



ALVEY TREE CONSULTING LLC

ALEXIS ALVEY -

ISA BOARD CERTIFIED MASTER ARBORIST®

#NY-5539B

Arborist Report

Alliance Gateway Industrial, SW 27th Avenue
Pompano Beach

10/13/2022



AAC

PZ22-12000009

05/02/2023

Arborist Report

10/13/2022

On October 11th 2022, I visited SW 27th Avenue at the request of Dixie Landscape. I evaluated the trees on the site in anticipation of the construction of a new industrial warehouse. For each tree, I confirmed species, location, and size (Height, Spread, DBH); evaluated condition (Poor, Fair, Good); determined disposition (Remove, Remain, Relocate); provided relevant comments about health and disposition; and took photographs.

A Tree Appraisal has been conducted for each tree. The Cost Approach using the Reproduction Cost Method and the Direct Cost Technique has been utilized for all trees. This appraisal method is based upon the most recent edition of the Council of Tree and Landscape Appraisers' *Guide for Plant Appraisal, 10th Edition Second Printing* (2019). Assessment of tree condition is based upon my site evaluation, and follows Table 4.1 in the *Guide*, factoring in tree health, structure, and form. Additional costs, such as tree removal, new tree installation, and irrigation are not included, and may vary widely depending upon the individual landscape contractor.

This report shall in no shape or form be construed as a tree risk assessment which is beyond the scope of work written in the contractual agreement. Please feel free to contact me should any questions arise. Thank-you for the opportunity to assist in this manner.



Contact Information -

Alexis Alvey
ISA Board Certified Master Arborist® #NY-5539B

Alvey Tree Consulting LLC
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alveytree@gmail.com
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Property Location -

