



Spokane Urban Forestry Approved Street Tree List


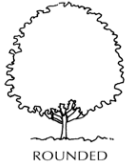

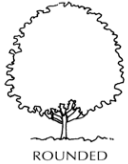



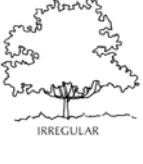
December 2014



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class I Trees – For Use Under Overhead Utility Lines







Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
Apple Serviceberry <i>Amelanchier x grandiflora</i> 	 ROUNDED	Height: 15-25' Spread: 15-20' Growth Rate: Medium Hardiness: -30 Zone: 4a	General: Rounded habit, bird food, edible, and ornamental. Fall Color: Yellow to orange. Flowering: Small white flowers from pink buds in spring; sweet berries turn magenta to purple. Growing Conditions: Partial to full sun, moderate water, PH adaptable. Pests & Problems: No serious insect or disease problems. Root suckers are common, and if not removed, will result in a shrubby growth habit for the plant.
Allegheny Serviceberry <i>Amelanchier laevis</i> 	 ROUNDED	Height: 15-25' Spread: 10-15' Growth Rate: Medium Hardiness: -30 Zone: 4a	General: Rounded habit with bronzy purple new foliage, edible pomes. Fall Color: Red-orange. Flowering: White, fragrant flowers. Growing Conditions: Full sun, prefers wet sites generally, pruned up to form small tree, transplants easily. Pests & Problems: No serious insect or disease problems. Rust, leaf spot, fire blight, powdery mildew and canker are occasional problems. Root suckers are common, and if not removed, will result in a shrubby growth habit for the plant.
American Hornbeam <i>Carpinus caroliniana</i> 	 ROUNDED	Height: 20-30' Spread: 20-25' Growth Rate: Slow Hardiness: -35 Zone: 3b	General: Small to medium-sized understory tree with an attractive globular form. Fall Color: Yellow, orange and red. Flowering: Green and white. Growing Conditions: Full sun to shade, prefers deep fertile, moist, acidic soil. Doesn't transplant well; prune tolerant. Pests & Problems: Leaf diseases, cankers, and twig blight are occasional disease problems.
Pagoda Dogwood <i>Cornus alternifolia</i> 	 IRREGULAR	Height: 15-25' Spread: 15-20' Growth Rate: Slow to Medium Hardiness: -30 Zone: 4a	General: Distinctive horizontal branching. Shape is often somewhat irregular, but can be more or less rounded. Loose and open density. Fall Color: A mix of yellow with reddish purple mixing in. Flowering: Small, white flowers Growing Conditions: Full sun is acceptable if the site is not hot and dry, performs best in colder climates. Cool, moist, acidic soils are best, partial shade is ideal. Tree is somewhat short-lived and needs specific site requirements. Pests & Problems: Twig blight and canker are significant problems in some locations.



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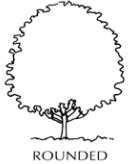





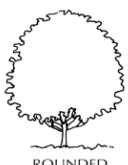
Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
<p>Kousa Dogwood <i>Cornus kousa</i></p> 	 <p>ROUNDED</p>	<p>Height: 20-25' Spread: 20-25' Growth Rate: Slow to Medium Hardiness: -20 Zone: 5a</p>	<p>General: Vase shaped in youth, becoming rounded with age with horizontally stratified branching. Ornamental appeal in form, bark, flowering, fruiting and fall foliage color. Fall Color: Leaves turn red or red-purple. Flowering: Flowers are small and greenish-yellow and are surrounded by four large, showy, pointed bracts – which are white, but age to pink. Bloom time is early June but bracts last for about 6 weeks, making for a very long effective bloom time . Growing Conditions: Full sun to partial shade; prefers a moist, fertile, acidic, well-drained soil high in organic matter. Pests & Problems: Relatively problem free.</p>
<p>Cornelian Cherry Dogwood <i>Cornus mas 'Golden Glory'</i></p> 	 <p>ROUNDED</p>	<p>Height: 20-25' Spread: 15' Growth Rate: Slow Hardiness: -25 Zone: 4-7</p>	<p>General: Fruit can be messy, staining sidewalks. Shape is rounded, branching is upright and spreading, dense and compact, typically multi-stemmed with a very short main trunk. Lower branches hover just above the ground. Fall Color: Mostly a mix of green and yellow with some purple-red highlights. Flowering: A heavy bloomer with small yellow flowers in rounded clusters, flower clusters are numerous, blooms in late March or early April, for the early bloom time, flowering is quite showy, flowers are best viewed against a dark background. Growing Conditions: Full sun or partial shade, prefers moist, rich, well-drained soil, but relatively adaptable. Fairly easy to transplant but can be slow to re-establish, branching to the ground prevents turf growth beneath unless limbed up. Pests & Problems: Very pest resistant.</p>
<p>Thornless Cockspur Hawthorn <i>Crataegus crus-galli var. inermis</i></p> 	 <p>ROUNDED</p>	<p>Height: 20-30' Spread: 20-30' Growth Rate: Slow Hardiness: -30 Zone: 4a</p>	<p>General: Rounded, spreading crown with horizontal branches and medium texture. Fall Color: Bronze-red to red fall color. Flowering: Small, white flowers, 0.6" in diameter. Blooms in May, with short bloom time - just a week - borne in large corymbs, 2" to 3". Odorous. Growing Conditions: Full sun is best, prefers well-drained soil, is soil tolerant and pH adaptable. Transplant in Spring. Pests & Problems: This variety of Hawthorn is virtually thornless, which reduces damage from large thorns of other members of Hawthorn family. Tends to have many pest problems similar to apple trees: fireblight, aphids, scales, powdery mildew.</p>



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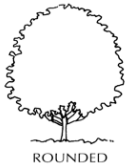
Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
Crimson Cloud Hawthorn <i>Crataegus laevigata</i> 'Crimson Cloud' 	 ROUNDED	Height: 15-25' Spread: 15-20' Growth Rate: Slow Hardiness: -30 Zone: 4a	General: Rounded tree crown. Fall Color: Not ornamentally important. Flowering: White flowers, blooms in mid May, flowers borne in corymbs. Growing Conditions: Full sun is best; prefers moist, fertile soil. Easy to grow, prune tolerant. Pests & Problems: Thorns can be hazardous, tends to have many pest problems similar to apple trees, hawthorn leaf spot and blight (Entomosporium).
Lavalle Hawthorn <i>Crataegus x lavallei</i> 	 ROUNDED	Height: 20-25' Spread: 15-20' Growth Rate: Slow Hardiness: -30 Zone: 4a	General: Rounded, wide-spreading crown. Fall Color: Purplish red fall color. Flowering: White flowers, blooms in late May, flowers clustered in 2" corymbs. Growing Conditions: Full sun is best; prefers moist, fertile soil. Easy to grow, prune tolerant. Pests & Problems: Thorns can be hazardous, tends to have many pest problems similar to apple trees, such as fire and leaf blight.
Winter King Hawthorn <i>Crataegus viridis</i> 'Winter King' 	 ROUNDED	Height: 25' Spread: 20' Growth Rate: Slow Hardiness: -30 Zone: 4a	General: The habit is rounded, and the plant develops good fall color. Short stature. Fall Color: The fall/winter fruit show can be spectacular, with red pomes that are profuse and persist late into the season. Flowering: White spring flowers and distinct gray bark are added assets. Growing Conditions: Full sun is best, prefers moist, fertile soil. Easy to grow, prune tolerant. Pests & Problems: Thorns can be hazardous, tends to have many pest problems similar to apple trees. Aphids, borers and leaf miners are attracted to this tree.
Amur Maackia <i>Maackia amurensis</i> 	 ROUNDED	Height: 25' Spread: 20' Growth Rate: Slow Hardiness: -25 Zone: 4b	General: Rounded shape, foliage mostly toward the outer part of the canopy, short main trunk that splits into many main branches 2' to 3' from the ground, neat clean attractive form. Fall Color: No color develops, leaves drop green or brown. Flowering: Small dull, white pea-like flowers, in upright clusters 4" to 6" long. Bloom time is June and July, flowers are not overwhelmingly showy but are nice for their summer appearance. Like most legume trees, heavy blooming does not occur each year. Growing Conditions: Full sun is best, seems to prefer loose, well-drained soils, soil pH is not an important factor, easily transplanted, fixes nitrogen. Pests & Problems: No serious problems, Japanese beetles may feed on foliage; may not bloom well every year; hard to find in retail nurseries, but worth the search.



