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PZ22-12000039
03/01/2023



200 N. Federal Hwy., Pompano Beach, FL 33062

TREAGE LLC

Tree and Garden Experts

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PZ22-12000039
03/01/2023

December 12, 2022

Dear George,

Enclosed please find the updated Certified Arborist Report/Tree Assessment for the property located at 200 N. Federal Hwy. in Pompano Beach, FL conducted on November 16, 2022.

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

Thank you,

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

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ARBORIST REPORT
200 N. Federal Hwy.
Pompano Beach, Fl 33062



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Report prepared by:
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Assignment/Overview

Treage LLC was contacted by George Akirtava of Elit Group to do a Certified Arborist Report/Tree Assessment at 200 N. Federal Hwy. in Pompano Beach, FL.

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The site consists of two 2-story buildings and 2 separate parking areas. There are 32 trees located onsite, as well as 3 other shrubs/plants that should not be subject to regulation, that are referenced below.

Site Visit

A site visit was conducted on November 16, 2022. A Level 2 visual inspection of all trees was conducted and documented with photographs. Measurements of DBH, height, and canopy were taken and recorded, and the condition and location 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; and overall condition was done by visual inspection.

Appraisal Methods

Appraised value for all specimen trees was calculated using the replacement cost method per the CTLA Guide for Plant Appraisal, 10th Edition.

Condition and Location ratings were based on a Level 2 inspection conducted during the site visit on November 16, 2022.

Species classification was based on the ISA 'Tree Species Ratings for Florida' document.

Replacement Plant Cost was calculated using the PlantAnt online application, as well as wholesale price lists from local nurseries. An average cost of the largest available size was used wherever possible/applicable.

Installation and Removal/Cleanup costs were based on average industry costs obtained from websites and verbal communications with industry professionals.

See Appendix at end of report for worksheets.

Disposition Table

See Disposition Table on following page.

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200 N. Federal Hwy, Pompano									
	BOTANICAL NAME	COMMON NAME	DBH (inch)	HEIGHT (ft) (oa)	SPREAD (ft)	Condition	Disposition	Appraised Value (\$ (Replacement cost method)	Notes
1	<i>Roystonea regia</i>	Royal Palm	14.8	35	15	Fair	Remove		
2	<i>Sabal palmetto</i>	Sabal Palm	13	30	12	Moderate	Remove		
3	<i>Sabal palmetto</i>	Sabal Palm	19*	30	10	Poor	Remove		*with boots
4	<i>Sabal palmetto</i>	Sabal Palm	17.8	20	12	Fair	Remove		
5	<i>Sabal palmetto</i>	Sabal Palm	17.5*	25	12	Fair	Remove		*with boots
6	<i>Wodyetia bifurcata</i>	Foxtail Palm	9.5	20	10	Fair	Remove		
7	<i>Wodyetia bifurcata</i>	Foxtail Palm	8.3	20	12	Moderate	Remove		
8	<i>Phoenix roebellini</i>	Pygmy Date Palm	no ct*	4	6	Fair	Remove		*at 4.5'
9	<i>Phoenix roebellini</i>	Pygmy Date Palm	no ct*	4.5	6	Fair	Remove		*at 4.5'
10	<i>Phoenix roebellini</i>	Pygmy Date Palm	no ct*	3.5	4	Moderate	Remove		*at 4.5'
11	<i>Roystonea regia</i>	Royal Palm	19.5	60	18	Good	Remove	2710	
12	<i>Roystonea regia</i>	Royal Palm	16.2	55	16	Good	Remove		
13	<i>Roystonea regia</i>	Royal Palm	19.3	55	18	Good	Remove	2620	
14	<i>Roystonea regia</i>	Royal Palm	18.6	50	18	Good	Remove	2350	
15	<i>Roystonea regia</i>	Royal Palm	16.8	60	16	Good	Remove		
16	<i>Roystonea regia</i>	Royal Palm	17.6	55	16	Good	Remove		
17	<i>Roystonea regia</i>	Royal Palm	19	55	18	Good	Remove	2620	
18	<i>Adonidia merrillii</i>	Christmas Palm	6+6+6	25	15 oa	Good	Remove		
19	<i>Ficus aurea</i>	Strangler Fig	~24	28	25	Fair	Remove	3410	
20	<i>Roystonea regia</i>	Royal Palm	~16	60	18	Fair	Remove		
21	<i>Sabal palmetto</i>	Sabal Palm	~12	28	12	Fair	Remove		
22	<i>Ficus aurea</i>	Strangler Fig	~15	35	25	Fair	Remove		
23	<i>Sabal palmetto</i>	Sabal Palm	~16	25	15	Fair	Remove		
24	<i>Roystonea regia</i>	Royal Palm	13.5	55	16	Good	Remove		
25	<i>Ficus aurea</i>	Strangler Fig	23+25	30	30	Poor/Hazard	Remove	NA	Severe decay
26	<i>Sabal palmetto</i>	Sabal Palm	13.8	30	12	Good	Remove		
27	<i>Bursera simarouba</i>	Gumbo Limbo	4.8	20	12	Fair	Remove		
28	<i>Ficus aurea</i>	Strangler Fig	3.6	12	8	Poor	Remove		
29	<i>Bursera simarouba</i>	Gumbo Limbo	10	20	10	Poor	Remove		Likely volunteer
30	<i>Sabal palmetto</i>	Sabal Palm	~16	20	15	Fair	Remove		
31	<i>Ficus aurea</i>	Strangler Fig	~2+2+2	18	16	Poor	Remove		Volunteer
32	<i>Bursera simarouba</i>	Gumbo Limbo	4+2	20	12	Fair	Remove		Likely volunteer

