

CITY OF KIRKLAND

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**DEPARTMENT OF PUBLIC WORKS
PRE-APPROVED PLANS POLICY**

**Policy R-10: STREET TREE SELECTION LIST, AND
PLANTING AND PRUNING PROCEDURES**

Attached is the City of Kirkland's street tree selection list and planting and pruning procedures. This policy shall be adhered to when planting and pruning street trees in the public right-of-way.



STREET TREE SELECTION LIST, AND PLANTING & PRUNING PROCEDURES

PLANT APPLICATION & PLANTING PROCEDURES:

The City of Kirkland requires the planting and maintenance of trees along public streets. An adjacent property owner or tenant may plant a tree in a street-planting strip or near the road subject to City review and approval of the type of tree and the planting location. Contact the Public Works Department at 425-587-3800 for an application. After you receive approval to plant, you will be responsible for properly planting and maintaining the tree. This includes watering during the drier seasons, mulching, and pruning.

When private contractors, developers, and property owners are required to plant street trees as part of a private development or redevelopment project, standards of tree selection, location, planting, and a two-year maintenance bond are required.

Besides selecting a tree for aesthetics, please consider the following before you choose a tree and plant it:

- 1) In most cases, the planting of trees is required only when there is a curbed roadway and a minimum 4.5 foot wide planting strip.
- 2) Trees must be planted to the following standards:
 - a) A minimum of 18 inches back from the face of the curb.
 - b) 5 feet from underground utility lines if possible.
 - c) 20 feet from street lights or other existing trees.
 - d) 30 feet from most street intersections — 50 feet if it has a stop sign.
 - e) **Before planting, you MUST call 72 hours in advance for underground utility locations. This is a toll free call @ 1-800-424-5555.** They will mark your planting strip for the location of your water, electric, gas, and power lines. Knowing these locations in advance may save you time and money by preventing an accident.
 - f) Unless automatic irrigation is provided, trees must be planted between October and February.
 - g) Deciduous trees shall be a minimum 2-inch caliper when planted. Conifer trees shall be a minimum of 6 to 8 feet tall when planted.
 - h) Conifer trees are approved on a case-by-case basis. Safety and impact on maintenance workload will be primary considerations. Conifer trees are never allowed in center medians.
 - i) For newly planted street trees there should be no branching from the trunk below 5 feet from the ground or walk provided that the branches do not encroach into the sidewalk or street.
 - j) Trees that are naturally resistant to pests and produce little fruits are required.

TREE SELECTION:

This document refers to trees on public rights-of-way only.

Refer to the “Recommended Kirkland Street Tree Planting List” below for a listing of trees generally recommended for planting within the planting strip area. This list includes a variety of tree shapes and sizes that can be utilized in a variety of circumstances. Please be aware that this list concentrates on hardy and readily available tree species in the Kirkland area. Also, be aware that current industry belief is that species diversity is a major key to a healthy community/urban forest. It is now recommended that no one species account for more than 8% of the total number of trees in the forest. Therefore, certain trees may not be considered appropriate due to an existing overabundance of that species in a certain part of town. Contact the City of Kirkland Street Department at 425-587-3900 for details. (Specific tree species that are limited in certain neighborhoods include: Norway Maple, Crimson King Maple, Red Maple, Pin Oak, Sweetgum.)

Also please be aware that the list is updated every two years. Tree species may be added or removed from the list as information becomes available. This means that tree species you may see in and around Kirkland are no longer permitted to be planted. Or it may mean that certain species of trees were not readily available at the last review of the list. If there is a particular tree you are interested in that is not on the list, and is also not on the “Trees Not Recommended or Not Permitted along Kirkland Streets” below, you may provide the name of the tree and information for the City to consider with your application. The request and information will be reviewed in relation to the other demands of the right of way. You will then be informed of the decision.

When planting trees under utility lines, choose only small-scale trees that will remain small when mature.

Planting widths: The City Code requires that trees be planted 30 feet on center.

