



## CITY OF SPOKANE PARKS AND RECREATION URBAN FORESTRY

### APPROVED STREET TREE LIST

City of Spokane Parks and Recreation  
808 W. Spokane Falls Blvd  
Spokane, WA 99201  
Phone: 509.363.5495  
Web: [SpokaneUrbanForestry.org](http://SpokaneUrbanForestry.org)  
Email: [UrbanForestry@SpokaneCity.org](mailto:UrbanForestry@SpokaneCity.org)

Document last updated: April 2019



# INTRODUCTION

Spokane Urban Forestry's mission is to create a diverse, healthy, and accessible urban tree canopy for the benefit of all citizens through quality planting, protection, and stewardship. The Approved Street Tree List is just one part of this commitment to community leadership in planning, planting, and stewardship of the urban forest. Use of the Approved Street Tree List will encourage diversity, prevent infrastructure conflicts, and maximize the environmental, economic, human health and social benefits of trees.

Species listed have been approved for planting based on the following criteria:

- Space available for planting
- Insects and disease tolerance/resistance
- Past success of the species in the urban environment
- Overall species diversity in the forest
- Climate compatibility
- Desirable aesthetic characteristics



# TREE PLANTING REQUIREMENTS

A permit is required for removal, pruning, root pruning and planting of trees within City rights-of-way and all public properties. All work must be performed by an International Society of Arboriculture Certified Arborist or Certified Tree Worker. Permit applicants must also have a current valid Commercial Tree License (SMC 10.25.010).

Permit application information and the current list of Licensed Certified Arborists are available at [SpokaneUrbanForestry.org](http://SpokaneUrbanForestry.org)

# APPLICABLE REGULATIONS, REQUIREMENTS, AND STANDARDS

SMC 10.25 – Commercial Tree Work

SMC 12.02 Article V – Urban Forestry Program

SMC 17C.200 – Landscaping and Screening

Arboricultural Manual: Specifications and Standards of Practice for the City of Spokane

Tree and Shrub Planting Details V-101 & 102 (City of Spokane Engineering Department)

*Contact the Urban Forester for consideration of genus, species, variety, or cultivar substitutions and other variance requests.*



# A HEALTHY URBAN FOREST

According to recent tree inventory data, *Acer* (maple) species are over-represented in the City of Spokane, making up 25% of the City's street and park tree population. *Pinus* (pine) species make up another 16%. By comparison, the next most abundant trees in the inventory are *Prunus* (plum) at 8%, *Ulmus* (elm), *Picea* (spruce), and *Robinia* (locust) species, each at 4%. The high proportion of maples creates a significant risk of loss due to insects or disease that may catastrophically affect the population, significantly reducing the city's overall tree canopy.

In order to prevent a possible devastating canopy loss, Urban Forestry encourages planting a diversity of trees species. The International Society of Arboriculture (ISA) recommends an urban forest have no more than 20% in any one genus and no more than 10% in any single species. Current research is promoting an even more conservative limit of 10% in any single genus. By planting underrepresented species, Spokane Urban Forestry is taking an important step toward creating a healthier and more resilient urban forest.

# URBAN FOREST STATISTICS

Total Count of Park and Street Trees= 89,619

Genus	Count	Percent of Canopy
<i>Acer</i>	22,760	25%
<i>Pinus</i>	14,583	16%
<i>Prunus</i>	6,681	8%
<i>Ulmus</i>	3,794	4%
<i>Picea</i>	3,587	4%
<i>Robinia</i>	3,509	4%
<i>Crataegus</i>	2,222	3%
<i>Tilia</i>	2,217	3%
<i>Pseudotsuga</i>	2,145	2%
<i>Pyrus</i>	2,077	2%



# ACKNOWLEDGEMENTS

Revision of the Approved Street Tree List was a collaborative process involving City staff, local landscape architects, urban forestry citizen advisory committee members, nursery professionals, arboriculture and horticulture experts.

CLASS I STREET TREES  
For use Under Power Lines

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS										
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE (USDA)	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
Acer glabrum Rocky Mountain Maple	25'	10-20'	C	4	10	FS/PS	M, A	X	X		X			X		X	General: Good understory tree; heat and drought tolerant. Fall Color: Yellow. Flower: Insignificant. Pests/Problems: None serious.	
Acer griseum Paperbark Maple	20-30'	15-25'	O, R	5	8	FS/PS	M, A	X				X			X		General: Known for cinnamon red and brown exfoliating bark. Fall Color: Intense red. Flower: Small and inconspicuous turning into winged fruit (samara). Pests and Problems: None serious. Location: West side of Perennial Garden at Manito Park.	
Amelanchier laevis Allegheny Serviceberry	15-25'	15-25'	R	4	8	FS/PS	M	X	X		X	X	X	X		X	General: Bronzy purple foliage; edible fruit. Use single stem for most locations. Fall Color: Red-orange. Flower: white, fragrant flowers. Pests and Problems: leaf diseases, cankers, twig blight.	
Amelanchier x grandiflora Apple Serviceberry	15-25	15-25'	R	4	9	FS/PS	M	X			X	X	X	X		X	General: Bird friendly. Many cultivars. Use single stem for most locations. Fall Color: Yellow to deep rusty red. Flower: Small white flowers in spring, edible berries. Pests and Problems: None serious; root suckers. Location: 35th Ave & Ray, planted 2014.	
Carpinus caroliniana American hornbeam	20-30'	15-25'	R, C	3	9	FS/PS	A	X						X		X	General: Understory tree, bronze-tipped new growth. Fall Color: red-orange. Flower: Pendulous bracts resembling cascading leaf clusters. Pests and Problems: Twig blight and leaf spot. Location: Finch Arboretum Hornbeam Collection.	
Chionanthus retusus Fringe Tree	15-20'	10-20'	S, R	5	9	FS/PS	M, AC	X			X	X	X		X		General: Good urban tree. Fall Color: Yellow. Flower: Profuse fragrant white blooms in spring. Pests and Problems: None serious. Some susceptibility to scales and borers.	
Cornus alternifolia Pagoda Dogwood	15-25'	20-30'	S	3	7	FS/PS	M, AC	X					X	X			General: Horizontal branching, blue-black berry clusters. Fall Color: A mix of yellow with reddish purple tints. Flower: Large flat-topped clusters of white fragrant flowers. Pests and Problems: Twig blight and canker. Location: Finch Arboretum Dogwood Collection.	

