



Design Guidelines

Approved by the CROA Board of Directors on 08/23/2011; effective for applications received on or after 10/01/2011.



LANDSCAPE – PLANT GUIDE: TREES



View this Design Guideline online and store it electronically if needed. If you wish to print some of this information, please print only the section(s) or page(s) you need.

See also: *Design Guidelines: Landscape – Design & Planning* for information on submitting a request to change your landscape plan.

See also: *Design Guidelines: Landscape – Plant Guide: Ground Covers, Vines, Turf*

See also: *Design Guidelines: Landscape – Plant Guide: Palms, Tropicals & Cold-Sensitive*

See also: *Design Guidelines: Landscape – Plant Guide: Perennials, Annuals, Bulbs*

See also: *Design Guidelines: Landscape – Plant Guide: Shrubs*

Partners in Maintaining and Enhancing Celebration’s Beauty

Since its formation in April of 1997, the Garden Club of Celebration has played many roles related to the outdoor beauty of the community. Just a few examples include early updates to the Plant Resource Guide, development of the Master Gardener program in Celebration, design and refurbishment of community spaces, and perhaps most familiar to residents – the twice annual pine straw sale which is a key fundraiser for the Garden Club’s annual scholarship program.

Most recently the Club completed a major review and update of the Plant Guide which provides the “go to” reference for Celebration property owners when they want to update their landscaping.

The Garden Club of Celebration provides an environment where gardeners of all types can thrive – from novices to Master Gardeners. More information on the Club and their monthly programs, which are open to all residents, is available in the *Celebration News*, on the Front Porch website, or by contacting Town Hall.

Thanks also to the University of Florida/IFAS Extension

As a complete replacement of the former Plant Resource Guide, the new Plant Guide uses the state-developed Florida-Friendly plant database as the initial plant inventory. Plants which are not appropriate for Central Florida were removed. Other plants were added or removed based on actual experience in Celebration. Information was added for specific plants which may assist residents in making selections which are cost-effective and suitable for the level of maintenance desired.

Can’t find a particular plant or don’t know the name?

- See the companion document *Design Guidelines: Landscape – Plant Guide Cross Reference* which has all plants listed by “common” name(s).
- Want to do more research? Visit these helpful websites:

- Florida-Friendly Landscaping Plant Database at www.floridayards.org
- Atlas of Florida Vascular Plants at www.florida.plantatlas.usf.edu








A Viburnum is a Viburnum is a Viburnum ... Not!



Pay special attention to specific plant variety names to ensure you purchase the correct plant and plant characteristics you expect. In many species, there may be wide variation in the individual members. For example, the *viburnum* species has as many as 175 different types of shrubs and trees; some may reach 20' tall, while others typically grow to be only 3' tall. Often a traditional nursery (versus a home improvement center) will carry several varieties and have more information on growth habits.







































































When selecting plants, take into account their water requirements – are they tolerant of soggy soil (such as former swampland)? Do they need regular watering (which may not be available during periods of water restrictions)? In addition, your sprinkler system may benefit from updating to have a portion use a drip or emitter system.

Notes about the Plant List:


















Botanical Name	Listed alphabetically within each major section
Common Name	
	Plants native to Florida (marked with this symbol) may grow better and be easier to maintain than non-natives
Minimum Size at Installation [Height x Spread]	
Where Plant May Be Used	Front, Side, Alley or Private Zone. If definitions are needed, refer to <i>Design Guidelines: Zones & Lot Restrictions</i>
Water Needs	
Growth Rate	Assumes <i>ideal</i> growing conditions
Height x Spread at Maturity	Assumes <i>ideal</i> growing conditions
Light Range	 Full Sun  Partial Shade  Shade
Wildlife (attracts these)	 Butterflies  Hummingbirds  Other birds
Description	Taken primarily from the Florida-Friendly Plant List. Additional text has been incorporated into the descriptions from numerous sources deemed reliable.






