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Tree #1 – *Roystonea regia*, Royal Palm – this tree is located in the northwest corner of the property adjacent to the parking lot and next to the ROW. It is crowded with minor chlorosis and a slightly undersized canopy. Overall, it is in fair condition and is proposed for removal.

Tree #2 – *Sabal palmetto*, Sabal Palm – this tree is located directly east of Tree #1. It is very crowded with a pronounced curve in the upper trunk due to the crowded conditions. It is in fair condition and is proposed for removal.

Tree #3 – *Sabal palmetto*, Sabal Palm – this tree is located directly east of Tree #2 on the northeast side of the property. It is very crowded and has live fronds only on one side of the trunk due to severe crowding. It is in poor condition and is proposed for removal.

Tree #4 – *Sabal palmetto*, Sabal Palm – this tree is located directly east of Tree #3. It is very crowded and overgrown but otherwise is in fair condition. This tree is proposed for removal.

Tree #5 – *Sabal palmetto*, Sabal Palm – this tree is located directly east of Tree #4. It is very crowded and overgrown but otherwise is in fair condition. It is proposed for removal.

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Tree #6 – *Wodyetia bifurcata*, Foxtail Palm – this tree is located in a small planting island on the north side of a covered valet area. It has minor chlorosis and is slightly crowded but otherwise is in fair condition with no significant defects. It is proposed for removal.

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Tree #7 – *Wodyetia bifurcata*, Foxtail Palm – this tree is located near the east end of the planting island. It has moderate to severe chlorosis and is in overall moderate condition. This palm is proposed for removal.

Trees #8-10 – *Phoenix roebellini*, Pygmy Date Palm – this refers to 3 Pygmy Date palms located in the planting island with Trees #6-7. They are all under regulation size, so they should not require a permit or mitigation for their removal.



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Tree #11 – *Roystonea regia*, Royal Palm – this tree is located next to the ROW in the southwest corner of the property. It is in good condition with no significant defects. It is proposed for removal.

Tree #12 – *Roystonea regia*, Royal Palm – this tree is located near the ROW on the southwest side of the property slightly east of Tree #11. It has a slightly undersized canopy, possibly due to minor nutrient deficiency, but otherwise is in good condition with no significant defects. It is proposed for removal.

Tree #13 – *Roystonea regia*, Royal Palm – this tree is located on the south side of the property east of Tree #12. It is in good condition with no significant defects. It is proposed for removal.

See photos on following page.

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Tree #14 – *Roystonea regia*, Royal Palm – this tree is located on the south side of the property east of Trees #11-13 and just west of the concrete walkway to the covered porch area. It shows signs of minor chlorosis/nutrient deficiency, but otherwise is in good condition with no significant defects. It is proposed for removal.

