

ZONING

350 Attachment 3

Township of West Caln

Appendix C: Plant Materials List

SECTION C-1. DECIDUOUS CANOPY TREES.

Required canopy tree plantings shall be selected from the below list or a species hardy to the area. Trees marked with a (+) before their botanical name are native species and the use of these trees is encouraged. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name
	Acer campestre	Hedge Maple
	Acer ginnala	Amur Maple
+	Acer negundo	Box Elder
	Acer palmatum	Japanese Maple
+	Acer rubrum	Red Maple
+	Acer saccharum	Sugar Maple
+	Betula lenta	Black Birch
+	Betula nigra	River Birch
	Carpinus betulus	European Hornbeam
+	Carya ovata	Shagbark Hickory
	Crataegus phaenopyrum treeform	Washington Hawthorn
	Crataegus viridis 'Winter King'	Winter King Hawthorn
+	Fagus grandifolia	American Beech
	Fagus sylvatica	European Beech
+	Fraxinus americana	White Ash
+	Fraxinus pennsylvanica	Green Ash
	Ginkgo biloba	Ginkgo (male only)
	Larix kaempferi	Japanese Larch
+	Liquidambar styraciflua	Sweet Gum
+	Liriodendron tulipifera	Tulip Tree, Yellow Poplar
	Metasequoia glyptostroboides	Dawn Redwood
+	Nyssa Sylvatica	Black Gum, Sourgum
+	Ostrya virginiana	American Hophornbeam
	Phellodendron amurense	Amur Cork Tree (male only)
	Platanus acerifolia	London Planetree
+	Platanus occidentalis	American Sycamore
+	Quercus alba	White Oak
	Quercus coccinea	Scarlet Oak
	Quercus palustris	Pin Oak
	Quercus phellos	Willow Oak
+	Quercus rubra	Red Oak
+	Sassafras albidum	Sassafras
	Sophora japonica	Japanese Pagodatree

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	Botanical Name	Common Name
	<i>Tilia americana</i> 'Redmond'	Redmond Linden
	<i>Tilia cordata</i> 'Chancellor'	Chancellor Linden
	<i>Zelkova serrata</i>	Japanese Zelkova

SECTION C-2. DECIDUOUS/FLOWERING TREES.

Required flowering tree plantings shall be selected from the below list or a species hardy to the area. Trees marked with a (+) before their botanical name are native species and the use of these trees is encouraged. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name
+	<i>Amelanchier canadensis</i>	Shadblow Serviceberry
+	<i>Cercis canadensis</i>	Eastern Redbud
+	<i>Chioanthus virginicus</i>	Fringetree
+	<i>Cornus florida</i>	Flowering Dogwood
	<i>Cornus kousa</i>	Kousa Dogwood
	<i>Cornus mas</i>	Cornelian Cherry
	<i>Crataegus</i> species	Any Hawthorn species
	<i>Halesia carolina</i>	Carolina Silverbell
	<i>Koelreuteria paniculata</i>	Golden Rain Tree
	<i>Magnolia soulangeana</i>	Saucer Magnolia
	<i>Magnolia virginiana</i>	Sweetbay Magnolia
	<i>Malus</i> species	Any Crabapple species
	<i>Oxydendrum arboreum</i>	Sourwood, Sorrel Tree
	<i>Prunus cerasifera</i>	Purpleleaf Flowering Plum
	<i>Prunus kwanzan</i>	Kwanzan Cherry
	<i>Prunus sargentii</i>	Sargent Cherry
	<i>Prunus serrulata</i> 'Kwanzan'	Kwanzan Cherry
	<i>Prunus subhirtella</i> var. <i>pendula</i>	Weeping Higan Cherry
	<i>Pyrus calleryana</i> 'Aristocrat'	Aristocrat Pear
	<i>Pyrus calleryana</i> 'Capital'	Capital Pear
	<i>Pyrus calleryana</i> 'Redspire'	Redspire Pear
	<i>Pyrus calleryana</i> 'Whitehouse'	Whitehouse Pear
	<i>Stewartia koreana</i>	Korean Stewartia
+	<i>Viburnum prunifolium</i>	Blackhaw Viburnum

SECTION C-3. EVERGREEN TREES.