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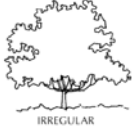

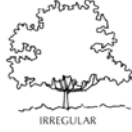

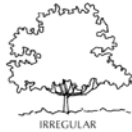


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<p>Merrill Loebner Magnolia <i>Magnolia x loebneri</i> 'Merrill'</p> 	 <p>ROUNDED</p>	<p>Height: 25' Spread: 25' Growth Rate: Medium to fast Hardiness: -30 Zone: 4a</p>	<p>General: Broadleaf deciduous tree/shrub, rounded outline. Fall Color: Medium-dark green. Flowering: Blooms in late winter to early spring in creamy white, fragrant flowers. Flower buds showed considerable damage at -32. May take 3-4 years before blooming. Growing Conditions: Sun or partial shade, acid, well-drained soil, rather frost resistant. Pests & Problems: No serious insect or disease problems.</p>
<p>Royal Star Magnolia <i>Magnolia stellata</i> 'Royal Star'</p> 	 <p>ROUNDED</p>	<p>Height: 20' Spread: 15' Growth Rate: Slow Hardiness: -25 Zone: 4b</p>	<p>General: A slow-growing, rounded form. Fall Color: Green. Flowering: White spring flowers; situate in locations that are cool in spring to delay early flowering. Growing Conditions: Full sun is best; grows best in moist, organic, fertile soil. Relatively adaptable as long as extreme sites are avoided; blooms are frequently injured by spring frosts. Pests & Problems: Magnolia scale may occur. Soft-wooded and prone to damage from heavy snow and ice but overall a relatively trouble-free plant.</p>
<p>Flowering Crabapple <i>Malus species</i></p> 	 <p>ROUNDED</p>	<p>Height: 15-25' Spread: 10-20' Growth Rate: Medium Hardiness: -25 Zone: 4b</p>	<p>General: Deciduous tree with crown rounded and dense. Can be used under power lines. Fall Color: Yellow and orange. Flowering: Fragrant flowers are red in bud, opening to bright white with 5 oval petals and a glabrous calyx. Unfortunately, this species has a tendency to alternate heavy flowering years with light ones. Growing Conditions: Sun, with a moist, well-drained and acidic to neutral soil. It transplants rather easily. Fairly drought-tolerant once established. Pests & Problems: Not very disease susceptible.</p>



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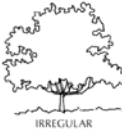
Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
Cascade Snow Cherry <i>Prunus 'Berry'</i> 	 IRREGULAR	Height: 25' Spread: 20' Growth Rate: Medium Hardiness: -20 Zone: 5a	General: Broadleaf deciduous tree, upright and spreading. Fall Color: Yellow to bronze-orange. Flowering: Very pale pink in bud, opening to pure white, single, in short-stemmed clusters - usually 3 per cluster. Growing Conditions: Full sun and well-drained soil. It grows best when given regular summer watering. Pests & Problems: Reportedly one of the most disease-resistant flowering cherries available for the Northwest landscape.
Snow Goose Cherry <i>Prunus 'Snow Goose'</i> 	 IRREGULAR	Height: 20' Spread: 20' Growth Rate: Medium Hardiness: -20 Zone: 5a	General: Broadleaf deciduous tree, upright, spreading with age. Fall Color: Leaves alternate, simple, ovate. New leaves green, not bronze. Flowering: Flowers appear before the leaves, single and pure white. They show a typical reddening of the center at the end of flowering. Growing Conditions: Full sun and well-drained soil. Pests & Problems: Brown rot blossom blight can affect the bloom. Leaf spot can lead to holes in the leaves.
Prairie Gem Pear <i>Pyrus ussuriensis</i> 'MorDak' 	 IRREGULAR	Height: 25' Spread: 15' Growth Rate: Slow Hardiness: -25 Zone: 4b	General: Small deciduous tree, shape is oval, upright or irregular. Short main trunk with several secondary, more or less upright, scaffold trunks, texture is fine to medium. Fall Color: Green. Flowering: White. Growing Conditions: Full sun, prefers a moist, well-drained, soil. As with all trees, water deeply in summer. Pests & Problems: Relatively pest free.
Rocky Mountain Glow Maple <i>Acer grandidentatum</i> 'Schmidt' 	 ROUNDED	Height: 25' Spread: 20' Growth Rate: Medium Hardiness: -20 Zone: 4b	General: Round or oval habit Fall Color: Intense yellow to orange-red Flowering: N/A. Growing Conditions: Full sun, medium water requirements. Pests & Problems: Susceptibility to winter cracking in the trunk, which usually heals over well. The tree has very brittle branches and requires very little pruning to keep its shape. Resistant to fire blight and has no major pests.



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<p>Paperbark Maple <i>Acer griseum</i></p> 	 <small>ROUNDED</small>	<p>Height: 25' Spread: 20' Growth Rate: Slow Hardiness: -20 Zone: 5a Planting Width: 5'</p>	<p>General: Small deciduous tree with round habit. Shape is oval, upright or irregular, has short main trunk with several, secondary, more or less upright scaffold trunks; texture is fine to medium. Tree is noted for its peeling, cinnamon to reddish brown bark. Fall Color: Red. Flowering: Green, inconspicuous. Growing Conditions: Full sun or partial shade; prefers a moist, well-drained, slightly acidic soil. Pests & Problems: Relatively pest free.</p>
<p>Peking Tree Lilac <i>Syringa pekinensis</i></p> 	 <small>OVAL</small>	<p>Height: 20' Spread: 20' Growth Rate: Medium Hardiness: -20 Zone: 5a</p>	<p>General: Deciduous shrub or small tree, multi-stemmed, slightly less in width with an upright growth habit. Fall Color: Insignificant. Flowering: White. Growing Conditions: Sun, good drought tolerance once established though initial establishment can be difficult in dry soils. As with all trees, water deeply in summer. Pests & Problems: Resistant to mildew, is attractive to bees, butterflies and/or birds.</p>
<p>Japanese Tree Lilac <i>Syringa reticulata</i></p> 	 <small>ROUNDED</small>	<p>Height: 25' Spread: 20' Growth Rate: Medium Hardiness: -20 Zone: 5a</p>	<p>General: Large shrub or small tree. Stiff, spreading branches with rounded crown. Fall Color: Insignificant. Flowering: Prune after flowering, cut off old flower heads. Growing Conditions: Full sun, prefers well-drained, slightly acidic soil and transplants easily. Needs good air circulation. Pests & Problems: Somewhat resistant to mildew, scales and borers.</p>
<p>City Sprite™ Zelkova <i>Zelkova serrata</i> 'JFS- KW1' P.A.F.</p> 	 <small>IRREGULAR</small>	<p>Height: 25' Spread: 18' Growth Rate: Medium Hardiness: -20 Zone: 5a</p>	<p>General: Compact oval to vase shape. Very compatible with sidewalks or vehicles. Low maintenance, tidy. Fall Color: Red and Purple. Flowering: Not ornamentally important. Growing Conditions: Full/mostly sun – as with all trees, water deeply in summer. Pests & Problems: Resistant to drought, foot traffic, and heat.</p>



