

CHAPTER 1335
Urban Forestry and Green Space Regulations

<p>1335.01 Purpose. 1335.02 Definitions. 1335.03 Applicability and exemptions. 1335.04 Permits. 1335.05 Tree requirements. 1335.06 Tree protection and planting requirements.</p>	<p>1335.07 Tree protection plan specifications. 1335.08 Permit fee. 1335.09 Enforcement. 1335.10 Appeal. 1335.11 Severability. 1335.99 Violation and penalty.</p>
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1335.01 PURPOSE.

The purpose of this chapter is to preserve, protect and enhance the City of Harrison's natural environment through the planting and protection of trees, shrubs and other vegetation ("tree/shrub"). The chapter is intended to further the City's policy that all development sites where trees/shrubs are most commonly removed will have, upon project completion, a uniform standard relating to tree/shrub coverage.
(Ord. 14-05. Passed 5-3-05.)

1335.02 DEFINITIONS.

For purposes of this section, the following definitions shall apply:

- (1) "Administrator" means the Mayor of the City of Harrison, or his/her designee, who shall be responsible for administering the provisions of this chapter.
- (2) "Caliper inches" means quantity in inches of the diameter of trees measured at the height of 4-1/2 feet above the ground.
- (3) "Category" means classification of species of trees/shrubs.
- (4) "Clearing" means the removal of vegetation from a property, whether by cutting or other means.
- (5) "Conifer trees" means any tree with needle leaves and a woody cone fruit.
- (6) "Deciduous trees" means any trees that shed their leaves in the fall or winter.
- (7) "Development regulations" means the adopted regulations provided for the subdivision and development of real property within the City of Harrison, as amended from time to time by the City Council of the City of Harrison.
- (8) "Dripline" means a line on the ground established by a vertical plane extending from a tree's outermost branch tips to the ground (i.e., the line enclosing the area directly beneath the tree's crown from which rainfall would drip).

- (9) "Endangered species" means those trees that are under the protection of the State of Ohio and/or Federal law.
- (10) "Evergreen" means those trees, including broadleaf and conifer evergreens, that maintain their leaves year around.
- (11) "Flood plain, 100 year" means those lands subject to flooding, which have at least a 1% probability of flooding occurrence in any calendar year, and specifically, the flood plain as shown on the Flood Boundary and Floodway Map as prepared by the Federal Emergency Management Agency (FEMA).
- (12) "Grading" means the placement, removal or movement of earth by use of mechanical equipment on a property.
- (13) "Land Disturbance Permit (LDP)" means any permit other than a building permit issued by the City of Harrison that authorizes clearing or grading activities on a site or portion of a site. Said permit may be clearing, clearing and grubbing, grading, or development as defined and authorized under the development regulations of the City of Harrison.
- (14) "Lot Building Area" means area of lot encompassed by front, side and rear yard setbacks or building line as required by the City of Harrison, Ohio, Zoning Code.
- (15) "Nondevelopment Activity" means any alteration of the natural environment which does not require development plan approval, but which would include the proposed removal or destruction of any tree/shrub.
- (16) "Overstory" means those trees that compose the top layer or canopy of vegetation.
- (17) "Pervious surface" means area of land that can be landscaped or planted, allows natural passage through by water, and is not covered by manmade materials or structures such as building and/or paving.
- (18) "Replacement planting" means the planting of trees/shrubs on a site that before development had more trees/shrubs, and after development shall have less trees per acre of pervious surface.
- (19) "Tree" means any living, self-supporting wood perennial plant, usually having a mainstem or trunk and many branches, and at maturity normally attaining a trunk diameter greater than three inches at any point, and a height over ten feet.
- (20) "Tree density unit" means a credit assigned to a tree, based on the diameter of the tree, in accordance with tables contained in this chapter.
- (21) "Tree equivalency table" means the categories of trees showing importance, visual buffering, growth characteristics, native species and aesthetics in accordance with tables contained in this chapter.
- (22) "Tree protection area" means any portion of a site wherein are located existing trees which are proposed to be retained in order to comply with the requirement of this chapter. The tree protection area shall include no less than the total area beneath the tree canopy as defined by the dripline of the tree or group of trees collectively.
- (23) "Tree Protection Plan (TPP)" means a plan that identifies tree protection areas, existing trees to be retained and proposed trees to be planted on a property to meet minimum requirements, as well as methods of tree preservation to be undertaken on site and other pertinent information.
- (24) "Tree removal area" means area on site where trees are permitted to be removed for construction of buildings, access roads, parking areas, canopies, patios, decks, sidewalks, utility installation, water retention and similar necessary development needs. However, some tree replacement will be required.

