



TREE MITIGATION

CITY OF JACKSONVILLE

TREE REMOVAL PERMIT INFORMATION



Click here to search detailed information on Site Cleaning and Tree Removal Permits in reviewing tree removal information on a specific permit, for "B" permits click on the Spec 2 tab, for "L" permits click on the Tree Mitigation tab

TREE FUND CITY PLANTING PROJECTS



Click here to search detailed information about City Tree Fund Planting Projects

AVAILABLE FOR APPROPRIATION



15F (Ordinance): \$8,357,991.82
 15N (Charter): \$7,638,355.51
 Better Jacksonville Plan - Tree Mitigation Project: \$1,717,826.00
Total: \$17,714,173.33

FILE AN ISSUE



Click here to report site clearing or tree removal without a permit, or to request tree maintenance on public property. In the CARE System, select "Tree Remove or Landscape Violation" from the dropdown

Disclaimer: The AVAILABLE FOR APPROPRIATION information shown on this page is updated nightly from the City's financial records, but does not include any pending appropriations, or other financial transactions of the funds which have not been completed



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City of Jacksonville
Tree Commission
Financials Combined
August 15, 2022

<u>Cash</u>	\$ 33,791,228.86
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<u>Accounts Payable</u>	\$ -
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<u>Fund Balance</u>	\$ (25,100,556.30)
YTD Gain\Loss	\$ (8,690,672.56)
Adjusted Fund Balance	<u>\$ (33,791,228.86)</u>

	<u>Actuals</u>		<u>Budget</u>
	<u>22-Aug</u>	<u>YTD</u>	<u>YTD</u>
<u>Revenues</u>	\$ 72,290.00	\$ 11,617,559.52	\$ 8,400,127.00
<u>Expenses</u>	\$ (15,770.75)	\$ 2,483,664.06	\$ 23,979,577.00
Better Jacksonville Project 1717826			\$ 1,717,826.00
Budgeted Reserve			\$ 3,701,030.00
<u>Net</u>	<u>\$ 88,060.75</u>	<u>\$ 9,133,895.46</u>	<u>\$ (15,579,450.00)</u>

Available Balance Total	<u>\$ 17,714,171.92</u>	Unappropriated Funds
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City of Jacksonville
Tree Commission
Ordinance - 15304 - Tree Protection & Related Expenditures
August 16, 2022

Equity in Pooled Cash \$ 26,107,275.78

Accounts Payable

Fund Balance \$ (18,126,381.08)
 YTD Gain\Loss \$ (7,980,894.70)
Adjusted Fund Balance \$ (26,107,275.78)

	Actuals		Budget
	22-Aug	YTD	YTD
<u>Revenues</u>	\$ 48,930.00	\$ 10,907,781.66	\$ 8,400,127.00

NOTE: Increase in YTD is related to Fund Balance transfer for BT ORD 22-415
 in the amount of \$6,000,000.00

<u>Expenses</u>	\$ (15,770.75)	\$ 2,483,664.06	\$ 23,933,978.23
Budget Reserve			\$ 3,701,030.00
<u>Net</u>	\$ 64,700.75	\$ 8,424,117.60	\$ (19,234,881.23)

<u>Available Balance Total</u>	\$ 8,357,991.61	Unappropriated 15304 Funds
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City of Jacksonville
Tree Commission
Charter - 15305- Tree Mitigation & Related Expenditures
August 16, 2022

Equity in Pooled Cash \$ 7,683,953.08

Accounts Payable

Fund Balance \$ (6,974,175.22)
 YTD Gain\Loss \$ (709,777.86)
Adjusted Fund Balance \$ (7,683,953.08)

	<u>Actuals</u>		<u>Budget</u>
	<u>22-Aug</u>	<u>YTD</u>	<u>YTD</u>
<u>Revenues</u>	\$ 23,360.00	\$ 709,777.86	
<u>Expenses</u>	\$ -		\$ 45,598.77
<u>Net</u>	<u>\$ 23,360.00</u>	<u>\$ 709,777.86</u>	<u>\$ (45,598.77)</u>

Available Balance Total \$ 7,638,354.31 Unappropriated 15305 Funds

4

Budget Balance of Appropriated Expenditures			FY22 Budget	FY 22 Expenditures	Open Purchase Orders	Remaining Balance
Center	Activity					
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000189-5Th & Cleveland Ash Site Tree Planting		6,593.80	-	6,593.80	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000275-Brown's Dump Ash Site Tree Planting		884.25	-	884.25	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000378-County-Wide Tree Prog-Right Of Way		2,192,787.27	981,372.88	773,072.49	438,342
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000429-Duval County School Board Property		92,243.50	-	-	92,244
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000541-Hammond Blvd Project		35,140.70	8,237.90	16,619.80	10,283
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000604-Intersec,Bridge,Misc 09-10 Landscaping		18,467.68	-	-	18,468
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000651-King St Planting College To Park		8,724.53	-	8,724.53	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000744-North Main Street Landscaping		9,155.68	-	-	9,156
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000982-Tree Protection & Related Expenses		1,436,949.08	-	-	1,436,949
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001035-Mandarin Road Tree Planting		74,601.00	-	-	74,601
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001036-Springfield Preservation Tree Planting		220,408.45	8,822.37	369.41	211,217
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001315-Level 2 Tree Planting Program		12,434,789.19	956,565.46	1,848,220.14	9,630,004
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001316-Montcrief Rd Beautification Project		180,705.21	13,455.11	27,011.48	140,239
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001345-District 8 Tree Planting		52,767.40	52,767.40	-	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001606-Sulzbacher Village Level 3 Tree Planting		20,752.30	2,594.90	7,769.90	10,388
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001607-Hugenot Park Level 3 Tree Planting		72,207.20	-	72,207.20	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001623-Level 3 Tree Planting Program		825,213.40	10,888.85	265,073.90	549,251
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	All Activity Values		17,682,390.64	2,034,704.87	3,026,546.90	12,621,138.87
151016-PWOD Forrest Street Ash Site Tree Planting - Conservation and Resource M	All Activity Values		5,994.50	-	5,994.50	-
151132-PWOD County-Wide Tree Prog-Active Parks - Conservation and Resource Manag	All Activity Values		532,545.04	-	-	532,545
151135-PWOD County-Wide Tree Prog-Preservation Parks - Conservation and Resource	All Activity Values		514,854.00	-	-	514,854
154006-PWML Tree Maintenance - Other Physical Environment	All Activity Values		373,253.63	120,037.94	244,035.89	9,380
154007-PWML 630-City Tree Planting Prog - Other Physical Environment	All Activity Values		1,517,703.84	224,898.36	734,740.04	558,065
154008-PWML Patton Rd And Beach Blvd Tree Planting - Conservation and Resource M	All Activity Values		9,428.34	9,428.34	-	-
154009-PWML Zoo Landscaping-Asian Exhibit - Conservation and Resource Management	All Activity Values		1,031,432.38	-	-	1,031,432
191015-JXSF Conservation and Resource Management	00000981-Tree Protection & Related Expenditures-Activity		2,266,375.86	-	-	2,266,376
All Center Values	All Activity Values		23,933,978.23	2,389,069.51	4,011,317.33	17,533,591.39
153104-PWCP Public Works Capital Projects - Road and Street Facilities	Better Jacksonville Plan Project 008449		1,717,826.00	-	-	1,717,826

