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## Arborist Report

5226 N Bay Rd  
Miami Beach, FL 33140



06/14/2021

## Summary

A site visit was performed on 06/09/2021 at the request of the Thiago Menezes of ARVC Architecture. The purpose of the report is to document and evaluate the current condition of existing trees on the site. The following report includes a tree list with numbering sequence established by the surveyor, botanical and the common name, size (height, spread, DBH), written assessment about the condition, disposition status, relevant photos, recommendations, and tree protection zone calculations. Should you have any questions, please feel free to contact me.

### Arborist Information:

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Petar Stracenski  
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### Client Information:

Thiago Menezes

(510) 480-5817

thiago@avrc.io

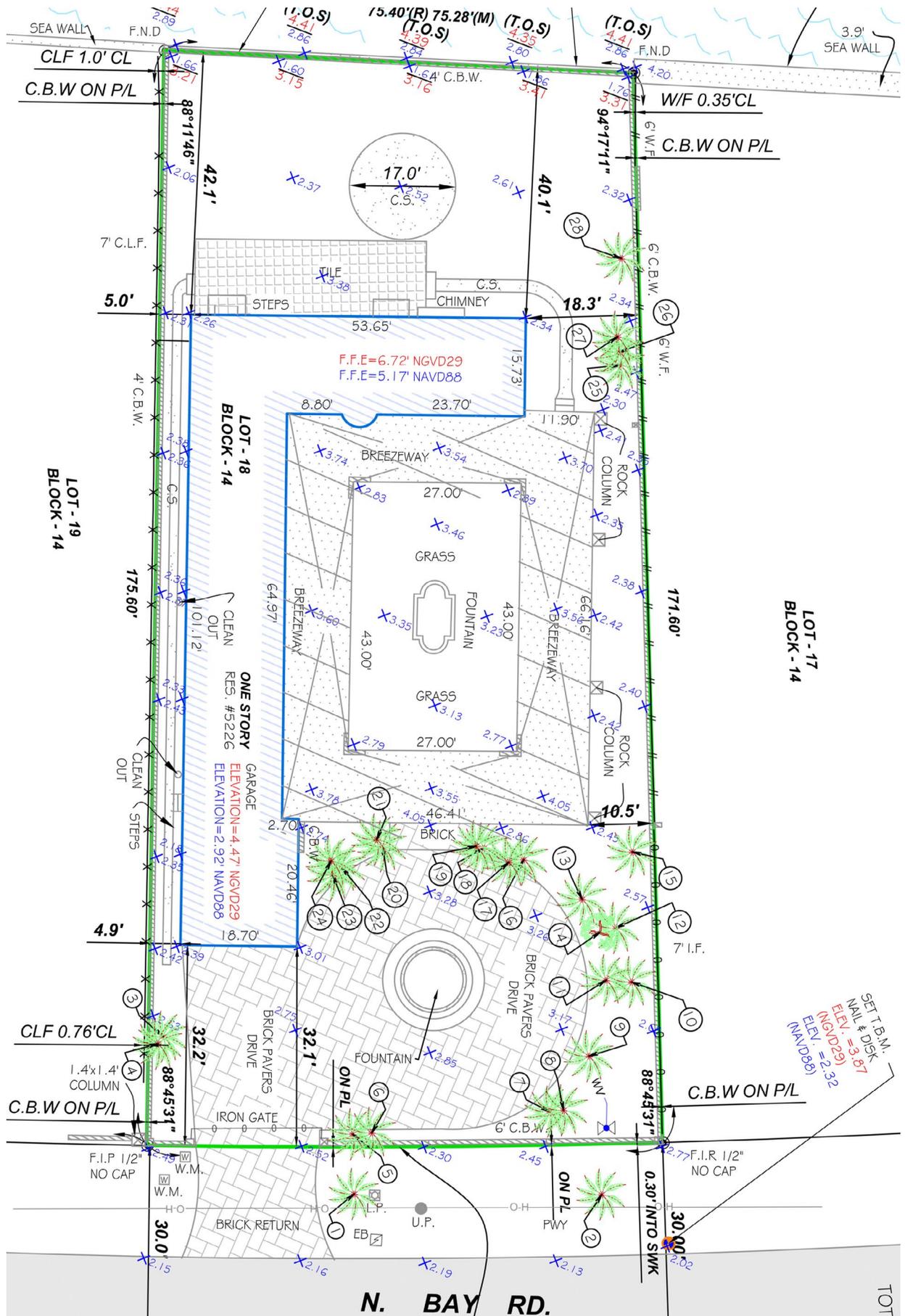
### Project Information:

5226 N Bay Rd

Miami Beach, FL 33140

## EXISTING TREE LIST

#	BOTANICAL NAME	COMMON NAME	DBH	HT	SP	DISPOSITION	TPZ
1	<i>Phoenix roebelenii</i>	Double Pygmy Date Palm	10 "	10 '	12 '	Remove	N/A
2	<i>Phoenix roebelenii</i>	Triple Pygmy Date Palm	14 "	10 '	12 '	Remove	N/A
3	<i>Roystonea elata</i>	Royal Palm	12 "	32 '	18 '	Remove	N/A
4	<i>Roystonea elata</i>	Royal Palm	14 "	34 '	18 '	Remove	N/A
5	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	23 '	6 '	Remove	N/A
6	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	21 '	6 '	Remove	N/A
7	<i>Phoenix roebelenii</i>	Pygmy Date Palm	5 "	10 '	6 '	Remove	N/A
8	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	10 '	6 '	Remove	N/A
9	<i>Dypsis lutescens</i>	Areca Palm	Multi	12 '	14 '	Remove	N/A
10	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	22 '	6 '	Remove	N/A
11	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	8 '	6 '	Remove	N/A
12	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	22 '	6 '	Remove	N/A
13	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	22 '	6 '	Remove	N/A
14	<i>Manilkara zapota</i>	Sapodilla Tree	31 "	28 '	30 '	Relocate	22'
15		Dead Tree				Remove	N/A
16	<i>Phoenix roebelenii</i>	Pygmy Date Palm	5 "	10 '	6 '	Remove	N/A
17	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	10 '	6 '	Remove	N/A
18	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	10 '	6 '	Remove	N/A
19	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	10 '	6 '	Remove	N/A
20	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	10 '	6 '	Remove	N/A
21	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	11 '	6 '	Remove	N/A
22	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	9 '	6 '	Remove	N/A
23	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	10 '	6 '	Remove	N/A
24	<i>Phoenix roebelenii</i>	Pygmy Date Palm	5 "	12 '	6 '	Remove	N/A
25	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	22 '	6 '	Remove	N/A
26	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	22 '	6 '	Remove	N/A
27	<i>Ptychosperma elegans</i>	Solitaire Palm	2x4"	22 '	6 '	Remove	N/A
28	<i>Ptychosperma elegans</i>	Solitaire Palm	9x4"	22 '	6 '	Remove	N/A
29	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	22 '	6 '	Remove	N/A



Tree #	Scientific Name	Common name	DBH	Height	Spread	Native
1	<i>Phoenix roebelenii</i>	Double Pygmy Date Palm	10 "	10 '	12 '	No
2	<i>Phoenix roebelenii</i>	Triple Pygmy Date Palm	14 "	10 '	12 '	No

Trees #1 and #2 are Pigmy Date Palms located in front of the property at the Public Right of Way. These palms are in fair condition. Based on Landscape Architects Tree Disposition Plan, these palms are proposed for removal.



Tree #	Scientific Name	Common name	DBH	Height	Spread	Native
3	<i>Roystonea elata</i>	Royal Palm	12 "	32 '	18 '	Yes
4	<i>Roystonea elata</i>	Royal Palm	14 "	34 '	18 '	Yes
5	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	23 '	6 '	No
6	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	21 '	6 '	No

Trees #3 and #4 are Royal Palms located on the south side of the driveway next to the 3' tall CMU property wall. Trees #5 and #6 are Solitaire Palms located on the east side of the driveway next to the 6' tall front property wall. These palms are in fair condition and based on Landscape Architects Tree Disposition Plan, they are proposed for removal.