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Wireless® Zerkova <i>Zelkova serrata</i> 'Schmidtlow'	 VASE	Height: 25' Spread: 35' Growth Rate: Medium Hardiness: -20 Zone: 5a	<p>General: Broadleaf deciduous tree, low and spreading in a vase form. Suitable for under utility lines.</p> <p>Fall Color: Fall color is variable, a mix of yellow, russet, bronze, dark red and purple can be quite showy on good specimens</p> <p>Flowering: Not ornamental.</p> <p>Growing Conditions: Sun, prefers moist, deep soil, pH adaptable; once established.</p> <p>Pests & Problems: Wind and drought tolerant. Some considered it a good substitute for American elm, for it is resistant to Dutch-elm disease, but generally it has not gained acceptance as a substitute.</p>
Persian Parrotia <i>Parrotia persica</i>	 IRREGULAR	Height: 30' Spread: 20' Growth Rate: Slow to Medium Hardiness: -20 Zone: 5a	<p>General: A consistently beautiful tree.</p> <p>Fall Color: Orange, red, and yellow fall color that is very showy.</p> <p>Flowering: Red flowers, blooms in late March, flowers before it leafs out.</p> <p>Growing Conditions: Full sun but will do well in light shade. Is drought resistant, heat tolerant, pH adaptable and extremely tolerant once established. Displays excellent stress tolerance, withstanding drought, heat, wind, cold.</p> <p>Pests & Problems: Very pest-free.</p>


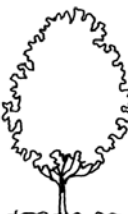





SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class II Trees – Standard Street Planting Strip Width: 5-8 ft.




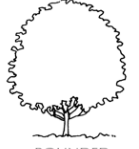




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Hedge Maple <i>Acer campestre</i>	 ROUNDED	Height: 30' Spread: 30' Growth Rate: Slow Hardiness: -20 Zone: 5a	<p>General: Deciduous, small to medium tree with very round crown; is densely branched, often branches are very low to the ground. Frequently used as a hedge. Interesting corky fissures on stems.</p> <p>Fall Color: Late, yellow fall color.</p> <p>Flowering: Blooms in May, small, yellow-green flowers in clusters</p> <p>Growing Conditions: Full sun, adaptable to many soils. The best maple for dry, alkaline soils, very acid, dry or compacted sites. Withstands air pollution, tolerates heavy pruning, is easily transplanted. This tree tolerates urban conditions and seed can germinate abundantly.</p> <p>Pests & Problems: Low branches make mowing difficult, so prune correctly.</p>
European Hornbeam <i>Carpinus betulus</i>	 OVAL	Height: 40' Spread: 25' Growth Rate: Slow Hardiness: -20 Zone: 5a	<p>General: A deciduous, medium sized tree that is excellent for screens. Somewhat pyramidal or oval when young, mature plants are broad and rounded. Foliage is typically dense and can be pruned or hedged if so desired. It is a long-lived tree, difficult to transplant as large tree.</p> <p>Fall Color: Yellow fall color, dark green summer foliage.</p> <p>Flowering: Monoecious with male and female flowers on the same plant; male flowers are 1.5" long catkins, female flowers are 1.5" to 3". Flowers are not considered showy, blooms in April.</p> <p>Growing Conditions: Full sun, very soil adaptable as long as the soil is well-drained, can tolerate urban conditions and pollution.</p> <p>Pests & Problems: Generally free of problems, can be attacked by Japanese Beetle - canker and stem die-back may occur occasionally. Narrow branch angles on upright forms may be prone to splitting in ice storms.</p>
Hackberry <i>Celtis occidentalis</i>	 ROUNDED	Height: 45' Spread: 35' Growth Rate: Fast Hardiness: -35 Zone: 3b	<p>General: Excellent choice for tough sites, this a large deciduous tree with a cylindrical shape when mature. Branches tend to droop.</p> <p>Fall Color: Yellow green fall color.</p> <p>Flowering: Not showy flowers.</p> <p>Growing Conditions: Prefers full sun, rich soil, is very soil adaptable and tolerant of most conditions. Wind tolerant, urban tolerant and easily transplant form B&B container or bare root.</p> <p>Pests & Problems: Powdery mildew, witches' broom may be caused by insects – these problems don't kill the tree – but will make it unattractive.</p>



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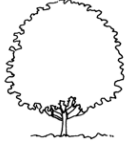


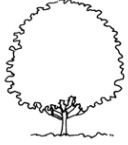


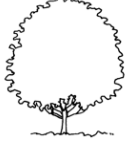




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<p>Katsuratree <i>Cercidiphyllum japonicum</i></p> 	 OVAL	<p>Height: 50' Spread: 30' Growth Rate: Medium to Fast Hardiness: -20 Zone: 5a</p>	<p>General: Large deciduous tree - some pyramidal, others wide spreading. Dense crown, coarse winter texture. Fall Color: Outstanding display, yellow to apricot fall color, colors early in season. Autumn leaves give off spicy, brown sugar odor. Flowering: Open before leaves in March-April, green and not showy. Growing Conditions: Rich, moist, well-drained soil, pH adaptable. Tree requires water during establishment and during dry periods. Size limits use to large spaces, not easy to transplant. Pests & Problems: None serious. Occasionally chewing insects eat the foliage.</p>
<p>American Yellowwood <i>Cladrastis lutea</i></p> 	 ROUNDED	<p>Height: 30-50' Spread: 40-55' Growth Rate: Medium Hardiness: -20 Zone: 5a</p>	<p>General: Rounded form. This species tends to flower heavily on alternate years. Fall Color: Soft mix of yellow, gold and orange, showy on most trees. Flowering: White, fragrant pea-like flowers in 10" to 16" long clusters, resemble wisteria blooms. Bloom time is early June and expect a heavy bloom every 2 or 3 years. Growing Conditions: Full sun; moist, well-drained soil; prefers alkaline soil, tolerates acid soil. Pests & Problems: Tree should be pruned in summer as winter or spring pruning can lead to excessive sap loss.</p>
<p>Giant Dogwood <i>Cornus controversa</i></p> 	 IRREGULAR	<p>Height: 35' Spread: 40' Growth Rate: Fast Hardiness: -20 Zone: 5a</p>	<p>General: Displays attractive horizontal branches clothed in large, five to eight-inch-long leaves, dark green above and silver/green beneath. The branching pattern is more upright in youth, spreading as it grows. Fall Color: Red. Flowering: White clusters of bloom in dense cymes up to five inches across Growing Conditions: Full sun, partial sun or partial shade. Will tolerate clay, sandy, loam and acidic with good drainage. Moderate drought tolerance. Pests & Problems: No pests are of major concern. Leaf spot, twig blight, or canker disease.</p>
<p>Turkish Filbert <i>Corylus colurna</i></p> 	 OVAL	<p>Height: 50' Spread: 30' Growth Rate: Medium Hardiness: -20 Zone: 5a</p>	<p>General: Deciduous tree, pyramidal crown. Has medium growth rate, medium texture, is tolerant of extreme conditions. Fall Color: Yellow to purplish-red fall color. Flowering: Monoecious, 2" to 3" long catkins, blooms early spring. Growing Conditions: Well-drained, loamy soil, full sun. This species is difficult to find, hard to propagate and transplant. Pests & Problems: No serious pest problems.</p>