Botanical Name Common Name	Minimum Size at Installation [Height x Spread]	Where Plant May Be Used Water Needs	Growth Rate Height x Spread at Maturity	Light Range	Description
CANOPY TREES – DECIDUOUS					
<i>Acer barbatum</i> Florida Maple, Southern Sugar Maple		All except Alley Low	Medium 25-60 25-40	 	Also known as <i>Acer saccharum ssp. floridanum</i> ; green flowers in Spring; watch for aphids and cottony maple scale















Botanical Name Common Name	Minimum Size at Installation [Height x Spread]	Where Plant May Be Used Water Needs	Growth Rate Height x Spread at Maturity	Light Range		Description
<i>Acer rubrum</i> Red Maple	65 gallon [10' x 4']	All except Alley Medium	Fast 35-80' x 25-35'			Red flowers in winter-spring; red fall foliage; watch for aphids, cottony maple scale, gall mites; shallow-rooted; good for wet sites; medium-low wind resistance Sun or shade, use in moist soil
<i>Carya spp.</i> Hickory Pecan		All except Alley Low	Medium varies varies	 		Edible fruit (<i>C. illinoensis</i>); white/yellow flowers, spring; tolerates occasionally wet soil; wind resistance: high for <i>C. floridana</i> , med-high for <i>C. glabra</i> and <i>C. tomentosa</i> , low for <i>C. illinoensis</i>
<i>Liquidambar styraciflua</i> Sweet-Gum	65 gallon [8' x 4']	All except Alley Medium	Medium 40-100' x 40-60'	 		Fall colors spectacular; leaves and prickly seed heads drop; tolerant of wet and dry conditions
<i>Platanus occidentalis</i> Sycamore	65 gallon [12' x 6']	All except Alley Medium	Fast 75-90' x 50-70'	 		Needs space; sheds continually; leaf scorch if insufficient water; watch for mites/lace bugs/anthracnose; good for erosion control on stream banks; medium-low wind resistance; rapid grower; requires clean up (leaves and seed heads)
<i>Quercus chapmanii</i> Chapman Oak		All except Alley Low	Slow 30-45' x 20-30'			Provides wildlife food
<i>Quercus michauxii</i> Swamp Chestnut, Swamp Chestnut Oak		All except Alley High	Medium 60-200' x 20-148'	 		Wildlife food; tolerates occasionally wet soils; in wet soils rot may be a problem; best in full sun but tolerates shade when young; very tolerant of urban conditions; medium-high wind resistance
<i>Quercus shumardii</i> Shumard Oak	Space 30- 40' apart	All except Alley Low	Fast 55-80' x 40-50'			Wildlife food; tolerates occasionally wet soil; medium-high wind resistance deciduous, red fall color
<i>Salix babylonica</i> Weeping Willow		All except Alley High	Fast 40-50 40-50			Best near water; keep away from foundations ; graceful silvery foliage branches droop; leaves continually drop; nothing will grow underneath the canopy.
<i>Taxodium distichum</i> Bald Cypress	65 gallon [12' x 6']	All except Alley Low	Fast 60-80' x 25-35'			Flammable plant - in wildfire-prone area, plant min. 30' from buildings; wetland plant & adapts to dry sites; deciduous; yellow-brown color in fall; small seeds used by some birds; high wind resistance. Sun to part shade, deciduous conifer, use in moist soil
<i>Ulmus americana</i> American Elm		All except Alley Low	Fast 70-90 50-70	 		Long-lived (300+years); watch for Dutch Elm disease; medium-low wind resistance
<i>Ulmus parviflora</i> 'Drake' Drake Elm	65 gallon	All except Alley Low	Medium 40-50' x 35-50'	 		Low wind resistance; tolerates occasionally wet soil

