

SHADE TREE COMMISSION  
RECOMMENDED TREES

<b>ORNAMENTAL TREES</b>				
	Botanical Name	Common Name	Height	Spread
*	<i>Aesculus</i> spp.	Red Buckeye	10'-20'	10'-20'
*	<i>Amelanchier</i> spp.	Allegheny Serviceberry	15'-25'	variable
		<i>Note: Used to best advantage in naturalistic plantings</i>		
*	<i>Cercis canadensis</i>	Eastern Redbud	20'-30'	25'-35'
*	<i>Chionanthus virginicus</i>	Fringe Tree	12'-20'	same
*	<i>Cladrastis kentukea</i>	Yellowwood	30'-50'	40--55'
		<i>Note: Early pruning necessary for good form</i>		
*	<i>Cornus florida</i>	Flowering Dogwood	variable w/ location	same or greater
	<i>Lagerstroemia Hybrids</i>	Crapemyrtle Hybrids	variable	variable
		<i>Note: Look for hardiness in Zone 6</i>		
*	<i>Magnolia virginiana</i>	Sweetbay or Swamp Magnolia	10'-20'	same
	<i>Malus Hybrids</i>	Crabapple Hybrids	20'-35'	variable
		<i>Note: Look for disease resistance</i>		
	<i>Prunus</i> 'Hally Jolivette'	Hally Jolivette Cherry	15'-20'	same
		<i>Note: Fully double flowers; long bloom time</i>		
	<i>Prunus serrulata</i> 'Kwanzan'	Kwanzan Japanese Flowering Cherry	30'-40'	same
	<i>Prunus subhirtella</i> 'Pendula Plena Rosea'	Weeping Higan Cherry	20'-40'	15'-30'
	<i>Prunus x yedoensis</i>	Yoshino Cherry	20'-30'	same or greater
	<i>Syringa reticulata</i> 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	20'-30'	15'-25'
	<i>* denotes North American native species</i>			

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<b>SHRUBS</b>				
	<b>Botanical Name</b>	<b>Common Name</b>	<b>Height</b>	<b>Spread</b>
*	<i>Aronia arbutifolia</i>	Red Choke Cherry	6'-10'	3'-5'
	<i>Corylopsis glabrescens</i>	Fragrant Witchhazel	8'-15'	same
		<i>Note: Acid soil; see various cultivars for flower colors</i>		
	<i>Cotinus coggygria cultivars</i>	Purple Smokebush Cultivars	variable (8'-20')	variable
	<i>Hamamelis Hybrids</i>	Witchhazel Hybrids	6'-10'	variable
		<i>Note: See various hybrids for flower colors</i>		
	<i>Hamamelis vernalis</i>	Vernal Witchhazel	6'-10'	greater
	<i>Ilex crenata cultivars</i>	Japanese Holly Cultivars	variable	variable
*	<i>Ilex glabra</i>	Inkberry Holly	6'-8'	8'-10'
*	<i>Ilex verticillata</i>	Common Winterberry	6'-10'	same
		<i>Note: Need a male plant to pollinate females</i>		
*	<i>Rhododendron prunifolium</i>	Plumleaf Azalea	8' (in NJ)	5' (6')
		<i>Note: blooms in July; morning sun; moist, acid soil</i>		
	<i>Spiraea thunbergii</i>	Thunberg Spirea	3'-5'	same or greater
*	<i>Viburnum dentatum</i>	Arrowwood Viburnum	6'-8' (15')	6'-15'
	<i>*denotes North American native species</i>			

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<b>PLANTINGS IN WOODED SETTINGS</b>				
	Botanical Name	Common Name	Height	Spread
*	<i>Amelanchier</i> spp.	Allegheny Serviceberry	15'-25'	variable
		<i>Note: partial shade; acid soil</i>		
*	<i>Cercis canadensis</i>	Eastern Redbud	20'-30'	25'-35'
		<i>Note: light shade; moist soil</i>		
*	<i>Clethra alnifolia</i>	Summersweet Clethra	4'-8' (12')	4'-6' (10')
		<i>Note: partial shade; acid soil</i>		
*	<i>Cornus florida</i>	Flowering Dogwood	variable (20')	same or greater
		<i>Note: partial shade; acid, cool, moist soil</i>		
	<i>Corylopsis pauciflora</i>	Buttercup Witchhazel	4'-6'	same or greater
		<i>Note: light shade; needs protection from wind</i>		
	<i>Corylopsis spicata</i>	Spike Witchhazel	4'-6'	greater
		<i>Note: light shade; needs protection from wind</i>		
*	<i>Halesia diptera</i>	Two-Winged Silverbell	20'-30'	same
		<i>Note: understory tree; moist, acid soil</i>		
*	<i>Halesia tetraptera</i>	Carolina Silverbell	30'-35'	20'-25'
		<i>Note: understory tree; moist, acid soil</i>		
*	<i>Ilex glabra</i>	Inkberry Holly	6'-8'	8'-10'
		<i>Note: partial shade; moist, acid soil</i>		
*	<i>Ilex verticillata</i>	Common Winterberry	6'-10'	same
		<i>Note: light shade; need a male plant to pollinate females</i>		
*	<i>Kalmia latifolia</i>	Mountain Laurel	7'-15'	same
		<i>Note: partial to full shade; acid, cool, moist soil</i>		
*	<i>Mahonia aquifolium</i>	Oregon Grapeholly	3'-6' (9')	3'-5'
		<i>Note: full shade; will sucker to form colonies; needs wind protection; moist, acid soil</i>		
*	<i>Mahonia aquifolium</i> 'Apollo'	Apollo Oregon Grapeholly	+/- 2'	same
		<i>Note: good ground cover</i>		

