



Tree Area A

Most Suitable for Good to Moderate Soil Conditions - Areas dominated by soils with good drainage and no salinity issues

Tree Area B

Most Suitable for Challenging Soil Conditions - Areas dominated by clay soils with salinity and drainage issues

Tree Area C

Most Suitable for Downtown/Urban Planting Conditions - Areas requiring planting in tree grates, compacted soils and other particularly challenging urban planting/growth conditions

**City of North Salt Lake
Street Tree Areas**



TREE AREA A - STANDARD SOILS - SMALL STREET TREES

Common Name	Botanical Name	Acceptable Cultivars	Mature Height	Canopy Spread	USDA Hardiness Zone	Salt Tolerance	Drought Tolerance	Poor Drainage Tolerance	Alkalinity Tolerance	Shape	Flowers	Fruit	Fall Color	Additional Notes
Maple, Trident	Acer buergerianum	Streetwise	20-30' +	15-25'	5	high	high	low	medium	oval/round	small green-yellow in spring, insignificant	green samaras	orange-red	slow growing
Maple, Tatarian*	Acer tataricum	Hot Wings, Pattern Perfect, Rugged Charm	20-25' +	15-20'	3	medium	high	medium	high	oval to round	white clusters in spring	red samaras	yellow-red	showy seeds
Maple, Shantung	Acer truncatum	Pacific Sunset, Norweigan Sunset,	20-30' +	20-30'	4	medium	medium	medium	medium	rounded to oval	pale yellow insignificant	samaras	yellow, orange, red, purple	heat tolerant
Maple, Shantung	Acer truncatum	Ruby Sunset	20-25' +	18-20'	4	medium	medium	medium	medium	broad oval to round	pale yellow insignificant	samaras	deep red	heat tolerant, glossy green leaves
Netleaf Hackberry *	Celtis reticulata		20-25' +	20-25'	3	medium	high	medium	high	rounded spreading	green in spring, insignificant	orange-red	yellow	very tolerant to adverse growing conditions
Eastern Redbud *	Cercis canadensis		15-25' +	20-30'	4	low	high	low	high	irregular	pink/purple before leaves	small, brown pod 2-3" long	yellow	tolerant of partial shade, vibrant in the spring
Fringetree, Chinese *	Chionanthus retusus		20-25'	20-25'	5	low	low	low	high	broadly oval	large green-white clusters in spring, fragrant	1/2" - 1" blue-purple fruit	yellow	light brown exfoliating young bark
Fringetree *	Chionanthus virginicus		20-25'	20-25'	3	medium	medium	high	medium	spreading oval	green-white in spring, fragrant	1/2" - 3/4" blue-black fruit	yellow	stunning when in full bloom
Hawthorn *	Crataegus laevigata	Pauls Scarlet, Crimson Cloud	20-25' +	15-20'	4	medium	medium	medium	high	broad round	double rose red	red edible	no fall color	vibrant in the spring
Hawthorn, Winter King *	Crataegus viridis	Winter King	20-30' +	20-30'	4	medium	high	medium	high	wide vase	white in spring, showy	bright red edible	purplish red	tolerant of urban pollution
Hawthorn, Lavelle *	Crataegus x lavelleli	Lavelle	20-30' +	15-20'	4	medium	high	medium	high	dense oval	white in spring	red edible	coppery red	lustrous green leaves, persistent fruit
Hawthorn, Thornless Cockspur *	Crataegus crus-galli	Thornless Cockspur	20-30' +	20-35'	3	medium	high	medium	high	rounded spreading	white in spring	red edible	orange-scarlet	persistent fruit in to winter, thornless
Maackia	Maackia amurensis		20-30' +	15-20'	3	medium	medium	medium	high	rounded vase	white fragrant in summer	flat see pods	yellow	tolerant of urban conditions
Flowering Crabapple *	Malus sp.	Spring Snow, Snow Drift, Sargent, Zumi	15-25' +	15-25'	4	high	medium	medium	high	rounded to oval	varies with cultivar	fruit varies with cultivar	yellow	fruitless or persistent fruit only, showy in spring
Parrotia	Parrotia persica	Vanessa	20-30'	15-20'	4	medium	high	medium	high	upright vase	insignificant	insignificant	yellow-orange-red	slow growing
Flowering Cherry, Kwanzan	Prunus serrulata	Kwanzan	20-25' +	15-20'	5	medium	medium	low	medium	vase shaped	double deep pink	sterile flowers do not produce fruit	yellow	blossoms are showy in the spring
Flowering Cherry, Akebono *	Prunus x yedoensis	Akebono	20-25' +	20-25'	5	medium	medium	low	medium	spreading	double, light pink	black purple	yellow	blossoms are showy in the spring
Flowering Pear, Korean Sun	Pyrus fauriei	Korean Sun, Westwood	10-15' +	15-Oct	4	medium	medium	moderate	high	compact rounded	white in spring	yellow green small	red-purple	better branch attachment than most flowering pears
Flowering Pear, Jack	Pyrus calleryana	Jaczam Jack	15-20' +	10-12'	5	medium	high	medium	high	compact oval	white	yellow green small	yellow	ideal under utility lines
Flowering Pear, Prairie Gem	Pyrus ussuriensis	Prairie Gem, MorDak	20-25' +	20-25'	3	medium	high	medium	high	oval to rounded	white	yellow green small	yellow	hardy flowering pear cultivar
Lilac, Peking Lilac *	Syringa pekinensis	China Snow, Summer Charm	20-25' +	15-20'	3	medium	medium	low	high	rounded	creamy white fragrant dense clusters	dry capsules	yellow	attractive exfoliating, amber colored bark
Lilac, Japanese Tree Lilac *	Syringa reticulata	Ivory Silk	20-25' +	15-20'	3	low	medium	medium	high	upright oval/rounded	creamy white fragrant dense clusters	dry capsules	yellow	tolerant of urban conditions
Linden, Summer Sprite	Tilia cordata	Summer Sprite Linden	18-20' +	12-15'	3	low	medium	medium	high	dense pyramidal	tiny yellow fragrant in spring	gray nutlets with bracts	yellow	perfect for confined urban spaces
Zelkova, City Sprite *	Zelkova serrata	City Sprite	20-24' +	15-18'	5	medium	high	low	medium	compact oval to vase	insignificant	insignificant	yellow	perfect for confined urban spaces
Zelkova, Wireless *	Zelkova serrata	Wireless	20-24' +	30-35'	5	medium	high	low	medium	flat topped broad spreading	insignificant	insignificant	reddish orange	ideal under utility lines, better in 5' parkstrips

All parkstrip trees must be a single trunk form unless approved by the City.
Other tree species may be appropriate with approval from the City.