Required evergreen tree plantings shall be selected from the below list or a species hardy to the area. Trees marked with a (+) before their botanical name are native species and the use of these trees is encouraged. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name
	<i>Abies concolor</i>	Concolor Fir

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	Botanical Name	Common Name
+	<i>Ilex opaca</i>	American Holly
+	<i>Juniperus virginiana</i>	Eastern Redcedar
+	<i>Kalmia latifolia</i>	Mountain Laurel
	<i>Picea abies</i>	Norway Spruce
	<i>Picea omorika</i>	Serbian Spruce
	<i>Pinus nigra</i>	Australian Pine
	<i>Pinus strobus</i>	White Pine
	<i>Pseudotsuga menziesii</i>	Douglas Fir
	<i>Taxus baccata</i>	English Yew
	<i>Taxus cuspidata</i>	Japanese Yew
+	<i>Tsuga canadensis</i>	Hemlock

SECTION C4. SHRUBS.

Required shrubs shall be selected from the below list or a species hardy to the area. Shrubs marked with a (+) before their botanical name are native species and the use of these shrubs is encouraged. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name
	<i>Hamamelis vernalis</i>	Vernal Witch Hazel
+	<i>Hamamelis virginiana</i>	Common Witch Hazel
+	<i>Ilex glabra</i>	Inkberry
+	<i>Ilex verticillata</i>	Winterberry
+	<i>Kalmia latifolia</i>	Mountain Laurel
+	<i>Myrica pennsylvanica</i>	Bayberry
	<i>Pyracantha coccinea</i> 'lalandi'	Laland Firethorn
	<i>Rhamnus frangula</i>	Glossy Buckthorn
	<i>Taxus cuspidata</i> 'capitata'	Upright Yew
	<i>Taxus x media</i> 'hicksii'	Hicks Yew
+	<i>Viburnum dentatum</i>	Arrowwood Viburnum
	<i>Viburnum lantana</i>	Wayfaring Tree Viburnum
+	<i>Viburnum trilobum</i>	Highbush Cranberry

SECTION C-5 STREET/URBAN TREES.

Required trees shall be selected from the below list or a species hardy to the area. Shrubs marked with a (+) before their botanical name are native species and the use of these trees is encouraged. Trees included on the following list tolerate urban conditions such as salt, drought, and soil compaction. The mature height is included for consideration in applications where overhead wiring is located. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name	Mature Height
+	<i>Acer rubrum</i>	Red Maple	75-100 feet
+	<i>Acer saccharum</i>	Sugar Maple	75-100 feet

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	Botanical Name	Common Name	Mature Height
	Crataegus crusgalli	Cockspur Hawthorne	20-35 feet
+	Fraxinus americana	White Ash	75-100 feet
+	Fraxinus pennsylvanica	Green Ash	75-100 feet
+	Juniperous virginiana	Eastern Red Cedar	50-75 feet
+	Liquidambar styraciflua	American Sweetgum	75-100 feet
+	Nyssa silvatica	Blackgum	50-75 feet
+	Ostrya virginiana	American Hophornbeam	35-50 feet
	Oxydendrum arboreum	Sourwood, Sorrel Tree	35-50 feet
	Quercus alba	White Oak	50-100 feet
	Quercus coccinea	Scarlet Oak	50-90 feet
+	Sassafras albidum	Common Sassafras	35-50 feet

SECTION C-6. STREET/URBAN SHRUBS.

Required shrubs shall be selected from the below list or a species hardy to the area. Shrubs marked with a (+) before their botanical name are native species and the use of these shrubs is encouraged. Shrubs included on the following list tolerate urban conditions such as salt, drought, and soil compaction. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name
+	Ilex glabra	Inkberry
+	Juniperous communis	Common Juniper
+	Kalmia latifolia	Mountain Laurel
+	Myrica pennsylvanica	Bayberry
+	Viburnum dentatum	Arrowwood Viburnum

SECTION C-7. RIPARIAN BUFFER TREES AND SHRUBS.

