

## Appendix B: Landscape Guidance

LARGE TREES Mature Height More than 50'	Table 1: LARGE TREE SPECIES RECOMMENDATIONS							
	Interchanges/ Grade Separations	Medians	Parking Lots or Similar 'Hardscape'	Near Sidewalks	Under Utility Lines	Visibility Concern Areas**	Yards	Hillside Reforestation ***
American Basswood (Linden)*	YES	YES	YES	YES	NO	YES	YES	YES
White Basswood (Linden)	YES	YES	YES	YES	NO	YES	YES	YES
American Beech*	YES	YES	NO <sup>B</sup>	NO <sup>B</sup>	NO	YES	YES	YES
European Beech	YES	YES	NO <sup>B</sup>	NO <sup>B</sup>	NO	YES	YES	YES
Blackgum*	YES	YES	NO	NO	NO	YES	YES	YES
Yellow Buckeye	YES	NO	NO	NO	NO	YES	YES	YES
Bald Cypress*	YES	YES	NO	NO	NO	YES	YES	NO
American Elm	YES	YES	YES <sup>C</sup>	YES <sup>C</sup>	NO	YES	YES	YES
Hackberry*	YES	YES	NO	NO	NO	YES	YES	YES
European Hornbeam	YES	YES	YES	NO	NO	NO	YES	NO
Ginkgo	YES	YES	NO <sup>D</sup>	NO	NO	YES	YES <sup>E</sup>	NO
Red Maple*	YES	YES	YES	YES	NO	YES	YES	YES
Sugar Maple*	YES	YES	YES	YES	NO	YES	YES	YES
Black Oak	YES	YES	NO	NO	NO	NO	YES	YES
Bur Oak	YES	YES	NO <sup>B</sup>	NO <sup>B</sup>	NO	YES	YES	YES
Chestnut Oak*	YES	YES	YES	YES	NO	YES	YES	YES
Chinkapin Oak*	YES	YES	NO <sup>B</sup>	NO <sup>B</sup>	NO	YES	YES	YES
English Oak	YES	YES	YES	YES	NO	YES	YES	NO
Northern Red Oak*	YES	YES	YES	YES	NO	YES	YES	YES
Post Oak	YES	YES	NO	NO	NO	NO	YES	YES
Sawtooth Oak	YES	YES	YES	YES	NO	YES	YES	NO
Scarlet Oak*	YES	YES	YES	YES	NO	YES	YES	YES
Shumard Oak*	YES	YES	YES	YES	NO	YES	YES	LIMITED
Southern Red Oak*	YES	YES	YES	YES	NO	YES	YES	LIMITED
White Oak*	YES	YES	YES	YES	NO	YES	YES	YES
Willow Oak*	YES	YES	YES	YES	NO	YES	YES	YES
Loblolly Pine*	YES	NO	NO	NO	NO	NO	YES	LIMITED
Pitch Pine	YES	YES <sup>A</sup>	NO	NO	NO	NO	YES	YES
Shortleaf Pine*	YES	YES <sup>A</sup>	NO	NO	NO	NO	YES	YES
White Pine*	YES	YES <sup>A</sup>	NO	NO	NO	NO	YES	YES
London Planetree/Sycamore <sup>F</sup>	YES	YES	NO	NO	NO	YES	NO	NO
Tulip Poplar*	YES	YES	YES	YES	NO	YES	YES	LIMITED
Dawn Redwood	YES	YES <sup>A</sup>	NO	NO	NO	NO	YES	NO
Sweetgum*	YES	YES	NO <sup>B</sup>	NO <sup>B</sup>	NO	YES	YES	LIMITED
Black Cherry*	NO	NO	NO	NO	NO	NO	YES	YES
Virginia Pine*	NO	YES <sup>A</sup>	YES	NO	NO	NO	YES	YES
Laurel Oak	YES	YES	NO	YES	NO	NO	YES	NO
Winged Elm	YES	YES	YES	NO	NO	NO	YES	YES
Eastern Hemlock	NO	NO	NO	NO	NO	NO	YES	NO

A. If site does not obstruct visibility and median width is acceptable

B. Large nuts can cause difficulties under foot

C. If hybrid, disease-resistant variety is used

D. Because of slow-growing nature and 'stick-like' appearance

E. Male trees, only

F. Two different species; both can produce pollen, causing allergies

\* Native to south central United States

\*\*Tree placement and maintenance procedures should be respectful of sight distance

\*\*\*Yes = well suited for shallow, poor soil quality on disturbed hillsides;

No = non natives, slow growth rate or riparian-oriented species;