* Proven Performer

+ Trees to be planted under utility lines

References:

The Morton Arboretum <http://www.mortonarb.org/trees-plants/search-trees/search-all-trees-and-plants>

Missouri Botanical Gardens <http://www.missouribotanicalgarden.org/plantfinder/plantf>

Utah State University Cooperative Extension Tree Browser <https://treebrowser.org>

Cornell Woody Plants Database <http://woodyplants.cals.cornell.edu/home>

J. Frank Schmidt <https://www.jfschmidt.com/introductions>

TREE AREA A - STANDARD SOILS - MEDIUM STREET TREES

Common Name	Botanical Name	Acceptable Cultivars	Mature Height	Canopy Spread	USDA Hardiness Zone	Salt Tolerance	Drought Tolerance	Poor Drainage Tolerance	Alkalinity Tolerance	Shape	Flowers	Fruit	Fall Color	Additional Notes
Maple, Hedge	<i>Acer campestre</i>	Metro Gold, Queen Elizabeth	25-35'	25-35'	5	high	medium	medium	high	oval/round dense	small, green-yellow in spring, insignificant	green samaras	yellow	doesn't tend to get leaf scorch
Maple, State Street	<i>Acer miyabei</i>	State Street, Rugged Ridge	30-45'	30-35'	4	low	high	medium	high	oval to rounded	small, green-yellow in springs, insignificant	green samaras	yellow-orange	hardy, tough, pest free maple
European Alder	<i>Alnus glutinosa</i>		40-50'	20-40'	3	low	medium	high	medium	pyramidal	drooping male catkins	small woody cones	none	tolerates a wide range of soils
Hornbeam, Fastigate	<i>Carpinus betulus 'Fastigiata'</i>	Fastigiata	30-40'	20-30'	4	low	medium	medium	medium	oval vase	catkins	clusters of small nutlets in bracts	yellow-orange	smooth gray bark with fluting
Yellowwood *	<i>Cladrastis kentukea</i>	American, Perkins Pink	30-50'	30-50'	4	medium	medium	medium	high	round	large hanging fragrant white or pink flowers	flat papery pod	yellow	very showy flowers in late spring, smooth gray bark
Turkish Filbert	<i>Corylus colurna</i>		40-50'	15-35'	4	low	medium	medium	high	pyramidal	insignificant	edible nut		tolerant tree once established
Hardy Rubber Tree	<i>Eucommia ulmoides</i>	Emerald Point	35-40'	15-20'	4	medium	high	high	high	narrow oval	insignificant	winged seed	none	tolerates a wide range of soil conditions, glossy green leaves
Ginkgo *	<i>Ginkgo biloba</i>	Autumn Gold, Princeton Sentry, Magyar, Colonade	40-45'	15-30'	4	medium	high	medium	high	pyramidal	insignificant	fruitless	yellow-golden	tolerant of a wide range of soil conditions, adapts well to urban environments
Honeylocust *	<i>Gleditsia triacanthos inermis</i>	Street Keeper, Skyline, Shademaster, Northern Acclaim, Sunburst, Perfection	35-50'	20-40'	3	high	high	high	high	pyramidal to round dependent on cultivar	insignificant yet smell very sweet	reported as fruitless	golden yellow	small fine leaves give filtered shade
Goldenrain *	<i>Koelreuteria paniculata</i>		30-40'	30-40'	5	high	high	medium	high	round	very showy bright yellow flowers in upright clusters	black seed in papery capsule	yellow-orange	tough adaptable tree
Osage Orange, White Shield	<i>Maclura pomifera</i>	White Shield, Wichita	30-25'	30-35'	4	medium	high	medium	high	upright spreading	none	none	yellow	tough tolerant, thornless, fruitless
Mulberry, Fruitless	<i>Morus alba</i>	Fruitless Mulberry	30-50'	30-50'	4	high	high	high	high	wide spreading	small yellowish green	fruitless	none	tough tolerant tree
Hophornbeam	<i>Ostrya virginiana</i>	Autumn Treasure, Sun Beam	25-40'	20-30'	3	medium	medium	low	high	oval to rounded	brown-green in summer	hop-like sac	yellow	mature smooth gray bark exfoliates to reveal orange inner bark
Amur Corktree *	<i>Phellodendron amurense</i>	Macho, Eye Stopper, His Majesty	30-45'	30-60'	3	medium	high	medium	high	rounded broad spreading	non showy yellow-green	pea sized black	yellow	once established very tolerant to urban conditions
Mayday Tree	<i>Prunus padus</i>	Merlot	30-40'	18-30'	3	medium	medium	low	medium	pyramidal to round	showy white pendulous	pea sized black	yellow	showy in spring
Flowering Pear	<i>Pyrus calleryana</i>	Aristocrat, Autumn Blaze, Capital, Chanticleer, Trinity	30-40'	12-28'	5	medium	high	medium	high	upright to pyramidal	white in spring	small fruit	redish	good fall color
Littleleaf Linden	<i>Tilia cordata</i>	Greenspire	40'	35'	3	low	medium	medium	high	pyramidal	pale yellow in spring	nutlet	yellow	flowers are fragrant
Linden, Crimean	<i>Tilia x euchlora</i>		40-50'	20-30'	3	low	medium	medium	high	rounded pyramidal	fragrant creamy yellow	gray nutlets with bracts	yellow	reported to have more resistance to aphids
Elm, Emerald Flair	<i>Ulmus parvifolia</i>	Emerald Flair	40-45'	30-35'	4	medium	high	medium	high	spreading vase	insignificant	flat round samara	red-orange red	has better red fall color than most cultivars
Elm, Emerald Sunshine	<i>Ulmus propinqua</i>	Emerald Sunshine	30-35'	20-25'	5	unknown	high	unknown	unknown	vase	inconspicuous	small, flat, papery	yellow	tolerant of all urban conditions
Elm, Frontier *	<i>Ulmus. carpinifolia and U. parvifolia.</i>	Frontier	30-40'	20-30'	4	medium	high	medium	high	upright, vase	inconspicuous	small, flat, papery	burgandy-purplish	tolerant of all urban conditions

All parkstrip trees must be a single trunk form unless approved by the City.
Other tree species may be appropriate with approval from the City.