CROWN FORM

C - COLUMNAR

R - ROUND

O - OVAL

V - VASE

P - PYRAMIDAL

S - SPREADING

I - IRREGULAR

LIGHT CONDITIONS

FS - FULL SUN

PS - PART SHADE

SH - SHADE

SOIL CONDITIONS

M - MOIST

D - DRY

V - VERY MOIST

A - ADAPTABLE

AC - SLIGHTLY ACIDIC

AL - SLIGHTLY ALKALINE

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CLASS I STREET TREES  
For use Under Power Lines

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS										
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
<i>Cornus florida</i> Flowering Dogwood	15-40'	15-40'	R	5	9	FS/PS	M, AC	X				X	X				General: Popular small flowering ornamental tree. Many cultivars. Fall Color: Red. Flower: Showy bracts can be white, pink or red depending upon variety. Pests/Problems: Potential pests when stressed. Not pollution tolerant. Location: Coeur d'Alene Park near gazebo.	<u>CROWN FORM</u> C - COLUMNAR R - ROUND O - OVAL V - VASE P - PYRAMIDAL S - SPREADING I - IRREGULAR  <u>LIGHT CONDITIONS</u> FS - FULL SUN PS - PART SHADE SH - SHADE  <u>SOIL CONDITIONS</u> M - MOIST D - DRY V - VERY MOIST A - ADAPTABLE AC - SLIGHTLY ACIDIC AL - SLIGHTLY ALKALINE
<i>Cornus kousa</i> Kousa Dogwood	15-30'	15-30'	V, R	4	8	FS/PS	M, AC	X					X	X			General: Various ornamental features. Many cultivars. Fall Color: Red or red-purple. Flower: Long lasting white showy bracts. Pests/Problems: None serious. Location: Finch Arboretum Dogwood collection.	
<i>Cornus Mas</i> Corneliancherry Dogwood	20-25'	15-20'	R	4	8	FS/PS	M, AC	X			X			X	X		General: Flossy green foliage. Use single stem in most locations. Fall Color: Mix of green and yellow with purple-red highlights. Flower: Yellow clusters of flowers on short stalks before leaves emerge. Pests/Problems: None serious. Fruit can stain sidewalks. Location: Several in Coeur d'Alene Park around the gazebo.	
<i>Crataegus crusgalli</i> var. <i>inermis</i> Thornless Cockspur Hawthorn	20-30'	20-35'	R, S	4	7	FS	M	X					X	X			General: Horizontal branching, medium texture. Fall Color: Bronze-red to red. Flower: White 2-3" clusters, limited blooming duration. Pests/Problems: Similar pests as apple trees. Virtually thornless. Location: Finch Arboretum Hawthorn Collection.	
<i>Crataegus laevigata</i> ‘Crimson Cloud’ Crimson Cloud Hawthorn	15-25'	15-18'	R	4	7	FS	M	X					X	X			General: Medium textured. Many cultivars. Fall Color: Insignificant. Flower: Single red blooms in flat topped clusters. Pests/Problems: Has thorns. Similar pests as apple trees. Location: Finch Arboretum Hawthorn Collection.	
<i>Crataegus x lavallei</i> Lavalle Hawthorn	20-25'	15-20'	R	4	7	FS	M	X					X	X			General: Medium textured. Many cultivars. Fall Color: Purplish red. Flower: White flowers, in clustered 2" corymbs. Pests/Problems: Has thorns. Similar pests as apple trees. Location: Finch Arboretum Hawthorn Collection.	
<i>Crataegus viridis</i> ‘Winter King’ Winter King Hawthorn	20-25'	20-30'	R	4	7	FS	A	X				X	X	X	X		General: Wide spreading crown; distinctive silvery bark. Fall Color: Mix of red, burgundy and yellow. Flower: White flowers and large red berries. Fruit provides winter interest. Pests/Problems: Has thorns. Similar pests as apple trees. Location: Finch Arboretum Hawthorn Collection.	

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CLASS I STREET TREES  
For use Under Power Lines

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS										
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
<i>Halesia carolina</i> Carolina Silverbell	20-30'	20-30'	C, R	4	8	FS/PS	M, AC	X				X	X			X	General: Low branched tree with ascending branches. Fall Color: Yellow-green. Flower: Pendulous, white bell-shaped flowers in clusters. Pests/Problems: None serious. B&B plants are difficult to establish. Location: Finch Arboretum.	<u>CROWN FORM</u> C - COLUMNAR R - ROUND O - OVAL V - VASE P - PYRAMIDAL S - SPREADING I - IRREGULAR  <u>LIGHT CONDITIONS</u> FS - FULL SUN PS - PART SHADE SH - SHADE  <u>SOIL CONDITIONS</u> M - MOIST D - DRY V - VERY MOIST A - ADAPTABLE AC - SLIGHTLY ACIDIC AL - SLIGHTLY ALKALINE
<i>Maackia amurensis</i> Amur Maackia	20-30'	20'	R	3	7	FS/PS	A	X					X		X	X	General: Distinctive gray-green foliage with frosted appearance. Fall Color: Insignificant. Flower: Small white pea-like flowers in upright 4-6" clusters, summer blooms. Pests/Problems: None serious. Location: South of Finch Arboretum parking lot along F Street.	
<i>Magnolia x loebneri</i> Loebner Magnolia	20-25'	20-30'	R	5	9	FS/PS	M	X			X		X				General: Hybrid magnolia, plant in protected areas to avoid wind damage. Fall Color: Yellow-brown. Flower: Star-shaped fragrant showy pure white blooms. Pests/Problems: Scale may occur otherwise no serious pests. Location: Finch Arboretum.	
<i>Magnolia stellata</i> ‘Royal Star’ Royal Star Magnolia	15-20'	10-15'	R, O	4	8	FS	M	X					X				General: Slow-growing. Protect from wind damage. Fall Color: Insignificant. Flower: Showy, fragrant, star-shaped multi-petal white flowers. Pests/Problems: None serious; occasionally scale. Location: Finch Arboretum Magnolia collection.	
<i>Malus</i> sp. Flowering Crabapple	15-25'	Var.	I	4	7	FS	M, A, AC	X	X				X		X	X	General: Variable form. Many cultivars. Fall Color: Yellow and orange. Flower: Red, pink or white and lightly scented. Pests/Problems: Fireblight, cankers, rusts, scales, borers. Location: Display of many at Finch Arboretum Crabapple Collection.	
<i>Ostrya virginiana</i> American Hophornbeam	25-30'	20-30'	R	3	9	FS/PS	M, AC	X							X	X	General: Graceful small tree with horizontal or drooping branches. Fall Color: Yellowish brown to orange, not particularly impressive. Flower: Male flowers are catkins in threes which are attractive in winter. Pests/Problems: None serious; occasionally witches broom. Location: Finch Arboretum Hornbeam collection.	
<i>Parrotia persica</i> Persian parrotia	20-30'	15-20'	C	4	8	FS/PS	M, AC	X				X			X		General: A low branched tree with free-form habit. Fall Color: Showy mix of orange, red and yellow. Flower: Unique red stamens before leaves emerge. Pests/Problems: None serious, rather pest-free. Location: Finch Arboretum near the parking lot at Woodland Center.	
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CLASS I STREET TREES  
For use Under Power Lines

