

**APPENDIX A: APPROVED SPECIES LIST FOR NORCROSS TREE ORDINANCE
PLANTING REQUIREMENTS (amended 10/24/05)**

OVERSTORY TREES														
COMMON NAME	LATIN NAME	Growth Rate	Maximum Height	Shape	Screening	Fall Color	Flowers	Bank	Tolerates Poor Drainage	Diseases	Insects	Other		COMMENTS:
DECIDUOUS														
American Beech	Fagus grandifolia	S	80-100'	G		X								Large Canopy size
Ash, Green,	Fraxinus pennsylvanica	F	50-80'	G					X	X	X			Do not plant in heavy clay soil; use named varieties
Ash, White	Fraxinus americana	M	50-80'	G		X				X	X			Do not plant in heavy clay soil.
Bald-cypress	Taxodium distichum	M	50-80'	NP				X	X		X			Produces small leaves that do not need raking.
River birch	Betula nigra	F	40-70'	S				X	X					Subject to draught problems; may be multistem; go var. "Heritage"
Chastetree (Vitex)	Vitex agnuscastus	M	15-20'	S			X							Urban, multi-stem
Elm, American	Ulmus Americana	M	70-80'	C					X					Urban tolerant
Elm, lacebark	Ulmus pervifolia	M	40-50'	G				X						Resistent to Dutch Elm Disease.
Elm, Winged	Ulmus alata	M	70-80'	C					X					Urban tolerant
Golden Raintree	Koelreuteria paniculata	M	20-40'	G		X	X		X					Small canopy size
Gingko	Ginkgo biloba	S	50-80'	NP		X			X					Plant grafted male only; pest free; tolerates pollution.
Hackberry	Celtis occidentalis	F	40-60'	S				X	X					Witches broom can develop.
Maple, red	Acer rubrum	F		BP		X			X					Can clog sewer lines; some shallow roots; use named varieties.
Maple, sugar	Acer saccharum	M	50-75'	BP		X								Best fall colors; good soils preferred; some shallow roots.

Maple, Trident	Acer buegerianum	M	20-45'	G		X						Urban tolerant
Jak, laurel	Quercus laurifolia	M-F	60-80'	BP								Semi evergreen leaves; use var. "Darlington".
Oak, Northern red	Quercus rubra	M-F		BP		X			X			Holds leaves in winter; drops lots of nuts; toughest of the oaks.
Oak, sawtooth	Quercus acutissima	M-F	35-70'	G						X		Good dark red fall color.
Oak, shumard	Quercus shumardii	M-F	40-80'	BP		X			X			
Oak, southern red	Quercus falcata	M-F	70-80'	BP		X			X			May hold leaves; very long lived.
Oak, white	Quercus alba	S		BP		X		X				Majestic tree; most common tree in Charlotte.
Oak, willow	Quercus phellos	F		BP								May develop cankers which can girdle limbs.
Pagoda Tree, Japanese	Sophora japonica "Regent"	F	40-75'	G			X					Withstands harsh city conditions.
Planetree, London	Platanus acerifolia	F	60-100'	BP					X		X	Fruit is not a litter problem in var. "roundiloba".
Redwood, Dawn	Metasquoia glyptostroboides	F	75-100'	NP	X	X			X			Urban tolerant
Tulip-Poplar	Liriodendron tulipifera	F	60-90'	NP		X	X					Resistant to Dutch Elm Disease.
Zelkova, Japanese	Zelkova serrata	F	50-80'	V		X		X				
EVERGREEN												
Cedar, Deodar	Cedrus deodara	M-F	40-70'	BP	X							Subject to winter injury up to age 15 years.
Cryptomeria, Japanese	Cryptomeria japonica	F	50-80'	NP	X							Unique red bark
Hemlock, Canadian	Tsuga canadensis	M	40-70'	G	X							Plant in partial shade and good soils.
Holly, American	Ilex opaca	S	30-60'	BP	X							
Holly, Nellie R. Stevens	Ilex x Nellie R. Stevens	F	15-20'	BP	X							Red berries
Holly, Yaupon	Ilex vomitoria	F	15-20'	S	X		X		X			
Magnolia, Southern	Magnolia grandiflora	M-F	50-80'	BP	X		X				X	Drops large leaves in spring and summer.
Magnolia, Cucumber	Magnolia acuminata	F	60-80'	C	X							
Pinus, Austrian	Pinus nigra	M	50-60'	BP	X							Tolerates city conditions.
Pinus, loblolly	Pinus taeda	F	40-60'	NP	X					X		Susceptible

5. The following species shall be used for Road Frontage Areas except species as approved by the Community Development Director: amended 10/24/05

All of the Parking Lot trees

Flowering Dogwood (S)

Ginko (M)

Sugar Maple (L)

Eastern Redbud (S) a) Make sure there is adequate room both overhead and underground for the mature size of the tree being planted. b) Vary the spacing of trees along the rights-of-way to add interest and diversity.

c) Consider the impact of overhead utilities, and other utility maintenance when placing trees.

6. The following species shall be used for Buffers except species as approved by the Community Development Director: (amended 10/24/05)

All of the evergreen trees provided on the approved species list.

Bald Cypress (M)

River Birch (M)

Crape Myrtle (S)

Flowering Dogwood (S)

Dawn Redwood (L)

a) When choosing buffer trees, select low branching or multi-trunk species that will provide a visual and physical buffering to the ground.

b) If year round dense screening is the desired effect, choose trees with dense evergreen foliage.

c) Plant trees in a staggered pattern instead of a single row.

S = small 15-25' M = medium 25-40'

L = large >40'