

***Tree Resource Evaluation for a Samanea
saman located on the property to the east
of 408 SW 4th Avenue, Ft. Lauderdale***

Prepared for:

Environmental Design, Inc.

Prepared by:

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ISA Tree Risk Assessment Qualification

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Summary

I performed a tree resource evaluation on a *Samanea saman*, rain tree on the property to the east of 408 SW 4th Avenue, Ft. Lauderdale with the folio number of 504210013560. This evaluation was performed on May 18, 2021.

I had previously inspected this tree in February 2018. I note no significant changes in the condition or vigor of this tree.

Appendix A includes tree measurements, a condition rating, and recommended radius of the tree protection zone (TPZ) and the critical root zone (CRZ).

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

I have found this tree to be in moderate condition.

Appendix C contains the ANSI A300 definitions of Tree Protection Zone (TPZ) and Critical Root Zone (CRZ).

I also followed the Levels and Scope of Tree Risk Assessment from the ANSI A300 Part 9- 2017: Levels of tree risk assessment; Level 1 limited visual tree risk assessment, Level 2 basic tree risk assessment, and Level 3 advanced tree risk assessment. The scope of this report/evaluation was limited to a Level 2 Assessment for this rain tree.

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

Observations and Recommendations

I have visited and inspected this rain tree several times over the past four or five years noticing little if any changes to the tree or its canopy.

I have rated this tree to be in moderate condition due to a cavity at the root collar on the east side of the trunk. This cavity has not appeared to have any changes or grown larger since the last time I inspected the interior of the cavity in February 2018.

There is some dead wood in the canopy that should be removed if any work is to be performed underneath or near the canopy of this tree. The dead wood/branches that I noted in the lower canopy are normal as the tree will shed branches that are being shaded-out by the upper canopy.

There is the appearance of sections of the bark sloughing-off the trunk. This is a normal characteristic this species and not a sign of poor health or vigor.

This tree is a good candidate for relocation, depending on the method of relocation and its after care.

Photos below

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 the rain tree viewed from the east. There are some dead branches in the lower canopy. This is a normal shedding of lower branches that are being shaded-out by the upper canopy. If any work is to be performed beneath or near this tree, any dead wood in the canopy should be removed.



Photo 2 above is the rain tree viewed from the north. Note the yellow measuring pole indicating an approximate height of 30 feet.