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS										
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
<i>Prunus sargentii</i> ‘Pink Flair’ Pink Flair Sargent Cherry	25'	15'	C, V	4	7	FS	AC	X				X	X		X		General: Superior heat and drought tolerance. Fall Color: Orange-red. Flower: Single pink in clusters. Pests/Problems: None serious. Most pest resistant of the cherries.	<u>CROWN FORM</u> C - COLUMNAR R - ROUND O - OVAL V - VASE  P - PYRAMIDAL S - SPREADING I - IRREGULAR  <u>LIGHT CONDITIONS</u> FS - FULL SUN PS - PART SHADE SH - SHADE  <u>SOIL CONDITIONS</u> M - MOIST D - DRY V - VERY MOIST A - ADAPTABLE AC - SLIGHTLY ACIDIC AL - SLIGHTLY ALKALINE
<i>Prunus serrulata</i> ‘Snow Goose’ Snow Goose Cherry	15-20'	10-20'	V, S	5	8	FS	M	X				X	X		X		General: Bright green foliage. Strongly upright tree. Fall Color: Orange. Flower: Single white and pure flowers before leaves emerge. Pests/Problems: Brown rot, leaf spot. Most resistant of the cherries. Location: New planting at 3rd Avenue and Lincoln St.	
<i>Prunus x yedoensis</i> Yoshino Cherry	15-25'	10-20'	S, R	5	8	FS/PS	A	X					X	X	X		General: Superior flower. One of the Washington DC cherries. Glossy bark. Fall Color: Yellow with bronze. Flower: White to pail pink in clusters; fragrant; March to April. Pests/Problems: Scale, borers, leaf spot, twig cankers, mildew, blight. Location: Mission Park, SW corner near tennis courts.	
<i>Quercus gambelii</i> Gambel Oak	25'	25'	R	5	8	FS/PS	A	X				X		X			General: Dark green foliage, small round tree. Fall Color: yellow orange to orange red. Flower: Insignificant. Produces acorns. Pests/Problems: Galls and cankers.	
<i>Syringa reticulata</i> Japanese Tree Lilac or Peking Tree Lilac	15-25'	15-25'	O, R	3	7	FS	M, A	X			X		X	X	X	X	General: Dependable ornamental tree. Fall Color: Insignificant. Flower: Outstanding display of large creamy white fragrant blooms. Pests/Problems: None serious. Location: Three specimens on center island at Grove Street and Sumner Ave.	
<i>Styrax obasia</i> Fragrant Snowbell	25'	20'	R, O	5	8	FS/PS	M, AC	X					X		X		General: Bold dense foliage, upright ornamental. Fall Color: Yellow, insignificant. Flower: White with yellow stamens, pendulous clusters, fragrant. Pests/Problems: None serious. Shelter from wind.	
<i>Taxodium distichum</i> ‘Lindsey’s Skyward’ Lindsey’s Skyward Bald Cypress	20-25'	5-10'	C	5	9	FS	M, V, A, AC	X				X			X	X	General: Deciduous conifer with moderate growth rate. Ice resistant. Fall Color: Copper hue. Flower: Inconspicuous. Pests/Problems: None serious.	

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CLASS I STREET TREES  
For use Under Power Lines

PHYSICAL CHARACTERISTICS			GROWING CONDITIONS					OTHER CHARACTERISTICS										LEGEND
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	
<i>Tilia cordata</i> ‘Halka’ Summer Sprite Linden	16-20'	8-15'	P, O, R	4	7	FS	A	X									General: Flexible wood good for windy conditions. Fall Color: Yellow. Flower: White to yellow, fragrant; blooms early summer. Pests/Problems: None serious. Pollution tolerant.	
<i>Zelkova serrata</i> ‘JFS-KW1’ P.P.A.F. City Sprite™ Zelkova	24'	18'	V, O	5	8	FS/PS	M, A	X				X				X	General: Very compatible with sidewalks or vehicles, tidy, pollution tolerant. Fall Color: Yellow. Flower: Ornamentally insignificant. Pests/Problems: None serious. Location: Three young trees at Loma Vista park along Central Ave.	

