



Gahanna

City of Gahanna
200 South Hamilton Road
Gahanna, Ohio 43230

**COMPREHENSIVE
LANDSCAPE PLAN**

November 9, 2022



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I. Introduction

A. Purpose Statement

- i. The City of Gahanna's Comprehensive Landscape Plan (Comprehensive Tree Plan for Gahanna) was created for the following reasons:
 - a. To provide a tree plan to City Council, Planning Commission and internal staff
 - b. To provide clear guidance, tree care standards and landscaping requirements to Gahanna residents and contractors

B. Note to Gahanna Residents

- i. This document is designed to assist residents in finding the tree-related information. Copies of referenced documents can be obtained by contacting the City Forester. Before conducting any work in a right-of-way, citizens must refer to the most updated copy of the codified ordinances, and a right-of-way permit must be acquired before work begins.
 - a. The city of Gahanna focuses on diversifying tree species to protect the urban tree canopy.

II. Gahanna Codified Ordinances

A. Ohio Revised Code

City of Gahanna Codified Ordinances may be stricter than the Ohio Revised Code, but they cannot be less strict than State Law. The City of Gahanna defers to the Ohio Revised Code in any situation where municipal code is lacking in content.

B. Chapter 154 – Landscape Board

This ordinance outlines the creation, purpose and intended duties of Gahanna's Landscape Board. For a current copy, contact the City Forester or visit the City of Gahanna's website.

C. Chapter 913 – Landscaping Requirements

This ordinance outlines requirements for tree planting and maintenance in both private and public spaces. This chapter also includes information about landscaping.

Residents searching for information about street tree requirements should review this chapter under section 10. For a current copy, contact the City Forester or visit the City of Gahanna's website.

D. Chapter 914 – Tree Preservation, Planting and Replacement

This ordinance outlines the preservation and protection of Gahanna's existing trees. During certain kinds of development, trees must be included in landscape plans and some trees require protection during construction. For a current copy, contact the City Forester or visit the City of Gahanna's website.

III. Park Trees

A. Program Description

i. What are Park Trees?

Park trees are considered to be any tree in a City-owned greenspace (not in a right-of-way). Some park trees are more frequently maintained than others. Trees that are specially planted for aesthetic value are pruned and cared for on a regular basis while trees in natural forests are only evaluated if they become hazardous.

ii. The Importance of Park Trees

Trees are a vital asset to any urban environment. Healthy trees add beauty, are a source of oxygen, absorb carbon dioxide, provide shade, absorb noise and increase property values. Parks and the trees found in parks add value to the community and provide a natural haven for residents.

Gahanna has been designated a Tree City USA for more than 30 years, and park trees help the community maintain this prestigious status.

iii. Park Tree Guidelines

The City of Gahanna is responsible for the planting, maintenance, and removal of park trees. If a citizen notices a tree that is dead and/or hazardous on park property, they are encouraged to report the tree to Gahanna's City Forester.

B. Memorial Tree Program

- ##### **i. The Memorial Tree Program is an opportunity to help beautify Gahanna's parks while also celebrating life by planting a tree.**
- People often wish to leave living memorials for those they have lost or to celebrate a birth of a child, wedding, or anniversary. In response to these wishes, the Gahanna Department of Parks and Recreation has established a special program to allow people to donate towards planting trees on City of Gahanna property. A donation of \$900 will plant a tree that will beautify the community for future generations to enjoy. Trees are planted in the spring and fall. The size and species of trees will be appropriate for the site and will be at the discretion of the Parks staff. A plaque will be ordered and installed by the City of Gahanna and is included in the price of the tree. Contact the Parks and Recreation Department at 614-342-4250 for more information.

IV. Street Trees

A. Program Description

i. What are Street Trees?

Street trees are the trees located in the public right-of-way (usually the area of turf between the street and the sidewalk).

ii. The Importance of Street Trees

Trees are a vital asset to any urban environment. Healthy trees add beauty, are a source of oxygen, absorb carbon dioxide, provide shade, absorb noise and increase property values. Gahanna has been designated a Tree City USA for more than 30 years, and street trees help the community maintain this prestigious status.

iii. Street Tree Guidelines

Street tree information can be found in Gahanna Codified Ordinance 913. The City's Parks & Recreation Department and the City Forester are available for guidance by calling 614-342-4250; or by sending an email to the City Forester at julie.predieri@gahanna.gov.