- (25) "Understory" means those trees that grow beneath the overstory.
- (26) "Zoning buffer" means a buffer, as defined and required by the Zoning Ordinance, or as a condition of zoning approval for a specific property.
- (27) "Zoning Ordinance" means the Zoning Ordinance of the City of Harrison, as amended from time to time by the City Council of the City of Harrison.
- (28) "Zoning and Planning Department" means the Zoning and Planning Department of the City of Harrison, Ohio.
- (29) "Zoning districts" as defined in the City of Harrison, Ohio, Zoning Code and shown on the Zoning Map.
- (30) "Zoning Enforcement Officer" means an employee of the City of Harrison's Zoning and Planning Department charged with the responsibility of enforcing ordinances relating to development of real property within the corporate limits of the City of Harrison.
(Ord. 14-05. Passed 5-3-05.)

1335.03 APPLICABILITY AND EXEMPTIONS.

(a) General Exceptions. The terms and provisions of this chapter shall apply to any activity on real property which requires the issuance of a land disturbance permit and/or building permit within the City of Harrison. The requirements of this chapter shall be followed except:

- (1) During a period of emergency, such as a tornado, ice storm, flood or any other such act of nature.
- (2) If the failure to remove a tree/shrub would constitute an imminent danger to the environment, property, public health, safety or welfare due to the hazardous or dangerous condition of such tree/shrub.
- (3) For necessary tree removal by a public agency or utility company within plotted or dedicated utility easements.
- (4) Area upon which a permanent structure is located or will be located within a lot building area for all zoning districts.
- (5) Golf course.
- (6) Tree nurseries, botanical gardens and orchards.
- (7) Dead, substantially injured or damaged trees/shrubs as verified by the Administrator.

(b) Removal of Diseased or Infested Trees/Shrubs. Upon the advice of the county extension service, in accordance with commonly accepted forestry practices and a finding of a tree disease or infestation, the Administrator may authorize the removal of trees/shrubs to prevent the transmission of disease or infestation, to prevent the danger of those trees falling, or to prevent the potential injury to life and property. The owner/developer, prior to the removal of the diseased trees, shall notify the Administrator, identify the location of the infested property, and shall submit to the Administrator the written finding of the county extension service.

(c) Zoning Ordinance Buffer Requirements. Existing trees/shrubs proposed to be retained or replanted to meet the buffer requirements of the Zoning Ordinance or conditions of zoning approval shall not be considered in fulfilling the requirements of this chapter. Trees/shrubs or other vegetation shall not be removed from a zoning buffer area except under the provisions as established by the Zoning Ordinance.

(Ord. 14-05. Passed 5-3-05.)

1335.04 PERMITS.

(a) Land Disturbance Activities Prerequisite. Land disturbance activities shall not commence until such activities have been authorized by issuance of appropriate Land Disturbance Permits under the provisions of the development regulations.

(b) Tree Protection Plans. For those projects not exempt from the provisions of this chapter, and not included under subsection (c) hereof, a Tree Protection Plan shall be submitted along with the other documents required by the development regulations for the issuance of a clearing, clearing and grubbing, grading, or development permit.

- (1) All Tree Protection Plans and related documentation shall be reviewed by the Planning and Zoning Department for conformance to the provisions of this chapter along with and at the same time as all other plans required for a requested Land Disturbance Permit under the provisions of the Development Regulations.
- (2) Clearing, grading and development activities shall conform in all respects with the approved Tree Protection Plan. Any revisions to the proposed development of a property, and any changes reflected in a subsequently submitted permit application, shall be shown on a new or revised permit prior to the commencement of such changed activities.

