

This list of pre-approved plant material is intended to offer a broad selection of available plant material suitable for the various required landscapes found in this Ordinance. Native plant material is preferred to ensure hardiness, adaptability and survivability. Plant material found on this pre-approved list can be utilized. When substitutions are proposed, they shall meet the requirements of this section and shall be suitable for their proposed purpose and location.

STREET TREES, PARKING LOT, BUFFER, PERIMETER and SCREENING PLANTS

SHADE/CANOPY TREES - Suitable for street trees or parking lots as well as for buffer and screens. (Minimum Mature Height - 30 feet or more)

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>
Acer rubrum	Red Maple (native)
Cladrastris lutea	Yellowwood (native)
Gleditsia triacanthos v. 'inermis'	Thornless Honeylocust (native)
Koelreuteria paniculata	Golden Rain Tree
Liquidambar styraciflua	Sweet Gum (native)
Var. 'Rotundiloba'	Var. 'Rotundiloba'
Nyssa sylvatica	Black Gum
Ostrya virginiana	American Hophornbeam
Platanus x acerifolia 'Bloodgood'	London Planetree 'Bloodgood'
Quercus bicolor	Swamp White Oak (native)
Quercus coccinea	Scarlet Oak (native)
Quercus imbricaria	Shingle Oak (native)
Quercus macrocarpa	Bur Oak
Quercus phellos	Willow Oak (native)
Quercus rubra	Northern Red Oak (native)
Tilia Americana	American Linden (native)
Tilia cordata	Little Leaf Linden
Tilia tomentosa	Silver Linden
Ulmus Americana 'Princeton'	American Elm 'Princeton'
Zelkova serrata	Japanese Zelkova

SHADE/CANOPY TREES - Suitable for property line buffers, perimeter plantings and other non-vehicular use areas. (Minimum Mature Height - 30 feet or more)

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>
Acer saccharinum	Silver Maple (native)
Acer saccharum	Sugar Maple (native)
Betula nigra	River Birch (native)
Fagus grandifolia	American Beech (native)
Fagus sylvatica	European Beech
Liriodendron tulipifera	Tuliptree (native)
Metasequoia glyptostroboides	Dawn Redwood
Ostrya virginiana	American Hophornbeam (native)

Platanus x acerifolia	London Planetree
Platanus occidentalis	Sycamore (native)
Quercus alba	White Oak (native)
Quercus coccinea	Scarlet Oak (native)
Quercus palustris	Pin Oak (native)
Quercus velutina	Black Oak (native)

EVERGREEN TREES - Suitable for property line buffers, perimeter plantings or site element screens. (Minimum Mature Height - 20 feet)

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>
Abies concolor	White Fir
Chamaecyparis obtusa	Hinoki Falsecypress
Chamaecyparis pisifera	Japanese Falsecypress
Chamaecyparis thyoides	Atlantic White Cedar (native)
Ilex opaca	American Holly (native)
Juniperus virginiana	Eastern Red Cedar (native)
Picea abies	Norway Spruce
Picea glauca	White Spruce (native)
Picea omorika	Serbian Spruce
Picea pungens	Colorado Blue Spruce
Pinus strobus	White Pine (native)
Pinus thunbergii	Japanese Black Pine
Pseudotsuga menziesii	Douglas Fir
Thuja sp.	Arborvitae (native)
X Cupressocyparis leylandii	Leyland Cypress

ORNAMENTAL TREES - Suitable as street trees beneath overhead utility lines and all other landscape situations. (Mature Height = 15-35 feet)

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>
Amelanchier canadensis	Shadblow Serviceberry (native)
Amelanchier laevis	Allegheny Serviceberry (native)
Carpinus caroliniana	Ironwood (native)
Cercis canadensis	Eastern Redbud (native)
Cercis siliquastrum	Judas-tree
Chionanthus virginicus	Fringetree (native)
Cornus florida	Flowering Dogwood (native)
Cornus kousa	Kousa Dogwood
Cornus mas	Corneliancherry Dogwood
Crataegus phaenopyrum	Washington Hawthorn
Crataegus viridis 'Winter King'	Winter King Hawthorn
Halesia tetraptera	Carolina Silverbell (native)
Koelreuteria paniculata	Golden Raintree
Magnolia x soulangiana	Saucer Magnolia
Magnolia virginiana	Sweetbay Magnolia (native)