B. Tree Grant Program

This program is temporarily on hold due to funding.

V. Tree City USA

A. Program Overview

- i. The City of Gahanna and its citizens take pride in their commitment to protecting and improving the quality of the urban forest. Tree City USA is a national recognition of that commitment and is sponsored by the National Arbor Day Foundation. Gahanna strives to maintain this accreditation annually.
- ii. Tree City USA provides direction, technical assistance, public attention, and national recognition for urban and community forestry programs in thousands of towns and cities where more than 93 million Americans call home.

B. Tree City USA Benefits

- i. Receive flags, signs, and other materials to proudly display your award
- ii. Educate residents about the value of trees and green space
- iii. Gain national recognition for your commitment to environmental stewardship
- iv. Create a cleaner, healthier, and more beautiful urban landscape
- v. For up to date information on Tree City USA please visit <https://www.arborday.org/programs/treecityusa/>

C. Standards of Tree City USA Accreditation

- i. To qualify for Tree City USA, a town or city must meet four standards established by The National Arbor Day Foundation and the National Association of State Foresters. These standards were established to ensure that every qualifying community would have a viable tree management plan and program. It is important to note

that they were also designed so that no community would be excluded because of size.

- a. A Tree Board or Department
- b. A Tree Care Ordinance
- c. A Community Forestry Program with an Annual Budget of at Least \$2 per Capita
- d. An Arbor Day Observance and Proclamation

VI. Bee City USA

A. Program Overview

i. Bee City USA Commitments

- a. Establish a standing Bee City USA committee to advocate for pollinators.
- b. Create and enhance pollinator habitat on public and private land by increasing the abundance of native plants and providing nest sites.
- c. Reduce the use of pesticides.
- d. Incorporate pollinator-conscious practices into city policies and plans.
- e. Host pollinator awareness events.
- f. Publicly acknowledge Bee City USA affiliation with signs and an online presence.
- g. Pay an initial application fee and annual renewal fee.

- ii. The City of Gahanna committed to be an affiliate of Bee City USA in 2017 via a resolution by City Council.

B. Bee City USA Committee

- i. The Bee City USA Committee will consist of a combination of City staff and all members of the Landscape Board.
- ii. The Bee City USA Committee will be responsible for annually upholding the seven commitments of Bee City USA and reporting the year's activities to the Xerces Society.

VII. Appendix

A. Definitions (in reference to Codified Ordinances)

- i. "Accessory use or building" means a use or a structure subordinate to the principal use or building on a lot and serving a purpose customarily incidental thereto.
- ii. "Board" means the City Landscape Board.
- iii. "Injurious plants" includes, but is not limited to the following list of trees that are prone to disease, seek water (trouble for water and sewer lines), are soft wood trees and need room for roots to grow and a curb lawn does not provide enough room. Some of the trees have thorns and some won't tolerate snow, salt and sand that could affect it during the winter.
- iv. "Interior landscaping" means the use of landscape materials within the innermost boundaries of the landscape buffer zone and perimeter landscaping.

- v. "Landscape buffer zone" means that area adjacent to any vehicular use area or along common boundaries in which the perimeter landscape requirements are to be met.
- vi. "Large tree" means any tree species which normally attains a full grown height in excess of fifty feet.
- vii. "Medium tree" means any tree species which normally attains a full grown height of between twenty-five feet and fifty feet.
- viii. "Small Trees" means any tree species which normally attains a full grown height under twenty-five feet.
- ix. "O.F.T." means or fraction thereof.
- x. "Opacity" means the degree to which a wall, fence or landscaping is impenetrable to light or vision.
- xi. "Public Trees" shall include all shade and ornamental trees and/or shrubs now or hereafter growing on any public property.
- xii. "Parking area, lot or structure" means an off-street area or structure, for required parking or loading spaces, including driveways, access ways, aisles, parking or loading spaces, including driveways, access ways, aisles, parking and maneuvering space.
- xiii. "Perimeter landscaping" means the use of landscape materials within the landscape buffer zone to achieve the required opacity.
- xiv. "Person" means any person, corporation, partnership, company, contracting firm or other entity.
- xv. "Pruning" means to cut branches, stems, etc. from a plant to improve shape and growth.
- xvi. "Street trees" means those trees, shrubs, bushes, and all other woody vegetation on land lying within street easements or right-of-way, or between property lines on either side of all streets, avenues or ways within the City.
- xvii. "Topping" means the severe cutting back of limbs within a tree's crown to a stub, or to a bud or a lateral branch not large enough to assume the terminal role and produce healthy growth so as to remove the normal canopy, disfigure the tree, and promote weak rapid growth.
- xviii. "Treelawn" means that part of a street not covered by sidewalk or other paving, lying between the property line and that portion of the street right-of-way that is paved and usually used for vehicular traffic.
- xix. "Vehicular use area" means any area used by vehicles. (Ord. 160-92. Passed 10-6-92)

