

LANDMARK AND HERITAGE TREE LIST (This list is intended to replace the existing list, dating from the late 1980's)

Scientific Name	Common Name	Landmark Tree	<u>Heritage Tree</u>
Abies	Fir	18 16"	
<u>Acer nigrum</u>	<u>Black Maple</u>	<u>16"</u>	<u>22"</u>
<u>Acer negundo</u> ^{1, 2, 5}	<u>Boxelder</u>	<u>20"</u>	<u>24"</u>
<u>Acer rubrum</u> ^{4, 5}	<u>Red Maple, Swamp Maple Water Maple, Soft Maple</u>	<u>16"</u>	<u>22"</u>
<u>Acer palmatum</u> (include cultivars)	<u>Japanese Maple, Palmate Maple</u>	<u>8"</u>	
<u>Acer pensylvanicum</u> ⁵	<u>Striped Maple, Moosewood, Moose Maple, Goosefoot Maple</u>	<u>8"</u>	<u>12"</u>
<u>Acer saccharinum</u> ^{1, 2, 5}	Silver Maple	18 20"	18 24"
<u>Acer saccharum</u> ^{3, 5}	Sugar Maple	<u>16"</u>	<u>22"</u>
Acer	Maple	16"	
<u>Aesculus glabra</u> ³	<u>Ohio Buckeye</u>	<u>8"</u>	<u>12"</u>
<u>Aesculus hippocastanum</u>	<u>Horse-chestnut, European Horse-chestnut, Conker</u>	<u>18"</u>	
Aesculus	Horse Chestnut	18"	
<u>Amelanchier</u> ^{4, 5}	<u>Serviceberry, Shadbush, Shadblow, Juneberry, Saskatoon, Wild-plum, Chuckley Pear</u>	<u>8"</u>	<u>10"</u>
<u>Asimina triloba</u>	Pawpaw	8"	<u>10"</u>
<u>Betula alleghaniensis</u> ⁵	<u>Yellow Birch, Golden Birch, Swamp Birch</u>	<u>12"</u>	<u>16"</u>
<u>Betula murrayana</u>	<u>Murry Birch</u>	<u>12"</u>	<u>16"</u>
<u>Betula papyrifera</u> ^{1, 2, 3, 4, 5, 7}	<u>Paper Birch, Canoe Birch</u>	<u>12"</u>	<u>16"</u>
Betula	Birch	12"	
Carpinus <u>betulus</u> ⁴ (and cultivars)	<u>European Hornbeam, Common Hornbeam</u>	8"	
<u>Carpinus caroliniana</u> (and cultivars)	<u>American Hornbeam, Blue Beech, Ironwood, Muscle-wood, Muscle Beech</u>	<u>8"</u>	<u>12"</u>
<u>Carya cordiformis</u> ⁵	<u>Butternut Hickory, Bitternut Hickory, Swamp Hickory</u>	<u>16"</u>	<u>22"</u>
<u>Carya laciniosa</u> ⁵	<u>Pignut Hickory</u>	<u>16"</u>	<u>22"</u>

