



Foliage Expressions LLC

Guillermo Salazar M.S.

Landscape Designer/Horticulturist/Arborist

ISA CERTIFIED ARBORIST # FL-6208A

LIAF Certified Landscape Inspector # 2008-0079

FNGLA Certified Horticulture Professional #H6106782

Arborist Report

325 NW 10th St & 324 NW 11St
Pompano Beach, FL 33060, USA



DRC

PZ23-12000051

12/20/2023

Arborist Report

10/17/23

On October 17 2023, I visited the two lots for properties located at 324 NW 11 St and 325 NW 10 St, Pompano Beach, FL 33060 at the request of owner.

I evaluated all the existing shade trees and palm trees on site in anticipation of future construction activities. For each tree, I confirmed species, location and size (Height, Spread, DBH); evaluated condition (Poor, Fair, Good); determined disposition (Remove, Retain, Relocate) assigned a number and provided pertaining comments about health of each individual tree and provided photographs for each individual species and location. All trees subject of this arborist report corresponds with provided site tree survey by Atlantic Coast Surveying Inc. Dated 10/12/23.

This arborist report also includes a Tree Appraisal for all specimen trees/palms (equal to or greater than 18" inch DBH) by an ISA Certified Arborist in accordance with Rule 14-40.030, Florida Administrative Code, as amended, and submitted as part of the application for a Tree Permit and provides a dollar value for each existing tree included on the tree survey within the scope of work.

Please feel free to contact me should you have any questions and thank you for the opportunity to assist with this project.

Sincerely,



Guillermo A. Salazar

Contact Information

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Tree # 1**Common Name**

Sabal Palm

Scientific NameSabal palmetto**DBH (in) – 12 "****Height (ft) – 20' OA****Canopy Spread (ft) 9'****Condition – Fair****Native? - Yes****Disposition – To be removed**

Tree #1 is a large size sable palm located north side of parcel #5 and it is in a fair condition its upper canopy shows interveinal chlorosis and extreme burning on lower of fronds. This palm has been severely neglected over the years due to lack of care, trimming, fertilization and watering. This palm is currently proposed to be removed as part of the upcoming new construction activities and will be mitigated on site.

Tree # 2**Common Name**

Sabal Palm

Scientific NameSabal palmetto**DBH (in) – 10 "****Height (ft) – 10' OA****Canopy Spread (ft) 9'****Condition – Fair****Native? - Yes****Disposition – To be removed**

Tree #2 is a young volunteer sable palm in a fair condition located inside parcel 4 east side of the lot. This palm upper canopy shows interveinal chlorosis and extreme burning on lower of fronds. This palm has been severely neglected over the years due to lack of care fertilization and watering. This palm is currently proposed to be removed as part of the upcoming new construction activities and will be mitigated on site.

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Tree # 3**Common Name**

Sabal Palm

Scientific NameSabal palmetto**DBH (in) – 14"****Height (ft) – 20' OA****Canopy Spread (ft) 9'****Condition – Poor****Native? - Yes****Disposition – To be removed**

Tree #3 is a large size sable palm located on parcel #5 in the middle of the lot. This palm is in a poor condition its upper canopy shows interveinal chlorosis and extreme burning on lower of fronds. In addition, this palm grew in a very tight space intertwined with adjacent tree Live oak tree #4. This palm has been severely neglected over the years due to lack of care fertilization and watering. This palm is currently proposed to be removed as part of the upcoming new construction activities and will be mitigated on site.

Tree #4**Common Name**

Live Oak

Scientific NameQuercus virginiana**DBH (in) – 32"****Height (ft) – 20'****Canopy Spread (ft) 18'****Condition – Fair****Native? - Yes****Disposition – To be removed**

Tree #4 is a multi-trunk native Live oak probably a seed spread Oak that grew in the middle of parcel #5. This Live Oak tree has an overall condition of 50% has several co-dominant leaders an multi trunk weakly attached and poor compartmentalization due to lack of maintenance and past hurricane storm events. This tree is currently in conflict with proposed new development and will be removed and mitigated on site.