B. Invasive Species List

- i. The following invasive species list is provided by the Ohio Department of Agriculture. Please visit their website for a current list of plants.
 - a. Amur honeysuckle (*Lonicera maackii*)
 - b. Autumn olive (*Elaeagnus umbellata*)
 - c. Black dog-strangling vine, black swallowwort (*Vincetoxicum nigrum*)

- d. Callery pear (*Pyrus calleryana*) (effective on January 2023)
- e. Spotted knapweed (*Centaurea stoebe* ssp. *Micranthos*)
- f. Common barberry (*Berberis vulgaris*)
- g. Common reed (*Phragmites australis*)
- h. Common teasel (*Dipsacus fullonum*)
- i. Curly-leaved pondweed (*Potamogeton crispus*)
- j. Cutleaf teasel (*Dipsacus laciniatus*)
- k. Dame's rocket (*Hesperis matronalis*)
- l. Brazilian Elodea (*Egeria densa*)
- m. Eurasian water-milfoil (*Myriophyllum spicatum*)
- n. European buckthorn (*Rhamnus cathartica*)
- o. European frog-bit (*Hydrocharis morsus-ranae*)
- p. European wand loosestrife (*Lythrum virgatum*)
- q. Fig buttercup/lesser celandine (*Ficaria verna* (synonym *Ranunculus ficaria*))
- r. Flowering rush (*Butomus umbellatus*)
- s. Garlic mustard (*Alliaria petiolata*)
- t. Giant hogweed (*Heracleum mantegazzianum*)
- u. Glossy buckthorn (*Frangula alnus*)
- v. Hairy willow herb (*Epilobium hirsutum*)
- w. Hybrid cattail (*Typha x glauca*)
- x. Hydrilla (*Hydrilla verticillata*)
- y. Japanese honeysuckle (*Lonicera japonica*)
- z. Japanese stiltgrass (*Microstegium vimineum*)
- aa. Kudzu (*Pueraria montana* var. *lobata*)
- bb. Morrow's honeysuckle (*Lonicera morrowii*)
- cc. Multiflora rose (*Rosa multiflora*)
- dd. Narrow-leaved cattail (*Typha angustifolia*)
- ee. Oriental bittersweet (*Celastrus orbiculatus*)
- ff. Parrotfeather (*Myriophyllum aquaticum*)
- gg. Purple loosestrife (*Lythrum salicaria*)
- hh. Russian olive (*Elaeagnus angustifolia*)
- ii. Tatarian honeysuckle (*Lonicera tatarica*)
- jj. Tree-of-heaven (*Ailanthus altissima*)
- kk. Water chestnut (*Trapa natans*)
- ll. Yellow floating heart (*Nymphoides peltata*)

- i. Note that there are species not listed above that are considered to be on the "watch list." Although not yet classified as an invasive species, these plants display characteristics of invasive species. For more information on the watch list, contact The Ohio State University's local extension office at 614-866-6900.

C. Prohibited Tree List

- ii. The following list of prohibited street trees are considered to be "injurious plants" and are prone to disease, seek water (trouble for water and sewer lines), are soft wood trees and need room for roots to grow and a curb lawn does not provide enough room.