* Proven Performer

+ Trees to be planted under utility lines

References:

The Morton Arboretum <http://www.mortonarb.org/trees-plants/search-trees/search-all-trees-and-plants>

Missouri Botanical Gardens <http://www.missouribotanicalgarden.org/plantfinder/plantf>

Utah State University Cooperative Extension Tree Browser <https://treebrowser.org>

Cornell Woody Plants Database <http://woodyplants.cals.cornell.edu/home>

J. Frank Schmidt <https://www.jfschmidt.com/introductions>

TREE AREA A - STANDARD SOILS - LARGE STREET TREES

Common Name	Botanical Name	Acceptable Cultivars	Mature Height	Canopy Spread	USDA Hardiness Zone	Salt Tolerance	Drought Tolerance	Poor Drainage Tolerance	Alkalinity Tolerance	Shape	Flowers	Fruit	Fall Color	Additional Notes
Black Maple	<i>Acer nigrum</i>		60-75'	40-50'	4	medium	high	low	high	oval to rounded	green-yellow in spring, insignificant	Green samaras	yellow-orange-red	similar to sugar maple but more heat and drought tolerant
Maple, Sycamore	<i>Acer pseudoplatanus</i>		40-55'	35-55'	4	high	high	medium	high	round	small green-yellow in spring, insignificant	green samaras	yellow	Gray flaking bark
Hornbeam	<i>Carpinus betulus</i>	Emerald Avenue, Frans Fontaine	40-60'	15-40'	4	low	medium	medium	medium	narrow fastigate to broadly pyramidal	insignificant	nutlets in papery bracts	yellow	very symmetrically shaped
Catalpa *	<i>Catalpa speciosa</i>		50-70'	20-50'	4	medium	high	medium	high	irregular open	white with spots inside	long slender	yellow	beautiful when in flower
Hackberry *	<i>Celtis occidentalis</i>	Chicagoland	40-60'	40-60'	3	medium	high	medium	high	rounded spreading	insignificant	purple drupe	pale yellow	tolerates both wet and dry conditions
Honeylocust *	<i>Gleditsia triacanthos inermis</i>	Street Keeper, Skyline, Northern Acclaim	40-45'	20-35'	3	high	high	high	high	pyramidal to round	insignificant yet smell very sweet	reported as fruitless	golden yellow	small fine leaves give filtered shade
Kentucky Coffee *	<i>Gymnocladus dioicus</i>	Espresso, Prairie Titan, Stately Manor	60-80'	40-45'	3	medium	high	medium	high	irregular open	Greenish white, female are fragrant	seedless	yellow	leaves drop early in the fall
Tulip Tree	<i>Liriodendron tulipifera</i>		60-70'	30-50'	4	low	medium	medium	medium	broad conical	yellow with orange bands	dry brown oblong	golden yellow	flowers somewhat hidden by leaves
Oak, English *	<i>Quercus robur</i>		50-70'	50-70'	5	high	medium	medium	high	broad rounded	insignificant	acorn	none	tolerant of alkaline soils
Oak, Chinkapin	<i>Quercus muehlenbergii</i>	Red Autumn	40-60'	50-60'	5	low	high	medium	high	oval to rounded	insignificant	acorn	yellow brown or red	tolerant of alkaline soils
Oak, Shumard	<i>Quercus shumardii</i>		40-60'	30-40'	5	medium	high	medium	high	oval	insignificant	acorn	brownish red	does well in wet and dry soil
Japanese Pagoda Tree	<i>Sophora japonica</i>	Halka Millstone	45'	35'	4	medium	medium	medium	high	rounded to oval	white	seeds pods	green-yellow	tolerates many soil types and conditions, seed pods can be messy
Linden, Silver *	<i>Tilia tomentosa</i>	Sterling Silver, Green Mountain, Satin Shadow	50-70'	25-40'	4	medium	medium	medium	high	pyramidal	fragrant creamy yellow	gray nutlets with bracts	yellow	best heat and drought tolerant of all lindens
Elm, Commendation *	<i>Ulmus (japonica x wilsoniana Morton) x (pumila x carpinifolia)</i>	Commendation	50-70'	40-50'	4	high	high	high	high	pyramidal	insignificant	flat round samara	yellow	fast growing but not wild
Elm, Green stone *	<i>Ulmus davidiana 'JFS KW2UD'</i>	Greenstone	50-60'	40-50'	4	unknown	unknown	unknown	unknown	upright vase	insignificant	flat round samara	yellow	strong branch attachments at open angles
Elm, New Horizon *	<i>Ulmus japonica x pumila 'New Horizon'</i>	New Horizon	50-55'	30-40'	3	high	medium	med	high	upright oval	insignificant	flat round samara	yellow	proven rugged street tree
Elm, Accolade *	<i>Ulmus japonica x wilsoniana 'Morton'</i>	Accolade	50-60'	30-40'	5	medium	high	low	high	arching vase	insignificant	flat round samara	yellow	excellent DED resistance
Elm, Triumph *	<i>Ulmus wilsoniana, U. japonica, and U. pumila</i>	Triumph	50-60'	40-45'	4	medium	high	high	high	upright oval to vase	insignificant	flat round samara	yellow	very dark green glossy leaves
Zelkova *	<i>Zelkova serrata</i>	Village Green, Green Vase	40-55'	30-50'	5	medium	high	low	medium	vase	insignificant	small wingless drupe	rusty red	mature smooth gray bark exfoliates to reveal orange inner bark

All parkstrip trees must be a single trunk form unless approved by the City.
Other tree species may be appropriate with approval from the City.

