

City of Manitowoc

STREET TREE TERRACE PLANTING POLICY

1. **Purpose:** The City of Manitowoc has ordinances regarding plants and trees in the public right-of-way. In issuing a permit, the City will evaluate the location and ensure a good match between the type of plant or tree and the planting site. For more information about the City's ordinances, see www.manitowoc.org.

Street plants and trees help make the City of Manitowoc a wonderful place to live by:

- (1) Removing air pollutants that can trigger respiratory illnesses,
- (2) Reducing storm water run-off,
- (3) Providing shade which keeps the city cooler during the summer and reduces energy costs,
- (4) Providing shelter and food for native birds and other wildlife,
- (5) Reducing carbon dioxide emissions that pollute the air, and
- (6) Enhancing the community, which increases property values and makes our community more inviting.

Emphasis should be placed on planting native plants and trees, since these are best adapted to Wisconsin's climate and soils and are the best for our native birds and other animals. The City of Manitowoc encourages the use of native plants and trees and highly recommends them for areas where growing space and soil type are conducive to healthy native plant and tree development. By selecting an assortment of native plants and trees, you can minimize your risk of losing all your plants or trees should disease strike a particular species, and you can help ensure a healthy urban forest.

2. **Tree Species:** A list of suggested street trees is attached. Note the two lists of trees - one is comprised of tree species appropriate for terraces between four to seven feet wide or those with overhead utilities. The other list is comprised of tree species appropriate for terraces seven feet wide or more with no overhead utilities. *Please note that new tree plantings are prohibited in terraces less than four feet wide unless prior approval is given by the Municipal Tree Commission.*
3. **Tree Size:** Large tree species must be a minimum of 2 ½" in diameter. Small tree species must be a minimum of 2" in diameter. Tree diameters shall be measured at 6" above ground level.
4. **Plant or Tree Location:** Plants and Trees shall be planted in the terrace or if no sidewalk is present, within the right-of-way, with the following guidelines, subject to permit approval. Ideally new plants and trees should be planted at least:
- (1) 30' from any street corner
 - (2) 10' from a driveway
 - (3) 10' from a gas/water valve
 - (4) 20' from a street light or utility pole
 - (5) 10' from a fire hydrant
- Trees should also be planted an equal distance between the sidewalk (or proposed sidewalk) and back of curb (or proposed curb) in coordination with underground utilities.
5. **Planting Distances:** Small tree species should be planted a minimum of 25' apart from one another. Large tree species should be planted a minimum of 40' apart from one another.

6. Other Planting Considerations: Plants in street terraces:

- a) Anyone wishing to plant plants in a terrace will need to submit a planting plan for approval along with a terrace planting permit.
- b) There will be no minimum terrace width, however only plants that will not exceed 8" in height will be allowed within 2' of the curb to prevent conflict with car door swing.
- c) Fertilizers or pesticides will be allowed if used according to manufacturer's recommendations.
- d) Pavers or edging must be kept at or below grade.
- e) Bare ground may not be left exposed. Live ground cover, mulch, stone, or an approved equivalent must be used.

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6. Shrubs, ground cover, or other plants whose growth exceeds 18" in height are prohibited in terrace areas less than 4' wide.

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7. Safety Requirements:

- a) All those involved with planting in the right of way should wear proper safety apparel (i.e. safety vests, gloves, etc.).
- b) If directed by city staff, planters should place traffic control signs, cones, etc. consistent with directives.

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The following brochures are available at the Parks Office to aid you in your tree planting project:

- Benefits of Trees*
- Tree Selection*
- Buying High Quality Trees*
- Tree Planting Basics*
- Trees & Turf*
- Avoiding Tree Damage during Construction*
- Mature Tree Care*
- Recognizing Tree Hazards*
- Tree Values*

Questions can be directed to:

City of Manitowoc – Parks & Forestry Division
2655 S 35th St.
Manitowoc, WI 54220
E-mail: forestry@manitowoc.org
Phone: 920-686-3580

City of Manitowoc
Suggested Street Trees

Small tree species for use in narrow (4-7') terrace area

OR

Terrace area with overhead utilities

<u>Scientific Name</u>	<u>Common Name</u>
Acer Ginnala	Amur Maple
Acer Platanoides 'Globosum'	Globe Norway Maple
Acer Tataricum	Tatarian Maple
Amelanchier Spp.**	Serviceberry
Carpinus Spp.	Hornbeam
Crataegus laevigata 'Superba'	Crimson Cloud English
Maackia Amurensis	Amur Maackia
Malus 'Spring Snow'	Spring Snow Crabapple
Ostrya Virginiana	Ironwood, Hophornbeam
Pyrus Calleryana**	Callery Pear
Syringa Reticulata	Japanese Tree Lilac

***Trees in bold print are native to the area or cultivars of native Wisconsin trees. The City of Manitowoc encourages the planting of native trees as they are best adapted to Wisconsin's climate and soils and are also the best trees for our native birds and other animals.**

** Many cultivars exist for these species. Cultivars are used for variety among species and improved performance through characteristics: i.e. shapes, structure, growth habit, insect/disease resistance, absence/persistence of fruit and color.

