

C-8:
Guide for Planting Trees

The trees recommended in Section 103 have minimal maintenance requirements. However, all trees must receive a certain degree of care, especially during and immediately after planting. To protect an investment in new trees, the developer should ensure that the following guidelines are followed when planting:

- (1) The best times for planting are early spring and early fall. Trees planted in the summer run the risk of dehydration.
- (2) Plant all trees at least 3 ½ feet from the end of the head-in parking spaces to prevent damage from car overhangs.
- (3) Dig the tree pit at least one foot wider than the root ball and at least six inches deeper than the ball's vertical dimension.
- (4) Especially in areas where construction activity has compacted the soil, the bottom of the pit should be scarified or loosened with a pick ax or shovel.
- (5) After the pit is dug, observe subsurface drainage conditions. Where poor drainage exists, the tree pit should be dug at least an additional 12 inches and the bottom should be filled with coarse gravel.
- (6) Backfill should include a proper mix of soil, peat moss, and nutrients. All roots must be completely covered. Backfill should be thoroughly watered as it is placed around the roots.
- (7) Immediately after it is planted, the tree should be supported with stakes and guy wires to hold it firmly in place as its root system begins to develop. Staked trees will become stronger more quickly. Remove stakes and ties after one year.
- (8) Spread at least three inches of mulch over the entire excavation in order to retain moisture and keep the weeds down. An additional three-inch saucer of mulch should be provided to form a basin around the trunk of the tree. This saucer helps catch and retain moisture.
- (9) The lower trunks of new trees should be wrapped with burlap or paper to prevent evaporation and sun scald. The wrapping should remain on the tree for at least one year.
- (10) Conscientious postplanting care, especially watering, pruning and fertilizing, is a must for street and parking lot trees. Branches of new trees may be reduced by as much as a third to prevent excessive evaporation.

C-9:

Lists of Recommended Trees and Shrubs

The following tables indicate the plantings which will meet the requirements of Section 103. The lists are by no means comprehensive and are intended merely to suggest the types of flora which would be appropriate for shading purposes. Plants were selected for inclusion on these lists according to four principal criteria:

(i) general suitability for the climate and soil conditions of this area. (ii) ease of maintenance, (iii) tolerance of city conditions, and (iv) availability from area nurseries. When selecting new plantings for a particular site, a developer should first consider the types of plants which are thriving on or near the site. However, if an introduced species has proven highly effective for screening or shading purposes in this area, it too may be a proper selection.

Sections C-10 through C-13 contain lists of the trees and shrubs recommended.

C-10: Large Canopy Trees

Common Name	Botanical Name	Tree Type	At Maturity		Growth Rate
			Height	Spread	
Bald Cypress	<i>Taxodium distichum</i>	Deciduous	50'-70'	20'-30'	moderate
Sugar Maple	<i>Acer sacchrum</i>	Deciduous	60'-76'	40'-60'	moderate
Lacebark Elm	<i>Ulmus parviflora</i>	Deciduous	40'-50'	40'-50'	moderate
Katsura Tree	<i>Cercidiphyllum japonicum</i>	Deciduous	40'-60'	30'-60'	moderate
Honeylocust	<i>Gleditsia tricanthos</i>	Deciduous	60'-80'	30'-50'	moderate
Green Ash	<i>Fraxinus pennsylvanica</i>	Deciduous	50'-60'	25'-35'	fast
Laurel Oak	<i>Quercus nigra</i>	Deciduous	60'-100'	50'-60'	fast
Kentucky Coffeetree	<i>Gymnocladus dioicus</i>	Deciduous	60'-75'	40'-50'	slow to moderate
Sweetgum (fruitless)	<i>Liquidambar s. rotundiloba</i>	Deciduous	60'-75'	40'-50'	moderate
Tulip Poplar	<i>Liriodendron tulipifera</i>	Deciduous	70'-90'	35'-50'	fast
Southern Magnolia	<i>Magnolia grandiflora</i>	Evergreen	60'-80'	30'-50'	moderate
Black Gum	<i>Nyssa sylvatica</i>	Deciduous	30'-50'	20'-30'	moderate
Loblolly Pine	<i>Pinus taeda</i>	Evergreen	40'-60'	20'-30'	fast
White Oak	<i>Quercus alba</i>	Deciduous	50'-80'	60'-90'	slow
Scarlet Oak	<i>Quercus coccinea</i>	Deciduous	70'-75'	40'-50'	moderate
Willow Oak	<i>Quercus phellos</i>	Deciduous	40'-60'	30'-60'	moderate
Shumard Oak	<i>Quercus shumardii</i>	Deciduous	40'-60'	40'-60'	moderate
Pagoda/Scholar Tree	<i>Sophora japonica</i>	Deciduous	50'-75'	50'-75'	fast

