

The following table lists trees and evergreens as classified by the American National Standards for Nursery Stock (the Specification reference for VDOT approved plant materials) relative to the recommended set back from the headwall, abutment or bridge parapet of a bridge structure. Tree and plant types not listed below are not subject to a particular setback. Planting designs that deviate from this guideline shall require the use of a continuous 24 inch depth "Root Barrier" parallel to the edge of the bridge structure with at least a two foot offset from the structure.*

ANSI Plant Type*	Examples	Minimum Distance from Bridge/Structure
Type 1 Shade Trees (Spreading, pendulous or irregular form)	Quercus phellos; Quercus palustris; Quercus virginiana; Platanus occidentalis; Salix babylonica	20' to center of the Tree ** <ul style="list-style-type: none"> assumes a 40' Diameter spread in 30 – 50 years
Type 1 Shade Trees (vase shape, columnar, oval or rounded form)	Acer rubrum; Betula nigra; Ginko biloba; Liriodendron tulipifera; Zelkova serrata; Ulmus parvifolia	15' to center of the Tree <ul style="list-style-type: none"> assumes a 30' Diameter spread in 30 - 50 years
Type 2 Shade Trees (Spreading or irregular form)	Magnolia grandiflora; Quercus alba; liquidamber styraciflua; Fagus sylvatica	25' to center of the Tree <ul style="list-style-type: none"> assumes a 50' Diameter spread in 30 - 50 years
Type 2 Shade Trees (vase shape, columnar, oval or rounded form)	Aesculus pavia; Koelreuteria paniculata; Magnolia grandiflora upright cultivars (Brackens Brown, Little Gem, etc.); Syringa reticulata; Tilia cordata	15' to center of the Tree <ul style="list-style-type: none"> assumes a 30' Diameter spread in 30 - 50 years
Type 3 Small Upright Trees (small upright or multi-stem)	Acer campestre; Cercis Canadensis; Chionanthus virginicus; Malus and Prunus species	<ul style="list-style-type: none"> Place trees with respect to potential crown growth. ***
Type 4 Small Spreading Trees	Acer palmatum; Cornus florida; Lagerstroemia indica; magnolia stellate, Vitex agnuscastus	<ul style="list-style-type: none"> Place trees with respect to potential crown growth. ***
Type 4 Conifers	Abies concolor; Cedrus deodora; Picea abies; Pinus palustris; Taxus cuspidata	15' to center of the Tree <ul style="list-style-type: none"> assumes a 30' Diameter spread in 30 - 50 years.
Type 5 Broad Upright Conifers	Chamaeyparis pisifera; Juniperus scopuorum 'Wichata Blue'; Taxus media	6' to center of the Tree <ul style="list-style-type: none"> assumes a 12' Diameter spread in

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