* Proven Performer
+ Trees to be planted under utility lines

References:
The Morton Arboretum <http://www.mortonarb.org/trees-plants/search-trees/search-all-trees-and-plants>
Missouri Botanical Gardens <http://www.missouriherbarium.org/plantfinder/plantf>
Utah State University Cooperative Extension Tree Browser <https://treebrowser.org>
Cornell Woody Plants Database <http://woodyplants.cals.cornell.edu/home>
J. Frank Schmidt <https://www.jfschmidt.com/introductions>

TREE AREA B - CHALLENGING SOILS - SMALL STREET TREES

Common Name	Botanical Name	Acceptable Cultivars	Mature Height	Canopy Spread	USDA Hardiness Zone	Salt Tolerance	Drought Tolerance	Poor Drainage Tolerance	Alkalinity Tolerance	Shape	Flowers	Fruit	Fall Color	Additional Notes
Maple, Tatarian*	Acer tataricum	Hot Wings, Pattern Perfect, Rugged Charm	20-25' +	15-20'	3	medium	high	medium	high	oval to round	white clusters in spring	red samaras	yellow-red	showy seeds
Maple, Shantung	Acer truncatum	Pacific Sunset, Norweigan Sunset,	20-30' +	20-30'	4	medium	medium	medium	medium	rounded to oval	pale yellow insignificant	samaras	yellow, orange, red, purple	heat tolerant
Maple, Shantung	Acer truncatum	Ruby Sunset	20-25' +	18-20'	4	medium	medium	medium	medium	broad oval to round	pale yellow insignificant	samaras	deep red	heat tolerant, glossy green leaves
Netleaf Hackberry *	Celtis reticulata		20-25' +	20-25'	3	medium	high	medium	high	rounded spreading	green in spring, insignificant	orange-red	yellow	very tolerant to adverse growing conditions
Fringetree *	Chionanthus virginicus		20-25'	20-25'	5	medium	medium	high	medium	spreading oval	green-white in spring, fragrant	1/2" - 3/4" blue-black fruit	yellow	stunning when in full bloom
Hawthorn *	Crataegus laevigata	Pauls Scarlet, Crimson Cloud	20-25' +	15-20'	4	medium	medium	medium	high	broad round	double rose red	red edible	no fall color	vibrant in the spring
Hawthorn, Winter King *	Crataegus viridis	Winter King	20-30' +	20-30'	4	medium	high	medium	high	wide vase	white in spring, showy	bright red edible	purplish red	tolerant of urban pollution
Hawthorn, Lavelle *	Crataegus x lavelleli	Lavelle	20-30' +	15-20'	4	medium	high	medium	high	dense oval	white in spring	red edible	coppery red	lustrous green leaves, persistent fruit
Hawthorn, Thornless Cockspur *	Crataegus crus-galli	Thornless Cockspur	20-30' +	20-35'	4	medium	high	medium	high	rounded spreading	white in spring	red edible	orange-scarlet	persistent fruit in to winter, thornless
Maackia	Maackia amurensis		20-30' +	15-20'	3	medium	medium	medium	high	rounded vase	white fragrant in summer	flat see pods	yellow	tolerant of urban conditions
Flowering Crabapple *	Malus sp.	Spring Snow, Snow Drift, Sargent, Zumi	15-25' +	15-25'	4	high	medium	medium	high	rounded to oval	varies with cultivar	fruit varies with cultivar	yellow	fruitless or persistent fruit only, showy in spring
Parrotia	Parrotia persica	Vanessa	20-30'	15-20'	4	medium	high	medium	high	upright vase	insignificant	insignificant	yellow-orange-red	slow growing
Flowering Pear, Korean Sun	Pyrus fauriei	Korean Sun, Westwood	10-15' +	10-15'	4	medium	medium	moderate	high	compact rounded	white in spring	yellow green small	red-purple	better branch attachment than most flowering pears
Flowering Pear, Jack	Pyrus calleryana	Jaczam Jack	15-20' +	10-12'	5	medium	high	medium	high	compact oval	white	yellow green small	yellow	ideal under utility lines
Flowering Pear, Prairie Gem	Pyrus ussuriensis	Prairie Gem, MorDak	20-25' +	20-25'	3	medium	high	medium	high	oval to rounded	white	yellow green small	yellow	hardy flowering pear cultivar

All parkstrip trees must be a single trunk form unless approved by the City.

Other tree species may be appropriate with approval from the City.

* Proven Performer

+ Trees to be planted under utility lines

References:

The Morton Arboretum <http://www.mortonarb.org/trees-plants/search-trees/search-all-trees-and-plants>

Missouri Botanical Gardens <http://www.missouribotanicalgarden.org/plantfinder/plantf>

Utah State University Cooperative Extension Tree Browser <https://treebrowser.org>

