

## 180.05.05 – LANDSCAPING PLANT LIST

**Plant Materials List** (Requirements of the Town of Fuquay-Varina for Required Landscaping)

Species		Mature Height/Spread (in feet)	Native
Scientific Name	Common Name		
<b>LARGE DECIDUOUS TREES FOR STREET TREES, PARKING LOTS &amp; MEDIANS</b>			
Acer campestre	Hedge maple	25-35 / 25-35	N
Acer floridanum (A. barbatum)	Florida or Southern Sugar Maple	30-40 / 20-25	Y
Carpinus betulus	European Hornbeam	40-60 / 30-50	N
Celtis laevigata	Southern or Sugar Hackberry	60-80 / 50-60	Y
Celtis occidentalis	Common Hackberry	40-60 / 40-60	Y
Corylus colurna	Turkish Filbert	35-60 / 20-35	N
Fraxinus americana	White Ash	60-100 / 50-80	Y
Fraxinus pennsylvanica	Green Ash ( Marshall Seedless)	50-60 / 30-40	Y
Ginko biloba	Ginko	50-80 / 30-50	N
Gleditsia triacanthos var. inermis	Thornless Honeylocust (seedless)	30-70 / 30-40	N
Metasequoia glyptostroboides	Dawn Redwood	70-100 / 20-25	N
Nyssa sylvatica	Black Gum or Black Tupelo	30-50 / 20-30	Y
Platanus x acerifolia	London Planetree	70-100 / 60-80	N
Quercus alba	White Oak	70-75 / 40-50	Y
Quercus acutissima	Sawtooth Oak	30-45 / 30-40	N
Quercus bicolor	Swamp White Oak	50-60 / 50-60	Y
Quercus coccinea	Scarlet Oak	50-80 / 40-50	Y
Quercus falcata	Southern Red Oak	70-80 / 30-40	Y
Quercus hemisphaerica	Laurel Oak	40-50 / 30-40	Y
Quercus imbricaria	Shingle Oak	50-60 / 40-60	N
Quercus laurifolia	Swamp or Darlington Oak	40-60 / 30-40	Y
Quercus lyrata	Overcup Oak	40-60 / 40-60	Y
Quercus nigra	Water Oak	50-80 / 40-60	Y
Quercus palustris	Pin Oak	70-90 / 40-50	Y
Quercus phellos	Willow Oak	40-80 / 30-60	Y
Quercus prinus	Chestnut Oak	60-70 / 60-70	Y
Quercus rubra	Eastern Red Oak	50-70 / 40-60	Y
Quercus shumardii	Shumard Oak	70-75 / 40-50	Y
Quercus velutina	Black Oak	50-60 / 50-60	Y
Styphnolobium japonicum	Japanese Pagoda	50-70 / 50	N
Taxodium distichum	Bald Cypress	50-80 / 30-50	Y
Ulmus parvifolia	Lacebark Elm	40-50 / 40-50	N
Zelkova serrata	Japanese Zelkova	50-60 / 40-50	N

Species		Mature Height/Spread (in feet)	Native
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<b>LARGE DECIDUOUS TREES FOR PERIMETER &amp; THOUROUGHFARE BUFFERS</b>			
Acer rubrum	Red Maple	35-60 / 20-50	Y
Acer saccharum	Sugar Maple	60-80 / 40-60	Y
Betula nigra	River Birch	40-80 / 30-60	Y
Carya illinoensis	Pecan	50-70 / 30-70	Y
Carya ovata	Shagbark Hickory	60-80 / 35-50	Y
Cladrastis kentukea	Yellowwood	30-50 / 40-50	Y
Cladrastis lutea	Yellowwood	30-45 / 40-45	Y
Diospyros virginiana	Common Persimmon	35-60 / 20-35	Y
Fagus grandifolia	American Beech	60-80 / 40-60	Y
Fraxinus americana	White Ash	60-100 / 50-80	Y
Fraxinus pennsylvanica	Green Ash ( Marshall Seedless)	50-60 / 30-40	Y
Juglans nigra	Eastern Black Walnut	50-80 / 30-60	Y
Liriodendron tulipifera	Tulip Poplar	60-80 / 30-50	Y
Magnolia acuminata	Cucumber Magnolia	50-70 / 30-50	Y
Nyssa sylvatica	Black Gum or Black Tupelo	30-50 / 20-30	Y
Platanus occidentalis	American Sycamore	75-100 / 60-80	Y
Quercus acutissima	Sawtooth Oak	35-45 / 35-45	N
Quercus alba	White Oak	70-75 / 40-50	Y
Quercus coccinea	Scarlet Oak	50-80 / 40-50	Y
Quercus falcata	Southern Red Oak	70-80 / 30-40	Y
Quercus hemisphaerica	Laurel Oak	40-50 / 30-40	Y
Quercus nigra	Water Oak	50-80 / 40-60	Y
Quercus nutallii	Nuttall Oak	40-60 / 30-50	N
Quercus palustris	Pin Oak	70-90 / 40-50	Y
Quercus phellos	Willow Oak	40-80 / 30-60	Y
Quercus rubra	Eastern Red Oak	50-70 / 40-60	Y
Quercus shumardii	Shumard Oak	70-75 / 40-50	Y
Quercus velutina	Black Oak	50-60 / 50-60	Y
Taxodium distichum	Bald Cypress	50-80 / 30-50	Y