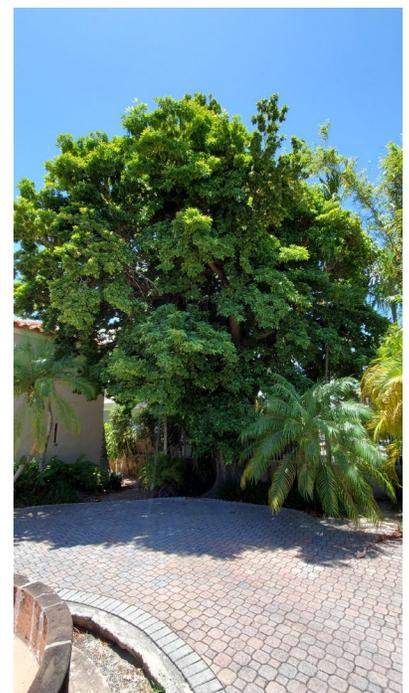
Tree #	Scientific Name	Common name	DBH	Height	Spread	Native
7	<i>Phoenix roebelenii</i>	Pygmy Date Palm	5 "	10 '	6 '	No
8	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	10 '	6 '	No
9	<i>Dypsis lutescens</i>	Areca Palm	Multi	12 '	14 '	No
10	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	22 '	6 '	No
11	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	8 '	6 '	No

Trees #7-#11 is a group of palms located at the east corner of the property. All these palms are in poor condition with many structural defects and signs of nutrient deficiency. These palms are proposed for removal.



Tree #	Scientific Name	Common name	DBH	Height	Spread	Native
12	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	22 '	6 '	No
13	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	22 '	6 '	No
14	<i>Manilkara zapota</i>	Sapodilla Tree	31 "	28 '	30 '	No
15		Dead Palm Tree				

Trees #12-#15 are located on the north side of the driveway. Trees #12 and #13 are Solitaire Palms that are in conflict with the canopy of the Sapodilla Tree #14. These palms are proposed for removal. Sapodilla Tree is in good condition with good vigor and a well-developed structure. Canopy holds some dead and broken branches and crown cleaning is recommended. Due to the conflict of CRZ with the proposed architecture, this tree is proposed for relocation. Root pruning by Certified Arborist should be performed in accordance with ANSI A3000 (Part 8) standards prior to relocation of this tree.



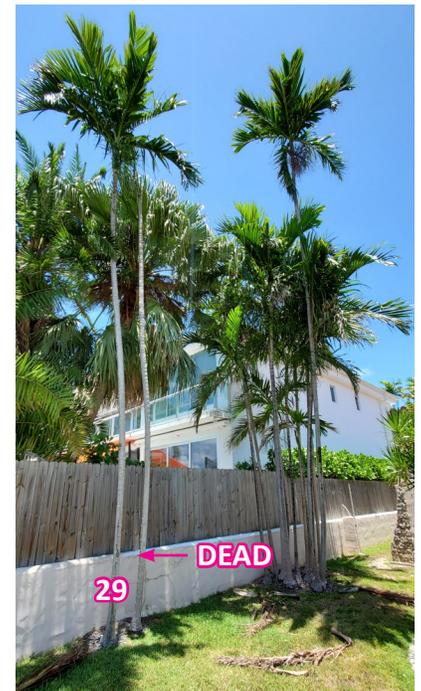
Tree #	Scientific Name	Common name	DBH	Height	Spread	Native
16	<i>Phoenix roebelenii</i>	Pygmy Date Palm	5 "	10 '	6 '	No
17	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	10 '	6 '	No
18	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	10 '	6 '	No
19	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	10 '	6 '	No
20	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	10 '	6 '	No
21	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	11 '	6 '	No
22	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	9 '	6 '	No
23	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4 "	10 '	6 '	No
24	<i>Phoenix roebelenii</i>	Pygmy Date Palm	5 "	12 '	6 '	No

Trees #16- #24, are Pigmy Date Palms located in front of the existing house. These palms are in poor condition, overgrown with some structural defects and signs of nutrient deficiency. These palms are proposed for removal.