CLASS II STREET TREES  
For Use in Planting Strips 5 to 8-ft Wide

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS										
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
<i>Acer campestre</i> Hedge Maple	25-35'	25-35'	R	5	8	FS/PS	M, A				X				X	X	General: Corky fissures on stems. Use single stem for most locations. Fall Color: Yellow. Flower: Small, yellow-green flowers in clusters. Pests/Problems: None serious. Location: Street tree at Hillyard Pool, corner of Market St. and Columbia Ave.	<u>CROWN FORM</u> C - COLUMNAR R - ROUND O - OVAL V - VASE
<i>Acer miyabei</i> Miyabe maple	50-55'	35-40'	C, O, R	4	8	FS/PS	M, AC									X	General: Tolerates drought. Use high branched trees. Fall Color: Pale to rich yellow. Flower: Insignificant. Pests/Problems: None serious.	P - PYRAMIDAL S - SPREADING I - IRREGULAR
<i>Carpinus betulus</i> European Hornbeam	40-60'	30-40'	P, O	4	7	FS/PS	M, A					X				X	General: Long-lived sturdy, dark green in summer. Use high branched trees. Fall Color: Yellow. Flower: Inconspicuous but interesting when viewed up close. Pests/Problems: None serious. Location: Excellent examples around the east parking lot at Liberty Park.	<u>LIGHT CONDITIONS</u> FS - FULL SUN PS - PART SHADE SH - SHADE
<i>Carpinus betulus</i> 'Frans Fontaine' Frans Fontaine hornbeam	35'	10'	C	5	7	FS/PS	M, A									X	General: , Dark green foliage. Use at narrow locations only. Fall Color: Yellow. Flower: Inconspicuous but interesting when viewed up close. Pests/Problems: None serious.	<u>SOIL CONDITIONS</u> M - MOIST D - DRY V - VERY MOIST A - ADAPTABLE AC - SLIGHTLY ACIDIC AL - SLIGHTLY ALKALINE
<i>Celtis occidentalis</i> Hackberry	45'	35'	R, S	3	9	FS/PS	M, A								X	X	General: Excellent for tough sites; branches tend to droop. Fall Color: Yellowish. Flower: Ornementally insignificant. Pests/Problems: Nipple gall on leaves is inevitable, but harmless. Location: 18-inch diameter specimen just north of water tank at Shadle Park.	
<i>Cercidiphyllum japonicum</i> Katsuratree	40-60'	30-50'	P, S, R	4	8	FS/PS	M					X			X	X	General: Dense crown, coarse winter texture. Fall Color: Display of yellow to apricot, leaves give spicy, brown sugar odor. Flower: Open before leaves, unique but not particularly showy. Pests/Problems: None serious. Location: Allee of 32 trees at Comstock Park, north end to flag pole.	
<i>Cladrastis kentukea</i> American Yellowwood	30-50'	40-55'	R	4	8	FS	M, AC, AL					X	X		X		General: Delicate branching structure. Fall Color: Yellow, golden yellow; can be outstanding with the right conditions. Flower: White, fragrant pea-like 10” to 16” long clusters. Pests/Problems: None serious; train/prune while young for good structure. Location: State Champions, SE of tennis courts, Coeur d’ Alene Park.	

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CLASS II STREET TREES  
For Use in Planting Strips 5 to 8-ft Wide

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS										
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
<i>Cornus controversa</i> Giant Dogwood	30-45'	30-45'	S	5	8	FS/PS	M, AC					X	X	X	X		General: Large leaves, dark green silvery beneath. Use high branched trees. Limited use due to width. Fall Color: Red to purple-red. Flower: White clusters of blooms up to 5” across; reddish blue-black fruit. Pests/Problems: None serious; Occasionally leaf spot, twig blight, or cankers. Location: South of Finch Arboretum parking lot along F Street.	<div>CROWN FORM</div> <div>C - COLUMNAR</div> <div>R - ROUND</div> <div>O - OVAL</div> <div>V - VASE</div> <div>P - PYRAMIDAL</div> <div>S - SPREADING</div> <div>I - IRREGULAR</div> <div>LIGHT CONDITIONS</div> <div>FS - FULL SUN</div> <div>PS - PART SHADE</div> <div>SH - SHADE</div> <div>SOIL CONDITIONS</div> <div>M - MOIST</div> <div>D - DRY</div> <div>V - VERY MOIST</div> <div>A - ADAPTABLE</div> <div>AC - SLIGHTLY ACIDIC</div> <div>AL - SLIGHTLY ALKALINE</div>
<i>Corylus colurna</i> Turkish Filbert	40-50'	20-40'	P	4	7	FS	A, AC					X		X	X		General: Heavy leaf texture; distinctive habit; edible fruit; very stately form. Fall Color: Yellow to purplish-red. Flower: Flowers inconspicuous; attractive catkins before leaves emerge. Pests/Problems: None serious. Location: Manito Park at the south end of the Ferris Perennial Garden.	
<i>Eucommia ulmoides</i> Hardy Rubber Tree	40-60'	40-60'	R, C	5	7	FS	A, AL								X	X	General: When leaves are torn, a latex substance is observed, hence the name. Fall Color: None; leaves fall green. Flower: Ornementally insignificant. Pests/Problems: None serious. Location: Exceptional specimen at the corner of Post St and 28th Ave.	
<i>Fagus sylvatica 'Fastigiata'</i> Fastigate Beech	45'	15'	C	5	7	FS/PS	M							X	X		General: Upright tree, plant in narrow locations only. Fall Color: Golden brown. Flower: Ornementally insignificant. Produces small beech nuts. Pests/Problems: None serious. Location: Courtland Park, east side.	
<i>Gingko biloba 'Princeton Sentry'</i> Princeton Sentry Ginkgo	40'	15'	C	4	8	FS	A					X					General: Narrow tree, a good fit for city streets. Fall Color: Bright yellow. Flower: Ornementally insignificant. Pests/Problems: None serious. Location: Summit Parkway west of Maple St.	
<i>Gleditsia triacanthos var. inermis</i> Thornless Honeylocust	30-70'	30-70'	R, S	4	9	FS	A									X	General: Small leaves on leaflets, provides filtered shade. Fall Color: Clear yellow, leaves typically drop early. Flower: Fragrant, small, greenish-yellow Pests/Problems: Canker, powdery mildew, rust gall and webworm. Location: Downtown Spokane has many, tolerant of harsh conditions.	
<i>Liriodendron tulipifera 'Emerald City'</i> Emerald City Tuliptree	55'	25'	O, R	4	9	FS	M, A, AC					X	X			X	General: Somewhat pyramidal in youth maturing to oval-rounded. Fall Color: Golden yellow to clear yellow; can be very showy. Flower: 2-3” tulip-shaped, green/orange scented blooms, single at branch ends. Pests/Problems: None serious; occasionally aphids. Location: Lincoln St on the east side, south of 1st Avenue.	