Alliance Gateway Industrial
SW 27th Avenue
Pompano Beach, FL 33069

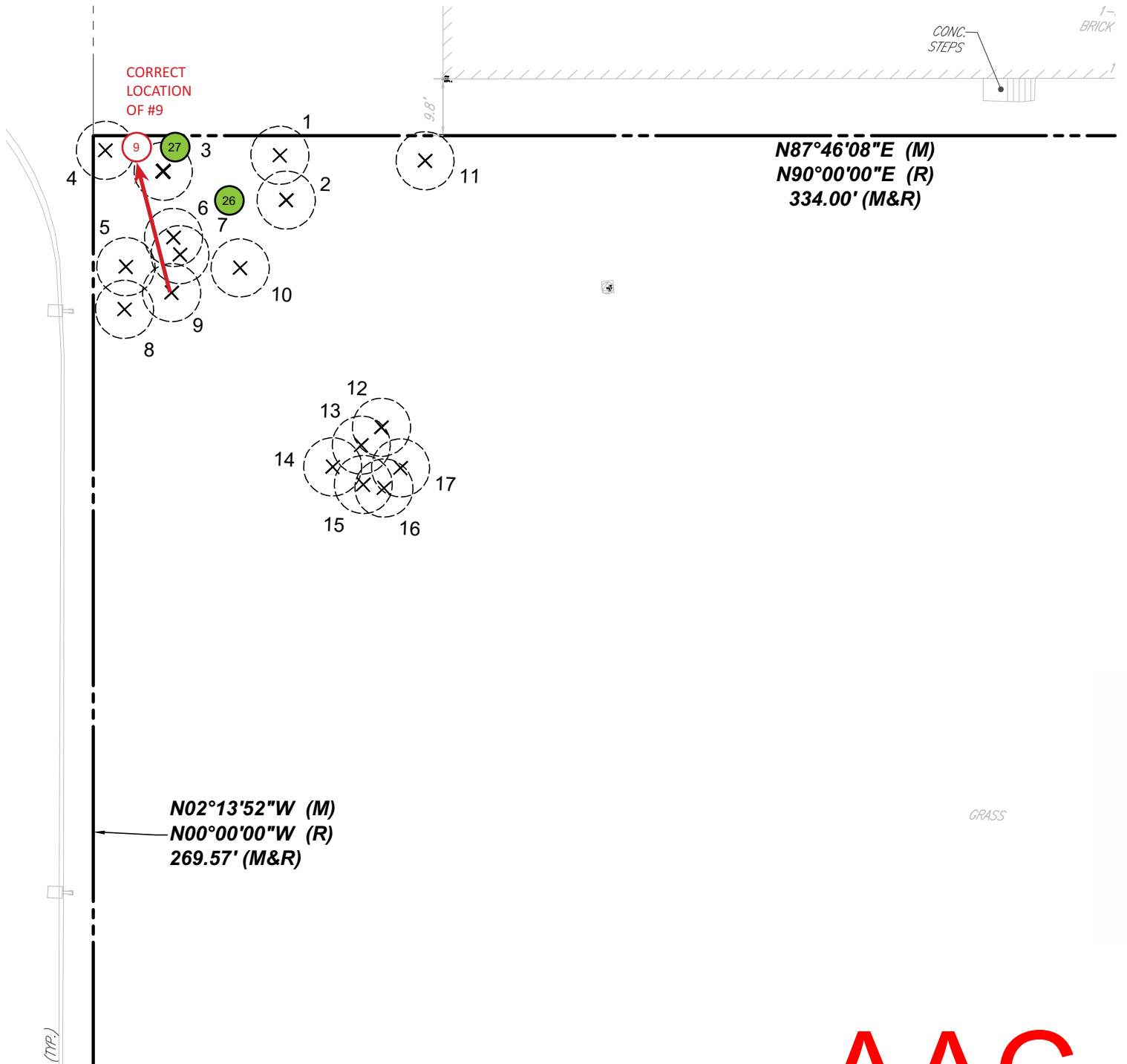
Client -

Max Ryan
Director of Development and Construction
Alliance Partners HSP
856 669-1105
mryan@alliancehsp.com

Tree Location Diagram

NOT TO SCALE

Approximate Location of Additional Site or Street Tree



Tree #1

Common Name -
Live Oak

DBH (in) - 6
Height (ft) - 23

Condition -
FAIR

Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 18

Disposition -
REMOVE

Value -
\$380.00



Tree #1 is a Live Oak located in the northwest corner of the property. It is in fair condition. The trunk divides into two with included bark. There is interior deadwood and galls are on the twigs. The canopy is thin and asymmetrical. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #2

Common Name -
Live Oak

DBH (in) - 4
Height (ft) - 18

Condition -
GOOD

Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 14

Disposition -
REMOVE

Value -
\$177.33



Tree #2 is a Live Oak located on the northwest corner of the property. It is in good condition. There is interior deadwood. The canopy is asymmetrical. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #3

Common Name -
Live Oak

DBH (in) - 17
Height (ft) - 24

Condition -
FAIR

Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 19

Disposition -
REMOVE

Value -
\$2,720.00



Tree #3 is a Live Oak located in the northwest corner of the property. It is in fair condition. The tree is double-trunked with included bark. There is interior deadwood. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #4

Common Name -
Earleaf Acacia

DBH (in) - 22
Height (ft) - 28

Condition -
FAIR

Native? -
INVASIVE

Scientific Name -
Acacia auriculiformis

Canopy Spread (ft) - 27

Disposition -
REMOVE

Value -
\$0.00



Tree #4 is an Earleaf Acacia located in the northwest corner of the property. It is double-trunked with a spreading canopy. There is a large branch stub present.

This species is highly invasive in South Florida and this tree will therefore need to be removed.

Tree #5

Common Name -
Sabal Palm

DBH (in) - 10
Height (ft) - 17

Condition -
GOOD

Native? -
YES

Scientific Name -
Sabal palmetto

Canopy Spread (ft) - 12

Disposition -
REMOVE

Value -
\$96.00



Tree #5 is a Sabal Palm located in the northwest corner of the property. It is in good condition. There are lower dead fronds. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #6

Common Name -
Sabal Palm

DBH (in) - 10
Height (ft) - 19

Condition -
FAIR

Native? -
YES

Scientific Name -
Sabal palmetto

Canopy Spread (ft) - 12

Disposition -
REMOVE

Value -
\$60.00



Tree #6 is a Sabal Palm located in the northwest corner of the property. It is in fair condition. The canopy is thin and there are lower dead fronds. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #7

Common Name -
Sabal Palm

DBH (in) - 10
Height (ft) - 20

Condition -
FAIR

Native? -
YES

Scientific Name -
Sabal palmetto

Canopy Spread (ft) - 12

Disposition -
REMOVE

Value -
\$70.00



Tree #7 is a Sabal Palm located in the northwest corner of the property. It is in fair condition. The canopy is thin and there are lower dead fronds. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #8

