



940 71 St., Miami Beach, FL 33141

TREAGE LLC
Tree and Garden Experts

March 30, 2021

Mauricio DeLeon
Berenblum Busch Architects
2200 NW 2nd Ave, Suite 211
Miami, FL 33127

RE: 940 71 St, Miami Beach, FL 33141

Dear Mauricio,

Enclosed please find the Certified Arborist Report for the property located at 940 71 St. in Miami Beach conducted on March 29, 2021 by Treage LLC.

Please do not hesitate to contact me if you have any further questions or needs.

Thank you,

Alison Walker, ISA FL-9317A
Owner, Treage LLC ~ Tree and Garden Experts

940 71 St., Miami Beach, FL 33141



ARBORIST REPORT

940 71 St.
Miami Beach, FL 33141



Report prepared by:

Treage LLC ~ Tree and Garden Experts
www.treage.com ~ info@treage.com ~ 786.525.7883

Assignment/Overview

Treage LLC was contacted by Mauricio DeLeon of Berenblum Busch Architects in March 2021 regarding a Certified Arborist Report for a property located at 940 71 St. in Miami Beach.

There are 5 Live oak trees in the property's ROW, as well as 1 Sabal palm located in the back alley of the building. All trees are currently intended to remain.

Site Visit

A site visit was conducted on March 29, 2021. A Level 2 inspection of all trees was conducted and documented with photographs. Measurements of DBH, height, and canopy were taken and recorded, and the condition of each tree was noted. Tree measurements were taken as follows: DBH was recorded with a metal Spencer ProTape; height and canopy were estimated from the ground, or with a Stanley Power Lock metal tape when necessary; and overall condition was done by visual inspection from ground level. Critical Root Zone (CRZ) and Tree Protection Zone (TPZ) were determined based on ANSI A-300 Standards for the *Management of Trees and Shrubs During Site Planning, Site Development and Site Construction*.

Disposition Table

No.	BOTANICAL NAME	COMMON NAME	DBH (inch)	HEIGHT (ft)	SPREAD (ft)	Condition	CRZ (ft)	TPZ (ft)	Disposition	Comments
1	<i>Quercus virginiana</i>	Live oak	13	30	30	Fair	5	5	Remain	In ROW
2	<i>Quercus virginiana</i>	Live oak	11	35	25	Fair	5	5	Remain	In ROW
3	<i>Quercus virginiana</i>	Live oak	14	30	25	Fair	5	5	Remain	In ROW
4	<i>Quercus virginiana</i>	Live oak	16	35	30	Fair	5	5	Remain	In ROW
5	<i>Quercus virginiana</i>	Live oak	10	20	10	Poor	5	5	Remain	In ROW
6	<i>Sabal palmetto</i>	Cabbage palm	17 *with boots	14	6	Fair	NA	NA	Remain	In alley; under size reqts

Observations and Photographs

Tree #1 – *Quercus virginiana*, Live Oak – this tree is the southernmost of 5 Oaks located in the ROW on the west side of the building. It is in fair condition with multiple previous improper pruning cuts, resulting in stubs and sprouts and a rather poor branching structure. It is also growing in close proximity to the utility lines and has been cleared in the center of the canopy to avoid the lines, creating an unbalanced canopy. The canopy is also slightly constricted on the east/southeast side by the existing building. This tree is currently intended to remain and will require protection during construction.



Tree #2 – *Quercus virginiana*, Live Oak – this tree is growing just north of Tree #1 in the ROW on the west side of the building. It is in fair condition with an uneven canopy due to crowding by the adjacent building, as well as pruning for utility line clearance. There is resprouting present from improper pruning cuts and there is some deadwood present. This tree is currently intended to remain and will require protection during construction.



Tree #3 – *Quercus virginiana*, Live Oak – this tree is growing just north of Tree #2 in the ROW on the west side of the building. It is in fair condition with a rather poor branching structure and uneven canopy due to improper cuts, resprouting, utility line clearing, and crowding by the adjacent building. There is limb damage over the roadway with minor decay present. There are also circling surface roots visible. This tree is currently intended to remain and will require protection during construction.



Tree #4 – *Quercus virginiana*, Live Oak – this tree is growing just north of Tree #3 in the ROW on the west side of the building. It is in fair condition but is leaning to the north due to crowding by the adjacent trees and building. There is codominance with included bark present, as well as improper pruning cuts present with resprouting. There is also surface root damage visible. This tree is currently intended to remain and will require protection during construction.



940 71 St., Miami Beach, FL 33141

Tree #5 – *Quercus virginiana*, Live Oak – this tree is the northernmost of the 5 Live oaks located in the ROW on the west side of the building. It is in poor condition and is very crowded by the canopy of Tree #4. It has an overall weak structure with codominance, poor pruning cuts, resprouting, lean, and deadwood present. This tree is currently intended to remain, but may be considered for removal due to its condition and to reduce crowding.