Some of the trees have thorns and some won't tolerate snow, salt and sand that could affect it during the winter:

1. Box elder
2. Mulberry
3. Siberian elm
4. Fruit trees
5. Evergreen species
6. Poplar species
7. Hawthorn species (with exception of thornless cultivars)
8. Honey locust (with exception of thornless and seedless cultivars)
9. Silver maple
10. Willow species
11. Gingko (exclusion only includes females)
12. Tree-of-heaven
13. Cottonwood
14. Crabapple species
15. Ash species
16. Pear species

Note that industry standards encourage the phrase, "Right Tree, Right Place." Just because a tree is not listed as prohibited does not mean that it is an acceptable species for any location. All new street trees must be approved by the City Forester before planting. Any tree planted that has not been approved may be removed by the City of Gahanna.

E. Recommended Street Tree List

| City of Gahanna Recommended Street Tree List | | | | | | | | |
|----------------------------------------------|----------------------------------------------|------------------|----------------------|---------------------|--------------------|------------------------|---------------|--------------------------------------------------|
| Small Trees (35' or less in height) | | | | | | | | |
| Spacing: 25' between trees | | | | | | | | |
| Minimum Tree Lawn Size: 4' | | | | | | | | |
| Scientific Name | Common Name | Cultivar Name(s) | Approx Mature Height | Approx Mature Width | Min Tree Lawn Size | Acceptable Under Wires | Native | Notes |
| <i>Acer buergerianum</i> | trident maple | | 25' | 20' | 4' | No | No | Oval |
| <i>Acer ginnala</i> | Amur maple | Flame | 20' | 20' | 4' | Yes | No | Single stem only |
| | | Betozam | 20' | 15' | | | | |
| | | Mozam | 20' | 15' | | | | |
| <i>Acer grandidentatum</i> | Rocky Mountain Glow big tooth (canyon) maple | Schmidt | 25' | 20' | 4' | No | North America | |
| <i>Acer griseum</i> | paperbark maple | | 30' | 25' | 4' | No | No | |
| <i>Acer tataricum</i> | Hot Wings tatarian maple | GarAnn | 20' | 25' | 4' | Yes | No | |
| | Pattern Perfect tatarian maple | Patdell | 25' | 20' | | | | |
| | Rugged Charm tatarian maple | JFS-KW2 | 20' | 15' | | | | |
| <i>Acer triflorum</i> | three-flower maple | | 25' | 20' | 4' | No | No | |
| <i>Aesculus pavia</i> | red buckeye | | 20' | 20' | 4' | Yes | Ohio | |
| <i>Aesculus x arnoldiana</i> | Arnold buckeye | Autumn Splendor | 35' | 30' | 8' | No | North America | Wide canopy requires minimum 8' tree lawn |
| <i>Amelanchier arborea</i> | Cumulus serviceberry | Cumulus | 25' | 25' | 4' | Yes | North America | Single stem only; Lustre good for overhead lines |
| | Lustre serviceberry | Rogers | 20' | 15' | | | | |
| | Spring Flurry serviceberry | JFS-Arb | 28' | 20' | | | | |

| | | | | | | | | |
|----------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------|--------------------------|----|-------------------------|---------------|-------------------------------------------|
| <i>Amelanchier x grandiflora</i> | apple serviceberry | Robin Hill Coles Select Autumn Brilliance Princess Diana | 30' 20' 25' 25' | 15' 15' 25' 20' | 4' | No Yes Yes Yes | Ohio | Single stem only |
| <i>Carpinus betulus</i> | Columnar European hornbeam Frans Fontaine hornbeam Pyramidal European hornbeam | Fastigiata Frans Fontaine Columnare | 35' 35' 30' | 20' 15' 20' | 4' | No | No | Narrow canopy |
| <i>Cercis canadensis</i> | eastern redbud | Various cultivars available | 25' | 30' | 8' | Yes | Ohio | Wide canopy requires minimum 8' tree lawn |
| <i>Cornus alternifolia</i> | pagoda dogwood | | 20' | 20' | 4' | Yes | No | |
| <i>Cornus florida</i> | flowering dogwood | | 15' | 15' | 4' | No | Ohio | |
| <i>Cornus kousa</i> | kousa dogwood | Various cultivars available | 20' | 20' | 4' | Yes | No | Hybrids also considered |
| <i>Cornus mas</i> | corneliancherry dogwood | Golden Glory | 20' | 15' | 4' | Yes | No | Single stem only |
| <i>Crataegus crusgalli</i> | Crusader hawthorn | Cruzam | 35' | 35' | 8' | No | North America | Thornless varieties only; wide canopy |
| <i>Crataegus viridis</i> | Winter King hawthorn | Winter King | 20' | 25' | 8' | Yes | North America | Wide canopy requires minimum 8' tree lawn |
| <i>Halesia carolina</i> | Wedding Bells silverbell | Wedding Bells | 20' | 15' | 4' | Yes | North America | Upright/oval form |
| <i>Heptacodium miconioides</i> | seven-son flower tree | | 25' | 15' | 4' | No | No | Single stem only |
| <i>Maackia amurensis</i> | Amur maackia | | 30' | 20' | 4' | No | No | |
| <i>Maackia chinensis</i> | Chinese maackia | | 25' | 25' | 4' | No | No | |