Malus (cultivars)
 Prunus sargentii
 Prunus serrulata 'Kwanzan'
 Prunus x yedoensis
 Syringa reticulata

Crabapple
 Sargent Cherry
 Kwanzan Cherry (Japanese Cherry)
 Yoshino Cherry
 Japanese Tree Lilac

LARGE DECIDUOUS SHRUBS - Suitable for use in property line buffers, perimeter plantings or site element screening. (Minimum Mature Height – 15 feet or more)

SCIENTIFIC NAME

COMMON NAME

Aronia arbutifolia
 Calycanthus floridus
 Clethra alnifolia
 Cornus sericea
 Fothergilla major
 Ilex verticillata
 Lindera benzoin
 Myrica pennsylvanica
 Physocarpus opulifolius
 Spiraea nipponica
 Vaccinium corymbosum
 Viburnum dentatum
 Viburnum lentago
 Viburnum prunifolium
 Viburnum trilobum

Red Chokeberry (native)
 Sweetshrub (native)
 Summersweet (native)
 Redosier Dogwood (native)
 Large Fothergilla (native)
 Winterberry (native)
 Spicebush (native)
 Northern Bayberry (native)
 Common Ninebark (native)
 Snowmound Spirea
 Highbush Blueberry (native)
 Arrowwood Viburnum (native)
 Nannyberry Viburnum (native)
 Blackhaw Viburnum (native)
 American Cranberrybush Viburnum (native)

DECIDUOUS/EVERGREEN SHRUBS - Suitable for clipped hedges in property line buffers, perimeter plantings or site element screens. (Minimum Mature Height - 3.feet or more)

SCIENTIFIC NAME

COMMON NAME

Aronia arbutifolia
 Azalea - evergreen varieties:
 Cornus mas
 Cotoneaster salicifolius
 Ilex crenata
 Ilex glabra
 Juniperus chinensis cv.
 'Hetzii Glauca'
 Juniperus chinensis cv.
 'Pfitzeriana compacta'
 Viburnum dentatum
 Viburnum lentago
 Viburnum prunifolium
 Thuja occidentalis

Black Chokeberry (native)
 Azalea
 Corneliancherry Dogwood
 Willowleaf Cotoneaster
 Japanese Holly
 Inkberry (native)

 Hetz Blue Juniper (Chinese Juniper)

 Compact Pfitzer Juniper (Chinese Juniper)
 Arrowwood Viburnum (native)
 Nannyberry Viburnum (native)
 Blackhaw Viburnum (native)
 American Arborvitae (native)

EVERGREEN SHRUBS - Suitable for site element screens. (Minimum Mature Height – 4 feet)

SCIENTIFIC NAME

COMMON NAME

Ilex crenata	Japanese Holly
Ilex glabra	Inkberry (native)
Ilex x meserveae (varieties)	Meserve Hybrid Hollies
Juniperus chinensis ‘Hetzii Glauca’	Hetz Blue Juniper (Chinese Juniper)
Juniperus virginiana	Eastern Red Cedar (native)
Kalmia latifolia	Mountain Laurel (native)
Pieris floribunda	Mountain Pieris (native)
Pieris japonica	Japanese Pieris
Rhododendron sp.	Various Lg. Rhododendrons
Thuja sp.	Arborvitae
Viburnum rhytidophyllum	Leatherleaf Viburnum

STORMWATER RETENTION/DETENTION BASIN PLANTS

CANOPY/SHADE TREES - Suitable for stormwater retention/detention basin areas.

SCIENTIFIC NAME

COMMON NAME

+ Acer rubrum	Red Maple (native)
* Acer saccharinum	Silver Maple (native)
Betula lenta	Sweet Birch
* Betula nigra	River Birch (native)
Betula populifolia	Gray Birch
Carpinus caroliniana	American Hornbeam, Ironwood (native)
Carya cordiformis	Bitternut Hickory
Carya glabra	Pignut Hickory
Carya ovata	Shagbark Hickory
Celtis occidentalis	Common Hackberry (native)
Crataegus crusgalli	Cockspur Hawthorn
Diospyros virginiana	Common Persimmon
+ Liquidambar styraciflua	Sweet Gum (native)
Liriodendron tulipifera	Tulip Poplar (native)
* Nyssa sylvatica	Black Gum (native)
Oxydendrum arboreum	Sourwood
Platanus occidentalis	Sycamore (native)
Platanus x acerifolia	London Planetree
Populus deltoides	Eastern Cottonwood
Quercus alba	White Oak (native)
+ Quercus bicolor	Swamp White Oak (native)
Quercus coccinea	Scarlet Oak (native)
* Quercus phellos	Willow Oak (native)
* Quercus palustris	Pin Oak (native)
Quercus rubra	Northern Red Oak (native)