CITY OF JACKSONVILLE LEVEL 2 TREE PLANTING PROJECTS

ATTACHMENT 8

Visit <https://pg-cloud.com/jacksonvilleFL/> for City of Jacksonville Tree Project Maps
Visit jartreemitigation.coj.net - Tree Fund City Projects for links to legislation and planting details

Requesting Entity	Project Scope	Year	Status	Appropriation Amount	Obligated	Contract/Warranty
1 Kensington Association HOA Director	54 trees requested within Kensington Lakes city right of ways along Kensington Gardens Blvd. and Kensington Lakes Dr to replace trees lost due to storm damage/disease; may include removals. Planting Plan pending.	2019	Maintenance/Warranty Complete	\$124,202.62	\$124,202.62	Davey -1/yr
2 Cathedral District Tree Planting	50+ trees requested as Cathedral District (CD7) tree planting, may include removal of damaged/diseased trees. City right of way tree plantings within general proximity but not limited to State St to Catherine St. to Main St. to Adams St.; site evaluation scheduled	2020	Maintenance/Warranty Complete	\$120,371.14	\$120,371.14	Liberty 2/yr
3 Executive Director, Tree Hill Nature Center	22 trees requested in Tree Hill amphitheater parking area; site plan complete; no removals required; ready for review pending cost estimate per new countywide tree planting contract.	2019	Maintenance/Warranty Complete	\$21,472.80	\$21,472.80	Liberty 3/mos
4 San Marco Preservation Society and Greenscape, San Marco Tree Planting	102 Trees requested in city right of ways within District 5, includes removal of damaged/diseased trees; site evaluation scheduled	2019	Maintenance/Warranty Complete	\$247,749.52	\$247,749.52	Davey -1/yr
5 Sheffield Elementary School PTA President	10 Trees requested to provide shade for existing play area/field at Sheffield Elementary School; site visit complete - pending design and review.	2019	Maintenance/Warranty Complete	\$20,414.48	\$20,414.48	Davey -1/yr
6 S-Line Biodiversity Corridor Tree Planting	Installation of 25 trees throughout the S-Line Trail Biodiversity Corridor. This will offer additional tree canopy and shade to the trail.	2019	Maintenance/Warranty Complete	\$30,949.40	\$30,949.40	Liberty 3/mos
7 Canopy Place Tree Planting/resident request	Installation of 40 trees in city right of ways and medians to provide additional tree canopy, sound buffer and screening.	2020	Maintenance/Warranty Complete	\$117,483.97	\$117,483.97	Davey -1/yr
8 Sunrise Ridge/resident request	Installation of 40 tree in city right of ways to increase tree canopy as well screening and buffer from adjacent highway.	2020	Maintenance/Warranty Complete	\$107,316.52	\$107,316.52	Davey -1/yr
9 Jacksonville Beach Golf Park/Jax Beach	Installation of 156 trees in city golf course park to increase tree canopy, create screening, and attract wildlife.	2020	Maintenance/Warranty Complete	\$147,562.80	\$147,562.80	Liberty 3/mos
10 Yates Building - Cultural Council of Greater Jacksonville	8 Trees to be installed around renovated fountain at building entrance	2020	Maintenance/Warranty Complete	\$38,312.00	\$38,312.00	Liberty 2/yr
11 City Cemetery - citizen request	18 Trees in right of ways on Ionla St. and Jessie St.	2020	Maintenance/Warranty Complete	\$41,350.50	\$41,350.50	Liberty 2/yr
12 Baymeadows East Association Tree Planting	119 Trees in right of ways and medians on Baymeadows East and Fort Family Regional Park	2020	Maintenance/Warranty Complete	\$284,900.07	\$284,900.07	Davey -1/yr

CITY OF JACKSONVILLE LEVEL 2 TREE PLANTING PROJECTS

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	Requesting Entity	Project Scope		Status	Appropriation Amount	Obligated	Contract/Warranty
13	Cobblestone Homeowners Association/residential requests/HOA	Installation of 105 trees in city right of ways and medians to provide additional tree canopy, sound buffer and screening.	2020	Installation Complete	\$191,322.00		Liberty 2/yr
14	Ed Austin Park Tree Planting/resident request	115 Trees in right of ways around and within Willowbranch Park	2020	Installation Complete	\$214,822.00		Liberty 2/yr
15	Neptune Beach/Residential requests - City of Neptune	Trees within residential Right of Ways - 47 trees	2020	Maintenance/Warranty Complete	\$55,490.00	\$55,490.00	Liberty 3/mos
16	Nathan Krestul Park - Friends of Krestul Park	Trees within Park - 34 trees	2020	Installation Complete	\$95,580.00		Liberty 2/yr
17	John Gorrie Dog Park/Friends of John Gorrie Dog Park	Trees along Park Right of Way - Buffer - 11 Trees	2021	Installation Complete	\$23,166.00		Liberty 2/yr
18	Alexandria Oaks Park/SMPS and Bolles School request	Trees within Park - 15 trees	2020	Installation Complete	\$28,593.00		Liberty 2/yr
19	Huntington Forest Park/resident request to CM	Trees along Park Right of Way - Buffer - 15 trees	2020	Installation Complete	\$28,026.00		Liberty 2/yr
20	Love Grove/Willowbranch	Trees in right of ways around and within Willowbranch Park - 51 Trees	2021	Phase 1 Complete	\$93,742.00		Liberty 2/yr
21	Greenland Park/residents adjacent to park	Trees within Park - 53 trees	2021	Installation Complete	\$95,580.00		Liberty 2/yr
22	Harlow Blvd./Resident request	Trees within median on Harlow Blvd. - 47 trees	2021	Installation Complete	\$102,804.00		Liberty 2/yr
23	Atlantic Beach/City of Atlantic Beach	Trees within Atlantic Beach residential Right of Ways and Parks - 96 trees	2021	Installation Complete	\$194,532.00		Liberty 2/yr
24	Lake Mandarin HOA Tree Planting/Resident request	Trees within 4 HOA's residential Right of Ways and Parks - 94 trees	2021	Installation Complete	\$190,168.00		Liberty 2/yr
25	Tom Marshall Park/Sports Association	Trees within ballpark and right of ways - 39 trees	2021	Installation Complete	\$69,336.00		Liberty 2/yr
26	Boat Ramps/Waterfront Management	Trees within 7 boat ramps and parks - 62 trees	2021	Installation Complete	\$111,132.00		Liberty 2/yr

