

# Kirkland List - Approved Landmark Tree Mitigation List



Minimum Size Requirements:  
 Conifer: 6-ft tall  
 Deciduous: 2" caliper

**Landmark Trees removed shall be replaced at a 3:1 ratio with species selected from this list**

Scientific & Common Name	Size Category	Evergreen or Deciduous	Mature Height (ft)	Mature Spread (ft)	Comments	Native Tree
<i>Abies grandis</i> Grand Fir	Large Evergreens	Evergreen	100	35	Grows at 0 1500 m in moist conifer forests	Yes
<i>Abies procera</i> Noble Fir	Large Evergreens	Evergreen	90	30	Grows naturally in higher elevations than Douglas Fir	No
<i>Acer campestre</i> Hedge Maple	Medium/Large Trees	Deciduous	50	30	Contrary to its name, this is not a small tree – nice overall shape and structure	No
<i>Acer campestre</i> 'Evelyn' Queen Elizabeth Hedge Maple	Medium/Large Trees	Deciduous	40	30	More upright branching than the species.	No
<i>Acer freemanii</i> 'Autumn Blaze' Autumn Blaze Maple	Medium/Large Trees	Deciduous	50	40	Cross between red and silver maple – fast growing with good fall color	No
<i>Acer macrophyllum</i> Big Leaf Maple	Large Broadleaf Trees	Deciduous	70	60	Very large native	Yes
<i>Acer miyabei</i> 'Morton' State Street Maple	Medium/Large Trees	Deciduous	40	30	Similar to, but faster growing and larger than Hedge maple	No
<i>Acer nigrum</i> 'Green Column' Green Column Black Sugar Maple	Large Columnar Trees	Deciduous	50	10	Good close to buildings	No
<i>Acer platanoides</i> 'Emerald Queen' Emerald Queen Norway Maple	Medium/Large Trees	Deciduous	50	40	One of the fastest growing cultivars of Norway maple – Do NOT plant within 1000' of greenbelts – can be invasive	No
<i>Acer platanoides</i> 'Parkway' Parkway Norway Maple	Medium/Large Trees	Deciduous	40	30	Somewhat tolerant of verticillium wilt Do NOT plant within 1000' of greenbelts – can be invasive	No
<i>Acer pseudoplatanus</i> 'Atropurpureum' Spaethii Maple	Medium/Large Trees	Deciduous	40	30	Leaves green on top purple underneath.	No
<i>Acer rubrum</i> 'Scarsen' Scarlet Sentinel Maple	Medium/Large Trees	Deciduous	40	25	Leaves are darker green and larger than those of other Red Maples, and they hold up well in summer heat.	No
<i>Acer saccharum</i> 'Bonfire' Bonfire Sugar Maple	Large Broadleaf Trees	Deciduous	50	40	Fastest growing sugar maple	No
<i>Acer saccharum</i> 'Commemoration' Commemoration Sugar Maple	Large Broadleaf Trees	Deciduous	50	35	Resistant to leaf tatter. <a href="#">Great Plant Pick</a>	No
<i>Acer saccharum</i> 'Green Mountain' Green Mountain Sugar Map	Large Broadleaf Trees	Deciduous	45	35	Reliable fall color. <a href="#">Great Plant Pick</a>	No
<i>Acer saccharum</i> 'Legacy' Legacy Sugar Maple	Large Broadleaf Trees	Deciduous	50	35	Limited use in planting strip area. <a href="#">Great Plant Pick</a>	No

