

**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.

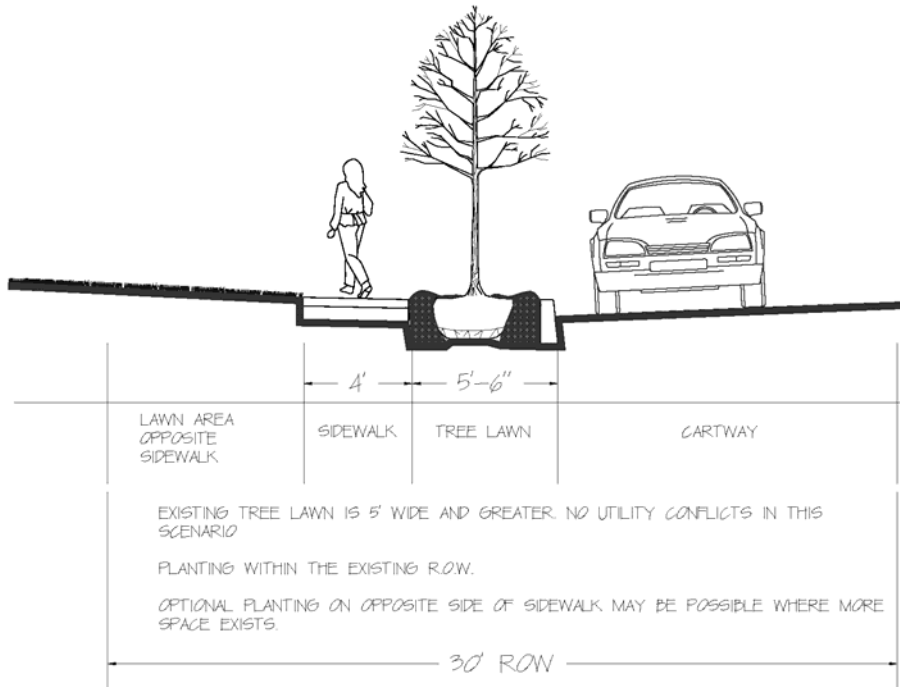
When changing a sidewalk all minimum widths for walks must be provided pursuant to NJDOT and current ADA Guidelines and meet your local municipalities' specifications. Proper permits from local municipalities must be attained prior to any work.

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

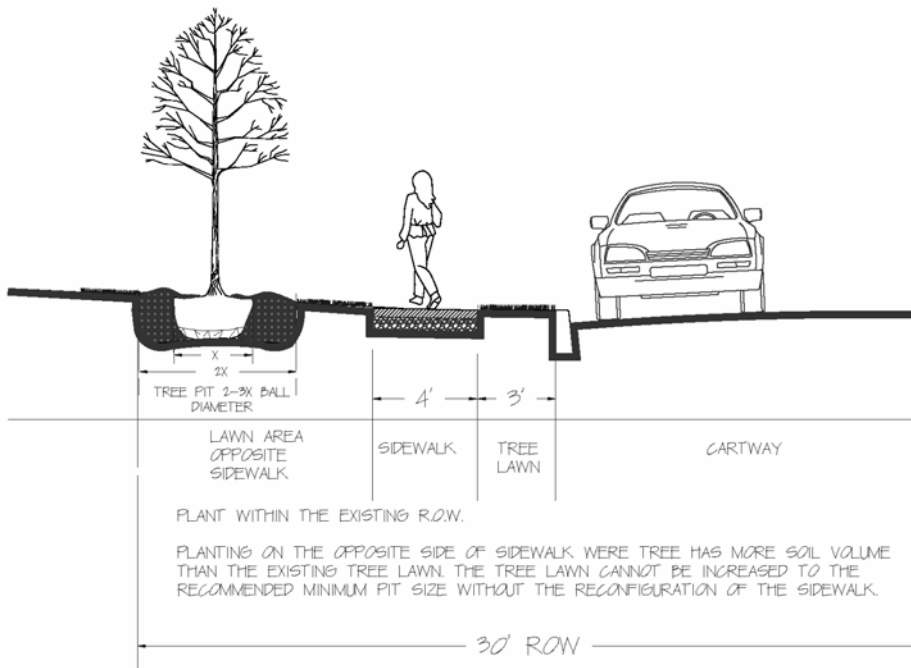


Photo of tree lawn with medium sized street trees (no overhead utilities)





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

SUGGESTED PINELAND TYPE PLANTINGS

Monmouth County south of Route 537 has a similar plant ecology to the pinelands. This region is known for its coniferous forests and sandy and acidic soils. Specific tree species perform better in these areas than others. Although not part of the Pinelands National Reserve, the Monmouth County Department of Public Works and Engineering, and the Division of Shade Tree recommend the use of native species where possible.

Following is a list of suggested species compiled by Monmouth County Department of Public Works and Engineering, and the Division of Shade Tree for pineland type plantings. This is a general list and not all encompassing. Some species may be more suited for naturalization and reforestation areas. Others maybe used in the landscape and as street plantings. We recommend consulting a landscape architect or certified tree expert to determine what 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 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.

Recommended Native Conifers

Cedar, Atlantic White	<i>Chamaecyparis thyoides</i>
Cedar, Eastern Red	<i>Juniperus virginiana</i>
Pine, Shortleaf	<i>Pinus echinata</i>
Pine, Pitch	<i>Pinus rigida</i>
Pine, Virginia	<i>Pinus virginiana</i>

Recommended Native Deciduous Trees

Maple, Red	<i>Acer rubrum</i>
Holly, American	<i>Ilex opaca</i>
Gum, Sweet	<i>Liquidambar styraciflua</i>
Magnolia, Swamp	<i>Magnolia virginiana</i>
Gum, Sour	<i>Nyssa sylvatica</i>
Oak, White	<i>Quercus alba</i>
Oak, Scarlet	<i>Quercus coccinea</i>
Oak, Blackjack	<i>Quercus marilandica</i>
Oak, Chestnut	<i>Quercus prinus</i>
Oak, Post	<i>Quercus stellata</i>
Sassafras	<i>Sassafras albidum</i>

Recommended Native Small Trees

Serviceberry, Shadblow

Plum, Beach

Oak, Bear

Oak, Dwarf Chestnut

Amelanchier canadensis

Prunus maritima

Quercus ilicifolia

Quercus prinoides