There is no need to meet a City staff representative on site. If you have specific concerns, you may note them on the planting application. Be specific and the City will address your concerns. If you have any questions you may call 425-587-3225 and talk with the permit technician. Staff will consider alternative species proposed on a case-by-case basis. If you are requesting permission to plant a tree species not on this list please provide information about the tree’s growth habit, mature size, disease and insect resistance, and any other pertinent information that supports the inclusion of the tree.

PROHIBITED STREET TREES FOR THE CITY OF KIRKLAND:

City of Kirkland Code allows the City to prohibit the following trees from being planted on public rights-of-way. The trees may not be planted closer than the listed minimum planting distance to streets or sewers:

<u>SPECIES:</u>	<u>MINIMUM PLANTING DISTANCE:</u>
<i>Populus trichocarpa</i> , Black Cottonwood	40'
<i>Populus deltoides</i> , Eastern Cottonwood	40'
<i>Populus nigra 'Italica'</i> , Lombardy Poplar	40'
<i>Ailanthus altissima</i> , Tree of Heaven	25'
<i>Salix sp.</i> , Willow trees	25'
<i>Ulmus americana</i> , American Elm	40'
Sycamore	40'
London Plane	40'
<i>Prunus sp.</i> , Cherry, stone fruits, etc (Malus, Crab Apple, WSU approved for western Washington only)	25'
<i>Alnus rubra</i> , Red Alder	25'
<i>Robinia pseudoacacia</i> , Black Locust	30'
<i>Pinus sp.</i> , any Pine trees	30'
Betula jacquemontii or nigra any Birch	Not Allowed

MAINTENANCE RESPONSIBILITY:

Trees planted or growing naturally on City of Kirkland rights-of-way are property of the City and require a permit to prune, cut, or remove. All pruning and trimming is to be done to current standards adopted by the International Society of Arboriculture or the National Arborist Association. Trees are to be pruned 8 feet above sidewalks and 14 feet above roadways. Newly planted street trees may have branching 5 feet from the ground or walk provided that the branches do not encroach into the sidewalk or street. Current City policy is that it is the responsibility of the adjacent property owner to perform maintenance on the trees. Maintenance includes watering, feeding, mulching, and protecting a street tree to help achieve its mature size and full environmental function.

If you have any questions about maintenance or about caring for street trees you can call the Streets Maintenance Division at 425-587-3900.

TREE PRUNING AND REMOVAL:

The pruning and removal of street trees and right-of-way trees is prohibited without a written permit from the City Department of Public Works obtained in advance. To request such a permit, contact Public Works at 425-587-3800 or use the website below:

<http://www.ci.kirkland.wa.us>

Under the **Most Requested** section, choose **Tree Regulations**.