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CANOPY TREES – EVERGREEN						
<i>Gordonia lasianthus</i> Loblolly Bay	30 gallon [6' x 3']	All except Alley High	Slow 30-60' x 20-30'	 		White flowers in spring-summer; good restoration tree; good for retention pond edges; do not plant in alkaline soils
<i>Ilex x attenuata</i> and cvs. East Palatka Holly Savannah Holly	25 gallon	All except Alley Medium	Medium 30-45' x 10-15'	 	 	May have severe disease problems in central parts of the state; important source of pollen for bees
<i>Ilex cassine</i> "Dahoon" Dahoon Holly	30 gallon [10']	All except Alley Medium	Medium 20-30' x 15-20'	 		White flowers in spring; important source of pollen for bees; berries provide food for many wildlife species; needs to be in a wet area; high wind resistance
<i>Ilex myrtifolia</i> Myrtleleaf Holly, Myrtle Holly		All except Alley Medium	Medium 25-50' x 10-15'	 		Inconspicuous white flowers in Spring; wildlife widely use red fruit in late Fall; no pest problems; important source of pollen for bees
<i>Ilex opaca</i> American Holly	30 gallon [6' x 3']	All except Alley Medium	Medium 40-50' x 15-25'	 	 	Savannah & East Palatka variety preferred
<i>Ilex rotunda</i> Round Holly, Roundleaf Holly, Rotund Holly		All except Alley Medium	Slow 20-30' x 20-30'	 		White flowers in spring; important source of pollen for bees; attracts wildlife; requires well drained soil
<i>Juniperus silicicola</i> Southern Red Cedar		All except Alley Low	Fast 30-45' x 20-30'	 		Low wind resistance; attracts birds; excellent nesting cover and fruit provides food; watch for juniper blight and mites; branches drooping
<i>Juniperus virginiana</i> (<i>silicicola</i>) Eastern Red Cedar	30 gallon [6' x 3']	All except Alley Low	Fast 20-40' x 10-20'	 		Low wind resistance; attracts birds (excellent nesting cover and fruit provides food); good for dune planting; watch for juniper blight and mites; branches drooping
<i>Magnolia grandiflora</i> Southern Magnolia	65 gallon [10' x 4']	All except Alley Medium	Medium 40-80' x 15-40'	 	 	White/cream, fragrant flowers in summer; red seeds used by various wildlife; tolerates occasionally wet soil; high wind resistance
<i>Persea borbonia</i> Red Bay, Bay Oak		All except Alley Low	Medium 30-50' x 30-50'	 	 	Larval food plant for swallowtail butterflies; generally pest-free but insect galls can distort leaves; medium-low wind resistance; beware of red bay ambrosia beetle
<i>Persea palustris</i> Swamp Bay		All except Alley High	Medium 20-30' x 20-30'	 	 	Purple fruit; good wetland plant; aromatic leaves; larval host plant for palamedes swallowtail (<i>Papilio palamedes</i>) and spicebush swallowtail (<i>Papilio troilus</i>) butterflies

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<i>Pinus elliottii densa</i> Slash Pine Southern <i>Pinus elliottii var. elliottii</i> Slash Pine Northern	15 gallon [8']	All except Alley Low	Fast 75-100' x 35-50'	 	 	Flammable - in wildfire-prone area, plant min. 30' from buildings; old trees can be dangerous, medium-low wind resistance; tolerates occasionally wet soil; seeds eaten by wildlife; sensitive to disturbance heavy shedder not recommended near pools. Cones in Spring.
<i>Pinus palustris</i> Longleaf Pine 	15 gallon [8']	All except Alley Low	Medium 60-80 30-40			Flammable - in wildfire-prone area, plant min. 30' from buildings; old trees dangerous, medium-low wind resistance; watch for borers; resistant to fusiform rust/pine bark beetle; tolerates occasionally wet soil, native, heavy shedder not recommended near pools. Flowers white in Spring.
<i>Quercus laurifolia</i> Laurel Oak	65 gallon [14' x 6']	All except Alley Medium	Fast 60-70' x 35-45'	 	 	Short lived; low wind resistance ; tolerates occasionally wet soil but does not tolerate poor drainage well; trunk decays easily when large branches are removed. Needs room to grow
<i>Quercus virginiana</i> Live Oak	65 gallon [14' x 6']	All except Alley Low	Medium 40-80' x 60-120'	 	 	Wildlife food; not for small lots ; caterpillars, root rot and insect galls sometimes a problem; tolerates occasionally wet soil; high wind resistance
ORNAMENTAL TREES – DECIDUOUS						
<i>Betula nigra</i> River Birch 	[8' x 2']	All except Alley High	Fast 40-50' x 25-35'	 		Needs soil space for root expansion; grows best with high soil moisture; chlorosis develops in alkaline soil; tolerates periodic flooding but not long periods of drought; medium-high wind resistance, specify multi-trunk specimens, native, moist soil
<i>Buddleja lindleyana</i> Butterfly Bush, Lindley's Butterflybush		All except Alley Medium	Fast 4-6' x 6'			Excellent for butterflies; well drained soil
<i>Cercis Canadensis</i> Eastern Redbud	[6' x 3']	All except Alley Low	Medium-Fast 20-30' x 15-35'	 	 	Cultivars provide various foliage and flower color; purple/lavender/pink flowers in Spring; pest sensitive; some birds eat beans; medium-high wind resistance; native species best
<i>Ficus carica</i> Fig, common		All except Alley Medium	Medium 15-30' x 15-30'	 		Fruits abundantly; will attract critters you may not want to share your yard with.
<i>Jacaranda mimosifolia</i> Jacaranda		All except Alley Low	Fast 25-40' x 45-60'			Lavender/blue flowers in Spring-Summer; messy when leaves and flowers drop; soft wood and breaks easily; low wind resistance . Requires well drained soil
<i>Lagerstroemia indica x fauriei</i> Japanese Crape Myrtle		All except Alley Medium	Fast 25-30' x 25-35'			White, showy flowers in Summer; many cultivars are mildew resistant