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	<b>Botanical Name</b>	<b>Common Name</b>	<b>Height</b>	<b>Spread</b>
*	<i>Mahonia aquifolium</i> 'King's Ransom'	King's Ransom Oregon Grapeholly	5'	less than height
		<i>Note: good specimen</i>		
*	<i>Rhododendron maximum</i>	Rosebay Rhododendron	4'-15'	same or greater
		<i>Note: understory shrub; acid, cool, moist soil; needs well drained root run</i>		
*	<i>Rhododendron prunifolium</i>	Plumleaf Azalea	8' (in NJ)	5' (6')
		<i>Note: Blooms in July; morning sun; moist, acid soil</i>		
	*denotes North American native species			

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<b>PLANTINGS IN AND AROUND DETENTION BASINS</b>				
	Botanical Name	Common Name	Height	Spread
*	<i>Acer rubrum</i> 'October Glory'	October Glory Red Maple	40'-50'	same
*	<i>Acer rubrum</i> "Red Sunset"	Red Sunset Red Maple	45'-50'	35'-40'
*	<i>Amelanchier</i> spp.	Allegheny Serviceberry	15'-25'	variable
*	<i>Aronia arbutifolia</i>	Red Choke Cherry	6'-10'	3'-5'
*	<i>Clethra alnifolia</i>	Summersweet Clethra	4'-8' (12')	4'-6' (10')
	<i>Hamamelis Hybrids</i>	Witchhazel Hybrids	6'-10'	variable
		<i>Note: See various hybrids for flower colors</i>		
	<i>Hamamelis vernalis</i>	Vernal Witchhazel	6'-10'	greater
		<i>Note: Acid soil</i>		
*	<i>Ilex verticillata</i>	Common Winterberry	6'-10'	same
		<i>Note: Need a male plant to pollinate females</i>		
*	<i>Liquidambar styraciflua</i> 'Rotundiloba'	Rotundiloba Sweetgum	60'-75'	same
		<i>Note: Seedless</i>		
	<i>Salix alba</i> 'Tristis'	Golden Weeping Willow	50'-70'	same
		<i>Note: Must be planted near water</i>		
*	<i>Viburnum dentatum</i>	Arrowwood Viburnum	6'-8' (15')	6'-15'
*	<i>Viburnum lentago</i>	Nannyberry Viburnum	15'-18'	10' or greater
	* denotes North American native species			

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<b>TREES FOR LARGE OPEN AREAS</b>				
	<b>Botanical Name</b>	<b>Common Name</b>	<b>Height</b>	<b>Spread</b>
*	<i>Acer saccharum</i>	Sugar Maple	60'-75'	2/3 of height
				Can be variable
	<i>Fagus sylvatica</i> 'Pendula'	Weeping European Beech	50'-60' (100')	35'-45' (70')
		<i>Note: Slow growing 9'-12'/10 years; branching to the ground. There is no finer specimen tree.</i>		
	<i>Gingko biloba</i> (male only)	Gingko Tree	50'-80'	variable 30'-40'
*	<i>Ilex opaca</i>	American Holly	18'-40'	10'-30'
		<i>Note: Planting site needs protection from wind</i>		
	<i>Liquidambar styraciflua</i> 'Rotundiloba'	Rotundiloba Sweetgum - seedless	60'-75'	same
	<i>Metasequoia glyptostroboides</i>	Dawn Redwood	70'-100' (120')	40'-50'
	<i>Platanus x acerifolis</i> 'Bloodgood'	London Plane Tree	50'-70' (100')	40'-65' (80')
		<i>Note: Resistant to Anthracnose</i>		
*	<i>Quercus alba</i>	White Oak	50'-80'	greater than height
		<i>Note: Resistant to Bacterial Leaf Scorch</i>		
*	<i>Quercus bicolor</i>	Swamp White Oak	50'-60' (80')	same or greater
		<i>Note: Requires acid soil</i>		
*	<i>Quercus macrocarpa</i>	Bur Oak (White Oak Family)	70'-80'	same or greater
*	<i>Quercus prinus</i>	Chestnut Oak	60'-70'	same
*	<i>Tilia americana</i> 'Redmond'	Redmond American Linden	60'-80'	1/2 - 2/3 of height
*	<i>Ulmus americana</i> 'Princeton'	Princeton Elm	60'-80'	same
		<i>Note: Resistant to Dutch Elm Disease</i>		
*	<i>Ulmus americana</i> 'Washington'	Washington Elm	70'-80'	same
		<i>Note: Resistant to Dutch Elm Disease</i>		
	<i>Zelkova serrata</i> 'Green Vase'	Green Vase Japanese Zelkova	60'-70'	40'-50'
	<i>Zelkova serrata</i> 'Village Green'	Village Green Japanese Zelkova	60'-70'	same
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**TREES FOR LESS THAN 30" LAWN STRIP**