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Requesting Entity	Project Scope	Status	Appropriation Amount	Obligated	Contract/Warranty
27 Freedom Park/CM & Parks	Trees within newly established park (Irrigated) - 38 trees	Maintenance/Warranty Complete	\$38,548.00	\$38,548.00	Liberty 3/mos
28 Blue Cypress Park Restoration/Parks	Trees within park - field restoration - 157 trees	Maintenance/Warranty Complete	\$187,154.40	\$187,154.40	Liberty 1/yr
30 Reddie Point Park/CM and Parks	Trees within park - field restoration - 27 trees	Installation Complete	\$53,055.00		Liberty 2/yr
31 Twin Lakes Academy ES/School	Trees within school grounds and ROW - 66 trees	Installation Complete	\$122,553.00		Liberty 2/yr
32 Atlantic Beach/City of Atlantic Beach Phase 2	Trees within Atlantic Beach residential Right of Ways and Parks - 133 trees	Maintenance/Warranty Complete	\$164,404.80	\$164,404.80	Liberty 3/mos
33 Kernan Blvd./CM	Trees within medians and Row of Kernan Blvd. - 132 trees	Installation Complete	\$276,722.50		Liberty 2/yr
34 Amelia View/residential	Trees within medians and ROW in Amelia View community - 73 trees	Installation Complete	\$145,395.00		Liberty 2/yr
35 Whitehouse Park/Parks and residential	Trees within play area and recreational fields. - 29 trees	Installation Complete	\$54,594.00		Liberty 2/yr
36 Baker Point Park/Parks and residential	Trees within park undergoing improvements - 8 trees	Installation Complete	\$17,091.00		Liberty 2/yr
38 Fort Caroline Rd. Tree Planting	Trees within right of way along Fort Caroline Rd. 66 trees	Installation Complete	\$165,793.50		Liberty 2/yr
39 Norfolk Soutel Tree Planting	Trees within medians and right of way along Norfolk Blvd. 36 trees	Installation Complete	\$85,000.00		Liberty 2/yr
40 Jax Beach Park and ROW	Trees within parks and right of way. 150 trees	Installation Complete	\$277,789.50		Liberty 2/yr
41 Gold Star Family Memorial Highway	Trees within retention pond and right of way. 200 trees	Installation Complete	\$466,296.00		Liberty 2/yr
42 Northbank Riverwalk	Trees along trail and riverside of Northbank Riverwalk/Geffen Park area. 68 trees	In Progress	\$138,801.00		Liberty 2/yr
43 Jarboe Park	Trees along play areas and trails of Jarboe Park. 76 trees	Installation Complete	\$145,918.00		Liberty 2/yr
44 Columbia Pkwy Retention Pond	Trees along play areas and trails of Jarboe Park. 29 trees	In progress	\$51,840.00		Liberty 2/yr
45 Fishweir Park	Trees along nature trail. 21 trees	on hold until Fall	\$40,014.00		Liberty 2/yr
46 District 7 Parks	55 trees.	Scheduling	\$106,000.00		
47 District 5 Parks	195 Trees	Scheduling	\$452,600.00		
48 Deerwood	Trees along median. 43 trees	Scheduling	\$86,319.00		Liberty 2/yr

Introduced by Council Member Salem:

Highlighted language is policy decision.

ORDINANCE 2022-

AN ORDINANCE AMENDING CHAPTER 656 (ZONING CODE, PART 12 (LANDSCAPE AND TREE PROTECTION REGULATIONS), SUBPART A (GENERAL PROVISIONS), SECTION 1203 (DEFINITIONS), *ORDINANCE CODE*, TO CLARIFY THE DEFINITION OF TREE TO INCLUDE PALM TREES

MEASUREMENT OF PALM TREES AND ...

; AMENDING CHAPTER 656 (ZONING CODE, PART 12 (LANDSCAPE AND TREE PROTECTION REGULATIONS), SUBPART B (TREE PROTECTION), SECTION 1206 (PERMIT PROCEDURE AND CRITERIA FOR TREE REMOVAL, RELOCATION AND REPLACEMENT OF PROTECTED TREES), *ORDINANCE CODE*, TO ...

;AMENDING CHAPTER 656 (ZONING CODE, PART 12 (LANDSCAPE AND TREE PROTECTION REGULATIONS), SUBPART C (LANDSCAPING REQUIREMENTS), ???????

PROVIDING AN EFFECTIVE DATE.

BE IT ORDAINED by the Council of the City of Jacksonville:

Section 1. Amending Section 656.1203 (Definitions), Subpart A (General Provisions), Part 12 (Landscape and Tree Protection Regulations), Chapter 656 (Zoning Code), Ordinance Code. Section 656.1203, *Ordinance Code*, is hereby amended to read as follows:

CHAPTER 656 - ZONING CODE

* * *

PART 12. - LANDSCAPE AND TREE PROTECTION REGULATIONS

* * *

SUBPART A. - GENERAL PROVISIONS

* * *

Sec. 656.1203. - Definitions.

For purposes of this Part, in addition to the following terms or words, the definitions provided for in Part 16 shall apply. If the definitions contained in this Section at any time conflict with the definitions contained in Part 16, the more restrictive definition(s) shall apply. As used in this Part:

~~(a)~~ *Annual consumptive use* means the yearly amount of water applied to the landscape.

~~(b)~~ *Automatic controller* means a mechanical or electronic timer, capable of operating valve stations to set the days and length of time of a water application.

~~(c)~~ *Bona-fide agricultural purposes* means the use of land for bona fide agricultural purposes as described in F.S. § 193.461, provided the land is classified for assessment purposes by the property appraiser as "agricultural", pursuant to F.S. Ch. 193.

~~(d)~~ *Buffer yard or strip* means a strip of land, identified on a site plan or by zoning ordinance requirement, established to protect one type of land use from another land use that may be incompatible. The area is landscaped, maintained and kept in open space.

~~(e)~~ *Caliper* means the trunk diameter of ~~planted~~ nursery stock trees. Caliper shall be measured six inches above the ground for trees up to and including four inches in caliper, and measured 12 inches above the ground for trees exceeding four

1 inches in caliper. ~~If the tree has a very enlarged irregular~~
 2 ~~base, then the caliper measurement shall be taken up where the~~
 3 ~~trunk has a more regular circumference, but in no case higher~~
 4 ~~than four and one-half feet above the ground.~~ If the tree forks
 5 between ground level and one foot above ground level, then the
 6 tree shall be considered a multi-trunked tree. Caliper for
 7 multi-trunked trees shall be determined by measuring each
 8 trunk immediately above the fork and adding the total caliper
 9 of the four largest trunks. (See also and compare definition
 10 of DBH ~~in subsection (nn) of this Section.~~)

11 Clear Trunk ("CT") means the height of a palm tree measured
 12 from the top of the root ball to a point where the lowest
 13 untrimmed leaf's petiole diverges from the trunk (typically
 14 this is the bottom of the first row of fronds).

15 ~~(f)~~ Cultivated landscape area means planted areas that are
 16 frequently maintained by mowing, irrigating, pruning,
 17 fertilizing, etc.

18 ~~(g)~~ Development means any proposed material change in the use or
 19 character of the land, including, but not limited to, land
 20 clearing associated with new construction, the placement of
 21 any structure or site improvement on the land, or expansion of
 22 existing buildings.

23 ~~(h)~~ Drip line means a vertical line extending from the outermost
 24 branches of a tree to the ground.

25 ~~(i)~~ Ecosystem means a characteristic assemblage of plant and
 26 animal life with a specific physical environment, and all
 27 interactions among species and between species and their
 28 environment.

29 ~~(j)~~ Emitter devices means devices which are used to control the
 30 applications of irrigation water. This term is primarily used
 31 to refer to the low flow rate devices used in microirrigation

1 systems.