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Tree #15 – *Roystonea regia*, Royal Palm – this tree is located on the south side of the property east of the covered walkway to the covered porch area. It shows signs of very minor nutrient deficiency, but otherwise is in good condition with no significant defects. It is proposed for removal.



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Tree #16 – *Roystonea regia*, Royal Palm – this tree is located near the southeast corner of the property. It shows very minor signs of nutrient deficiency but otherwise is in good condition. It is proposed for removal.

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Tree #17 – *Roystonea regia*, Royal Palm – this tree is located on the south side of the property just east of the entrance to the asphalt parking lot. It is in good condition with no significant defects. It is proposed for removal.



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Tree #18 – *Adonidia merrillii*, Christmas Palm – this refers to a cluster of 3 palms located inside of a courtyard area on the east side of the existing back building. They are slightly crowded, but otherwise in fair to good condition. They are proposed for removal.

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NOTE: Tree #18 appears to be the same as Tree #11 on the survey; therefore, it has been assigned to this tree which was not included on the survey.



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Tree #19 – *Ficus aurea*, Strangler Fig – this tree is located on the northeast side of the existing building on the east side of the property. It is crowded, overgrown, and unmaintained with minor deadwood present, but overall it is in fair condition. This tree is proposed for removal.

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Tree #20 – *Roystonea regia*, Royal Palm – this tree is located in an overgrown cluster of vegetation on the east side of the property. It is very crowded and overgrown and could not be accessed due to its location within a fenced area. It shows signs of very minor nutrient deficiency. Overall it is in fair condition and is proposed for removal.

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Tree #21 – *Sabal palmetto*, Sabal Palm – this tree is located on the south side of the overgrown cluster of vegetation on the east side of the property. It is very crowded and overgrown, and was inaccessible, but otherwise it is in good condition. It is proposed for removal.

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Tree #22 – *Ficus aurea*, Strangler Fig – this tree is located on the east side of the building on the east side of the property. It is inaccessible due to its location inside a fenced area. It appears to be crowded, overgrown and unmaintained with areas of slightly sparse foliage. Overall, it is in fair condition and will be removed.

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Tree #23 – *Sabal palmetto*, Sabal Palm – this tree is located on the north side of the overgrown cluster of vegetation on the east side of the property. It is very crowded, and overgrown. Overall it is in fair condition and is proposed for removal.

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Tree #24 – *Roystonea regia*, Royal Palm – this tree is located on the west side of the back building that is on the east side of the property. It is growing within 5.5' of the existing building. It shows very minor signs of nutrient deficiency and is in overall good condition.

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Tree #25 – *Ficus aurea*, Strangler Fig – this tree is located on the north side of the main parking lot near the entrance to the small parking lot (Lot 17, Block 1). It has extensive internal decay at the base of the trunk and in all remaining scaffold limbs. There is decayed wood, apparent termite damage, and fruiting fungal bodies present. Based on a Level 2 inspection and using the ISA Risk Rating matrix, this tree constitutes a high risk and there are no mitigation options that can reduce its risk to moderate or less; therefore, it is recommended for consideration for removal without a permit or mitigation per FS 163.045.

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See additional photos on following page.

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Additional Trees Not on Survey

Tree #26 – *Sabal palmetto*, Sabal Palm – this tree is located just east of Trees #1-5 on the northeast side of the property/parking lot. It is somewhat crowded but otherwise is in good condition. It is proposed for removal.



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Tree #27 – *Bursera simarouba*, Gumbo Limbo – this tree is located east of Tree #6 in the planting island on the north side of the covered valet drop off area. It is a relatively young tree in fair condition with a slightly weak growth habit but no other significant defects. It is proposed for removal.

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Tree #28 – *Ficus aurea*, Strangler Fig – this is a small volunteer that is growing in an overgrown cluster of Sea Hibiscus on the east side of the existing back building. It is crowded and leaning and has a weak growth habit/structure as a result. It is in poor condition and will be removed.

