

ZONING

27 Attachment 1

Borough of Avalon



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

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Shade Trees

Common Name	Scientific Name	Native	Salt Tol.	Street Tree	Lndscap/ 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
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</i> L	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
Lavalle hawthorne	<i>Crateagus X lavalleyi</i>	C	--	--	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
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
Willow oak	<i>Quercus phellos</i>	1	--	D	Y

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Evergreen Trees

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

Shrubs

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

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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.

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Invasive and nuisance plants:

No invasive or nuisance plants (weeds) shall be introduced into the Borough along with any landscaping plants.

The following is a partial list of plants that have been designated as invasive, i.e., they tend to spread rapidly, or nuisance plants. It is not recommended that they be used or distributed accidentally in any proposed planting program:

Asian bittersweet (*Celastrus orbiculatus*)
Autumn olive (*Eleagnus umbellata*)
Butterfly bush (*Buddleia davidii*) – moved from Shrub list
Danes rocket (*Hesperis matronalis*)
English ivy (*Hedera helix*)
Japanese barberry (*Berberis thunbergii*)
Japanese black pine (*Pinus thunbergiana*)
Japanese honeysuckle (*Lonicera japonica*)
Japanese Knotweed (*Fallopia japonica*)
Japanese Stiltgrass (*Microstegium vimineum*)
Mimosa or Silk Tree (*Albizia julibrissin*)
Multiflora Rose (*Rosa multiflora*)
Norway maple (*Acer platanoides*)
Privet (*Ligustrum ovalifolium*) – moved from Shrub list
Porcelain berry (*Ampelopsis brevipedunculata*)
Purple loosestrife (*Lythrum salicaria*)
Rugosa rose (*Rosa rugosa*)
Russian olive (*Eleagnus angustifolia*)
Tree of Heaven (*Ailanthus altissima*)
Wisteria (*Wisteria frutescens*)

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Because of the ability of the following plants to spread at an extremely fast rate they are not to be used in any location:

Bamboo Grass family (Poaceae), including but not limited to Common bamboo (*Bambusa vulgaris*), Golden bamboo (*Phyllostachys aurea*), Arrow bamboo (*Pseudosasa japonica*)
Japanese sedge (*Carex kolomugi*)
Kudzu-vine (*Pueraria montana*)
Mile a minute vine (*Polygonum perfoliatum*)
Phragmites (*Phragmites australis*)

The following plants have been determined to be susceptible to the destructive Pear Trellis Rust fungus and are not recommended for use in any proposed planting program:
Bradford pear and cultivars such as Aristocrat or Cleveland Select pear (*Pyrus calleryana* 'Aristocrat' or 'Cleveland Select')

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.

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