ID	Common Name	Scientific Name	Cultivar	Height in ft	Width in ft	Shape	Leaf Color	Other Qualities	Considerations	Planting Yr	Target Phase P	Soil Type
5	Service Berry	<i>Amenanther x grandiflora</i>		10-25	15	upright spreading or graceful spreading	red-orange in fall	pink/white flowers	edible fruit	4	No	W,H,L
6	Allegheny Serviceberry	<i>Amenanther laevis</i>		25	15	oval/irregular	orange fall color	white flowers	edible fruit	4	No	W,H,L
7	Columnar Norway Maple	<i>Acer platanoides</i>	'Columnar'	35	15	narrow	yellow fall color	stout branches		6	No	W,H,L
8	Armstrong Maple	<i>Acer rubrum</i>	'Armstrong'	45	20	narrow	orange to orange	fast growing		6	No	W,H,L
10	Flame Maple	<i>Acer ginnala</i>		20	15	low branching	orange-red to red fall color	hardy/available		4	No	W,H,L
14	Paperbark Maple	<i>Acer glabrum</i>		25	20	upright/round	red fall color	peeling brown bark		4	No	W,H,L
15	Allegheny Serviceberry	<i>Amenanther laevis</i>		25	15	oval/irregular	orange fall color	white flowers	edible fruit	4	Yes	S,H,Ph
16	Pyramidal Hornbeam	<i>Carpinus betulus</i>		35-60	30	pyramidal	yellow in fall	heart shaped leaves		8	Yes	S,P,Sa,W,P
17	Katsura Tree	<i>Cercidiphyllum japonicum</i>		40	40	pyramidal	yellow or orange	white flowers	safety/visibility	6	No	W,M
18	Dogwood	<i>Cornus florida</i>		15-20	15-20	round/ova	bronz fall color	pink/white flowers	orange fruit	4	Yes	all types
19	Lavalle Hawthorn	<i>Crataegus x lavalle</i>		28	20	irregular/vase	bronz fall color	white flowers	all types	4	Yes	all types
20	Washington Hawthorn	<i>Crataegus phaenopynum</i>		25	28	oval/rounded	orange to scarlet	white flowers	red fruit	4	Yes	H,P
22	Dove Tree	<i>Davidia involuta</i>		35	28	broad pyramidal	copper/no change	white bracts		6	Yes	H,P
23	Dawycck Purple Beech	<i>Fagus sylvatica</i>	'Dawycck Purple'	40	12	columnar	green leaves	green/yellow in fall		6	No	L,W,H
24	Flowering Ash	<i>Fraxinus ornus</i>		30	15	pyramidal/round	green/yellow in fall	white flowers		6	Yes	P,M,H
26	Mountain Silverbell	<i>Halesia monticola</i>		40	25	conical/rounddec	dark green	creamy flowers		4	No	M,W,H,T
31	Southern Magnolia	<i>Magnolia grandiflora</i>		25-30	15-20	pyramidal	green	pink flowers	non-windy site	4	Yes	S,C,Ph
32	Floribunda Crabapple	<i>Malus floribunda</i>		18	25	irregular	green	white flowers	yellow/red fruit	4	Yes	S,C,Ph
34	Tschonoski Crabapple	<i>Malus tschonoskii</i>		28	15	narrowly ova	sliver green	white flowers	greenish fruit	4	Yes	S,C,Ph
35	Snowdrift Crabapple	<i>Malus snowdrift</i>		20	20	spreading/round, uniform	glossy green	white, yellow fruit	orange fruit	4	Yes	S,C,Ph
36	Winter gold Crabapple	<i>Malus</i>	'Winter Gold'	25	20	pyramidal/oval	green/redish purple	white flowers		4	Yes	S,C,Ph
40	Summer Glow Bird Cherry	<i>Prunus padus</i>		25	20	oval/round	purple	unusual bark		4	No	P,L,S,C
41	Chokecherries	<i>Prunus maackii</i>		30	25	rounded	orange to red in fall	pink flowers	mahogany bark	6	No	P,L,O
42	Columnar Sargent Cherry	<i>Prunus sargentii</i>	'Columnaris'	35	15	columnar/vase	orange to red in fall	pink flowers		6	No	W,P
43	Autumn flowering cherry	<i>Prunus subhirtell</i>	'Autumnalis'	25	20	spreading	yellow/bronz in fall	semi-double flowers in Nov & spring		6	No	W,P
45	Biflora Plum	<i>Prunus x biflora</i>		20	15	widely vase	red/purple to greer	double/pink flowers		4	No	W,P