- A. Deciduous Trees and Shrubs. Required tree and shrub plantings shall be selected from the following list or a species hardy to the area, attractive to wildlife species (mast production), and appropriate to the use. Trees marked with a (+) before their botanical name are native species and the use of these trees is encouraged. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name
+	Acer rubrum	Red Maple
	Alnus rugosa	Speckled Alder
	Amelanchier arborea	Shadbush
	Amelanchier laevis	Alleghany Serviceberry
	Betula lutea	Yellow Birch
	Betula nigra	Black Birch
	Carya cordiformis	Bitternut Hickory
	Carya glabra	Pignut Hickory
	Carya ovata	Shagbark Hickory

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	Botanical Name	Common Name
	Cornus alternifolia	Alternate-Leaved Dogwood
	Cornus amomum	Silky Dogwood
+	Cornus florida	Florida Dogwood
	Cornus stolonifera	Redosier Dogwood
	Fagus grandifolia	American Beech
	Juglans nigra	Black Walnut
	Prunus avium	Sweet Cherry
	Prunus pennsylvanica	Pin Cherry
	Prunus serotina	Black Cherry
	Prunus virginiana	Choke Cherry
	Rhus glabra	Smooth Sumac
	Rhus typhina	Staghorn Sumac
	Quercus alba	White Oak
	Quercus bicolor	Swamp White Oak
	Quercus muehlenburgii	Chinquapin Oak
	Quercus palustris	Pin Oak
	Quercus prinus	Chestnut Oak
	Quercus rubra	Northern Red Oak
	Quercus velutina	Black Oak

- B. Evergreen (Conifers) Trees and Shrubs. Required canopy tree plantings shall be selected from the following list or a species hardy to the area and appropriate to the use. Trees marked with a (+) before their botanical name are native species and the use of these trees is encouraged.

	Botanical Name	Common Name
+	Tsuga Canadensis	Eastern Hemlock
+	Pinus strobus	Eastern White Pine
	Pinus rigida	Pitch Pine
+	Juniperus virginiana	Eastern Red Cedar
	Pinus Sylvestris	Scotch Pine

- C. Forbs and Grasses (Warm Season). Required canopy tree plantings shall be selected from the following list or a species hardy to the area and appropriate to the use. Trees marked with a (+) before their botanical name are native species and the use of these trees is encouraged.

Botanical Name	Common Name (Forbs)
Aster noveboracensis	New England Aster
Bernonia noveboracensis	New York Ironweed
Cassia fasciculata	Partridge Pea
Coreopsis lanceolata	Lanceleaf Coreopsis
Echinacea purpurea	Purple Cone Flower
Heliopsis helianthoides	Ox-eye Sunflower
Rudbeckia hirta	Black-eyed Susan
Verbena hastata	Blue Vervain

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Botanical Name	Common Name (Forbs)
Andropogon gerardii	Big Bluestem
Panicum virgatum	Switchgrass
Schizachyrium scoparius or	
Andropogon scoparius	Little Bluestem
Sorghastrum nutans	Indiangrass
Tripsacum dactyloides	Eastern gamagrass

SECTION C-8. INVASIVE OR NOXIOUS SPECIES.

A species that has become a weed pest, a plant which grows aggressively, spreads, and displaces other plants. Invasive plants tend to appear on disturbed ground, and the most aggressive can actually invade existing ecosystems. Invasive plants are generally undesirable because they are difficult to control, can escape from cultivation, and can dominate whole areas. In short, invasive plant infestations can be extremely expensive to control, as well as environmentally destructive. They can be native or exotic species.

The species below are the most serious threats or worst offenders to our native ecosystems. Many have been designated as "Noxious weeds" by the PA Department of Agriculture and are also a major concern to our agricultural community.