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<i>Lagerstroemia indica</i> sp. Crape Myrtle Crepe Myrtle	15 gallon [6' x 3']	All except Alley Low	Fast 10-30' x 8-30'			Multi-trunk specimens look best lavender/pink flowers in Spring-Summer; watch for cottony cushion scale and aphids; high wind resistance
<i>Magnolia x soulangiana</i> and cvs. Saucer Magnolia		All except Alley High	Medium 20-25' x 15-25'			Many cultivars; pink/white/lavender fragrant flowers, late Winter-Spring; no major pests but watch for scales / nematodes/ leaf spots / mushroom root rot; medium-high wind resistance
<i>Magnolia virginiana</i> Magnolia Sweet Bay	[6' x 2']	All except Alley High	Medium 40-60' x 20-50'			White flowers, Spring; small red seeds used by wildlife; larval food plant for swallowtail butterflies; no serious pest problems, but watch for scales/borers; medium-high wind resistance
<i>Tabebuia caraiba</i> or <i>chrysotricha</i> Trumpet Tree Yellow	[6' x 3']	All except Alley Medium	Fast 25-35' x 25-35'			Showy trumpet flower, cold sensitive below 24° F; flowers in Winter to Spring; flowers emerge after leaves drop; not wind resistant
<i>Tabebuia heterophylla</i> Trumpet Tree Pink	[6' x 3']	All except Alley Low	Medium 20-30' x 15-20'			Pink/white flowers in Spring to Summer; medium-low wind resistance; can be cold sensitive
<i>Tabebuia impetiginosa</i> Trumpet Tree Purple	[6' x 3']	All except Alley Low	Slow 12-18' x 10-15'			Showy, pinkish-purple flowers in spring; medium-low wind resistance; can be cold sensitive
<i>Tecoma stans</i> Yellow Elder, Yellow Trumpetbush		All except Alley Medium	Fast 20' x 15'			Yellow flowers, Summer-Winter; FNGLA Plant of the Year, 2005 ; may die to the ground in Northern Florida and return in the Spring;
<i>Ulmus alata</i> Winged Elm	Space 20' apart	All except Alley Low	Fast 45-70' x 30-40'			Watch for Dutch elm disease; medium-high wind resistance
<i>Vitex agnus-castus</i> Chaste Tree (lilac)	[8' x 3']	All except Alley Low	Fast 10-20' x 10-20'			Flowers lavender and white in Spring/Summer open, fragrant
ORNAMENTAL TREES – EVERGREEN						
<i>Averrhoa carambola</i> Starfruit		All except Alley Low	Slow 30-40' x 15-20'			Pink flowers repeatedly; produces edible fruit; has to be kept moist
<i>Bauhinia x blakeana</i> Hong Kong Orchid		All except Alley Medium	Medium 30-40' x 30-40'			Use only this variety as seeds are sterile; all other classed as invasive ; can lose leaves in heavy frost; striking fragrant purple red orchid shaped flowers