Common Name -
Live Oak

DBH (in) - 15
Height (ft) - 22

Condition -
GOOD

Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 20

Disposition -
REMOVE

Value -
\$2,400.00



Tree #8 is a Live Oak located on the northwest corner of the property. It is in good condition. Vines are growing into the canopy and there is included bark between the limbs.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #9

Common Name -
Sabal Palm

DBH (in) - 10
Height (ft) - 19

Condition -
FAIR

Native? -
YES

Scientific Name -
Sabal palmetto

Canopy Spread (ft) - 12

Disposition -
REMOVE

Value -
\$60.00



Tree #9 is a Sabal Palm located in the northwest corner of the property. It is in fair condition. The canopy is thin and there are lower dead fronds. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #10

Common Name -
Live Oak

DBH (in) - 10
Height (ft) - 25

Condition -
FAIR

Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 18

Disposition -
REMOVE

Value -
\$1,360.00



Tree #10 is a Live Oak located in the northwest corner of the property. It is in fair condition. The trunk divides into two with included bark. The canopy is asymmetrical and the tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #11

Common Name -
Live Oak

DBH (in) - 22
Height (ft) - 28

Condition -
GOOD

Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 34

Disposition -
REMOVE

Value -
\$6,666.67



Tree #11 is a Live Oak located in the northwest corner of the property. The tree is in good condition. It is multi-trunked with included bark. There is chainlink fencing embedded in the trunk. The canopy is dense and spreading.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #12

Common Name -
Sabal Palm

DBH (in) - 10
Height (ft) - 25

Condition -
FAIR

Native? -
YES

Scientific Name -
Sabal palmetto

Canopy Spread (ft) - 12

Disposition -
REMOVE

Value -
\$78.00



Tree #12 is a Sabal Palm located towards the northwest corner of the property. It is in fair condition. There are lower dead fronds. The tree is competing with the surrounding vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #13

Common Name -
Sabal Palm

DBH (in) - 10
Height (ft) - 19

Condition -
GOOD

Native? -
YES

Scientific Name -
Sabal palmetto

Canopy Spread (ft) - 10

Disposition -
REMOVE

Value -
\$105.00



Tree #13 is a Sabal Palm located towards the northwest corner of the property. It is in good condition with a dense canopy. There are some lower dead fronds.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #14

Common Name -
Live Oak

DBH (in) - 8
Height (ft) - 22

Condition -
FAIR

Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 18

Disposition -
REMOVE

Value -
\$1,152.00



Tree #14 is a Live Oak located towards the northwest corner of the property. It is in fair condition. There is included bark between the limbs. The canopy is asymmetrical and the tree is competing with the nearby vegetation. There is interior deadwood. There are pest issues affecting the leaves.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #15

Common Name -
Live Oak

DBH (in) - 6
Height (ft) - 23

Condition -
FAIR

Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 17

Disposition -
REMOVE

Value -
\$430.67



Tree #15 is a Live Oak located towards the northwest corner of the property. It is in fair condition. The tree is double trunked with crossing limbs. There is included bark between the limbs. The canopy is asymmetrical and the tree is competing with the nearby vegetation. There is interior deadwood. There are pest issues affecting the leaves.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #16

Common Name -
Live Oak

DBH (in) - 9
Height (ft) - 22

Condition -
FAIR

Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 18

Disposition -
REMOVE

Value -
\$1,392.00



Tree #16 is a Live Oak located towards the northwest corner of the property. It is in fair condition. There is included bark between the limbs. The canopy is asymmetrical and the tree is competing with the nearby vegetation. There is interior deadwood. There are pest issues affecting the leaves.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #17

Common Name -
Live Oak

DBH (in) - 8
Height (ft) - 24

Condition -
FAIR

Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 22

Disposition -
REMOVE

Value -
\$1,152.00



Tree #17 is a Live Oak located towards the northwest corner of the property. It is in fair condition. There is included bark between the limbs. The canopy is asymmetrical and the tree is competing with the nearby vegetation. There is interior deadwood. There are pest issues affecting the leaves.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #18

Common Name -
Sabal Palm

DBH (in) - 10
Height (ft) - 17

Condition -
FAIR

Native? -
YES

Scientific Name -
Sabal palmetto

Canopy Spread (ft) - 12

Disposition -
REMOVE

Value -
\$60.00



Tree #18 is a Sabal Palm located on the south side of the property. It is in fair condition. It has a thin canopy and many lower dead fronds. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #19