2 ~~(k)~~ Ground cover means a low-growing herbaceous or woody plant
3 other than turf, not over two feet high, used to cover the
4 ground.

5 ~~(l)~~ Hedge means a landscape barrier consisting of a continuous,
6 dense planting of shrubs.

7 ~~(m)~~ Infiltration rate means the rate of water entry into the soil
8 expressed as a depth of water per unit of time (inches per
9 hour).

10 ~~(n)~~ Irrigation system means a permanent, artificial watering
11 system designed to transport and distribute water to plants.

12 ~~(o)~~ Landscaped area means the entire parcel less the building
13 footprint, driveway, nonirrigated portions of parking lots,
14 hardscapes such as decks and patios, and other nonporous areas.
15 Water features are included in the calculation of the
16 landscaped area.

17 ~~(p)~~ Landscaping means any combination of living plants (such as
18 grass, groundcover, shrubs, vines, hedges, or trees) and
19 nonliving landscape material (such as rocks, pebbles, sand,
20 mulch, walls or fences).

21 ~~(q)~~ Microirrigation (low volume) means the frequent application of
22 small quantities of water directly on or below the soil
23 surface, usually as discrete drops, tiny streams, or miniature
24 sprays through emitters placed along the water delivery pipes
25 (laterals). Microirrigation encompasses a number of methods or
26 concepts including drip, subsurface bubbler, and spray
27 irrigation.

28 ~~(r)~~ Mulch means nonliving organic materials customarily used in
29 landscape design to retard erosion and retain moisture.

30 ~~(s)~~ Native vegetation. See Vegetation, native.

31 ~~(t)~~ Naturally occurring existing plant communities. See

Vegetation, native.

~~(u)~~ Open space means all areas of natural plant communities or areas replanted with vegetation after construction, such as revegetated natural areas; tree, shrub, hedge or ground cover planting areas; and lawns, and all other areas required to be provided as natural ground and landscaping pursuant to the Zoning Code.

~~(v)~~ Perimeter landscape means a continuous area of land which is required to be set aside along the perimeter of a lot in which landscaping is used to provide a transition between and to reduce the environmental, aesthetic and other impacts of one type of land use upon another.

~~(w)~~ Pervious paving materials means a porous asphaltic or concrete surface and a high-void aggregate base which allows for rapid infiltration and temporary storage of rain on, or runoff delivered to, paved surfaces.

~~(x)~~ Plant community means a natural association of plants that are dominated by one or more prominent species, or a characteristic physical attribute.

~~(y)~~ Preserve areas means vegetative areas required to be preserved under the jurisdiction of the Florida Department of Environmental Regulation, St. Johns River Water Management District and/or the United States Army Corps of Engineers or other regulatory agencies.

~~(z) Reserved.~~

~~(aa)~~ Runoff water means water from rainfall and irrigation systems which is not absorbed by the soil or landscape to which it is applied and flows from the area, often contaminated with pesticides, fertilizers, and other pollutants.

~~(bb)~~ Protected tree includes both woody species which are measured by DBH; and palm species which are measured by CT. .all of the following:

~~(1) Private protected tree means any tree with a DBH of six inches or more located on any lot within 20 feet of a street right-of-way (including an approved private street or other access easement) or a tree with a DBH of eight inches or more located within ten feet of any other property line, or a tree with a DBH of 11.5 inches or more located elsewhere on the lot.~~

(1) Protected trees on a lot. Within different areas of a lot, either publicly or privately owned, different sized trees are protected, as follows:

(i) Within 20 feet of a street right-of-way (including an approved private street or other access easement): a woody tree with a DBH of six (6) inches or more; or any palm with a CT of 8 feet or more;

(ii) Within ten (10) feet of any other property line: a woody tree with a DBH of eight (8) inches or more; or any palm with a CT of 8 feet or more; and

(iii) Elsewhere on the lot (the interior): a woody tree with a DBH of 11.5 inches or more, or Sabal palms with a CT of 8 feet or more.

~~(2) Public protected tree means any tree located on lands owned by the City, or other governmental agencies or authorities, or any land upon which easements are imposed for the benefit of the City, or other governmental agencies or authorities, or upon which other ownership control may be exerted by the City, or other governmental agencies or authorities, including rights of way, parks, public areas and easements for drainage, sewer, water and other public~~

1 ~~utilities, with:~~

2 ~~(i) A DBH of six inches or more located within a City or~~
3 ~~other governmental right-of-way, or~~

4 ~~(ii) A DBH of six inches or more and located on any lot~~
5 ~~within 20 feet of a street right-of-way, or~~

6 ~~(iii) A DBH of eight inches or more located on any lot~~
7 ~~within ten feet of any other property line, or~~

8 ~~(iv) A DBH of 11.5 inches or more located elsewhere on the~~
9 ~~lot.~~

10 (2) Protected trees within rights-of-way and easements. Trees
11 located on lands owned by the City, or other governmental
12 agencies or authorities, or any land upon which easements
13 are imposed for the benefit of the City, or other
14 governmental agencies or authorities, or upon which other
15 ownership control may be exerted by the City, or other
16 governmental agencies or authorities, including rights-of-
17 way and easements for sewer, water and other public
18 utilities, are protected if they are the following size:

19 (i) Woody trees with a DBH of 6 inches or more; and

20 (ii) Palm trees with a CT of 8 feet or more.

21 (3) Exceptional specimen tree means any hardwood tree with a
22 DBH of 24 inches or greater; or any palm with a CT of
23 greater than 24 feet.

24 ~~(ee)~~ Scenic and historic corridors means any street right-of-way,
25 including approved private streets, which is so designated by
26 the Council, pursuant to the procedures hereinafter
27 established and adopted by Council, as a result of its special
28 historic, architectural, archaeological, aesthetic or cultural
29 interest and value to the citizens of Jacksonville. The Chief
30 shall maintain a list which specifies the location and
31 boundaries of all corridors so designated.

~~(dd)~~ *Shrub* means a self-supporting woody perennial plant characterized by multiple stems and branches continuous from the base naturally growing to a mature height between two and 12 feet.

~~(ee)~~ *Site specific plant* means a selection of plant material that is particularly well suited to withstand the physical growing conditions that are normal for a specific location.

~~(ff)~~ *Soil texture* means the classification of soil based on the percentage of sand, silt, and clay in the soil.

~~(gg)~~ *Tree* means:

(1) a self-supporting woody plant having a single trunk or a multi-trunk of lower branches, growing to a mature height of at least 12 feet in northeast Florida; and-

(2)

~~(hh)~~ ~~*Tree palm*~~ means an evergreen plant of the Palmaceae family cold hardy in northeast Florida having a single trunk, or multiple trunks, and terminal crown of large pinnate or fan-shaped leaves.

~~(ii)~~ *Turfgrass* means continuous plant coverage consisting of grass species suited to growth in the City of Jacksonville.

~~(jj)~~ *Understory* means assemblages of natural low-level woody, herbaceous, and ground cover species which exist in the area below the canopy of the trees.

~~(kk)~~ *Vegetation, native* means any plant species with a geographic distribution indigenous to all or part of the State of Florida.

~~(ll)~~ *Water use zone* means a grouping of sprays, sprinklers, or microirrigation emitters so that they can be operated simultaneously by the control of one valve according to the water requirements of the plants used.