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<i>Callistemon spp.</i> Bottlebrush		All except Alley Low	Medium 6-30' x 6-15'			Red flowers, Spring-Summer; medium-low wind resistance; attracts beneficial insects; best types <i>citrinus</i> , <i>rigidus</i> , and <i>viminale</i> (weeping)
<i>Chionanthus pygmaeus</i> Pigmy Fringetree		Private Zone Only Low	Medium 6-12' x 15-20'			White flowers in spring; purple fruits in late Summer
<i>Chionanthus virginicus</i> Fringetree		Private Zone Only Medium	Slow 12-20' x 10-15'			Showy, white flowers in Spring; flowers best in sun; poisonous; pest sensitive; tolerates occasionally wet soil; medium-high wind resistance
<i>Citrus spp.</i> Orange, Grapefruit, Lemon	[6-8' x 2-3']	All except Alley Medium	Medium 12-30' x 15-30'			Prefers full sun; tree form; high maintenance; fragrant flowers; cold sensitive
<i>Cupressus arizonica</i> or <i>glabra</i> Arizona Cypress		All except Alley Low	Medium 20-30' x 15-15'			Compact blue-green foliage
<i>Cupressus sempervirens</i> Italian Cypress	[6' x 2']	All except Alley Low	Medium 20-40' x 2-3'			Slender columnar form; foliage is blue green; drought tolerant
<i>Elaeocarpus decipens</i> Japanese Blueberry		All except Alley Medium	Medium 50-60' x 25-30'			Be sure to provide plenty of growing room for this excellent screen choice. Somewhat showy blooms in Summer, followed by black berries in the Fall. Available in Pyramidal form
<i>Eriobotrya japonica</i> Loquat	[6' x 3']	All except Alley Medium	Medium 20-30' x 30-35'			White flowers, Fall-Winter; medium-low wind resistance; Medfly host-don't plant in citrus areas; caution-manage to prevent escape in Central Florida
<i>Fortunella japonica</i> Kumquat		All except Alley Medium	Medium 8-10' x 5-8'			One of the easiest fruits to grow
<i>Ilex hybrid 'Conaf'</i> Oak Leaf, Oak Leaf Holly		All except Alley	Medium 18' x 8'			
<i>Ilex vomitoria f. pendula</i> Weeping Yaupon Holly	6' tall	All except Alley Medium	Medium 20-25' x 6-8'			Flammable - in wildfire-prone area, plant min. 30' from buildings; white flowers, Spring-Summer; red fruit wildlife food, late fall-winter; 'Pendula' was FNGLA Plant of the Year, 2005; high wind resistance.
<i>Ilex vomitoria</i> Yaupon Holly	[6' x 2']	All except Alley Medium	Medium 20-25' x 10-15'			Flammable - in wildfire-prone area, plant min. 30' from buildings; white flowers, Spring-Summer; red fruit wildlife food, late Fall-Winter;

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<i>Juniperus chinensis 'torulosa'</i> Torulosa Juniper	[4' x 2']	All except Alley Low	Medium 10-15' x 6-10'			Flammable - in wildfire-prone area, plant min. 30' from buildings; does not tolerate wet feet; good pollution tolerance; watch for mites (especially when hot and dry), bagworms, root rot, Phomopsis blight
<i>Ligustrum japonicum</i> Wax Privet	[4' x 4']	All except Alley Low	Medium 8-12' x 15-25'			White flowers, Summer; watch for scale / whiteflies / sooty mold / nematodes / root rot; used as hedge; thins at bottom unless in full sun, multi-stem tree
<i>Ligustrum lucidum</i> Tall Glossy Privet	[6' x 2']	All except Alley Medium	Medium 15-30' x 20-30'			Single-trunk tree; best used as hedge. Now classified as potentially invasive. Many beautiful and useful non-invasive alternatives are available
<i>Magnolia Grandiflora 'Little Gem'</i> Little Gem Magnolia	Space 10' apart	All except Alley Medium	Medium 15-20' x 8-12'			Sun to part shade, small scale; white flowers in Spring
<i>Michelia figo</i> Banana Shrub, Port Wine Magnolia		All except Alley High	Medium 10-12' x 3-4'			Flowers have sweet banana scent; can be used as hedging; prefers acid fertile well drained but moist soil; no part of this plant is edible.
<i>Myrica cerifera</i> Wax Myrtle 	[6' x 2']	All except Alley Medium	Fast 10-40' x 20-25'			Flammable - in wildfire-prone area, plant min. 30' from buildings; watch for lobate lac scale; trunk disease can shorten life; good hedge plant for wildlife; medium-low wind resistance, container grown best, native
<i>Osmanthus fragrans</i> Tea Olive	Space 15'	All except Alley Medium	Slow 15-30' x 15-20'			White, fragrant flowers in fall-spring; pest sensitive
<i>Platycladus orientalis</i> Oriental arborvitae		All except Alley Low	Medium 6-50' x 6-20'			Conifer can be used as a tree or as hedging; dense foliage
<i>Podocarpus macrophyllus</i> Podocarpus	[6' x 2']	All except Alley Low	Slow 20-40' x 20-25'			No serious pest problems, but watch for scales, sooty mold, mites and root rot; high wind resistance, columnar. Berries are very attractive to birds; bird waste will stain fences, railings, porches, etc. which are nearby.