Cornell Woody Plants Database <http://woodyplants.cals.cornell.edu/home>

J. Frank Schmidt <https://www.jfschmidt.com/introductions>

TREE AREA B - CHALLENGING SOILS - MEDIUM STREET TREES

Common Name	Botanical Name	Acceptable Cultivars	Mature Height	Canopy Spread	USDA Hardiness Zone	Salt Tolerance	Drought Tolerance	Poor Drainage Tolerance	Alkalinity Tolerance	Shape	Flowers	Fruit	Fall Color	Additional Notes
Maple, Hedge	<i>Acer campestre</i>	Metro Gold, Queen Elizabeth	25-35'	25-35'	5	high	medium	medium	high	oval/round dense	small, green-yellow in spring, insignificant	green samaras	yellow	doesn't tend to get leaf scorch
Yellowwood *	<i>Cladrastis kentukea</i>	American, Perkins Pink	30-50'	30-50'	4	medium	medium	medium	high	round	large hanging fragrant white or pink flowers	flat papery pod	yellow	very showy flowers in late spring, smooth gray bark
Hardy Rubber Tree	<i>Eucommia ulmoides</i>	Emerald Point	35-40'	15-20'	4	medium	high	high	high	narrow oval	insignificant	winged seed	none	tolerates a wide range of soil conditions, glossy green leaves
Ginkgo *	<i>Ginkgo biloba</i>	Autumn Gold, Princeton Sentry, Magyar, Colonade	40-45'	15-30'	4	medium	high	medium	high	pyramidal	insignificant	fruitless	yellow-golden	tolerant of a wide range of soil conditions, adapts well to urban environments
Honeylocust *	<i>Gleditsia triacanthos inermis</i>	Street Keeper, Skyline, Shademaster, Northern Acclaim, Sunburst, Perfection	35-50'	20-40'	3	high	high	high	high	pyramidal to round dependent on cultivar	insignificant yet smell very sweet	reported as fruitless	golden yellow	small fine leaves give filtered shade
Goldenrain *	<i>Koelreuteria paniculata</i>		30-40'	30-40'	5	high	high	medium	high	round	very showy bright yellow flowers in upright clusters	black seed in papery capsule	yellow-orange	tough adaptable tree
Osage Orange, White Shield	<i>Maclura pomifera</i>	White Shield, Wichita	30-25'	30-35'	4	medium	high	medium	high	upright spreading	none	none	yellow	tough tolerant, thornless, fruitless
Mulberry, Fruitless	<i>Morus alba</i>	Fruitless Mulberry	30-50'	30-50'	4	high	high	high	high	wide spreading	small yellowish green	fruitless	none	tough tolerant tree
Amur Corktree *	<i>Phellodendron amurense</i>	Macho, Eye Stopper, His Majesty	30-45'	30-60'	3	medium	high	medium	high	rounded broad spreading	non showy yellow-green	pea sized black	yellow	once established very tolerant to urban conditions
Flowering Pear	<i>Pyrus calleryana</i>	Aristocrat, Autumn Blaze, Capital, Chanticleer, Trinity	30-40'	12-28'	5	medium	high	medium	high	upright to pyramidal	white in spring	small fruit	redish	good fall color
Elm, Emerald Flair	<i>Ulmus parvifolia</i>	Emerald Flair	40-45'	30-35'	4	medium	high	medium	high	spreading vase	insignificant	flat round samara	red-orange red	has better red fall color than most cultivars
Elm, Emerald Sunshine	<i>Ulmus propinqua</i>	Emerald Sunshine	30-35'	20-25'	5	unknown	high	unknown	unknown	vase	inconspicuous	small, flat, papery	yellow	tolerant of all urban conditions
Elm, Frontier *	<i>Ulmus. carpinifolia</i> and <i>U. parvifolia.</i>	Frontier	30-40'	20-30'	4	medium	high	medium	high	upright, vase	inconspicuous	small, flat, papery	burgandy-purplish	tolerant of all urban conditions

All parkstrip trees must be a single trunk form unless approved by the City.

Other tree species may be appropriate with approval from the City.

* Proven Performer

+ Trees to be planted under utility lines

References:

The Morton Arboretum <http://www.mortonarb.org/trees-plants/search-trees/search-all-trees-and-plants>

Missouri Botanical Gardens <http://www.missouribotanicalgarden.org/plantfinder/plantf>

Utah State University Cooperative Extension Tree Browser <https://treebrowser.org>

Cornell Woody Plants Database <http://woodyplants.cals.cornell.edu/home>

J. Frank Schmidt <https://www.jfschmidt.com/introductions>

TREE AREA B - CHALLENGING SOILS - LARGE STREET TREES

Common Name	Botanical Name	Acceptable Cultivars	Mature Height	Canopy Spread	USDA Hardiness Zone	Salt Tolerance	Drought Tolerance	Poor Drainage Tolerance	Alkalinity Tolerance	Shape	Flowers	Fruit	Fall Color	Additional Notes
Maple, Sycamore	<i>Acer pseudoplatanus</i>		40-55'	35-55'	4	high	high	medium	high	round	small green-yellow in spring, insignificant	green samaras	yellow	Gray flaking bark
Catalpa *	<i>Catalpa speciosa</i>		50-70'	20-50'	4	medium	high	medium	high	irregular open	white with spots inside	long slender	yellow	beautiful when in flower
Hackberry *	<i>Celtis occidentalis</i>	Chicagoland	40-60'	40-60'	3	medium	high	medium	high	rounded spreading	insignificant	purple drupe	pale yellow	tolerates both wet and dry conditions
Honeylocust *	<i>Gleditsia triacanthos inermis</i>	Street Keeper, Skyline, Northern Acclaim	40-45'	20-35'	3	high	high	high	high	pyramidal to round	insignificant yet smell very sweet	reported as fruitless	golden yellow	small fine leaves give filtered shade
Kentucky Coffee *	<i>Gymnocladus dioicus</i>	Espresso, Prairie Titan, Stately Manor	60-80'	40-45'	3	medium	high	medium	high	irregular open	Greenish white, female are fragrant	seedless	yellow	leaves drop early in the fall
Oak, English *	<i>Quercus robur</i>		50-70'	50-70'	5	high	medium	medium	high	broad rounded	insignificant	acorn	none	tolerant of alkaline soils
Oak, Shumard	<i>Quercus shumardii</i>		40-60'	30-40'	5	medium	high	medium	high	oval	insignificant	acorn	brownish red	does well in wet and dry soil
Japanese Pagoda Tree	<i>Sophora japonica</i>	Halka Millstone	45'	35'	4	medium	medium	medium	high	rounded to oval	white	seeds pods	green-yellow	tolerates many soil sypes and conditions, seed pods can be messy
Linden, Silver *	<i>Tilia tomentosa</i>	Sterling Silver, Green Mountain, Satin Shadow	50-70'	25-40'	4	medium	medium	medium	high	pyramidal	fragrant creamy yellow	gray nutlets with bracts	yellow	best heat and drought tolerant of all lindens
Elm, Commendation *	<i>Ulmus (japonica x wilsoniana Morton) x (pumila x carpinifolia)</i>	Commendation	50-70'	40-50'	4	high	high	high	high	pyramidal	insignificant	flat round samara	yellow	fast growing but not wild
Elm, Green stone *	<i>Ulmus davidiana 'JFS KW2UD'</i>	Greenstone	50-60'	40-50'	4	unknown	unknown	unknown	unknown	upright vase	insignificant	flat round samara	yellow	strong branch attachments at open angles
Elm, New Horizon *	<i>Ulmus japonica x pumila 'New Horizon'</i>	New Horizon	50-55'	30-40'	3	high	medium	med	high	upright oval	insignificant	flat round samara	yellow	proven rugged street tree
Elm, Triumph *	<i>Ulmus wilsoniana, U. japonica, and U. pumila</i>	Triumph	50-60'	40-45'	4	medium	high	high	high	upright oval to vase	insignificant	flat round samara	yellow	very dark green glossy leaves

All parkstrip trees must be a single trunk form unless approved by the City.
Other tree species may be appropriate with approval from the City.