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CLASS II STREET TREES  
For Use in Planting Strips 5 to 8-ft Wide

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS										
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
<i>Liquidambar styraciflu</i> Sweetgum	30-60'	30-50'	C, P, O, R	5	9	FS	A					X					General: Nice shade tree; star-shaped leaves. Many cultivars. Fall Color: Showy; orange, red, burgundy and purplish. Flower: Not showy, fruit are 1-1.5” spiny balls. Pests/Problems: Transplant B&B due to root system. Location: Finch Arboretum near the Woodland Center.	<u>CROWN FORM</u> C - COLUMNAR R - ROUND O - OVAL V - VASE  P - PYRAMIDAL S - SPREADING I - IRREGULAR  <u>LIGHT CONDITIONS</u> FS - FULL SUN PS - PART SHADE SH - SHADE  <u>SOIL CONDITIONS</u> M - MOIST D - DRY V - VERY MOIST A - ADAPTABLE AC - SLIGHTLY ACIDIC AL - SLIGHTLY ALKALINE
<i>Magnolia acuminata</i> Cucumber Magnolia	20-30'	15-35'	C, P	3		FS/PS	M							X			General: Cucumber-like seed cones. Plant in protected areas. Fall Color: Gold. Flower: Greenish-yellow, tulip like, slightly fragrant. Pests/Problems: None serious. Intolerant of soil issues and pollution.	
<i>Magnolia</i> x 'Galaxy' Galaxy Magnolia	20-30'	10-15'	P	5	9	FS/PS	AC						X				General: Plant in protected areas to avoid wind damage. Fall Color: Coppery-bronze. Flower: Rose pink to reddish-purple; Late April to June. Pests/Problems: None serious. Protect from wind damage. Location: Finch Arboretum.	
<i>Magnolia virginiana</i> 'Jim Wilson' Moonglow Magnolia	15-35'	10-15'	C, P, I	5	10	FS/PS	M, V, AC				X		X			X	General: Tolerates wet, boggy soils. Protect from wind damage. Fall Color: Coppery-bronze. Flower: Creamy white, fragrant; Late spring into summer. Pests/Problems: None serious. Susceptible to chlorosis in alkaline soil.	
<i>Nyssa sylvatica</i> Tupelo or Black Gum	30-50'	20-30'	P, I, R	5	9	FS/PS	M, AC					X			X	X	General: Many cultivars. Fall Color: Unrivalled florescent orange to red or purple color. Flower: Not ornamentally significant. Pests and Problems: Certain cankers and leaf spots can be problematic. Location: Finch Arboretum has several good specimens.	
<i>Phellodendron amurense</i> Amur Cork Tree	30-45'	30-60'	R, S	3	7	FS	A, AC, AL								X		General: Wider than tall; often flat-topped with maturity; picturesque branching. Fall Color: Yellow and short-lived, not especially showy. Flower: Small and greenish yellow; not ornamentally significant; Pests/Problems: None serious. Location: Riverfront Park northeast of carrousel in raised bed.	
<i>Quercus acutissima</i> Sawtooth Oak	40-60'	45'	P, R	5	9	FS	A, AC							X		X	General: Dense, low wide-spreading branches. Lustrous green summer foliage. Fall Color: Brownish yellow. Flower: Male flowers are pendulous yellow-green catkins. Produces acorns. Pests/Problems: None serious. Location: Finch Arboretum Oak collection.	

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CLASS II STREET TREES  
For Use in Planting Strips 5 to 8-ft Wide

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS										
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
<i>Quercus Frainetto 'Schmidt'</i> Forest Green Oak	50'	30'	O	5	8	FS/PS	A							X		X	General: Deep green very glossy leaves with rounded lobes. Fall Color: Yellowish-brown. Flower: Male flowers are yellow-green catkins. Produces acorns. Pests/Problems: None serious. Location: Manito Park at 17th Avenue and Grand Blvd.	<u>CROWN FORM</u> C - COLUMNAR R - ROUND O - OVAL V - VASE  P - PYRAMIDAL S - SPREADING I - IRREGULAR  <u>LIGHT CONDITIONS</u> FS - FULL SUN PS - PART SHADE SH - SHADE  <u>SOIL CONDITIONS</u> M - MOIST D - DRY V - VERY MOIST A - ADAPTABLE AC - SLIGHTLY ACIDIC AL - SLIGHTLY ALKALINE
<i>Quercus macrocarpa 'JFS-KW3'</i> Urban Pinnacle Oak	50'	25'	C	3	8	FS/PS	A							X		X	General: Narrow upright tree. Dark glossy green leaves. Fall Color: Yellow. Flower: Male flowers are yellow-green catkins. Produces small acorns. Pests/Problems: None serious. Location: South side of Post Street across from Cannon Hill Park.	
<i>Quercus muehlenbergii</i> Chinkapin Oak	40-45'	45'	R	5	7	FS/PS	AL					X		X		X	General: Stately with age; distinctive gray-brown rough scaly bark at maturity. Fall Color: Yellow to orange- brown; very showy; color is long lasting. Flower: Ornementally insignificant. Pests/Problems: None serious. Location: Finch Arboretum and Comstock Park.	
<i>Quercus robur x bicolor 'Long'</i> Regal Prince Oak	45'	18'	C	4	8	FS	M, A							X		X	General: Glossy bright green foliage, upright narrow tree. Fall Color: Yellow. Flower: Male flowers are pendulous yellow-green catkins. Produces acorns. Pests/Problems: None serious.	
<i>Sorbus alnifolia</i> Korean Mountain Ash	40-50'	20-30'	P, I, O	4	7	FS/PS	A						X	X			General: Minimal red fruit clusters; simple leaf rather than compound. Fall Color: Yellow to golden brown. Flower: Perfect white, alternate sequence; heavy one year, lighter the next. Pests/Problems: Least susceptible to borer injury of the genus. Location: South of Finch Arboretum parking lot along F Street.	
<i>Styphnolobium japonica</i> Japanese Pagoda Tree	40-50'	35-40'	R	5	8	FS/PS	M						X		X		General: Casts a relatively light shade. Fall Color: None; Leaves drop green or green-yellow. Flower: Pale yellow to creamy white, fragrant; pea-like, clusters. Pests/Problems: Twig kill in severe winters, canker on twigs. Location: A 22” diameter specimen at the SE corner of Manito Blvd and Division.	
<i>Tilia americana</i> American Linden	35-50'	25-30'	P	3	8	FS/PS	M, A							X			General: Dense foliage, large leaves, symmetrical shape. Fall Color: yellow. Flower: Small, yellow/cream white, fragrant, attracts bees; late June to early July. Pests/Problems: Mites and aphids can be problematic.	