~~(mm)~~ *Florida-Friendly* means a type of landscaping that maximizes the conservation of water by the use of site-appropriate plants

1 - right plant in the right place methodology, efficient
2 watering systems, appropriate fertilization, mulching,
3 attraction of wildlife, responsible management of pests,
4 recycling of yard waste, reduction of stormwater runoff ,and
5 waterfront protection. The principles include planning and
6 design, appropriate choice of plants, soil analysis, the use
7 of solid waste compost, practical use of turf, efficient
8 irrigation, appropriate use of mulches, and proper
9 maintenance.

10 ~~(nn)~~ *Diameter Breast Height ("DBH")* means the trunk diameter of an
11 existing tree measured four and one-half feet above the average
12 ground level at the tree base. If the tree forks between four
13 and one-half and two feet above ground level, DBH is measured
14 below the swell resulting from the fork. Trunks that fork below
15 two feet, shall be considered multi-trunk trees. DBH for multi-
16 trunk trees shall be determined by measuring each trunk
17 immediately above the fork and adding the total diameters of
18 the four largest trunks. ~~(See also and compare definition for~~
19 ~~caliper in subsection (c) of this Section.)~~

20 ~~(oo)~~ *Chief* means the Chief as designated by the Director of the
21 Planning and Development Department.

22 ~~(pp)~~ *Shade tree* means a species having a height at maturity of at
23 least 45 feet and an average mature crown spread of no less
24 than 30 feet, or trees having an average mature crown spread
25 of less than 30 feet grouped so as to create a total average
26 mature crown spread of no less than 30 feet.

27 ~~(qq)~~ *Sensor Device* means

28 (1) *Rain sensor device* - a low voltage electrical or mechanical
29 component placed in the circuitry of an automatic turfgrass
30 irrigation system which is designed to turn off a sprinkler
31 controller when precipitation has reached a pre-set

quantity.

(2) *Soil Moisture sensor device* - a low voltage electrical or mechanical component placed in the landscape of an automatic turfgrass irrigation system which is designed to suspend a sprinkler controller from operation when adequate soil moisture is present.

(3) *Weather sensor device* -a low voltage electrical or mechanical component placed in the circuitry, either directly or remotely, of an automatic turfgrass irrigation system which is designed to estimate plant water need and adjust a compatible sprinkler controller to apply the appropriate amount of supplemental irrigation.

~~(xx)~~ *Best Management Practices (BMP)* means turf and landscape practices or a combination of practices, based on research, field testing, and expert review, determined to be most effective and practicable on-location means, including economic and technological considerations, for improving water quality, conserving water supplies and protecting natural resources.

~~(ss)~~ *Pressure Regulating Device* means a device that maintains a constant flow and pressure for increased efficiency of irrigation systems. This device shall have a pressure regulating device built into the stem of head or provided in conjunction with the valve. If pressure regulation is derived through the head, it shall be identifiable from the top of the head.

~~(tt)~~ *Hardscape* means areas such as patios, decks, driveways, in-ground swimming pools, paths and sidewalks that do not require irrigation.

~~(uu)~~ *As-Constructed (As-Built) Sketch* means a legible drawing indicating the date of the irrigation system installation, the

number of zones, locations of zones, backflow prevention devices, valves, emitter types and locations, controller(s), pressure regulating devices and sensor device(s). The drawing shall represent the irrigation system as it exists at the time of irrigation system completion and shall be prepared by or at the direction of the person installing the system.

~~(vv)~~ *Irrigation Zone* means a grouping of rotors or sprinkler heads or pop-up sprays or micro irrigation emitters or other irrigation system equipment operated simultaneously by the control of one valve.

~~(ww)~~ *Low Maintenance Zone* means an area a minimum of six feet wide adjacent to water courses which is planted and managed in order to minimize the need for fertilization, watering and mowing. See Chapter 366 Part 6 (Fertilizer Application), Ordinance Code.

~~(xx)~~ *Efficient Irrigation System* means irrigation system design, installation, and maintenance that incorporate water efficient strategies and components, including, but not limited to, pressure regulation devices, sensor devices, correct head spacing, minimum areas of zones of matched precipitation rates and BMP.

~~(yy)~~ *Water Wise Principles* means appropriate planning and design, proper choice of plants, soil analysis that may include the use of solid waste compost, efficient irrigation, practical use of turf, appropriate use of mulches, and proper maintenance consistent with Florida Statutes.

Section 2. Amending Section 656.1205 (Removal of protected trees prohibited; exceptions.), Subpart B (Tree Protection), Part 12 (Landscape and Tree Protection Regulations), Chapter 656 (Zoning Code), Ordinance Code. Section 656.1205, *Ordinance Code*, is hereby amended to read as follows:

CHAPTER 656 - ZONING CODE

* * *

PART 12. - LANDSCAPE AND TREE PROTECTION REGULATIONS

* * *

SUBPART B. - TREE PROTECTION

* * *

Sec. 656.1205 (Removal of protected trees prohibited; ~~exceptions~~
exemptions.)

(a) No person, organization, society, association or corporation, or any agent or representative thereof, directly or indirectly, shall cut down, remove, damage or destroy, or shall authorize the cutting down, removal, damage, or destruction of any protected tree, as defined in Section 656.1203-~~(bb)~~ hereof, or shall commit any act or authorize the commission of any act which physically removes a protected tree or causes a tree to die, such as damage inflicted upon the root system by heavy machinery, chemicals or paving, changing the natural grade above the root system and tree damage permitting infection or pest infestation, without first having obtained a permit as herein provided.

(b) The following protected trees are exempted from the provisions of subsection (a). Where an exemption is claimed, an applicant must obtain a permit pursuant to Section 656.1206 for a fee as found in www.coj.net/fees , and provide supporting evidence that the applicant is entitled to the exemption, as requested by the Building Inspection Development Services Division:

- (1) Any tree located on an individual lot on which either a single-family dwelling or a mobile home is located, provided:

A. The lot is not capable of further subdivision under applicable law; and

B. The single-family dwelling or mobile home is:

(i) Occupied and used for residential purposes, or

(ii) Capable of occupancy in compliance with applicable law.

(2) Any tree of the ~~palm family, other than the Cabbage Palm~~
~~(Sabal palmetto), or the pine family, other than the Long~~
Leaf Pine (*Pinus palustris*) located on that portion of a lot which is more than 20 feet from a street right-of-way (including an approved private street or other access easement), or more than ten feet from any other property line.

* * *

(5) Any tree in a land area located within a City drainage easement, a City drainage right-of-way, and/or a City access way right-of-way (excluding road rights-of-way, or road easements requiring drainage) where trees must be removed, as reasonably necessary, to provide access to, or maintenance and/or construction of, the City's drainage ditches and drainage-related facilities.

(6) Any tree located within an existing or proposed street right-of-way and/or easement shown on a set of approved final construction plans for required improvements within an approved single-family or mobile home subdivision which has been platted or is in the process of being platted and has received preliminary sketch plan approval pursuant to Chapter 654, Ordinance Code (Code of Subdivision Regulations), may be removed during construction of such improvements.

