

**DEPARTMENT OF PUBLIC WORKS AND ENGINEERING  
DIVISION OF SHADE TREE**

**SUGGESTED TREES FOR MONMOUTH COUNTY**



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# SUGGESTED TREES FOR MONMOUTH COUNTY

The following is a list of suggested tree species compiled by the Monmouth County Department of Public Works and Engineering, and the Division of Shade Tree. This is a general list and is not all encompassing. Monmouth County has many diverse habitats and it is recommended that you consult a landscape architect or certified tree expert to determine what tree is appropriate for a specific site. Also please note that trees listed may be susceptible to deer browsing and it is recommended you refer to the Rutgers Cooperative Extension's fact sheets for landscape plants rated by deer resistance found at their web site (<http://njaes.rutgers.edu/deerresistance>).

## Tree placement in the streetscape:

Monmouth County Department of Public Works and Engineering, and the Division of Shade Tree recommends that new trees should be planted ideally in large areas where possible and on the opposite side of the sidewalk. In the case of tree pits the more soil volume available for the tree the better.

Narrow tree lawns or islands must be avoided when possible. New and replacement trees in an existing narrow tree lawn areas will require tree pit expansion. At times the existing tree pit in a narrow tree lawn should be expanded to provide a minimum width of five feet. We recommend a typical minimum tree pit size of five by eight feet in tree lawns. On the opposite side of the walk two to three times the diameter of the tree's rootball where possible. Attaining the minimum size may require cutting, removing, shifting and reconstructing sidewalks.

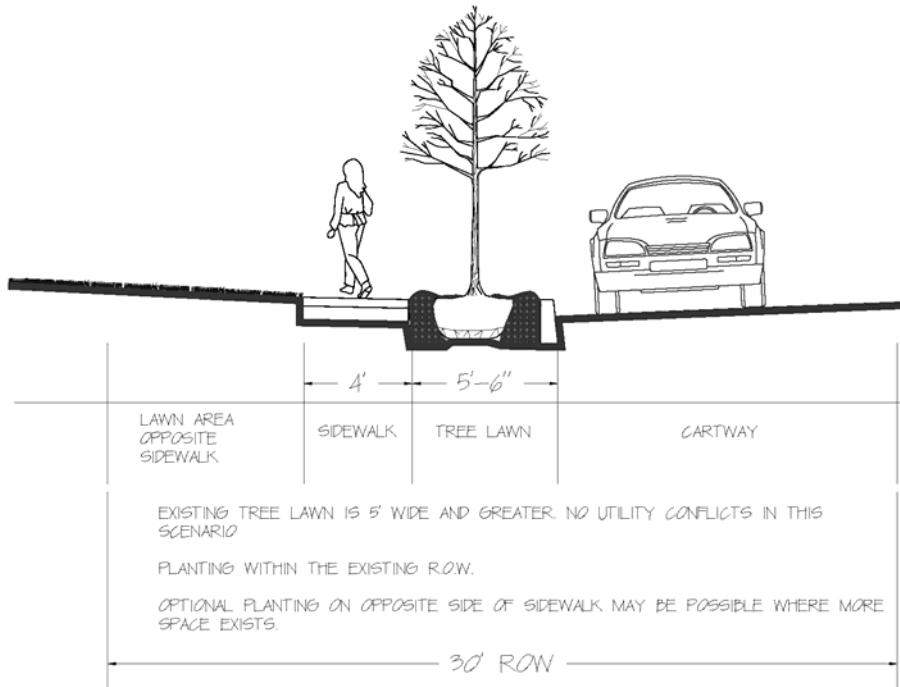
When changing a sidewalk all minimum widths for walks must be provided pursuant to NJDOT and current ADA Guidelines and meet your local municipalities' specifications. Proper permits from local municipalities must be attained prior to any work.