Botanical Name	Common Name	Plant Form
Acer platanoides	Norway Maple	Tree
Ailanthus altissima	Tree-of-Heaven	Tree
Alliaria petiolata	Garlic Mustard	Flower
Carduus nutans	Musk Thistle	Flower
Celastrus orbiculatus	Oriental Bittersweet	Vine
Cirsium arvense	Canada Thistle	Flower
Cirsium vulgare	Bull Thistle	Flower
Datura stramonium	Jimsonweed	Flower
Elaeagnus umbellata	Autumn Olive	Shrub
Galega officinalis	Goatsrue	Flower
Heracleum mantegazzianum	Giant Hogweed	Flower
Lonicera japonica	Japanese Honeysuckle	Vine
Lonicera maakii	Amur Honeysuckle	Shrub
Lonicera morrowii	Morrow's Honeysuckle	Shrub
Lonicera standishii	Standish Honeysuckle	Shrub
Lonicera tatarica	Tartarian Honeysuckle	Shrub
Lythrum salicaria, L. virgatum	Purple Loosestrife	Flower
Microstegium vimineum	Japanese Stilt Grass	Grass
Phragmites australis	Common Reed	Grass
Polygonum (Falopia) cuspidatum	Japanese Knotweed	Flower
Polygonum perfoliatum	Mile-A-Minute Weed	Vine
Pueraria lobata	Kudzu	Vine
Rosa multiflora	Multiflora Rose	Shrub
Sorghum bicolor ssp. Drummondii	Shattercane	Grass
Sorghum halapense	Johnson Grass	Grass

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The following species are invasive plants that are known to invade our native plant communities and are deserving of our vigilance.

Botanical Name	Common Name	Plant Form
<i>Aegopodium podagraria</i>	Goutweed	Flower
<i>Berberis thunbergii</i>	Japanese Barberry	Shrub
<i>Berberis vulgaris</i>	European Barberry	Shrub
<i>Bromis tectorum</i>	Cheatgrass	Grass
<i>Elaeagnus angustifolia</i>	Russian Olive	Shrub
<i>Hesperis matronalis</i>	Dame's Rocket	Flower
<i>Ligustrum obtusifolium</i>	Border Privet	Shrub
<i>Ligustrum vulgare</i>	Common Privet	Shrub
Botanical Name	Common Name	Plant Form
<i>Lonicera morrowii</i> x <i>tatarica</i>	Bell's Honeysuckle	Shrub
<i>Myriophyllum spicatum</i>	Eurasian Water-Millfoil	Flower
<i>Ornithogallum nutans</i> , <i>umbellatum</i>	Star-of-Bethlehem	Flower
<i>Pastinaca sativa</i>	Wild Parsnip	Flower
<i>Perilla frutescens</i>	Beefsteak Plant	Flower
<i>Phalaris arundinacea</i>	Reed Canary Grass	Grass
<i>Ranunculus ficaria</i>	Lesser Celandine	Flower
<i>Rhamnus catharticus</i>	Common Buckthorn	Shrub
<i>Rhamnus frangula</i>	Glossy Buckthorn	Shrub
<i>Rubus phoenicolasius</i>	Wineberry	Shrub
<i>Ulmus pumila</i>	Siberian Elm	Tree
<i>Akebia quinata</i>	Fiveleaf Akebia	Vine
<i>Ampelopsis brevipedunculata</i>	Porcelain-Berry	Vine

The following species are considered invasive plants in the southeastern portion of Pennsylvania.

Botanical Name	Common Name	Plant Form
<i>Acer pseudoplatanus</i>	Sycamore Maple	Tree
<i>Miscanthus sinensis</i>	Maiden Grass	Grass
<i>Trapa natans</i>	Water Chestnut	Flower
<i>Euonymus alatus</i>	Winged Euonymus	Shrub
<i>Paulownia tomentosa</i>	Empress Tree	Tree
<i>Pyrus calleryana</i>	Callery Pear	Tree
<i>Spiraea japonica</i>	Japanese Spiraea	Shrub
<i>Viburnum opulus</i> var. <i>opulus</i>	Guelder Rose	Shrub