(c) Exceptions. Projects which propose only limited development activities may be issued a Land Disturbance Permit without a Tree Protection Plan under the following circumstances:

- (1) Residential and nonresidential areas shall not be required to submit a Tree Protection Plan if the proposed land disturbance and construction activities are strictly limited to the provision of streets and storm water drainage and detention facilities, placement of soil erosion and sedimentation controls, installation of public or private utilities, and other improvements expressly required by the City of Harrison or by a condition of zoning approval.
- (2) Individual multi-family residential and nonresidential projects (not involving a subdivision of the property) may be allowed to undertake activities limited to clearing or clearing and grubbing only, without approval of a Tree Protection Plan, if the proposed land disturbance activities are limited to those portions of the property outside of all minimum yard areas required by the zoning district, all buffer areas required by the Zoning Ordinance or conditions of zoning approval, and any area within the 100-Year Flood Plain, except for curb cut access into the property and for the placement of required soil erosion and sedimentation controls. Additional areas may be designated by the Planning and Zoning Department to remain undisturbed as may be reasonably required with consideration to the proposed use of the property in accordance with the City of Harrison's Zoning Ordinance. The limits to clearing or clearing and grubbing shall be established no closer to the boundaries of all said undisturbed areas than the driplines of the trees which are located within said areas.

- (3) For any property for which a Tree Protection Plan was not required prior to issuance of a Land Disturbance Permit under the provisions of this section, all areas required to be undisturbed shall be provided with protective tree fencing, staking, or continuous ribbon along the limits of clearing or grading which adjoin existing trees/shrubs. Such measures shall be in place prior to the beginning clearing or grading activities, and shall be maintained throughout the land disturbance.
(Ord. 14-05. Passed 5-3-05.)

1335.05 TREE REQUIREMENTS.

(a) Minimum Standards. On each property for which a Tree Protection Plan is required by this chapter, existing trees may be retained and new trees shall be planted such that the property shall attain or exceed a tree/shrub density standard of 25 units per acre, exclusive of any acreage within a zoning buffer area and any trees needed to meet buffer requirements of the Zoning Ordinance or conditions of zoning approval. The trees, both existing and new, where feasible, shall be reasonably distributed throughout the site, with emphasis on tree groupings to achieve aesthetic results following professional landscaping standards. Trees may be retained or planted for credit within a public right of way if granted approval by the Planning and Zoning Department.

(b) Tree Density Standard Calculation. The tree density standard shall be calculated by summing the following credits and dividing the total acreage of the project included within the limits of the permit application (but excluding any acreage included within a zoning buffer).

- (1) Credit by existing trees to be retained shall be calculated by multiplying the number of trees, by diameter, times the units assigned in Table A which is attached hereto and a part hereof. Credit shall be given all trees retained on a property having a diameter of three inches or more, except trees located in a zoning buffer.
- (2) Credit for new trees proposed on the site shall be calculated by multiplying the number of trees, by diameter, times the units assigned in Table B, which is attached hereto and made a part hereof. Credit shall be given all new trees on a property except for new trees of less than one inch in diameter and new trees planted in a required zoning buffer.
- (3) Additional credit shall be granted under the following circumstances:
 - A. A total tree density credit not to exceed twice the units shown on Table A, may be granted by the Planning and Zoning Department for existing trees to be retained which have greater value as outstanding specimen trees or having historic value or being a rare or unique species.
 - B. Existing trees to be retained within a minimum yard area (as required by the applicable zoning district) or within a 100-year Flood Plain shall be granted a bonus credit of 50% of the units assigned in Table A unless the tree is located within a required zoning buffer.

(Ord. 14-05. Passed 5-3-05.)

1335.06 TREE PROTECTION AND PLANTING REQUIREMENTS.

The following guidelines and standards shall apply to trees proposed to be retained for credit toward meeting the minimum required tree density standard on a property.