Common Name -
Live Oak

DBH (in) - 6
Height (ft) - 21

Condition -
FAIR

Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 18

Disposition -
REMOVE

Value -
\$456.00



Tree #19 is a Live Oak located on the south side of the property. It is in fair condition. The trunk divides into two with included bark. The canopy is asymmetrical. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #20

Common Name -
Live Oak

DBH (in) - 3
Height (ft) - 16

Condition -
FAIR

Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 12

Disposition -
REMOVE

Value -
\$132.00



Tree #20 is a small Live Oak located on the south side of the property. It is in fair condition. The canopy is asymmetrical. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #21

Common Name -
Carrotwood

DBH (in) - 7
Height (ft) - 15

Condition -
FAIR

Native? -
INVASIVE

Scientific Name -
Cupaniopsis anacardioides

Canopy Spread (ft) - 15

Disposition -
REMOVE

Value -
\$0.00



Tree #21 is a Carrotwood located on the south side of the property. The tree is in fair condition with poor form. The trunk is growing at a sharp angle.

This species is highly invasive in South Florida and this tree will therefore need to be removed.

Tree #22

Common Name -
Carrotwood

DBH (in) - 8
Height (ft) - 15

Condition -
FAIR

Native? -
INVASIVE

Scientific Name -
Cupaniopsis anacardioides

Canopy Spread (ft) - 13

Disposition -
REMOVE

Value -
\$0.00



Tree #22 is a Carrotwood located on the south side of the property. The tree is in fair condition with poor form. The trunk is growing at a sharp angle.

This species is highly invasive in South Florida and this tree will therefore need to be removed.

Tree #23

Common Name -
Sabal Palm

DBH (in) - 10
Height (ft) - 18

Condition -
FAIR

Native? -
YES

Scientific Name -
Sabal palmetto

Canopy Spread (ft) - 10

Disposition -
REMOVE

Value -
\$60.00



Tree #23 is a Sabal Palm located on the south side of the property. It is in fair condition with a small canopy and lower dead fronds. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #24

Common Name -
Carrotwood

DBH (in) - 7
Height (ft) - 15

Condition -
GOOD

Native? -
INVASIVE

Scientific Name -
Cupaniopsis anacardioides

Canopy Spread (ft) - 15

Disposition -
REMOVE

Value -
\$0.00



Tree #24 is a Carrotwood located on the south side of the property. It is in good condition and is growing vigorously. It has a nice form and dense canopy.

This species is highly invasive in South Florida and this tree will therefore need to be removed.

Tree #25

Common Name -
Carrotwood

DBH (in) - 4
Height (ft) - 16

Condition -
FAIR

Native? -
INVASIVE

Scientific Name -
Cupaniopsis anacardioides

Canopy Spread (ft) - 9

Disposition -
REMOVE

Value -
\$0.00



Tree #25 is a Carrotwood located on the south side of the property. It is in fair condition and is competing with the nearby vegetation.

This species is highly invasive in South Florida and this tree will therefore need to be removed.

Tree #26

Common Name -
Live Oak

DBH (in) - 6
Height (ft) - 24

Condition -
GOOD

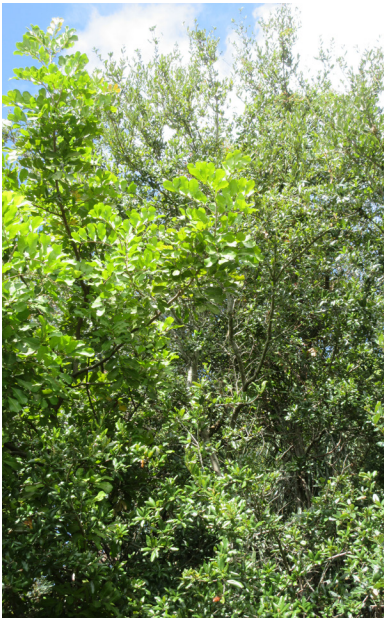
Native? -
YES

Scientific Name -
Quercus virginiana

Canopy Spread (ft) - 19

Disposition -
REMOVE

Value -
\$481.33



Tree #26 is a Live Oak located in the northwest corner of the property. It is in good condition. There is interior deadwood. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree #27

Common Name -
Sabal Palm

DBH (in) - 10
Height (ft) - 20

Condition -
POOR

Native? -
YES

Scientific Name -
Sabal palmetto

Canopy Spread (ft) - 12

Disposition -
REMOVE

Value -
\$60.67



Tree #27 is a Sabal Palm located in the northwest corner of the property. The tree is in poor condition. There are few live fronds and many dead fronds. The tree is competing with the nearby vegetation.