Trees #1-5, right to left

Tree #6 – *Sabal palmetto*, Sabal palm – this palm is growing directly against the south side of the building in the alleyway. It is in fair condition although crowded by the existing building and surrounded by asphalt. This tree is currently intended to remain, however should be considered for removal due to its location. It is currently under the size requiring regulation and may be removed without mitigation.



Summary

There are 6 trees located onsite - 5 in the ROW on the west side of the building and 1 in the back alley.

All of the Live Oaks are currently intended to remain, although they all have minor structural/cosmetic issues and are in fair condition at best. Tree #5, in particular, may be considered for removal due to its poor condition and overcrowding. Alternatively, Tree #4 can be pruned to reduce interference between the two canopies. Maintenance pruning of all remaining Oaks is recommended to remove any dead wood and selectively remove weak sprouts. Their specified TPZ's have been reduced due to the fact that their CRZ's are already largely covered by hardscape ie the roadway, sidewalk and existing building. However, protection measures detailed below should be adhered to in the specified TPZ's at a minimum, and pending work plans, may need to be increased if there is major construction or demolition of any surrounding hardscape.

Tree #6, the Cabbage palm, is currently intended to remain and would also require protection per details below; however, it is recommended as a candidate for removal due to its location and the fact that it is currently under the size requiring regulation.

Tree Protection Measures

All trees within the work area must be protected during all phases of development per ANSI A-300 (Part 5): Standard Practices (Management of Trees and Shrubs During Site Planning, Site Development, and Construction).

940 71 St., Miami Beach, FL 33141

Protection measures include, but are not necessarily limited to: 1) establishing Tree Protection Zones (TPZ) with proper fencing and signage, 2) protecting the Critical Root Zone (CRZ) with a temporary application of a minimum of 6" of mulch to disperse vehicular loads in access routes, thereby reducing soil compaction and mechanical root damage, 3) installing 2" thick wood planks around the trunk on a closed cell foam pad for high risk or high value trees, 4) ensuring that no grade changes occur in the Tree Protection Zone, and no storage or disposal of harmful substances should occur in Tree Protection Zone, 5) avoiding cutting any roots greater than 2" diameter, and making sure that all cuts are clean cuts, and 6) pruning per ANSI standards if there are any conflicts with overhanging limbs in the work area.

See Tree Protection Detail below. Additional details on protection during construction can be found in the ANSI A-300 standards referenced above, or by further consultation and oversight of construction activities by a certified arborist.

Please do not hesitate to contact me with any further questions.

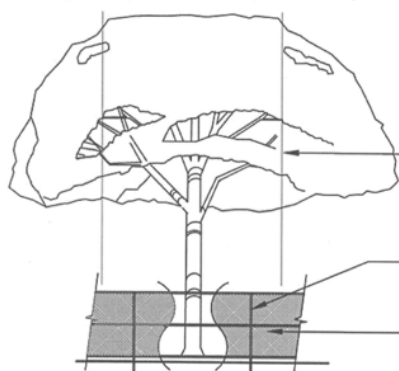
Thank you,



Alison Walker, ISA FL-9317A
Owner, Treage LLC ~ Tree and Garden Experts

TREE / PALM PROTECTION FENCES SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY INCLUDING GRUBBING FOR ALL TREES / PALMS THAT ARE 'TO REMAIN, BE PROTECTED, or BE RELOCATED'

NO ACTIVITY OR DISTURBANCE SHOULD OCCUR WITHIN THE FENCED AREAS, INCLUDING VEHICLE USE, STORAGE OF MATERIALS, DUMPING OF LIQUIDS OR MATERIALS, GRADE CHANGES, GRUBBING, AND MECHANICAL TRENCHING FOR IRRIGATION, ELECTRICAL, LIGHTING, ETC.



In no case shall the fence be installed less than ten feet from the trunk

Tree + Palm protection barriers to extend beyond the 'dripline' or to the 'critical root zone area' of all trees/palms to be protected. Extend where necessary to protect tree canopy roots

Barriers shall be a minimum of four feet high, and shall be constructed of continuous chain link fence with metal posts at eight-foot spacing, or of two-by-four-inch posts with three equally spaced two-by-four-inch rails. Posts may be shifted to avoid roots.

PROTECTION DETAIL NOTE

CONTRACTOR TO INSTALL 'TREE / PALM PROTECTION FENCE BARRIERS' AROUND ALL EXISTING TREES OR PALMS AT THE START OF THE PROJECT. BARRIERS TO REMAIN IN PLACE THROUGHOUT THE DURATION OF THE PROJECT AND SHOULD NOT BE REMOVED OR DROPPED FOR ANY REASON WITHOUT AUTHORIZATION FROM THE CITY OF MIAMI BEACH URBAN FORESTER + PLANNING + ZONING DEPARTMENT

C.M.B. TREE / PALM PROTEC. DETAIL

Treage LLC ~ Tree and Garden Experts
www.treage.com ~ info@treage.com ~ 786.525.7883