Tree #	Scientific Name	Common name	DBH	Height	Spread	Native
25	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	22 '	6 '	No
26	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	22 '	6 '	No
27	<i>Ptychosperma elegans</i>	Solitaire Palm	2x4"	22 '	6 '	No
28	<i>Ptychosperma elegans</i>	Solitaire Palm	7x4"	22 '	6 '	No
29	<i>Ptychosperma elegans</i>	Solitaire Palm	4 "	22 '	6 '	No

Trees #25-#29 are Solitaire Palms located in the back of the house along the north property line. These palms are in fair condition. Based on Landscape Architects Tree Disposition Plan, these palms are proposed for removal.



## **TREE PROTECTION ZONE GUIDELINES**

Tree Protection Zones will need to be erected for all of the trees that are on the site that could be affected during the demolition and process. Radius of the TPZ shall be measured from the tree trunk to the edge of the protective fence. Fencing shall be composed of 4" x 4" wood framing, minimum 4 feet tall, and no equipment shall enter this area during the entirety of the demolition and construction process. Proper installation of the TPZ shall be ensured by the Certified Arborist. Natural grade shall be maintained within the TPZ. All remaining trees will need to be verified for viability by the Certified Arborist upon project completion.

### **GLOSSARY**

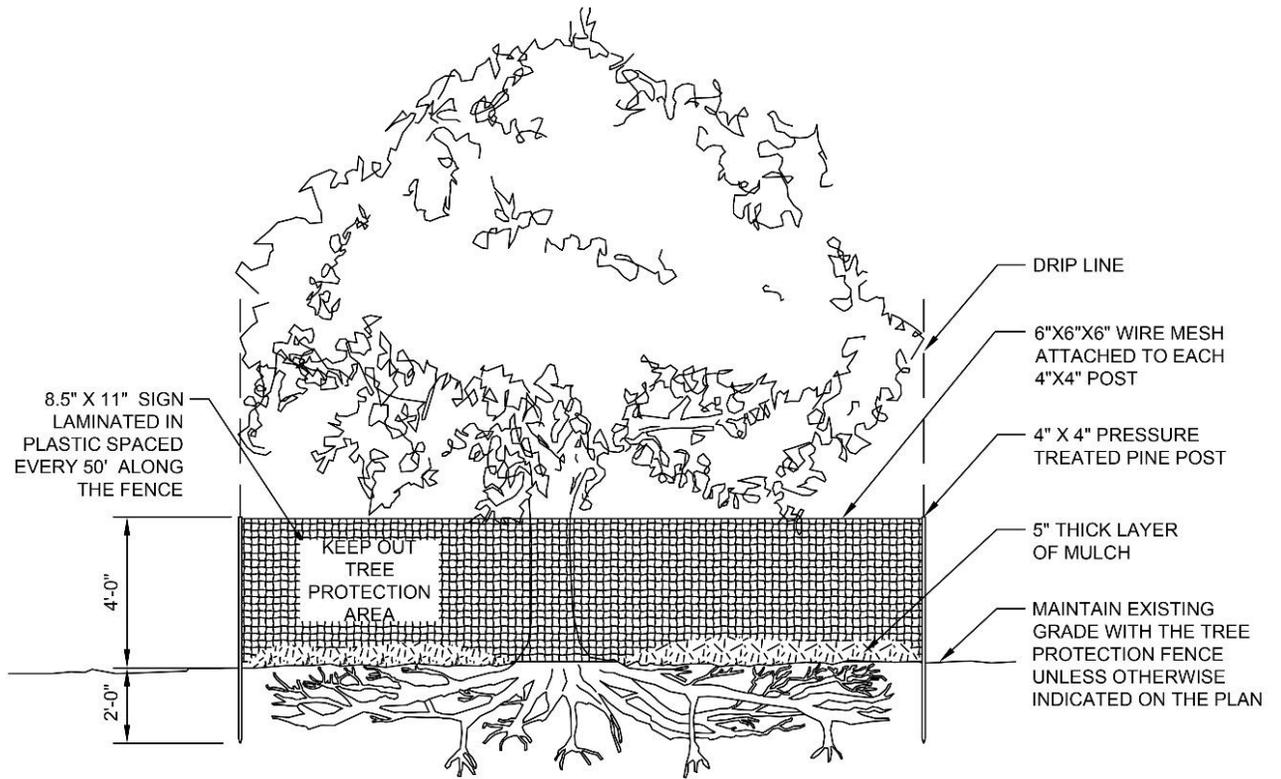
**ANSI** - American National Standards Institute.

