

ADMINISTRATIVE MANUAL

APPENDIX 'X'

Tree Inventory, Tree Credit Units, Acceptable Tree Species, Prohibited Tree Species

SECTION 1: Tree Inventory

Pursuant to Section 6-4.2 (A), *Tree Inventory Required*, a tree inventory shall be completed as part of an application for a site plan permit and land disturbance permit. This inventory shall be in the following form:

1. An accurately measured tree survey to be undertaken and prepared by a registered land surveyor or as approved by the administrator. The survey should, at a minimum, contain the following:
 - (A) The location of all trees;
 - (B) Other relevant features, such as streams, buildings and other structures, and significant boundary features; and
 - (C) To be determined by the project designer, the approximate location of trees on land adjacent to the development site whose critical root zone extends onto the subject site.
2. The tree survey shall have an accuracy of plus or minus three (3) feet and shall overlay the site plan or plat at the same scale; it shall locate all heritage trees, historic trees, and any tree(s) ten (10) inches or greater in diameter. Likewise, this survey must depict any trees being saved and applied as part of the credit unit total (trees in this category shall have a minimum diameter at breast height (DBH) of three (3) inches. The diameter of trees shall be measured 4 1/2 feet above finished grade. Dead or diseased trees shall be identified, where possible.
3. Multi-stem or groups of trees located in close proximity (within five feet of each other) may be designated as a clump of trees with the predominant species being calculated by adding the diameter of each trunk at DBH and then dividing by the number of trunks that were added together.
4. Tree Protection Plan shall be shown on tree survey or as an overlay to the site plan or plot at the same scale and shall include the following:
 - (A) Trees selected for retention (marked in a manner showing retention);
 - (B) Trees to be removed (marked in a manner to dictate removal);
 - (C) The precise location for the erection of protective barriers and any other relevant physical protection;
 - (D) The Tree Protection Zone (TPZ) fencing (marked as a hatched polygon). As shown on the tree protection fence detail from City of Perry;
 - (E) The critical root zone of trees being protected;
 - (F) Any proposed structure that results in modifying existing site conditions must be marked on tree protection plan documents. Examples of this would be structures such as buildings, driveways, irrigation, walkways, and underground utility lines; and
 - (G) Typical Details provided by the City of Perry.
5. Market price per 4" caliper Heritage or Historic Tree replacement is \$400 and shall be paid to the City of Perry's Tree Fund.

SECTION 2: Tree Credits

Pursuant to Section 6-4.2 (B), *Tree Protection and Replacement*, all properties subject to the Section shall maintain a tree density of 12 tree credit units per acre excluding building footprint and athletic fields and courts (or pro rata portion). To that end, a landscape plan shall accompany the required inventory reflecting the manner in which the applicant intends to meet this objective via the retention, or installation, of trees meeting the requirements of the Ordinance and this Manual. Planted, replanted, or replaced trees shall have a minimum diameter of three (3) inches.

The following Tables shall apply:

TABLE A. Trees Saved:

Conversion from tree diameter in inches to tree density units for trees remaining on site

Diameter at Breast Height (inches)	Units	Diameter at Breast Height (inches)	Units
3	1.1	27	7.7
4	1.3	28	8.0
5	1.5	29	8.25
6	1.8	30	8.5
7	2.0	31	8.8
8	2.25	32	9.1
9	2.5	33	9.4
10	2.8	34	9.7
11	3.1	35	10.0
12	3.4	36	10.25
13	3.7	37	10.5
14	4.0	38	10.8
15	4.25	39	11.1
16	4.5	40	11.4
17	4.8	41	11.7
18	5.1	42	12.0
19	5.4	43	12.25
20	5.7	44	12.5
21	6.0	45	12.8
22	6.25	46	13.1
23	6.5	47	13.4
24	6.8	48	13.7
25	7.1	49	14.0
26	7.4	>50	14.25

TABLE B. Trees Planted, Replanted, or Replaced:

Conversion from tree diameter in inches to tree density units for proposed new trees

Caliper (inches)	Existing Units
Understory or Ornamental Trees	0.75
3	0.9
4	1.1
5	1.3
6	1.5
7	1.8
8	2.0
9	2.25
10	2.5
11	2.8
12	3.1
13	3.4
14	3.7

Example 1: One acre must be planted after the building footprint is excluded.