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Hardy Rubber Tree <i>Eucommia ulmoides</i>  	 ROUNDED	Height: 45' Spread: 45' Growth Rate: Medium Hardiness: -20 Zone: 5a	General: Large, deciduous tree with rounded habit and medium growth rate. Medium texture, easily transplanted. Fall Color: None, leaves fall green. Flowering: Dioecious, no ornamental significance. Growing Conditions: Soil tolerant, full sun, pH adaptable, somewhat urban tolerant. Pests & Problems: None serious.
White Ash <i>Fraxinus americana</i>  	 ROUNDED	Height: 45-55' Spread: 30-40' Growth Rate: Medium Hardiness: -25 Zone: 4b	General: Flowers in spring, lovely shade tree, easily transplanted. Fall Color: Yellow to deep purple and maroon. Flowering: Small flowers that are green, purple and black, not ornamentally important. Growing Conditions: Prefers full sun, deep, moist, well-drained soils, moderate water requirements, pH adaptable. Pests & Problems: Somewhat disease and insect prone.
Manchurian Ash <i>Fraxinus mandshurica</i>  	 ROUNDED	Height: 40-50' Spread: 30-35' Growth Rate: Fast Hardiness: -25 Zone: 4b	General: Hardy medium sized shade tree with a rounded, shapely habit of growth. Fall Color: Yellow. Flowering: Not ornamentally significant. Growing Conditions: Full sun, very adaptable to both dry and moist locations, drought-tolerant, highly tolerant of urban pollution and will even thrive in inner city environments. Pests & Problems: None serious.
Blue Ash <i>Fraxinus quadrangulata</i>   	 OVAL	Height: 40-50' Spread: 30-35' Growth Rate: Vigorous Hardiness: -25 Zone: 4b	General: Flowers in spring, fruits in fall, easily transplanted. Fall Color: Yellow to deep purple and maroon. Flowering: Not ornamentally important. Growing Conditions: Prefers full sun, moderate water requirements, drought tolerant. Tolerates high pH, salt, wind, drought, sterile soils, and 2, 4-D better than many trees. Pests & Problems: Susceptible to many problems: rust, dieback, Emerald Ash Borer (EAB), scale and other insects, "ash yellows".



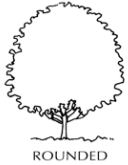

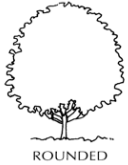
Comment [j1]:



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class II Trees – Standard Street Planting Strip Width: 5-8 ft.

Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
Thornless Honeylocust <i>Gleditsia triacanthos</i> var. <i>inermis</i>	 ROUNDED	Height: 45' Spread: 35' Growth Rate: Fast Hardiness: -25 Zone: 4-7	General: Rounded habit - usually a tree with a short trunk and open-spreading crown (light-shade), with a very delicate and sophisticated silhouette. Readily transplanted, withstands wide range of conditions. Fall Color: Leaves turn a showy, clear yellow, leaves typically drop early. Flower Color: Fragrant, small, greenish-yellow flowers, blooms in May and June. Growing Conditions: Full sun, drought resistant, pH adaptable, salt and urban tolerant. Pests & Problems: Leaf spot, canker, powdery mildew, rust gall and webworm can defoliate tree.
 Carolina Silverbell <i>Halesia tetraptera</i> <i>H. carolina</i> <i>H. monticola</i>	 ROUNDED	Height: 35' Spread: 25' Growth Rate: Medium Hardiness: -20 Zone: 4-7	General: Rounded habit with ornamental, white flowers in early spring, fruits summer to late summer. Low-branched tree with narrow head and ascending branches. Fall Color: Yellow-green. Flowering: Pendulous, white, bell-shaped flowers, in clusters of up to 5. Growing Conditions: Full sun to partial shade, prefers a moist, well-drained, acid soil. Use container grown material, as B&B plants are difficult to establish. Pests & Problems: Exceptionally pest resistant.
 Goldenrain Tree <i>Koelreuteria</i> <i>paniculata</i>	 ROUNDED	Height: 30' Spread: 30' Growth Rate: Medium to Fast Hardiness: -20 Zone: 5a	General: Rounded habit, this is a beautiful dense tree that is sparingly branched with branches spreading and ascending. Fruits in summer with a long fruiting season. Fall Color: Yellow or golden with an orange cast, inconsistent fall color, often only a yellowish-green. Flowering: Yellow flowers spring to late spring. Growing Conditions: Full sun, drought resistant, pH adaptable, urban tolerant. Transplants well, is adaptable to wide range of soils; withstands drought, heat, wind and alkaline soils, and tolerates air pollutants. Pests & Problems: None serious.


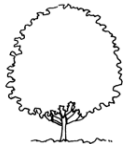



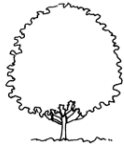
Comment [J2]: Class III tree. This one is a duplicate.



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class II Trees – Standard Street Planting Strip Width: 5-8 ft.


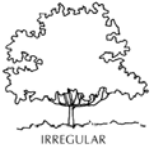

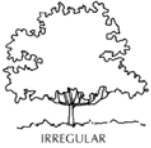




Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
Korean Mountain Ash <i>Sorbus alnifolia</i> 	 ROUNDED	Height: 40' Spread: 30' Growth Rate: Fast Hardiness: -30 Zone: 4a	General: Rounded habit. Flowers in spring, fruits in fall and has a long fruiting season. Good bird food, malodorous flowers. Fall Color: Yellow to golden brown fall color. Flowering: White flowers, 0.5" in diameter, borne in corymbs, 2" to 3" across, 6 to 10 flowers clustered in corymbs. Blooms in May. Growing Conditions: Full sun partial shade, very pH adaptable, does not withstand polluted conditions. Pests & Problems: Least susceptible to borer injury.
Tupelo or Black Gum <i>Nyssa sylvatica</i> 	 PYRAMIDAL	Height: 40' Spread: 25' Growth Rate: Slow to Medium Hardiness: -20 Zone: 5a	General: Beautiful tree, flowers in spring, fruits in fall. Difficult to transplant due to taproot. Fall Color: Fluorescent yellow to orange to red or purple color; very showy Flowering: Not ornamentally significant. Growing Conditions: Full sun or partial shade, moderate to high water requirements, acid soil. Source of bird food. Pests & Problems: Cankers, leaf spots, rust, tupelo leaf miner and scale. Summer leaf spotting results in irregular black lesions and most trees contract the disease, which is quite disfiguring.
American Hop Hornbeam <i>Ostrya virginiana</i> 	 ROUNDED	Height: 40' Spread: 25' Growth Rate: Slow Hardiness: -30 Zone: 4a	General: Very graceful small tree with many horizontal or drooping branches usually forming a rounded outline. Somewhat slow to reestablish after transplanting. Fall Color: Yellowish brown to orange, not particularly impressive. Flowering: Male flowers are catkins in 3's, not highly ornamental. Growing Conditions: Full sun to partial shade, acid soil tolerant, and drought resistant. Pests & Problems: None serious, witches broom on occasion.



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class II Trees – Standard Street Planting Strip Width: 5-8 ft.







Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
 <p>His Majesty Cork Tree <i>Phellodendron 'His Majesty'</i></p>	 <p>IRREGULAR</p>	<p>Height: 40' Spread: 35' Growth Rate: Medium Hardiness: -30 Zone: 4a</p>	<p>General: Medium-sized deciduous tree, which is significantly wider than tall. Branching is broad spreading with a short main trunk and several large main branches; trees frequently become almost flat-topped with maturity, picturesque branching. Fall Color: Yellow and short-lived, not especially showy. Flowering: Dioecious, with male and female plants, flowers are small and greenish-yellow and not ornamentally significant. Blooms in late May and early June. Growing Conditions: Easily transplanted, tolerant of many soil and pHs, full sun, somewhat tolerant of drought and pollution. Pests & Problems: Very pest free.</p>
 <p>Sargent Cherry <i>Prunus sargentii</i></p>	 <p>IRREGULAR</p>	<p>Height: 30' Spread: 25' Growth Rate: Fast Hardiness: -30 Zone: 4a</p>	<p>General: One of most beautiful cherries in flower, purple-black fruit in summer – good for bird food. Fall Color: Bronze to red. Flowering: Ornamental pink flowers in spring. Growing Conditions: Full sun, pH adaptable. Pests & Problems: Little invasive potential.</p>
 <p>Sawtooth Oak <i>Quercus acutissima</i></p>	 <p>ROUNDED</p>	<p>Height: 30' Spread: 45' Growth Rate: Medium Hardiness: -20 Zone: 5a</p>	<p>General: Dense, broad pyramidal in youth – then varying in old age from oval-rounded to broad-rounded with low-slung, wide-spreading branches. Good source of bird food. Fall Color: Brownish-yellow fall color. Flowering: Monoecious, male flowers are pendulous yellow-green catkins. Blooms in May, is messy. Growing Conditions: Full to partial sun, acid soil, easily grown, transplants readily. Prefers acid, well-drained soils but also adaptable. Pests & Problems: Disease, heat, and insect resistant.</p>
 <p>Chinkapin Oak <i>Quercus muehlenbergii</i></p>	 <p>ROUNDED</p>	<p>Height: 45' Spread: 45' Growth Rate: Medium Hardiness: -20 Zone: 5a</p>	<p>General: Rounded habit. Fall Color: Yellow fall color, very show. Color develops late and is long lasting. Flowering: Monoecious, male flowers are pendulous with yellow-green catkins. Blooms in May, is messy. Growing Conditions: Full to partial sun, alkaline soil. Somewhat difficult to transplant, prefers rich bottomlands. Pests & Problems: Disease, drought, and insect resistant.</p>



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class II Trees – Standard Street Planting Strip Width: 5-8 ft.






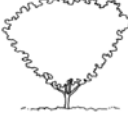

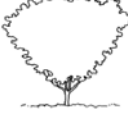
Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
American Linden <i>Tilia Americana</i> 	 PYRAMIDAL	Height: 45' Spread: 30' Growth Rate: Medium Hardiness: -35 Zone: 3b	General: Tall stately tree. Pyramidal in youth then somewhat rounded crown at maturity. Fall Color: Green or yellowish. Flowering: Small, creamy white flowers that are fragrant and attractive to bees. Blooms in late June to early July in loose drooping clusters with a yellow-green leaf-like bract. Growing Conditions: Full sun to part shade. Drought resistant, fragrant flowers, pH adaptable, transplants readily. Will grow on drier, heavier soils; is not particularly air pollutant tolerant. Pests & Problems: Scales and linden mite can be serious problems. Prone to other pests.
Littleleaf Linden <i>Tilia cordata</i> 	 PYRAMIDAL	Tree Class: II Std. Planter Width: 5-8' Height: 40' Spread: 30' Growth Rate: Slow Hardiness: -30 Zone: 4a	General: One of best city and street trees. Pyramidal in youth; upright-oval to pyramidal rounded and densely branched in old age. Fall Color: Yellow or yellow-green. Flower Color: Small, individual flowers in loose drooping clusters, with a leaf-like bract. Light yellow or creamy flower color. Blooms in late June and early July, very fragrant; bees are attracted to the flowers. Growing Conditions: Full sun to part shade. Drought resistant, fragrant flowers, pH adaptable, urban tolerant. Readily transplanted, quite pollution tolerant. Pests & Problems: Same as <i>T. americana</i> also aphids and Japanese beetles often a problem.
Sterling Silver Linden <i>Tilia tomentosa</i> 'Sterling' 	 PYRAMIDAL	Height: 45' Spread: 35' Growth Rate: Fast Hardiness: -20 Zone: 5a	General: Pyramidal in youth; upright-oval to pyramidal-oval in old age. A beautiful shade tree. Fall Color: Yellow or yellow-green. Flower Color: Small, individual flowers in loose drooping clusters, 7 to 10 flowers, followed by clusters with a leaf-like bract 1.5" to 2.5" long. Light yellow or creamy flower blooms in late June and early July and is fragrant. Bees are attracted to the flowers in great numbers. Growing Conditions: Full sun to part shade. Drought resistant, fragrant flowers, pH adaptable, urban tolerant. Readily transplanted, quite pollution tolerant - great city and street tree. Pests & Problems: Similar to <i>T. cordata</i> .



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class II Trees – Standard Street Planting Strip Width: 5-8 ft.



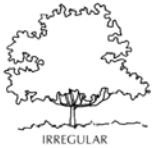
Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
Frontier Elm <i>Ulmus x 'Frontier'</i> 	 VASE	Height: 40' Spread: 30' Growth Rate: Fast Hardiness: -20 Zone: 5a	General: Deciduous tree with a broad vase-shape habit and pendulous branches. Fall Color: Red-purple-burgundy. Flower Color: N/A. Growing Conditions: Full sun to part shade. Drought resistant, fragrant flowers, easily transplanted. Adaptable to extremes of pH and soil, shows excellent urban soil tolerance. Pests & Problems: Shows considerable resistance to Dutch elm disease and also elm leaf and Japanese beetle.
Chinese Elm <i>Ulmus parvifolia</i> 	 VASE	Height: 40' Spread: 25' Growth Rate: Fast Hardiness: -20 Zone: 5a	General: Deciduous tree with a broad vase-shape habit and pendulous branches. Fall Color: Yellowish-brown. Flower Color: N/A. Growing Conditions: Full sun to part shade. Drought resistant, fragrant flowers, pH adaptable. Shows excellent urban tolerance, is easily transplanted and adaptable to extremes of pH and soil. Pests & Problems: Shows considerable resistance to Dutch elm disease and also elm leaf and Japanese beetle.
Emerald Sunshine Elm <i>Ulmus propinqua 'JFS-Bieberich'</i> 	 VASE	Height: 40' Spread: 25' Growth Rate: Medium Hardiness: -20 Zone: 5a	General: Vase shape with thick deep green leaves. Fall Color: Yellow. Flower Color: N/A. Growing Conditions: Full sun, is heat and drought tolerant. Disease & Insects: Tolerant to elm leaf beetle, Dutch elm disease and Phloem Necrosis.
Prospector Elm <i>Ulmus wilsoniana 'Prospector'</i> 	 VASE	Height: 40' Spread: 30' Growth Rate: Medium to Fast Hardiness: -25 Zone: 4b	General: Vase shape with dense crown and large green leaves. Good as a street tree, under power lines and in municipal sites or parks. Fall Color: Good yellow fall color. Flowering: Very early spring; inconspicuous; not ornamental. Growing Conditions: Best grown in well-drained soils - some tolerance for adverse sites. Limited availability. Can be used as street tree, lawn or under power lines due to its shape and size. Pests & Problems: Tolerant to elm leaf beetle, Dutch elm disease and Phloem Necros.