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<u>Carya ovata</u> ⁵	<u>Shagbark</u> Hickory	16"	22"
<u>Carya</u>	<u>Hickory</u>	<u>16"</u>	
<u>Castanea dentata</u> ^{3, 5, 7}	American Chestnut	8"	<u>16"</u>
<u>Cercidiphyllum japonicum</u>	<u>Katsura, Camel Tree</u>	<u>12"</u>	
Cedrus	Cedar of Lebanon <u>Atlas Cedar, or Deodar Cedar</u>	<u>8"10"</u>	
<u>Celtis occidentalis</u> ⁵	<u>Northern Hackberry, Common Hackberry, American Hackberry, Nettletree, Beaverwood</u>	12"	<u>16"</u>
<u>Cercis canadensis</u> ^{1, 4}	<u>Redbud</u> , Eastern Redbud	8"	<u>15"</u>
Cladrastis lutea	Yellowwood, <u>Kentucky Yellowwood, American Yellowwood</u>	12"	
<u>Cornus alternifolia</u> ⁵	<u>Alternate-leaf Dogwood, Pagoda Dogwood</u>	<u>8"</u>	<u>12"</u>
<u>Cornus florida</u> ^{4, 5, 7}	Flowering Dogwood	8"	<u>10"</u>
<u>Cornus kousa</u> ⁴	<u>Oriental Dogwood, Kousa Dogwood, Chinese, Japanese, Korean Dogwood</u>	<u>8"</u>	
<u>Cornus mas</u> ⁴	<u>Cornelian-Cherry, European Cornell, Cornelian Cherry Dogwood</u>	<u>8"</u>	
<u>Crataegus punctata</u> ⁵	<u>Dotted Hawthorn, White Haw</u>	<u>8"</u>	<u>12"</u>
Crataegus	Hawthorn	<u>8"</u>	
Diospyros virginiana	Persimmon	12"	
<u>Fagus grandifolia</u>	<u>American</u> Beech	18"	<u>22"</u>
<u>Fagus sylvatica (including cultivars)</u>	<u>European Beech</u>	<u>18"</u>	
<u>Fagus</u>	<u>Beech</u>	<u>18"</u>	
<u>Fraxinus americana</u> ^{5, 7}	<u>American Ash</u>	<u>16"</u>	<u>20"</u>
<u>Fraxinus nigra</u> ^{5, 7}	<u>Black Ash</u>	<u>12"</u>	<u>16"</u>
<u>Fraxinus pennsylvanica</u> ^{5, 7}	<u>Red Ash, Green Ash</u>	<u>16"</u>	<u>20"</u>
<u>Fraxinus quadrangulata</u> ^{5, 7}	<u>Blue Ash</u>	<u>16"</u>	<u>20"</u>

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<u>Fraxinus</u> ^{5, 7} (no infertile cultivars)	<u>Ash</u>	<u>16"</u>	
Ginkgo biloba	Ginkgo	12 <u>16"</u>	
<u>Gleditsia triacanthos</u> ^{1, 2}	<u>Honey Locust, Thorny Locust, Thorny Honey Locust</u>	<u>16"</u>	<u>22"</u>
<u>Gleditsia</u>	<u>Honey Locust</u>	18 <u>16"</u>	
<u>Gymnocladus dioicus</u>	Kentucky Coffeetree	<u>18"</u>	<u>22"</u>
<u>Hamamelis virginiana</u> ⁴	<u>Witch-hazel, Common Witch-hazel, American Witch-hazel</u>	<u>8"</u>	<u>16"</u>
<u>Hamamelis</u>	<u>Witch-hazel</u>	<u>8"</u>	
<u>Juglans cinera</u> ⁵	Butternut	<u>8"</u>	<u>12"</u>
<u>Juglans nigra</u> ^{2, 5, 7}	Black Walnut	<u>18"</u>	<u>24"</u>
<u>Juniperus virginiana</u> ^{2, 7}	<u>Juniper, Eastern Red Cedar, Red Cedar, Virginia Juniper, Eastern Juniper, Red Juniper, Baton Rouge, Red Stick</u>	<u>8"</u>	<u>12"</u>
Juniperus (upright cultivars)	Juniper	<u>8"</u>	
<u>Koelreuteria paniculata</u>	<u>Golden Rain Tree, Pride of India, China Tree, Varnish Tree</u>	<u>8"</u>	
<u>Larix laricina</u> ⁵	<u>Tamarack, Hackmatack, Eastern Larch, Black Larch, Red Larch, American Larch</u>	<u>12"</u>	<u>20"</u>
Larix	Larch	<u>12"</u>	
Liquidambar styraciflua	<u>Sweetgum, American Sweetgum, American Storax, Hazel Pine, Redgum, Satin-walnut, Star-leaved Gum, Alligator wood</u>	<u>12"</u>	
<u>Liriodendron tulipifera</u>	<u>Tuliptree, Yellow Poplar, Tulip Tree, American Tulip Tree, Tulip Poplar, Tulipwood, Whitewood, Fiddle Tree, Yellow Poplar</u>	<u>18"</u>	<u>24"</u>
<u>Maclura pomifera</u>	<u>Osage-orange Osage Orange, Horse Apple, Hedge Apple</u>	<u>12"</u>	
<u>Magnolia</u> ⁴	<u>Magnolia</u>	<u>8"</u>	
<u>Malus coronaria</u> ^{4, 5}	<u>Wild Crab Apple, Sweet Crabapple, Garland Crab</u>	<u>8"</u>	<u>12"</u>
<u>Malus pumila</u>	<u>Cultivated Apples</u>	<u>12"</u>	
Malus	Crabapple	<u>12"</u>	