Live Oak Tree 6" cal 20'-22' OA HT – Field Grown

- Becker's Tree farm \$1,350
- All Green Nursery \$800.00
- Marshall Tree Farm \$1,100

Average price: \$1,083 x 2.5 = \$2,708.33

\$2,708.33 / 6" (replacement tree) = \$451.38 per diameter inch

32" Live oak (casualty tree) x \$451.38 (replacement tree) = \$14,444.16

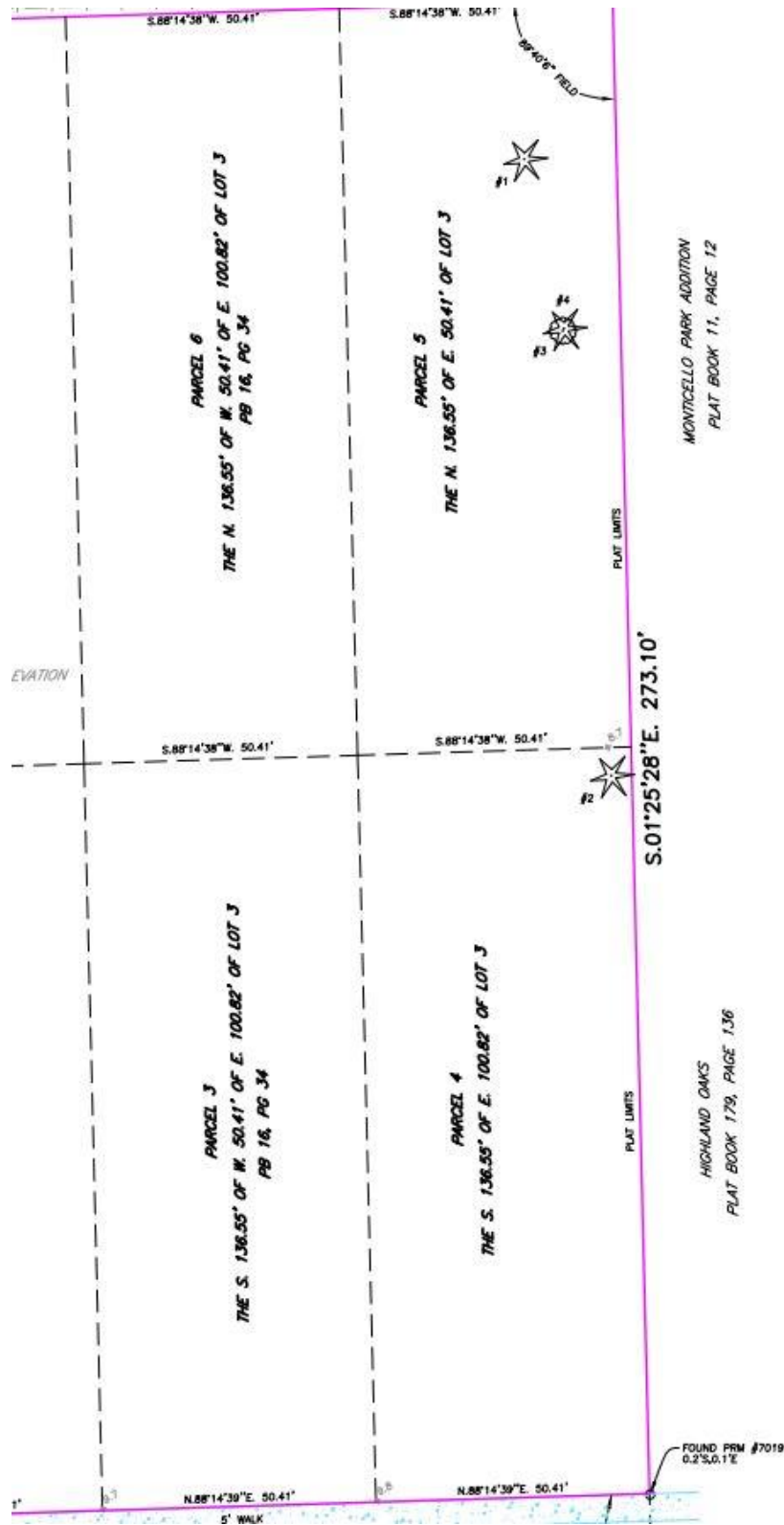
\$14,444.16 x diminution of 50% condition = \$7,222.08