(7) Any tree other than an exceptional specimen tree, as defined in Section 656.1203~~(bb)~~(3), located on property that has been subdivided for residential development by a plat of record or that is in the process of being platted and as received preliminary sketch plan approval pursuant to Section 654.108, Ordinance Code. Property with trees that are exempt under this subsection (8) must comply with the buffer requirements for residential subdivisions of Section 656.1222.

(8) The ~~following~~ nuisance and invasive species of trees as listed by the University of Florida IFAS Extension Service as "Invasive Landscape Plants and Trees," as may be amended from time to time. ~~Pond Willow (Salix caroliniana), Chinese Tallow (Sapium sebiferum), Paper Mulberry (Broussonetia papyrifera), Chinaberry (Melia azedarach), Camphor (Cinnamomum camphora), Wax Myrtle (Myrica cerifera), Golden Raintree (Koelreuteria bipinnata) and Cherry Laurel (Prunus caroliniana).~~

* * *

Section 3. Amending Section 656.1206 (Permit procedure and criteria for tree removal, relocation and replacement of protected trees.), Subpart B (Tree Protection), Part 12 (Landscape and Tree Protection Regulations), Chapter 656 (Zoning Code), Ordinance Code. Section 656.1203, Ordinance Code, is hereby amended to read as follows:

CHAPTER 656 - ZONING CODE

* * *

PART 12. - LANDSCAPE AND TREE PROTECTION REGULATIONS

* * *

SUBPART B. - TREE PROTECTION

* * *

1 **Sec. 656.1206. - Permit procedure and criteria for tree removal,**
2 **relocation and replacement of protected trees.**

3 * * *

4 (g) Protected trees identified for removal on the site clearing or
5 tree removal permit application shall be replaced with new planted
6 trees, unprotected trees or transplanted trees.

7 (1) Protected live oaks ~~(quercus virginiana)~~ (Quercus virginiana)
8 removed shall be replaced only with live oaks. The total
9 caliper inches of replacement live oaks shall equal the total
10 ~~caliper~~ DBH inches of protected live oaks removed.

11 (2) For ~~for~~ other removed woody protected trees, the total caliper
12 inches of replacement trees shall equal one-third the total
13 ~~caliper~~ DBH inches removed.

14 (3) For protected palms with a CT height between 8 feet and 24
15 feet, the total CT height of replacement palms shall be one-
16 third of the total CT feet removed.

17 (4) For palms with a CT height greater than 24 feet, the total CT
18 height of replacement palms shall equal the amount of palm
19 feet removed. ~~A waiver of this replacement requirement may~~
20 ~~be approved by the Chief if the tree removal was for the~~
21 ~~purpose of removing dead, diseased, dying or trees of similar~~
22 ~~condition or for trees whose roots are causing severe damage,~~
23 ~~as determined in the sole discretion of the Chief, to an~~
24 ~~adjacent structure.~~

25 (5) No waiver shall be allowed for the removal of any tree whose
26 continued existence was necessary for compliance with the
27 City's Landscape Code, for receiving credit for conservation
28 mitigation, or for any tree which was planted as part of a
29 mitigation requirement.

30 (6) The total caliper inches (or in the case of palms, CT in feet)
31 for replacement of exceptional specimen trees shall equal the

total caliper inches (or feet) of exceptional specimen trees removed pursuant to Section 656.1205(d).

(7) When there are more than an average of two exceptional specimen trees per acre removed on a particular site, the required mitigation shall be increased by twice the minimum caliper of all exceptional specimen trees lost in order to compensate for that loss.

(8) If multi-trunked trees are used as replacement trees, then the total caliper of the four largest trunks shall equal the replacement caliper.

(9) Palms used for mitigation may not exceed the amount of CT feet of
may be used only to replace protected palms removed.

(10) Replacement species used shall be approved by the Chief.
~~Additionally, the following provisions shall apply:~~

(11) No replacement will be required for protected trees which are determined by the Chief to be dead or deteriorated as a result of age, insects, disease, storm, fire, lightning or other acts of nature, or for trees whose roots are causing severe damage, as determined in the sole discretion of the Chief, to an adjacent structure.

(12) Trees that require trimming or other simple forms of abatement to remain viable shall not be exempt pursuant to this subsection.

(13) An exemption pursuant to this subsection requires the following:

- (i) Sufficient documentation supporting the exemption in a form approved by the Chief; and
- (ii) Verification of the dead or deteriorated status of the tree by a Certified Arborist; and
- (iii) Evaluation of the tree based upon the current site conditions and viability of the tree, not considering

potential impacts of construction.

(214) New replacement trees shall meet the minimum standards for landscape materials established by Section 656.1211(e).

(315) Existing trees, two-inch caliper or greater, which are not protected trees but which are preserved or transplanted, except those trees located in preserve areas, may be utilized to satisfy tree replacement requirements, subject to the conditions stated in Sections 656.1207 and 656.1213(b) and (d).

(416) New, preserved nonprotected, or transplanted exceptional specimen trees or live oaks used as replacement for removed exceptional specimen trees or protected live oaks shall be four-inch caliper or greater.

(517) Existing protected trees which would otherwise be removed from the site because of development, may be utilized to satisfy tree replacement requirements if transplanted to a location on the site which meets the requirements of Sections 656.1207 and 656.1213(b) and (d).

(618) If protected tree removal is associated with new development, the name, size and location of all replacement trees shall be shown on the required landscape plan and such trees shall be installed prior to the final building inspection. Otherwise, the name, size and location of the required replacement trees shall be shown on the site plan required for site clearing or tree removal and such trees shall be installed within the time limit stated on the site clearing or tree removal permit.

(719) Existing nonprotected trees, transplanted trees and new trees used for replacement become protected trees.

(820) Replacement trees shall be maintained pursuant to the requirements of Section 656.1212.

(921) Replacement trees may be used to satisfy the tree requirements of Subpart C, landscaping requirements.

(220) A tree used for replacement shall be at least ten feet from any other tree planted, transplanted or preserved. Greater spacing may be required, based on a tree survey, to ensure survivorship of a tree.

(1123) Replacement trees shall be suitable to the site at which they are planted as determined by the Chief.

(1224) Replacement trees for protected trees larger than 11.5 inches DBH shall be shade trees as required by Article 25 of the Charter of the City of Jacksonville, *Minimum Standards for Tree Protection, Conservation and Mitigation During Development*.

(1325) Trees planted within an area of an onsite wetland created for mitigation of wetlands removed or relocated on the same site may be used satisfy the requirements of this Subpart.

(h) Tree Fund Contribution.

~~(14)~~ (1) If the applicant demonstrates to the satisfaction of the Chief that the site cannot accommodate the total number of required replacement trees as a result of insufficient planting area, the applicant shall provide a monetary contribution to the Tree Protection and Related Expenses Trust Fund. The amount of such contribution shall be determined as follows:

(i) For every two caliper inches, or fraction thereof, of woody replacement trees which would otherwise be required, the contribution shall be equal to the retail value of a planted two-inch caliper nursery grown shade tree.

(ii) The retail value shall be calculated by taking the average of the median current wholesale price, published by

North Florida nurseries, for a container grown, and a balled and burlapped two-inch caliper live oak, multiplied by two.

(iii) The retail value shall be recalculated and adjusted annually on October first.

