

**ORDINANCE NO. 6053**

**PROPOSED ORDINANCE NO. 24-037**

**AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF LAKELAND, FLORIDA RELATING TO ZONING; PROVIDING FOR TEXT AMENDMENT LDC24-005 TO ARTICLE 4 (GENERAL SITE DEVELOPMENT STANDARDS), SECTION 4.5 (LANDSCAPING, TREES AND BUFFERING) OF THE LAND DEVELOPMENT CODE TO APPLY THE TREE PRESERVATION REQUIREMENTS TO UNPLATTED PARCELS OF LAND WHICH ARE ZONED FOR SINGLE-FAMILY OR TWO-FAMILY RESIDENTIAL USES AND GREATER THAN ONE ACRE IN AREA, ADOPT A NEW LIST OF QUALIFIED TREE, PALM, SHRUB, GROUNDCOVER AND FLOWER PLANTINGS, AND INCORPORATE CERTAIN FLORIDA-FRIENDLY LANDSCAPING REQUIREMENTS FOR IRRIGATION SYSTEMS; MAKING FINDINGS; FINDING CONFORMITY WITH THE COMPREHENSIVE PLAN; PROVIDING FOR SEVERABILITY; PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, by Ordinance 5425, adopted on December 16, 2013, the City Commission of the City of Lakeland, Florida adopted the Land Development Code for the City of Lakeland; and

**WHEREAS**, the Planning and Zoning Board held a public hearing on July 16, 2024, to consider Text Amendment LDC24-005 to Article 4 (General Site Development Standards), Section 4.5 (Landscaping, Trees and Buffering) of the Land Development Code to apply the tree preservation requirements to unplatted parcels of land which are zoned for single-family or two-family residential uses and greater than one acre in area, adopt a new list of qualified tree, palm, shrub, groundcover and flower plantings, and incorporate certain Florida-Friendly Landscaping requirements for irrigation systems; and

**WHEREAS**, the Planning and Zoning Board, at the conclusion of its regular meeting on August 20, 2024, approved and recommended to the City Commission that Text Amendment LDC24-005 to the Land Development Code be adopted; and

**WHEREAS**, the City Commission, after conducting a duly-advertised public hearing at which all interested persons were afforded the opportunity to be heard, finds that it is in furtherance of the public health, safety and welfare of the citizens of the City of Lakeland to adopt Text Amendment LDC24-005 as described above;

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COMMISSION OF THE CITY OF LAKELAND, FLORIDA:**

**SECTION 1.** The foregoing findings are true and correct and are incorporated herein by reference and made a part hereof.

**SECTION 2.** Text Amendment LDC24-005 to the Land Development Code, as set forth in Attachments "A," "B," "C," "D," and "E," attached hereto and made a part hereof, is hereby adopted and made a part of the City's Land Development Code.

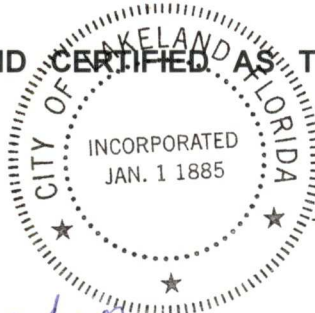
**SECTION 3.** The City Commission does hereby expressly find that the provisions of this Ordinance are in conformity with the Comprehensive Plan of the City of Lakeland adopted by Ordinance 5885, and that all procedures for the enactment of this Ordinance have been complied with.

**SECTION 4.** All ordinances or parts of ordinances in conflict herewith are hereby repealed.

**SECTION 5.** If any word, sentence, clause, phrase or provision of this Ordinance, for any reason, is held to be unconstitutional, void or invalid, the validity of the remainder of this Ordinance shall not be affected thereby.

**SECTION 6.** This Ordinance shall take effect immediately upon its passage.

**PASSED AND CERTIFIED AS TO PASSAGE** this 16th day of September, A.D. 2024.



*H. William Mutz*  
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H. WILLIAM MUTZ, MAYOR

ATTEST: *Kelly S. Koos*  
*for* KELLY S. KOOS, CITY CLERK

APPROVED AS TO FORM AND CORRECTNESS: *Palmer C. Davis*  
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PALMER C. DAVIS  
CITY ATTORNEY

## ATTACHMENT "A"

## ARTICLE 4: - GENERAL SITE DEVELOPMENT STANDARDS

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## 4.5.3 DEFINITIONS

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**Florida-Friendly Landscaping:** ~~Landscapes designed and maintained to maximize water conservation by minimizing irrigation needs. Science-based, low-impact, sustainable, environmentally friendly landscaping practices that conserve water, reduce pollutant loading to Florida waters, and protect Florida's natural resources, in accordance with the University of Florida IFAS Extension and FDEP's "Landscape Irrigation and Florida-Friendly Landscape Design Standards," as amended.~~

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## 4.5.10 TREE PRESERVATION

## 4.5.10.1 Intent and Applicability

## a. Intent

1. It is the intent of this section to establish standards to prevent, mitigate or compensate for the loss of the public resource where tree canopy is proposed to be destroyed by development.
2. Except as specifically provided herein, the preservation of existing trees on development sites is to be preferred to the planting of new trees.
3. Efforts to preserve existing trees are encouraged and the Director of Parks and Recreation may recommend that the Director of Community Development modify development standards in order to save specific trees.

## b. Applicability

The provisions of this section shall apply to the proposed destruction or relocation of any regulated tree as the result of development activity, with the following exceptions:

1. Lots or parcels zoned for single-family or two-family dwellings less than one acre in size and comprised of not more than two lots of record, which are not part of a proposed development or subdivision plan; ~~(However, this section shall apply to proposed subdivisions for single family or two family dwellings;)~~
2. Any vertical mixed use development where residential or office uses are located above ground floor commercial and a minimum of 60 percent of the building frontage is dedicated to retail or service commercial uses;
3. Bona fide agricultural uses, commercial nurseries and botanical gardens;
4. Bona fide utility maintenance, safety or fire reduction activities; or
5. Emergency or disaster recovery activities.

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## 4.5.11 STANDARDS FOR LANDSCAPE DESIGN, INSTALLATION AND MAINTENANCE

4.5.11.1 Required landscaping and irrigation systems shall be designed, installed and maintained in accordance with Florida-Friendly Landscaping practices and the following standards. Approved landscape and irrigation plans shall provide the basis on which compliance is determined.

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#### 4.5.11.3 Irrigation Systems

The following standards shall apply to the installation of new residential and non-residential irrigation systems, and the retrofit or replacement of existing residential and non-residential irrigation systems.

- a. Unless otherwise provided herein, all required landscaping shall be irrigated by a permanent irrigation system designed for maximum water conservation, which shall provide 100 percent coverage of plant material and shall be fully operational before building occupancy except that no irrigation systems shall be required in those areas where existing trees or areas of natural vegetation are to be preserved, non-required landscape areas, or as indicated on the approved landscape plan. If approved by the Director of Parks and Recreation, newly planted trees may be irrigated by a temporary irrigation system. Newly planted trees shall be irrigated until they are established at which time irrigation may be terminated and any temporary system removed.
- b. ~~Rain shut-off devices shall be required.~~ A rain sensor or equal technology that inhibits or interrupts operations of the irrigation system during periods of sufficient moisture shall be installed and control all irrigation zones. Rain sensor and related hardware shall be installed per manufacturer specifications.
- c. Irrigation systems serving landscape areas ~~having with~~ different irrigation demands shall be zoned accordingly to vegetated groupings (e.g., turfgrass, shrubs, trees) and the watering requirements of the plants. Turfgrass and landscaped beds, such as trees, shrubs and groundcover beds shall not be irrigated in the same zone.
- d. Rotary irrigation heads and spray irrigation heads should be kept in separate zones, and no irrigation zone shall include both rotary and spray irrigation heads.
- e. All sprinkler heads with spray nozzles shall be pressure regulated at the head and/or valve. Adequate pressure per the manufacturer specifications must be achieved throughout an entire zone.
- f. Narrow areas, 4 feet or less, shall not be irrigated unless correctly installed low-volume irrigation or end-strip/side-strip nozzles are used.
- g. Large sod zones shall be irrigated using rotors or similar devices to achieve maximum irrigation efficiency.
- h. Distribution equipment in a given zone shall have matched precipitation rates.
- i. All irrigation installations will include backflow assembly per Florida Building Code. If a chemical injection system is present for any reason, a reduced pressure principal backflow assembly is required.
- j. A minimum separation of 4 inches shall be required between distribution equipment and pavement.
- k. Sprinklers in low-lying areas shall have check valves to prevent head drainage.

- l. Irrigation design should include head-to-head spacing and consider soil, slope, and other site characteristics to minimize water waste, such as: overspray, off-site runoff, the watering of impervious surfaces and other non-vegetated areas.
- m. Sprinklers shall rise above turfgrass height:
1. Minimum 6-inch pop-up for sprays and 4-inch pop-up for rotors for St. Augustine, Zoysia, and Bahia grasses;
  2. Minimum 4-inch pop-up for sprays and rotors for Centipede, Bermuda, and Seashore Paspalum grasses.
- n. Irrigation installers shall provide property owners and users with post-construction maintenance and system information, including:
1. Design drawings as detailed in Appendix F of the Plumbing Volume of the Florida Building Code.
  2. Recommended maintenance activities and schedules.
  3. Operation schedule.
  4. Instructions on adjusting the system to irrigate in accordance with the rules of the Southwest Florida Water Management District after landscaping is established.
  5. Water shut-off method.
  6. Manufacturer's operational guide for the controller.
- o. Water Source
1. At the discretion of the Water Utilities Department, the use of non-potable water sources may be required for irrigation. Non-potable water sources include shallow wells, agricultural wells, lakes, ponds, stormwater retention and detention facilities, and reclaimed/reuse water systems. Where non-potable irrigation water systems are planned but not yet operational, at the discretion of the Water Utilities Department the irrigation system may be connected to the potable water system and disconnected when non-potable water becomes available. The use of non-potable irrigation water sources shall not exempt development from the water-efficient landscaping principles of this article.
  2. Irrigation systems shall not be connected to both potable and non-potable sources due to the potential of contaminating the City's potable water system. Any water source other than the City's potable water system is an "auxiliary source." Where an auxiliary source is used, there shall be a physical disconnect (air gap) between the two piping systems. An approved backflow prevention assembly shall be installed at the City's water service connection to any premises where there is an auxiliary water supply and the public water system. Backflow prevention assemblies approved by the Water Utilities Department shall be installed on all potable water service connections/meters to the site, including those for domestic, fire service and irrigation water.
- p. All irrigation restrictions imposed by the City of Lakeland and/or the Southwest Florida Water Management District shall be adhered to within 60 calendar days after landscape installation and the plant establishment period.
- q. All irrigation systems shall be installed and maintained in accordance with manufacturer's specifications.

r. The following are exempt from the Irrigation System standards but should follow applicable Florida-Friendly Landscaping best management practices:

1. Bona fide agricultural activities;
2. Vegetable gardens and fruit and nut trees;
3. Athletic parks;
4. Parks and recreational areas;
5. Golf course play areas;
6. Cemeteries;
7. Nurseries;
8. Botanical gardens;
9. Open space;
10. Temporary establishment irrigation.