This tree has not been incorporated into the landscape plan and will therefore be removed.

Tree Appraisal

ALLIANCE GATEWAY - SW 27TH AVE, POMPANO BEACH
ALVEY TREE CONSULTING LLC 10/2022

* PLANTANT.COM ACCESSED 10/2022

												DEPRECIATED COST			FINAL VALUE	NOTES
NUMBER	SCIENTIFIC NAME	COMMON NAME	HEIGHT (FT)	SPREAD (FT)	DBH (IN)	CONDITION	DISPOSITION	BASIC COST*	HEALTH (%)	STRUCTURE (%)	FORM (%)	CONDITION (%)	FUNCTIONAL LIMITATIONS (%)	EXTERNAL LIMITATIONS (%)		
1	<i>Quercus virginiana</i>	Live Oak	23	18	6	FAIR	REMOVE	\$950.00	0.5	0.5	0.5	0.5	0.8	1	\$380.00	EXCESS PLANT DENSITY
2	<i>Quercus virginiana</i>	Live Oak	18	14	4	GOOD	REMOVE	\$350.00	0.7	0.7	0.5	0.63	0.8	1	\$177.33	EXCESS PLANT DENSITY
3	<i>Quercus virginiana</i>	Live Oak	24	19	17	FAIR	REMOVE	\$6,000.00	0.7	0.5	0.5	0.57	0.8	1	\$2,720.00	EXCESS PLANT DENSITY
4	<i>Acacia auriculiformis</i>	Earleaf Acacia	28	27	22	FAIR	REMOVE	-					0		\$0.00	INVASIVE SPECIES
5	<i>Sabal palmetto</i>	Sabal Palm	17	12	10	GOOD	REMOVE	\$150.00	0.8	0.8	0.8	0.8	0.8	1	\$96.00	EXCESS PLANT DENSITY
6	<i>Sabal palmetto</i>	Sabal Palm	19	12	10	FAIR	REMOVE	\$150.00	0.5	0.5	0.5	0.5	0.8	1	\$60.00	EXCESS PLANT DENSITY
7	<i>Sabal palmetto</i>	Sabal Palm	20	12	10	FAIR	REMOVE	\$175.00	0.5	0.5	0.5	0.5	0.8	1	\$70.00	EXCESS PLANT DENSITY
8	<i>Quercus virginiana</i>	Live Oak	22	20	15	GOOD	REMOVE	\$4,500.00	0.7	0.6	0.7	0.67	0.8	1	\$2,400.00	EXCESS PLANT DENSITY
9	<i>Sabal palmetto</i>	Sabal Palm	19	12	10	FAIR	REMOVE	\$150.00	0.5	0.5	0.5	0.5	0.8	1	\$60.00	EXCESS PLANT DENSITY
10	<i>Quercus virginiana</i>	Live Oak	25	18	10	FAIR	REMOVE	\$3,000.00	0.7	0.5	0.5	0.57	0.8	1	\$1,360.00	EXCESS PLANT DENSITY
11	<i>Quercus virginiana</i>	Live Oak	28	34	22	GOOD	REMOVE	\$10,000.00	0.7	0.5	0.8	0.67	1	1	\$6,666.67	
12	<i>Sabal palmetto</i>	Sabal Palm	25	12	10	FAIR	REMOVE	\$195.00	0.5	0.5	0.5	0.5	0.8	1	\$78.00	EXCESS PLANT DENSITY
13	<i>Sabal palmetto</i>	Sabal Palm	19	10	10	GOOD	REMOVE	\$150.00	0.7	0.7	0.7	0.7	1	1	\$105.00	
14	<i>Quercus virginiana</i>	Live Oak	22	18	8	FAIR	REMOVE	\$2,400.00	0.6	0.6	0.6	0.6	0.8	1	\$1,152.00	EXCESS PLANT DENSITY
15	<i>Quercus virginiana</i>	Live Oak	23	17	6	FAIR	REMOVE	\$950.00	0.6	0.5	0.6	0.57	0.8	1	\$430.67	EXCESS PLANT DENSITY
16	<i>Quercus virginiana</i>	Live Oak	22	18	9	FAIR	REMOVE	\$2,900.00	0.6	0.6	0.6	0.6	0.8	1	\$1,392.00	EXCESS PLANT DENSITY
17	<i>Quercus virginiana</i>	Live Oak	24	22	8	FAIR	REMOVE	\$2,400.00	0.6	0.6	0.6	0.6	0.8	1	\$1,152.00	EXCESS PLANT DENSITY
18	<i>Sabal palmetto</i>	Sabal Palm	17	12	10	FAIR	REMOVE	\$150.00	0.5	0.5	0.5	0.5	0.8	1	\$60.00	EXCESS PLANT DENSITY
19	<i>Quercus virginiana</i>	Live Oak	21	18	6	FAIR	REMOVE	\$950.00	0.6	0.6	0.6	0.6	0.8	1	\$456.00	EXCESS PLANT DENSITY
20	<i>Quercus virginiana</i>	Live Oak	16	12	3	FAIR	REMOVE	\$275.00	0.6	0.6	0.6	0.6	0.8	1	\$132.00	EXCESS PLANT DENSITY
21	<i>Cupaniopsis anacardioides</i>	Carrotwood	15	15	7	FAIR	REMOVE	-					0		\$0.00	INVASIVE SPECIES
22	<i>Cupaniopsis anacardioides</i>	Carrotwood	15	13	8	FAIR	REMOVE	-					0		\$0.00	INVASIVE SPECIES
23	<i>Sabal palmetto</i>	Sabal Palm	18	10	10	FAIR	REMOVE	\$150.00	0.5	0.5	0.5	0.5	0.8	1	\$60.00	EXCESS PLANT DENSITY
24	<i>Cupaniopsis anacardioides</i>	Carrotwood	15	15	7	GOOD	REMOVE	-					0		\$0.00	INVASIVE SPECIES
25	<i>Cupaniopsis anacardioides</i>	Carrotwood	16	9	4	FAIR	REMOVE	-					0		\$0.00	INVASIVE SPECIES
26	<i>Quercus virginiana</i>	Live Oak	24	19	6	GOOD	REMOVE	\$950.00	0.7	0.7	0.5	0.63	0.8	1	\$481.33	EXCESS PLANT DENSITY
27	<i>Sabal palmetto</i>	Sabal Palm	20	12	10	POOR	REMOVE	\$175.00	0.3	0.5	0.5	0.43	0.8	1	\$60.67	EXCESS PLANT DENSITY