The developer saves:

3 ea. 10" diameter trees worth 2.8 credits = 8.4 credits.

1 ea. 16" diameter tree worth 4.5 credits = 4.5

credits. Total credits: 12.9

The site has met the 12 required credits by preserving four existing trees on the property after the development is complete. No new trees are required to be planted.

Example 2: One acre must be planted after the building footprint is excluded.

The developer saves:

2 ea. 6" diameter trees worth 1.8 credits = 3.6 credits.

1 ea. 10" diameter tree worth 2.8 credits = 2.8

credits. The developer plants:

7 ea. 3" diameter trees worth .9 credits = 4.5 credits.

Total credits: 12.7

The site has ten trees, 3 existing and 7 new, on the acre after the development is complete.

SECTION 3: Acceptable Tree Species**TABLE C. Acceptable Shade Tree Species**

The administrator reserves the right to accept additional species that are not listed below

* Denotes Native Species

Native species are preferred because they are best for our soils and climate, attract a variety of wildlife, provide food and shelter for many species, require less care and watering, thrive with less fertilizer and disease control.

Common Name	Botanical Name
Ash, Green*	Fraxinus pennsylvanica
Ash, Green Georgia Gem*	Fraxinus pennsylvanica 'Oconee'
Ash, Green Patmore*	Fraxinus pennsylvanica 'Patmore'
Ash, Green Urbanite*	Fraxinus pennsylvanica 'Urbanite'
Ash, White*	Fraxinus americana
Bald Cypress*	Taxodium distichum
Blackgum*	Nyssa sylvatica
Chinese Pistache	Pistacia chinensis
Elm, Allee	Ulmus parvifolia 'Emer II'
Elm, Athena	Ulmus parvifolia 'Emer I'
Elm, Bosque	Ulmus parvifolia 'UPMTF'
Elm, Drake	Ulmus parvifolia 'Drake Chinese Elm'
Elm, Lacebark	Ulmus parvifolia 'Chinese Lacebark Elm'
Elm, Princeton*	Ulmus americana 'Princeton'
Elm, Slippery *	Ulmus rubra
Elm, Winged	Ulmus alata
Ginkgo, Male Only	Ginkgo biloba
Hackberry*	Celtis occidentalis
Kentucky Coffeetree	Gymnocladus dioicus
Linden, Littleleaf Greenspire	Tilia cordata
Maple, Autumn Blaze	Acer x freemanii 'Jeffers Red'
Maple, Red Autumn Flame*	Acer rubrum Autumn Flame
Maple, Sugar	Acer saccharum 'Northern Sugar Maple'
Maple, Sugar Green Mountain	Acer saccharum 'Green Mountain'
Maple, Sugar Legacy	Acer saccharum 'Legacy'
Oak, Swamp White	Quercus bicolor
Oak, Darlington Laurel	Quercus hemisphaerica 'Darlington'
Oak, Live*	Quercus virginiana
Oak, Nuttall	Quercus nuttalli
Oak, Overcup*	Quercus lyrata
Oak, Pin	Quercus palustris
Oak, Sawtooth	Quercus acutissima
Oak, Scarlett *	Quercus coccinea
Oak, Shumard *	Quercus shumardii

Oak, Southern Red *	Quercus falcata
Oak, White*	Quercus alba
Oak, Willow *	Quercus phellos
Oak, Willow Hightower*	Quercus phellos 'QPSTA'
Oak, Willow Wynstar*	Quercus phellos 'QPMTF'
Pistachio, Chinese	Pistachia chinensis
Planetree, London Bloodgood	Platanus x acerifolia 'Bloodgood'
Plantetree, London Yarwood	Platanus x acerifolia 'Yarwood'
River Birch*	Betula Nigra
Sycamore*	Platanus occidentalis
Sourwood*	Oxydendrum arboreum
Tulip Poplar*	Liriodendron tulipifera
Yellowwood	Cladrastis kentukea
Zelkova, Green Vase	Zelkova serrata 'Green Vase'
Zelkova, Myrimar	Zelkova serrata 'ZSFKF'
Zelkova, Village Green	Zelkova serrata 'Village Green'

TABLE D. Acceptable Ornamental or Understory Street Tree Species

The administrator reserves the right to accept additional species that are not listed below.