- (a) Tree Protection Areas. The root system within the dripline is generally considered to be the critical root zone. To protect these critical root zones, a tree protection area shall be established around each tree or group of trees to be retained.
 - (1) The Tree Protection Area shall include no less than the total area beneath the tree canopy as defined by the dripline of the tree or group of trees collectively.
 - (2) Layout of the project site utility and grading plan shall avoid disturbance of the Tree Protection Area.
 - (3) Construction site activities such as parking, material storage, concrete washout, burnhole placement, etc., shall be arranged so as to prevent disturbance within the Tree Protection Areas.
- (b) Protective Barriers.
 - (1) Protective tree fencing, staking or continuous ribbon shall be installed between Tree Protection Areas and areas proposed to be cleared, graded or otherwise disturbed on the site, prior to any land disturbance.
 - (2) All Tree Protection Areas are recommended to be designated as such with "tree save area" signs posted in addition to the required protective fencing, staking or continuous ribbon. Signs requesting sub-contractor cooperation and compliance with tree protection standards are recommended on site entrances.
 - (3) All Tree Protection Areas must be protected for soil sedimentation intrusion through the use of silt screens or other acceptable measures placed upslope from the Tree Protection Area.
 - (4) All protective tree fencing, staking or continuous ribbon, and all erosion control barriers must be installed prior to and maintained throughout the land disturbance and construction process, and should not be removed until final landscaping is installed.
- (c) Encroachment. If encroachment into a Tree Protection Area occurs which causes irreparable damage to the trees, the Tree Protection Plan shall be revised to compensate for the loss. Under no circumstances shall the developer be relieved of responsibility for compliance with the provisions of this chapter, nor shall planned revision activities stop the Administrator from instituting action for this violation of this chapter.
- (d) New Tree Planting. New trees proposed to be planted for credit toward meeting the minimum required tree density standard in a property shall comply with the following guidelines and standards.
 - (1) The spacing of new trees must be compatible with special site limitations and with responsible consideration toward species size when mature.
 - (2) Species selected for planting must be ecologically compatible with the specifically intended growth site. Standards for transplanting shall be in keeping with those established by the International Society of Arboriculture, latest publication.
 - (3) Trees selected for planting must be free from injury, pest, disease, nutritional disorders, or root defects, and must be of good vigor, so as to assure reasonable expectation of survivability.

- (4) In the event that new trees proposed to be planted to achieve the tree density standard are not installed upon application for Certificate of Occupancy or for final plan approval, then a performance bond or other acceptable surety in an amount equal to 110% of the value of the new trees and their installation shall be posted with the Administrator.
 - (5) Upon final installation of new trees planted under the requirements of this chapter, and following acceptance by the Planning and Zoning Department, the owner shall warrant the trees and provide for the replacement of those units which do not survive for a period of no less than one year from acceptance.
- (e) Planting Locations and Specifications. Trees shall be planted in accordance with the standard specification of the City of Harrison:
- (1) Large shade tree species shall be staggered alternately on each side of the street or portion of street not less than 75 feet apart or more than 90 feet apart, except in instances where such plantings will interfere with fire hydrants, utility poles, driveways or utility structures. Type I trees shall not be planted under overhead telephone or electric wires.
 - (2) Ornamental and flowering tree species (Type III) shall be staggered alternately on each side of the street not less than 40 feet apart or more than 60 feet apart except under conditions described in subsection (e)(1) above.
 - (3) No tree shall be planted closer than 3-1/2 feet from curbs or future curbs, ten feet from fire hydrants, 20 feet from street lights and five feet from driveways or meter boxes. At least two trees are to be planted at corner lots, one on each street and these trees shall be set back a minimum of 25 feet from intersections.
- (f) Replacements. Replacements required after inspection at the completion of planting or at the end of the guarantee period shall be trees on the same kind, size and quality as originally indicated. The cost of labor and materials for the installation of these replacements shall be borne by the developer.
- (g) Other Plantings. All other plantings within the right of way, with the exception of turf or ground covers not exceeding 12 inches in height, shall have the approval of the Planning Commission prior to any planting. Trees other than those to be planted in a new subdivision shall be planted according to the provisions of this chapter. Trees planted must be from the approved lists.
- (h) Zoning Department Publications. The following shall be kept by the Planning and Zoning Department and made conveniently available to the developer and the public:
- (1) List of shade trees;
 - (2) Planting guides; and
 - (3) Procedures for inspection. (Ord. 14-05. Passed 5-3-05.)