Botanical Name	Common Name	Height	Spread
<i>Acer buergerianum</i>	Trident Maple	20'-35'	same
<i>Acer campestre</i> 'Queen Elizabeth'	Queen Elizabeth Hedge Maple	25'-35' (45')	30'-35'
	<i>Note: Good urban tree</i>		
<i>Acer tataricum</i>	Tatarian Maple	15'-20' (30')	same
<i>Carpinus betulus</i> 'Fastigiata'	Fastigate European Hornbeam	25'-30'	15'-20'
<i>Carpinus betulus</i> 'Franz Fontaine'	Franz Fontaine European Hornbeam	30'-35'	15'-18'
<i>Koelreuteria paniculata</i> 'Rose Lantern'	Rose Lantern Goldenraintree	25'-35'	same or greater
	<i>Note: Flowers in August</i>		
<i>Prunus serrulata</i> 'Royal Burgundy'	Royal Burgundy Japanese Flowering Cherry	20'-25'	15'-20'
<i>Syringa reticulata japonica</i> 'Ivory Silk'	Ivory Silk Tree Lilac	20'-30'	15'-25'
<b>NOTE: ALL OF THE TREES LISTED ABOVE CAN ALSO BE USED IN THE 2'6" to 4' LAWN STRIP AREA</b>			

**20'-25'**

Botanical Name	Common Name	Height	Spread
<i>Acer burgerianum</i>	Trident Maple	20'-25'	20'-25'
<i>Acer leycoderme</i>	Chalkbark Maple	20'-25'	25'
<i>Acer miyabei</i>	Miyabei Maple	30'-40'	same
<i>Acer truncatum</i>	Purpleblow Maple	25'-35'	20'-25'
* <i>Acer truncatum</i> 'Norwegian Sunset'	Norwegian Sunset Shantung Maple	25'-35'	same
<i>Carpinus betulus</i>	European Hornbeam	40'-60'	30'-40'
<i>Carpinus Caroliniana</i>	Ironwood, Musclewood	30'	25'
<i>Corylus colurna</i>	Turkish Filbert or Hazel	40'-50'	1/3 - 2/3 of height
	<i>Note: Highly rated street tree</i>		
<i>Koelreuteria paniculata</i>	Goldenraintree	30'-40'	same or greater
	<i>Note: Flowers in July</i>		
<i>Maackia amurensis</i>	Amur Maackia	20'-30'	same
<i>Nyssa Sylvatica</i>	Black Tupelo, Black Gum	30'-60'	20'-40'

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	Botanical Name	Common Name	Height	Spread
*	<i>Ostrya virginiana</i>	American Hophornbeam or Ironwood	25'-40'	2/3 - equal
		<i>Note: Used as street tree in Boston</i>	Averages 30' in NJ	
*	<i>Parrotia persica</i>	Persian Parrotia	20'-30'	same
	<i>Prunus sargentii</i>	Sargent Cherry	30'-40' (50')	same
		<i>Note: Early pruning necessary for good form</i>		
	<i>Quercus acutissima</i>	Sawtooth Oak	50'	40'
	<i>Quercus muhlenbergii</i>	Chinkapin Oak	30'-50'	30'-60'
	<i>Tilia Clordata</i>	Little-leaf Linden Greenspire	40'-50'	35'
<b>* CAN ALSO BE USED IN LESS THAN 30" LAWN STRIP</b>				
<b>TREES FOR MORE THAN 4' WIDE AREA</b>				
	Botanical Name	Common Name	Height	Spread
*	<i>Acer rubrum</i> 'October Glory'	October Glory Red Maple	40'-50'	same
	<i>Acer rubrum</i> 'Red Sunset'	Red Sunset Maple	45'-50'	35'-40'
	<i>also known as Sophora japonica</i> 'Regent'	(Developed by Princeton Nurseries)		
	<i>Cercidiphyllum japonicum</i>	Katsura Tree	40'-60'	variable
	<i>Quercus phellos</i>	Willow Oak	40'-60'	30'-40'
*	<i>Styphnolobium japonicum</i> 'Regent'	Regent Japanese Pagoda Tree	50'-60' (75')	same
	<i>Tilia cordata</i> 'Greenspire'	Greenspire Little-leaf Linden	50'	same
		<i>Note: Early pruning necessary for good form</i>		
	<i>*denotes North American native species</i>			
<b>The Public Service Electric and Gas (PSE&amp;G) website and the National Arbor Day Foundation do not recommend tree height in excess of 25' for planting beneath powerlines. However, the above listings of trees that exceed that height would be an asset to the community when planted as shade trees on the opposite side of the street where powerlines are not an issue.</b>				