* Proven Performer

+ Trees to be planted under utility lines

References:

The Morton Arboretum <http://www.mortonarb.org/trees-plants/search-trees/search-all-trees-and-plants>

Missouri Botanical Gardens <http://www.missouribotanicalgarden.org/plantfinder/plantf>

Utah State University Cooperative Extension Tree Browser <https://treebrowser.org>

Cornell Woody Plants Database <http://woodyplants.cals.cornell.edu/home>

J. Frank Schmidt <https://www.jfschmidt.com/introductions>

TREE AREA C - DOWNTOWN URBAN AREAS - SMALL STREET TREES

Common Name	Botanical Name	Acceptable Cultivars	Mature Height	Canopy Spread	USDA Hardiness Zone	Salt Tolerance	Drought Tolerance	Poor Drainage Tolerance	Alkalinity Tolerance	Shape	Flowers	Fruit	Fall Color	Additional Notes
Maple, Trident	Acer buergerianum	Streetwise	20-30' *	15-25'	5	high	high	low	medium	oval/round	small green-yellow in spring, insignificant	green samaras	orange-red	slow growing
Maple, Tatarian*	Acer tataricum	Hot Wings, Pattern Perfect, Rugged Charm	20-25' *	15-20'	3	medium	high	medium	high	oval to round	white clusters in spring	red samaras	yellow-red	showy seeds
Maple, Shantung	Acer truncatum	Pacific Sunset, Norweigan Sunset,	20-30' *	20-30'	4	medium	medium	medium	medium	rounded to oval	pale yellow insignificant	samaras	yellow, orange, red, purple	heat tolerant
Maple, Shantung	Acer truncatum	Ruby Sunset	20-25' *	18-20'	4	medium	medium	medium	medium	broad oval to round	pale yellow insignificant	samaras	deep red	heat tolerant, glossy green leaves
Netleaf Hackberry *	Celtis reticulata		20-25' *	20-25'	3	medium	high	medium	high	rounded spreading	green in spring, insignificant	orange-red	yellow	very tolerant to adverse growing conditions
Eastern Redbud *	Cercis canadensis	Various	15-25' *	20-30'	4	low	high	low	high	irregular	pink/purple before leaves	small, brown pod 2-3" long	yellow	tolerant of partial shade, vibrant in the spring
Fringetree, Chinese *	Chionanthus retusus		20-25'	20-25'	5	low	low	low	high	broadly oval	large green-white clusters in spring, fragrant	1/2" - 1" blue-purple fruit	yellow	light brown exfoliating young bark
Fringetree *	Chionanthus virginicus		20-25'	20-25'	3	medium	medium	high	medium	spreading oval	green-white in spring, fragrant	1/2" - 3/4" blue-black fruit	yellow	stunning when in full bloom
Hawthorn *	Crataegus laevigata	Pauls Scarlet, Crimson Cloud	20-25' *	15-20'	4	medium	medium	medium	high	broad round	double rose red	red edible	no fall color	vibrant in the spring
Hawthorn, Winter King *	Crataegus viridis	Winter King	20-30' *	20-30'	4	medium	high	medium	high	wide vase	white in spring, showy	bright red edible	purplish red	tolerant of urban pollution
Hawthorn, Lavalley *	Crataegus x lavalleyi	Lavelle	20-30' *	15-20'	4	medium	high	medium	high	dense oval	white in spring	red edible	coppery red	lustrous green leaves, persistent fruit
Hawthorn, Thornless Cockspur *	Crataegus crus-galli	Thornless Cockspur	20-30' *	20-35'	4	medium	high	medium	high	rounded spreading	white in spring	red edible	orange-scarlet	persistent fruit in to winter, thornless
Maackia	Maackia amurensis		20-30' *	15-20'	3	medium	medium	medium	high	rounded vase	white fragrant in summer	flat see pods	yellow	tolerant of urban conditions
Flowering Crabapple *	Malus sp.	Spring Snow, Snow Drift, Sargent, Zumi	15-25' *	15-25'	4	high	medium	medium	high	rounded to oval	varies with cultivar	fruit varies with cultivar	yellow	fruitless or persistent fruit only, showy in spring
Parrotia	Parrotia persica	Vanessa	20-30'	15-20'	4	medium	high	medium	high	upright vase	insignificant	insignificant	yellow-orange-red	slow growing
Flowering Cherry, Kwanzan	Prunus serrulata	Kwanzan	20-25' *	15-20'	5	medium	medium	low	medium	vase shaped	double deep pink	sterile flowers do not produce fruit	yellow	blossoms are showy in the spring
Flowering Cherry, Akebono *	Prunus x yedoensis	Akebono	20-25' *	20-25'	5	medium	medium	low	medium	spreading	double, light pink	black purple	yellow	blossoms are showy in the spring
Flowering Pear, Korean Sun	Pyrus fauriei	Korean Sun, Westwood	10-15' *	15-Oct	4	medium	medium	moderate	high	compact rounded	white in spring	yellow green small	red-purple	better branch attachment than most flowering pears
Flowering Pear, Jack	Pyrus calleryana	Jaczam Jack	15-20' *	10-12'	5	medium	high	medium	high	compact oval	white	yellow green small	yellow	ideal under utility lines
Flowering Pear, Prairie Gem	Pyrus ussuriensis	Prairie Gem, MorDak	20-25' *	20-25'	3	medium	high	medium	high	oval to rounded	white	yellow green small	yellow	hardy flowering pear cultivar
Lilac, Peking Lilac *	Syringa pekinensis	China Snow, Summer Charm	20-25' *	15-20'	3	medium	medium	low	high	rounded	creamy white fragrant dense clusters	dry capsules	yellow	attractive exfoliating, amber colored bark
Lilac, Japanese Tree Lilac *	Syringa reticulata	Ivory Silk	20-25' *	15-20'	3	low	medium	medium	high	upright oval/rounded	creamy white fragrant dense clusters	dry capsules	yellow	tolerant of urban conditions
Linden, Summer Sprite	Tilia cordata	Summer Sprite Linden	18-20' *	12-15'	3	low	medium	medium	high	dense pyramidal	tiny yellow fragrant in spring	gray nutlets with bracts	yellow	perfect for confined urban spaces
Zelkova, City Sprite *	Zelkova serrata	City Sprite	20-24' *	15-18'	5	medium	high	low	medium	compact oval to vase	insignificant	insignificant	yellow	perfect for confined urban spaces
Zelkova, Wireless *	Zelkova serrata	Wireless	20-24' *	30-35'	5	medium	high	low	medium	flat topped broad spreading	insignificant	insignificant	reddish orange	ideal under utility lines, better in 5' parkstrips