City of Manitowoc
Suggested Street Trees

*Large tree species for use in wide (7'+) terrace area
with no overhead utilities.*

<u>Scientific Name</u>	<u>Common Name</u>
Celtis Occidentalis	Hackberry
Corylus Columna	Turkish Filbert (male only)
Gingko Biloba	Gingko
Phellodendron Amurense	Amur Corktree
Quercus X Warei Long	Regal Prince Columnar Oak
Tilia Cordata	Little Leaf Linden
Tilia Americana cv 'Redmond'	Redmond Linden
Ulmus Americana cv**	American Elm (disease resistant)
Ulmus Americana "Princeton"	Princeton American Elm
Ulmus "Regal"	Regal Elm

Please note that any tree from the small species list may be planted in wide terrace.

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Cv - abbreviation for Cultivar

City of Manitowoc
Trees Not Recommended For Street Tree Planting

- **Coniferous Trees (Such as Cedars, Pine, Spruce, etc.)** - dense crown creates visual obstacle
- **Nut and Fruit Bearing Trees** - potential for litter problem

- **The following specific varieties:**

Black Ash (*Fraxinus Nigra*) – subject to Emerald Ash Borer

Green Ash (*Fraxinus Pennsylvanica*) – subject to Emerald Ash Borer

White Ash (*Fraxinus Americana*) – subject to Emerald Ash Borer

Paper Birch (*Betula papyrifera*) - insect problems, weak wood, drought intolerant

Horse-chestnut, Buckeye (*Aesculus spp.*) - large nuts create a litter problem

Catalpa (*Catalpa speciosa*) - flower, fruit, and leaf litter problems, large root flare

Eastern Cottonwood (*Populus deltoides*) – known for the massive release of seed-bearing cotton

American Elm (*Ulmus americana*) - subject to Dutch Elm Disease (disease resistant American Elms are now available)

Siberian Elm (*Ulmus pumila*) - weak wood, large buttress roots

Black Locust (*Robinia psuedoacacia*) - weak wood due to borer problems

Box Elder Maple (*Acer negundo*) - weak wood, sprawling crown

Red Maple (*Acer rubrum*) - requires acidic and sandy soil, iron chlorosis problems

Silver Maple (*Acer saccharinum*) - weak wood, large buttress roots

Sugar Maple (*Acer saccharum*) - salt intolerant

Russian Olive (*Elaeagnus angustifolia*) - subject to phomopsis blight, sprawling crown

Black Walnut, Butternut Walnut (*Juglans spp.*) - large nuts create litter problem

City of Manitowoc
Street-Tree Terrace Planting
Permit

The undersigned property owner of the City of Manitowoc is granted a permit for the planting of street-plants or trees. Street plants or trees are those ~~trees~~ growing on land located between the curb and sidewalk, right-of-way lines, along boulevards, and all other areas owned by the City or to which the public has free access.

The undersigned property owner agrees to abide by all policies, procedures and guidelines regarding the plant or tree selection, placement and planting of street plants or trees as set by the City of Manitowoc.

The undersigned and all their heirs, executors, administrators, assigns and agents agree to hold the City of Manitowoc, their employees and agents harmless for any and all damages or personal injury claims occurring in connection with the above grant of permit. Further, any rights to any claims, demands, rights of causes of action, present or future, whether known, anticipated or unanticipated, resulting from or arising out of the planting of the plants or tree(s) by the undersigned, his assigns or agents is hereby waived. The undersigned assumes any and all risks which may arise out of or related to his actions.

Date: _____

Property Owner: _____

Address: _____

Corner Lot: Yes No

Home Phone: _____

Work Phone: _____

Plant(s)/Tree(s) #: _____

Location: _____

(Drawing indicating placement of plants or trees must be completed and attached to this permit.)

Species of Plants or Tree(s): _____

Lot Size: _____

Terrace Width: _____

Curb & Gutter Present: Yes No

Sidewalk Present: Yes No

Overhead Utilities Present: Yes No

Fire Hydrants Present: Yes No

Utility Pole Present: Yes No

**RESIDENTS MUST CALL DIGGER'S HOTLINE
AT LEAST 3 BUSINESS DAYS PRIOR TO PLANTING**

1-800-242-8511

(Please do not call this number until permit is approved & you are ready to plant.)

Record Digger's Hotline Assigned
Number: _____

All property owners requesting a planting permit are required to review the City of Manitowoc **Street Tree Terrace** Planting Policy. The Policy contains information regarding proper species selection, size requirements and suitable planting locations and exists for street **plant and** tree plantings in order to ensure a safe, sound, healthy, and long living urban forest. Additional assistance regarding **plant or** tree selection, planting and maintenance is available from the Parks **Department Division**.

I have read the attached City of Manitowoc **Street Tree Terrace Planting Policy and hereby agree to its terms.**

Signature

Permit Granted By: _____

Title: _____

Date: _____

This permit expires 90 days after date granted.

City of Manitowoc – Parks **Department Division**

2655 S 35th St.

Manitowoc, WI 54220

Office Hours: Weekdays 7 AM to 4 PM

Phone: 920-686-3580

Fax: 920-686-6525

E-mail: forestry@manitowoc.org

Website: www.manitowoc.org