Mitigation cost = \$7,222.08**DRC**

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Survey by
Atlantic Coast
Surveying Inc.
Dated 10/12/23



TREE TABLE

| NUMBER | TYPE | SIZE |
|--------|------------|---------|
| #1 | SABLE PALM | 12" |
| #2 | SABLE PALM | 11" |
| #3 | SABLE PALM | 11 |
| #4 | OAK | (5)X10" |

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General Notes – TPZ Calculations (When applicable)

Tree Protection Zone (TPZ) Calculations

- TPZ for small palms is 2.5 ft radius; TPZ for large palms is 5ft radius
- TPZ for all trees 10" DBH or less is 5 ft radius
- TPZ for all trees greater than 10" DBH is 8" of radius per inch of DBH

Tree and Palm Transplanting

1. Certified Arborist is to be hired to supervise and direct all phases of transplanting trees and palms.
2. Trees to be relocated shall be root pruned a minimum of eight weeks prior to transplanting. Landscape Contractor shall maintain transplanted materials during construction period by watering, moving, spraying, fertilizing, and pruning.
3. Landscape Contractor is responsible for verifying locations of all underground and overhead utilities and easements prior to commencing work. All utility companies and/or the General Contractor shall be notified to verify locations prior to digging. Utility trenching is to be coordinated with the Landscape Contractor prior to beginning of project. The Owner and Landscape Architect shall not be responsible for damage to utility or irrigation lines.
4. The Landscape Contractor shall comply with all local and state codes and shall be responsible for obtaining all applicable permits.
5. The Landscape Contractor shall regularly inspect the relocated materials to ensure compliance with standard horticultural practices.
6. The Landscape Contractor is responsible for guaranteeing the transplanted trees and palms for a period of one year. At the time of the final inspection all transplanted trees and palms that are not health growing condition shall be replaced by the Landscape Contractor.
7. Root Pruning and Transplanting Operations: The Landscape Contractor shall take all precautions to minimize shock of root pruning and transplanting in accordance with standard arboriculture procedures including:
 - A. The diameter of the root-pruning or transplanting circle shall be at a distance away from the trunk equal to 12 times each inch of trunk diameter at breast height.
 - B. All small roots shall be cleanly cut with a sharp spade, a clean saw or chainsaw depending on the size of the root.
 - C. Trees shall not be pruned at transplanting to compensate for root loss. Any pruning required shall be as per the ANSI A300 Standards.
 - D. For all palms except Sabal palmetto, the lower fronds shall be pruned leaving 9-11 fronds that can be tied without an extensive amount of weight that may damage the heart of the palm. The Sabal palmetto shall have all fronds cut without damaging the bud. Fronds shall be securely tied around the bud prior to relocation and shall remain securely tied around the bud during the entire relocation process and for a minimum of one week after relocation. The bud shall be protected from damage or injury during relocation.
 - E. After root pruning trees, backfill roots to original existing grade with existing soil free of any deleterious material to root growth.
 - F. Provide a minimum of 3" mulch over backfill area to prevent weed growth, conserve moisture and prevent evaporation. Keep mulch 6" away from the trunk.