To be accepted as an ornamental or understory street tree the plant must be properly pruned and maintained in a tree like form.

* Denotes Native Species

Native species are preferred because they are best for our soils and climate, attract a variety of wildlife, provide food and shelter for many species, require less care and watering, thrive with less fertilizer and disease control.

Common Name	Botanical Name
American Hornbeam *	Carpinus caroliniana
Cherry, Dreamcatcher	Prunus 'Dream Catcher'
Cherry, Pink Autumn	Prunus subhirtella 'Autumnalis Rosea'
Crape Myrtle	Lagerstroemia indica
Dogwood, Flowering*	Cornus florida
Dogwood, Kousa	Cornus kousa
Dogwood, Pink Flowering*	Cornus florida rubra
Fringetree*	Chionanthus virginicus
Fringetree, Chinese	Chionanthus retusus
Fosters Holly	Ilex x attenuata 'Fosteri'
Holly, Emily Bruner, 'Tree Form'	Ilex x'Emily Bruner'
Holly, East Palatka, 'Tree Form'	Ilex x attenuate 'East Palatka'
Holly, Foster No. 2, 'Tree Form'	Illex x attenuata 'Foster No. 2'
Yaupon Holly*	Ilex vomitoria
Magnolia, Saucer	Magnolia x soulangiana

Magnolia, Star	Magnolia stellata
Sweetbay Magnolia	Magnolia virginiana
Maple, Trident	Acer buergeranum
Redbud, Eastern*	Cercis canadiensis
Redbud, Eastern White *	Cercis canadiensis var. alba
Redbud, 'Forest Pansy' *	Cercis canadiensis 'Forest Pansy'
Downy Serviceberry *	Amelanchier arborea

TABLE E. Acceptable Evergreen Screen/Buffer Tree Species

The administrator reserves the right to accept additional species that are not listed below.

* Denotes Native Species

Native species are preferred because they are best for our soils and climate, attract a variety of wildlife, provide food and shelter for many species, require less care and watering, thrive with less fertilizer and disease control.

Common Name	Botanical Name
Deodar Cedar	Cedrus deodara
Eastern Red Cedar*	Juniperus Virginiana
American Holly (cultivar)*	Ilex Opaca ‘Varied Cultivars’
Southern Magnolia*	Magnolia grandifolia
Magnolia, 'Little Gem'*	Magnolia grandiflora ‘Little Gem’
Japanese Cedar	Cryptomeria japonica
Green Giant Arborvitae	Thuja ‘Green Giant’
Fosters Holly	Ilex x attenuata 'Fosteri'
Burford Holly	Ilex cornuta ‘Burfordii’
Nellie R. Stevens Holly	Ilex x 'Nellie R. Stevens'
Yaupon Holly*	Ilex vomitoria
Hollywood Juniper	Juniperus chinensis
Waxy Leaf Ligustrum	Ligustrum japonicum
Chinese Fringe Flower	Loropetalum chinense
Wax Myrtle*	Myrica cerifera
Chinese Evergreen Oak	Quercus myrsinifolia
Tea Olive	Osmanthus fragrans

SECTION 4: Prohibited Tree Species

TABLE F. Prohibited Trees

The following trees shall not be used in the City of Perry:

Species	Reason
Ailanthus	Weak wood, invasive, littersome
Black locust	Weak wood, pests
Box elder	Weak wood, pests
Callery Pear, Bradford Pear	Weak wood, invasive

Appendix 'x' – Tree Protection; Landscaping, Buffering and Screening

Carolina Cherry Laurel	Invasive
Chinaberry	Weak wood, littersome
Female Ginkgo	Littersome, odorous fruit pods
Mimosa	Weak wood, invasive
Morus spp.	Weak wood, littersome, invasive
Poplar spp.	Weak wood, pests
Silver maple	Weak wood
Siberian elm	Weak wood