Notes - Tree and Palm Relocation

Tree and Palm Relocation Notes -

1. All phases of transplanting trees and palms to be performed or supervised by Certified Arborist.
2. Trees to be relocated shall be root pruned six to eight weeks prior to transplanting. Landscape Contractor shall maintain transplanted material 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 Certified Arborist 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 material 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 in viable condition shall be replaced by the Landscape Contractor.
7. The Landscape Contractor shall take all precautions to minimize shock of root pruning and transplanting in accordance with standard arboriculture practices.
8. The diameter of the root ball to be transplanted shall follow the guidelines set forth in the latest edition of the Florida Grades and Standards for Nursery Plants.
9. Roots shall be cleanly cut with a sharp spade, hand saw, chainsaw, or other approved root-pruning equipment.
10. Trees shall not be pruned at transplanting to compensate for root loss. Any pruning required shall be as per the ANSI A300 Standards.
11. For all palms except Sabal palmetto, only dead fronds shall be removed. Sabal palmetto shall have all fronds cut without damaging the bud. Fronds shall be securely tied around the bud prior to relocation and shall be untied after placement in the new planting hole. The bud shall be protected from damage or injury during relocation.
12. After root pruning trees, backfill roots to original existing grade with existing soil free of any deleterious material to root growth.
13. Provide a layer of 3" mulch over backfill area to prevent weed growth, conserve moisture and prevent evaporation. Keep mulch 6" away from the trunk.
14. 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.
15. After root pruning and prior to relocation, tree(s) shall be watered a minimum of twice weekly.
16. Transplanting shall occur within 24 hours after being dug for relocation. The root ball shall be kept moist.
17. Digging and preparation of the new hole for the transplant shall be done prior to removing the tree from the existing location.
18. The depth of the new hole shall be equal to the depth of the root ball and the width shall be equal to two to three times the width of the root ball.
19. 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.
20. The slings used to lift the trees and large palms shall be non-binding nylon slings that are wrapped under the root ball to support the weight of tree or palm. Slings shall not be solely wrapped around the trunk of the tree. Padding the sling may be necessary so that the trunk is not damaged.

