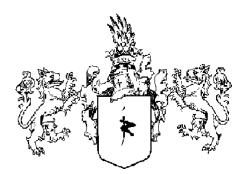
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Tree Assessment Report

PROJECT NAME / LOCATION: 3017 Flamingo Dr. Miami Beach FL 33140

PREPARED FOR: DVICE Dan Ritchie 2655 South Le Jeune Rd. Suite PH1-E Coral Gables, FL 33134

PREPARED BY:

Jorge L Rivera Agronomist – FIU Horticulture Certified ISA Certified Arborist FL0704A - Tree Risk Assessment Qualified FL – GIBMP Certified LIAF – Landscape Inspector Member, International Society of Arboriculture

DATE: March 4th, 2021

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SUMMARY

I performed a tree evaluation on the property located at 3107 Flamingo Dr. Miami Beach, FL 33140 on Thursday, March 4th, 2021. The approximate location of these trees and palms can be found on the schematics in Appendix B.

The evaluation in Appendix A includes trees and palms measurements, condition rating,

I rated the trees in accordance with ANSI A300(Part 5) - 2005, Annex A, Management Report Information. Trees and palms are rated Good, Moderate or Poor, see Appendix C. I recommend the removal of trees and palms that I rated as Poor or determined to be invasive species by the Florida Exotic Plant Pest Council, List 2019.

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 Advance Tree Risk Assessments. The scope of this report/evaluation was limited to a Level 2 Assessment for all trees on site.

To perform all measurements, I used a forestry diameter measuring tape, a measuring pole, a measuring wheel, a Nikon Forestry Pro Range Finder/Hypsometer, and an Olympus sp-600UZ digital camera. I rounded off to the nearest inch when measuring trunk diameter. Heights and canopy diameters are approximate.

Photos.

The color and brightness of some photos has been adjusted to provide contrast and clarity to the subject matter by using PhotoScape X software. 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, <u>www.SWGIT.org.</u> All the photos were taken by me.

INTRODUCTION

1.1 ASSIGNMENT

This assignment was requested and prepared by Jorge L Rivera ISA Certified Arborist FL-0704, and member of the International Society of Arboriculture (ISA), for Dan Ritchie. The assignment is to:

a. Locate, identify, photograph, and evaluate existing trees that will be relocated or removed at the above referenced property.

1.2 SCOPE OF WORK

a. Confirm location for all trees

b. Inventory, assess, and photograph all trees on March 4th, 2021, the assessment date.

- c. Confirm individual tree location on provided Landscape Sheet L100 dated August 5th, 2020
- d. Prepare report documenting all observations including individual tree attributes, specimen designation, native or exotic tree status.

TREE ASSESSMENT METHODOLOGY

On March 4th, 2021 a visit to the referenced property was conducted to identify, evaluate, the trees by means of the methods described below:

1.1 Locations for the trees shown on provided Landscape Sheet L100 were confirmed and corrected in the field on March 4th, 2021. Species information for all trees was updated. Tree numbering, and identification was confirmed in the L100. Data was submitted to be included in the Tree Disposition Plan.

1.2 FIELD INVENTORY DATA COLLECTION The following data was collected in the field for each tree:

a. Species - listed as botanical and common name

b. Dimensions were taken as follows:

- Overall height and canopy spread measurement were taken with a Nikon ProRange finder/Hypsometer. Overall height for trees was measure from grade level to the uppermost branches. For palms, overall height was measured from ground level to the top of the arc made by the uppermost frond.
- Trunk diameter were measured using a forestry diameter tape. Diameter measurements were collected using standard protocol described by the "Guide for Plant Appraisal, 10th Edition". With some trees, the measurement was taken slightly higher or lower where a limb may have interfered.
- Canopy cover was calculated by converting the canopy spread diameter into square feet with the following formula:

Canopy cover area = crown spread = $2(area/\pi)^{\frac{1}{2}}$

The obtained canopy cover was compared to data using Google Earth EasyAcreage V1.0

(demo version)

• Plant age based on the development stage, described as young, semi-mature, mature, and old.

• General condition as relates to health, structure, and form, expressed as percentage rating as per the method in chapter four of the "Guide for Plant Appraisal, 10th edition". A percentage rating was applied to each tree and corresponds with one of the following categories:

- 81 100% (Excellent)
- 61 80% (Good)
- 41 60% (Fair)
- 6 20% (Very poor)
- 0 5% (Dead)

e. Biotic and/or abiotic disorders, if any.