| | | | | | | | | |
|-----------------------------|--------------------------------------|------------------|-----|-----|----|-----|---------------|------------------|
| <i>Magnolia virginiana</i> | Henry Hicks sweetbay magnolia | Henry Hicks | 20' | 20' | 4' | Yes | North America | Single stem only |
| | Moonglow sweetbay magnolia | Jim Wilson | 25' | 15' | | | | |
| <i>Magnolia x</i> | Galaxy hybrid magnolia | Galaxy | 20' | 15' | 4' | No | No | |
| <i>Oxydendrum arboreum</i> | sourwood | | 25' | 25' | 4' | Yes | North America | |
| <i>Parrotia persica</i> | Vanessa Persian ironwood | Vanessa | 28' | 15' | 4' | No | No | |
| <i>Prunus x</i> | Okame flowering cherry | Okame | 25' | 25' | 4' | Yes | No | |
| | Snow Goose flowering cherry | Snow Goose | 25' | 20' | | Yes | | |
| | First Lady flowering cherry | First Lady | 27' | 14' | | No | | |
| | First Blush flowering cherry | JFS-KW14 | 25' | 12' | | No | | |
| <i>Prunus sargentii</i> | Columnar Sargent cherry | Columnaris | 35' | 15' | 4' | No | No | |
| | Pink Flair cherry | JFS-KW58 | 25' | 15' | | | | |
| <i>Prunus subhirtella</i> | Autumn-flowering cherry/Higan cherry | Autumnalis Rosea | 30' | 25' | 4' | No | No | |
| <i>Styrax japonicus</i> | Pink Chimes snowbell | Pink Chimes | 15' | 15' | 4' | Yes | No | |
| | Spring Showers snowbell | Spring Showers | 20' | 15' | | | | |
| | Snowcone snowbell | JFS-D | 20' | 15' | | | | |
| <i>Syringa reticulata</i> | Ivory Silk Japanese tree lilac | Ivory Silk | 20' | 20' | 4' | Yes | No | |
| <i>Syringa pekinensis</i> | Beijing Gold Peking lilac | Zhang Zhiming | 20' | 20' | 4' | Yes | No | |
| | China Snow Peking lilac | Morton | 20' | 20' | | | | |
| | Great Wall Peking lilac | WFH2 | 20' | 12' | | | | |
| <i>Taxodium distichum</i> | Lindsey's Skyward Bald Cypress | Skyward | 25' | 10' | 4' | No | North America | Columnar |
| <i>Viburnum prunifolium</i> | blackhaw viburnum | | 15' | 10' | 4' | Yes | Ohio | Tree form only |

Medium Trees (30-45' in height)

Spacing: 35' between trees

Minimum Tree Lawn Size: 5'