Notes - Tree and Palm Relocation (Contd.)

21. Trees and palms shall be planted so that the top of the rootball is flush with the existing grade. Ensure that deep planting does not occur. 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.

22. Transplanted trees and palms shall be backfilled with a uniform mix of 25% fully decomposed compost and 75% existing site soil cleaned free of weeds and rocks.

23. Trees and palms shall be watered to eliminate air pockets in the backfill mix prior to mulching.

24. A 4" soil berm shall be created around the edge of the planting hole to hold water, or as per the Landscape Architect's Planting Details.

25. Install tree and palm bracing as per the Landscape Architect's Planting Details, to ensure stability of trees and palms.

26. After transplanting trees and palms, the Landscape Contractor shall be responsible for watering to maintain soil moisture during the guarantee period. The following schedule is suggested: 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 suggested schedule is: First 6 weeks - Daily; from 1.5 months to 6 months - 3 times per week, last 6 months - 1 time per week.

Notes - Tree and Palm Protection

1. Fences shall be erected to protect trees and palms to be preserved. Fences define a specific protection zone for each tree or group of trees. Fences shall be installed prior to the beginning of construction and are to remain until all site work has been completed. Fences may not be relocated or removed without the written permission of the Arborist. Refer to the Landscape Architect's Tree Protection Detail.
2. Construction trailers, traffic, and storage areas must remain outside fenced areas at all times.
3. All underground utilities and drain or irrigation lines shall be routed outside the tree protection zone. If lines must traverse the protection area, disturbance shall be minimized by using techniques such as tunneling or boring.
4. No materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone.
5. Additional tree pruning required for clearance during construction must be approved by the Certified Arborist and shall be performed by trained arborists, not by construction personnel.
6. If injury should occur to any tree during construction, it should be evaluated as soon as possible by the Landscape Contractor and the Certified Arborist should be notified immediately.
7. Any grading, construction, demolition, or other work that is expected to encounter tree roots must be monitored by the Landscape Contractor.
8. All trees shall be irrigated at least two times a week. Each irrigation session shall wet the soil within the tree protection zone to a depth of 30 inches.
9. Before grading, pad preparation, or excavation for foundations, footings, walls, or trenching near trees the trees shall be root pruned at the edge of 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.
10. Any roots damaged during grading or construction shall be exposed to sound tissue and cut cleanly with a saw.
11. Spoil from trenches, basements, or other excavations shall not be placed within the tree protection zone, either temporarily or permanently.
12. 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.
13. Maintain fire-safe areas around the fences. Also, no heat sources, flames, ignition sources, or smoking is allowed near mulch or trees.
14. Protective barriers shall be placed around each tree, cluster of trees, or the edge of the preservation area at the specified distance. Protective barriers shall be a minimum of four feet above ground level and shall be constructed of wood, plastic, or metal, and shall remain in place until development is completed. Protective barriers shall be in place prior to the start of any construction.
15. Understory plants within protective barriers shall be protected.
16. 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.
17. Trees shall not be braced in such a fashion as to scar, penetrate, perforate or otherwise inflict damage to the tree.
18. 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.
19. 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.

Note: Trees inherently pose a certain degree of hazard and risk from breakage, failure or other causes and conditions. Recommendations that are made are intended to minimize or reduce such hazardous conditions. However, there can be no guarantee or warranty that efforts to discover or correct unsafe conditions will prevent future breakage or failure, nor can there be any guarantee that all hazardous conditions have been detected. The client should not infer that a tree is safe either because services have been recommended or done to reduce risk, or because no services have been recommended. The client assumes any and all risks associated with pursuing consultant's advice and fully understands that he or she is engaged in a high-risk activity. The client acknowledges that the consultant is not a professional engineer or architect and that the consultant is not providing professional engineering or architectural services.