1335.07 TREE PROTECTION PLAN SPECIFICATIONS.

(a) Professional Preparation. Tree Protection Plans shall be prepared by a professional landscape architect, urban forester, or arborist in accordance with the specifications for such plans contained herein.

(b) Location and Design Implementation. The Tree Location Plan shall be shown on a copy of the preliminary plan, sketch plan, or site plan, as appropriate to the proposed development, drawn to the same scale as the other plan documents prepared for a land disturbance permit application on the property, and shall cover the same area. The plan may be combined with a required buffer and landscape plan for the project, at the option of the developer.

(c) Content. The Tree Protection Plan shall provide sufficient information and detail to clearly demonstrate that all applicable requirements and standards of this chapter will be fully satisfied. The Tree Protection Plan shall contain but need not be limited to the following:

- (1) Project name; land district, land lot and parcel number; north arrow and scale.
- (2) Developer's name, address and telephone number.
- (3) The name, address and telephone number of the professional landscape architect, urban forester or arborist responsible for preparation of the plan, and the seal or statement of professional qualifications of said person (which may be attached separately).
- (4) Delineation of all minimum yard areas, buffers and landscape areas as required by the Zoning Ordinance or conditions of zoning approval.
- (5) Total acreage of the site and total acreage exclusive of all zoning buffer areas.
- (6) Existing trees to be retained in tree protection program: trunk location and size (to the nearest inch in diameter at or below diameter breast height) of individual trees proposed to remain for credit toward meeting the minimum tree density standard on the property. Groups of three or more trees, whose driplines combine into a single tree protection area may be outlined as a group and their number, by diameter, shown in the summary table. If the number and size of all existing trees to remain on the site exceed the required tree density standard for the entire site, only those trees required to meet the minimum tree density standard must be shown. All Tree Protection Areas are to be outlined and labeled.
- (7) Tree protection measures:
 - A. A detail or description of the protective tree fencing, staking or continuous ribbon to be installed, and the location of such measures, which at a minimum shall follow the dripline of all trees to be retained along adjoining areas of clearing, grading or other construction activity.
 - B. Measures to be taken to avoid soil sedimentation intrusion into Tree Protection Areas and the location of such devices.
 - C. Proposed location of temporary construction activities such as equipment or worker parking, material storage, burnholes, equipment washdown areas, and entrance paths.
 - D. Proposed type and location of any tree save area signs or other pertinent signage.
- (8) If new trees are proposed to be planted in order for the property to achieve the required tree density standard, the new trees shall be shown in their spacing and diameter identified, to the extent needed to achieve the minimum requirements. Trees grouped together in Tree Planting Areas may be listed on the summary table by total number in the grouping, by size.
- (9) A summary table of the number of existing trees to remain and new trees to be planted, by diameter to the nearest inch, at or below dbh, shall be shown along with the calculations showing the tree density achieved for the site. Additional credit shall be noted where applicable (see Section 1335.05(a)). Groupings of trees in Tree Protection Areas for new tree planting may be keyed to the summary table by area rather than having each tree individually labeled on the plan.

The plan sheet which shows the grading plan, including existing and proposed contour lines, shall indicate the dripline location of all Tree Protection Areas through the use of shading on the plans. The exact location of each tree does not have to be shown only the limits of the Tree Protection Area and any other areas which are not to be disturbed.
(Ord. 14-05. Passed 5-3-05.)

1335.08 PERMIT FEE.

An application fee of three percent (3%) of the cost of a Building Permit will be charged for each submitted Land Disturbance Permit and/or Tree Protection Plan. This Permit/Plan must be submitted with the application for a Building Permit with the Planning and Building Department of the City of Harrison. Fee must be paid at the time of application submission.
(Ord. 14-05. Passed 5-3-05.)

1335.09 ENFORCEMENT.

It shall be the responsibility of the Building and Zoning Department to enforce this chapter. The Building and Zoning Department, or its designee, shall have the authority to revoke, suspend, or void any clearing, clearing and grubbing, grading, development or building permit or to withhold issuance of a Certificate of Occupancy, and shall have the authority to suspend all work on a site or any portion thereof, where tree removal or damage occurs in violation of this chapter or the provisions of the approved Tree Protection Plan for this site.
(Ord. 14-05. Passed 5-3-05.)