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class III Trees – Standard Street Planting Strip Width: 8 ft. +

Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
Sugar Maple <i>Acer saccharum</i>	 ROUNDED	Height: 50' Spread: 40' Growth Rate: Slow Hardiness: -25 Zone: 4b	<p>General: Beautiful shade tree. Upright-oval to rounded when mature; usually quite dense in foliage. Branches are strong, rarely breaks in wind or under ice load.</p> <p>Fall Color: Excellent yellow, orange or red. Shaded leaves on plant interior are yellow, while exterior, exposed leaves turn orange with a red cast.</p> <p>Flowering: Small yellowish green, before leaves in April.</p> <p>Growing Conditions: Full sun to part shade. Does not perform well when root zone is restricted and is not tolerant of high heat, pollution or road salt. Does tolerate some shade but full sun needed for proper landscape development.</p> <p>Pests & Problems: Leaf scorch can be a serious problem caused by excessive drought. Intolerant of urban conditions.</p>
Northern Catalpa <i>Catalpa speciosa</i>	 ROUNDED	Height: 40-60' Spread: 20-40' Growth Rate: Fast Hardiness: -20 Zone: 5a	<p>General: Medium sized tree with irregular, rounded crown. Leaves are heart-shaped to arrowhead-like, green in color. Bears long, green, bean-like capsule fruits 8” to 20” long.</p> <p>Fall Color: Yellow-green fall color.</p> <p>Flowering: Perfect, white flowers, 2” in diameter, bell-shaped, with wavy petal edges and spotted throat borne in long panicles 4” to 8” long. Blooms in June.</p> <p>Growing Conditions: Full sun to partial shade, soil tolerant, transplants readily.</p> <p>Pests & Problems: Leaf spots, powdery mildew, twig blight, fruit litter.</p>
Magnifica Hackberry <i>Celtis 'Magnifica'</i>	 IRREGULAR	Height: 50-60' Spread: 40-50' Growth Rate: Fast Hardiness: -20 Zone: 5a	<p>General: Rounded and spreading to pyramidal. Hybrid of <i>C. laevigata</i> and <i>C. occidentalis</i> and has larger glossier leaves than its parents. Corky gray bark provides winter interest.</p> <p>Fall Color: Vibrant yellow.</p> <p>Flowering: Edible drupes that can temporarily stain sidewalks.</p> <p>Growing Conditions: Full sun. Stands up well to windy conditions and can tolerate a wide range of environmental and soil conditions.</p> <p>Pests & Problems: More insect resistant than parents. Resistant to witches broom. Tough and tolerant urban tree.</p>




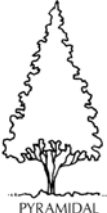

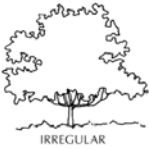




SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class III Trees – Standard Street Planting Strip Width: 8 ft. +





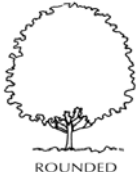
Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
 <p>European Beech <i>Fagus sylvatica</i></p>	 <p>PYRAMIDAL</p>	<p>Height: 50-60' Spread: 40-50' Growth Rate: Slow Hardiness: -30 Zone: 4a</p>	<p>General: Broad pyramidal shape, upright oval character when young. Tends to branch close to ground. Very formal in outline. Source of bird food. Fall Color: Reddish bronze, very attractive, leaves tend to persist through winter. Flowering: Monoecious, usually flowers in April or Early May but not ornamentally important. Growing Conditions: Full sun is best up to part shade, pH adaptable. Tolerant of various soils but doesn't like excessively wet soils. Shallow wide root system. Pests & Problems: Some bark disease problems and minor pest problems. Branches generally touch ground. Does not like wet soils; fruit litter can be a problem and tree tends to sucker.</p>
 <p>Maidenhair Tree <i>Ginkgo Biloba</i></p>	 <p>PYRAMIDAL</p>	<p>Height: 50-60' Spread: 30-40' Growth Rate: Slow Hardiness: -25 Zone: 4b</p>	<p>General: Large tree with medium texture and rather coarse in winter. Conical form when young, spreading lateral branches with age. Unique fan shaped leaves notched at the apex. Fall Color: Excellent yellow color, leaves drop quickly, especially following a freeze. Flowering: Not ornamental, dioecious: male – 1" long catkin in April; female – green, naked ovules. Trees may not flower until 20 years old. Seed produced on female tree only – flesh covering seed has foul smell often described as rancid butter. Growing Conditions: Full sun, prefers deep sandy soils and moderate moisture; is pH adaptable and of almost any other condition. Tolerant of pollution, salt, air, and heat. Pests & Problems: Pest free. Female plants have foul smelling fruit. Slow to become established.</p>
 <p>Kentucky Coffeetree <i>Gymnocladus dioicus</i></p>	 <p>IRREGULAR</p>	<p>Height: 50' Spread: 35' Growth Rate: Medium Hardiness: -30 Zone: 4a</p>	<p>General: Unique habit, picturesque quality, upright to irregular branching. Somewhat clumsy looking in winter but has interesting textured bark – gray, ridged, and furrowed with rough look. Fall Color: Inconsistent – sometimes a good yellow, but often not good. Fallen leaves are somewhat of a litter problem due to the large rachis. Flowering: Dioecious, fragrant, not highly ornamental but interesting. Fruit is a chunky, dark reddish brown pod ripening in October. Growing Conditions: Full sun or perhaps part shade, prefers deep, moist, rich soil for best growth. Drought resistant, pH and soil adaptable, urban tolerant. Adaptable to wide range of soil conditions. Pests & Problems: None serious. Litter from leaves and fruit potentially.</p>



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class III Trees – Standard Street Planting Strip Width: 8 ft. +

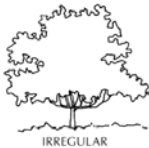





Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
Black Walnut <i>Juglans nigra</i>	 OVAL	Height: 60' Spread: 50' Growth Rate: Medium Hardiness: -20 Zone: 5a	General: Oval, open crown. Highly prized wood; also edible ornamental. Dark brown to grayish black bark with deep narrow furrows – diamond-shaped pattern. Fall Color: Yellow. Flowering: Not ornamentally important. Fruit is an edible nut. Growing Conditions: Full sun, prefers moist, well-drained rich and deep soil. Tolerates alkaline soils. Pests & Problems: Difficult to transplant. Allelopathic.
 Tulip Tree <i>Liriodendron tulipifera</i>	 IRREGULAR	Height: 60' Spread: 35' Growth Rate: Fast Hardiness: -20 Zone: 4a	General: Extremely large size. Somewhat pyramidal in youth maturing to oval-rounded or irregular, long-fruiting season. Trunks are massive. Fall Color: Can be very showy. Golden yellow to clear yellow. Flowering: Has 2-3" tulip shaped upright blossoms borne singly at branch ends. Blooms late May through mid-June. Petals are yellow-green. Growing Conditions: Full sun, prefers a deep, moist, fertile soil, slightly acidic is best, pH adaptable. Avoid very dry, hot sites. Has a fleshy, poorly branched root system. Pests & Problems: Aphids are a real problem - their "honeydew" covers leaves which then are overrun by sooty mold fungus. Susceptible to other pests as well.
 Sweetgum <i>Liquidambar styraciflua</i>	 ROUNDED	Height: 60-80' Spread: 40-60' Growth Rate: Medium to Fast Hardiness: -15 Zone: 5b	General: Nice shade tree, pyramidal when young, oblong to rounded when mature. Alternate "maple-like" star shaped leaves. Fall Color: Typically quite showy, best trees are orange, red, burgundy, and purplish. Flowering: Monoecious, yellowish-green in May, not showy. Fruit are 1-1.5" spiny balls. Growing Conditions: Best in full sun, part shade okay. Prefers deep, moist, bottomland soils. Transplant B&B due to fleshy, coarse root system. Use larger plants when transplanting in colder areas to avoid cold injury to twigs. Pests & Problems: Chlorosis on high pH soils and lack of cold hardiness – especially in young trees, shallow root system. Fruit can be a litter problem.