Photo of tree lawn with large shade trees on opposite side of side walk and shorter street tree beneath overhead utilities

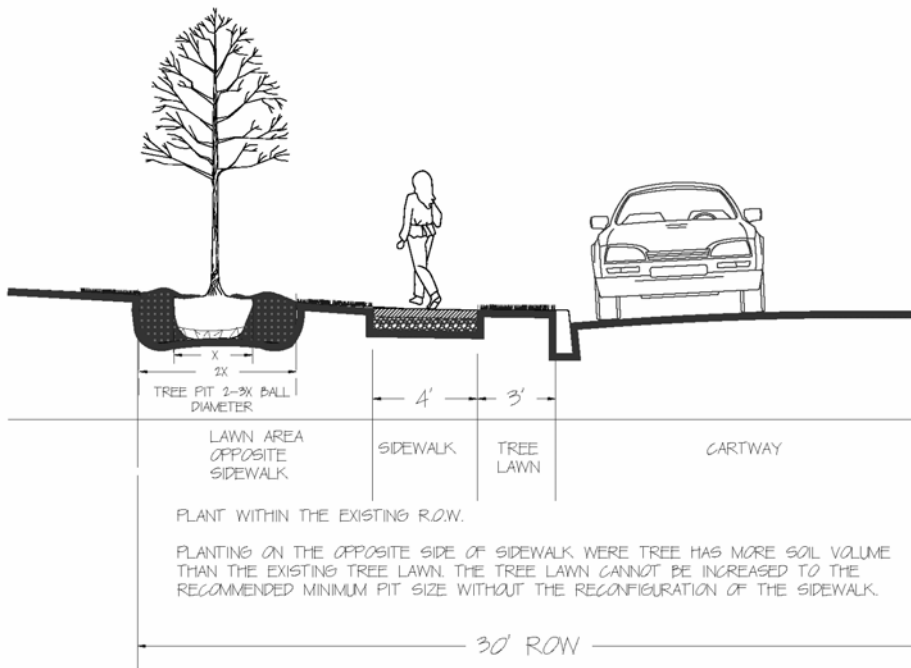


Photo of tree lawn with medium sized street trees (no overhead utilities)





**TREE PLANTING IN TREE LAWN**



**TREE PLANTING IN LAWN AREA OPPOSITE SIDEWALK**

**STREET TREE PLACEMENT**

*NOTE: This list is for general information purposes only and does not address the varied and specific existing conditions of your site. Please seek the professional advice of a NJ licensed landscape architect or a certified tree expert for final tree types appropriate for your specific site.*

### **Group A**

**Trees to be planted in tree lawns greater than 5 feet (60”) wide or on large lawn areas opposite the sidewalk.**

#### **Recommended Native Species**

Maple, Freeman	<i>Acer x freemanii</i>
Maple, Red	<i>Acer rubrum</i>
Hackberry, Common	<i>Celtis occidentalis</i>
Hackberry, Hybrid	<i>Celtis x ‘Magnifica’</i>
Locust, Honey (thornless variety)	<i>Gleditsia triacanthos var. inermis</i>
Coffee Tree, Kentucky	<i>Gymnocladus dioicus</i>
Gum, Sweet	<i>Liquidambar styraciflua</i>
Tulip Tree	<i>Liriodendron tulipifera</i>
Gum, Sour	<i>Nyssa sylvatica</i>
Sycamore	<i>Platanus occidentalis</i>
Oak, White	<i>Quercus alba</i>
Oak, Swamp White	<i>Quercus bicolor</i>
Oak, Scarlet	<i>Quercus coccinea</i>
Oak, Shingle	<i>Quercus imbricaria</i>
Oak, Bur	<i>Quercus macrocarpa</i>
Oak, Pin	<i>Quercus palustris</i>
Oak, Willow	<i>Quercus phellos</i>
Oak, Chestnut	<i>Quercus prinus</i>
Oak, Northern Red	<i>Quercus rubra</i>
Oak, Post	<i>Quercus stellata</i>
Cypress, Bald	<i>Taxodium distichum</i>
Linden, American	<i>Tilia americana</i>
Elm, American (resistant selections only)	<i>Ulmus americana</i>