All parkstrip trees must be a single trunk form unless approved by the City.
Other tree species may be appropriate with approval from the City.

* Proven Performer

+ Trees to be planted under utility lines

References:

The Morton Arboretum <http://www.mortonarb.org/trees-plants/search-trees/search-all-trees-and-plants>

Missouri Botanical Gardens <http://www.missouribotanicalgarden.org/plantfinder/plantf>

Utah State University Cooperative Extension Tree Browser <https://treebrowser.org>

Cornell Woody Plants Database <http://woodyplants.cals.cornell.edu/home>

J. Frank Schmidt <https://www.jfschmidt.com/introductions>

TREE AREA C - DOWNTOWN URBAN AREAS - MEDIUM STREET TREES

Common Name	Botanical Name	Acceptable Cultivars	Mature Height	Canopy Spread	USDA Hardiness Zone	Salt Tolerance	Drought Tolerance	Poor Drainage Tolerance	Alkalinity Tolerance	Shape	Flowers	Fruit	Fall Color	Additional Notes
Maple, Hedge	<i>Acer campestre</i>	Metro Gold, Queen Elizabeth	25-35'	25-35'	5	high	medium	medium	high	oval/round dense	small, green-yellow in spring, insignificant	green samaras	yellow	doesn't tend to get leaf scorch
Maple, State Street	<i>Acer miyabei</i>	State Street, Rugged Ridge	30-45'	30-35'	4	low	high	medium	high	oval to rounded	small, green-yellow in springs, insignificant	green samaras	yellow-orange	hardy, tough, pest free maple
Hornbeam, Fastigate	<i>Carpinus betulus 'Fastigiata'</i>	Fastigiata	30-40'	20-30'	4	low	medium	medium	medium	oval vase	catkins	clusters of small nutlets in bracts	yellow-orange	smooth gray bark with fluting
Yellowwood *	<i>Cladrastis kentukea</i>	American, Perkins Pink	30-50'	30-50'	4	medium	medium	medium	high	round	large hanging fragrant white or pink flowers	flat papery pod	yellow	very showy flowers in late spring, smooth gray bark
Turkish Filbert	<i>Corylus columna</i>		40-50'	15-35'	4	low	medium	medium	high	pyramidal	insignificant	edible nut		tolerant tree once established
Hardy Rubber Tree	<i>Eucommia ulmoides</i>	Emerald Point	35-40'	15-20'	4	medium	high	high	high	narrow oval	insignificant	winged seed	none	tolerates a wide range of soil conditions, glossy green leaves
Ginkgo *	<i>Ginkgo biloba</i>	Autumn Gold, Princeton Sentry, Magyar, Colonade	40-45'	15-30'	4	medium	high	medium	high	pyramidal	insignificant	fruitless	yellow-golden	tolerant of a wide range of soil conditions, adapts well to urban environments
Honeylocust *	<i>Gleditsia triacanthos inermis</i>	Street Keeper, Skyline, Shademaster, Northern Acclaim, Sunburst, Perfection	35-50'	20-40'	3	high	high	high	high	pyramidal to round dependent on cultivar	insignificant yet smell very sweet	reported as fruitless	golden yellow	small fine leaves give filtered shade
Goldenrain *	<i>Koelreuteria paniculata</i>		30-40'	30-40'	5	high	high	medium	high	round	very showy bright yellow flowers in upright clusters	black seed in papery capsule	yellow-orange	tough adaptable tree
Osage Orange, White Shield	<i>Maclura pomifera</i>	White Shield, Wichita	30-25'	30-35'	4	medium	high	medium	high	upright spreading	none	none	yellow	tough tolerant, thornless, fruitless
Mulberry, Fruitless	<i>Morus alba</i>	Fruitless Mulberry	30-50'	30-50'	4	high	high	high	high	wide spreading	small yellowish green	fruitless	none	tough tolerant tree
Hophornbeam	<i>Ostrya virginiana</i>	Autumn Treasure, Sun Beam	25-40'	20-30'	3	medium	medium	low	high	oval to rounded	brown-green in summer	hop-like sac	yellow	mature smooth gray bark exfoliates to reveal orange inner bark
Amur Corktree *	<i>Phellodendron amurense</i>	Macho, Eye Stopper, His Majesty	30-45'	30-60'	3	medium	high	medium	high	rounded broad spreading	non showy yellow-green	pea sized black	yellow	once established very tolerant to urban conditions
Mayday Tree	<i>Prunus padus</i>	Merlot	30-40'	18-30'	3	medium	medium	low	medium	pyramidal to round	showy white pendulous	pea sized black	yellow	showy in spring
Flowering Pear	<i>Pyrus calleryana</i>	Aristocrat, Autumn Blaze, Capital, Chanticleer, Trinity	30-40'	12-28'	5	medium	high	medium	high	upright to pyramidal	white in spring	small fruit	redish	good fall color
Littleleaf Linden	<i>Tilia cordata</i>	Greenspire	40'	35'	3	low	medium	medium	high	pyramidal	pale yellow in spring	nutlet	yellow	flowers are fragrant
Linden, Crimean	<i>Tilia x euchlora</i>		40-50'	20-30'	3	low	medium	medium	high	rounded pyramidal	fragrant creamy yellow	gray nutlets with bracts	yellow	reported to have more resistance to aphids
Elm, Emerald Flair	<i>Ulmus parvifolia</i>	Emerald Flair	40-45'	30-35'	4	medium	high	medium	high	spreading vase	insignificant	flat round samara	red-orange red	has better red fall color than most cultivars
Elm, Emerald Sunshine	<i>Ulmus propinqua</i>	Emerald Sunshine	30-35'	20-25'	5	unknown	high	unknown	unknown	vase	inconspicuous	small, flat, papery	yellow	tolerant of all urban conditions
Elm, Frontier *	<i>Ulmus. carpinifolia and U. parvifolia.</i>	Frontier	30-40'	20-30'	4	medium	high	medium	high	upright, vase	inconspicuous	small, flat, papery	burgandy-purplish	tolerant of all urban conditions