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**CLASS II STREET TREES**  
 For Use in Planting Strips 5 to 8-ft Wide

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS										
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
<i>Tilia cordata</i> Littleleaf Linden	50-60'	30-60'	P, O, R	3	7	FS/PS	M, A							X			General: Excellent city and street tree. Fall Color: Yellow or yellow-green. Flower: Small, yellow/cream white, fragrant, attracts bees; late June, early July. Pests/Problems: Mites and aphids can be problematic.	<u>CROWN FORM</u> C - COLUMNAR R - ROUND O - OVAL V - VASE
<i>Tilia tomentosa 'Sterling'</i> Sterling Linden	45'	35'	P, O	4	7	FS/PS	M, A							X			General: A beautiful shade tree. Leaves have silver-gray undersurface. Fall Color: Yellow. Flower: Small, yellow/cream white, fragrant, attracts bees; late June, early July. Pests/Problems: Mites and aphids can be problematic. Location: Indiana Avenue and Dakota St.	P - PYRAMIDAL S - SPREADING I - IRREGULAR
<i>Ulmus x 'Frontier'</i> Frontier Elm	40'	30'	P, V	4	9	FS/PS	M, A					X				X	General: Deciduous tree with a broad habit and pendulous branches. Fall Color: Red-purple-burgundy. Flower: Ornamentally insignificant. Pests/Problems: Elm leaf beetle and Japanese beetle. Location: 530 W Main Avenue, downtown.	<u>LIGHT CONDITIONS</u> FS - FULL SUN PS - PART SHADE SH - SHADE
<i>Ulmus propinqua 'JFS-Bieberich'</i> Emerald Sunshine Elm	40'	25'	V	5	9	FS	A									X	General: Thick deep green leaves. Fall Color: Yellow. Flower: Ornamentally insignificant. Pests/Problems: Tolerant to elm leaf beetle, DED and phloem necrosis.	<u>SOIL CONDITIONS</u> M - MOIST D - DRY V - VERY MOIST A - ADAPTABLE AC - SLIGHTLY ACIDIC AL - SLIGHTLY ALKALINE
<i>Ulmus wilsoniana 'Prospector'</i> Prospector Elm	40'	30'	V	4b	9	FS/PS	A, AC, AL									X	General: Dense vigorous grower with large green leaves. Fall Color: Yellow. Flower: Ornamentally insignificant; blooms in spring. Pests/Problems: Good resistance to Dutch elm disease and elm leaf beetle.	
<i>Zelkova serrata</i> Japanese Zelkova	40'	30'	V	5	8	FS	M					X			X	X	General: Beautiful bark and structure. Fall Color: Orange, yellow, red. Flower: Ornamentally insignificant. Pests/Problems: None serious. Resistant to Dutch elm disease. Location: Webster Park	
<i>Zelkova serrata 'Musashino'</i> Musashino Columnar Zelkova	45'	15'	C	5	8	FS	M					X			X	X	General: Very upright narrow tree. Plant only areas where space is limited. Fall Color: Orange, yellow, red. Flower: Ornamentally insignificant. Pests/Problems: None serious. Resistant to Dutch elm disease.	

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CLASS III STREET TREES  
For Use in Planting Strips Over 8-ft Wide

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS										
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
<i>Aesculus hippocastanum</i> 'Baumannii' Seedless Boumann Double Horsechestnut	50-80'	35-60'	O	3	8	FS/PS	M						X		X		General: Taproot tree, difficult to transplant once established. Fall Color: Undistinguished yellows and browns. Flower: Panicles of showy double white flowers with red and yellow markings. Pests/Problems: None serious. Location: Parking lot at Moore-Turner Heritage Gardens, Edwidge Woldson Park.	<u>CROWN FORM</u> C - COLUMNAR R - ROUND O - OVAL V - VASE P - PYRAMIDAL S - SPREADING I - IRREGULAR
<i>Acer saccharum</i> Sugar Maple	50-70'	30-40'	R	3	8	FS	AC					X					General: Usually quite dense in foliage. Fall Color: Excellent yellows, oranges and reds. Flower: Small yellow-green pendulous clusters before leaves, produces samaras. Pests/Problems: Choose heat and pollution tolerant cultivars. Location: Corbin Park and surrounding neighborhood.	<u>LIGHT CONDITIONS</u> FS - FULL SUN PS - PART SHADE SH - SHADE
<i>Catalpa speciosa</i> Northern Catalpa	40-60'	20-40'	I	4	8	FS/PS	M, A						X		X	X	General: Medium to large tree. Fall Color: Yellow-green but often insignificant. Flower: 2” white tubular bell-shaped, long wavy panicles and spotted throat. Pests/Problems: Leaf spots, twig blight and fruit litter may be minor issues. Location: Corner of Hemlock and 2nd Ave in Browne’s Addition.	<u>SOIL CONDITIONS</u> M - MOIST D - DRY V - VERY MOIST A - ADAPTABLE AC - SLIGHTLY ACIDIC AL - SLIGHTLY ALKALINE
<i>Catalpa x erubescens</i> 'Purpurea' Purple Catalpa	40-45'	40'	R, S	5	8	FS/PS	M, A						X		X	X	General: Leaves emerge dark chocolaty-purple fading to dark green. Fall Color: Yellow-green to brown. Flower: White tinted with lavender; bell shaped. Summer bloom. Pests/Problems: Shelter from strong winds that may shred leaves.	
<i>Celtis 'Magnifica'</i> Magnifica Hackberry	50'	40'	O, V	2	9	FS	M, A					X			X	X	General: Cultivars available with different forms and textures Fall Color: Vibrant yellow. Flower: Insignificant. Drupes may temporarily stain sidewalks. Pests/Problems: Nipple gall can be unattractive but harmless. Location: Franklin Park	
<i>Fagus sylvatica</i> European Beech	50-100'	40-50'	O, R	4	7	FS/PS	M					X		X		X	General: Tends to branch close to the ground. Fall Color: Reddish bronze; very attractive; leaves may persist through winter. Flower: Ornementally insignificant. Pests/Problems: None serious. Location: Finch Arboretum, many and various cultivars/varieties.	
<i>Ginkgo biloba</i> Maidenhair Tree	50-80'	30-40'	C, P, I	3	8	FS	M, V, A					X					General: Conical form when young; spreading lateral branches with age. Fall Color: Superior bright yellow; leaves drop quickly especially following a freeze. Flower: Ornementally insignificant. Pests/Problems: None serious. Location: Grove at Finch Arboretum.	