Taxodium distichum
Tilia Americana

Bald Cypress
American Basswood

+ Suitable for permanently wet areas

*Suitable for usually well-drained areas that may be subject to occasional flooding

DECIDUOUS/EVERGREEN ORNAMENTAL TREES - Suitable for stormwater retention/detention basin areas.

SCIENTIFIC NAME

COMMON NAME

+ Acer rubrum	Red Maple (native)
Acer negundo	Boxelder
Amelanchier arborea	Downy Serviceberry
* Amelanchier canadensis	Shadblow Serviceberry (native)
* Betula nigra	River Birch (native)
Betula populifolia	Gray Birch
* Carpinus caroliniana	American Hornbeam, Ironwood (native)
Carya glabra	Sweet Pignut hickory
Carya ovata	Shag-bark Hickory
Cercis canadensis	Eastern Redbud
Chamaecyparis thyoides	Atlantic Whitecedar (native)
* Chionanthus virginicus	Fringetree (native)
Cornus florida	Flowering Dogwood (native)
Hamamelis virginiana	Witchhazel
Ilex opaca	American Holly (native)
Juniperus virginiana	Eastern Red Cedar (native)
Magnolia acuminata	Cucumbertree Magnolia
* Magnolia virginiana	Sweetbay (native)
Ostrya virginiana	American Hophornbeam (native)
Prunus maritima	Beach Plum
+ Salix caprea	Willow
+ Salix discolor	Pussy Willow (native)
Salix nigra	Black Willow
* Thuja occidentalis cv. 'Nigra'	Eastern Arborvitae (native)

+ Suitable for permanently wet areas

*Suitable for usually well-drained areas that may be subject to occasional flooding

DECIDUOUS/EVERGREEN SHRUBS - Suitable for stormwater retention/detention basin areas.

SCIENTIFIC NAME

COMMON NAME

Alnus rugosa	Speckled Alder
Alnus serrulata	Smooth Alder (native)
+ Aronia arbutifolia	Red Chokeberry (native)
Aronia melanocarpa	Black Chokeberry (native)

* Calycanthus floridus	Sweetshrub (native)
Cephalanthus occidentalis	Common Buttonbush
+ Clethra alnifolia	Summersweet (native)
+ Cornus amomum	Silky Dogwood (native)
Cornus racemosa	Gray Dogwood (native)
+ Cornus sericea	Redosier Dogwood (native)
Corylus americana	American Hazelnut
Hydrangea arborescens	Smooth Hydrangea
Hypericum densiflorum	Dense St. Johnswort
Hypericum prolificum	Shrubby St. Johnswort
+ Ilex glabra	Inkberry (native)
+ Ilex verticillata	Winterberry (native)
Itea virginica	Virginia Sweetspire (native)
* Lindera benzoin	Spicebush (native)
+ Myrica pennsylvanica	Northern Bayberry (native)
Potentilla fruticosa	Cinquefoil
+ Rhododendron periclymenoides	Pinxterbloom Azalea (native)
+ Rhododendron viscosum	Swamp Azalea (native)
Rhus aromatica	Fragrant Sumac
Rhus glabra	Smooth Sumac
Rubus odoratus	Flowering Raspberry
Rosa palustris	Swamp Rose
Rubus allegheniensis	Common Blackberry
* Sambucus canadensis	American Elder, Elderberry (native)
Sambucus racemosa	Red Elder
Spiraea latifolia	Broad Leaved Meadowsweet
Symphoricarpos obiculatus	Coralberry
* Viburnum cassinoides	Witherod Viburnum (native)
* Viburnum dentatum	Arrowwood Viburnum (native)
* Viburnum lentago	Nannyberry Viburnum (native)
Viburnum nudum	Smooth Witherrod Viburnum
Viburnum prunifolium	Blackhaw Viburnum (native)
Viburnum trilobum	American Cranberrybush

+ Suitable for permanently wet areas

*Suitable for usually well-drained areas that may be subject to occasional flooding

HERBACEOUS PERENNIALS - Suitable for stormwater retention/detention basin areas as well as other landscape situations.