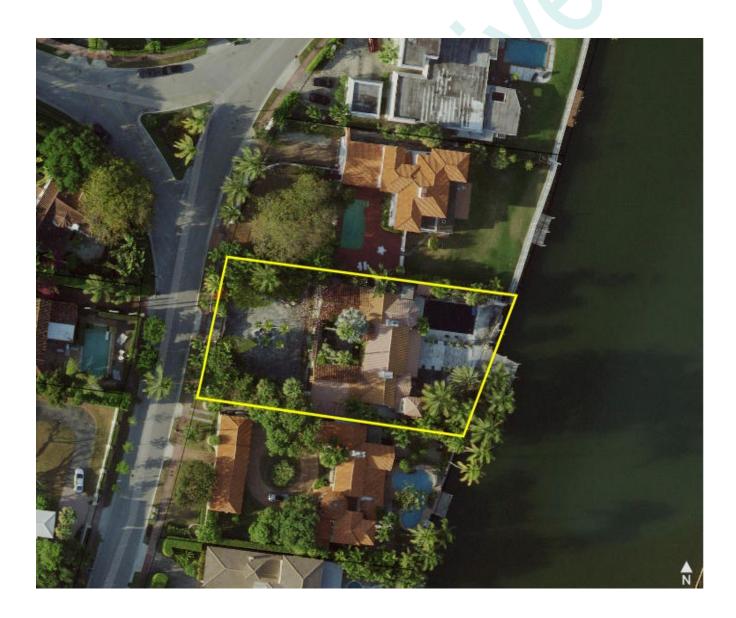
LOCATION

e.

- 1.3 <u>SITE LOCATION</u>
- a. Address 3107 Flamingo Dr. Miami Beach, FL 33140
- b. Folio:
- c. Parcel Size:
- d. Existing land use:
- 02-3226-002-0230 19,967 Sq Ft 13 – SINGLE FAMILY, LOW DENSITY (UNDER 2DU /GROSS ACRE). RS -3-

1.4 SITE LOCATION MAP

Zoning Code:



OBSERVATIONS

* REFER TO APPENDIX A FOR TREE LIST * * REFER TO APPENDIX C FOR TREE PHOTOGRAPHS*

- The column identified as TPZ is the recommended radius of the tree protection zone.
- The TPZ is measured from the outside of the trunk.
- A "0" in the DBH column denotes no trunk has grown to 4.5 feet above grade.

APPENDIX - B - APPROXIMATE LOCATION OF TREES AND PALMS

APPENDIX - C

ANSI A300 (Part 5) - 2005, Annex A Management report information Examples of suitability ratings

<u>Good</u>: This are trees with good health and structural stability that have the potential for longevity at the site.

<u>Moderate</u>: 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 lifespans that 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 trees 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 A300 (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

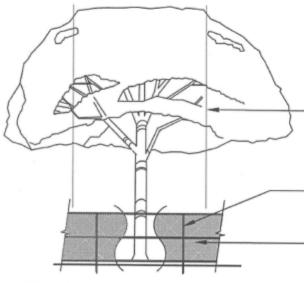
A tree protection zone (TPZ) shall be delineated around all trees to be protected during a project

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

<u>APPENDIX - E - SCHEMATIC FOR TREE PROTECTION DURING</u> <u>CONSTRUCTION</u>

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

The dimensions for the tree protection zones for all trees to remain on site are shown in Appendix - A. This area shall be encircled with a four-foot-high sturdy fence supported by wooden stakes, steel rods or pipes to support the fence every six feet. There shall be signage on the fence in English and Spanish not allowing storage of any materials, change of grade or movement of equipment. This fence shall be inspected regularly by the contractor to ensure compliance with local ordinance/code.

CONCLUSIONS AND RECOMMENDATIONS

Trees to be retained should be protected per Landscape Sheet Plan L100, Appendix A.

Most trees are in Moderate condition, a couple in Poor physiological health. According to the information provided.

ASSUMPTIONS AND LIMITING CONDITIONS

Any legal description provided to the consultant is assumed to be correct. Any titles or ownership are assumed to be good and marketable. All property is appraised or evaluated as though free and clear, under responsible ownership and competent management. No responsibility is assumed for matter legal in character.

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, mediation, arbitration, or trials by reasons of this report unless subsequent contractual arrangements are made, including payments of an additional fee for such services.