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class III Trees – Standard Street Planting Strip Width: 8 ft. +

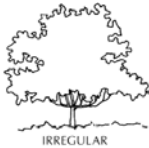

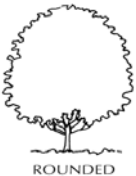

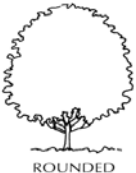
Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics	
Cucumbertree Magnolia <i>Magnolia acuminata</i>	 IRREGULAR	Height: 50-80' Spread: 40-80' Growth Rate: Fast Hardiness: -25 Zone: 4b	<p>General: Pyramidal in youth and becoming more open with age. Wide-spreading branches emit spicy odor when bruised.</p> <p>Fall Color: Yellowish bronze.</p> <p>Flowering: Greenish white flowers that are fragrant. Blooms in spring, generally hidden by foliage. Fruit looks like a cucumber with red seeds – very showy.</p> <p>Growing Conditions: Full sun to partial shade, prefers fertile, moist soil; soil tolerant, transplant from container or B&B as is difficult to transplant.</p> <p>Pests & Problems: Thin bark easily damaged by lawn equipment; susceptible to scale.</p>	
	Dawn Redwood <i>Metasequoia glyptostroboides</i>	 PYRAMIDAL	Height: 70' Spread: 25' Growth Rate: Fast Hardiness: -20 Zone: 4b	<p>General: Large, coniferous tree. Pyramidal, uniform conical. Texture is fine and airy in leaf. Attractive shredded reddish brown bark. Develops an interesting buttressed trunk with braided structure.</p> <p>Fall Color: Needles turn a unique pinkish tan to reddish bronze before dropping in the fall.</p> <p>Flowering: Not ornamentally important. Produces elongated or rounded cones. Easy to transplant, avoid locating in frost pockets.</p> <p>Growing Conditions: Full sun, best in moist, well-drained, slightly acidic soils; pH adaptable.</p> <p>Pests & Problems: Disease and insect resistant overall but can be susceptible to canker infestations and early fall frosts. Does poorly in dry or high pH soils. Large size must be accommodated.</p>
	Bloodgood London Planetree <i>Plantanus x acerifolia</i> 'Bloodgood'	 ROUNDED	Height: 60' Spread: 50' Growth Rate: Fast Hardiness: -15 Zone: 5b	<p>General: Large rounded tree that is pyramidal in youth developing with age to a large, open, wide-spreading outline with massive branches.</p> <p>Fall Color: Poor yellow.</p> <p>Flowering: Not ornamentally important.</p> <p>Growing Conditions: Full sun to part shade, pH adaptable, urban tolerant. Easily transplanted, will grow in about anything, withstands high pH conditions and pollutants; withstands smoke and grime of cities.</p> <p>Pests & Problems: Disease resistant but canker stain can be very serious.</p>
				



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class III Trees – Standard Street Planting Strip Width: 8 ft. +


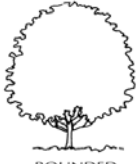




Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
Ponderosa Pine <i>Pinus ponderosa</i>	 <small>IRREGULAR</small>	Height: 60-100' Spread: 20-30' Growth Rate: Fast Hardiness: -40 Zone: 3a	<p>General: Evergreen tree with a narrow, upright, oval form in youth opening up into irregular crown. Needles in 3's, 8-10" long with a sharply pointed apex. Thick fire resistant bark that is vanilla scented when bruised. Good windbreaker, specimen, highway buffer, or for mass plantings.</p> <p>Fall Color: Needles stay same as summer – light green in color.</p> <p>Flowering: Not ornamentally important. Produces 4" long reddish, showy, oval cones.</p> <p>Growing Conditions: Full sun is best, prefers well-drained, acidic, deep, moist soil. Ponderosa Pine is drought tolerant - preferred transplant is B&B, salt tolerant.</p> <p>Pests & Problems: Needle cast (although needles are great for mulch – especially on pathways), bark beetle and pitch canker can be problems.</p>
 Swamp White Oak <i>Quercus bicolor</i>	 <small>ROUNDED</small>	Height: 50' Spread: 40' Growth Rate: Medium Hardiness: -30 Zone: 4a	<p>General: Pyramidal when young, upright-rounded to broad-rounded with wide-spreading branches at maturity; very imposing specimen when full grown - one of the most handsome of oaks. Attracts wildlife.</p> <p>Fall Color: Copper to red.</p> <p>Flowering: Monoecious, male flowers are pendulous yellow-green catkins. Blooms in May, is messy. Fruit is a rounded acorn.</p> <p>Growing Conditions: Part shade to full sun. Found on many soil types. Prefers acid soils and likes swampy situations. Drought tolerant.</p> <p>Pests & Problems: Possible susceptibility to problems reported on oaks –including leaf eaters and gall forming cankers, but is generally a durable long-lived tree.</p>
 Shingle Oak <i>Quercus imbricaria</i>	 <small>ROUNDED</small>	Height: 50' Spread: 40' Growth Rate: Medium Hardiness: -20 Zone: 5a	<p>General: Pyramidal to upright-oval in youth then assuming a haystack-shaped to broad-rounded outline in old age.</p> <p>Fall Color: Yellow-brown; brown leaves persist on the tree into winter.</p> <p>Flowering: Monoecious, male flowers are pendulous yellow-green catkins. Blooms in May, is messy. Fruit is a small acorn.</p> <p>Growing Conditions: Full sun to part shade. Prefers acid soil and is drought resistant. Transplants fairly well.</p> <p>Pests & Problems: Possible susceptibility to problems reported on oaks – including leaf eaters and gall forming cankers, but is generally a durable long-lived tree.</p>



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class III Trees – Standard Street Planting Strip Width: 8 ft. +


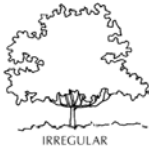

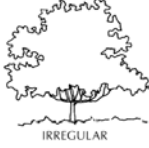


Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
English Oak <i>Quercus robur</i> 	 ROUNDED	Height: 50' Spread: 40' Growth Rate: Slow Hardiness: -20 Zone: 5a	General: Large, massive, broadly rounded, open-headed tree with a short trunk; too large for the average landscape; in youth pyramidal to rounded. Fall Color: Leaves remain green late into autumn, autumn effect is poor. Flowering: Monoecious, male flowers are yellow-green catkins. Fruit is small elongated acorn. Growing Conditions: Full sun to part shade; pH adaptable. Pests & Problems: Mildew is often a serious problem on the species.
Red Oak <i>Quercus rubra</i> 	 ROUNDED	Height: 50' Spread: 45' Growth Rate: Slow Hardiness: -30 Zone: 4a	General: Rounded in youth, in old age often round-topped and symmetrical. Long-lived. Fall Color: A mixture of russet-red, yellow and tan. Color develops late, can be quite good or disappointing. Flowering: Pale yellow-green catkins (male) add slight seasonal interest in May. Fruits are acorns borne singly or in pairs, and have large saucer-like caps. Growing Conditions: Full sun, prefers acid soil, salt and urban tolerant. Transplants readily because of negligible taproot; prefers sandy loam soils; withstands polluted air of cities. Pests & Problems: Basically free of problems, although problems listed for white oak can sometimes be problematic for this oak –including leaf eaters and gall forming cankers. Fruit can be numerous and create a litter problem for lawns and sidewalks.
Shumard Oak <i>Quercus shumardii</i> 	 OVAL	Height: 50' Spread: 40' Growth Rate: Fast Hardiness: -20 Zone: 5a	General: Strongly pyramidal when young then oval-rounded when mature - usually with a central leader. Fall Color: Orange to red, showy. Flowering: Monoecious, male flowers pendulous yellow-green catkins, blooms in May, messy. Fruit is an acorn. Growing Conditions: Full sun, drought resistant, pH adaptable. Readily transplanted. Very intolerant of high pH soils and iron chlorosis can be a significant and disastrous problem with this species; somewhat tolerant of city conditions; tolerant of sulfur dioxide. Pests & Problems: Galls are often a problem; iron chlorosis can be serious but corrected. Best advice - avoid this tree where pH is too high. Oak wilt will kill tree. Acorns can be a litter problem.