# Kirkland List - Approved Landmark Tree Mitigation List



Minimum Size Requirements:  
 Conifer: 6-ft tall  
 Deciduous: 2" caliper

**Landmark Trees removed shall be replaced at a 3:1 ratio with species selected from this list**

Scientific & Common Name	Size Category	Evergreen or Deciduous	Mature Height (ft)	Mature Spread (ft)	Comments	Native Tree
<i>Aesculus x carnea</i> 'Briotii' Red Horsechestnut	Medium/Large Trees	Deciduous	30	35	Resists heat and drought better than other horsechestnuts	No
<i>Aesculus flava</i> Yellow Buckeye	Large Broadleaf Trees	Deciduous	60	40	Least susceptible to leaf blotch – large fruit – fall color is varied, but quite beautiful	No
<i>Alnus rubra</i> Red Alder	Large Broadleaf Trees	Deciduous	60	35	Nitrogen fixing	Yes
<i>Arbutus menziesii</i> Pacific Madrone	Medium/Large Trees	Broad leaf Evergreen	50	30	Can be difficult to transplant	Yes
<i>Betula nigra</i> River Birch	Medium/Large Trees	Deciduous	50	30	Flaky bark in various mixed shades of cream, orange and lavender, nice fall color, and freedom from bronze birch borer damage.	No
<i>Calocedrus decurrens</i> Incense Cedar	Large Evergreens	Evergreen	60	20	Special site approval needed for street tree planting more drought tolerant than Wester Red Cedar	No
<i>Catalpa speciosa</i> Northern Catalpa	Large Broadleaf Trees	Deciduous	60	30	Northern catalpa is best known as a large deciduous tree bearing showy spring flowers.	No
<i>Cercidiphyllum japonicum</i> Katsura Tree	Large Broadleaf Trees	Deciduous	40	40	Needs lots of water when young – can produce large surface roots. <a href="#">Great Plant Pick</a>	No
<i>Chamaecyparis pisifera</i> Sawara Cypress	Large Evergreens	Evergreen	45	25	Special site approval needed many cultivars available	No
<i>Corylus colurna</i> Turkish Filbert	Medium/Large Trees	Deciduous	40	25	Tight, formal, dense crown not for areas with high pedestrian traffic as tree can have significant debris from nut production. <a href="#">Great Plant Pick</a>	No
<i>Fagus sylvatica</i> Green Beech	Large Broadleaf Trees	Deciduous	50	40	Silvery grey bark	No
<i>Fagus sylvatica</i> 'Asplenifolia' Fernleaf Beech	Large Broadleaf Trees	Deciduous	60	50	Beautiful cut leaf. <a href="#">Great Plant Pick</a>	No
<i>Fagus sylvatica</i> 'Purpurea' Copper Beech	Large Broadleaf Trees	Deciduous	60	30	Reportedly tolerates a wider range of soils than American beech.	No
<i>Fagus sylvatica</i> 'Rohanii' Purple Oak Leaf Beech	Large Broadleaf Trees	Deciduous	50	30	Purple leaves	No
<i>Fraxinus americana</i> 'Autumn Applause' Autumn Applause Ash	Medium/Large Trees	Deciduous	45	25	Purple fall foliage Compact tree reportedly seedless	No
<i>Fraxinus americana</i> 'Empire' Empire Ash	Large Columnar Trees	Deciduous	50	25	Use for areas adjacent to taller buildings when ash tree is desired species	No