SCIENTIFIC NAME

Achillea millefolium
 Acorus americanus
 Acorus calamus
 Actaea pachypoda
 Agastache foeniculum

COMMON NAME

Yarrow
 Sweetflag
 Sweetflag (native)
 Doll's Eyes
 Anise Hyssop

Agastache scrophulariifolia
Alisma plantago-aquatica
(subcordatum)
Andropogon virginicus
Aquilegia canadensis
Arisaema triphyllum
Asarum canadense
Asclepias incarnata
Asclepias tuberosa
* Aster novae-angliae
Aster novi-belgii
Baptisia minor
Baptisia australis
+ Caltha palustris
+ Chelone glabra
Chelone Iyonii
* Chrysanthemum leucanthemum
Chrysogonum virginianum
Coreopsis grandiflora
Coreopsis verticillata
Dianthus sp.
Dicentra eximia
+* Eupatorium dubium
+* Eupatorium fistulosum
Eupatorium maculatum
Eupatorium perfoliatum
* Echinacea purpureum
Filipendula rubra
Gaillardia aristata
Geranium maculatum
Helenium autumnale
* Hemerocallis sp.
Heuchera americana
+ Hibiscus moscheutos
+* Iris pseudacorus
+ Iris versicolor
Leucanthemum maximum
Lilium superbum
Liatris microcephala
Liatris spicata
+* Lobelia cardinalis
+* Lobelia siphilitica
Mertensia virginica
Mimulus ringens
* Monarda didyma
Oenothera fruticosa

Giant Purple Hyssop
Water Plantain
Broomsedge (native grass)
Wild Columbine (native)
Jack-in-the-Pulpit
Wild Ginger
Swamp Milkweed (native)
Butterflyweed (native)
New England Aster (native)
New York Aster (native)
Dwarf Blue Indigo
Wild Blue Indigo
Marsh Marigold (native)
White Turtlehead (native)
Pink Turtlehead (native)
Ox-Eye Daisy
Green-and-Gold
Golden Star
Threadleaf Coreopsis
Pinks
Bleeding Heart
Joe Pye Weed (native)
Hollow Joe Pye Weed (native)
Spotted Joe-Pye Weed
Common Boneset
Purple Cornflower (native)
Queen of the Prairie (native)
Blanket Flower
Wild Geranium
Sneezeweed
Day Lily
Alumroot
Rose Mallow
Yellow Iris
Blue Flag (native)
Shasta Daisy, Ox Eye Daisy
Turk's Cap Lily (native)
Appalachian Blazing Star
Blazing Star (native)
Cardinal Flower (native)
Blue Lobelia (native)
Virginia Bluebells
Monkeyflower
Bee Balm (native)
Narrow-Leaved Sundrops

Oenothera perennis	Sundrops
+* Panicum virgatum	Switchgrass (native)
<i>Penstemon digitalis</i>	Beard-tongue
* Phalaris arundinacea	Reed Canarygrass (native)
Phlox divaricata	Woodland Blue Phlox
Phlox maculata	Phlox
Phlox paniculata	Summer Phlox
Physostegia virginiana	Obedient Plant
Podophyllum peltatum	Mayapple
Polemonium reptans	Jacob's Ladder
Pycnanthemum flexuosum	Appalachian Mountain Mint
Pycnanthemum muticum	Big Leaf Mountain Mint
* Rudbeckia sp. (native)	Black-Eyed Susan/Brown-Eyed Susan
Salvia sp.	Sage Species
Sanguinaria Canadensis	Bloodroot
+ Scirpus sp.	Bulrush Species (native)
Sedum sp.	Stonecrop Species
Silene regia	Fire Pink, Royal Catchfly
Silene virginica	Fire Pink
Solidago rugosa	Wrinkle-Leaf Goldenrod
+ Spartina alterniflora	Cordgrass (native)
Spiranthes cernua	Nodding Ladies' Tresses
Tiarella cordifolia	Foamflower
Tradescantia ohiensis	Spiderwort (native)
+ Typha angustifolia	Broad Leafed Ironweed
Vernonia lettermannii	Threadleaf ironweed
+* Vernonia noveboracensis	New York Ironweed (native)
Zizia aurea	Golden Alexanders

*Suitable for usually well-drained areas that may be subject to occasional flooding
+ Suitable for permanently wet areas

HERBACEOUS EMERGENTS - Suitable for stormwater retention/detention basin areas and other wet, natural areas.