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CLASS III STREET TREES  
For Use in Planting Strips Over 8-ft Wide

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS										
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
<i>Gymnocladus dioicus</i> Kentucky Coffeetree	60-75'	40-50'	I	4	8	FS	M, A						X		X	X	General: Unique and picturesque; rugged looking in winter. Fall Color: Inconsistent but in the right conditions, a good yellow. Flower: Fragrant; not highly ornamental but interesting; dark reddish brown pod. Pests/Problems: None serious; potential litter from fruit. Location: Beautiful mature tree at Esmeralda Golf Course, hole 9.	<u>CROWN FORM</u> C - COLUMNAR R - ROUND O - OVAL V - VASE
<i>Juglans sp.</i> Walnut (Butternut, Black and English)	40-45'	50-75'	S	3	7	FS	M, A							X	X	X	General: Dark brown/gray bark. Limited use street side due to fruit. Fall Color: Yellow. Flower: Ornamentally insignificant; fruit is an edible nut. Pests/Problems: Needs proper training for stucture; thousand canker. Location: Hays Park has several black and english walnuts as well as butternut.	P - PYRAMIDAL S - SPREADING I - IRREGULAR
<i>Liriodendron tulipifera</i> Tuliptree	70-120'	35-80'	R	4	9	FS	M, A, AC					X	X			X	General: Somewhat pyramidal in youth maturing to oval-rounded. Fall Color: Golden yellow to clear yellow; can be very showy. Flower: 2-3” tulip-shaped, green/orange scented blooms, single at branch ends. Pests/Problems: None serious; occasionally aphids. Location: 2nd largest in State, street tree on the 800 block of East LaCrosse.	<u>LIGHT CONDITIONS</u> FS - FULL SUN PS - PART SHADE SH - SHADE
<i>Magnolia acuminata</i> Cucumbertree Magnolia	50-80'	40-80'	P, O	3	8	FS/PS	M, A					X	X			X	General: Wide-spreading branches emit spicy odor when bruised. Fall Color: Yellow to gold. Flower: Greenish white, fragrant blooms, hidden by foliage; showy fruit. Pests/Problems: None serious. Location: Coeur d'Alene Park near the gazebo and NW of Manito Greenhouse.	<u>SOIL CONDITIONS</u> M - MOIST D - DRY V - VERY MOIST A - ADAPTABLE AC - SLIGHTLY ACIDIC AL - SLIGHTLY ALKALINE
<i>Metasequoia glyptostroboides</i> Dawn Redwood	70-100'	25'	P	4	8	FS	M, A, AC					X			X	X	General: Pyramidal, uniform conical; fine texture, airy in leaf. Fall Color: Unique pinkish tan to reddish bronze needles. Flower: Ornamentally insignificant; produces elongated or rounded cones. Pests/Problems: Pest resistant overall; large size must be accommodated. Location: Two specimens at Finch Arboretum from 1900’s China seed stock.	
<i>Platanus x acerifolia</i> London Planetree	70-100'	65-80'	R	4		FS/PS	M, V								X	X	General: Develops to large, open, wide-spreading form with massive branches. Fall Color: Yellow-brown. Flower: Ornamentally insignificant. Pests/Problems: Anthracnose can be a problem. Location: Riverfront Park along Spokane Falls Blvd.	
<i>Pinus ponderosa</i> Ponderosa Pine	60-120'	25-40'	P, I	3	7	FS	M, AC		X	X				X	X		General: Good windbreaker, highway buffer, mass plantings. Fall Color: Inner needles turn brown, ornamentally insignificant. Flower: Ornamentally insignificant; showy 4” long oval, reddish cones. Pests/Problems: Bark beetle, canker, western rust gall rust, mistletoe. Location: Native conifer, ubiquitous. Audubon, Comstock, Coeur d'Alene parks.	

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CLASS III STREET TREES  
For Use in Planting Strips Over 8-ft Wide