# Kirkland List - Approved Landmark Tree Mitigation List



Minimum Size Requirements:  
 Conifer: 6-ft tall  
 Deciduous: 2" caliper

**Landmark Trees removed shall be replaced at a 3:1 ratio with species selected from this list**

Scientific & Common Name	Size Category	Evergreen or Deciduous	Mature Height (ft)	Mature Spread (ft)	Comments	Native Tree
<i>Fraxinus latifolia</i> Oregon Ash	Large Broadleaf Trees	Deciduous	60	35	Only native ash in PNW	Yes
<i>Fraxinus pennsylvanica</i> 'Cimmzam' Cimmarron Ash	Medium/Large Trees	Deciduous	50	30	More upright than 'Patmore' with more bronze/cinnamon fall color	No
<i>Fraxinus pennsylvanica</i> 'Patmore' Patmore Ash	Large Broadleaf Trees	Deciduous	45	35	Extremely hardy, may be seedless	No
<i>Fraxinus pennsylvanica</i> 'Urbanite' Urbanite Ash	Large Broadleaf Trees	Deciduous	50	40	Tolerant of city conditions	No
<i>Ginkgo biloba</i> 'Autumn Gold' Autumn Gold Ginkgo	Medium/Large Trees	Deciduous	45	35	Narrow when young	No
<i>Ginkgo biloba</i> 'Magyar' Magyar Ginkgo	Large Broadleaf Trees	Deciduous	50	25	more upright and narrow than 'Autumn Gold'	No
<i>Ginkgo biloba</i> 'Princeton Sentry' Princeton Sentry Ginkgo	Large Columnar Trees	Deciduous	40	15	Very narrow growth.	No
<i>Gymnocladus dioica</i> 'Espresso' Espresso Kentucky Coffee	Large Broadleaf Trees	Deciduous	50	35	Very coarse branches extremely large bi pinnately compound leaves	No
<i>Liquidambar styraciflua</i> 'Moraine' Moraine Sweetgum	Medium/Large Trees	Deciduous	40	25	Light green foliage. More compact than other varieties of sweet gum. Brittle branches	No
<i>Liquidambar styraciflua</i> 'Rotundiloba' Rotundiloba Sweetgum	Large Broadleaf Trees	Deciduous	45	25	Only sweetgum that is entirely fruitless. Smooth rounded leaf lobes	No
<i>Liriodendron tulipifera</i> Tulip Tree	Large Broadleaf Trees	Deciduous	60	30	Fast growing tree – can get very large in open conditions	No
<i>Metasequoia glyptostroboides</i> Dawn Redwood	Large Deciduous Conifer	Deciduous	50	25	Fast growing deciduous conifer. <a href="#">Great Plant Pick</a>	No
<i>Nothofagus antarctica</i> Antarctic Beech	Medium/Large Trees	Deciduous	50	35	Rugged twisted branching and petite foliage – difficult to find in the nursery trade	No
<i>Picea abies</i> Norway Spruce	Large Evergreens	Evergreen	60	20	Pyramidal with dropping branches, groves well in average soils	No
<i>Picea engelmannii</i> Engelmann Spruce	Large Evergreens	Evergreen	80	25	Tall, dense, narrow conical grown, grows best in moist soils. Native to Oregon	No
<i>Picea glauca</i> White Spruce	Large Evergreens	Evergreen	80	25	Tall and narrow, tolerates city conditions	No
<i>Picea omorika</i> Serbian Spruce	Large Evergreens	Evergreen	60	20	Narrow, asymmetrical shape	No