Limited = better suited for good soil conditions and north-facing slopes

MEDIUM TREES Mature Height 30' - 50'	Table 2: MEDIUM TREE SPECIES RECOMMENDATIONS							
	Interchanges/ Grade Separations	Medians	Parking Lots or Similar 'Hardscape'	Near Sidewalks	Under Utility Lines	Visibility Concern Areas**	Yards	Hillside Reforestation ***
Arborvitae*	YES	YES	YES	NO	NO	NO	YES	LIMITED
River Birch*	YES	YES	NO	NO	NO	YES	YES	NO
Catalpa*	YES	YES	NO	NO	NO	NO	YES	YES
Atlantic White Cedar*	YES	YES <sup>A</sup>	YES <sup>B</sup>	NO	NO	NO	YES	NO
Deodar Cedar	YES	YES <sup>A</sup>	YES <sup>B</sup>	NO	NO	NO	YES	NO
Eastern Red Cedar*	YES	YES <sup>A</sup>	YES <sup>B</sup>	NO	NO	NO	YES	YES
Kentucky Coffeetree <sup>8</sup>	YES	YES	NO	NO	NO	YES	YES	YES
Amur Cork Tree	YES	YES	YES	YES	NO	YES	YES	NO
Cryptomeria	YES	YES	YES <sup>B</sup>	NO	NO	NO	YES	NO
Lace-bark Elm	YES	YES	YES	YES	NO	YES	YES	NO
Smooth Leaf Elm	YES	YES	YES	YES	NO	YES	YES	NO
Eastern Hemlock*	YES	YES <sup>A</sup>	YES <sup>B</sup>	NO	NO	NO	YES	NO
American Holly*	YES	YES	YES <sup>B</sup>	NO	NO	NO	YES	NO
Thornless Honeylocust*	YES	YES	YES	YES	NO	YES	YES	YES
American Hornbeam*	YES	YES	YES	NO	NO	YES	YES	NO
Eastern Hophornbeam*	YES	YES	YES	NO	NO	YES	YES	NO
Little-leaf Linden	YES	YES	YES	YES	NO	YES	YES	NO
Silver Linden	YES	YES	YES	YES	NO	YES	YES	NO
Black Locust*	YES	YES	YES	NO	NO	YES	YES	YES
Southern Magnolia*	YES	YES <sup>A</sup>	NO	YES	NO	NO	YES	NO
Sweetbay Magnolia*	YES	YES	YES <sup>B</sup>	YES	NO	NO	YES	NO
Hedge Maple	YES	YES	YES	YES	NO	YES	YES	NO
Trident Maple	YES	YES	YES	YES	NO	YES	YES	NO
Austrian Pine	YES	YES <sup>A</sup>	YES <sup>B</sup>	NO	NO	NO	YES	NO
Japanese Red Pine	YES	YES	YES	NO	NO	NO	YES	NO
Chinese Pistache	YES	YES	YES	YES	NO	YES	YES	NO
Sassafras*	YES	YES	NO	YES	NO	YES	YES	YES
Sourwood*	YES	YES	NO	YES	NO	YES	YES	LIMITED
Colorado Blue Spruce	YES	YES <sup>A</sup>	YES <sup>B</sup>	NO	NO	NO	YES	NO
White Spruce	YES	YES	YES <sup>B</sup>	NO	NO	NO	YES	NO
Weeping Willow <sup>C</sup>	YES	NO	NO	NO	NO	NO	YES	NO
Yellowwood*	YES	YES	YES	YES	NO	YES	YES	NO
Zelkova	YES	YES	YES	YES	NO	YES	YES	NO

A. Avoid planting where there are breaks in median for turning across travel lanes. Plant where a screen from on-coming car headlights is needed.

B. Use at edges of parking lots for border or buffering purposes. Do not use in islands or medians of parking lots.

C. Avoid near septic systems and similar problem areas.

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No = non natives, slow growth rate or riparian-oriented species;

Limited = better suited for good soil conditions and north-facing slopes

SMALL TREES Mature Height Less than 30'	Table 3: SMALL TREE SPECIES RECOMMENDATIONS							
	Interchanges/ Grade Separations	Medians	Parking Lots or Similar 'Hardscape'	Near Sidewalks	Under Utility Lines	Visibility Concern Areas**	Yards	Hillside Reforestation ***
Blackhaw*	YES	YES	YES <sup>A</sup>	NO	YES	YES <sup>B</sup>	YES	LIMITED
Rusty Blackhaw*	YES	YES	YES <sup>A</sup>	NO	YES	YES <sup>B</sup>	YES	LIMITED
Red Buckeye*	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
Carolina Buckthorn*	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	LIMITED
Oriental Cherries	YES	YES	YES <sup>A</sup>	NO	YES	YES <sup>B</sup>	YES	YES
Carolina Cherrylaurel*	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	LIMITED
Flowering Crabapple <sup>C</sup>	YES	YES	YES <sup>A</sup>	NO	YES	YES <sup>B</sup>	YES	LIMITED
Crepe Myrtle	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	LIMITED
Flowering Dogwood*	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
Kousa Dogwood*	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
Pagoda Dogwood	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
Autumn Flametree	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	YES
American Fringetree*	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
Chinese Fringetree	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
Golden Raintree	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
Cockspur Hawthorn	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	LIMITED
Foster Holly	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
Amur Maple	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
Japanese Maple	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
Pawpaw*	YES	YES	YES <sup>A</sup>	NO	YES	YES <sup>B</sup>	YES	LIMITED
Eastern Redbud*	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	YES
Service Berry*	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	LIMITED
Carolina Silverbell*	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	LIMITED
European Smoketree	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
American Smoketree*	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	YES
Sourwood*	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	LIMITED
Mountain Stewartia	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
Witch-hazel*	YES	YES	YES <sup>A</sup>	YES	YES	YES <sup>B</sup>	YES	NO
Southern Crabapple	YES	YES	YES <sup>A</sup>	NO	YES	YES <sup>B</sup>	YES	YES
Hawthorns <sup>D</sup>	YES	YES	YES <sup>A</sup>	NO	YES	YES <sup>B</sup>	YES	LIMITED

- A. Should not be used for more than 25% of parking lot trees. Do not use in parking lot islands. May be used in parking lot medians  
 B. If properly trimmed. Some species will need to be pruned in their early years to allow space for pedestrian traffic; additional trimming may be needed.  
 C. Note that Flowering Crabapple and Red Cedar should not be planted near each other because of potential cedar apple rust disease.  
 D. Examples include Washington and Wintering Hawthorns

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