| Scientific Name | Common Name | Cultivar Name(s) | Approx Mature Height | Approx Mature Width | Min Tree Lawn Size | Acceptable Under Wires | Native | Notes |
|---------------------------------|----------------------------------|------------------|----------------------|---------------------|--------------------|------------------------|--------|----------|
| <i>Acer campestre</i> | Metro Gold hedge maple | Panacek | 35' | 20' | 5' | No | No | |
| | Queen Elizabeth hedge maple | Evelyn | 35' | 35' | | | | |
| <i>Acer x freemanii</i> | Armstrong Freeman maple | Armstrong II | 45' | 15' | 5' | No | Ohio | Columnar |
| <i>Acer miyabei</i> | Rugged Ridge maple | JFS-KW3AMI | 45' | 40' | 5' | No | No | |
| | State Street maple | Morton | 40' | 30' | | | | |
| <i>Aesculus x carnea</i> | Briotii red horsechestnut | Briotii | 30' | 35' | 5' | No | No | |
| | Ft. McNair red horsechestnut | Ft. McNair | 32' | 30' | | | | |
| <i>Carpinus betulus</i> | Emerald Avenue European hornbeam | JFS-KW1CB | 40' | 28' | 5' | No | No | |
| <i>Carpinus caroliniana</i> | Native Flame American hornbeam | JFS-KW6 | 30' | 20' | 5' | No | Ohio | |
| | American hornbeam | | 25' | 20' | | | | |
| <i>Cercidiphyllum japonicum</i> | katsuratree | | 40' | 30' | 5' | No | No | |
| <i>Cladrastis kentukea</i> | American yellowwood | Perkins Pink | 40' | 40' | 5' | No | Ohio | |
| | Perkins Pink yellowwood | | 30' | 30' | | | | |
| <i>Corylus colurna</i> | Turkish filbert (hazel) | | 45' | 35' | 5' | No | No | |
| <i>Eucommia ulmoides</i> | hardy rubber tree | | 45' | 45' | 5' | No | No | |
| <i>Koelreuteria paniculata</i> | golden raintree | | 30' | 30' | 5' | No | No | |
| <i>Maackia amurensis</i> | Maackia Amur maackia | JFS-Schichtel1 | 30' | 25' | 5' | No | No | |

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|---------------------------------|--------------------------------------|---------------|-----|-----|-----|----|------|--------------------------------------------------|
| <i>Magnolia x / soulangiana</i> | Saucer magnolia | Alexandrina | 30' | 25' | 10' | No | No | Wide and low canopy; tree lawn minimum width 10' |
| <i>Nyssa sylvatica</i> | Wild Fire black gum | Wild Fire | 40' | 25' | 5' | No | Ohio | |
| <i>Ostrya virginiana</i> | American hophornbeam (ironwood) | | 35' | 25' | 5' | No | Ohio | |
| | Autumn Treasure American hophornbeam | JFS-KW5 | 40' | 20' | | | | |
| <i>Prunus yedoensis</i> | Yoshino cherry | | 40' | 25' | 5' | No | No | |
| <i>Quercus robur</i> | Skyrocket English oak | Fastigiata | 45' | 15' | 5' | No | No | Columnar |
| <i>Ulmus x*</i> | Frontier elm | Frontier | 40' | 30' | 5' | No | No | |
| | Triumph hybrid elm | Morton Glossy | 45' | 45' | | | | |
| | Patriot hybrid elm | Patriot | 45' | 40' | | | | |
| <i>Zelkova serrata*</i> | Musashino zelkova | Musashino | 45' | 15' | 5' | No | No | Columnar |

| Large Trees (40' or more in height) | | | | | | | | |
|--------------------------------------------|----------------------------|------------------|----------------------|---------------------|--------------------|------------------------|--------|------------------------------|
| Spacing: 45' between trees | | | | | | | | |
| Minimum Tree | | | | | | | | |
| Lawn Size: 8' | | | | | | | | |
| Scientific Name | Common Name | Cultivar Name(s) | Approx Mature Height | Approx Mature Width | Min Tree Lawn Size | Acceptable Under Wires | Native | Notes |
| <i>Acer davidii</i> | snake bark maple | | 50' | 40' | 8' | No | No | sensitive to alkaline soils |
| <i>Acer x freemanii</i> | Autumn Blaze freeman maple | Jeffersred | 55' | 40' | 8' | No | | |
| | Sienna Glen freeman maple | Sienna | 50' | 35' | | | | |
| <i>Acer nigrum</i> | black maple | Greencolumn | 70' | 30' | 8' | No | Ohio | Columnar |
| <i>Acer rubrum</i> | Autumn Flame red maple | Autumn Flame | 35' | 35' | 8' | No | | All prone to surface rooting |
| | Redpointe red maple | Frank Jr. | 45' | 30' | | | | |
| | Sun Valley red maple | Sun Valley | 40' | 35' | | | | |