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Tree #29 – *Bursera simarouba*, Gumbo Limbo – this tree is growing on the southwest corner of the cluster of overgrown vegetation on the east side of the existing back building; it is likely a volunteer. It is growing against a wooden fence and appears to have been trimmed multiple times near ground level so that it consists of multiple sprouts. There is a decay cavity near the base of the trunk. The canopy is small and sparse. Overall, this tree is in poor condition. It is proposed for removal.

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Tree #30 – *Sabal palmetto*, Sabal Palm – this tree is located directly in front of Tree #21 on the east side of the property. It is very crowded, overgrown with vines, and unmaintained. Overall, it is in fair condition and is proposed for removal.

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Tree #31 – *Ficus aurea*, Strangler Fig – there is at least one Strangler Fig growing in the middle of the overgrown cluster of vegetation containing Trees #20-21. It is very crowded, overgrown, inaccessible and difficult to see, but at least 3 individual trunks, each 2-3" DBH, were observed with minimal amounts of foliage visible as well. For the sake of this assessment, it is assumed that this is one tree. It is in poor condition and will be removed.

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Tree #32 – *Bursera simarouba*, Gumbo Limbo – this tree is located on the north side of the cluster of overgrown vegetation on the east side of the property (north of Trees #20 and 23). It is crowded and overgrown with a slightly weak structure, and it is growing among utility wires. Overall, it is in fair condition and is proposed for removal.

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Additional Plants Located Onsite

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***Hibiscus tiliaceus*, Sea Hibiscus** – this refers to a large overgrown cluster of Sea Hibiscus located on the east side of the property against the southeast side of the back building. There appear to be 2 distinct individual clusters present. They are crowded, overgrown and unmaintained, and in overall moderate condition. This is more of an overgrown shrub than a tree, so it is recommended for removal without mitigation to be confirmed by the City.



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***Dracaena reflexa*, Dracaena** – there is a small cluster of Dracaena located on the southwest side of the cluster of vegetation on the east side of the property (adjacent to Tree #21). It is crowded and overgrown. It is more of an overgrown shrub than a tree, so it is recommended for removal without a permit or mitigation, to be confirmed by the City.

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***Schefflera actinophylla*, Umbrella tree** – there are 2 clusters of Umbrella tree located on the northwest side of the overgrown cluster of vegetation on the east side of the property (adjacent to Tree #20). This is considered a nuisance species that should not require a permit or mitigation for removal, to be confirmed by the City.

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Summary

There are 32 trees located onsite, all of which are proposed for removal with mitigation. See appraised values for all specimen trees in Disposition Table and Worksheets in Appendix below.

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No trees will remain and there are no trees located offsite within proximity that will be impacted by the proposed work.

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

Thank you,

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

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Functional Replacement Method

Trunk Formula Technique

Client name George Akirtava Date 11/22/22 Case #
Phone 305-351-2006 E-mail gakirtava@elitgroupco.com
Address 200 N Federal Hwy, Pompano Beach, FL

Subject tree

Species Roystonea regia, Royal Palm (Tree #11)

1. Trunk diameter* (D) 19.5" in. @ 4.5'

.85 %

2. Condition rating

Health minor chlorosis

Structure NSD

Form NSD

3. Functional limitations narrow planting area, sidewalk

.85 %

4. External limitations

100 %

Functional replacement tree

Utility or benefit to be replaced street tree, minimal shade but visual appeal

Replacement plan TBD

5. Trunk diameter* (D) _____ in. @ _____

6. Cross-sectional area (line 5)² × 0.7854 = _____

Replacement nursery tree

7. Trunk diameter* (D) 19.5" in. @ 4.5'

8. Cross-sectional area (line 7)² × 0.7854 = _____

9. Nursery tree cost Source: PlantAnt (50' per foot @ 50')

\$ 2500

Calculations

10. Unit nursery tree cost (line 9 ÷ line 8 or from RPAC)

\$ _____ /in²

11. Basic functional replacement cost (line 6 × line 10)

\$ _____

12. Depreciated basic cost* (line 11 × line 2 × line 3 × line 4)

\$ 1806.25

Additional costs

Cleanup \$ 200

Nursery tree installation \$ 500

Aftercare \$ 200

Hardscape \$ _____

Other \$ _____

13. Total additional costs* (sum additional costs)

\$ 900

Total functional replacement cost (line 11 or 12 + line 13)

\$ 2706.25

Rounded

\$ 2710

* Diameter and cross-sectional area may be replaced with plant area, volume, or height as appropriate.