## ATTACHMENT "B"

TABLE 4.5-1 FRONTAGE BUFFER OPTIONS

Options	Minimum Planter Strip Width	Minimum Landscaping Required
Option 1	5'	Type A hedge with 8 <u>10</u> C (Small) trees per 100 lin. ft. or fraction thereof.
Option 2	7.5'	Type A hedge with 4 <u>6</u> B (Medium) trees per 100 lin. ft. or fraction thereof.
Option 3 (Limited to 150 lin. ft. per frontage in Central City Area)	4' including wall	3 ft. high masonry streetwall with low shrubs and groundcover on street side.
Notes:		
<ol style="list-style-type: none"> <li>1. These are minimum standards. Buffers may incorporate greater width and additional plant materials.</li> <li>2. Tree species shall be in accordance with Table 4.5-6. Hedge, shrub and groundcover species shall be in accordance with Table 4.5-8.</li> <li>3. Where located with less than 15 feet offset from overhead powerlines, trees shall be limited to specific C (Small) trees in accordance with Table 4.5-6.</li> <li>4. Planter strip width is measured to the inside of curbs with no vehicle overhang. Curbing, wheelstops or posts shall be used to control vehicle overhang.</li> <li>5. Tree spacing may vary but the intent is to space trees evenly across the frontage. The spacing standard indicates the number of trees to be planted, not the precise location of trees. Where street trees exist or are proposed within the adjacent right-of-way, the intent is to alternate the frontage buffer canopy trees between the street trees.</li> <li>6. All ground area within planters shall be covered by turf grass, low shrubs or groundcover plants.</li> <li>7. Streetwalls shall have a minimum 75% view blockage and shall match the architectural materials and finish of the principal building.</li> </ol>		



## ATTACHMENT "C"

TABLE 4.5-6 QUALIFIED TREES

Botanical Name √ = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<b>LARGE "A" TREES</b>											
<i>Carya illinoensis</i>	Pecan	No	60'-100'	40'-60'	30'	8'	Deciduous	Broad Oval	Moist to Well-Drained	High	Low
<i>Carya glabra</i>	√ Pignut Hickory	No	50'-65'	30'-40'	30'	8'	Deciduous	Oval	Well-Drained	High	Medium
<i>Carya tomentosa</i>	√ Mockernut Hickory	Yes	50'-75'	35'-50'	30'	8'	Deciduous	Oval	Well-Drained	High	Medium
<i>Celtis laevigata</i>	√ Sugarberry	No	50'-70'	50'-60'	30'	8'	Deciduous	Rounded Vase	Varied	Low	Medium
<i>Chorisia speciosa</i>	Floss Silk Tree	No	35'-50'	40'-50'	30'	8'	Deciduous	Upright	Well-Drained	High	Medium
<i>Cinnamomum camphora</i>	Camphor	Yes	40'-50'	50'-70'	30'	8'	Evergreen	Spreading	Varied	High	High
<i>Fraxinus pennsylvanica</i>	√ Green Ash	No	60'-70'	40'-45'	30'	8'	Deciduous	Upright	Varied	Medium	Low
<i>Liquidambar formosana</i>	Formosan Sweetgum	Yes	40'-60'	30'-45'	30'	8'	Deciduous	Pyramidal Rounded	Well-Drained	Medium	Medium
<i>Liquidambar styraciflua</i>	√ Sweetgum	Yes	60'-75'	30'-50'	30'	8'	Deciduous	Upright	Moist to Well-Drained	High	Medium

TABLE 4.5-6 QUALIFIED TREES

Botanical Name v = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Liriodendron tulipifera</i>	v Tulip Tree	Yes	80'-120'	30'-50'	30'	8'	Deciduous	Pyramidal	Moist to Well-Drained	Medium	Medium
<i>Magnolia grandiflora</i>	v Southern Magnolia	Yes	60'-80'	30'-40'	30'	8'	Evergreen	Upright Pyramidal	Varied	Medium	High
<i>Nyssa sylvatica</i>	v Black Gum	No	65'-75'	25'-35'	30'	8'	Deciduous	Pyramidal Oval	Moist to Wet	High	Medium
<i>Pinus clausa</i>	v Sand Pine	No	60'-80'	15'-40'	30'	8'	Evergreen	Pyramidal	Well-Drained	High	Low
<i>Pinus elliotti</i>	v Slash Pine	No	60'-100'	30'-60'	30'	8'	Evergreen	Upright Open	Varied	High	Medium
<i>Pinus elliotti densa</i>	v South Fla. Slash Pine	Yes	40'-60'	30'-60'	30'	8'	Evergreen	Upright Open	Varied	High	Medium
<i>Pinus glabra</i>	v Spruce Pine	No	50'-60'	25'-40'	30'	8'	Evergreen	Upright Open	Varied	Medium	Medium
<i>Pinus palustris</i>	v Longleaf Pine	No	60'-80'	30'-40'	30'	8'	Evergreen	Upright Irregular	Varied	High	Medium
<i>Platanus occidentalis</i>	v Sycamore	Yes	75'-90'	60'-70'	30'	8'	Deciduous	Pyramidal Rounded	Varied	Medium	Medium
<i>Quercus hemispherica</i>	v Laurel Oak	No	65'-100'	40'-60'	30'	8'	Semi-deciduous	Upright	Well-Drained	Medium	Low
<i>Quercus lyrata</i>	v Overcup Oak	Yes	60'-80'	30'-50'	30'	8'	Deciduous	Rounded	Varied	Medium	High
<i>Quercus michauxii</i>	v Swamp Chestnut	Yes	60'-80'	30'-50'	30'	8'	Deciduous	Narrow Pyramidal	Moist	Low	High

TABLE 4.5-6 QUALIFIED TREES

Botanical Name v = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Quercus nuttallii</i>	v Nuttall Oak	Yes	60'-80'	40'-50'	30'	8'	Deciduous	Upright	Varied	Medium	Medium
<i>Quercus shumardii</i>	v Shumard Oak	Yes	60'-80'	40'-50'	30'	8'	Deciduous	Upright	Moist	Medium	Medium
<i>Quercus virginiana</i>	v Live Oak	Yes	60'-80'	60'-120'	30'	8'	Semi-deciduous	Spreading	Varied	High	High
<i>Tipuana tipu</i>	Pride of Bolivia	Yes	30'-50'	20'-40'	30'	8'	Evergreen	Spreading	Moist	Medium	Medium
<i>Ulmus alata</i>	v Winged Elm	Yes	40'-70'	30'-40'	30'	8'	Deciduous	Rounded Vase	Dry to Wet	High	Medium
<i>Ulmus americana</i>	v American Elm	Yes	50'-70'	30'-50'	30'	8'	Deciduous	Vase	Dry to Wet	High	Medium
<b>MEDIUM "B" TREES</b>											
<i>Acer barbatum</i>	v Florida Sugar Maple	Yes	40'-50'	30'-40'	15'	5'	Deciduous	Rounded	Moist to Medium	Medium	Medium
<i>Acer rubrum</i>	v Red Maple	No	40'-60'	25'-30'	15'	5'	Deciduous	Upright	Moist to Wet	Medium	Low
<i>Averrhoa carambola</i>	Star Fruit	No	25'-35'	20'-30'	15'	5'	Evergreen	Rounded	Well-Drained	Poor	Medium
<i>Bauhinia blakeana</i>	Hong Kong Orchid Tree	No	25'-30'	25'-35'	15'	5'	Deciduous	Vase	Well-Drained	High	Low
<i>Betula nigra</i>	v River Birch	No	40'-50'	25'-35'	15'	5'	Deciduous	Upright Angular	Moist to Wet	Low	Medium
<i>Brachychiton acerifolius</i>	Bottle Tree	No	35'-50'	20'-30'	15'	5'	Deciduous	Oval Rounded	Well-Drained	High	Medium

TABLE 4.5-6 QUALIFIED TREES

Botanical Name v = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Carpinus caroliniana</i>	v Blue Beech	No	20'-40'	20'-40'	15'	5'	Deciduous	Upright Oval	Moist to Wet	Medium	High
<i>Cassia leptophylla</i>	Gold Medallion Tree	No	30'-40'	30'-40'	15'	5'	Deciduous	Rounded	Well-Drained	Medium	Medium
<i>Citrus spp.</i>	Orange, Lemon, Grapefruit	No	15'-30'	10'-20'	15'	5'	Evergreen	Spreading	Well-Drained	Medium	Medium
<i>Cupressus arizonica</i>	v Carolina Sapphire	Yes	30'-40'	15'-25'	15'	5'	Evergreen	Columnar	Varied	Medium	Low
<i>Diospyros virginiana</i>	v Persimmon	No	40'-60'	20'-35'	15'	5'	Deciduous	Rounded	Moist to Wet	High	High
<i>Elaeocarpus decipiens</i>	Japanese Blueberry	Yes	25'-35'	10'-15'	15'	5'	Evergreen	Upright Narrow	Well-Drained	Medium	Medium
<i>Eriobotrya japonica</i>	Loquat	Yes	20'-30'	30'-35'	15'	5'	Evergreen	Round Vase	Varied	Medium	Medium
<i>Gordonia lasianthus</i>	v Loblolly Bay	No	30'-40'	10'-20'	15'	5'	Evergreen	Narrow Conical	Wet	Low	High
<i>Ilex cassine</i>	v Dahoon Holly	No	20'-30'	8'-12'	15'	5'	Evergreen	Upright Dense	Moist to Wet	Medium	High
<i>Jacaranda mimosifolia</i>	Jacaranda	No	25'-40'	25'-60'	15'	5'	Deciduous	Vase	Well-Drained	High	Low
<i>Juniperus silicicola</i>	v Southern Red Cedar	Yes	30'-40'	20'-30'	15'	5'	Evergreen	Conical Open	Varied	High	Medium

TABLE 4.5-6 QUALIFIED TREES

Botanical Name v = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Juniperus virginiana</i>	Eastern Red Cedar	Yes	40'-50'	10'-25'	15'	5'	Evergreen	Oval Pyramidal	Varied	High	Medium
<i>Koelreuteria formosana</i>	Gold Rain Tree	Yes	25'-35'	25'-35'	15'	5'	Deciduous	Rounded	Well-Drained	High	Low
<i>Lagerstroemia indica</i> 'Arapaho'	Crape Myrtle	Yes	12'-25'	12'-20'	15'	5'	Deciduous	Vase	Varied	High	High
<i>Lagerstroemia indica</i> 'Bashams Party Pink'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Rounded	Varied	High	High
<i>Lagerstroemia indica</i> 'Biloxi'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Open	Varied	High	High
<i>Lagerstroemia indica</i> 'Dynamite'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia indica</i> 'Fantasy'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Vase	Varied	High	High
<i>Lagerstroemia indica</i> 'Glendora White'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia indica</i> 'Kiowa'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Vase	Varied	High	High
<i>Lagerstroemia indica</i> 'Miami'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia indica</i> 'Muskogee'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Rounded	Varied	High	High
<i>Lagerstroemia indica</i> 'Natchez'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Rounded	Varied	High	High

TABLE 4.5-6 QUALIFIED TREES

Botanical Name √ = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Lagerstroemia indica</i> 'Townhouse'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Vase	Varied	High	High
<i>Lagerstroemia indica</i> 'Tuscarora'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia indica</i> 'Tuskegee'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Vase	Varied	High	High
<i>Lagerstroemia indica</i> 'Wichita'	Crape Myrtle	Yes	15'-25'	15'-20'	15'	5'	Deciduous	Upright	Varied	High	High
<i>Morus rubra</i>	√ Red Mulberry	No	30'-50'	35'-50'	15'	5'	Deciduous	Rounded	Moist to Wet	Medium	Low
<i>Olea europaea</i>	Olive	Yes	25'-50'	25'-35'	15'	5'	Evergreen	Irregular	Varied	High	Medium
<i>Podocarpus macrophyllus</i>	Podocarpus	Yes	30'-50'	15'-25'	15'	5'	Evergreen	Upright	Varied	High	High
<i>Podocarpus nagi</i>	Broadleaf Podocarpus	Yes	30'-50'	15'-25'	15'	5'	Evergreen	Upright	Varied	High	High
<i>Podocarpus gracilior</i>	Weeping Podocarpus	Yes	30'-50'	25'-35'	15'	5'	Evergreen	Weeping	Varied	High	High
<i>Quercus austrina</i>	√ Bluff Oak	Yes	40'-60'	30'-40'	15'	5'	Deciduous	Broad Pyramidal	Wet to Medium	Medium	High
<i>Quercus geminata</i>	√ Sand Live Oak	Yes	30'-50'	45'-60'	15'	5'	Semi-deciduous	Spreading	Well-Drained Sandy	High	High
<i>Quercus incana</i>	√ Bluejack Oak	No	25'-50'	25'-35'	15'	5'	Deciduous	Rounded	Varied	High	High

TABLE 4.5-6 QUALIFIED TREES

Botanical Name v = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Quercus marilandica</i>	✓ Blackjack Oak	No	30'-40'	20'-30'	15'	8'	Deciduous	Rounded	Medium to Dry	High	High
<i>Quercus marilandica</i>	✓ Sand Post Oak	No	25'-50'	25'-35'	15'	5'	Deciduous	Oval	Well-Drained	High	High
<i>Quercus stellata</i>	✓ Post Oak	Yes	20'-40'	15'-25'	15'	5'	Deciduous	Irregular	Varied	High	High
<i>Salix babylonica</i>	Weeping Willow	No	45'-70'	45'-70'	15'	5'	Semi-deciduous	Rounded Upright	Moist to Wet	Medium	Low
<i>Salix caroliniana</i>	✓ Coastal Plain Willow	No	30'	20'-25'	15'	5'	Deciduous	Round Spreading	Wet	Medium	Low
<i>Tabebuia caraiba</i>	Trumpet Tree	No	15'-25'	10'-15'	15'	5'	Deciduous	Irregular	Varied	High	Low
<i>Tabebuia chrysotricha</i>	Gold Trumpet Tree	Yes	25'-35'	25'-35'	15'	5'	Deciduous	Upright	Varied	Medium	Low
<i>Tabebuia heterophylla</i>	Pink Trumpet Tree	Yes	40'-50'	35'-50'	15'	5'	Deciduous	Oval Round	Varied	Medium	Low
<i>Tabebuia impetiginosa</i>	Purple Trumpet Tree	Yes	20'-30'	15'-25'	15'	5'	Deciduous	Oval Round	Varied	Medium	Low
<i>Tabebuia umbellata</i>	Yellow Trumpet Tree	Yes	10'-20'	25'-35'	15'	5'	Deciduous	Horizontal	Varied	High	Low
<i>Taxodium ascendens</i>	✓ Pond Cypress	No	60'-80'	15'-30'	15'	5'	Deciduous	Upright	Dry to Wet	High	High
<i>Taxodium distichum</i>	✓ Bald Cypress	Yes	60'-80'	15'-30'	15'	5'	Deciduous	Upright	Dry to Wet	High	High