(iv) Calculation of payment for removal of a protected palm is as follows: every 1 foot, or fraction thereof, of protected palm removed is equivalent to 1-inch in caliper.

~~(15)~~ (i) As an alternative to providing a monetary contribution to the Tree Protection and Related Expenses Trust Fund, an applicant may, under the conditions set forth in this subsection, provide mitigation in certain off-site locations. In such cases, the applicant shall install the required replacement trees at another location (the "alternative site") which is not a residential lot and which meets all of the following criteria:

* * *

~~(16)~~ (j) As a further alternative to providing a monetary contribution to the Tree Protection and Related Expenses Trust Fund, an applicant may, in limited circumstances and under the conditions set forth in this subsection, provide mitigation of the required mitigation amount through conveyance of certain lands to the City of Jacksonville. A conveyance of land in lieu of a monetary contribution to the Tree Protection and Related Expenses Trust Fund, must meet all of the following criteria:

* * *

Section XX. Amending Sec. 656.1208 (Enforcement; violations and penalties; stopping work, correction of violation.) Subpart B (Tree Protection), Part 12 (Landscape and Tree Protection Regulations), Chapter 656 (Zoning Code), Ordinance Code. Section 656.1208, Ordinance Code, is hereby amended to read as follows:

CHAPTER 656 - ZONING CODE

* * *

PART 12. - LANDSCAPE AND TREE PROTECTION REGULATIONS

* * *

SUBPART B. - TREE PROTECTION

* * *

Sec. 656.1208. Enforcement; violations and penalties; stopping work, correction of violation.

* * *

(c) Correction of violation. A violation of this Subpart shall be corrected as follows:

(1) When there is work done without a permit, the property owner shall pay the permit fee due the City for the work, which permit fee shall be twice the amount of the regular permit fee specified in Section 320.409(a)(15) which would have been due had the permit been obtained prior to commencing work, and by replacing the protected trees removed without a permit with new planted trees, unprotected trees or transplanted trees. The total caliper inches of the replacement woody trees shall equal to twice the amount of total caliper inches that would have been required to be planted, pursuant to Section 656.1206(h). The total CT height of replacement palms shall also be equal to twice the amount of CT height of palm that would have been required to be planted. The property owner shall also submit a tree replanting plan showing how the damage caused to the site by the violation will be mitigated shall be subject to the review and approval of the Chief and the trees installed within the time limit stated on the permit. Replacement trees shall meet the requirements of Section 656.1206, except that the minimum caliper of all replacement trees shall be four inches, the minimum size of palms shall be 8 feet CT height, and the plan shall meet

the requirements of Section 656.1217, to the extent applicable; or

(2) When there is no permit, the violator shall pay the permit fee due the City for the work, which permit fee shall be twice the amount of the regular permit fee specified in Section ~~320.408(a)-(15)~~ 320.409(a)(15), which would have been due had the permit been obtained prior to commencing work, and by making a contribution to the Tree Protection and Related Expenses Trust Fund to compensate for each replacement tree which is not planted. The amount of such contribution shall be twice the required amount, pursuant to the formula described in Section 656.1206(h) ~~(14)~~. For each subsequent violation by the property owner, the amount of such contribution shall be triple the required amount, pursuant to the formula described in Section 656.1206(h) ~~(14)~~.

(3) When there has been a permit issued for the proposed work, any property owner who removes more caliper inches of woody tree, or more CT height in feet of palm than the number of caliper inches or CT or overall height, as the case may be, approved in their permit as identified in the final landscape inspection is required to pay triple the required amount for those caliper inches or CT height or overall height in feet that were not permitted pursuant to the formula described in Section 656.1206(h) ~~(14)~~.

(4) If the site has been cleared and the trees have been removed from the site so that the Chief is unable to determine with reasonable certainty the number of protected trees removed in violation of this Subpart, the violation shall be corrected by making a contribution to the Tree Protection and Related Expenses Trust Fund equal to \$50,000 per acre,

1 or fraction thereof per each acre, of land cleared, which
2 fine shall be assessed by the Chief. In the event the Chief
3 assesses such a fine, the Chief shall provide the following
4 information in the Notice of Violation, pursuant to
5 subsection (a), to the property owner: the amount of acres
6 presumed to be impacted by the site clearing without a
7 permit, the total fine assessed, and any other information
8 or documents the Chief relied upon to calculate the fine
9 ("preliminary assessment of fine"). The property owner
10 shall have the ability to appeal the preliminary assessment
11 of fine as follows:

- 12 (i) The property owner has the burden of proving the
13 preliminary assessment of fine should be reduced. The
14 property owner shall have 30 days from the receipt of
15 the Notice of Violation to dispute the assessment. The
16 notice of dispute shall be in writing and sent to the
17 Chief via electronic mail and by either hand delivery
18 or certified mail, and contain the following
19 information (if applicable): evidence of the species
20 of trees removed, the total woody caliper inches, or
21 CT or overall height in feet of palm removed, the
22 application of any exception or exemption to the trees
23 removed as provided for in this Part, and any other
24 relevant information used to dispute the preliminary
25 assessment of fine. All evidence relied upon to
26 support the dispute, including expert analysis and
27 geographical data, shall also be provided in the
28 notice of dispute.

29 * * *

30 Section 3. Amending Sec. 656.1211 (Florida-Friendly
31 Landscape and Irrigation design standards.)

CHAPTER 656 - ZONING CODE

* * *

PART 12. - LANDSCAPE AND TREE PROTECTION REGULATIONS

* * *

SUBPART C. - LANDSCAPING REQUIREMENTS

* * *

Sec. 656.1211. Florida-Friendly Landscape and Irrigation design standards.

* * *

- (c) Trees, excluding palm trees, which are larger than the minimum size may be credited as indicated in Table 1. A minimum of 50 percent of all required trees shall be shade trees.
- (d) Trees required for vehicular use area landscaping may be used to fulfill the tree requirements of this Section.
- (e) Standards for landscape materials.

* * *

- (3) *General criteria for trees:* Trees shall be a species having an average mature crown spread of no less than 15 feet in northeast Florida. Trees having a mature crown spread of less than 15 feet, if grouped to create an equivalent 15 foot spread, may be substituted for the required tree. Single-trunk trees shall be a minimum of two inch caliper and a minimum of ten feet overall height. Multi-trunk trees shall be a minimum of three trunks eight feet high. Trees shall be planted in no less than 16 square feet of planting area, with a minimum dimension of four feet on any side. Trees shall not be planted closer than two feet from any pavement edge or right-of-way line,

as measured from center of trunk. Architectural planters for trees shall be no less than four feet by four feet in width and no less than 24 inches deep. Credits for the use of trees larger than the minimum size will be calculated as indicated in Table 1. Fractional measurements shall be attributed to the next lowest category.

(i) *Shade trees:* Shade trees shall be a species having an average mature crown spread of no less than 30 feet; provided, trees having an average mature crown spread of less than 30 feet may be grouped so as to create a total average mature crown spread of no less than 30 feet and used in lieu of a shade tree. Shade trees at the time of planting shall be a minimum of two inch caliper and ten feet high. Shade trees shall be planted in no less than 150 square feet of planting area, with a minimum dimension on any side of eight feet. Shade trees shall not be planted closer than four feet from any pavement edge or right-of-way line, as measured from center of trunk. Those species of trees whose roots are known to cause damage to pavement shall not be planted closer than six feet to such pavement.