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- G. Provide tree protection as per Landscape Architect's Tree Protection Detail to ensure that the tree or root system is not damaged during the root-pruning period.
- H. After root pruning, after root severing, and prior to relocation, tree(s) shall be watered a minimum of twice weekly.
- I. Immediately prior to transplanting tie the branches of the tree up to avoid damage.
- J. The root ball shall be wrapped with burlap to protect the soil around the roots and protect the roots from drying out at time of moving from the hole.
- K. Finish cutting of root ball for transplanting.
- L. Transplanting must occur within 24 hours after being dug for relocation. Trees/Palms should be kept in shade and the canopy kept moist.
- M. Digging and preparation of the new hole for the transplant shall be done prior to removing the tree from the existing location.
- N. The depth of the new hole shall be minimum equal to the depth of the root ball and the width shall be minimum equal to three times the width of the root ball. The Landscape Contractor is to verify that all new holes have appropriate percolation. Landscape Contractor is to report to the Landscape Architect if water percolation does not meet requirements for healthy plant growth.
- O. Trees and palms shall be lifted from the ground with heavy equipment designed specifically for tree relocation so that the trunk and crown is not impacted and damaged by the equipment.
- P. The slings used to lift the trees and heavy weight palms shall be non-binding nylon type slings that are wrapped under the root ball to support the weight of tree or heavy palm. Slings shall not be solely wrapped around the trunk of the tree that can cause damage, girdling and result in decline and death of the tree.
- Q. The slings used to lift the lighter weight palms shall be non-binding nylon type slings that are wrapped around the trunk to support the weight of the palm. Padding the sling may be necessary so that the trunk or "boots" are not damaged.
- R. Tree should be planted 2" max higher than their original planting level prior to relocation. Palms shall be planted at the same elevation prior to relocation. The tree and palm shall be centrally positioned in the planting hole and set straight, plumb or normal to the growth pattern prior to transplanting.
- S. The trees and palms shall be backfilled with existing soil free of deleterious material to plant growth.
- T. Trees and palms shall be deep root watered to eliminate air pockets in the backfill mix prior to mulching.
- U. A 6" saucer shall be created around the edge of the plant pit to help hold water, see planting detail for additional information.
- V. Provide a minimum of 3" layer of mulch over saucer and backfill area outside saucer to prevent the weed growth, conserve moisture, and prevent evaporation. Keep mulch 6" away from the trunk.
- W. Install tree and palm bracing as per attached details, to ensure stability of tree and palm during time period to and after transplanting, stake trees and palms after transplanting only is required to keep them stable.
- X. Over the guarantee period the Landscape Contractor is responsible for resetting any trees/palms that are not vertical when caused by winds less than 75 MPH.
- Y. After transplanting trees and palms, the Landscape Contractor shall be responsible for obtaining water and watering to maintain soil moisture during the guarantee period at a minimum of:
First month - Daily; Second month - 3 times per week; Third and Fourth month - 2 times per week; Last Eight months - 1 time per week. For trees over 4" in caliper at the time of planting, the schedule should be: First 6 weeks - Daily; from 1.5 months to 6 months - 3 times per week, last 6 months - 1 time per week.

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Notes - Tree and Palm Protection