This report is not a tree risk assessment and is not to be used to determine the potential for tree failure. Unless otherwise agreed, (1) information contained in this report covers only the items examined and reflects the condition of those items at the time of inspection; and (2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, climbing, or coring. Consultant makes no warranty or guarantee, expressed or implied, that the problems or deficiencies of the plans or property in question may not arise in the future.

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.

Unless required by law, possession of this report does not imply right of publication or use for any purpose by any person other than the person to whom it is addressed, without the prior express written consent of the consultant.

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 by consultant as to the sufficiency or accuracy of the information. Loss or alteration of any part of this report invalidates the entire report.

Certification of performance.

I, Jorge L Rivera certify:

That I have personally inspected the tree(s) and/or the property referred in this report, and have stated my findings accurately. The extend of the evaluation and appraisal is stated in the attached report and the Terms and Conditions.

That I have no current or prospective interest in the vegetation or the property that is the subject of this report, and I have no interest or bias with respect to the parties involved.

That the analysis, opinions, and conclusions stated herein are my own, and are based on current scientific procedures and facts.

That my compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party, nor upon the results of the assessment, the attainment of stipulated results, or the occurrence of any subsequent events.

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 in the report.

I further certify that I am a member of the International Society of Arboriculture and a Certified Arborist, I have been involved in the practice of Arboriculture and the care and study of trees for over 35 years.

Signed

Jorge Luis Rivera Certified Arborist - FL0704A

Terms and conditions

The following terms and conditions apply to all oral and written reports and correspondence pertaining to consultations, inspections, and activities of Jorge L Rivera:

1. All property lines and ownership of property, trees, and landscape plants and fixtures are assumed to be accurate and reliable as presented and described to the consultant, either verbally or in writing. The consultant assumes no responsibility for verification of ownership or location of property lines, or for results of any actions or recommendations based on inaccurate information.

2. It is assumed that any property referred to in any report or in conjunction with any services performed by Jorge L Rivera, is not in violation of any applicable codes, ordinances, statutes, or any other governmental regulations, and that any titles and ownership to any property are assumed to be good and marketable. Any existing liens and encumbrances have been disregarded.

3. All reports and other correspondence are confidential, and are property of Jorge L Rivera and it's named clients and their assignee or agents. Possession of this report of a copy thereof does not imply any right of publication or use for any purpose, without the express permission of the consultant and the client to whom the report was issued. Loss, removal, or alteration of any part of the report invalidates the entire appraisal/evaluation/assessment.

4. The scope of any report or other correspondence is limited to the trees and conditions specifically mentioned in those reports and correspondence. Jorge L Rivera assume no liability for the failure if trees or parts of the trees, either inspected or otherwise. The consultant assumes no responsibility to report on the condition of any tree or landscape feature not specifically requested by the named client.

5. All inspections are limited to visual examination of accessible parts, without dissection, no warranty or guaranty is made, expressed or implied, that problems or deficiencies of the plants or the property will not occur in the future, from any cause. The consultant shall not be responsible for damages caused by any tree

defects, and assumes no responsibility for the correction of defects or tree related problems.

6. The consultant shall not be required to provide further documentation, give testimony, be deposed, or attend court by reason of this appraisal/report/ unless subsequent contractual arrangements are made, including payment of additional fees for such services as described by the consultant or in the fee schedules or contract.

7. Jorge L Rivera has no warranty, either expressed or implied, as to the suitability of the information contained in the reports for any purpose. It remains the responsibility of the client to determine applicability to his/her case.

8. Any report and the values, observations, and recommendations expressed therein represent the professional opinion of the consultant, and the fee for services is in no matter contingent upon the reporting of a specified value nor upon any finding to be reported.

9. Any photographs, diagrams, graphs, sketches, or any other graphic material included in any report, being intended solely as visual aids, are not necessarily to scale and should not be construed as engineering reports or surveys, unless noted otherwise noted in the report. Any reproduction of graphs material or the work product or any other persons is intended solely for the purpose of clarifications and ease of reference. Inclusion of said information does not constitute a representation by Jorge L Rivera as to the sufficiency or accuracy of that information