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS											
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS		FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
<i>Quercus alba</i> White Oak	50-80'	50-80'	P, R	3	9	FS	AC						X		X		X	General: Wide-spreading form at maturity, irregular branches. Fall Color: Purple-red; color develops late and is long lasting. Flower: Male flowers pendulous yellow-green catkins; produces acorns. Pests/Problems: Difficult to transplant. Location: Cannon Hill Park, several large specimens, NE of the restroom.	<u>CROWN FORM</u> C - COLUMNAR R - ROUND O - OVAL V - VASE P - PYRAMIDAL S - SPREADING I - IRREGULAR  <u>LIGHT CONDITIONS</u> FS - FULL SUN PS - PART SHADE SH - SHADE  <u>SOIL CONDITIONS</u> M - MOIST D - DRY V - VERY MOIST A - ADAPTABLE AC - SLIGHTLY ACIDIC AL - SLIGHTLY ALKALINE
<i>Quercus bicolor</i> Swamp White Oak	50-60'	50-60'	P, R	4	8	FS	AC						X		X		X	General: One of the most handsome of oak. Fall Color: Copper to red. Flower: Monoecious; male flowers are pendulous catkins; produces acorns. Pests/Problems: None serious. Location: Street tree exhibit at Finch Arboretum.	
<i>Quercus coccinea</i> Scarlet Oak	50-70'	40-50'	R	4	9	FS	AC						X		X		X	General: Long-lived, durable, relatively low maintenance. Fall Color: Scarlet red. Flower: Yellowish-green; April to May. Pests/Problems: None serious. Location: Finch Arboretum Oak collection.	
<i>Quercus imbricaria</i> Shingle Oak	50-60'	50-60'	P, R	5	8	FS	A, AC						X		X		X	General: Glossy dark green leaves, brownish gray bark with ridges with age. Fall Color: Yellow-brown to russet red; leaves persist into winter. Flower: Male flowers are pendulous catkins, produces small acorns. Pests/Problems: Possible leaf eaters, gall cankers; generally durable. Location: Underhill Park north of baseball diamond.	
<i>Quercus macrocarpa</i> Bur Oak / Mossycup Oak	70-80'	70-90'	I	3	8	FS	A								X		X	General: Developes massive trunk and broad crown, stout branches. Fall Color: Yellowish-brown. Flower: Ornamentally Insignificant; brown catkins; produces acorns. Pests/Problems: None serious. Location: Finch Arboretum has a large 30”+ diameter tree.	
<i>Quercus robur</i> English Oak	75-100'	10-60'	C, R	5	8	FS/PS	A								X		X	General: Short trunk; large shade tree. Fall Color: Leaves remain green late into autumn. Flower: Male flowers are yellow-green catkins; produces small acorns. Pests/Problems: Mildew may be an issue but relatively uncommon here. Location: Many along east perimeter of Chief Garry Park.	
<i>Quercus rubra</i> Red Oak	60-75'	60-75'	R	4	8	FS	AC						X		X		X	General: Rounded in youth; with age often rounded and symmetrical. Fall Color: Mixture of russet-red, yellow and tan; colors late. Flower: Male flowers are yellow-green catkins; produces acorns. Pests/Problems: None serious. Location: Notable large examples at Hays, Cannon Hill and Manito Parks.	

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**CLASS III STREET TREES**  
 For Use in Planting Strips Over 8-ft Wide

	PHYSICAL CHARACTERISTICS			GROWING CONDITIONS				OTHER CHARACTERISTICS										
SCIENTIFIC NAME COMMON NAME	HEIGHT	SPREAD	CROWN FORM	HARDINESS ZONE	HEAT ZONE	LIGHT CONDITIONS	SOIL CONDITIONS	FOR USE UNDER POWERLINES	NATIVE	EVERGREEN	MULTI-STEM	GOOD FALL COLOR	SHOWY FLOWERS	ATTRACTS WILDLIFE	INTERESTING BARK	SUITABLE IN STORMWATER AREAS	NOTES	LEGEND
<i>Quercus shumardii</i> Shumard Oak	40-60'	40'	O, R	5	9	FS	A					X		X		X	General: Strong form, usually with a central leader. Fall Color: Orange to red, showy. Flower: Male flowers are yellow-green catkins; produces acorns. Pests/Problems: Galls, iron chlorosis, avoid this tree where pH is too high.	<u>CROWN FORM</u> C - COLUMNAR R - ROUND O - OVAL V - VASE
<i>Sequoiadendron giganteum</i> Giant Sequoia	60-100'	20-30'	P, S	6	8	FS/PS	M			X					X	X	General: Very long lived, scale-like needles. Dense. Fall Color: Evergreen, interior needles turn rust-brown. Flower: Ornamentally insignificant; cones are 1.5-3” long and reddish brown. Pests/Problems: None serious. Location: A 20-inch diameter street tree can be seen at 2411 E Gerard Place.	P - PYRAMIDAL S - SPREADING I - IRREGULAR
<i>Taxodium distichum</i> Bald Cypress	50-60'	20-30'	P, C, S, I	4	9	FS	M, AC									X	General: Buttressed trunk base; reddish brown bark, vertically fibrous and fissure. Fall Color: This deciduous conifer turns a bronze-yellow to a rusty orange-brown. Flower: Male cones 4-5” narrow drooping, female oval, purple -1/4” long. Pests/Problems: Relatively pest-free, some pests can attack if weakened. Location: Three on the south edge of Manito pond.	<u>LIGHT CONDITIONS</u> FS - FULL SUN PS - PART SHADE SH - SHADE
<i>Tilia americana</i> American Linden	50-80'	30-40'	P, R	3	8	FS/PS	M							X			General: Tall stately tree. Fall Color: Green or yellowish. Flower: Small, creamy white, fragrant, attracts bees; late June to early July. Pests/Problems: Mites and aphids can be problematic. Location: South end of Audubon Park.	<u>SOIL CONDITIONS</u> M - MOIST D - DRY V - VERY MOIST A - ADAPTABLE AC - SLIGHTLY ACIDIC AL - SLIGHTLY ALKALINE
<i>Tilia tomentosa</i> Silver Linden	45-65'	20-50'	P, O	4	8	FS/PS	M							X			General: A beautiful shade tree. Fall Color: Yellow or yellow-green. Flower: Small, yellow/cream white, fragrant, attracts bees; late June, early July. Pests/Problems: Mites and aphids can be problematic. Location: Comstock Park, west side.	
<i>Ulmus parvifolia</i> Lacebark Elm	40-50'	25-50'	V, R	4	9	FS	M, A					X			X		General: Rather graceful tree; reminiscent of plane tree. Fall Color: Yellow to reddish purple. Flower: Ornamentally insignificant; bloom occurs in spring. Pests/Problems: Extremely vigorous and disease resistant. Location: Finch Arboretum and Manito Park.	
<i>Zelkova serrata</i> Japanese Zelkova	40-45'	20-40'	C, V, R	5	8	FS	M					X			X	X	General: Beautiful bark and structure. Fall Color: Yellow, gold, orange, bronze, red and purple. Flower: Ornamentally insignificant. Pests/Problems: Resistant to Dutch elm disease. Location: Seven heritage trees at Webster Park.	

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