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>
Distichlis spicata	Saltgrass
Dulichium arundinaceum	Three-Sided Sedge
Iris prismatica	Slender Blueflag
Iris virginica	Virginia Blue Flag
Juncus canadensis	Canada Rush
Juncus effusus	Soft Rush
Juncus tenuis	Path Rush
Justicia americana	American Water-Willow
Nuphar lutea	Spatterdock

Pontederia cordata
Sagittaria latifolia
Saururus cernuus
Sparganium americanum

Pickeralweed
Arrowhead
Lizard's Tail
American Bur- Reed

GENERAL

FERNS - Suitable for all applicable landscape situations.

SCIENTIFIC NAME

Adiantum pedatum
Athyrium filix-femina
Dennstaedtia punctilobula
Dryopteris marginalis
Onoclea sensibilis
Osmunda cinnamomea
Osmunda claytoniana
Osmunda regalis
Polystichum achrostichoides
Thelypteris noveboracensis

COMMON NAME

Maidenhair Fern
Lady Fern
Hay-Scented Fern
Marginal Wood Fern
Sensitive Fern
Cinnamon Fern
Interrupted Fern
Royal Fern
Christmas Fern
New York Fern

GRASSES - Suitable for all applicable landscape situations.

SCIENTIFIC NAME

Andropogon gerardii
Calamagrostis canadensis
Carex species
Carex crinita
Carex lurida
Carex pennsylvanica
Carex scoparia
Carex stricta
Carex vulpinoidea
Chasmanthium latifolium
Danthonia spicata
Elymus hystrix
Elymus riparius
Elymus virginicus
Glyceria striata
Leersia oryzoides
Schizachyrium scoparium
Sisyrinchium angustifolium
Sorghastrum nutans

COMMON NAME

Big Bluestem
Bluejoint Reedgrass
Sedge
Long Hair Sedge
Sallow Sedge
Pennsylvania Sedge
Blunt broom sedge
Tussock Sedge
Fox Sedge
Northern Sea Oats
Poverty Oatgrass
Bottlebrush Grass
Riverbank Wild Rye
Virginia Wild Rye
Fowl mannagrass
Rice Cutgrass
Little Bluestem
Blue Eyed grass
Indiangrass

GROUNDCOVER - Suitable for all applicable landscape situations.

SCIENTIFIC NAME

Gaultheria procumbens
 Mitchella repens
 Pachysandra procumbens
 Rhus aromatica ‘Gro Low’
 Vaccinium macrocarpon

COMMON NAME

Wintergreen, Eastern Teaberry
 Partridgeberry
 Allegheny Spurge
 Gro Low Sumac
 Cranberry

VINES - Suitable for all applicable landscape situations.

SCIENTIFIC NAME

Aristolochia macrophylla
 Bignonia capreolata
 Campsis radicans
 Celastrus scandens
 Clematis virginiana
 Lonicera sempervirens
 Parthenocissus quinquefolia
 Passiflora incarnata
 Wisteria frutescens

COMMON NAME

Dutchman’s Pipe
 Crossvine
 Trumpet Vine
 American Bittersweet
 Virgin’s Bower
 Trumpet Honeysuckle
 Virginia Creeper
 Passionflower
 American Wisteria

NOTES:

1. Cultivars are acceptable upon approval of the Township’s Plant Expert (registered landscape architect, certified plant horticulturalist).
2. USDA Plant Hardiness Zone Map locates Warrington, PA in Zone 6b.
3. Plants should be selected in terms of mature size, maintenance issues, water and drought tolerance, light requirements, and commercial availability.

REFERENCES:

1. USDA/NRCS Plants Database: <http://plants.usda.gov> [cited April/May 2006].
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3. Slattery, B.E., Reshetiloff, K., and Zwicker, S.M. Native Plants for Wildlife Habitat & Conservation Landscaping. Annapolis, MD: U.S. Fish and Wildlife Service, 2005.
4. Gary L. Hightshoe. Native Trees, Shrubs, and Vines for Urban and Rural America. Wiley, 1987.
5. Bowman’s Hill Wildflower Preserve, New Hope, Pa.
6. Philadelphia Stormwater Manual v2.0, revised April 2011 or most current edition.
7. Pennsylvania Stormwater Best Management Practices Manual, December 2006 or most current edition.