1. Before beginning work, the Contractor is required to meet with the Landscape Architect at the site to review all work procedures, access routes, storage areas, and tree protection measures.
2. Fences shall be erected to protect trees to be preserved. Fences define a specific protection zone from each tree or group of trees. Fences are to remain until all site work has been completed. Fences may not be relocated or removed without the written permission of the Landscape Architect. Refer to Landscape Architect's Tree & Palms Protection Detail.
3. Construction trailers, traffic and storage areas must remain outside fenced areas at all times.
4. All underground utilities and drain or irrigation lines shall be routed outside the tree protection zone. If lines must traverse the protection area, they shall be funneled or bored under the tree line.
5. No materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone (fenced area).
6. Additional tree pruning required for clearance during construction must be performed by a qualified arborist and not by construction personnel.
7. Any herbicides placed under paving materials must be safe for use around trees and labeled for that use. Any pesticides used on site must be tree-safe and not easily transported by water.
8. If injury should occur to any tree during construction, it should be evaluated as soon as possible by the Landscape Contractor and the Landscape Architect should be notified immediately.
9. Any grading, construction, demolition, or other work that is expected to encounter tree roots must be monitored by the Landscape Contractor.
10. All trees shall be irrigated three times a week. Each irrigation procedure shall wet the soil within the tree protection zone to a depth of 30 inches.
11. Erosion control devices such as silt fencing, debris basins, and water diversion structures shall be installed to prevent site erosion and siltation situations and/or erosion within the tree protection zone.
12. Before grading, pad preparation, or excavation for foundations, footings, walls, or trenching near trees the trees shall be root pruned 12 inches outside the tree protection zone by cutting all roots cleanly to a depth of 36 inches. Roots shall be cut manually by digging a trench and cutting exposed roots with a saw, vibrating knife, rock saw, narrow trencher with sharp blades, or other approved root-pruning equipment.
13. Any roots damaged during grading or construction shall be exposed to sound tissue and cut cleanly with a saw.
14. If temporary haul or access roads must pass over the root area of trees to be retained, a road bed of 6 inches of mulch or gravel shall be created to protect the soil. The road bed material shall be replenished as necessary to maintain a 6 inch depth.
15. Spoil from trenches, basements, or other excavations shall not be placed within the tree protection zone, either temporary or permanently.
16. No burn piles or debris pits shall be placed within the tree protection zone. no ashes, debris, or garbage may be dumped or buried within the tree protection zone.
17. Maintain fire-safe areas around the fences. Also, no heat sources, flames, ignition sources, or smoking is allowed near mulch or trees.
18. Protective barriers shall be placed around each tree, cluster of trees, or the edge of the preservation area no less than six (6) feet (in radius) from the trunk of any protected tree, cluster of trees, or preservation area. Protective barriers shall be a minimum of four (4) feet above ground level and shall be constructed of wood,

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Notes - Tree and Palm Protection (Contd.)

plastic, or metal, and shall remain in place until development is completed and the Department has authorized their removal. Protective barriers shall be in place prior to the start of any construction.

19. Understory plants within protective barriers shall be protected.
20. No excess oil, fill, equipment, building materials or building debris shall be placed within the areas surrounded by protective barriers, nor shall there be disposal of any waste material such as paints, oils, solvents, asphalt, concrete, mortar or any other material harmful to trees or understory plants within the areas surrounded by protective barriers.
21. Trees shall not be braced in such a fashion as to scar, penetrate, perforate or otherwise inflict damage to the tree.
22. Natural grade shall be maintained within protective barriers. In the event that the natural grade of the site is changed as a result of site development such that the safety of the tree may be endangered, tree wells or retaining walls are required.
23. Underground utility lines shall be placed outside the areas surrounded by protective barriers. If said placement is not possible, disturbance shall be minimized by using techniques such as tunneling or overhead utility lines.
24. Fences and walls shall be constructed to avoid disturbance to any protected tree. Post holes and trenches located close to trees shall be dug by hand and adjusted as necessary, using techniques such as discontinuous footings, to avoid damage to major roots.

Appendix – A

Definitions:

All the trees and palms part of this report are true to scientific name, common name, height and DBH and this report has been created to help in the construction and design activities and to be used in the aid of other professional fields such, architecture, landscape architecture and surveying in prior to determine accurate location of trees and individual tree health, structural stability and potential for longevity at the site.

Appendix – B

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 of Foliage Expressions LLC 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.

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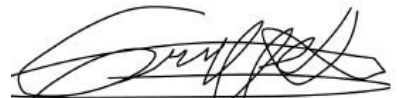
Appendix – C

Certificate of Performance

I, Guillermo Salazar, certify:

- That I have personally inspected the trees and/or the property referred to in this report, and have stated my findings accurately. The extend of the evaluation is states 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 boas 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 Guillermo Salazar an International Society of Arboriculture Certified Arborist FL-6208A, Certified Landscape Inspector LIAF and Certified Horticulture Professional by FNGLA. I hold a bachelor degree in Landscape Design and Management and a Master's degree in Horticulture and have been involved in the practice of arboriculture and the study of trees for over 25 years.



Guillermo A. Salazar M.S.

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