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Metasequoia glyptostroboides	Dawn Redwood	12"	
<u>Morus rubra</u> ^{3, 5}	<u>Red Mulberry</u>	<u>12"</u>	<u>18"</u>
<u>Nyssa sylvatica</u> ⁵	Black Tupelo, <u>Black Gum, Tupelo, Sour Gum</u>	12"	
<u>Ostrya virginiana</u> ⁵	<u>American Hop-hornbeam, Ironwood</u>	8"	<u>12"</u>
<u>Picea abies (and upright cultivars)</u> ⁵	<u>Norway Spruce, European Spruce</u>	18 16"	
<u>Picea glauca (and upright cultivars)</u> ⁵	<u>White Spruce</u>	18 16"	<u>22"</u>
<u>Picea mariana</u> ⁵	<u>Black Spruce</u>	18 16"	<u>22"</u>
<u>Picea pungens (and upright cultivars)</u> ^{5, 7}	<u>Colorado Blue Spruce</u>	18 16"	
Picea	Spruce	18 16"	
<u>Pinus banksiana</u> ³	<u>Jack Pine</u>	18 8"	<u>14"</u>
<u>Pinus mugho</u>	<u>Mugho Pine, Bog, Creeping Pine, Pine, Dwarf Mountain Pine, Mugo Pine, Mountain Pine, Scrub Mountain Pine, Swiss Mountain Pine</u>	18 16"	
<u>Pinus resinosa</u>	<u>Red Pine</u>	18 16"	<u>22"</u>
<u>Pinus strobus</u>	<u>White Pine</u>	18 16"	<u>22"</u>
Pinus	Pine	18 16"	
<u>Platanus x acerifolia</u> ⁷	<u>London Plane Tree, Plane Tree</u>	18"	
<u>Platanus occidentalis</u> ⁷	<u>Sycamore, Buttonwood, American Sycamore, American Plane Tree, Western Plane</u>	18"	<u>24"</u>
Platanus ⁷	<u>Oriental Plane</u>	18"	
<u>Populus deltoides</u> ^{1, 2, 5}	<u>Cottonwood, Eastern Cottonwood, Necklace Poplar</u>	12 20"	<u>24"</u>
<u>Populus grandidentata</u> ^{5, 6}	<u>Big-tooth Aspen, Large-tooth Aspen, American Aspen, Canadian Poplar, White Poplar</u>	12 10"	<u>16"</u>
<u>Populus tremuloides</u> ^{5, 6}	<u>Aspen, Quaking Aspen</u>	12 10"	<u>16"</u>
Populus (not Populus alba)	Populus	12"	
<u>Prunus pennsylvanica</u> ^{5, 8}	<u>Pin Cherry, Bird Cherry, Red Cherry, Fire Cherry, North American Cherry</u>	<u>8"</u>	<u>12"</u>