Tree number	Scientific name	Common name	DBH in	Height Ft.	Canopy Spread	TPF Ft.	Condition	Status native Y/N	Tree Disposition
1	Veitchia merrillii	Christmas palm	5	12	7	N/A	Good	Ν	Row Remove
2	Veitchia merrillii	Christmas palm	5	12	7	N/A	Good	Ν	ROW Remove
3	Veitchia merrillii	Christmas palm	5	12	7	N/A	Good	Ν	ROW Remove
4	Veitchia merrillii	Christmas palm	5	12	7	N/A	Good	Ν	ROW Remove
5	Veitchia merrillii	Christmas palm	5	12	7	N/A	Good	Ν	ROW Remove
6	Phoenix roebellinii	Pygmy date palm	4	8	8	N/A	Moderate	Ν	Remove
7	Terminalia catappa	Tropical almond	12	28	35	N/A	Moderate	Ν	Remove
8	Plumeria rubra	Frangipani	6	19	15	6	Moderate	Ν	Relocate
9	Araucaria heterophylla	Norfolk pine	18	58	12	N/A	Good	Ν	Remove
10	Phoenix roebellinii	Pygmy date palm	4	8	7	N/A	Moderate	Ν	Remove
11	Veitchia merrillii	Christmas palm	5	12	7	N/A	Good	Ν	ROW Remove
12	Veitchia merrillii	Christmas palm	5	12	7	N/A	Good	Ν	ROW Remove
13	Cocos nucifera 'Maypan'	Coconut palm	10	20	15	N/A	Moderate	Ν	ROW-Remove
14	Veitchia merrillii	Christmas palm	5	12	15	N/A	Good	Ν	ROW Remove
15	Veitchia merrillii	Christmas palm	5	12	7	N/A	Good	Ν	ROW Remove
16	Plumeria rubra	Frangipani	6	20	18	N/A	Moderate	Ν	Remove
17	Dypsis lutescens	Areca palm	18	20	14	N/A	Moderate	Ν	Remove
18	Araucaria heterophylla	Norfolk pine	18	58	12	N/A	Good	Ν	Remove
19	Veitchia merrillii	Christmas palm	6	12	7	N/A	Good	Ν	Remove
20	Hyophorbe lagenicaulis	Bottle palm	12	8	6	N/A	Moderate	Ν	Remove
21	Veitchia merrillii	Christmas palm	5	12	7	N/A	Good	Ν	Remove
23	Ptychosperma elegans	Solitaire palm	4	18	8	N/A	Good	Ν	Remove
24	Ptychosperma elegans	Solitaire palm	4	19	8	N/A	Good	Ν	Remove
25	Ptychosperma elegans	Solitaire palm	4	16	8	N/A	Good	Ν	Remove
26	Ptychosperma elegans	Solitaire palm	4	22	8	N/A	Good	N	Remove
27	Cresentia cujete	Calabash tree	8	20	20	N/A	Moderate	Y	Remove
31	Plumeria rubra	Frangipani	24	38	40	24	Good	N	Relocate
32	Washingtonia robusta	Washington palm	14	36	15	N/A	Moderate	Ν	Remove
33	Bismarckia nobilis	Bismarckia palm	24	34	20	6	Moderate	Ν	Relocate

35	Hyophorbe lagenicaulis	Bottle palm	12	18	8	N/A	Moderate	Ν	Remove
36	Strelitzia nicolai	White bird of paradise	12	16	8	N/A	Moderate	Ν	Remove
37	Plumeria rubra	Frangipani	6	20	18	N/A	Moderate	Ν	Remove
38	Strelitzia nicolai	White bird of paradise	12	16	8	N/A	Moderate	Ν	Remove
39	Veitchia merrillii	Christmas palm	15	19	7	N/A	Good	Ν	Remove
42	Hyophorbe lagenicaulis	Bottle palm	12	8	6	N/A	Poor	Ν	Remove
43	Hyophorbe lagenicaulis	Bottle palm	13	8	6	N/A	Poor	Ν	Remove
44	Hyophorbe lagenicaulis	Bottle palm	13	8	6	N/A	Poor	Ν	Remove
45	Hyophorbe lagenicaulis	Bottle palm	13	8	6	N/A	Poor	Ν	Remove
46	Hyophorbe lagenicaulis	Bottle palm	12	8	6	N/A	Poor	Ν	Remove
47	Hyophorbe lagenicaulis	Bottle palm	12	7	5	N/A	Poor	Ν	Remove
48	Hyophorbe lagenicaulis	Bottle palm	12	6	0	N/A	Poor	Ν	Remove
49	Phoenix canariensis	Date palm	22	30	20	6	Moderate	Ν	Relocate
50	Cocos nucifera 'Maypan'	Coconut palm	14	27	20	5	Good	Ν	Relocate
52	Coccoloba uvifera	Sea grape	10	12	20	N/A	Moderate	Y	Remove
55	Cocos nucifera 'Maypan'	Coconut palm	14	30	20	6	Good	Ν	Relocate
56	Ptychosperma elegans	Solitaire palm	4	15	8	N/A	Moderate	Ν	Remove
60	Washingtonia robusta	Washington palm	12	8	10	N/A	Moderate	Ν	Remove
61	Cocos nucifera 'Maypan'	Coconut palm	12	25	20	5	Good	Ν	Relocate
62	Plumeria rubra	Frangipani	8	19	18	N/A	Poor	Ν	Remove
63	Strelitzia nicolai	White bird of paradise	12	12	8	N/A	Moderate	Ν	Remove
64	Strelitzia nicolai	White bird of paradise	12	12	8	N/A	Moderate	Ν	Remove
67	Washingtonia robusta	Washington palm	12	37	15	N/A	Moderate	Ν	Remove
68	Livistonia chinensis	Chinese fan palm	10	17	18	N/A	Good	Ν	Remove
69	Persea americana	Avocado	7	20	10	N/A	Poor	Ν	Remove
70	Washingtonia robusta	Washington palm	12	37	15	N/A	Moderate	Ν	Remove
72	Mangifera indica	Mango	12	27	28	N/A	Moderate	Ν	Remove