TABLE 4.5-6 QUALIFIED TREES

Botanical Name v = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Tecoma stans</i>	Yellow Elder	No	20'-30'	20'-30'	15'	5'	Evergreen	Oval	Varied	High	Medium
<i>Thuja occidentalis</i>	Arborvitae	No	30'-50'	15'-25'	15'	5'	Evergreen	Upright	Varied	Medium	Medium
<i>Ulmus parvifolia</i> 'Allee'	Allee Elm	Yes	40'-50'	35'-50'	15'	5'	Deciduous	Upright Oval	Well-Drained	High	Low
<b>SMALL "C" TREES</b>											
<i>Acacia farnesiana</i>	v Sweet Acacia	No	15'-25'	15'-25'	None	None	Semi-Evergreen	Rounded	Varied	High	High
<i>Caesalpinia pulcherrima</i>	Dwarf Poinciana	No	8'-12'	10'-12'	None	None	Evergreen	Rounded	Well-Drained	High	Low
<i>Callistemon rigidus</i>	Bottlebrush	No	15'-20'	15'-20'	None	None	Evergreen	Upright	Moist to Well-Drained	High	Medium
<i>Callistemon viminalis</i>	Weeping Bottlebrush	No	15'-20'	15'-20'	None	None	Evergreen	Weeping	Moist to Well-Drained	High	Medium
<i>Camellia sasanqua</i>	Sasanqua	No	15'-20'	15'-20'	None	None	Evergreen	Rounded	Well-Drained	Medium	Medium
<i>Cassia bicapsularis</i>	Butterfly Bush	No	8'-12'	8'-10'	None	None	Semi-Evergreen	Rounded	Well-Drained	Medium	Low
<i>Chionanthus retusa</i>	v Chinese Fringetree	No	15'-20'	10'-15'	None	None	Deciduous	Rounded	Well-Drained	Medium	Medium
<i>Cordia boissieri</i>	White Geiger Tree	No	15'-20'	10'-15'	None	None	Evergreen	Rounded	Well-Drained	High	High



TABLE 4.5-6 QUALIFIED TREES

Botanical Name v = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Eugenia foetida</i>	Simpson Stopper	Yes	10'-20'	10'-15'	None	None	Evergreen	Rounded	Varied	High	Medium
<i>Ilex cornuta</i> 'Burfordii'	Burford Holly	Yes	15'-25'	15'-25'	None	None	Evergreen	Rounded	Well-Drained to Moist	Medium	High
<i>Ilex vomitoria</i>	Yaupon Holly	Yes	15'-25'	15'-20'	None	None	Evergreen	Rounded Vase	Varied	High	High
<i>Ilex vomitoria pendula</i>	Weeping Yaupon Holly	Yes	15'-30'	8'-12'	None	None	Evergreen	Weeping	Varied	High	High
<i>Lagerstroemia indica</i>	Crape Myrtle	Yes	10'-30'	15'-25'	None	None	Deciduous	Vase	Varied	High	High
<i>Lagerstroemia indica</i> 'Acoma'	Crape Myrtle	Yes	6'-12'	6'-10'	None	None	Deciduous	Pendulous	Varied	High	High
<i>Lagerstroemia indica</i> 'Apalachee'	Crape Myrtle	Yes	12'-20'	10'-15'	None	None	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia indica</i> 'Centennial'	Crape Myrtle	Yes	6'-12'	6'-10'	None	None	Deciduous	Rounded	Varied	High	High
<i>Lagerstroemia indica</i> 'Cherokee'	Crape Myrtle	Yes	6'-12'	6'-10'	None	None	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia indica</i> 'Comanche'	Crape Myrtle	Yes	12'-20'	10'-15'	None	None	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia indica</i> 'Hope'	Crape Myrtle	Yes	6'-12'	6'-10'	None	None	Deciduous	Open	Varied	High	High

TABLE 4.5-6 QUALIFIED TREES

Botanical Name v = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Lagerstroemia indica</i> 'Hopi'	Crape Myrtle	Yes	6'-12'	6'-10'	None	None	Deciduous	Open	Varied	High	High
<i>Lagerstroemia indica</i> 'Lipan'	Crape Myrtle	Yes	12'-20'	10'-15'	None	None	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia indica</i> 'Near East'	Crape Myrtle	Yes	12'-20'	10'-15'	None	None	Deciduous	Open	Varied	High	High
<i>Lagerstroemia indica</i> 'Osage'	Crape Myrtle	Yes	12'-20'	10'-15'	None	None	Deciduous	Rounded	Varied	High	High
<i>Lagerstroemia indica</i> 'Osage Blush'	Crape Myrtle	Yes	12'-20'	10'-15'	None	None	Deciduous	Rounded	Varied	High	High
<i>Lagerstroemia indica</i> 'Pecos'	Crape Myrtle	Yes	6'-12'	6'-10'	None	None	Deciduous	Vase	Varied	High	High
<i>Lagerstroemia indica</i> 'Red Rooster'	Crape Myrtle	Yes	6'-12'	6'-10'	None	None	Deciduous	Rounded	Varied	High	High
<i>Lagerstroemia indica</i> 'Sarahs Favorite'	Crape Myrtle	Yes	12'-20'	10'-15'	None	None	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia indica</i> 'Sioux'	Crape Myrtle	Yes	12'-20'	10'-15'	None	None	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia indica</i> 'Tonto'	Crape Myrtle	Yes	6'-12'	6'-10'	None	None	Deciduous	Rounded	Varied	High	High
<i>Lagerstroemia indica</i> 'Yuma'	Crape Myrtle	Yes	12'-20'	10'-15'	None	None	Deciduous	Open	Varied	High	High
<i>Ligustrum japonicum</i>	Waxleaf Privet	Yes	10'-15'	15'-20'	None	None	Evergreen	Oval Round	Varied	High	Medium

TABLE 4.5-6 QUALIFIED TREES

Botanical Name v = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Parkinsonia aculeata</i>	Jerusalem Thorn	No	15'-20'	20'-25'	None	None	Deciduous	Vase Spreading	Varied	High	High
<i>Prunus angustifolia</i>	v Chickasaw Plum	No	12'-20'	15'-20'	None	None	Deciduous	Rounded	Well-Drained	High	Medium
<i>Prunus umbellata</i>	v Flatwoods Plum	No	15'-20'	15'-20'	None	None	Deciduous	Rounded	Well-Drained	Medium	High
<i>Viburnum odoratissimum</i> 'Awabuki'	Awabuki Sweet Viburnum	No	15'-20'	15'-20'	None	None	Evergreen	Rounded	Well-Drained	High	High
<i>Vitex agnus-castus</i>	v Chastetree	Yes	10'-15'	15'-20'	None	None	Deciduous	Rounded	Varied	High	Medium

Table 4.5-6 Qualified Trees

Large 'A' Trees											
Botanical Name √ = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/Sewer Offset	Deciduous/Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Brachychiton acerifolia</i>	Illawara Flame Tree	No	50' - 60'	30' - 40'	30'	8'	Deciduous	Upright & Pyramidal	Well Drained	High	Low
<i>Brachychiton discolor</i>	Queensland Lacebark	Yes	40' - 65'	30'	30'	8'	Deciduous	Upright & Pyramidal	Well-Drained	High	Medium
<i>Brachychiton populneus</i>	Kurrajong	Yes	30' - 50'	30'	30'	8'	Deciduous	Upright & Pyramidal	Well-Drained	High	Medium
<i>Carya glabra</i>	√ Pignut Hickory	No	50' - 65'	30' - 40'	30'	8'	Deciduous	Oval	Well-Drained	High	Medium
<i>Carya illinoensis</i>	√ Pecan	No	60' - 100'	40' - 60'	30'	8'	Deciduous	Broad Oval	Moist/Well-Drained	High	Medium
<i>Carya tomentosa</i>	√ Mockernut Hickory	Yes	50' - 75'	35' - 50'	30'	8'	Deciduous	Oval	Well-Drained	High	Medium
<i>Ceiba speciosa</i>	Floss Silk Tree	No	35' - 50'	40' - 50'	30'	8'	Deciduous	Upright	Well-Drained	High	Medium
<i>Celtis laevigata</i>	√ Sugarberry	No	50' - 70'	50' - 60'	30'	8'	Deciduous	Rounded Vase	Varied	Low	Medium

<i>Cinnamomum camphora</i>		Camphor	Yes	40' - 50'	50' - 70'	30'	8'	Evergreen	Spreading	Varied	Medium	Low
<i>Liquidambar formosana</i>		Formosan Sweetgum	Yes	40' - 60'	30' - 45'	30'	8'	Deciduous	Rounded	Well-Drained	Medium	Medium
<i>Liquidambar styraciflua</i>	v	American Sweetgum	Yes	60' - 75'	30' - 50'	30'	8'	Deciduous	Upright & Pyramidal	Varied	Medium	Low
<i>Liriodendron tulipifera</i>	v	Tulip Poplar	Yes	80' - 120'	30' - 50'	30'	8'	Deciduous	Pyramidal	Moist/Well-Drained	Medium	Medium
<i>Magnolia grandiflora</i>	v	Southern Magnolia	Yes	60' - 80'	30' - 40'	30'	8'	Evergreen	Upright & Pyramidal	Moist/Well-Drained	Low	High
<i>Pinus clausa</i>	v	Sand Pine	No	60' - 80'	15' - 40'	30'	8'	Evergreen	Pyramidal	Well-Drained	High	Low
<i>Pinus elliotti</i>	v	Slash pine	No	60' - 100'	30' - 60'	30'	8'	Evergreen	Upright Open	Varied	High	Medium
<i>Pinus elliotti 'Densa'</i>	v	'Densa' Slash Pine	No	40' - 60'	30' - 60'	30'	8'	Evergreen	Upright Open	Varied	High	Medium
<i>Pinus glabra</i>	v	Spruce Pine	No	30' - 60'	25' - 40'	30'	8'	Evergreen	Upright Open	Varied	Medium	Medium
<i>Pinus palustris</i>	v	Longleaf pine	No	60' - 80'	30' - 40'	30'	8'	Evergreen	Upright Irregular	Varied	High	Medium

<i>Platanus occidentalis</i>	V	American Sycamore	Yes	75' - 90'	60' - 70'	30'	8'	Deciduous	Pyramidal Rounded	Varied	Medium	Medium
<i>Quercus lyrata</i>	V	Overcup Oak	Yes	60' - 80'	30' - 50'	30'	8'	Deciduous	Rounded	Varied	Medium	High
<i>Quercus virginiana</i>	V	Live Oak	Yes	60' - 80'	60' - 120'	30'	8'	Semi-deciduous	Spreading	Varied	High	High
<i>Roseodendron donell-smithii</i>		Primavera	Yes	40' - 80'	30' - 50'	30'	8'	Deciduous	Rounded Vase	Moist/Well-Drained	Medium	Medium
<i>Taxodium mucronatum</i>		Montezuma Cypress	No	50' - 80'	20' - 40'	30'	8'	Deciduous	Upright Conical	Wet to Well-Drained	Low	High
<i>Tipuana tipu</i>		Pride of Bolivia	Yes	30' - 50'	20' - 40'	30'	8'	Evergreen	Spreading	Moist	Medium	Medium
<i>Ulmus alata</i>	V	Winged Elm	Yes	40' - 70'	30' - 40'	30'	8'	Deciduous	Rounded Vase	Wet to Dry	High	Medium
<i>Ulmus americana</i>	V	American Elm	Yes	50' - 70'	30' - 50'	30'	8'	Deciduous	Vase	Wet to Dry	High	Medium