#### **Some Acceptable Non-Native Species**

Katsura Tree	<i>Cercidiphyllum japonicum</i>
Rubber Tree, Hardy	<i>Eucommia ulmoides</i>
Beech, European	<i>Fagus sylvatica</i>
Ginkgo ( <u>Males Only</u> )	<i>Ginkgo biloba (<u>Males Only</u>)</i>
Redwood, Dawn	<i>Metasequoia glyptostroboides</i>
Oak, Sawtooth	<i>Quercus acutissima</i>
Oak, English	<i>Quercus robur</i>
Pagoda Tree, Japanese	<i>Styphnolobium japonicum</i>
Linden, Littleleaf	<i>Tilia cordata</i>
Linden, Silver	<i>Tilia tomentosa</i>

Planetree, London  
Elm, Lacebark  
Zelkova, Japanese

*Platanus x acerifolia*  
*Ulmus parvifolia*  
*Zelkova serrata*

### **Group B**

***Ornamental trees to be planted in tree lawns or on large lawn areas opposite the sidewalk.***

#### **Recommended Native Species**

Birch, River (single stem)  
Hornbeam, American  
Yellowwood, American  
Hop Hornbeam, American  
Cherry, Choke

*Betula nigra*  
*Carpinus caroliniana*  
*Cladrastis kentukea*  
*Ostrya virginiana*  
*Prunus virginiana*

#### **Some Acceptable Non-Native Species**

Hornbeam, European  
Hornbeam, European 'Fastigiata'  
Filbert, Turkish  
Maackia, Amur  
Cherry, Sargent  
Cherry, Kwanzan  
Cherry, Autumn Flowering  
Cherry, Yoshino

*Carpinus betulus*  
*Carpinus betulus* 'Fastigiata'  
*Corylus colurna*  
*Maackia amurensis*  
*Prunus sargentii*  
*Prunus serrulata* 'Kwanzan'  
*Prunus subhirtella* 'Autumnalis'  
*Prunus x yedoensis*

### **Group C**

***Trees to be planted in tree lawns or on large lawn areas opposite the sidewalk.***

#### **Recommended Native Species**

Serviceberry, Apple  
Serviceberry, Allegheny  
Redbud, Eastern  
Dogwood, Flowering (limited as street tree)  
Dogwood, Aurora  
Dogwood, Constellation  
Dogwood, Celestial  
Dogwood, Stellar Pink  
Dogwood, Ruth Ellen  
Silverbell, Carolina  
Sourwood  
Cherry, Choke

*Amelanchier x grandiflora*  
*Amelanchier laevis*  
*Cercis canadensis*  
*Cornus florida*  
*Cornus* 'Rutban'  
*Cornus* 'Rutcan'  
*Cornus* 'Rutdan'  
*Cornus* 'Rutgan'  
*Cornus* 'Rutlan'  
*Halesia tetraptera*  
*Oxydendrum arboreum*  
*Prunus virginiana*

#### **Some Acceptable Non-Native Species**

Maple, Trident  
Maple, Tatarian  
Dogwood, Kousa

*Acer buergerianum*  
*Acer tataricum*  
*Cornus kousa*

Stewartia, Korean  
Stewartia, Japanese  
Snowbell, Japanese  
Lilac, Japanese Tree

*Stewartia koreana*  
*Stewartia pseudocamellia*  
*Styrax japonicus*  
*Syringa reticulata*

### **Trees under or near overhead utilities (typically smaller than 25' in height)**

#### **Recommended Native Species**

Serviceberry, Apple  
Serviceberry, Allegheny  
Serviceberry, Shadblow  
Redbud, Eastern  
Dogwood, Flowering  
Dogwood, Aurora  
Dogwood, Constellation  
Dogwood, Celestial  
Dogwood, Stellar Pink  
Dogwood, Ruth Ellen  
Silverbell, Two-winged  
Silverbell, Carolina  
Sourwood  
Cherry, Choke