Picture 1 Taken from the Southwest. All Christmas palms are in good condition.



Picture Taken from the Northwest showing Christmas palm in good condition behind Pygmy date in moderate condition.



Picture Taken from the Northeast, showing Tropical almond, Frangipani and a bit of Norfolk pine to the right. Tree #7 is competing for ligh.



Picture Taken from the East, showing Tropical almond, Frangipani and Norfolk pine. Trees #7 and #8 are in Moderate condition. Tree #9 is in Good condition.



Picture Taken from the South, showing Christmas palm in good condition. Coconut is in Moderate condition due to the lack of K.



Picture Taken from the West, showing Christmas palms in Good condition.



Picture 7 Taken from the North, showing Bottle palm in Moderate condition.



Picture Taken fro the South Frangipani and Tropical almond in modrate condition. Christmas palm in the front is in property next door.



Picture Taken from the Northeast showing Coconut in Moderate condition (lack of K) and Norfolk pine in Good condition.



Picture 1 Taken from the South, showing Christmas palm and Coconut, both rated in Good condition.



Picture 11 Taken from the South, showing Solitaire palms rated in Good condition.



Picture 1 Taken from the Southwest, showing Christmas palms in Good condition and Calabash tree rated in Moderate condition.



Picture 1 Taken from the East, showing Frangipani (tree to remain) and Calabash tree.



Picture 1 Taken from the West, showing Frangipani in Good condition (to be relocated) and Bismarckia to be relocated) in Moderate condition. partially shown Washingtonia palm to the right.



Picture 1 Taken from the West, showing Bismarckia (to be relocated) and Washingtonias in Moderate condition



Picture 1 Taken from the East inside courtyard showing Bottle palm in Moderate condition. Song of India to the right.



Picture 17 Taken from the West, showing White birds of paradise in Moderate condition. Frangipani hiden behind is in Moderate condition.



Picture 1 Taken from the Southwest showing Multitrunked Christmas palm in Good condition.



Picture 1 taken from the South, showing fish tail palm (to remain) and Bottle palms in poor condition



Picture Taken from the North, showing Bottle palms in Poor condition. Partially seen Date palm (to be relocated)



Picture 1 Taken from the Northwest, showing Bottle palms in poor condition. Trees #49 in Moderate condition and #50 in Good condition (to be relocated)



Picture Taken from the North, showing Washingtonia palm (hidden due to deep shade) . Tree #61 Coconut (to be relocated) rated in Good condition



Picture 3 Taken from the North, showing Washingtonia palm rated in Moderate condition.



Picture 4 Taken from the West, showing Frngipani in Poor condition (hidden behind White bird of paradise. Both White birds of paradise rate in Moderate condition.



Picture 5 Taken from the East, showing another angle of White birds of paradise rated in Moderate condition.



Picture 6 Taken from the North, showing Washingtonia palms #67 and #70 in Moderate condition. Chinese palm #68 is in Moderate condition. Avocado tree #69 is rated in Poor condition.



Picture 7 Taken from the West showing Mango tree rated in moderate condition. Tropical almond, Frangipani, and other remaining vegetation are competing for light and space.