C-11: Small Understory Trees.

Common Name	Botanical Name	Tree Type	At Maturity		Growth Rate
			Height	Spread	
Amur Maple	<i>Acer ginnala</i>	Deciduous	15'-20'	15'-20'	moderate
Japanese Maple	<i>Acer palmatum</i>	Deciduous	15'-25'	15'-25'	slow to moderate
Redbud	<i>Cercis canadensis</i>	Deciduous	20'-30'	25'-35'	moderate
Flowering Dogwood	<i>Cornus florida</i>	Deciduous	20'-30'	20'-30'	moderate
Kousa Dogwood	<i>Cornus kousa</i>	Deciduous	20'-30'	20'-30'	slow to moderate
Washington	<i>Crataegus phaenopyrum</i>	Deciduous	25'-30'	20'-25'	moderate
Carolina Silverbell	<i>Halesia carolina</i>	Deciduous	30'-40'	20'-35'	moderate
American Holly	<i>Ilex opaca</i>	Evergreen	20'-40'	18'-40'	slow
Holly (large types)	<i>Ilex x cultivar</i>	Evergreen	15'-25'	15'-25'	moderate to fast
Golden Raintree	<i>Koelreuteria bipinnata</i>	Deciduous	25'-40'	30'-40'	moderate to fast
Crape Myrtle	<i>Lagerstroemia indica (x faurei)</i>	Deciduous	18'+	varies	fast
Saucer Magnolia	<i>Magnolia x soulangeana</i>	Deciduous	20'-30'	15'-25'	moderate
Sweetbay Magnolia	<i>Magnolia virginiana</i>	Semi-evergreen	20'-30'	25'-35'	moderate
Flowering Crabapple	<i>Malus hybrid</i>	Deciduous	varies w/ species	varies w/ species	varies w/ species
Chinese Pistache	<i>Pistachia chinensis</i>	Deciduous	30'-35'	25'-35'	moderate
Flowering Cherry	<i>Prunus species</i>	Deciduous	varies w/ species	varies w/ species	varies w/ species
Sassafras	<i>Sassafras albidum</i>	Deciduous	30'-60'	25'-40'	moderate to fast
Japanese Snowbell	<i>Styrax japonica</i>	Deciduous	20'-30'	20'-30'	moderate
'Emerald' Arborvitae	<i>Thuja occidentalis 'Emerald'</i>	Evergreen	15'-25'	5'-10'	slow to moderate
American Hornbeam	<i>Corpinus caroliniana</i>	Deciduous	25'-35'	20'-25'	slow

C-12: Shrubs.