| | | | | | | | | |
|-------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------|--------------------------|--------------------------|----|----|------|---------------------------------------------------------|
| <i>Acer saccharum</i> | sugar maple | Endowment Legacy Commemorati on Green Mountain | 50' 50' 50' 50' | 20' 35' 35' 40' | 8' | No | Ohio | Endowm ent is columnar |
| <i>Betula nigra</i> | river birch Heritage river birch Dura-Heat river birch | Cully BNMTF | 50' 50' 50' | 40' 40' 40' | 8' | No | Ohio | Not for alkaline soils; single stem only |
| <i>Catalpa speciosa</i> | northern catalpa | | 60' | 40' | 8' | | No | |
| <i>Carya ovata</i> | shagbark hickory | | 70' | 50' | 8 | No | Ohio | Median plantings only |
| <i>Celtis occidentalis*</i> | common hackberry | Prairie Pride Magnifica | 45' 50' | 45' 40' | 8' | No | Ohio | |
| <i>Fagus sylvatica</i> | European beech Rivers purple beech | Riversii | 50' 50' | 40' 40' | 8' | No | No | |
| <i>Ginkgo biloba*</i> | Autumn Gold ginkgo Princeton sentry ginkgo | Autumn Gold Princeton Sentry | 45' 40' | 35' 15' | 8' | No | No | Male cultivars only; Sentry is columnar |
| <i>Gleditsia triacanthos*</i> | Imperial honeylocust Sunburst honeylocust | Impcole Suncole | 40' 40' | 35' 35' | 8' | No | Ohio | Thornless varieties only |
| <i>Gymnocladus dioicus</i> | Espresso Kentucky coffeetree | Espresso-JFS | 50' | 35' | 8' | No | Ohio | Male cultivars preferred (seedless) |
| <i>Liquidambar styraciflua</i> | sweetgum | | 70' | 45' | 8' | No | Ohio | Median plantings only |
| <i>Liriodendron tulipifera</i> | tuliptree | | 90' | 50' | 8' | No | Ohio | |
| <i>Magnolia acuminata</i> | cucumber magnolia | | 65' | 65' | 8' | No | Ohio | Median plantings only |
| <i>Metasequoia glyptostroboides</i> | dawn redwood Gold Rush dawn redwood | Ogon or Gold Rush | 70' 50' | 50' 20' | 8' | No | No | |

| | | | | | | | | | |
|-------------------------------|------------------------------|---------------|-----|-----|----|----|---------------|---------------------------|-----------------------|
| <i>Platanus x acerifolia*</i> | Bloodgood London planetree | Bloodgood | 50' | 40' | | | | | Anthracnose resistant |
| | Exclamation planetree | Morton Circle | 55' | 35' | 8' | No | No | | |
| | Columbia planetree | Columbia | 50' | 40' | | | | | |
| <i>Quercus alba</i> | white oak | | 60' | 60' | 8' | No | Ohio | | |
| <i>Quercus bicolor</i> | swamp white oak | | 50' | 50' | 8' | No | Ohio | | |
| <i>Quercus coccinea</i> | scarlet oak | | 70' | 45' | 8' | No | Ohio | | |
| <i>Quercus imbricaria</i> | shingle oak | | 50' | 40' | 8' | No | Ohio | Needs acidic soils | |
| <i>Quercus lyrata</i> | overcup oak | | 50' | 50' | 8' | No | Ohio | Needs acidic soils | |
| <i>Quercus macrocarpa</i> | bur oak | | 60' | 50' | 8' | No | Ohio | | |
| <i>Quercus montana</i> | chestnut oak | | 50' | 40' | 8' | No | Ohio | Tolerates dry sites | |
| <i>Quercus muehlenbergii</i> | chinkapin oak | | 45' | 55' | 8' | No | Ohio | | |
| <i>Quercus phellos</i> | willow oak | | 50' | 35' | 8' | No | North America | Zone 6 | |
| <i>Quercus prinus</i> | chestnut oak | | 65' | 65' | 8' | No | Ohio | | |
| <i>Quercus rubra</i> | northern red oak | | 75' | 75' | 8' | No | Ohio | | |
| <i>Quercus shumardii</i> | shumard oak | | 60' | 45' | 8' | No | Ohio | | |
| <i>Quercus velutina</i> | black oak | | 55' | 55' | 8' | No | Ohio | | |
| <i>Taxodium distichum*</i> | bald cypress | | 60' | 35' | | | North America | Shawnee Brave is columnar | |
| | Shawnee Brave bald cypress | Mickelson | 55' | 20' | 8' | No | Ohio | | |
| <i>Tilia americana</i> | Boulevard American linden | Boulevard | 50' | 30' | | | Ohio | | |
| | Redmond linden (basswood) | Redmond | 35' | 25' | 8' | No | Ohio | | |
| <i>Tilia cordata</i> | Corinthian littleleaf linden | Corzam | 45' | 15' | | | No | | |
| | Greenspire littleleaf linden | Greenspire | 45' | 30' | 8' | No | No | | |
| <i>Tilia tomentosa</i> | Green Mountain silver linden | PNI 6051 | 45' | 35' | | | No | | |
| | Sterling silver linden | Sterling | 45' | 35' | 8' | No | No | | |
| <i>Ulmus americana*</i> | Jefferson American elm | Jefferson | 70' | 50' | | | Ohio | | |
| | Valley Forge American elm | Valley Forge | 70' | 70' | 8' | No | Ohio | | |