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<u>Prunus serotina</u> ^{1, 5, 8}	<u>Black Cherry, Wild Black Cherry, Rum Cherry, Mountain Black Cherry</u>	18"	<u>24"</u>
<u>Prunus virginiana</u> ^{5, 8}	<u>Choke Cherry, Bitter-berry, Virginia Bird Cherry, Western Chokeberry</u>	8"	<u>12"</u>
<u>Prunus</u> ⁵	<u>Cherry, Plum, Peach, Apricot</u> Wild Plum	12"	
<u>Pseudotsuga menziesii</u>	<u>Douglas-fir, Douglas Spruce, Oregon Pine, Columbian Pine</u>	18 16"	
<u>Pyrus</u>	<u>Pear</u>	12"	
<u>Quercus alba</u> ⁵	<u>White Oak</u>	<u>16"</u>	<u>22"</u>
<u>Quercus bicolor</u> ⁵	<u>Swamp White Oak, Swamp Spanish Oak</u>	16 14"	<u>20"</u>
<u>Quercus coccinea</u> ⁵	<u>Scarlet Oak</u>	<u>16"</u>	<u>22"</u>
<u>Quercus imbricaria</u> ⁵	<u>Shingle Oak</u>	16 14"	<u>20"</u>
<u>Quercus macrocarpa</u> ⁵	<u>Bur Oak</u>	<u>16"</u>	<u>22"</u>
<u>Quercus palustris</u> ⁵	<u>Pin Oak</u>	16 14"	<u>20"</u>
<u>Quercus rubra</u> ⁵	<u>Red Oak, Northern Red Oak</u>	<u>16"</u>	<u>22"</u>
<u>Quercus velutina</u> ⁵	<u>Black Oak</u>	<u>16"</u>	<u>22"</u>
<u>Quercus</u>	<u>Oak</u>	16"	
<u>Salix</u> ^{1,5}	<u>Willow</u>	<u>20"</u>	
<u>Sassafras albidum</u> ⁵	<u>Sassafras, White Sassafras</u>	12"	<u>16"</u>
<u>Sorbus americana</u> ^{5, 7}	<u>American Mountain-ash</u>	8"	<u>12"</u>
<u>Taxodium distichum</u>	<u>Bald Cypress</u>	12"	
<u>Taxus (upright varieties)</u> ⁸	<u>Yew</u>	<u>12"</u>	
<u>Tilia americana</u> ⁵	<u>Basswood, American Basswood, American Linden</u>	<u>16"</u>	<u>20"</u>
<u>Tilia cordata</u>	<u>Littleleaf Linden, Small-leaved Lime, Small-leaved Linden</u>	<u>16"</u>	
<u>Thuja plicata</u>	<u>Western Red Cedar, Green Giant Arborvitae, Giant Cedar Shinglewood</u>	<u>12"</u>	

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Thuja occidentalis	Arborvitae, <u>Eastern White Cedar, Northern White Cedar</u>	12"	12"
Thuja	Cedar	12"	
Tsuga canadensis ⁵	Eastern Hemlock	12"	<u>16"</u>
Ulmus americana ^{3, 5, 7}	<u>American Elm, White Elm, Water Elm</u>	18"	<u>22"</u>
Ulmus rubra	<u>Red Elm, Slippery Elm</u>	<u>12"</u>	<u>18"</u>
Ulmus	Elm	18"	

Note: Notes are substantially rewritten, footnotes are added

NOTES:

- A Landmark or a Heritage Tree is any tree growing in the City which is large enough to equal or surpass the diameters at breast height (DBH) on this list.
- This list supersedes and replaces the previous list (2004)
- Trees that do not have a health and condition factor of over 50%, based on the standards established by the International Society of Arboriculture will not need to be protected. These standards consider the soundness of the main stem, the presence of pathogens which may be life threatening, the structure of the tree and development of the crown, the tree's growth rate, the tree's life expectancy. If a tree or some part of a tree represents a safety issue, it should be removed.
- Trees native to Southern Michigan and found in Ann Arbor are shown in bold type, e.g. **Acer rubrum**. In this case there is a size listed in the DBH-HT space.
- Trees where only the genus name is shown are usually exotic, or they are cultivars and hybrids. Some may be natives that are uncommonly found in the City. In this case the DBH – HT space is BLANK.
- This list is more comprehensive than the earlier list, more native tree species are specifically called out, and more non-native trees are shown.
- Landmark Trees, if taken, are mitigated at the 50% rate (a replacement tree for each 2" of DBH removed).
- A Non-native tree, if taken, that has reached a DBH of 24" shall be mitigated at the 75% rate (a replacement tree for each 1.5" of DBH removed).
- Heritage Trees, if taken, shall be mitigated at the 100% rate (a replacement tree for each inch of DBH removed).
- Trees which appear on the City's Invasive Species List are not protected. They do not appear on this list.
- Multi-stemmed trees shall be measured by adding the areas of each stem at breast height together, where the area of each stem is calculated by the formula: $A = 3.14 \times \text{radius squared}$.
- There are footnotes that are new to this list. They are intended to provide more information about protected trees.

FOOTNOTES:

1. Tree may have issues such as weak wood, poor form, weediness.
2. Tree should not be used as a replacement tree in most circumstances.
3. Tree is uncommon or is a species that may be in trouble from pathogens or climate change.
4. Tree may be multi-stem.

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- ~~1-5.~~ Tree is native. Known to host more than 100 butterflies, moths, and caterpillars. ALL native trees provide significant ecosystem services compared to most non-natives.
- ~~2-6.~~ Tree root clones, protect to outer CRZ of clone.
- ~~3-7.~~ Tree has a propensity to be susceptible to pathogens.