All parkstrip trees must be a single trunk form unless approved by the City.

Other tree species may be appropriate with approval from the City.

* Proven Performer

+ Trees to be planted under utility lines

References:

The Morton Arboretum <http://www.mortonarb.org/trees-plants/search-trees/search-all-trees-and-plants>

Missouri Botanical Gardens <http://www.missouribotanicalgarden.org/plantfinder/plantf>

Utah State University Cooperative Extension Tree Browser <https://treebrowser.org>

Cornell Woody Plants Database <http://woodyplants.cals.cornell.edu/home>

J. Frank Schmidt <https://www.jfschmidt.com/introductions>

TREE AREA C - DOWNTOWN URBAN AREAS - LARGE STREET TREES

Common Name	Botanical Name	Acceptable Cultivars	Mature Height	Canopy Spread	USDA Hardiness Zone	Salt Tolerance	Drought Tolerance	Poor Drainage Tolerance	Alkalinity Tolerance	Shape	Flowers	Fruit	Fall Color	Additional Notes
Maple, Sycamore	<i>Acer pseudoplatanus</i>		40-55'	35-55'	4	high	high	medium	high	round	small green-yellow in spring, insignificant	green samaras	yellow	Gray flaking bark
Catalpa *	<i>Catalpa speciosa</i>		50-70'	20-50'	4	medium	high	medium	high	irregular open	white with spots inside	long slender	yellow	beautiful when in flower
Hackberry *	<i>Celtis occidentalis</i>	Chicagoland	40-60'	40-60'	3	medium	high	medium	high	rounded spreading	insignificant	purple drupe	pale yellow	tolerates both wet and dry conditions
Honeylocust *	<i>Gleditsia triacanthos inermis</i>	Street Keeper, Skyline, Northern Acclaim	40-45'	20-35'	3	high	high	high	high	pyramidal to round	insignificant yet smell very sweet	reported as fruitless	golden yellow	small fine leaves give filtered shade
Tulip Tree	<i>Liriodendron tulipifera</i>		60-70'	30-50'	4	low	medium	medium	medium	broad conical	yellow with orange bands	dry brown oblong	golden yellow	flowers somewhat hidden by leaves
Oak, Chinkapin	<i>Quercus muehlenbergii</i>	Red Autumn	40-60'	50-60'	5	low	high	medium	high	oval to rounded	insignificant	acorn	yellow brown or red	tolerant of alkaline soils
Oak, Shumard	<i>Quercus shumardii</i>		40-60'	30-40'	5	medium	high	medium	high	oval	insignificant	acorn	brownish red	does well in wet and dry soil
Japanese Pagoda Tree	<i>Sophora japonica</i>	Halka Millstone	45'	35'	4	medium	medium	medium	high	rounded to oval	white	seeds pods	green-yellow	tolerates many soil sypes and conditions, seed pods can be messy
Linden, Silver *	<i>Tilia tomentosa</i>	Sterling Silver, Green Mountain, Satin Shadow	50-70'	25-40'	4	medium	medium	medium	high	pyramidal	fragrant creamy yellow	gray nutlets with bracts	yellow	best heat and drought tolerant of all lindens
Elm, Commendation *	<i>Ulmus (japonica x wilsoniana Morton) x (pumila x carpinifolia)</i>	Commendation	50-70'	40-50'	4	high	high	high	high	pyramidal	insignificant	flat round samara	yellow	fast growing but not wild
Elm, Green stone *	<i>Ulmus davidianna 'JFS KW2UD'</i>	Greenstone	50-60'	40-50'	4	unknown	unknown	unknown	unknown	upright vase	insignificant	flat round samara	yellow	strong branch attachments at open angles
Elm, New Horizon *	<i>Ulmus japonica x pumila 'New Horizon'</i>	New Horizon	50-55'	30-40'	3	high	medium	med	high	upright oval	insignificant	flat round samara	yellow	proven rugged street tree
Elm, Accolade *	<i>Ulmus japonica x wilsoniana 'Morton'</i>	Accolade	50-60'	30-40'	5	medium	high	low	high	arching vase	insignificant	flat round samara	yellow	excellent DED resistance
Elm, Triumph *	<i>Ulmus wilsoniana, U. japonica, and U. pumila</i>	Triumph	50-60'	40-45'	4	medium	high	high	high	upright oval to vase	insignificant	flat round samara	yellow	very dark green glossy leaves
Zelkova *	<i>Zelkova serrata</i>	Village Green, Green Vase	40-55'	30-50'	5	medium	high	low	medium	vase	insignificant	small wingless drupe	rusty red	mature smooth gray bark exfoliates to reveal orange inner bark

All parkstrip trees must be a single trunk form unless approved by the City.
Other tree species may be appropriate with approval from the City.

* Proven Performer

+ Trees to be planted under utility lines

References:

The Morton Arboretum <http://www.mortonarb.org/trees-plants/search-trees/search-all-trees-and-plants>

Missouri Botanical Gardens <http://www.missouribotanicalgarden.org/plantfinder/plantf>

Utah State University Cooperative Extension Tree Browser <https://treebrowser.org>

Cornell Woody Plants Database <http://woodyplants.cals.cornell.edu/home>

J. Frank Schmidt <https://www.jfschmidt.com/introductions>