* Apply depreciation and add additional costs if appropriate for the assignment.

Council of Tree & Landscape Appraisers (CTLA). 2019. *Guide for Plant Appraisal, 10th Edition*. International Society of Arboriculture, Atlanta, GA.

Revised and current as of October 2020.

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Functional Replacement Method

Trunk Formula Technique

Client name George Akirtava Date 11/22/22 Case #
 Phone 305-351-2006 E-mail gakirtava@elitgroupco.com
 Address 200 N Federal Hwy, Pompano Beach, FL

Subject tree

Species Roystonea regia, Royal Palm (Tree #13)

1. Trunk diameter* (D) 19.3" in. @ 4.5' .90 %
2. Condition rating NSD
- Health NSD
- Structure NSD
- Form NSD
3. Functional limitations narrow planting area, sidewalk .85 %
4. External limitations 100 %

Functional replacement tree

Utility or benefit to be replaced street tree, minimal shade but visual appealReplacement plan TBD

5. Trunk diameter* (D) in. @
6. Cross-sectional area (line 5)² × 0.7854 =

Replacement nursery tree

7. Trunk diameter* (D) 19.3" in. @ 4.5'
8. Cross-sectional area (line 7)² × 0.7854 =
9. Nursery tree cost Source: PlantAnt (50' per foot @45' CT) \$ 208

Calculations

10. Unit nursery tree cost (line 9 ÷ line 8 or from RPAC) \$ /in²
11. Basic functional replacement cost (line 6 × line 10) \$
12. Depreciated basic cost* (line 11 × line 2 × line 3 × line 4) \$ 1721.25

Additional costs

Cleanup	\$ 200
Nursery tree installation	\$ 500
Aftercare	\$ 200
Hardscape	\$
Other	\$

13. Total additional costs* (sum additional costs) \$ 900

Total functional replacement cost (line 11 or 12 + line 13)

\$ 2621.25

Rounded

\$ 2620

* Diameter and cross-sectional area may be replaced with plant area, volume, or height as appropriate.

* Apply depreciation and add additional costs if appropriate for the assignment.

Council of Tree & Landscape Appraisers (CTLA). 2019. *Guide for Plant Appraisal*, 10th Edition. International Society of Arboriculture, Atlanta, GA.

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03/01/2023

200 N. Federal Hwy., Pompano Beach, FL 33062

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Functional Replacement Method Trunk Formula Technique

Client name George Akirtava Date 11/22/22 Case # _____
Phone 305-351-2006 E-mail gakirtava@elitgroupco.com
Address 200 N Federal Hwy, Pompano Beach, FL

Subject tree

Species Roystonea regia, Royal Palm (Tree #14)

1. Trunk diameter* (D) 18.6 in. @ 4.5' .85 %
2. Condition rating minor chlorosis .85 %
Health NSD
Structure NSD
Form NSD
3. Functional limitations narrow planting area, sidewalk .85 %
4. External limitations 100 %

Functional replacement tree

Utility or benefit to be replaced street tree, minimal shade but visual appeal

Replacement plan TBD

5. Trunk diameter* (D) _____ in. @ _____
6. Cross-sectional area (line 5)² × 0.7854 = _____

Replacement nursery tree

7. Trunk diameter* (D) 18.6" in. @ 4.5'
8. Cross-sectional area (line 7)² × 0.7854 = _____
9. Nursery tree cost Source: PlantAnt (50' per foot @40' CT)

Calculations

10. Unit nursery tree cost (line 9 ÷ line 8 or from RPAC) \$ _____ /in²
11. Basic functional replacement cost (line 6 × line 10) \$ _____
12. Depreciated basic cost* (line 11 × line 2 × line 3 × line 4) \$ 1445

Additional costs

Cleanup _____ \$ 200

Nursery tree installation _____ \$ 500

Aftercare _____ \$ 200

Hardscape _____ \$ _____

Other _____ \$ _____

13. Total additional costs* (sum additional costs) \$ 900
- Total functional replacement cost (line 11 or 12 + line 13) \$ 2345
- Rounded \$ 2350

* Diameter and cross-sectional area may be replaced with plant area, volume, or height as appropriate.
* Apply depreciation and add additional costs if appropriate for the assignment.