Medium 'B' Trees												
Botanical Name v = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/Sewer Offset	Deciduous/Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance	
<i>Acer floridanum</i>	v Florida Sugar Maple	Yes	20' - 60'	25' - 40'	15'	5'	Deciduous	Rounded	Moist/Well-Drained	Medium	Medium	
<i>Acer rubrum</i>	v Red Maple	Yes	40' - 60'	25' - 30'	15'	5'	Deciduous	Upright	Wet/Well-Drained	Medium	Low	
<i>Afrocarpus gracilior</i>	African Fern Pine	Yes	30' - 50'	25' - 35'	15'	5'	Evergreen	Rounded Weeping	Varied	High	High	
<i>Averrhoa carambola</i>	Star Fruit	No	25' - 30'	20' - 30'	15'	5'	Evergreen	Rounded	Well-Drained	Poor	Medium	
<i>Bauhinia x blakeana</i>	Hong Kong Orchid Tree	No	25' - 30'	25' - 35'	15'	5'	Evergreen	Spreading	Moist/Well-Drained	Poor	Low	
<i>Brachychiton rupestris</i>	Queensland Bottle Tree	Yes	30'	15'	15'	5'	Deciduous	Upright Bulbous trunk	Moist to Dry	High	Low	
<i>Carpinus caroliniana</i>	v Blue Beech	Yes	20' - 40'	20' - 40'	15'	5'	Deciduous	Upright Oval	Moist/Well-Drained	Medium	High	
<i>Citharexylum spinosum</i>	Fiddlewood	No	15' - 35'	10' - 25'	15'	5'	Evergreen	Rounded Vase	Moist/Well-Drained	Medium	Medium	

<i>Cocculus laurifolius</i>	Snail Seed	Yes	20' - 25'	20' - 25'	15'	5'	Evergreen	Spreading	Well-Drained	Medium	Medium
<i>Cupressus arizonica</i>	Arizona Cypress	No	30' - 40'	15' - 25'	15'	5'	Evergreen	Columnar	Well-Drained	Medium	Low
<i>Diospyros virginiana</i>	v American Persimmon	No	40' - 60'	20' - 35'	15'	5'	Deciduous	Rounded	Moist/Well-Drained	Low	Medium
<i>Elaeocarpus decipiens</i>	Japanese Blueberry	No	25' - 35'	15' - 25'	15'	5'	Evergreen	Rounded	Well-Drained	Medium	Medium
<i>Eriobotrya japonica</i>	Loquat	Yes	20' - 30'	20' - 30'	15'	5'	Evergreen	Round Vase	Moist/Well-Drained	Low	Low
<i>Erythrina caffra</i>	South African Coral Tree	Yes	25' - 40'	25'	15'	5'	Deciduous	Vase	Moist to Dry	High	Medium
<i>Erythrina lysistemon</i>	Sacred Coral Tree	Yes	30'	10' - 30'	15'	5'	Deciduous	Spreading Vase	Moist to Dry	High	Medium
<i>Gordonia lasianthus</i>	v Loblolly Bay	No	30' - 40'	10' - 20'	15'	5'	Evergreen	Narrow Conical	Wet	Low	High
<i>Handroanthus impetiginosus</i>	Purple Trumpet Tree	Yes	20' - 30'	15' - 25'	15'	5'	Deciduous	Rounded	Varied	Medium	Low
<i>Handroanthus umbellatus</i>	Yellow Trumpet Tree	Yes	20' - 30'	20' - 30'	15'	5'	Semi-Deciduous	Rounded	Varied	High	Low



<i>Hovenia dulcis</i>		Japanese Raisin Tree	Yes	20' - 40'	30' - 40'	15'	5'	Deciduous	Open Oval	Moist/Well-Drained	Medium	High
<i>Ilex cassine</i>	v	Dahoon Holly	No	20' - 30'	8' - 12'	15'	5'	Evergreen	Upright Dense	Wet/Well-Drained	Medium	High
<i>Jacaranda cuspidifolia</i>		Cuspidateleaf Jacaranda	Yes	25' - 35'	15' - 30'	15'	5'	Deciduous	Rounded Open Habit	Well-Drained	Medium	Medium
<i>Jacaranda mimosifolia</i>		Jacaranda	No	25' - 50'	25' - 60'	15'	5'	Deciduous	Rounded Open Habit	Well-Drained	Medium	Low
<i>Juniperus virginiana</i> var. <i>silicicola</i>	v	Southern Red Cedar	Yes	30' - 40'	20' - 30'	15'	5'	Evergreen	Conical to Rounded (old)	Varied	High	Medium
<i>Lagerstroemia indica</i> 'Asuka Dwarf Hybrid' x <i>L. fauriei</i> (1972)		'Apalachee' Hybrid Crape Myrtle	Yes	15' - 25'	12' - 20'	15'	5'	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia indica</i> x <i>L. fauriei</i> 'Basham's Party Pink' Hybrid Crape Myrtle - (Chance Seedling 1963)		'Basham's Party Pink' Hybrid Crape Myrtle	Yes	15' - 30'	12' - 15'	15'	5'	Deciduous	Rounded	Varied	High	High
[ <i>Lagerstroemia indica</i> 'Dwarf Red' x <i>L. fauriei</i> ] x [ <i>L. indica</i> 'Low Flame' x <i>L. fauriei</i> ] (1972)		'Biloxi' Hybrid Crape Myrtle	Yes	15' - 25'	15' - 25'	15'	5'	Deciduous	Vase	Varied	High	High
<i>Lagerstroemia fauriei</i> 'Fantasy' (Late 1950's)		'Fantasy' Japanese Crape Myrtle	Yes	15' - 35'	15' - 35'	15'	5'	Deciduous	Vase	Varied	High	High

<i>Lagerstroemia indica</i> 'Glendora White' (Chance Seedling 1957)	'Glendora White' Common Crape Myrtle	Yes	15' - 25'	15' - 20'	15'	5'	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia fauriei</i> 'Kiowa' (Japan, 1968)	'Kiowa' Japanese Crape Myrtle	Yes	15' - 26'	15' - 24'	15'	5'	Deciduous	Vase	Varied	High	High
<i>Lagerstroemia indica</i> 'Pink Lace' x <i>L. fauriei</i> (1964)	'Muskogee' Hybrid Crape Myrtle	Yes	15' - 25'	15' - 20'	15'	5'	Deciduous	Rounded	Varied	High	High
<i>Lagerstroemia indica</i> 'Pink Lace' x <i>L. fauriei</i> (1969)	'Natchez' Hybrid Crape Myrtle	Yes	15' - 30'	15' - 35'	15'	5'	Deciduous	Rounded Vase	Varied	High	High
<i>Lagerstroemia indica</i> 'Potomac' (1962)	'Potomac' Common Crape Myrtle	Yes	15' - 25'	15' - 20'	15'	5'	Deciduous	Rounded	Varied	High	High
<i>Lagerstroemia</i> Hybrid 5570 EL (US National Arboretum 1992-1993)	'Sarah's Favorite' Hybrid Crape Myrtle	Yes	18' - 30'	20' - 35'	15'	5'	Deciduous	Rounded	Varied	High	High
<i>Lagerstroemia fauriei</i> 'Fantasy' (Chance Seedling 1981)	'Townhouse' Japanese Crape Myrtle	Yes	18' - 30'	15' - 20'	15'	5'	Deciduous	Vase	Varied	High	High
<i>Michelia x alba</i>	White Perfume Tree	Yes	50'	20' - 30'	15'	5'	Evergreen	Pyramidal	Moist to Well-Drained	Low	Medium
<i>Morus rubra</i>	v Red Mulberry	No	30' - 50'	35' - 50'	15'	5'	Deciduous	Rounded	Wet/Well-Drained	Medium	Low

<i>Nageia nagi</i>	Asian Barberry or Broadleaf Podocarpus	Yes	30' - 50'	15' - 25'	15'	5'	Evergreen	Upright	Varied	High	High
<i>Nyssa sylvatica</i>	V Black gum	No	65' - 75'	25' - 35'	30'	8'	Deciduous	Pyramidal Oval	Wet to Moist	Low	Medium
<i>Olea europaea</i>	Olive	Yes	25' - 50'	25' - 35'	15'	5'	Evergreen	Irregular	Well- Drained	High	Medium
<i>Persea americana</i> 'Brogdon'	'Brogdon' Avocado	No	20' - 40'	25' - 35'	15'	5'	Evergreen	Rounded Spreading	Well- Drained	Medium	Low
<i>Persea americana</i> 'Fuerte'	'Fuerte' Avocado	No	20' - 40'	25' - 35'	15'	5'	Evergreen	Rounded Spreading	Well- Drained	Medium	Low
<i>Persea americana</i> 'Hall'	'Hall' Avocado	No	20' - 40'	25' - 35'	15'	5'	Evergreen	Rounded Spreading	Well- Drained	Medium	Low
<i>Pithecellobium flexicaule</i>	Texas Ebony	Yes	25' - 30'	20' - 30'	15'	5'	Evergreen	Rounded	Well- Drained to Dry	High	High
<i>Platycladus orientalis</i>	Arborvitae	No	30' - 50'	15' - 20'	15'	5'	Evergreen	Conical Upright	Varied	Medium	Medium
<i>Podocarpus henkelii</i>	Long-Leafed Yellow-Wood	Yes	25' - 35'	15' - 25'	15'	5'	Evergreen	Conical Pyramid	Moist/Well- Drained	Low	High
<i>Podocarpus macrophyllus</i>	Yew Plum Pine	Yes	30' - 50'	15' - 25'	15'	5'	Evergreen	Upright	Varied	High	High

<i>Quercus austrina</i>	v	Bluff Oak	Yes	40' - 60'	30' - 40'	15'	5'	Deciduous	Broad Pyramidal	Moist/Well-Drained	Medium	High
<i>Quercus geminata</i>	v	Sand Live Oak	Yes	20' - 50'	20' - 50'	15'	5'	Evergreen	Irregular Rounded	Well-Drained to Dry	High	High
<i>Quercus incana</i>	v	Bluejack Oak	No	30' - 55'	25' - 45'	15'	5'	Deciduous	Rounded	Well-Drained to Dry	High	High
<i>Quercus margarettae</i>	v	Sand Post Oak	Yes	35' - 50'	25' - 40'	15'	5'	Deciduous	Rounded	Well-Drained to Dry	High	High
<i>Quercus marilandica</i>	v	Blackjack Oak	Yes	30' - 40'	20' - 30'	15'	5'	Deciduous	Rounded	Well-Drained to Dry	High	High
<i>Quercus michauxii</i>	v	Swamp Chestnut Oak	Yes	60' - 80'	30' - 50'	15'	5'	Deciduous	Narrow Pyramidal	Moist/Well-Drained	Medium	High
<i>Quercus nuttallii</i>		Nuttall Oak	Yes	50'	40'	15'	5'	Deciduous	Upright	Moist/Well-Drained	Medium	Medium
<i>Quercus stellata</i>	v	Post Oak	Yes	20' - 40'	15' - 25'	15'	5'	Deciduous	Irregular	Varied	High	High
<i>Salix babylonica</i>		Weeping Willow	No	30' - 50'	30' - 50'	15'	5'	Deciduous	Rounded Weeping	Wet/Well-Drained	Low	Low
<i>Salix caroliniana</i>	v	Coastal Plain Willow	No	30'	20' - 25'	15'	5'	Deciduous	Rounded Spreading	Wet/Well-Drained	Low	Low

<i>Tabebuia caraiba</i>		Silver Trumpet Tree	Yes	15' - 25'	10' - 15'	15'	5'	Deciduous	Irregular Oval	Varied	High	Low
<i>Taxodium ascendens</i>	v	Pond Cypress	Yes	60' - 80'	15' - 30'	15'	5'	Deciduous	Conical Upright	Wet/Well-Drained	Medium	High
<i>Taxodium distichum</i>	v	Bald Cypress	Yes	60' - 80'	15' - 30'	15'	5'	Deciduous	Conical Upright	Wet/Well-Drained	Medium	High

Small 'C' Trees											
Botanical Name v = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/Sewer Offset	Deciduous/Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Callistemon citrinus</i>	Lemon Bottlebrush	Yes	15' - 25'	15' - 25'	None	None	Evergreen	Upright	Moist/Well-Drained	Medium	Medium
<i>Callistemon rigidus</i>	Stiff Bottlebrush	Yes	15' - 20'	10' - 15'	None	None	Evergreen	Upright	Moist/Well-Drained	Medium	Medium
<i>Callistemon viminalis</i>	Weeping Bottlebrush	No	20' - 30'	15' - 25'	None	None	Evergreen	Weeping	Moist/Well-Drained	High	Medium
<i>Camellia sansanqua</i>	Sansanqua Tree	No	15' - 20'	15' - 20'	None	None	Evergreen	Rounded	Well-Drained	Medium	Medium
<i>Chionanthus retusus</i>	Chinese Fringetree	No	10' - 20'	10' - 20'	None	None	Deciduous	Rounded Spreading	Well-Drained	Medium	High