(ii) *Palm trees:* Palms shall be a minimum ~~clear-trunk~~ CT height of eight feet, measured from the ground level to the base of the palm fronds. Palms may be substituted for the required trees at the ratio of two palms for each required tree or four palms for each required shade tree, except as provided below for Phoenix Palm. Each palm shall be planted in no less than 16 square feet of planting area, with a

1 minimum dimension of four feet. Phoenix Palm may be
2 used as a non-shade tree without meeting the ratios
3 for other types of palms if the palm has a fifteen
4 foot spread at maturity and a minimum ~~clear-trunk~~ CT
5 height of eight feet.

6 * * *

7 **Sec. 656.1213. Credit for existing trees and understory.**

8 Whenever the provisions of this Subpart require trees and other
9 landscaping, such requirement may be satisfied by the preservation
10 of existing trees and understory, located in uplands or upland buffer
11 areas, as specified herein, provided all other requirements are met.
12 Trees planted in wetlands and wetland creation areas may also be
13 credited toward mitigation pursuant to Section ~~656.1206(h)(13)~~
14 656.1206(e)(13).

15 (a) Existing trees, **except palm trees**, may be used to satisfy any
16 requirement for trees pursuant to Table 1.
17

* * *

Table 1.
Tree and Understory Vegetation Credits-
Landscape Regulations

Table 1 identifies credits for landscaping under Subpart C only.
Table 1 does not identify credits for mitigation required by
Subpart B.

Tree Credits for <u>Required Trees</u> by using Existing Trees		Tree Credits for <u>Required Trees</u> by using New Trees	
Trunk DBH	No. of Trees Credited	Single Trunk Trunk Caliper	No. of Trees Credited
2 inch and above	1	2 inch and above	1
4 inch and above	2	4 inch and above	2
6 inch and above	3	6 inch and above	3
12 inch and above	4		
18 inch and above	4		

Tree Credits for Existing Trees		Tree Credits for New Trees	
Trunk DBH	No. of Trees Credited	Multi-Trunk Tree Height	No. of Trees Credited
24 inch and above	6	8 feet	1
30 inch and above	7	12 feet	2

* * *

Section XX. Directive to the Codifiers. In Section 656.1203, place both existing and new definitions in alphabetized order.

Section XX. Effective Date. This ordinance shall become effective upon signature by the Mayor or upon becoming effective without the Mayor's signature.

Form Approved:

Office of General Counsel

Legislation prepared by: Susan C. Grandin

City of Jacksonville Tree Commission Public Partners

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Brian Mosier, Director

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Jacksonville, FL 32202

E-mail: COJNeighborhoods@COJ.net

Phone: 904-255-7200

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- *Housing & Community Development*
- *Neighborhood Blight*

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Jacksonville, Florida 32202

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- *Real Estate Division*
- *Public Buildings Division*

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Sierra Club

CONTACT: Tom Larson

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Late Bloomers Garden Club

CONTACT: Debby Early

Deborah.c.early@gmail.com

Stakeholders

Northeast Florida Builders

CONTACT: _____

Forest Service

Larry Figart

Tree Fund Trimming Spending

Ordinance 2018-524-E states “The total amount appropriated from those trust funds for tree maintenance in any fiscal year shall not exceed an amount equal to 25% of the amount budgeted in that fiscal year for tree maintenance activities in the public works department”

In the current fiscal year, Mowing and Landscape received \$319,750 from tree fund for tree trimming.

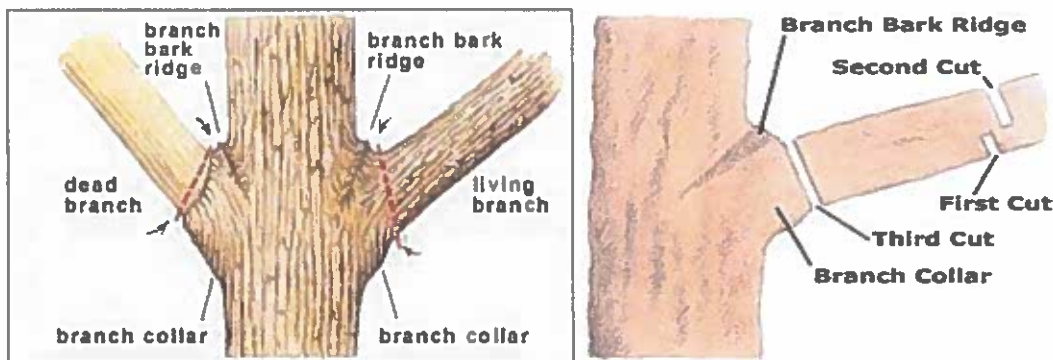
This amount comes from the current fiscal year in the below calculation:

$(\$1,129,000 \text{ general fund} + \$150,000 \text{ stormwater (trees in ditches)}) \times 25\% = \$319,750 \text{ (tree fund tree trimming amount)}$

Our trained staff determine what work will help prolong the life of the tree. A separate purchase order is used for any activities falling within this scope to keep the fund within proper use.

Tree Fund Trimming Activities

Collar cuts – proper cut to remove a branch that allows tree to heal. Often the removal of the branch is due to preventative pruning or due existing damage or decay of branch.



Raise canopy to avoid vehicle damage- avoiding damage prolongs tree and encourages upward growth.



Trimming of deadwood- Removal of deadwood helps keep the tree longer and slows the spread of decay. Often a tree will be assigned for deadwood removal instead of complete removal in effort to prolong the life of the tree. When a crew is at a tree for other reasons, they will remove deadwood as well.



Pruning of structural defects- Structural defects often pointed out for trimming to prevent eventual failures or damage to tree. Prolongs the life of the tree. Some of the defects may include co-dominance, lack of central leader, weak branch unions and disease/pest issues.

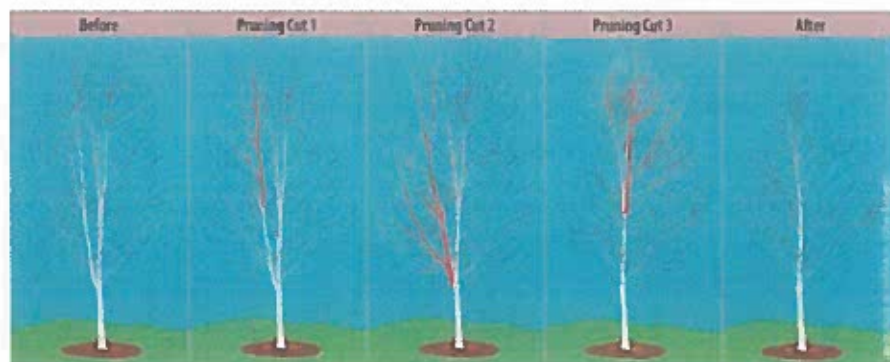


Figure 10. Pruning to improve poor branch structure may be completed over multiple sessions. Pruning goals may be reached in two growing seasons or it may take several years since the pruning dose will be determined by the species, age, and health of the tree.