# Kirkland List - Approved Landmark Tree Mitigation List



Minimum Size Requirements:  
 Conifer: 6-ft tall  
 Deciduous: 2" caliper

**Landmark Trees removed shall be replaced at a 3:1 ratio with species selected from this list**

Scientific & Common Name	Size Category	Evergreen or Deciduous	Mature Height (ft)	Mature Spread (ft)	Comments	Native Tree
<i>Picea pungens</i> Colorado Spruce	Large Evergreens	Evergreen	60	20	Dense, pyramidal form, very adaptable	No
<i>Picea sitchensis</i> Sitka Spruce	Large Evergreens	Evergreen	100	30	Native environment is characterized by cool, moist climate	Yes
<i>Pinus contorta</i> Shore Pine	Large Evergreens	Evergreen	40	20	Grows in poor conditions where other species do not thrive. Highly desirable and easily available.	Yes
<i>Pinus densiflora</i> Japanese Red Pine	Large Evergreens	Evergreen	50	40	Bark reddish, thin, and exfoliating	No
<i>Pinus jeffreyi</i> Jeffrey Pine	Large Evergreens	Evergreen	100	30	A large, straight trunked tree with a wide, open, irregularly cylindrical crown. Similar to Ponderosa Pine	No
<i>Pinus monticola</i> Western White Pine	Large Evergreens	Evergreen	100	35	Occurs in lowland for forests or on moist mountains	Yes
<i>Pinus nigra</i> Austrian Pine	Large Evergreens	Evergreen	45	25	Tolerant of city conditions	No
<i>Pinus pinea</i> Italian Stone Pine	Large Evergreens	Evergreen	40	30	Special site approval needed	No
<i>Pinus ponderosa</i> Ponderosa Pine	Large Evergreens	Evergreen	100	30	A large, straight trunked tree with a wide, open, irregularly cylindrical crown.	Yes
<i>Pinus strobus</i> Eastern White Pine	Large Evergreens	Evergreen	100	35	Symmetrical, pyramidal form	No
<i>Pinus sylvestris</i> Scots Pine	Large Evergreens	Evergreen	45	25	Orangish brown bark; grows in poor soil conditions	No
<i>Pinus thunbergii</i> Japanese Black Pine	Large Evergreens	Evergreen	65	25	Prefers moist, well drained soil; drought tolerant	No
<i>Platanus x acerifolia</i> 'Bloodgood' Bloodgood London Planetree	Large Broadleaf Trees	Deciduous	50	40	More anthracnose resistant than other varieties – large tree that needs space	No
<i>Platanus x acerifolia</i> 'Morton Circle' Exclamation London Planetree	Large Broadleaf Trees	Deciduous	55	35	Tolerates urban conditions, resistant to powdery mildew	No
<i>Platanus x acerifolia</i> 'Yarwood' Yarwood London Planetree	Large Broadleaf Trees	Deciduous	50	40	High resistance to powdery mildew	No
<i>Populus trichocarpa</i> Black Cottonwood	Large Broadleaf Trees	Deciduous	100	30	Only plant this fast growing, aggressively rooted tree 40 feet or more away from sidewalks, sewers, and structures.	Yes
<i>Pseudotsuga menziesii</i> Douglas Fir	Large Evergreens	Evergreen	100+	35	Very large native evergreen	Yes
<i>Quercus bicolor</i> Swamp White Oak	Large Broadleaf Trees	Deciduous	60	45	Interesting shaggy peeling bark	No

