the property. It is very dense in this area and it was difficult to photograph the entire tree.



Photo 11 above is trees 8, 22 & 23 looking west. It is very dense in this area and it was difficult to photograph entire trees.



Photo 12 above is trees 10, 11 & 12 looking west. It is very dense in this area and it was difficult to photograph entire trees. Tree 10 has a severe nutrient deficiency.



Photo 13 above is trees 14, 15 & 16 with palm 13 near the southeast corner of the property. All of the trees have their canopies in the adjacent power lines. It is very dense in this area and it was difficult to photograph entire trees.



Photo 14 above is trees 14 & 15 with palm 13 near the southeast corner of the property. All of the trees have their canopies in the adjacent power lines. It is very dense in this area and it was difficult to photograph entire trees.



Photo 15 above is trees 17 & 18 along the east edge of the property. All of the trees have their canopies in the adjacent power lines. It is very dense in this area and it was difficult to photograph entire trees.



Photo 16 above is coconut 19 near the northeast corner of the property. This palm has its fronds in the adjacent power lines to the right.



Photo 17 above is tree 20 along the east edge of the property. This tree has its canopy in the adjacent power lines.



Photo 18 above is palm 21 to the east of the structure.



Photo 19 above is a close-up of the decay and damage on tree 22. This tree should be removed



Photo 20 above is umbrella tree 23 looking to the south.



Photo 21 above is 24 through 26a along the south edge of the property. I was unable to identify this group of very shade grown trees/shrubs. Areca palm 27 can also be seen.

Appendix – A

	Scientific Name	Common name	DBH	Height	Canopy	Condition	TPZ
1	Washingtonia filifera	Washingtonia palm	13"	30'	17'	Good	4'
2	Mangifera indica	Mango	14"	27'	23'	Moderate	8'
3	Cocos nucifera	Coconut palm	7"	28'	24'	Good	5'
4	Mangifera indica	Mango	12"	30'	32'	Moderate	6'
5	Mangifera indica	Mango	12"	28'	29'	Poor	
6	Dalbergia species		12"	20'	32'	Moderate	6'
7	Persea americana	Avocado	9"	28'	26'	Moderate	6'
7a	Persea americana	Avocado	13"	30'	34'	Moderate	8'
8	Manilkara zapota	Sapodilla	14"	30'	35'	Moderate	8'
9	Ficus benjamina	Weeping fig	12"	30'	36'	Moderate	
10	Pouteria campechiana	Canistel	16"	12'	18'	Poor	
11	Pouteria campechiana	Canistel	5"	20'	22'	Moderate	5'
12	Pouteria campechiana	Canistel	15"	22'	42'	Moderate	10'
13	Washingtonia filifera	Washingtonia palm	8"	18'	13'	Good	4'
14	Mangifera indica	Mango	9"	27'	23'	Moderate	6'
15	Mangifera indica	Mango	11"	35'	30'	Moderate	8'
16	Manilkara zapota	Sapodilla	9"	28'	22'	Moderate	8'
17	Persea americana	Avocado	8"	35'	20'	Moderate	8'
18	Melicoccus bijugatus	Limoncillo	5"	20'	16'	Good	6'
19	Cocos nucifera	Coconut palm	8"	38'	26'	Good	6'
20	Eriobotrya japonica	Loquat	16"	30'	36'	Moderate	10'
21	Dypsis lutescens	Areca palm	30"	28'	18'	Moderate	4'
22	Mangifera indica	Mango	13"	16'	10'	Poor	
23	Schefflera actinophylla	Umbrella tree	19"	30'	19'	Invasive	
24	unidentified species		4"	18'	12'	Poor	
25	unidentified species		10"	16'	18'	Poor	
25a	unidentified species		11"	15'	14'	Poor	
26	unidentified species		15"	13'	8'	Poor	
26a	unidentified species		12"	15'	17'	Poor	
27	Dypsis lutescens	Areca palm	16"	18'	16'	Moderate	3'

TPZ is the radius of the tree protection. The measurement is from the outside of the trunk.

- **The TPZs that I have assigned to the trees and palms on this site are sufficient to maintain CRZs for these trees and palms as well as the TPZs.**

LENOX AVENUE

44' ASPHALT PAVEMENT
(70' TOTAL R/W)

5' WIRE FENCE (TYP.)

3.5' CURB & GUTTER

CONC. 4.3' PARKWAY

5' CONC. SIDEWALK

62.50'(M)(P)

BROKEN CONC. DRIVEWAY

CONC. SLAB

21.00'

19.00'

19.05'

34.10'

34.10'

8.13' F.FLOOR

8.53' MAIN F.F.

