

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>