*Amelanchier x grandiflora*  
*Amelanchier laevis*  
*Amelanchier canadensis*  
*Cercis canadensis*  
*Cornus florida*  
*Cornus 'Rutban'*  
*Cornus 'Rutcan'*  
*Cornus 'Rutdan'*  
*Cornus 'Rutgan'*  
*Cornus 'Rutlan'*  
*Halesia diptera*  
*Halesia tetraptera*  
*Oxydendrum arboreum*  
*Prunus virginiana*

#### **Some Acceptable Non-Native Species**

Maple, Trident  
Maple, Tatarian  
Dogwood, Kousa  
Stewartia, Korean  
Stewartia, Japanese  
Snowbell, Japanese  
Snowbell, Fragrant  
Lilac, Japanese Tree

*Acer buergerianum*  
*Acer tataricum*  
*Cornus kousa*  
*Stewartia koreana*  
*Stewartia pseudocamellia*  
*Styrax japonicus*  
*Styrax obassia*  
*Syringa reticulata*

### **Large evergreens for screening**

#### **Recommended Native Species**

Holly, American  
Cedar, Eastern Red  
Spruce, White  
Spruce, Colorado  
Pine, Shortleaf  
Pine, Pitch  
Pine, Eastern White  
Pine, Virginia  
Fir, Douglas  
Arborvitae, Eastern

*Ilex opaca*  
*Juniperus virginiana*  
*Picea glauca*  
*Picea pungens*  
*Pinus echinata*  
*Pinus rigida*  
*Pinus strobus*  
*Pinus virginiana*  
*Pseudotsuga taxifolia*  
*Thuja occidentalis*

**Some Acceptable Non-Native Species**

Cypress, Leyland  
Spruce, Norway  
Pine, Himalayan

*X Cupressocyparis leylandii*  
*Picea abies*  
*Pinus griffithi*

***Trees for occasionally wet sites***

**Recommended Native Species**

Maple, Red  
Birch, River  
Hornbeam, American  
Cedar, Atlantic White  
Gum, Sweet  
Magnolia, Swamp  
Gum, Sour  
Sycamore  
Oak, Swamp White  
Oak, Pin  
Oak, Willow  
Cypress, Pond  
Cypress, Bald

*Acer rubrum*  
*Betula nigra*  
*Carpinus caroliniana*  
*Chamaecyparis thyoides*  
*Liquidambar styraciflua*  
*Magnolia virginiana*  
*Nyssa sylvatica*  
*Platanus occidentalis*  
*Quercus bicolor*  
*Quercus palustris*  
*Quercus phellos*  
*Taxodium ascendens*  
*Taxodium distichum*

***Invasive and weak wooded species Prohibited on County Roads***

Box Elder  
Maple, Norway  
Maple, Sycamore  
Maple, Silver  
Tree of Heaven  
Mulberry, Paper  
Poplar, White  
Poplar, Carolina  
Cottonwood, Eastern  
Aspen, Bigtooth  
Poplar, Black  
Poplar, Lombardy  
Aspen, European  
Aspen, Quaking  
Pears, Callery  
Locust, Black  
Willow, White  
Willow, Golden Weeping  
Willow, Weeping  
Willow, Hankow  
Willow, Black

*Acer negundo*  
*Acer platanoides*  
*Acer pseudoplatanus*  
*Acer saccharinum*  
*Ailanthus altissima*  
*Broussonetia papyrifera*  
*Populus alba*  
*Populus x canadensis*  
*Populus deltoides*  
*Populus grandidentata*  
*Populus nigra*  
*Populus nigra 'Italica'*  
*Populus tremula*  
*Populus tremuloides*  
*Pyrus calleryana*  
*Robinia pseudoacacia*  
*Salix alba*  
*Salix alba 'Tristis'*  
*Salix babylonica*  
*Salix matsudana*  
*Salix nigra*



## SUGGESTED SPECIES FOR THE SEASHORE

(Adapted from *Landscaping at the Seashore*, Rutgers Cooperative Extension Bulletin No 433, June 1985)

Following is a list of suggested species compiled by the Monmouth County Department of Public Works and Engineering, and the Division of Shade Tree for seashore areas in the County. This is a general list and should not be considered all encompassing. Monmouth County's seashores include diverse planting habitats and microclimates. We recommend consulting a landscape architect or certified tree expert to determine what is appropriate for a specific site. Please note that trees listed may be susceptible to deer browsing and it is also recommended you refer to the Rutgers Cooperative Extension's Fact Sheet for landscape plants rated by deer resistance found at their web site (<http://njaes.rutgers.edu/deerresistance>).