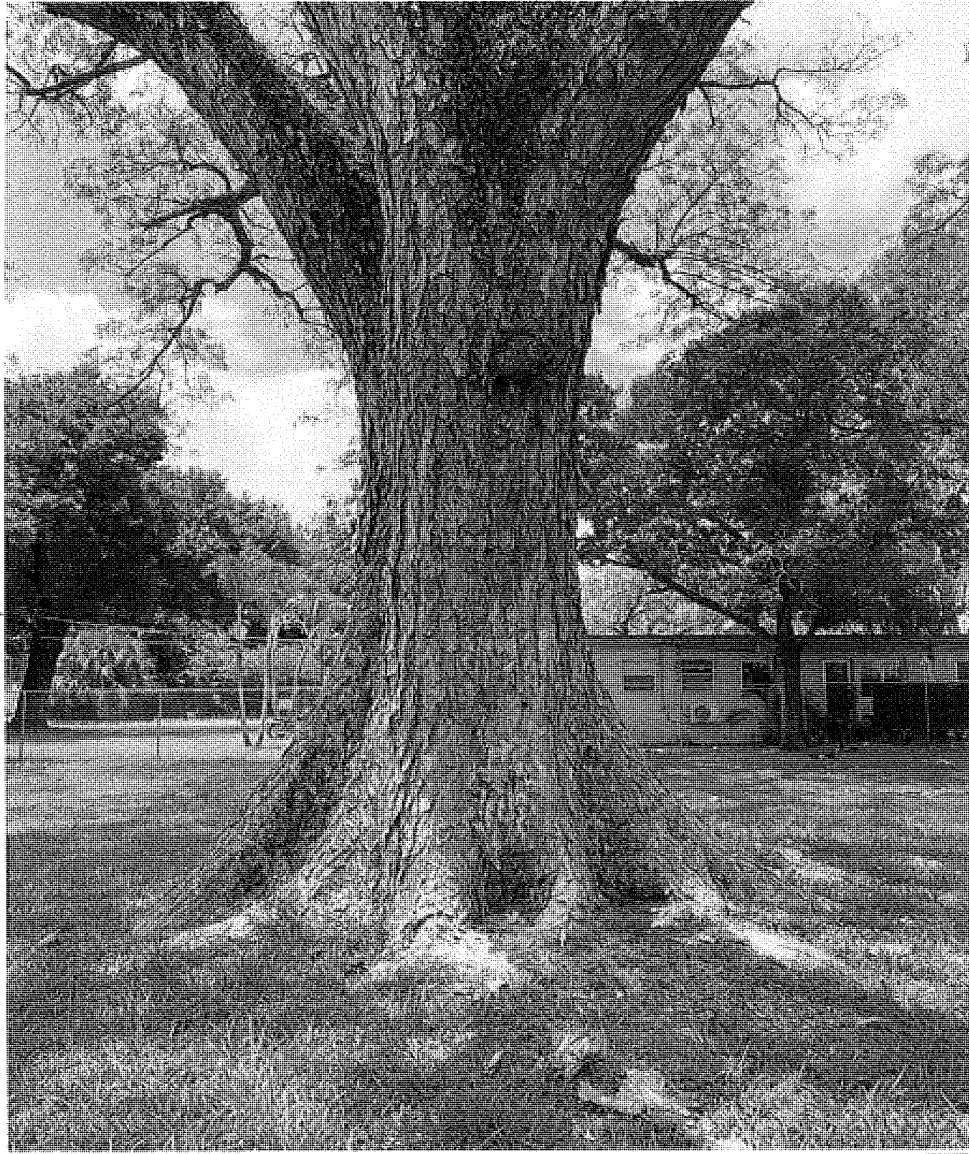


Photo 3 above is the north side of the trunk with no signs of cavities, fungal fruiting bodies, or decay noted. Sections of bark that appear to be sloughing-off the trunk is a normal characteristic for this species and not a sign of disease or poor vigor.

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Photo 4 above is the west side of the trunk with no signs of cavities, fungal fruiting bodies, or decay noted.

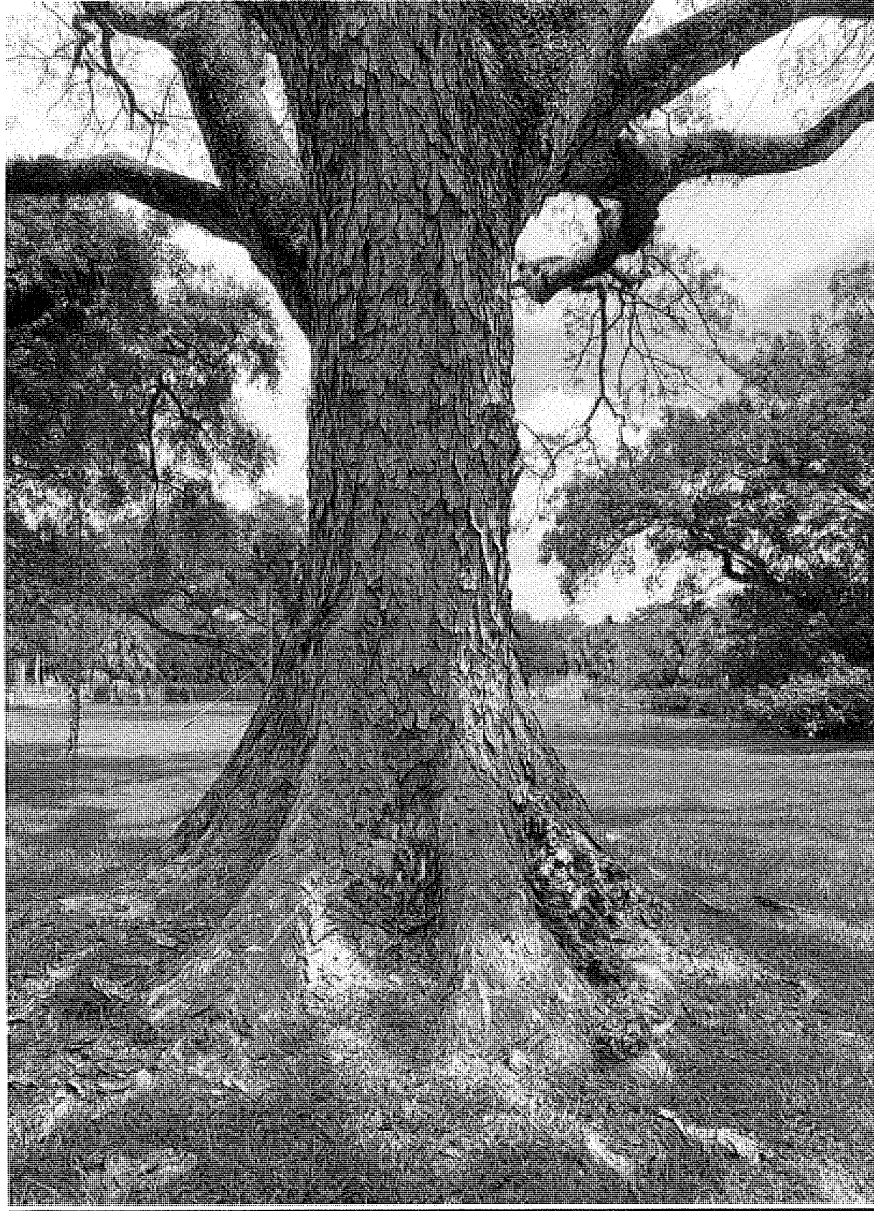


Photo 5 above is the south side of the trunk with no signs of cavities, fungal fruiting bodies, or decay noted.