1335.10 APPEAL.

The preservation of trees may be considered as a condition peculiar to the particular piece of property in support of an application for a variance from the literal application of the provisions of the Zoning Ordinance, under the procedures and requirements contained herein.

Any applicant for, or holder of, an initial or subsequent land disturbance permit who is aggrieved by any decision of the Building and Zoning Department relating to the application of this chapter to said permit shall have all rights of appeal as provided under the development regulations, and shall file such request for relieve as a Waiver of Regulations for consideration by the City Council
(Ord. 14-05. Passed 5-3-05.)

1335.11 SEVERABILITY.

Should any section, subsection, clause, or provision of this chapter be declared by a court of competent jurisdiction to be invalid, such decision shall not affect the validity of the chapter in whole or in any part thereof other than the part so declared to be invalid.
(Ord. 14-05. Passed 5-3-05.)

1335.99 VIOLATION AND PENALTY.

Any person violating a provision of this chapter shall be punished either by a fine not to exceed \$1,000 or imprisonment not to exceed sixty days, or both. The Court shall have the power and authority to place any person found guilty of a violation of this chapter on probation and to suspend or modify any fine or sentence. As a condition of said suspension, the Court may require payment or restitution or impose other punishment allowable by law which may include mandatory attendance at an educational program regarding tree preservation. The owner of any property where violation exists, and any builder, contractor, or agent who may be assisted in the commission of any such violation, shall be guilty of a separate offense.
(Ord. 14-05. Passed 5-3-05.)

TABLE A

<u>Diameter</u>	<u>Units</u>	<u>Diameter</u>	<u>Units</u>	<u>Diameter</u>	<u>Units</u>
3	.05	18	1.8	33	5.9
4	.1	19	2.0	34	6.3
5	.15	20	2.2	35	6.7
6	.2	21	2.4	36	7.1
7	.3	22	2.6	37	7.5
8	.4	23	2.9	38	7.8
9	.5	24	3.1	39	8.3
10	.6	25	3.4	40	8.7
11	.7	26	3.7	41	9.2
12	.8	27	4.0	42	9.6
13	.9	28	4.3	43	10.1
14	1.1	29	4.6	44	10.6
15	1.2	30	4.9	45	11.0
16	1.4	31	5.2	46	11.5
17	1.6	32	5.6	47	12.0
				48	12.6
				49	13.1
				50	13.6

TABLE B
CONVERSION FROM TREE DIAMETER IN INCHES
TO TREE DENSITY UNITS FOR PROPOSED NEW TREES

<u>Diameter</u>	<u>Units</u>	<u>Diameter</u>	<u>Units</u>
1	.4	8	1.3
2	.5	9	1.5
3	.6	10	1.7
4	.7	11	1.9
5	.9	12	2.1
6	1.0	13	2.3
7	1.2	14	2.5

NOTE: For the purpose of this chapter, tree diameters are measured at diameter breast height (dbh) or at any point below dbh for new trees or multi-trunked trees, but in no case less than six inches from the ground.

CITY OF HARRISON
SUBDIVISION REGULATIONS

Undesirable species for street tree planting:
Please see current issue of Subdivision Regulations.

Official Street Trees for the City:

Large Shade Trees (to be spaced 75 to 90 feet apart):
Please see current issue of Subdivision Regulations.

Medium Shade Trees (to be spaced 60 to 75 feet apart):
Please see current issue of Subdivision Regulations.

Ornamental and Flowering Trees (to be spaced 40 to 60 feet apart):
Please see current issue of Subdivision Regulations.