<i>Chionanthus retusus</i> 'Tokyo Tower'		'Tokyo Tower' Fringetree	Yes	10' - 15'	4' - 6'	None	None	Deciduous	Upright Columnar	Well-Drained	Medium	Medium
<i>Cordia boissieri</i>		Texas Olive or White Geiger	Yes	15' - 20'	10' - 15'	None	None	Evergreen	Rounded	Well-Drained	High	High
<i>Eugenia foetida</i>	v	Simpson Stopper	Yes	10' - 20'	10' - 15'	None	None	Evergreen	Rounded Spreading	Moist/Well-Drained	High	Medium
<i>Ilex cornuta</i> 'Burfordii'		Burford Holly	Yes	15' - 25'	15' - 25'	None	None	Evergreen	Rounded	Moist/Well-Drained	Medium	High
<i>Ilex vomitoria</i>	v	Yaupon Holly	Yes	15' - 20'	15' - 20'	None	None	Evergreen	Rounded Vase	Varied	Medium	High
<i>Ilex vomitoria pendula</i>	v	Weeping Yaupon Holly	Yes	15' - 30'	8' - 12'	None	None	Evergreen	Upright Weeping	Varied	Medium	High
<i>Lagerstroemia indica</i>		Common Crape Myrtle	Yes	10' - 30'	15' - 25'	None	None	Deciduous	Vase	Varied	High	High
[ <i>Lagerstroemia indica</i> 'Pink Ruffles' x <i>L. indica</i> ] x <i>L. fauriei</i> (1969)		'Acoma' Hybrid Crape Myrtle	Yes	6' - 12'	6' - 10'	None	None	Deciduous	Weeping	Varied	High	High
[ <i>Lagerstroemia 'Tuscarora'</i> x ( <i>L. indica</i> 'Red' x <i>L. indica</i> 'Carolina Beauty')) x [ <i>L. limii</i> x <i>L. indica</i> 'Asuka Dwarf Hybrid'] (1989)		'Arapaho' Hybrid Crape Myrtle	Yes	12' - 20'	8' - 10'	None	None	Deciduous	Upright	Varied	High	High

<i>Lagerstroemia indica</i> 'Centennial' (1962)	'Centennial' Common Crape Myrtle	Yes	10' - 20'	10' - 15'	None	None	Deciduous	Rounded	Varied	High	High
<i>Lagerstroemia indica</i> 'Hardy Red' x <i>L. indica</i> 'Low Flame' (1970)	'Cherokee' Common Crape Myrtle	Yes	12' - 15'	6' - 10'	None	None	Deciduous	Vase	Varied	High	High
<i>Lagerstroemia indica</i> 'Dark Red' x [ <i>L. indica</i> x <i>L. fauriei</i> ] (1969)	'Comanche' Hybrid Crape Myrtle	Yes	12' - 20'	10' - 15'	None	None	Deciduous	Rounded Spreading	Varied	High	High
<i>Lagerstroemia indica</i> 'Whit II' (1987)	Dynamite® Common Crape Myrtle	Yes	15' - 20'	12' - 18'	None	None	Deciduous	Upright	Varied	High	High
<i>Lagerstroemia indica</i> 'Hope' (1963)	'Hope' Common Crape Myrtle	Yes	6' - 12'	6' - 10'	None	None	Deciduous	Open	Varied	High	High
[ <i>Lagerstroemia indica</i> 'Pink Lace' x <i>L. fauriei</i> ] x <i>L. indica</i> 'Alba Nana' (1972)	'Hopi' Hybrid Crape Myrtle	Yes	8' - 12'	6' - 10'	None	None	Deciduous	Upright Spreading	Varied	High	High
[ <i>Lagerstroemia indica</i> 'Dwarf Red' x <i>L. fauriei</i> ] x [( <i>L. indica</i> 'Pink Lace' x <i>L. fauriei</i> ) x <i>L. 'Basham's Party Pink'</i> ] (1975)	'Lipan' Hybrid Crape Myrtle	Yes	13' - 20'	10' - 15'	None	None	Deciduous	Upright	Varied	High	High
[ <i>Lagerstroemia indica</i> 'Pink Lace' x <i>L. fauriei</i> ] x [ <i>L. indica</i> 'Firebird' x ( <i>L. indica</i> x <i>L. fauriei</i> )] (1972)	'Miami' Hybrid Crape Myrtle	Yes	15' - 20'	12' - 15'	None	None	Deciduous	Upright	Varied	High	High

<i>Lagerstroemia indica</i> 'Near East' (1870)	'Near East' Common Crape Myrtle	Yes	15' - 20'	10' - 12'	None	None	Deciduous	Rounded	Varied	High	High
[ <i>Lagerstroemia indica</i> 'Dwarf Red' x <i>L. fauriei</i> ] x [ <i>L. indica</i> 'Pink Lace' x <i>L. fauriei</i> ] (1972)	'Osage' Hybrid Crape Myrtle	Yes	12' - 20'	10' x 15'	None	None	Deciduous	Rounded	Varied	High	High
[ <i>Lagerstroemia indica</i> 'Dwarf red' x <i>L. fauriei</i> ] x [ <i>L. indica</i> 'Dark Red' x <i>L. fauriei</i> ] (1972)	'Pecos' Hybrid Crape Myrtle	Yes	8' - 12'	6' - 10'	None	None	Deciduous	Vase	Varied	High	High
<i>Lagerstroemia indica</i> 'PIILAG-III' RED ROOSTER™ (2014)	'Red Rooster®' Hybrid Crape myrtle	Yes	8' - 10'	4' - 5'	None	None	Deciduous	Upright	Varied	High	High
[ <i>Lagerstroemia indica</i> 'Dwarf Red' x <i>L. fauriei</i> ] x [ <i>L. indica</i> 'Pink Lace' x <i>L. fauriei</i> ] (1972)	'Sioux' Hybrid Crape Myrtle	Yes	12' - 20'	10' - 15'	None	None	Deciduous	Upright Spreading	Varied	High	High
[[ <i>Lagerstroemia indica</i> 'Pink Lace' x <i>L. fauriei</i> ] x <i>L. indica</i> 'Catawba'] x <i>L. 'Tuscarora'</i> (1974)	'Tonto' Hybrid Crape Myrtle	Yes	6' - 12'	6' - 10'	None	None	Deciduous	Rounded	Varied	High	High
<i>L. indica</i> 'Dallas Red' x ( <i>L. indica</i> x <i>L. fauriei</i> ) 'Basham's Party Pink' (1968)	'Tuskegee' Hybrid Crape Myrtle'	Yes	10' - 18'	15' - 20'	None	None	Deciduous	Vase	Varied	High	High



<i>(L. indica</i> 'Pink Lace' x <i>L. fauriei</i> ) x [ <i>L. amabilis</i> x ( <i>L. indica</i> 'Hardy Light Pink' x <i>L. indica</i> 'Red')]		'Yuma' Hybrid Crape Myrtle	Yes	12' - 20'	12' - 20'	None	None	Deciduous	Rounded	Varied	High	High
<i>[L. indica</i> 'Pink Lace' x <i>L. fauriei</i> ] x [ <i>L. indica</i> 'Firebird' x ( <i>L. indica</i> x <i>L. fauriei</i> )] (1972)		'Wichita' Hybrid Crape Myrtle	Yes	15' - 20'	8' - 11'	None	None	Deciduous	Upright	Varied	High	High
<i>Ligustrum japonicum</i>		Waxleaf Privet	Yes	10' - 15'	15' - 20'	None	None	Evergreen	Rounded Spreading	Moist/Well-Drained	Medium	High
<i>Prunus angustifolia</i>	v	Chickasaw Plum	No	12' - 20'	15' - 20'	None	None	Deciduous	Rounded Spreading	Moist to Dry	High	Medium
<i>Prunus umbellata</i>	v	Flatwoods Plum	No	15' - 20'	15' - 20'	None	None	Deciduous	Rounded	Well-Drained	Medium	High
<i>Quercus myrtifolia</i>	v	Myrtle Oak	Yes	15' - 20'	8' - 10'	None	None	Evergreen	Upright Spreading	Well-Drained to Dry	High	High
<i>Viburnum odorotissimum</i> 'Awabuki'		'Awabuki' Sweet Viburnum	No	15' - 20'	15' - 20'	None	None	Evergreen	Rounded	Well-Drained	Medium	High

ATTACHMENT "D"

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TABLE 4.5-7 QUALIFIED PALMS

Botanical Name = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<b>"D" PALMS</b>											
<i>Bismarkia nobilis</i> 'Silver'	Silver Bismark Palm	No	30'-60'	10'-20'	30'	5'	Evergreen	Upright Palm	Varied	High	High
<i>Phoenix canariensis</i>	Canary Island Date Palm	No	40'-60'	15'-25'	30'	5'	Evergreen	Upright with long fronds	Varied	High	High
<i>Phoenix reclinata</i> 'X'	Senegal Date Palm	No	25'-30'	10'-20'	30'	5'	Evergreen	Upright with long fronds	Varied	High	High
<i>Phoenix rupicola</i>	Cliff Date Palm	No	40'-60'	10'-20'	30'	5'	Evergreen	Upright with long fronds	Varied	High	High
<i>Phoenix sylvestris</i>	Sylvester Palm	No	40'-50'	10'-20'	30'	5'	Evergreen	Upright with long fronds	Varied	High	High
<i>Syagrus romanzoffiana</i>	Queen Palm	No	30'-50'	15'-20'	30'	5'	Evergreen	Upright with long fronds	Varied	High	High
<i>Archontophoenix alexandrae</i>	Alexandra Palm	No	60'-90'	5'-10'	15'	5'	Evergreen	Upright Palm	Varied	High	High
<i>Archontophoenix cunninghamiana</i>	Picabeen Palm	No	30'-40'	10'-15'	15'	5'	Evergreen	Upright Palm	Varied	High	High

TABLE 4.5-7 QUALIFIED PALMS

Botanical Name = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/ Sewer Offset	Deciduous/ Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Butia capitata</i>	Pindo Palm	No	15'-25'	10'-15'	15'	5'	Evergreen	Upright Palm	Varied	High	High
<i>Livistonia chinensis</i>	Chinese Fan Palm	No	30'-50'	5'-10'	15'	5'	Evergreen	Upright Palm	Varied	High	High
<i>Livistonia decipiens</i>	Ribbon Palm	No	30'-50'	5'-10'	15'	5'	Evergreen	Upright Palm	Varied	High	High
<i>Livistonia nitida</i>	Ribbon Palm	No	30'-50'	5'-10'	15'	5'	Evergreen	Upright Palm	Varied	High	High
<i>Sabal causiarum</i>	Hat Palm	No	40'-50'	10'-15'	15'	5'	Evergreen	Upright Palm	Varied	High	High
<i>Sabal balckburiana</i>	Hat Palm	No	40'-50'	10'-15'	15'	5'	Evergreen	Upright Palm	Varied	High	High
<i>Sabal palmetto</i>	✓ Cabbage Palm	No	30'-80'	10'-15'	15'	5'	Evergreen	Upright Palm	Varied	High	High
<i>Washingtonia filifera</i>	California Fan Palm	No	40'-50'	10'-15'	15'	5'	Evergreen	Upright Palm	Varied	High	High
<i>Washingtonia robusta</i>	Petticoat Palm	No	40'-60'	10'-15'	15'	5'	Evergreen	Upright Palm	Varied	High	High

Table 4.5-7 Qualified Palms

<b>"D" Palms with Large Crowns</b>											
Botanical Name √ = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/Sewer Offset	Deciduous/Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Archontophoenix alexandrae</i>	Alexandra Palm or King Palm	No	50' - 100'	15' - 20'	30'	5'	Evergreen	Upright Single Trunk Self-Cleaning	Moist/Well-Drained	Medium	High
<i>Archontophoenix cunninghamiana</i>	Picabeen Palm or Bungalow Palm	No	60' - 80'	15' - 20'	30'	5'	Evergreen	Upright Single Trunk Self-Cleaning	Moist/Well-Drained	Medium	High
<i>Archontophoenix myolensis</i>	Myola Palm	No	45' - 65'	15' - 20'	30'	5'	Evergreen	Upright Single Trunk Self-Cleaning	Moist/Well-Drained	Medium	High
<i>x Butiagrus nabonnandii</i>	Mule Palm	No	30' - 40'	15' - 20'	30'	5'	Evergreen	Upright Long Fronds Single Trunk	Varied	High	High
<i>Phoenix reclinata</i>	Senegal Date Palm	No	25' - 35'	10' - 20'	30'	5'	Evergreen	Upright Long Fronds Clumping	Varied	High	High
<i>Phoenix rupicola</i>	Cliff Date Palm	No	15' - 20'	15' - 25'	30'	5'	Evergreen	Upright Long Fronds Single Trunk	Varied	High	High

