



AVALON ENVIRONMENTAL COMMISSION

3100 Dune Drive, Avalon, N J 08202

The survival of most types of plant life is difficult on a barrier island community such as Avalon. Vegetation has to contend with nutrient poor, sandy soils, frequent northeast storms, strong west winds and salt-laden air. These conditions make it difficult for most vegetation to develop and mature. Vegetation of all types, especially trees and shrubs, enhance absorption of run-off back into the soil, reduce air pollution, and stabilize soils. Trees and shrubs reduce the perception of noise and act as a windbreak. Accordingly, conservation of these natural resources is in the public interest, satisfies the purposes of zoning, and benefits those who dwell on the island.

Acceptable Plant Materials

The following plant materials may be used on projects which are the subject of an application for Zoning permit or approval of a Site Plan or Subdivision by the Planning Board, and may be used in residential and open space projects subject to species/cultivar limitations associated with specific site characteristics or limited by other Borough ordinances, e.g., Living Fence Ordinance.

Legend:

Native Species

- 1 Native to Cape May County
- 2 Native to New Jersey, but not to Cape May County
- N Not native to County or Region
- C Cultivar, not native species ecotype

Salt Tolerance

- R Resistant
- I Intermediate
- S Sensitive

Suitable as Street Tree

- A Minimum 4 foot wide unpaved area
- B 2-1/2 to 4 foot wide unpaved area
- C Less than 2-1/2 foot wide unpaved area
- D Suitable only if sight triangle is not at issue, or
- N Not suitable

Suitable for residential landscape and parks if sight triangles and visibility are not at issue

- Y Yes
- N No

Note: A dash (--) designates information not available

Shade Trees

| Common Name | Scientific Name | Native | Salt Tol. | Street Tree | Landscape/Parks |
|--------------------------------|-------------------------------------|--------|-----------|-------------|-----------------|
| Accolade Cherry | <i>Prunus sargentii</i> | N | -- | C | Y |
| Amanogawa Cherry | <i>P. serrulata</i> | N | -- | C | Y |
| American Hophornbeam | <i>Ostrya virginiana</i> | 2 | -- | B | Y |
| American Linden | <i>Tilia americana</i> | 2 | S | A | Y |
| American Redbud | <i>Cercis canadensis</i> | 2 | S | C | Y |
| Aurora Dogwood | <i>Cornus "Rutban"</i> | C | -- | C | Y |
| Bald cypress | <i>Taxodium distichum</i> | N | -- | -- | Y |
| Black Cherry | <i>Prunus Serotina</i> | 1 | R | N | Y |
| Black Oak | <i>Quercus Velutina</i> | N | R | A | Y |
| Blackgum | <i>Nyssa sylvatica</i> | 1 | R | D | Y |
| Celestial Dogwood | <i>Cornus "Rutdan"</i> | C | -- | C | Y |
| Constellation Dogwood | <i>Cornus "Rutcan"</i> | C | -- | C | Y |
| Crape Myrtle | <i>Lagerstroemia indica L</i> | N | -- | B | Y |
| Crimson Cloud Hawthorn | <i>Rataegus oxycantha</i> | N | -- | C | Y |
| Cucumber Tree | <i>Magnolia acuminata</i> | 2 | S | C | Y |
| Cumulus Shadblow | <i>Amelanchier laevis</i> | 2 | S | C | Y |
| Downy serviceberry | <i>Amelanchier arborea</i> | 1 | -- | D | Y |
| Green vase Japanese zelkova | <i>Zelkova serrata "Green Vase"</i> | N | -- | -- | Y |
| Hackberry | <i>Celtis occidentalis</i> | 1 | R | B | Y |
| Honeylocust | <i>Gleditsia triacanthos</i> | 1 | R | A | Y |
| Japanese Lilac | <i>Syringa reticulata</i> | N | I | D | Y |
| Lavalle hawthorne | <i>Crateagus X lavallei</i> | C | -- | -- | Y |
| London Plane | <i>Platanus aceriflora</i> | N | I | D | Y |
| Pin oak | <i>Quercus palustris</i> | 1 | -- | A | Y |
| Red Maple | <i>Acer rubrum</i> | 1 | S | A | Y |
| Regent Japanese scholar tree | <i>Sophora japonica "Regent"</i> | C | -- | -- | Y |
| River Birch | <i>Betula nigra</i> | 1 | -- | B | Y |
| Ruth Ellen Dogwood | <i>Cornus "Rutlan"</i> | C | -- | C | Y |
| Scarlet Oak | <i>Quercus coccinea</i> | 1 | -- | A | Y |
| Shadblow serviceberry treeform | <i>Amelanchier canadensis</i> | 1 | R | D | Y |
| Southern Red Oak | <i>Quercus falcate</i> | N | R | A | Y |
| Stellar Pink Dogwood | <i>Cornus "Rutgan"</i> | C | -- | C | Y |
| Sweetgum | <i>Liquidamber styraciflua</i> | 1 | I | -- | Y |
| Tulip tree | <i>Liriodendron tulipifera</i> | 1 | -- | -- | Y |
| Umbrella Tree | <i>Magnolia tripetala</i> | 2 | R | C | Y |
| White Flowering Dogwood | <i>Cornus florida</i> | 1 | -- | C | Y |
| White Oak | <i>Quercus alba</i> | 1 | R | A | Y |
| Wild Persimmon | <i>Diospyros virginiana</i> | 1 | I | N | Y |
| Willow oak | <i>Quercus phellos</i> | 1 | -- | D | Y |