Council of Tree & Landscape Appraisers (CTLA). 2019. *Guide for Plant Appraisal, 10th Edition*. International Society of Arboriculture, Atlanta, GA.

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Functional Replacement Method

Trunk Formula Technique

Client name George Akirtava Date 11/22/22 Case #
 Phone 305-351-2006 E-mail gakirtava@elitgroupco.com
 Address 200 N Federal Hwy, Pompano Beach, FL

Subject tree

Species Roystonea regia, Royal Palm (Tree #17)

- Trunk diameter* (D) 19 in. @ 4.5'
- Condition rating .9 %
 Health NSD
 Structure NSD
 Form NSD
- Functional limitations narrow planting area, sidewalk .85 %
- External limitations 100 %

Functional replacement tree

Utility or benefit to be replaced street tree, minimal shade but visual appeal
 Replacement plan TBD

- Trunk diameter* (D) in. @
- Cross-sectional area (line 5)² × 0.7854 =

Replacement nursery tree

- Trunk diameter* (D) 19" in. @ 4.5'
- Cross-sectional area (line 7)² × 0.7854 =
- Nursery tree cost Source: PlantAnt (50' per foot @45' CT) \$ 2280

Calculations

- Unit nursery tree cost (line 9 + line 8 or from RPAC) \$ /in²
- Basic functional replacement cost (line 6 × line 10) \$
- Depreciated basic cost* (line 11 × line 2 × line 3 × line 4) \$ 1721.25

Additional costs

Cleanup \$ 200
 Nursery tree installation \$ 500
 Aftercare \$ 200
 Hardscape \$
 Other \$

- Total additional costs* (sum additional costs) \$ 900

Total functional replacement cost (line 11 or 12 + line 13)

\$ 2621.25

Rounded

\$ 2620

* Diameter and cross-sectional area may be replaced with plant area, volume, or height as appropriate.
 * Apply depreciation and add additional costs if appropriate for the assignment.

Council of Tree & Landscape Appraisers (CTLA). 2019. *Guide for Plant Appraisal*, 10th Edition. International Society of Arboriculture, Atlanta, GA.

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Functional Replacement Method

Trunk Formula Technique

Client name George Akirtava Date 11/22/22 Case #
Phone 305-351-2006 E-mail gakirtava@elitgroupco.com
Address 200 N Federal Hwy, Pompano Beach, FL

Subject tree

Species Ficus aura, Strangler Fig (Tree #19)

1. Trunk diameter* (D) 24 (approx.) in. @ 4.5'

2. Condition rating .7 %

Health minor deadwood/decay (lim. vis)

Structure

Form

3. Functional limitations against fence/building .6 %

4. External limitations 100 %

Functional replacement tree

Utility or benefit to be replaced shade, habitat

Replacement plan TBD

5. Trunk diameter* (D) 24" in. @ 4.5'

6. Cross-sectional area (line 5)² × 0.7854 = 452.4 in²

Replacement nursery tree

7. Trunk diameter* (D) 12 in. @ 4.5'

8. Cross-sectional area (line 7)² × 0.7854 = 113.1

9. Nursery tree cost Source: PlantAnt \$ 1200

Calculations

10. Unit nursery tree cost (line 9 ÷ line 8 or from RPAC) \$ 10.6 /in²

11. Basic functional replacement cost (line 6 × line 10) \$ 4795.44

12. Depreciated basic cost* (line 11 × line 2 × line 3 × line 4) \$ 2014

Additional costs

Cleanup \$ 200

Nursery tree installation \$ 1000

Aftercare \$ 200

Hardscape \$

Other \$

13. Total additional costs* (sum additional costs) \$ 1400

Total functional replacement cost (line 11 or 12 + line 13)

\$ 3414.08

Rounded

\$ 3410

* Diameter and cross-sectional area may be replaced with plant area, volume, or height as appropriate.

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