<i>Phoenix sylvestris</i>	Sylvester Palm	No	40' - 50'	15' - 25'	30'	5'	Evergreen	Upright Long Fronds Single Trunk	Varied	High	High
<i>Sabal causiarum</i>	Puerto Rican Hat Palm	No	40' - 50'	15' - 20'	30'	5'	Evergreen	Upright Single Trunk	Varied	High	High
<i>Sabal uresana</i>	Sonoran Palmetto	No	30'	15' - 25'	30'	5'	Evergreen	Upright Single Trunk	Varied	High	High
<i>Sabal</i> 'Riverside' (Unknown Parentage)	Riverside Sabal Palm	No	40'	20' - 35'	30'	5'	Evergreen	Upright Single Trunk	Varied	High	High
<i>Syagrus romanzoffiana</i>	Queen Palm	No	30' - 50'	15' - 25'	30'	5'	Evergreen	Upright Long Fronds Single Trunk	Varied	High	High
<i>Syagrus romanzoffiana</i> x <i>S. schizophylla</i>	Coco Queen Palm	No	30' - 40'	15' - 25'	30'	5'	Evergreen	Upright Long Fronds Single Trunk	Varied	High	High
<i>Washingtonia filifera</i>	California Fan Palm	No	40' - 50'	10' - 20'	30'	5'	Evergreen	Upright Single Trunk	Varied	High	High

<b>"D" Palms with Small Crowns</b>											
Botanical Name √ = Native	Common Name	Street Tree	Mature Height	Mature Spread	Power Line Offset	Water/Sewer Offset	Deciduous/Evergreen	Growth Habit	Soil Moisture	Drought Tolerance	Wind Resistance
<i>Copernicia alba</i>	Carnadaya Palm	No	42'	6' - 10'	15'	5'	Evergreen	Upright Single Trunk	Varied	High	High
<i>Copernicia prunifera</i>	Carnauba Wax Palm	No	12' - 30'	10' - 15'	15'	5'	Evergreen	Upright Single Trunk	Varied	High	High
<i>Livistona australis</i>	Australian Fan Palm	No	40' - 82'	10' - 15'	15'	5'	Evergreen	Upright Single Trunk	Varied	High	High
<i>Livistona chinensis</i>	Chinese Fan Palm	No	30' - 50'	5' - 10'	15'	5'	Evergreen	Upright Single Trunk	Varied	High	High
<i>Livistona decora</i>	Ribbon Palm	No	40' - 60'	10' - 15'	15'	5'	Evergreen	Upright Single Trunk	Varied	High	High
<i>Livistona muelleri</i>	Cairns Fan Palm	No	25' - 45'	10' - 15'	15'	5'	Evergreen	Upright Single Trunk	Varied	Medium	High
<i>Livistona nitida</i>	Carnavon Gorge Palm	No	50' - 100'	10' - 15'	15'	5'	Evergreen	Upright Single Trunk	Varied	High	High
<i>Sabal blackburniana</i>	Blackburn's Sabal Palm	No	20'	10' - 15'	15'	5'	Evergreen	Upright Single Trunk	Varied	High	High

<i>Sabal palmetto</i>	√	Cabbage Palm	No	30' - 80'	10' - 15'	15'	5'	Evergreen	Upright Single Trunk	Varied	High	High
<i>Washingtonia robusta</i>		Mexican Fan Palm	No	40' - 80'	10' - 15'	15'	5'	Evergreen	Upright Single Trunk	Varied	High	High

## ATTACHMENT "E"

TABLE 4.5-8 QUALIFIED SHRUBS, FLOWERS AND GROUNDCOVERS

Botanical Name		Common Name	Light Intensity	Flower Season
v = Native				
GROUNDCOVERS FOR NORMAL TO WET SITES				* Subject to freeze damage
<i>Acrostichum danaeifolium</i>	v	Giant Leather Fern	Low	NA
<i>Ajuga reptans</i>		Ajuga	Partial	Spring
<i>Andropogon virginicus</i>		Broomsedge	Full	Fall
<i>Asparagus aethiopicus</i> 'Myers'		Foxtail Fern	Partial	NA
<i>Asparagus densiflorus</i>		Sprengeri Fern	Partial	NA
<i>Asplenium nidus</i>		Bird's nest Fern	Low/Partial	NA
<i>Bacopa monnieri</i>		Smooth Water-hyssop	Full	
<i>Blechnum serrulatum</i>	v	Swamp Fern	Partial/Full	NA
<i>Chasmanthium latifolium</i>		Broadleaf Woodoats	Full	
<i>Cuphea hyssopifolia</i>		False Heather	Full	Spring/Summer
<i>Cyrtomium falcatum</i>		Holly Fern	Low	NA
<i>Distichlis spicata</i>		Grass Salt	Full	
<i>Eremochloa ophiuroides</i>		Grass Centipede	Full	NA
<i>Evolvulus glomerata</i>		Blue Daze	Full	Summer
<i>Ficus pumila</i>		Creeping Fig	Partial	NA
<i>Juniperus procumbens</i>		Juniper Japanese Garden	Full	NA
<i>Mimosa strigillosa</i>	v	Powderpuff	Full	
<i>Muhlenbergia capillaris</i>	v	Grass, Muhly	Full	Summer
<i>Nephrolepis biserrata</i>	v	Giant Sword Fern	Partial	NA
<i>Nephrolepis exaltata</i>	v	Boston Fern	Partial	NA
<i>Osmunda cinnamomea</i>	v	Cinnamon Fern	Low	NA
<i>Osmunda regalis</i>	v	Royal Fern	Low/Partial	NA



TABLE 4.5-8 QUALIFIED SHRUBS, FLOWERS AND GROUNDCOVERS

Botanical Name √ = Native	Common Name	Light Intensity	Flower Season
<i>Panicum hemitomon</i>	Maidencane	Full	
<i>Rumohra adiantiformis</i>	Leatherleaf Fern	Partial/Full	NA
<i>Sophastrum secundatum</i> √	Grass, Lopsided Indian	Full	
<i>Spartina alterniflora</i> √	Grass, Smooth Cord	Full	
<i>Stachytarpheta Jamaicensis</i> √	Porterweed	Full	Summer
<i>Tetrastigma voinerianum</i> *	Grape Ivy	Low/Partial	NA
<i>Thelypteris kunthii</i>	Southernshield Fern		NA
<i>Trachelospermum asiaticum</i>	Jasmine Asiatic	Partial	NA
<i>Tradescantia pallida</i>	Purple Queen	Low	
<i>Various species</i> * √	Bromeliad	Low	VARIES
<b>GROUND COVERS FOR NORMAL TO DRY SITES</b>			* Subject to freeze damage
<i>Aspidistra elatior</i>	Cast Iron Plant	Full	NA
<i>Cynodon dactylon</i>	Grass, Bermuda	Full	NA
<i>Dianella tasmanica</i>	Flax Lily	Full	
<i>Eragrostis spectabilis</i> √	Grass, Purple Love	Full	
<i>Gelsemium sempervirens</i> √	Carolina Jasmine	Full	Summer
<i>Helianthus debilis</i> √	Beach Sunflower	Full	
<i>Hypericum reductum</i> √	St. John's Wort	Full	
<b>FLOWERS FOR NORMAL TO DRY SITES</b>			* Subject to freeze damage
<i>Lupinus diffusus</i>	Lupine, Sky-blue	Full	
<i>Monarda punctata</i>	Dotted Horsemint	Full	
<i>Neomarica spp</i>	Iris, walking	Full	
<i>Perstemon multiflorus</i>	Beardtongue, White	Full	
<i>Pentas lanceolata</i>	Pentas	Full	Summer/Spring

TABLE 4.5-8 QUALIFIED SHRUBS, FLOWERS AND GROUNDCOVERS

Botanical Name v = Native	Common Name	Light Intensity	Flower Season
<i>Phlox divaricata</i>	Phlox, Woodland	Full	Winter
<i>Phlox drummondii</i>	Phlox, Garden	Full	Winter
<i>Pityopsis graminifolia</i>	Silkgrass	Full	
<i>Portulaca grandiflora</i>	Moss Rose or Portulaca	Full	Summer
<i>Ruellia caroliniensis</i>	Wild Petunia	Full	Spring/Summer
<i>Salvia splendens</i>	Sage, Tropical	Full	Winter
<i>Senecio cineraria</i>	Dusty-miller	Full	Winter
<i>Stokesia laevis</i>	Aster, Stokes'	Full	Winter
<i>Tithonia diversifolia</i>	Mexican Sunflower	Full	Winter
<i>Tithonia rotundifolia</i>	Mexican Zinnia	Full	Winter
<i>Verbena bonariensis</i>	Verbena, Purpletop or Roadside	Full	Winter
<i>Yucca spp</i>	Yucca	Full	Summer
<b>SHRUBS FOR NORMAL TO WET SITES</b>			* Subject to freeze damage ^ Recommended for vehicle use areas
<i>Acalypha hispida</i>	Chenille Plant	Full	Summer
<i>Acca sellowia</i>	Pineapple Guava	Full	
<i>Agarista populifolia</i>	Pipestem	Low/Partial	
<i>Brunfelsia grandiflora</i>	Yesterday Today Tomorrow	Partial	Spring
<i>Calycanthus floridus</i> v	Sweet Shrub	Partial/Full	Summer
<i>Clerodendrum quadriloculare</i> Brandonii*	Variiegated Shooting Star	Partial/Full	Summer
<i>Clerodendrum quadriloculare</i> *	Shooting Star	Full	Summer
<i>Clethra alnifolia</i> v	Sweet Pepperbush	Full	Spring
<i>Cocculus laurifolius</i>	Snailseed		
<i>Conocarpus erectus</i> * v	Silver Buttonwood	Full	NA

TABLE 4.5-8 QUALIFIED SHRUBS, FLOWERS AND GROUNDCOVERS

Botanical Name √ = Native	Common Name	Light Intensity	Flower Season
<i>Cyrilla racemiflora</i> √	Titi	Fall/Low	Summer
<i>Elaeocarpus decipiens</i>	Japanese Blueberry	Full	NA
<i>Galphimia gracilis</i>	Thryallis	Full	Summer
<i>Gardenia augusta</i>	Gardenia, Cape Jasmine	Full	Spring
<i>Hamelia patens</i> √	Firebush	Full/Partial	Summer
<i>Hibiscus rosa-sinensis</i>	Hibiscus	Full	Spring
<i>Hydrangea macrophylla</i>	Hydrangea	Partial	Summer
<i>Llex crenata</i> <sup>^</sup>	Japanese Holly	Full/Partial	NA
<i>Llex glabra</i> √	Galberry	Full	NA
<i>Jasminum mesnyi</i>	Jasmine	Full	NA
<i>Jasminum multiflorum</i>	Downy Jasmine	Full	Summer
<i>Juniperus chinensis</i>	Chinese Juniper	Full	NA
<i>Lyonia lucida</i> √	Lyonia Shiny	Full/Partial	
<i>Myrica cerifera</i> √	Wax Myrtle	Full/Partial	
<i>Odontonema cuspidata</i>	Firespike	Full	Spring
<i>Osmanthus fragrans</i>	*Sweel Olive	Full	NA
<i>Philodendron spp</i> <sup>*</sup>	Philodendron, 'Xanadu'	Low	Fall/Winter
<i>Plumbago auriculata</i>	Plumbago	Low	NA
<i>Podocarpus macrophyllus</i> <sup>^</sup>	Podocarpus	Full	Spring/Summer
<i>Psychotria nervosa</i> √	Wild Coffee	Low	
<i>Pyracantha coccinea</i>	Firethorn	Low	
<i>Rapanea punctata</i> √	Myrsine	Full	Winter
<i>Raphiolepis indica</i> <sup>^</sup>	Indian Hawthorne	Full	Winter
<i>Rhododendron austrinum</i>	Azalea, Florida Flame	Low	Spring/Summer
<i>Rhododendron Minus</i> 'Chapmanii' √	Chapemans Rhododendron	Low	