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class III Trees – Standard Street Planting Strip Width: 8 ft. +

Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
<p>White Oak <i>Quercus alba</i></p> 	 <p>IRREGULAR</p>	<p>Height: 60' Spread: 50' Growth Rate: Slow Hardiness: -30 Zone: 4a</p>	<p>General: Pyramidal when young, upright-rounded to broad-rounded with wide-spreading, irregular branches at maturity; very imposing specimen when full grown - one of most handsome oaks. Fall Color: Purple-red, generally fairly showy, color develops late and is long lasting. Flowering: Monoecious, male flowers pendulous yellow-green catkins, blooms in May, messy. Fruit is an elongated acorn, bowl like cap is bumpy. Growing Conditions: Full sun but can tolerate part shade, prefers acidic soil, good source of bird food, edible ornamental. Found in many soil types. Pests & Problems: Possible susceptibility to problems reported on oaks – including leaf eaters and gall forming cankers, but is generally a durable long-lived tree. Difficult to transplant and establish.</p>
<p>Bur Oak <i>Quercus macrocarpa</i></p> 	 <p>IRREGULAR</p>	<p>Height: 60' Spread: 50' Growth Rate: Slow Hardiness: -40 Zone: 3a</p>	<p>General: Weakly pyramidal to oval in youth, gradually developing a massive trunk and a broad crown of stout branches; impressive as an open-grown specimen of the prairie. Fall Color: Yellowish-brown. Flowering: Brown catkins, not ornamentally important. Fruit is an acorn. Growing Conditions: Full sun, drought resistant, pH adaptable, urban tolerant. Difficult to transplant; very adaptable to various soils and is found on sandy plains to alluvial bottoms. More tolerant of city conditions than most oaks. Pests & Problems: None serious.</p>
<p>Japanese Pagoda Tree <i>Sophora japonica</i></p> 	 <p>ROUNDED</p>	<p>Height: 50' Spread: 40' Growth Rate: Fast Hardiness: -15 Zone: 5b</p>	<p>General: Usually upright-spreading with a broadly rounded crown at maturity; casts a relatively light shade. Fall Color: None. Leaves drop green or green-yellow. Flowering: Pale yellow to creamy white, fragrant flowers, pea-like, hang in 6-12" clusters, bloom in August. Fruit is a 3-8" green pod turns yellow and eventually brown in October. Growing Conditions: Full sun to part shade, heat tolerant, long fruiting season, urban tolerant. Pests & Problems: Some pest/disease problems, twig kill in severe winters, canker that is made worse by cold injury, can be messy due to dropped petals, fruit and leaves.</p>



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class III Trees – Standard Street Planting Strip Width: 8 ft. +





Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
<p>Giant Sequoia <i>Sequoiadendron giganteum</i></p> <div style="display: flex; align-items: center; gap: 10px;"> </div>	<p>PYRAMIDAL</p>	<p>Height: 60-100' Spread: 20-30' Growth Rate: Fast Hardiness: -15 Zone: 5b</p>	<p>General: An evergreen that is dense and pyramidal, tall, upright and spreading. High wildlife value, very long lived. Fall Color: None Flowering: Not ornamentally important. Cones are 1.5-3" long and reddish brown, upright first year, and pendulous second year. Growing Conditions: Full sun to part shade. Well-draining, deep, moist, acidic soil. Occasional to regular water requirements. Does withstand drier sites than <i>Sequoia sempervirens</i>. Pests & Problems: Not frequently available in retail nurseries; available online.</p>
<p>Baldcypress <i>Taxodium distichum</i></p> <div style="display: flex; align-items: center; gap: 10px;"> </div>	<p>PYRAMIDAL</p>	<p>Height: 50-60' Spread: 20-30' Growth Rate: Medium Hardiness: -20 Zone: 5a</p>	<p>General: Pyramidal to conical, especially when young. Some older trees develop spreading, irregular forms. Develops buttressed trunk base. Root "knees" can form on older trees in wet sites. Attractive reddish brown bark, vertically fibrous and fissured. Fall Color: This deciduous conifer turns a bronze-yellow to a rusty orange-brown in the autumn. Flowering: Flowers are monoecious and appear from mid-March to early April before the leaves emerge. Male cones or flowers are borne in 4-5" narrow drooping panicles and the female flowers or cones are oval, purple and less than 1/4" long. Growing Conditions: Full sun. Prefers moist to wet soils, but tolerates a variety of conditions including average dry sites with acidic to neutral soils. Tolerant of strong winds. Transplant from container or B&B. Pests & Problems: Relatively care-free but if tree is weakened, there are a number of diseases and insects that can attack.</p>
<p>Accolade Elm <i>Ulmus 'Morton'</i></p> <div style="display: flex; align-items: center; gap: 10px;"> </div>	<p>VASE</p>	<p>Height: 50-70' Spread: 30-50' Growth Rate: Medium to Fast. Hardiness: -30 Zone: 4a</p>	<p>General: Vase shaped with arching limbs. Glossy, dark, green foliage. Growth habit gives good form and appearance similar to the American Elm. A hybrid of <i>U. japonica</i> x <i>U. wilsoniana</i>. Fall Color: A rich golden yellow. Flowering: Inconspicuous small green flowers in early spring. Small, flat, round samara fruit. Growing Conditions: Prefers full sun. Average moisture needs. Tolerant of loam or sand, moderately tolerant of clay. High drought tolerance, moderate tolerance to wet conditions and tough urban tolerance. Pests & Problems: Tolerant of Dutch elm disease, elm leaf miner and elm leaf beetle.</p>



SPOKANE URBAN FORESTRY APPROVED STREET TREE LIST



Class III Trees – Standard Street Planting Strip Width: 8 ft. +

Common Name Scientific Name	Form at Maturity	Growth & Mature Size	Characteristics
Pioneer Elm <i>Ulmus x 'Pioneer'</i> 	 OVAL	Height: 40-60' Spread: 40-50' Growth Rate: Fast Hardiness: -20 Zone: 5a	General: Broad oval to rounded spreading crown. A hybrid of <i>U. glabra</i> x <i>U. carpinifolia</i> . Fall Color: Yellow. Flowering: Inflorescences open in August and early September, are greenish-yellow, occur in the leaf axils, and are noticeable but ornamentally insignificant - being rather small and hidden among the foliage. Growing Conditions: Full sun to partial shade. Pests & Problems: Extremely vigorous and disease resistant. Tolerant of Dutch Elm Disease.
Japanese Zelkova <i>Zelkova serrata</i> 	 VASE	Height: 50-70' Spread: 40-50' Growth Rate: Medium to Fast Hardiness: -20 Zone: 5a	General: A low-branched, vase-shaped tree becoming more rounded and broad in maturity. Fall Color: Yellow, gold, orange, bronze, red, and purple. Flowering: Monoecious and ornamentally insignificant bloom occurs in April. Growing Conditions: Full sun, very wind and drought tolerant once established, heat tolerant and pH adaptable. Urban tolerant with reasonable pollution tolerance. Pests & Problems: Young trees are susceptible to frost. Susceptible to some of the problems typical in elms; however, resistant to Dutch elm disease.