Evergreen Trees

| Common Name | Scientific Name | Native | Salt Tol. | Street Tree | Lndscap/ Parks |
|-------------------------|--|--------|-----------|-------------|-------------------|
| American arborvitae | <i>Thuja occidentalis</i> | 2 | I | N | Y |
| American holly | <i>Ilex opaca</i> | 1 | S | D | Y |
| Atlantic white cedar | <i>Chamaecyparis thyoides</i> | 1 | -- | N | Y |
| Black spruce | <i>Picea mariana</i> | 2 | S | D | Y |
| Blue spruce | <i>Pi. pungens</i> | N | R | D | Y |
| Eastern red cedar | <i>Juniperus virginiana</i> | 1 | R | D | Y |
| Elizabeth Magnolia | <i>Magnolia "Elizabeth"</i> | C | -- | D | Y |
| Juniper – upright | <i>Juniperis chinensis spp. Or Robusta Green</i> | N | -- | D | Y |
| Leyland cypress | <i>Cupressocyparis leylandii</i> | N | -- | D | Y |
| Maritime pine | <i>Pinus pinaster</i> | N | I | D | Y |
| Monterey pine | <i>P. radiata</i> | N | I | D | Y |
| Pitch pine | <i>Pinus rigida</i> | 1 | R | N | N |
| Red pine | <i>P. resinosa</i> | 2 | S | D | Y |
| Red spruce | <i>Picea rubens</i> | 2 | -- | D | Y |
| Southern Magnolia | <i>Magnolia grandiflora</i> | N | R | D | Y |
| Sweet Bay | <i>M. virginiana</i> | 1 | R | D | Y |
| Swiss stone pine | <i>Pinus cembra</i> | 1 | S | D | Y |
| Virginia Pine | <i>P. virginiana</i> | N | -- | D | Y |
| Wanda's Memory Magnolia | <i>Magnolia "Wanda's Memory"</i> | 1 | -- | N | Y |
| White fir | <i>Abies concolor</i> | C | S | D | Y |
| White pine | <i>Pinus strobus</i> | 1 | S | D | Y |
| White spruce | <i>Picea glauca</i> | N | S | D | Y |

Shrubs

| Common Name | Scientific Name | Native | Salt Tol. |
|------------------|---|--------|-----------|
| Arrowwood | <i>Viburnum dentatum</i> | 1 | I |
| Bayberry | <i>Morella pennsylvanica</i> formerly <i>Myrica</i> | 1 | R |
| Beach plum | <i>Prunus maritima</i> | 1 | R |
| Blackhaw | <i>Viburnum prunifolium</i> | 1 | -- |
| Carolina rose | <i>Rosa carolina</i> | 1 | S |
| Chinese juniper | <i>Juniperus chinensis & cultivars</i> | N, C | I |
| Common lilac | <i>Syringa vulgaris</i> | N | -- |
| Common waxmyrtle | <i>Morella cerifera</i> formerly <i>Myrica</i> | 1 | I |
| Crape myrtle | <i>Lagerstroemia indica</i> | N | S |
| Groundsel | <i>Baccharis halimifolia</i> | 1 | R |
| Hydrangea | <i>Hydrangea macrophylla & cultivars</i> | N, C | -- |
| Inkberry | <i>Ilex glabra & cultivars</i> | 1, C | I |
| Red chokeberry | <i>Aronia arbutifolia</i> | 1 | I |
| Shore juniper | <i>Juniperus conferta & cultivars</i> | N, C | I |

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|-------------------|--|------|---|
| Summersweet | <i>Clethra alnifolia & cultivars</i> | 1, C | I |
| Winterberry holly | <i>Ilex verticillata</i> | 1 | S |

Plant Specifications:

1. Selection of the tree or shrub species and cultivar shall be appropriate to the planting location, site conditions and purpose.
2. Plants shall be typical of their species and variety, have normal growth habits, well developed branches and vigorous root systems, and be densely foliated, and shall be free from defects, injuries, diseases and infestation.
3. Quality, branching and size of plants, including root size, shall be in accordance with “American Standards for Nursery Stock” ANSI Z60 (Most Recent Edition) as published by the American Association of Nurserymen.
4. Street and parking lot trees shall be pruned of any branches that interfere with pedestrians, vehicles or signs. Street trees must be single trunk, full and uniform specimens.
5. Street trees shall have a single stem with no branches lower than the height of 6.5 ft. specified in the Ordinance (Chapter 26 – Subdivision and Site Plan Review, 26-7.10 Landscaping).
6. Street tree and shade tree caliper sizes shall be measured six (6) inches above the ground for specimens up to, and including 4” caliper, and measured twelve (12) inches above the ground for specimens greater than 4” caliper, in accordance with the latest edition of the American Standard for Nursery Stock (ANSI Z60.1)
7. Because of the spread of pests and pathogens of pines (*Pinus* spp.) into the area, the use of pines for landscaping requires tree health management, monitoring and removal, if the pine trees exhibit deterioration.

Currently there are three lists of vegetation included in the Borough’s Ordinances for specific purposes. The List and guidance above is provided for general landscaping and street trees within the developed portion of the Borough. A separate list entitled “The Approved List of Vegetation for Living Fences” has been provided for the use of vegetation as property boundary fences, consistent with the relevant fence section of the Borough Ordinance. An additional list entitled “Approved List of Dune Vegetation” identifies those species of native vegetation that are required to be used in the dune restoration and enhancement program. Dune vegetation species may also be used for residential and park landscaping purposes.