TABLE 4.5-8 QUALIFIED SHRUBS, FLOWERS AND GROUNDCOVERS

Botanical Name	Common Name	Light Intensity	Flower Season
<i>Rosa hybrida</i>	Rose, 'Knockout'	Full	
<i>Rosa laevigata</i>	Rose, Charokee	Full	
<i>Hibiscus syriacus</i>	Rose of Sharon	Full	
<i>Robus spp Brazos'</i>	Blackberry	Full	
<i>Percea palustris</i>	Swamp Bay		
<i>Tecoma capensis</i>	Honeysuckle, Cape	Full	Winter
<i>Tibouchina spp</i>	Glory Bush	Full	NA
<i>Tripsacum dactyloides</i>	Fakamathee Grass	Full	
<i>Vaccinium cultivars</i>	Blueberry	Full	
<i>Viburnum obovatum</i>	<i>Viburnum, 'Miss Shiller's Delight'</i>	Full	
<i>viburnum obovatum</i>	<i>Viburnum, 'Walter'</i>	Full	
<i>Viburnum odoratissimum</i>	<i>Viburnum, Sweet</i>	Full	
<i>Viburnum odoratissimum</i>	<i>Viburnum, Mirror Leaf</i>	Full	
<i>'Awabuki'</i>	<i>Viburnum, sandankwa</i>	Full	
<i>Virburnum suspensum</i>	<i>Variegated Ginger</i>	Full/Partial	
<b>SHRUBS FOR NORMAL TO DRY SITES</b>			
		* Subject to freeze damage Recommended for vehicle use areas	
<i>Acalypha wilkesiana</i> *	Copper Plant	Full	NA
<i>Agave americana</i>	Century Plant	Full	Summer
<i>Allamanda cathartica</i> *	Allamanda	Full	Summer
<i>Bougainvillea glabra</i>	Bougainvillea	Full	Spring/Summer
<i>Calliandra americana</i>	American Beautyberry	Partial/Full	Summer
<i>Callistemon citrinus</i>	Bottle Brush, 'Red Cluster'	Full	Summer
<i>Camellia japonica</i>	Camellia	Partial	Winter/Spring

TABLE 4.5-8 QUALIFIED SHRUBS, FLOWERS AND GROUNDCOVERS

Botanical Name		Common Name	Light Intensity	Flower Season
<i>Camellia sasanqua</i>	✓	Camellia	Full	Fall
<i>Coccoloba uvifera</i> *	✓	Sea Grape	Full	Spring
<i>Codiaeum variegatum</i> *		Croton	Partial/Full	NA
<i>Cortaderia Selloana</i>		Pampas Grass	Full	Summer
<i>Crinum asiaticum</i>	✓	Crinum Lily	Partial/Full	Summer/Fall
<i>Duranta erecta</i> *		Duranta, 'Cuban Gold'	Full	Summer
<i>Duranta erecta</i> *		Duranta, 'Gold Mound'	Full	Summer
<i>Duranta erecta</i> *		Duranta, 'Sapphire Showers'	Fall	Summer
<i>Elaeagnus pungens</i> <sup>^</sup>		Silverthorn	Fall	NA
<i>Eugenia uniflora</i> *		Surinam Cherry	Fall	Spring
<i>Hydrangea quefcifolia</i>	✓	Hydrangea Oakleaf	Partial	Spring
<i>Ilex vomitoria</i> <sup>^</sup>	✓	Holly, 'Stoke's Dwarf'	Fall	
<i>Ixora coccinea</i> *		Ixora	Fall	Summer
<i>Jatropha spp</i> *		Jatropha	Fall	Summer
<i>Lantana involucrata</i>	✓	Wild Sage	Fall	Winter/Spring
<i>Lycium carolinianum</i>		Christmas Berry		
<i>Lyonia ferruginea</i>	✓	Lyonia, Rusty		
<i>Malvaviscus arboreus</i>		Turk's Cap		
<i>Nandina domestica</i>		heavenly Bamboo	Fall/Partial	Summer
<i>Nerium oleander</i>		Oleander	Fall	Spring/Summer
<i>Philodendron selloum</i>		Philodendron	Partial	NA
<i>Plumbago auriculata</i> *		Plumbago	Fall	Winter/Spring
<i>Platycladus orientalis</i>		Arbor-vitae, Oriental	Fall	NA
<i>Podocarpus macrophyllus</i>		Podocarpus	Fall/Partial	NA
<i>Rasmarinus officinalis</i>		Rosemary	Fall	NA

TABLE 4.5-8 QUALIFIED SHRUBS, FLOWERS AND GROUNDCOVERS

Botanical Name		Common Name	Light Intensity	Flower Season
v = Native				
<i>Schefflera arbicola</i> *		Dwarf Schefflera	Partial	NA
<i>Severinia buxifolia</i>		Boxthorn		NA
<i>Sophora tomentosa</i>	v	Yellow Necklace Pod		Summer
<i>Vaccinium darrowii</i>	v	Blueberry Darrow's	Fall	Spring
<i>Yucca aloifolia</i>	v	Spanish Bayonet	Fall	Summer

Table 4.5-8 Qualified Shubs, Groundcovers &amp; Flowers

Shrubs				
* Subject to Freeze Damage		** Recommended for Vehicle Use Areas		
Botanical Name √ = Native	Common Name	Light Intensity	Flower Season or Season of Interest	Soil Moisture
<i>Acalypha wilkesiana</i> *	Copper Plant or Jacob's Coat	Full Sun to Partial Shade	Year Round Color	Moist/Well-Drained
<i>Acca sellowiana</i>	Feijoa or Pineapple Guava	Full Sun	Spring to Summer	Well-Drained to Dry
<i>Agave americana</i>	Century Plant	Full Sun	NA	Well-Drained to Dry
<i>Allamanda cathartica</i> *	Allamanda	Full Sun	Year Round	Moist/Well-Drained
<i>Alpinia zerumbet</i> 'Variegata'	Variegated Shell Ginger	Partial Shade	Sporadic	Moist/Well-Drained
<i>Atalantia buxifolia</i> (formerly, <i>Severina buxifolia</i> )	Boxthorn	Full Sun to Partial Shade	NA	Moist to Dry
<i>Brunfelsia grandiflora</i>	Yesterday-Today-and-Tomorrow	Partial Shade	Spring to Fall	Well-Drained
<i>Buxus microphylla</i>	Japanese Boxwood	Full Sun	NA	Moist/Well-Drained
<i>Callicarpa americana</i>	√ American Beautyberry	Full Sun to Partial Shade	Spring to Fall	Moist/Well-Drained
<i>Callistemon viminalis</i> 'Little John'	Dwarf Bottlebrush	Full Sun	Year Round	Moist/Well-Drained

<i>Calycanthus floridus</i>	v	Carolina Allspice or Sweetshrub	Partial Shade to Shade	Spring to Summer	Moist/Well-Drained
<i>Camelia japonica</i>		Japanese Camelia	Partial Shade to Shade	Winter to Spring	Moist/Well-Drained
<i>Camelia sansanqua</i>		Sansanqua Camelia	Full Sun to Partial Shade	Fall to Winter	Moist/Well-Drained
<i>Ceratozamia latifolia</i>		Costilla de león or Mexican Horncone	Full Sun to Partial Shade	NA	Moist/Well-Drained to Dry
<i>Ceratozamia plumosa</i>		Norstog's Horncone (Plumose Form)	Full Sun to Partial Shade	NA	Well-Drained to Dry
<i>Clethra alnifolia</i>	v	Summersweet or Coastal Sweet Pepperbush	Full Sun to Patial Shade	Spring to Summer	Wet to Moist
<i>Coccoloba uvifera</i>	v	Sea Grape	Full Sun to Partial Shade	NA	Moist to Dry
<i>Cocculus laurifolius</i>		Snail Seed	Full Sun to Shade	NA	Well-Drained
<i>Codiaeum variegatum</i> *		Croton	Full Sun to Partial Shade	Year Round Color	Moist/Well-Drained
<i>Conocarpus erectus sericeus</i> *	v	Silver Buttonwood	Full Sun	NA	Moist to Dry
<i>Cortaderia selloana</i>		Pampas Grass	Full Sun	Summer to Fall	Moist/Well-Drained
<i>Cyrilla racemiflora</i>	v	Titi	Full Sun to Partial Shade	Spring to Summer	Moist/Well-Drained
<i>Duranta erecta</i> 'Cuban Gold' *		Golden Dewdrop or Pigeon Berry	Full Sun	Year Round Color	Moist/Well-Drained



<i>Duranta erecta</i> 'Gold Mound' *		Golden Dewdrop or Pigeon Berry	Full Sun	Year Round Color	Moist/Well-Drained
<i>Duranta erecta</i> 'Sapphire Showers' *		Golden Dewdrop or Pigeon Berry	Full Sun	Summer	Moist/Well-Drained
<i>Elaeagnus pungens</i> **		Silverthorn	Full Sun to Partial Shade	NA	Moist to Dry
<i>Elaeocarpus decipiens</i>		Japanese Blueberry	Full Sun to Partial Shade	Spring to Summer	Well-Drained
<i>Encephalartos horridus</i>		Ferocious Blue Cycad or Eastern Cape Blue Cycad	Full Sun	NA	Well-Drained to Dry
<i>Galphimia gracilis</i>		Thryalis or Slender Goldshower	Full Sun to Partial Shade	Year Round	Well-Drained
<i>Gardenia jasminoides</i>		Common Gardenia	Full Sun to Partial Shade	Spring to Fall	Moist/Well-Drained
<i>Hamelia patens</i>	v	Firebush	Full Sun to Partial Shade	Year Round	Moist/Well-Drained
<i>Hibiscus rosa-sinensis</i>		Hibiscus	Full Sun to Partial Shade	Year Round	Moist/Well-Drained
<i>Hibiscus syriacus</i>		Rose of Sharon	Full Sun to Partial Shade	Spring to Summer	Moist/Well-Drained
<i>Hydrangea macrophylla</i>		Hydrangea or French Hydrangea	Full Sun to Partial Shade	Summer	Moist/Well-Drained
<i>Hydrangea quercifolia</i>	v	Oak-Leaf Hydrangea	Full Sun to Partial Shade	Spring to Summer	Moist/Well-Drained
<i>Ilex crenata</i>		Japanese Holly	Full Sun to Partial Shade	NA	Moist/Well-Drained

<i>Ilex glabra</i>	√	Galberry or Inkberry	Full Sun to Partial Shade	NA	Wet to Well-Drained
<i>Ilex vomitoria</i> 'Nana' **	√	'Schilling's Dwarf' Holly	Full Sun to Partial Shade	NA	Moist to Dry
<i>Ixora coccinea</i> *		Ixora or Flame of the Woods	Full Sun to Partial Shade	Year Round	Moist/Well-Drained
<i>Ixora taiwanensis</i> *		Dwarf Ixora or Jungle Flame	Full Sun	Year Round	Moist to Well-Drained
<i>Jasminum multiflorum</i>		Star Jasmine or Downy Jasmine	Full sun to Partial Shade	Fall to Spring	Moist/Well-Drained
<i>Jasminum sambac</i>		Arabian Jasmine	Full Sun to Partial Shade	Summer	Well-Drained
<i>Jatropha integerrima</i> *		Spicy Jatropha or Perigrina	Full Sun to Partial Shade	Year Round	Moist/Well-Drained
<i>Juniperus chinensis</i> 'Spartan'		'Spartan' Chinese Juniper	Full Sun	NA	Well-Drained
<i>Juniperus chinensis</i> 'Torulosa'		'Torulosa' Chinese Juniper	Full Sun	NA	Well-Drained
<i>Lantana involucrata</i>	√	Wild Sage or White Lantana	Full Sun	Year Round	Well-Drained to Dry
<i>Lycium carolinianum</i>	√	Christmasberry	Full Sun to Partial Shade	Year Round	Well-Drained
<i>Lyonia ferruginea</i>	√	Rusty Lyonia or Rusty Fetterbush	Full Sun	Spring	Moist/Well-Drained
<i>Lyonia lucida</i>	√	Fetterbush or Shiny Lyonia	Partial Shade	Spring	Moist/Well-Drained

<i>Malva viscus arboreus</i>		Turk's Cap Mallow	Partial Shade	Spring to Fall	Moist/Well-Drained
<i>Myrica cerifera</i>	✓	Wax Myrtle	Full Sun to Partial Shade	NA	Wet to Well-Drained
<i>Nerium oleander</i>		Oleander	Full Sun to Partial Shade	Spring to Fall	Well-Drained
<i>Odontonema cuspidatum</i>		Firespike or Cardinal's Guard	Full Sun	Summer to Winter	Wet to Well-Drained
<i>Osmanthus fragrans</i>		Tea Olive	Full Sun to Partial Shade	Spring or Fall	Moist/Well-Drained
<i>Philodendron selloum</i>		Split Leaf Philodendron	Partial Shade	NA	Moist/Well-Drained
<i>Plumbago auriculata</i>		Plumbago or Cape Leadwort	Full Sun to Partial Shade	Summer to Fall	Well-Drained
<i>Podocarpus macrophyllus</i> **		Podocarpus or Japanese Yew	Full Sun to Light Shade	NA	Moist to Dry
<i>Psychotria nervosa</i>	✓	Wild Coffee	Partial Sun to Full Shade	Spring to Fall	Moist/Well-Drained
<i>Pyracantha coccinea</i>		Pyracantha or Firethorn	Full Sun to Partial Shade	Spring to Fall	Moist to Dry
<i>Rapanea punctata</i>	✓	Myrcine or Colicwood	Full Sun to Shade	NA	Moist/Well-Drained
<i>Rhaphiolepis indica</i> **		Indian Hawthorn	Full Sun	Spring	Moist to Dry
<i>Rhododendron austrinum</i>	✓	Florida Flame Azalea	Partial Shade	Spring	Moist/Well-Drained