# Kirkland List - Approved Landmark Tree Mitigation List



Minimum Size Requirements:  
 Conifer: 6-ft tall  
 Deciduous: 2" caliper

**Landmark Trees removed shall be replaced at a 3:1 ratio with species selected from this list**

Scientific & Common Name	Size Category	Evergreen or Deciduous	Mature Height (ft)	Mature Spread (ft)	Comments	Native Tree
<i>Quercus coccinea</i> Scarlet Oak	Large Broadleaf Trees	Deciduous	60	40	Best oak for fall color	No
<i>Quercus 'Crimschmidt'</i> Crimson Spire Oak	Large Columnar Trees	Deciduous	45	15	Hard to find in the nursery trade	No
<i>Quercus frainetto</i> Italian Oak	Large Broadleaf Trees	Deciduous	50	30	Drought resistant – beautiful green, glossy leaves in summer. <a href="#">Great Plant Pick</a>	No
<i>Quercus garryana</i> Oregon Oak	Large Broadleaf Trees	Deciduous	50	40	Slow growing, can be difficult to transplant. Native to Pacific Northwest. <a href="#">Great Plant Pick</a>	Yes
<i>Quercus imbricaria</i> Shingle Oak	Large Broadleaf Trees	Deciduous	60	50	Nice summer foliage leaves can persist throughout the winter	No
<i>Quercus muhlenbergii</i> Chestnut Oak	Large Broadleaf Trees	Deciduous	60	50	coarsely toothed leaf	No
<i>Quercus robur</i> English Oak	Large Broadleaf Trees	Deciduous	60	40	Large, sturdy tree. Acorns do not need dormant cold period to germinate, so can be invasive.	No
<i>Quercus robur 'fastigiata'</i> Skyrocket Oak	Large Columnar Trees	Deciduous	40	15	Columnar variety of oak	No
<i>Quercus rubra</i> Red Oak	Large Broadleaf Trees	Deciduous	60	45	Fast growing oak – large tree that needs space	No
<i>Quercus velutina</i> Black Oak	Large Broadleaf Trees	Deciduous	60	50	More drought tolerant than red oak	No
<i>Sequoiadendron giganteum</i> Giant Sequoia	Large Evergreens	Evergreen	250	50	Forming a huge tree in the Northwest landscape, Giant Sequoia features thick heavy limbs and could grow to 250' in height.	No
<i>Sequoia sempervirens</i> Coastal Redwood	Large Evergreens	Evergreen	200	40	While young trees have a pyramidal shape, mature trees take on a narrow columnar form.	No
<i>Taxodium distichum</i> Bald Cypress	Large Deciduous Conifer	Deciduous	55	35	A deciduous conifer, broadly spreading when mature – columnar when young. <a href="#">Great Plant Pick</a>	No
<i>Taxodium distichum 'Mickelson'</i> Shawnee Brave Bald Cypress	Large Deciduous Conifer	Deciduous	55	20	Deciduous conifer tolerates city conditions	No
<i>Thuja plicata</i> Western Red Cedar	Large Evergreens	Evergreen	100	40	Growth is stunted on dry soils	Yes
<i>Tilia cordata 'Greenspire'</i> Greenspire Linden	Medium/Large Trees	Deciduous	40	30	Symmetrical, pyramidal form – sometimes has structural issues due to tight branch attachments	No

# Kirkland List - Approved Landmark Tree Mitigation List



Minimum Size Requirements:  
 Conifer: 6-ft tall  
 Deciduous: 2" caliper

**Landmark Trees removed shall be replaced at a 3:1 ratio with species selected from this list**

Scientific & Common Name	Size Category	Evergreen or Deciduous	Mature Height (ft)	Mature Spread (ft)	Comments	Native Tree
<i>Tilia americana</i> 'Redmond' Redmond Linden	Medium/Large Trees	Deciduous	50	30	Pyramidal, needs extra water when young	No
<i>Tsuga heterophylla</i> Western Hemlock	Large Evergreens	Evergreen	100	30	One of the most shade tolerant natives – casts very dense shade	Yes
<i>Tsuga mertensiana</i> Mountain Hemlock	Large Evergreens	Evergreen	40	20	Slow growing and narrow. Prefers sun. Highly desirable and easily available.	Yes
<i>Ulmus</i> 'Homestead' Homestead Elm	Large Broadleaf Trees	Deciduous	60	35	Complex hybrid close in form to American elm Resistant to Dutch elm disease	No
<i>Ulmus</i> 'Frontier' Frontier Elm	Large Broadleaf Trees	Deciduous	50	35	Resistant to Dutch elm disease	No
<i>Ulmus parvifolia</i> 'Emer II' Allee Elm	Medium/Large Trees	Deciduous	45	35	Exfoliating bark and nice fall color – Resistant to Dutch Elm Disease	No
<i>Umbellularia californica</i> California Bay Laurel	Medium/Large Trees	Broad leaf Evergreen	70	25	Small creamy white flowers. Flowers give rise to 1" long round to elliptical purple fruit in the fall.	No
<i>Zelkova serrata</i> 'Greenvase' Green Vase Zelkova	Large Broadleaf Trees	Deciduous	45	40	Attractive exfoliating bark provides Winter appeal. Dark green leaves turn orange red and purple in Fall. <a href="#">Great Plant Pick</a>	No
<i>Zelkova serrata</i> 'Village Green' Village Green Zelkova	Large Broadleaf Trees	Deciduous	40	40	Green Vase, Mussichino and Halka are improved forms. <a href="#">Great Plant Pick</a>	No