46	Krauter Vesuvius Plum	<i>Prunus cerasifera</i>	'Krauter'	20	15	upright	dark purple	light pink flowers	tolerates heat	4	Yes	H,O,Ph,C,S
47	Thundercloud Plum	<i>Prunus cerasifera</i>	'Thundercloud'	20	20	upright/rounddec	dark purple	light pink flowers		4	Yes	H,O,Ph,C,S
48	Redspire Pear	<i>Pyrus calleryana</i>	'Redspire'	35	25	pyramidal	bright red in fall	white flowers		4	Yes	P,L,C,O,H
49	Skyrocket Oak	<i>Quercus robur</i>	'Fastigata'	45	15	narrow/fastigiate	yellow-brown in fall	white flowers		4	Yes	P,C,L
51	Hupsh Rowan	<i>Sorbus hupshiana</i>		50	30	round	turn red in fall	fruits: pink or white		8	No	nu
52	Japanese Snowbell	<i>Stewartia pseudocamellia</i>		30	20	pyramidal/oval	orange red to purple red in fall	fruits: pink or white		6	No	P,W,H,Sa
53	Japanese Snowbell	<i>Stewartia japonica</i>		25	25	rounded	orange red to purple red in fall	white flowers	peeling bark	6	Yes	O,S,C,P
56	Hedge Maple	<i>Acer campestre</i>		30	40	rounded	yellow in fall	bell shaped flowers with yellow stamen		4	Yes	P,H,C,M,Sa
60	Emerald Queen Maple	<i>Acer platanoides</i>	'Emerald'	50	40	oval/upright	yellowish in fall	low maintenance		6	Yes	P,S,O,H,Ph
61	Summershade Maple	<i>Acer platanoides</i>	'Summershade'	42	40	broad/round/dense	deep green/red/ds	city air tolerance		4	Yes	P,L,H,Sa,W
62	other Norway Maples	<i>Acer platanoides</i>		40-50	25-60	rounded/dense	yellow in fall	fast growing		6	No	W,Sa,Hi
63	Spaethi Maple	<i>Acer pseudoplatanus</i>	'Atropurpureum'	40	30	oval/upright	yellow in fall	yellow/green flower	shallow roots	8	No	nu
64	Sycamore Maple	<i>Acer pseudoplatanus</i>		40	30	upright/rounddec	green/velvety purple	salt tolerant		6	No	nu
65	Red Sunset Maple	<i>Acer rubrum</i>	'Frankred'	45	35	upright/ova	orange to red in fall	adapted to high pH soils and exposed site		6	Yes	O,S,C,P
66	October Glory Maple	<i>Acer rubrum</i>	'October Glory'	45	35	upright/ova	orange to red in fall	adapted to high pH soils and exposed site		6	Yes	O,S,C,P
67	Schlesingeri Maple	<i>Acer rubrum</i>	'Schlesingeri'	45	35	vase shaped	red/dsish-purple in fall	vigorous/symetrica		6	Yes	M,H,C,T,M
68	other Red Maples	<i>Acer rubrum</i>		40-60	30-60	pyramidal/oval	orange/orange-red in fall	red flowers	hoppers/borers	8	Yes	Pod,W,H,L
69	Green Mountain Maple	<i>Acer saccharum</i>	'Green'	45	35	broadly ova	reddish/yellow	red flowers		6	Yes	H,C,M,Sa
70	other Sugar Maples	<i>Acer saccharum</i>		50-70	35-45	strong spreading branches form oval to	gray/silver in summer	hardy sugar maple	insect/disease	8	Yes	P,W,Sa
71	California Buckeye	<i>Aesculus californica</i>		15-20	30	rounded	lustrous dark green	fragrant flowers		6	Yes	P,H,O,S,C
72	Red Horse Chestnut	<i>Betula jacquemontii</i>		40	30	upright/ova	yellow fall color	long rosy cluster	small variety	6	No	P,H,O,S,C
74	Jacquemontii Birch	<i>Betula jacquemontii</i>		40	35	upright/ova	yellow to gold in fall	no leaf miner	Not Allowed UNO	6	No	H,O,C,T,M
75	Paper Birch	<i>Betula nigra</i>		40	35	broadly pyramidal to rounddec	yellow in fall	no birch borer	Not Allowed UNO	6	No	H,O,C,T,M
76	Paper Birch	<i>Betula papyrifera</i>		50	35	oval	yellow in fall	catkins turn brown in novembre	Not Allowed UNO	8	No	H,O,C,T,M