| | | | | | | | | |
|-------------------------|--------------------------------|------------|-----|-----|----|----|----|--|
| <i>Ulmus parvifolia</i> | Chinese elm | | 50' | 40' | 8' | No | No | |
| <i>Zelkova serrata*</i> | Green Vase Japanese zelkova | Green Vase | 45' | 30' | 8' | No | No | |

| Special Use Trees Species for special use areas and trial plantings | | | | | | | | |
|-------------------------------------------------------------------------------|----------------------------------|--------------------|----------------------|---------------------|--------------------|------------------------|--------|-------------------------------------|
| Scientific Name | Common Name | Cultivar Name(s) | Approx Mature Height | Approx Mature Width | Min Tree Lawn Size | Acceptable Under Wires | Native | Notes |
| <i>Celtis occidentalis</i> | Prairie Sentinel hackberry | JFS-KSU1 | 45' | 12' | By Approval Only | No | Ohio | Columnnar |
| <i>Eucommia ulmoides</i> | Emerald Pointe hardy rubber tree | Empozam | 40' | 15' | By Approval Only | No | No | Columnnar |
| <i>Liquidambar styraciflua</i> | Slender Silhouette sweetgum | Slender Silhouette | 60' | 8' | By Approval Only | No | Ohio | Few to no seed pods; very columnnar |
| <i>Maclura pomifera</i> | White Shield osage-orange | White Shield | 35' | 35' | By Approval Only | No | Ohio | Male, no fruit or thorns |
| <i>Quercus robur x Quercus alba</i> | Skinny Genes hybrid oak | JFS-KW2QX | 45' | 10' | By Approval Only | No | No | Columnnar |
| <i>Quercus robur x Quercus bicolor</i> | Streetsprie hybrid oak | JFS-KW1QX | 45' | 14' | By Approval Only | No | No | Columnnar |
| <i>Quercus robur x Quercus bicolor</i> | Regal Prince hybrid oak | Long | 45' | 8' | By Approval Only | No | No | Very columnnar |
| <i>Quercus robur x Quercus bicolor</i> | Kindred Spirit hybrid oak | Nadler | 30' | 6' | By Approval Only | No | No | Very columnnar |

| | | | | | | | | |
|---------------------------------------------------|--------------------------|-----------------|-----|-----|------------------|----|------|----------|
| <i>Quercus robur x Quercus bicolor</i> | Crimson Spire hybrid oak | Crimscmidt | 45' | 15' | By Approval Only | No | No | Columnar |
| <i>Quercus robur x Quercus bicolor</i> | Beacon swamp white oak | Bonnie and Mike | 40' | 15' | By Approval Only | No | Ohio | Columnar |
| * Species tolerates parking lot conditions | | | | | | | | |

E. Contact Information
City of Gahanna
Forestry Supervisor Julie Predieri
julie.predieri@gahanna.gov
P: 614-342-4261