<i>Rhododendron canescens</i>	√	Florida Pinxter Azalea or Honeysuckle Azalea	Partial Shade	Spring	Moist/Well-Drained
<i>Rhododendron indica</i> 'Formosa'		Formosa Azalea	Partial Shade	Spring	Moist/Well-Drained
<i>Rhododendron minus chapmanii</i>	√	Chapman's Rhododendron or Dwarf Rhododendron	Partial Shade	Spring	Moist/Well-Drained
<i>Rhododendron viscosum</i>	√	Swamp Azalea	Partial Shade	Summer to Fall	Moist/Well-Drained
<i>Rosa x</i>		Hybrid Roses	Full Sun	Year Round	Moist/Well-Drained
<i>Rosmarinus officinalis</i>		Rosemary	Full Sun	Spring to Summer	Well-Drained to Dry
<i>Schefflera arbuticola</i> 'Trinette' *		'Trinette' Schefflera	Full Sun to Partial Shade	Year Round Color	Well-Drained
<i>Sophora tomentosa</i>	√	Yellow Necklace Pod	Full Sun	Year Round	Well-Drained to Dry
<i>Thaumatococcus xanadu</i>		Xanadu Philodendron	Full Sun to Shade	NA	Moist/Well-Drained
<i>Tibouchina urvilleana</i>		Princess Flower or Glory Bush	Full Sun to Partial Shade	Year Round	Moist/Well-Drained
<i>Tripsacum dactyloides</i>	√	Fakahatchee Grass or Eastern Gamma Grass	Full Sun to Partial Shade	NA	Moist/Well-Drained
<i>Tripsacum floridanum</i>	√	Dwarf Fakahatchee Grass	Full Sun to Partial Shade	NA	Moist to Dry
<i>Viburnum obovatum</i>	√	Walter's Viburnum	Full Sun to Partial Shade	Spring	Moist/Well-Drained

<i>Viburnum obovatum</i> 'Mrs. Schiller's Delight' **	v	Small Viburnum	Full Sun	Spring	Moist/Well-Drained
<i>Viburnum odorotissimum</i>		Sweet Viburnum	Full Sun to Partial Shade	Spring to Summer	Moist/Well-Drained
<i>Viburnum odorotissimum</i> 'Awabuki'		Mirror Leaf Viburnum or Awabuki Sweet Viburnum	Full Sun to Partial Shade	Spring	Moist/Well-Drained
<i>Yucca aloifolia</i>	v	Spanish Bayonet	Full Sun	Spring to Summer	Well/Drained to Dry
<i>Zamia fischeri</i>		Fischer's Zamia	Partial Shade	NA	Moist/Well-Drained to Dry
<i>Zamia integrifolia</i>	v	Florida Coontie	Full Sun to Shade	NA	Moist to Dry
<i>Zamia vazquezii</i>		Vasquez's Zamia	Partial Shade	NA	Moist/Well-Drained to Dry

### Shrubs Permitted for Backflow Prevention Assemblies' Height Restrictions

\* Subject to Freeze Damage    \*\* Recommended for Vehicle Use Areas

Botanical Name v = Native	Common Name	Light Intensity	Flower Season or Season of Interest	Soil Moisture
<i>Allamanda cathartica</i> 'Compacta' *	"Dwarf Jenny" Allamanda Bush	Full Sun to Partial Shade	Spring to Fall	Moist/Well-Drained
<i>Ceratozamia latifolia</i>	Costilla de león or Mexican Horncone	Full Sun to Partial Shade	NA	Moist/Well-Drained to Dry

<i>Ceratozamia plumosa</i>		Norstog's Horncone (Plumose Form)	Full Sun to Partial Shade	NA	Well-Drained to Dry
<i>Codiaeum variegatum</i> 'Mammy' *		'Mammy' Croton	Full Sun to Partial Shade	Year Round Color	Moist/Well-Drained
<i>Codiaeum variegatum</i> 'Zanzibar' *		'Zanzibar' Croton	Full Sun to Partial Shade	Year Round Color	Moist/Well-Drained
<i>Diets iridioides</i>		African Iris or Butterfly Iris	Full Sun to Partial shade	Year Round	Moist/Well-Drained
<i>Duranta erecta</i> 'Gold Mound' *		Gold Mound	Full Sun to Partial Shade	Year Round Color	Moist/Well-Drained
<i>Galphimia gracilis</i>		Thryalis or Slender Goldshower	Full Sun to Partial Shade	Year Round	Well-Drained
<i>Hamelia patens</i> 'Grelmsiz' LIME SIZZLER PP# 26247 *	v	LIME SIZZLER Firebush	Partial Shade to Shade	Year Round Color	Well-Drained
<i>Ilex glabra</i>	v	Gallberry or Inkberry	Full Sun to Partial Shade	NA	Wet to Well-Drained
<i>Ilex vomitoria</i> 'Nana' **	v	'Schilling's Dwarf' Holly	Full Sun to Partial Shade	NA	Moist to Dry
<i>Ixora taiwanensis</i> *		Dwarf Ixora or Jungle Flame	Full Sun	Year Round	Moist to Well-Drained
<i>Psychotria nervosa</i> *	v	Wild Coffee	Partial Shade	Spring to Fall	Moist/Well-Drained
<i>Raphiolepis indica</i> **		Indian Hawthorne	Full Sun to Partial Shade	Spring	Moist/Well-Drained
<i>Rosmarinus officinalis</i>		Rosemary	Full Sun	Spring to Summer	Well-Drained to Dry

<i>Thaumatococcus</i> <i>xanadu</i>		Xanadu Philodendron	Full Sun to Shade	NA	Moist/Well-Drained
<i>Tripsacum</i> <i>floridanum</i>	✓	Dwarf Fakahatchee Grass or Florida Gammagrass	Full Sun to Partial Shade	Late Spring	Wet/Well-Drained
<i>Zamia integrifolia</i> **	✓	Florida Coontie	Full Sun to Shade	NA	Moist to Dry

Groundcovers					
* Subject to Freeze Damage		** Recommended for Vehicle Use Areas			
Botanical Name ✓ = Native		Common Name	Light Intensity	Flower Season or Season of Interest	Soil Moisture
<i>Acrostichum</i> <i>danaeifolium</i>	✓	Giant Leather Fern	Full Sun to Partial Sun	NA	Moist/Well-Drained
<i>Agave lophantha</i>		Thorncrest Century Plant	Full Sun	NA	Well-Drained to Dry
<i>Ajuga reptans</i>		Carpet Bugle	Partial Sun to Shade	Spring	Moist/Well-Drained
<i>Asparagus densiflorus</i> 'Myersii'		'Myers' Foxtail Fern	Partial Sun	NA	Moist/Well-Drained
<i>Aspidistra elatior</i>		Cast Iron Plant	Partial Sun to Heavy Shade	NA	Moist/Well-Drained
<i>Asplenium nidus</i>		Bird's Nest Fern	Partial Sun to Shade	NA	Moist/Well-Drained
<i>Bacopa monnieri</i>	✓	Herb-of-Grace or Smooth Water Hyssop	Full Sun to Partial Sun	Year Round	Wet to Moist



<i>Chasmanthium latifolium</i>	√	Indian Woodoats	Full Sun to Partial Shade	Late Summer to Early Fall	Moist/Well-Drained
<i>Cuphea hyssopifolia</i>		False Heather	Full Sun	Year Round	Well-Drained
<i>Cynodon dactylon</i>		Common Bermuda Grass	Full Sun	NA	Moist to Dry
<i>Cyrtomium falcatum</i>		Holly Fern	Partial Shade to Full Shade	NA	Well-Drained
<i>Dyschoriste oblongifolia</i>	√	Twin Flower	Full Sun to Partial Shade	Year Round	Moist/Well-Drained
<i>Eragrostis spectabilis</i>	√	Purple Lovegrass	Full Sun	Summer	Well-Drained to Dry
<i>Eremochloa ophiuroides</i>		Centipede Grass	Full Sun	NA	Moist/Well-Drained
<i>Evolvulus glomeratus</i>		Blue Daze	Full Sun	Spring to Fall	Well-Drained
<i>Gelsemium sempervirens</i>	√	Carolina Jessamine	Full Sun	Spring	Well-Drained
<i>Juniperus procumbens</i> 'Nana'		Japanese Garden Juniper	Full Sun	NA	Well-Drained/Dry
<i>Juniperus conferta</i> **		Shore Juniper	Full Sun	NA	Well-Drained to Dry
<i>Juniperus conferta</i> 'Nana' **		Dwarf Shore Juniper	Full Sun	NA	Well-Drained to Dry
<i>Juniperus horizontalis</i> **		Dwarf Japanese Juniper	Full Sun	NA	Well-Drained to Dry













<i>Mimosa strigillosa</i>	✓	Sunshine Mimosa or Sensitive Plant	Full Sun	Spring to Fall	Moist/Well-Drained
<i>Muhlenbergia capillaris</i>	✓	Pink Muhly Grass	Full Sun	Fall	Moist/Well-Drained
<i>Neoregelia</i> 'Donger' Unknown Parentage		'Donger' Neoregelia, Bromeliad	Full Sun to Partial Shade	Year Round Color	Moist/Well-Drained
<i>Neoregelia</i> 'Fireball' Unknown Parentage (1960)		'Fireball' Neoregelia, Bromeliad	Full Sun to Partial Shade	Year Round Color	Moist/Well-Drained
[( <i>Neoregelia carolinae lineata</i> x <i>N. concentrica</i> ) x <i>N. macwilliamsii</i> ] (1996)		'Martin' Neoregelia, Bromeliad	Full Sun to Full Shade	Year Round Color	Moist/Well-Drained
<i>Nephrolepis biserrata</i>	✓	Giant Sword Fern	Partial Sun to Shade	NA	Moist/Well-Drained
<i>Osmunda cinnamomea</i>	✓	Cinnamon Fern	Partial Sun	NA	Moist/Well-Drained
<i>Osmunda regalis</i>	✓	Royal Fern	Full Sun to Shade	NA	Moist/Well-Drained
<i>Rumohra adiantiformis</i>		Leatherleaf Fern	Patial Shade to Full Shade	NA	Moist/Well-Drained
<i>Sorghastrum secundum</i>	✓	Lopsided Indian Grass	Full Sun	Fall	Moist/Well-Drained
<i>Telmatoblechnum serrulatum</i>	✓	Swamp Fern	Full Sun to Full Shade	NA	Moist
<i>Tetrastigma voinierianum</i> *		Giant Grape Ivy or Chestnut Vine	Partial Shade to Full Shade	NA	Moist/Well-Drained
<i>Thelypteris kunthii</i>		Southern Shield Fern or Kunth's Maiden Fern	Partial Shade to Full Shade	NA	Moist/Wet

<i>Trachelospermum asiaticum</i>	Asiatic Jasmine or Minima Jasmine	Full Sun to Partial Shade	Sporadic	Moist/Well-Drained
<i>Tradescantia pallida</i> 'Pupurea'	Purple Queen or Purple Heart	Full Sun to Partial Shade	Year Round Color	Moist/Well-Drained
<i>Tradescantia spathacea</i>	Moses-in-a-Boat or Oyster Plant	Patial Shade	Year Round Color	Moist/Well-Drained

**Supplemental Florida Monarch Butterfly Attracting Plants to Accomodate National Wildlife Federation's 'Mayor's Monarch Pledge'**

vV Florida Native Wildflower   Perennial

Botanical Name v = Native		Common Name	Light Intensity	Annual Growing Season	Soil Moisture
<i>Asclepias incarnata</i>  	vV	Swamp Milkweed or Pink Milkweed	Full Sun to Light Shade	Spring to Fall	Wet to Well-Drained
<i>Asclepias perennis</i>  	vV	Aquatic Milkweed	Full Sun to Partial Shade	Spring to Fall	Wet to Well-Drained
<i>Asclepias tuberosa</i> <i>ssp. Rolfsii</i>  	vV	Rolfs' Milkweed	Full Sun	Spring to Summer	Well-Drained to Dry
<i>Asclepias tuberosa</i> <i>ssp. Tuberosa</i>  	vV	Butterfly Milkweed or Pleurosy Root	Full Sun	Spring to Summer	Well-Drained to Dry
<i>Liatris spicata</i>  	vV	Dense Blazing Star or Gayfeather	Full Sun	Summer to Fall	Moist/Well-Drained