Species		Mature Height/Spread (in feet)	Native
Scientific Name	Common Name		
<b>SMALL DECIDUOUS TREES FOR PERIMETER &amp; THOROUGHFARE BUFFERS</b> (# appropriate as a street tree) (* appropriate as a street tree or in a buffer under utility lines)			
Acer buergerianum # *	Trident Maple	25-35 / 20-30	N
Acer ginnala # *	Amur Maple	15-20 / 15-25	N
Acer japonicum #	Fullmoon Maple	15-25 / 15-30	N
Acer leucoderme #	Chalkbark Maple	25-30 / 15-20	Y
Acer palmatum *	Japanese Maple	15-25 / 10-25	N
Acer truncatum #	Shadblow Maple	20-25 / 20-25	N
Aesculus glabra *	Buckeye	20-30 / 20-35	Y
Amelanchier arborea	Downy Serviceberry	15-25 / 15-20	Y
Amelanchier canadensis *	Juneberry	6-20 / 15-20	Y
Carpinus caroliniana # *	American Hornbeam or Ironwood	20-30 / 20-30	Y
Cercis canadensis *	Eastern Redbud	20-30 / 20-30	Y
Chionanthus retusus	Chinese Fringe Tree	15-25 / 15-25	N
Chionanthus virginicus *	Fringe Tree	10-20 / 10-20	Y
Cornus florida *	Flowering Dogwood	15-30 / 15-20	Y
Cornus kousa *	Kousa Dogwood	20-30 / 15-20	N
Cornus mas	Corneliancherry Dogwood	20-30 / 15-20	N
Cotinus coggygria *	Smoketree	10-15 / 8-14	N
Crataegus native varieites	Hawthorn	varies	Y
Halesia carolina	Carolina Silverbell	20-30 / 15-20	Y
Hamamelis mollis *	Chinese Witchhazel	10-15 / 10-20	N
Hamamelis virginiana	Common Witchhazel	15-20 / 15-20	Y
Ilex decidua	Possumhaw	20-30 / 15-30	Y
Koelreuteria paniculata *	Golden Raintree	20-30 / 15-20	N
Lagerstroemia indica *	Crape Myrtle	15-25 / 10-20	N
Magnolia x loebre	Loebner Magnolia	20-30 / 20-30	N
Magnolia soulangiana *	Saucer Magnolia	20-30 / 15-25	N
Magnolia stellata	Star Magnolia	15-18 / 10-15	N
Malus hybrida and cultivars *	Flowering Crab Apple	15-25 / 10-20	N
Ostrya virginiana #	American Hornbeam	25-40 / 20-30	Y
Oxydendrum arboreum	Sourwood	25-30 / 20-25	Y
Prunus caroliniana *	Carolina Cherry Laurel	20-30 / 15-20	Y
Prunus cerasifera *	Purpleleaf Plum	15-25 / 15-20	N
Prunus 'okame'	Okame Cherry	20-30 / 20-30	N
Prunus subhirtella var. pendula & autumnalis	Weeping & Autumn Higan Cherries	20-30 / 15-20	N
Rhus copallinum	Flameleaf Sumac	10-15 / 10-12	Y
Rhus typhina	Staghorn Sumac	15-25 / 15-25	Y
Sassafras albidum	Sassafras	30-60 / 25-40	Y
Styrax japonicus *	Japanese Snowball	20-30 / 20-30	N
Vitex angus-castus	Chastetree	15-20 / 10-15	N

Species		Mature Height/Spread (in feet)	Native
Scientific Name	Common Name		
<b>LARGE EVERGREEN TREES FOR PERIMETER &amp; THOUROUGHFARE BUFFERS</b>			
Cedrus deodara	Deodor Cedar	30-50 / 30-40	N
Cryptomeria japonica	Japanese Cryptomeria	50-60 / 25-35	N
X Cupressocyparis leylandii	leyland Cypress	60-70 / 10-15	N
Juniperus virginiana	Eastern Red Cedar	40-50 / 8-20	Y
Magnolia grandiflora	Southern Magnolia	50-80 / 30-40	Y
Pinus native varieties	Native Pines	varies	Y
Pinus sylvestris	Scotch Pine	40-70 / 20-35	N
Pinus thunbergii	Japanese Black Pine	50-70 / 20-25	N
Quercus hemisphaerica	Laurel or Darlington Oak	40-60 / 30-40	Y
Thuja occidentalis	American Arborvitae	40-60 / 10-15	Y
Tsuga caroliniana	Carolina Hemlock	30-70 / 20-25	Y