77	European Hornbeam	<i>Carpinus betulus</i>		35	15-25	upright/ova	yellow in fall	smooth gray trunk		6	Yes	S,Ph
78	American Hornbeam	<i>Carpinus caroliniana</i>		25	20	oval	yellow to bright orange	tough/adaptable		4	No	S,Ph
79	Marshall Ash	<i>Fraxinus pennsylvanica</i>	'Marshall'	50	40	broadly ova	bright yellow in fall	golden twigs	Yes aphid	6	Yes	all soil types
80	Golden Desert Ash	<i>Fraxinus oxycarpa aureaefolia</i>		20	20	rounded	bright gold to greer	golden twigs	Yes aphid	4	Yes	all soil types
81	Summit Ash	<i>Fraxinus pennsylvanica</i>	'Summit'	45	25	narrowly ova	yellow in fall	strong leader	Yes aphid	6	Yes	all soil types
82	Rosehill Ash	<i>Fraxinus americana</i>	'Rosehill'	50	35	upright/ova	golden in fall	tolerant of city air	Yes aphid	6	Yes	H,O,C,T,M
84	Skyline Honeylocus	<i>Gleditsia triacanthos</i>	'Skyrole'	45	35	broadly pyramidal	yellow in fall	upright branching		6	Yes	all soil types
85	Shademaster Honeylocus	<i>Gleditsia triacanthos</i>	'Shademaster'	45	35	vase	red/orange/purple	aromatic leaves	brittle	6	Yes	all soil types
87	Sweetgum	<i>Liquidambar</i>		40-45	25	pyramidal	green	red fruit		6	No	Pod,C,T,M
89	Northern Japanese Magnolia	<i>Magnolia kobus</i>		25-30	25-30	rounded	bright green/yellow	fruitless		4	No	Pod,W,Ph
92	Kirigan Seedless Mulberry	<i>Morus alba</i>	'Machob'	35	40	rounded	yellow in fall	seedless		6	Yes	Pod,O,C,W
93	Macho Cork Tree	<i>Prunus x yedoensis</i>	'Akebono'	25	25	vase shaped	yellow in fall	delicate pink flowers		6	No	L,W,H
97	Akebono (Kwanza) Flowering	<i>Prunus x yedoensis</i>		25	25	upright	yellow in fall	delicate pink flowers		6	No	L,W,H
101	Scarlet Oak	<i>Quercus coccinea</i>		55	40	upright/ova	glossy green, red in fall	strong leader		6	Yes	Pod,O,H,W
102	Pin Oak	<i>Quercus palustris</i>		50	40	pyramidal	rusty/orange to red in fall	sturdy/various soils and climate		6	Yes	H,O,C,T,M
104	Shumard Oak	<i>Quercus shumardi</i>		50	40	broadly/rounddec	yellow-brown in fall	sturdy/various soils and climate		4	Yes	H,O,C,T,M
105	Shumard Oak Texas Red Oak	<i>Quercus shumardi</i>		50	40	pyramidal	yellowish in fall	strong uniform		6	Yes	H,O,C,T,M
108	Greenspire Linden	<i>Tilia cordata</i>		40	30	pyramidal	glossy green, yellow in fall	golden green twigs		6	No	Pod,W,H,L
111	Creman Linden	<i>Tilia euchroa</i>		40	35	broadly pyramidal to ova	rusty red in fall	clean appearance		6	No	Pod,W,H,L
113	Village Green Zelkova	<i>Zelkova serrata</i>	'Village Green'	40	38	vase shaped	yellow/green when unfolding	very showy flowers have blotch of yellow		8	No	Pod,W,H,L
114	Common Horsechestnut/European	<i>Aesculus hippocastanum</i>		50-75	40-70	upright ova	bright clear yellow in fall	yellow flowers		8	No	Pod,W,H,L
121	Tulip Tree	<i>Liriodendron tulipifera</i>		60	30	oval	red in fall	last growing foliage		8	No	S,W,H,L,Ph
123	Red Oak	<i>Quercus rubra</i>		50	45	rounded	in fall fluoresces yellow/orange	purple-pink flowers appear before leave:	sun/part shade	8	No	H,O,C,M,Sa
124	Sour Gum	<i>Nyssa sylvatica</i>		30-50	20-30	pyramidal	yellow in fall	sun/part shade		8	Yes	S,W,Ph
127	Eastern Redbud	<i>Cercis canadensis</i>		35	25	horizontal	yellow in fall	sun/part shade		6	No	W,S,Hi
129	Globe Norway Maple	<i>Acer platanoides</i>	'Globosum'	15-18	18	dense globe	yellow in fall	sun/part shade		6	No	W,S,Hi