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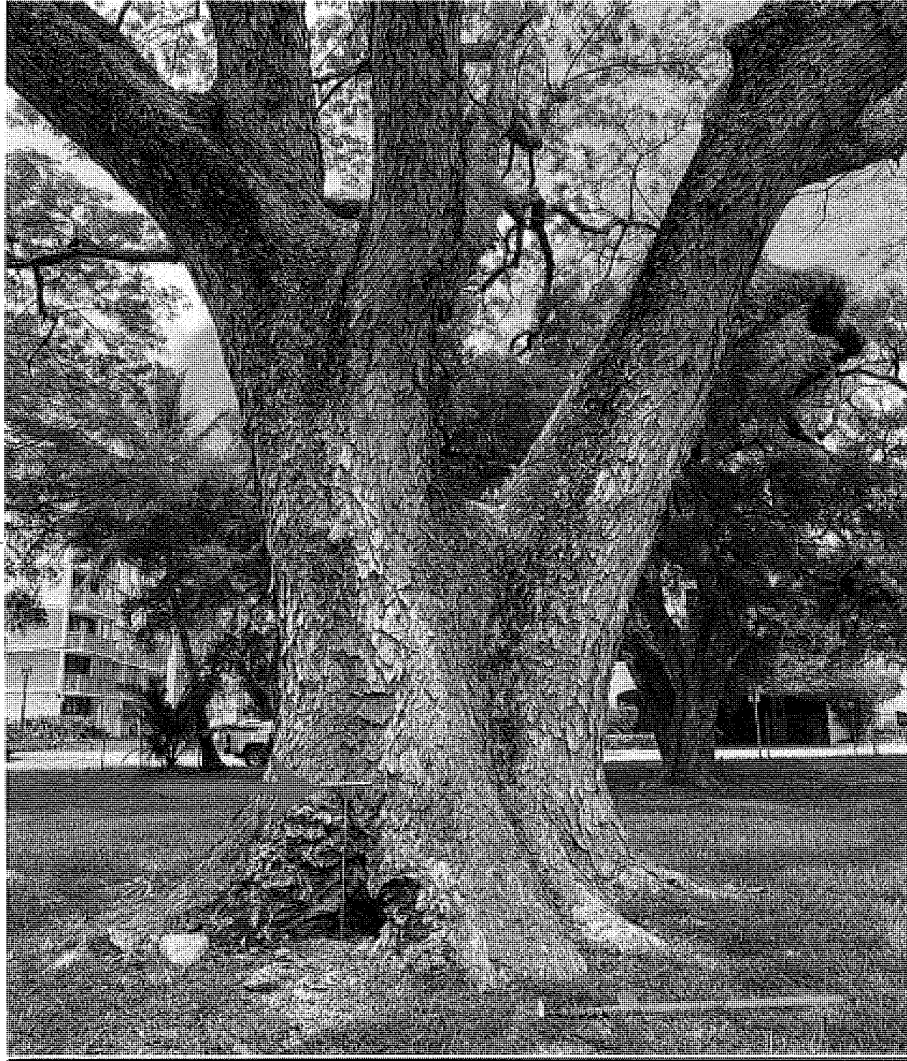


Photo 6 above is the east side of the trunk with a small cavity at the trunk base/root collar. The arrow indicates a steel spike that I utilized to probe the cavity to determine if there was active decay inside. This spike is 40 inches tall, and the handle is 12 inches wide.

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Photo 7 above is the steel spike inserted into the cavity. As I probed the sides and top of the cavity, I was unable to insert the spike into any soft wood that may be decaying. The top and sides of the cavity was very hard showing no signs of active decay.

I had previously inspected this tree, and the cavity, in February 2018 and could note no changes in the size of the cavity or the exterior wood characteristics.



Photo 8 above is the steel spike inserted into the ground approximately 18 to 20 inches. The spike stopped moving downward due to what felt like hard wood.

Appendix – A – Measurements and condition rating

Scientific name	Common name	DBH	Height	Canopy	Condition	TPZ
Samanea saman	Rain tree	79"	100'	135'	Moderate	40'

- TPZ is the radius of the tree protection zone and for this tree the CRZ or Critical Root Zone. The measurement is from the outside of the trunk.
- Height and canopy diameter is approximate. Canopy diameter measurement was measured north to south.
- DBH is rounded-off to the nearest inch.

Appendix – B - 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 – C – 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 – D – 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 – E - 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-eight years.

Signed: *Jeff Shimonski*

ISA Certification number: FL 1052AM

Dated: May 20, 2021



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