Minimum tree pit sizes shall be two to three times the diameter of the rootball or as suggested by your NJ licensed landscape architect or certified tree expert.

**NOTE:** *This list is for general information purposes only and does not address the varied and specific existing conditions of your site. Please seek the professional advice of a NJ licensed landscape architect and or a certified tree expert for final tree types appropriate for your specific site.*

The Shore Area will be described as four zones for planting purpose they are as follows:

Shore Zone 1: Oceanfront exposed to salt spray and wind

Shore Zone 2: First Ocean block

Shore Zone 3 Landward, second and third blocks from the Ocean

Shore Zone 4: Bayside, All plants in Shore Zones 1-3 are generally suitable for Zone 4.

### ***Shore Zone 1: Oceanfront exposed to salt spray and wind***

#### *Trees and Shrubs*

##### **Recommended Native Trees**

Cedar, Eastern Red (back of dune)

*Juniperus virginiana*

##### **Recommended Native Shrubs**

Holly, Inkberry

*Ilex glabra*

Waxmyrtle, Southern

*Myrica cerifera*

Bayberry, Northern

*Myrica pensylvanica*

Plum, Beach

*Prunus maritima*

Sumac, Shining

*Rhus copallina*

Sumac, Staghorn

*Rhus typhina*

Sumac, Smooth

*Rhus glabra*

##### **Some Acceptable Non-Native Shrubs**

Hydrangea, Bigleaf

*Hydrangea macrophylla*

Juniper, Pfitzer

*Juniperus chinensis* 'Pfitzeriana'

### **Native Grasses**

Beachgrass, American  
Bluestem, Little

*Ammophila brevigulata*  
*Andropogon scoparius*

## **Shore Zone 2: First ocean block**

### **Recommended Native Tall Trees**

Hackberry, Common  
Locust, Honey (thornless variety)  
Holly, American  
Cedar, Eastern Red  
Pine, Pitch  
Planetree, London

*Celtis occidentalis*  
*Gleditsia triacanthos var. inermis*  
*Ilex opaca*  
*Juniperus virginiana*  
*Pinus rigida*  
*Platanus x acerifolia*

### **Some Acceptable Non-Native Tall Trees**

Ginkgo (male only)  
Spruce, Colorado

*Ginkgo biloba*  
*Picea pungens*

### **Recommended Native Small Trees**

Serviceberry, Shadblow  
Arborvitae, Eastern  
Viburnum, Blackhaw

*Amelanchier canadensis*  
*Thuja occidentalis*  
*Viburnum prunifolium*

### **Some Acceptable Non-Native Small Trees**

Cherry, Japanese Flowering

*Prunus serrulata* & cultivars

## **Shore Zone 3: Landward second and third block from ocean**

### **Recommended Native Tall Trees**

Maple, Red  
Cedar, Atlantic White  
Persimmon, Common  
Gum, Sweet  
Gum, Sour  
Pine, Pitch  
Pine, Virginia  
Oak species  
Sassafras

*Acer rubrum*  
*Chamaecyparis thyoides*  
*Diospyros virginiana*  
*Liquidambar styraciflua*  
*Nyssa sylvatica*  
*Pinus rigida*  
*Pinus virginiana*  
*Quercus sp.*  
*Sassafras albidum*

### **Recommended Native Small Trees**

Dogwood, Flowering  
Magnolia, Swamp  
Cherry, Choke  
Viburnum, Nannyberry

*Cornus florida*  
*Magnolia virginiana*  
*Prunus virginiana*  
*Viburnum lentago*

## **Shore Zone 4: All plants suitable for Shore Zones 1-3**