Species		Mature Height/Spread (in feet)	Native
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<b>SMALL EVERGREEN TREES FOR PERIMETER &amp; THOUROUGHFARE BUFFERS</b>			
Ilex x attenuata 'Fosteri'	Foster Holly	20-30 / 7-10	N
Ilex attenuata x 'Savannah'	Savannah Holly	25-30 / 10-15	N
Ilex cassine *(St tree under utilities)	Dahoon	20-30 / 10-15	Y
Ilex latifolia	Lusterleaf Holly	20-25 / 15-20	N
Ilex x 'Nellie Stevens'	Nellie Stevens Holly	15-25 / 10-15	N
Ilex opaca	American Holly	15-30 / 10-20	Y
Ilex vomitoria	Yaupon Holly	10-20 / 8-15	Y
Magnolia virginiana	Sweetbay Magnolia	10-60 / 10-20	Y
Osmanthus americanus	Devilwood	15-25 / 10-20	Y
Pinus virginiana	Virginia Pine	15-40 / 10-30	Y
Platycladus orientalis	Oriental Arborvitae	18-25 / 10-15	Y
Prunus caroliniana	Carolina Cherry Laurel	20-30 / 15-20	Y

Species		Mature Height/Spread (in feet)	Native
Scientific Name	Common Name		
<b>DECIDUOUS SHRUBS</b>			
<i>Aesculus parviflora</i>	Bottlebush Buckeye	6-10 / 8-15	N
<i>Amorpha fruticosa</i>	Indigobush Amorpha	10-12 / 7-8	Y
<i>Aronia arbutifolia</i>	Red Chokeberry	6-10 / 3-6	Y
<i>Aronia melanocarpa</i>	Black Chokeberry	6-10 / 3-6	Y
<i>Baccharis halimifolia</i>	Groundsel Tree	5-12 / 5-7	Y
<i>Buddleia davidii</i>	Butterfly Bush	5-12 / 8-10	N
<i>Callicarpa americana</i>	American Beautyberry	3-6 / 3-6	Y
<i>Calycanthus floridus</i>	Carolina Allspice	6-10 / 6-12	Y
<i>Caryopteris x clandonensis</i>	Blue Spirea	3-4 / 4-5	N
<i>Ceanothus americanus</i>	New Jersey Tea	3-4 / 3-5	Y
<i>Cephalanthus occidentalis</i>	Buttonbush	5-12 / 4-8	Y
<i>Chaenomeles speciosa</i>	Flowering Quince	8-10 / 5-6	N
<i>Clethra alnifolia</i>	Sweet Pepperbush	3-8 / 4-6	Y
<i>Cornus racemosa</i>	Gray Dogwood	10/15 / 10-15	Y
<i>Cotoneaster divaricatus</i>	Spreading Cotoneaster	5-6 / 6-7	N
<i>Diervilla sessilifolia</i>	Southern Bush Honeysuckle	3-5 / 3-5	Y
<i>Euonymus alatus</i>	Winged Burning Bush	15-20 / 3-5	N
<i>Fothergilla gardenii</i>	Dwarf Fothergilla	3-5 / 3-4	Y
<i>Hamamelis vernalis</i>	Vernal Witch Hazel	6-10 / 10-15	Y
<i>Hydrangea arborescens</i>	Smooth Hydrangea	3-5 / 3-5	Y
<i>Hydrangea arborescens</i> var. <i>Grandiflora</i>	Snowhill Hydrangea	3-4 / 3-5	Y
<i>Hydrangea quercifolia</i>	Oakleaf Hydrangea	6-8 / 3-5	Y
<i>Hypericum densiflorum</i>	Dense Hpericum	2-3 / 2-3	Y
<i>Hypericum prolificum</i>	Shrubby St. Johnswort	2-4 / 2-4	Y
<i>Ilex verticillata</i>	Winterberry	6-15 / 6-10	Y
<i>Itea virginica</i>	Virginia Sweetspire	3-8 / 3-5	Y
<i>Myrica</i> varieties	Wax Myrtle and Bayberry varieties	8-12 / 3-8	Y
<i>Philadelphus coronarius</i>	Sweet Mockorange	10-12 / 10-12	N
<i>Physocarpus opulifolius</i>	Ninebark	5-8 / 6-10	Y
<i>Rhododendron</i> native varieties	Native Azaleas	varies	Y
<i>Rhus aromatica</i>	Fragrant Sumac	2-6 / 3-6	Y
<i>Rhus glabra</i>	Smooth Sumac	10-15 / 10-15	Y
<i>Rosa carolina</i>	Carolina Rose	3-6 / 3-5	Y
<i>Rosa rugosa</i>	Rugose Rose	4-6 / 4-6	N
<i>Sambucus canadensis</i>	American Elder	5-12 / 5-12	Y
<i>Spiraea</i> varieities	Spirea	varies	N
<i>Syringa meyeri</i>	Meyer Lilac	4-8 / 8-10	N
<i>Viburnum</i> varieities	Viburnum	varies	Y & N
<i>Zenobia pulverulenta</i>	Dusty Zenodia	3-6 / 3-6	Y