Common Name	Botanical Name	Shrub Size	Shrub Type	At Maturity		Growth Rate
				Height	Spread	
Glossy Abelia	<i>Abelia</i>	Small	Evergreen	3'-6'	3'-6'	moderate to fast
Red Chokeberry	<i>Aronia</i>	Large	Deciduous	6'-10'	4'-6'	moderate
Wintergreen Barberry	<i>Berberis julianae</i>	Large	Evergreen	6'-10'	6'-10'	moderate
Japanese Barberry	<i>Berberis</i>	Small	Deciduous	3'-6'	4'-7'	moderate
Butterfly Bush	<i>Buddleia davidii</i>	Large	Deciduous	5'-15'	8'-12'	fast
Purple Beautyberry	<i>Callicarpa</i>	Small	Deciduous	3'-5'	4'-6'	moderate
Camellia	<i>Camellia</i>	Large	Evergreen	6'-15'	5'-10'	slow to
Japanese Falsecypress	<i>Chamaecyparis</i>	Large	Evergreen	6'-15'	6'-15'	moderate
Summersweet Clethra	<i>Clethra alnifolia</i>	Small	Deciduous	3'-8'	4'-6'	moderate
Winged Euonymous	<i>Euonymous</i>	Large	Deciduous	6'-15'	10'-15'	moderate
Border Forsythia	<i>Forsythia x</i>	Large	Deciduous	8'-12'	10'-12'	fast
Witch Hazel Hybrid	<i>Hammamelis x</i>	Large	Deciduous	10'-15'	10'-15'	moderate
Hydrangea	<i>Hydrangea</i>	Varies w/ sp.	Deciduous	4'-15'	4'-15'	fast
Japanese Holly	<i>Ilex crenata</i>	Varies w/ sp.	Evergreen	4'-12'	4'-12'	moderate
Chinese Holly	<i>Ilex comuta</i>	Varies w/ sp.	Evergreen	3'-15'	4'-15'	moderate
Inkberry Holly	<i>Ilex glabra</i>	Large	Evergreen	5'-10'	5'-10'	moderate
Yaupon Holly	<i>Ilex vomitoria</i>	Varies w/ sp.	Evergreen	3'-20'	5'-15'	moderate to fast
Winterberry	<i>Ilex verticillata</i>	Large	Deciduous	6'-10'	6'-10'	slow to
Small Anise Tree	<i>Illicium</i>	Large	Evergreen	8'-15'	10'-15'	moderate

Common Name	Botanical Name	Shrub Size	Shrub Type	At Maturity		Growth Rate
				Height	Spread	
Virginia Sweetspire	<i>Itea virginica</i>	Small	Deciduous	3'-7'	5'-10'	moderate to fast
Juniper	<i>Juniperus</i>	Varies	Evergreen	1'-20'	1'-10'	moderate
Japanese Privet	<i>Ligustrum</i>	Large	Evergreen	8'-15'	8'-12'	fast
Wax Myrtle	<i>Myrica cerifera</i>	Large	Evergreen	10'-20'	10'-20'	fast
Nandina/Heavenly Bamboo	<i>Nandina</i>	Small	Evergreen	2'-8'	3'-8'	moderate
Fortune's Osmanthus	<i>Osmanthus x</i>	Large	Evergreen	15'-20'	15'-20'	slow to
'Zabel' Skip Laurel	<i>Prunus</i>	Small	Evergreen	3'-6'	5'-10'	moderate
Spirea	<i>Spirea species</i>	Small	Deciduous	2'-8'	3'-8'	moderate to fast
Viburnum	<i>Viburnum species</i>	Varies w/ sp.	Decid/Evergr.	5'-20'	5'-20'	moderate
Indian Hawthorn	<i>Raphiolepis</i>	Small	Deciduous	5'-7'	4'-6'	slow to
Japanese Yew	<i>Taxus species</i>	Varies w/ sp.	Evergreen	Varies	Varies	slow
Thorny Elaeagnus	<i>Elaeagnus</i>	Large	Evergreen	8'-12'	8'-10'	moderate to fast
Burfordi	<i>Ilex cornuta</i>	Varies w/ sp.	Evergreen	4'-20'	4'-10'	moderate
Fragrant Tea Olive	<i>Osmanthus</i>	Large	Evergreen	10'-20'	3'-10'	moderate to fast
Red Photinia	<i>Photinia</i>	Large	Evergreen	12'-15'	8'-10'	moderate to fast