LIST OF OFFICIAL STREET TREES

LARGE SHADE TREES:

<u>Scientific Name</u>	<u>Common Name</u>
Acer Platanoides	Norway Maple
Acer Rubrum	Red Maple
Acer Saccharum	Sugar Maple
Celtis Laevigata	Sugar Hackberry
Fraxinum Pennsylvanica Lanceolata	Marshall's Seedless Ash
Ginkgo Biloba "Palo Alto"	Palo Alto Ginkgo
Gleditsia Triacanthos "Moraine"	Moraine Honeylocust
Gleditsia Triacanthos "Skyline"	Skyline Honeylocust
Liquidambar Styraciflua	Sweetgum
Platanus Acerifolia	London Plane Tree
Quercus Borealis	Red Oak
Quercus Coccinea	Scarlet Oak
Quercus Imbricaria	Shingle Oak
Quercus Palustris	Pin Oak
Quercus Shumardi	Shumard Red Oak
Pinus Strubus	White Pine
Sophora Japonica	Japanese Pagoda Tree
Tilia Euchlora	Crimean Linden
Tilia Tomentosa	Silver Linden

MEDIUM SHADE TREES:

<u>Scientific Name</u>	<u>Common Name</u>
Acer Campestre	Hedge Maple
Acer Rubrum "Tilford"	Tilford Red Maple
Aesculus Carnea "Ruby"	Ruby Red Horsechesnut
Carpinus Caroliniana	American Hornbeam
Cladrastus Lutea	American Yellowwood
Crataegus Crus-galli	Cockspur Hawthorn
Fraxinus Holotricha	Moraine Ash
Ostrya Virginiana	American Hophornbeam
Phellodendron Amurense	Amur Corktree
Phellodendron Sachalinense	Sakhalin Corktree
Prunus Sargenti	Sargent Cherry
Quercus Acutisima	Sawtooth Oak
Quercus Phellos	Willow Oak
Quercus Robor	English Oak
Sassafras Albidum	Sassafras
Tilia Cordata	Littleleaf Linden
Zeldova Serrata	Japanese Zelkova

ORNAMENTAL AND FLOWERING TREES:

<u>Scientific Name</u>	<u>Common Name</u>
Acer Buergerianum	Trident Maple
Acer Ginnala	Amur Maple
Acer Giseum	Paperback Maple
Acer Platanoides "Erect"	Erect Norway Maple
Acer Platanoides Globosum	Globe Norway Maple
Acer Rubrum "Column"	Column Red Maple
Acer Tataricum	Tatarian Maple
Amelanchier Laevis	Alleghany Shadblow
Carpinus Betulis Gastigiata	Upright European Hornbeam
Cercidiphyllum Japonicum	Katsura Tree
Cercis Canadensis	Eastern Redbud
Cornus Alternifolia	Pagoda Dogwood
Cornus Florida (all cultivars)	Flowering Dogwood
Cornus Officinalis	Japanese Cornel
Corylus Colurna	Turkish Hazel
Crataegus Ambigua	Russian Hawthorn
Crataegus Lavellei	Lavelle Hawthorn
Crataegus Monogyna Compacta	Globe Hawthorn
Crataegus Monogyna Stricta	Columnar Hawthorn
Crataegus Phaenophyrum	Washington Hawthorn
Crataegus Succulenta	Fleshy Hawthorn
Crataegus Toba	Toba Hawthorn
Ginkgo Biloba "Sentry"	Sentry Ginkgo
Koelreuteria Paniculata	Goldenrain Tree
Magnolia Soulangeana "Kern"	Kern Saucer Magnolia
Magnolia Soulangeana "Lenne"	Lenne Saucer Magnolia
Malus (selected cultivars)	Flowering Crabapples
Prunus Cerasifera	Purple-leaved Plum
Prunus Serrulata (all cultivars)	Japanese Cherry
Prunus Subhirtella Pendula	Weeping Higan Cherry
Pyrus Calleryana "Bradford", "Chanticleer"	Callery Pear
Quercus Robur Fastigiata	Upright English Oak
Syringa Amurensis Japonica	Japanese Tree Lilac
Tilia Cordata "Pyramidal"	Pyramidal Littleleaf Linden

UNDESIRABLE SPECIES FOR STREET TREE PLANTING:

<u>Scientific Name</u>	<u>Common Name</u>
Acer	Box Elder
Acer Saccharinum	Silver Maple
Aesculus Glabra	Ohio Buckeye
Aesculus Hippocastanum	Horse-Chestnut
Ailanthus Altissima	Tree-of-Heaven