**DBH** – Diameter at Breast Height, the diameter of the trunk at approximately 4.5' height.

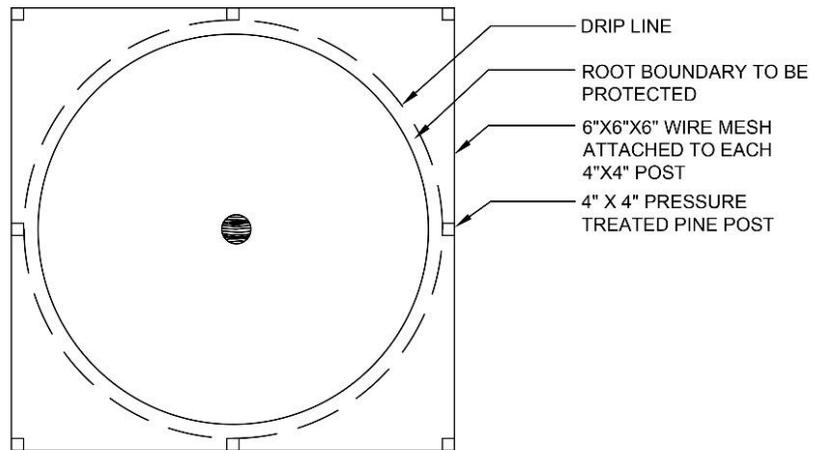
**CRZ** - Critical Root Zone, the minimum volume of roots necessary to have for tree health and stability.

**TPZ** – Tree Protection Zone, 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, age and health of the plant, soil conditions, and proposed construction.

**ROW** – Right of way.



**SECTION VIEW**



**PLAN VIEW**

**NOTES:**

- 1- SEE EXISTING TREE LIST FOR TREE PROTECTION ZONE RADIUS.
- 2- NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
- 3- NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
- 4- BARRIER TO FORM CONTINUOUS CIRCLE AROUND THE TREE OR GROUP OF TREES

**Tree Protection Fence Detail  
(Not to scale)**

## **ARBORIST DISCLOSURE AND GENERAL LIMITATIONS**

This report has been prepared by an Arborist certified by the International Society of Arboriculture. Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of the trees and attempt to reduce the risk of living near trees. Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Since trees are living organisms, conditions are often hidden within the tree and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specific period of time. Likewise, the results of remedial treatments cannot be guaranteed. Trees can be managed but they cannot be controlled. To live near trees is to accept some degree of risk and the only way to eliminate all risk associated with trees is to eliminate all of the trees.

Tree assessment provided is based on visual recording at the time of inspection. Visual records do not include testing or analysis and do not include aerial or subterranean inspection. Arborist is not responsible for discovery or identification of hidden or otherwise non-observable conditions or risks. Records may not remain accurate after inspection due to variable deterioration of inventoried material and site disturbance. Arborist provides no warranty with respect to the fitness of the urban forest for any use or purpose whatsoever or for future outcomes of the assessed trees. Clients may choose to accept or disregard recommendations or to seek additional advice. Visual inspection is confined to the designated subject tree(s) and the inspections for this project are performed in the interest of facts of the tree(s) without prejudice to or for any other service or any interested party.

Arborist offers no opinion and do not purport to opine on the possible application of various building codes, zoning ordinances, other land use or platting regulations, environmental or health laws and other similar statutes, laws, ordinances, code and regulations affecting the possible use and occupancy of the Property for the purpose for which it is being used, except as specifically provided above.