TWO STORY RESIDENCE # 925

CONC. SLAB

2' CONC. WALK

STEPS

16.40' SHED

20.40'

20.75'

20.40'

ONE STORY GARAGE

ROOFED CONC. TILE STONES

14.30'

8.50'

8.50'

14.30'

CONC. DRIVEWAY

13.50'

6.2'

53.55'

9000.00'

6 W.F. (TYP.)

LOT 9

BLOCK 120

W.M.

LAUNDRY ROOM

7a

27

26a

26

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25a

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5.30'

5.20'

5.15'

35.00'

0.05' CL

5.47'

5.10'

4.75'

4.85'

35.00'

9000.00'

0.50'

0.50'

2.5'

10.50'

9.0'

10.4'

7.0'

4.5'

4.0'

9.45'

8.38'

16.85'

20.35'

20.75'

20.40'

14.30'

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Appendix – C

ANSI A300 (Part 5) - 2005, Annex A

Management report information

Examples of suitability ratings

Good: These are trees with good health and structural stability that have the potential for longevity at the site.

Moderate: Trees in this category have fair health and/or structural defects that may be abated with treatment. Trees in this category require more intense management and monitoring, and may have shorter life-spans than those in the “good” category.

Poor: Trees in this category are in poor health or have significant defects in structure that cannot be abated with treatment. These trees can be expected to decline regardless of management. The species or individual tree may possess either characteristics that are undesirable in landscape settings or be unsuited for use areas.

Appendix – D – Critical Root Zone and Tree Protection Zone

ANSI A 300 (Part 5) – 2012 Management of Trees and Shrubs during Site Planning, Site Development and Construction

Critical Root Zone (CRZ): The minimum volume of roots necessary to have for tree health and stability.

Tree Protection Zone (TPZ): The area surrounding a tree defined by a specified distance, in which excavation and other construction – related activities should be avoided. The TPZ is variable depending on species, factors, age and health of the plant, soil conditions, and proposed construction. The zone may be accomplished by physical barriers or soil protection layers or treatments.

ANSI A300 (Part 5) – 2012 54.7

A tree protection zone (TPZ) shall be delineated around all trees to be protected during a project

- **54.7.1** The area and dimensions of the TPZ should be calculated on the basis of species tolerance, age, and health, root structure, rooting depth and soil conditions.

Appendix – E - Assumptions and Limiting Conditions

Tropical Designs of Florida, Inc.
Arboricultural and Horticultural Consulting

Qualifications, Assumptions, and Limiting Conditions

Any legal description provided to the consultant is assumed to be correct. Any titles or ownership of properties are assumed to be good and marketable. All property is appraised or evaluated as though free and clear, under responsible ownership and competent management.

All property is presumed to be in conformance with applicable codes, ordinances, statutes, or other regulations.

Care has been taken to obtain information from reliable sources. However, the consultant cannot be responsible for the accuracy of information provided by others.

The consultant shall not be required to give testimony or to attend meetings, hearings, conferences, mediations, arbitrations, or trials by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services.

This report and any appraisal value expressed herein represent the opinion of the consultant, and the consultant's fee is not contingent upon the reporting of a specified appraisal value, a stipulated result, or the occurrence of a subsequent event.

Sketches, drawings, and photographs in this report are intended for use as visual aids, are not necessarily to scale, and should not be construed as engineering or architectural reports or surveys. The reproduction of information generated by architects, engineers, or other consultants on any sketches, drawings, or photographs is only for coordination and ease of reference. Inclusion of said information with any drawings or other documents does not constitute a representation Tropical Designs of Florida, Inc. as to the sufficiency or accuracy of said information.

Unless otherwise expressed: a) this report covers only the examined items and their condition at the time of inspection: and b) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that structural problems or deficiencies of plants or property may not arise in the future.

Appendix – F - Certification of Performance

Tropical Designs of Florida, Inc.
Arboricultural and Horticultural Consulting

I, Jeff Shimonski, certify:

- That I have personally inspected the trees and/or the property referred to in this report, and have stated my findings accurately. The extent of the evaluation is stated in the attached report;
- That I have no current or prospective interest in the vegetation or the property that is the subject of this report and have no personal interest or bias with respect to the parties involved;
- That the analysis, opinions, and conclusions stated herein are my own;
- That my analysis, opinions, and conclusions were developed and this report has been prepared according to commonly accepted arboricultural practices;
- That no one provided significant professional assistance to the consultant, except as indicated within the report;
- That my compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party.

I further certify that I am a member of the American Society of Consulting Arborists and acknowledge, accept, and adhere to the ASCA Standards of Professional Practice. I am an International Society of Arboriculture Certified Municipal Arborist FL-1052AM, am ISA Tree Risk Assessment Qualified and have been involved in the practice of arboriculture and the study of trees for over forty years.

Signed:



Dated: July 6, 2016