Species		Mature Height/Spread (in feet)	Native
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<b>EVERGREEN SHRUBS</b>			
Abelia x grandiflora	Glossy Abelia	4-6 / 3-5	N
Abelia x grandiflora 'Edward Goucher'	Glossy Abelia 'Edward Goucher'	2-3 / 3-4	N
Abelia x grandiflora 'Sherwood'	Glossy Abelia 'Sherwood'	2-3 / 2-3	N
Aucuba japonica	Japanese Aucuba	4-5 / 3-4	N
Azalea hybrids	Hybrid Azalea	4-6 / 3-4	Y
Berberis julianae	Wintergreen Barberry	4-6 / 2-5	N
Buxus varieties	Boxwood	varies	N
Camellia japonica	Camellia	8-10 / 5-7	N
Camellia sasanqua	Sasanqua Camellia	8-10 / 5-7	N
Cryptomeria japonica 'Globosa Nana'	Dwarf Japanese Cryptomeria	2-3 / 3'	N
Cytisus scoparius	Scotch Broom	5-6 / 3-5	N
Distylium varieities	Distylium	varies	N
Elaeagnus x ebbingei	Elaeagnus	8-10 / 6-10	N
Euonymus japonicus	Dwarf Japanese Euonymus	8-10 / 5-6	N
Gardenia jasminoides	Dwarf Gardenia	1-2 / 2-3	N
Gardenia jasminoides 'Radicans'	Creeping Gardenia	1-2 / 2-3	N
Hydrangea macrophylla	Bigleaf Hydrangea	6-8 / 6-8	N
Ilex varieties	Holly	varies	Y & N
Illicium floridanum	Anise Tree	10-15 / 6-8	Y
Illicium floridanum 'Aztec Fire"	Aztec Fire	6-8 / 4-6	Y
Illicium parviflorum	Hardy Anise Shrub	15-20 / 10-15	Y
Juniperus chinensis	Chinese Juniper	10-12 / 10-12	N
Juniperus davurica 'Expansa'	Parsons Juniper	2-3 / 4-7	N
Kalmia latifolia	Mountain Laurel	5-8 / 5-8	Y
Loropetalum chinense	Fringe Flower	6-10 / 6-10	N
Myrica cerifera	Southern Waxmyrtle	10-12 / 8-10	Y
Nandina domestica dwarf cultivars	Dwarf Heavenly Bamboo	1-3 / 1-3	N
Osmanthus varieites	Osmanthus	varies	N
Pittosporum tobira	Pittosporum	8-10 / 6-9	N
Prunus laurocerasus compact var.	English Laurel	3-4 / 5-7	N
Taxus cuspidata	Japanese Yew	4-6 / 5-7	N
Ternstroemia gymnanthera	Cleyera	8-10 / 5-6	N
Viburnum japonicum	Japanese Viburnum	10-12 / 8-10	N

Species		Mature Height/Spread (in feet)	Native
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<b>GROUNDCOVERS FOR LANDSCAPE ISLANDS &amp; MEDIANS</b>			
Cotoneaster horizontalis	Rockspray Cotoneaster	2-3 / 5-8	N
Hypericum calycinum	Aaronsbeard	12"-18"	N
Juniperus conferta	Shore Juniper	12"-18" / 4-6	N
Juniperus chinensis var sargentii	Sargent Juniper	1' / 6-8	N
Juniperus horizontallis	Creeping Juniper	12"-18" / 3-5	N
Liriope muscari	Lillyturf	12"-18" / 12"-18"	N
Ophiopogon japonicus	Mondo Grass	6"-10"	N
Santolina chamaecyparissus	Lavendar-Cotton	1-2 / 3-4	N
Santolina virens	Green Santolina	12"-18" / 2-3	N
Teucrium chamaedrys	Germander	10"-12" / 8"-10"	N

Substitute plant material may be permitted with approval by the Planning Department.