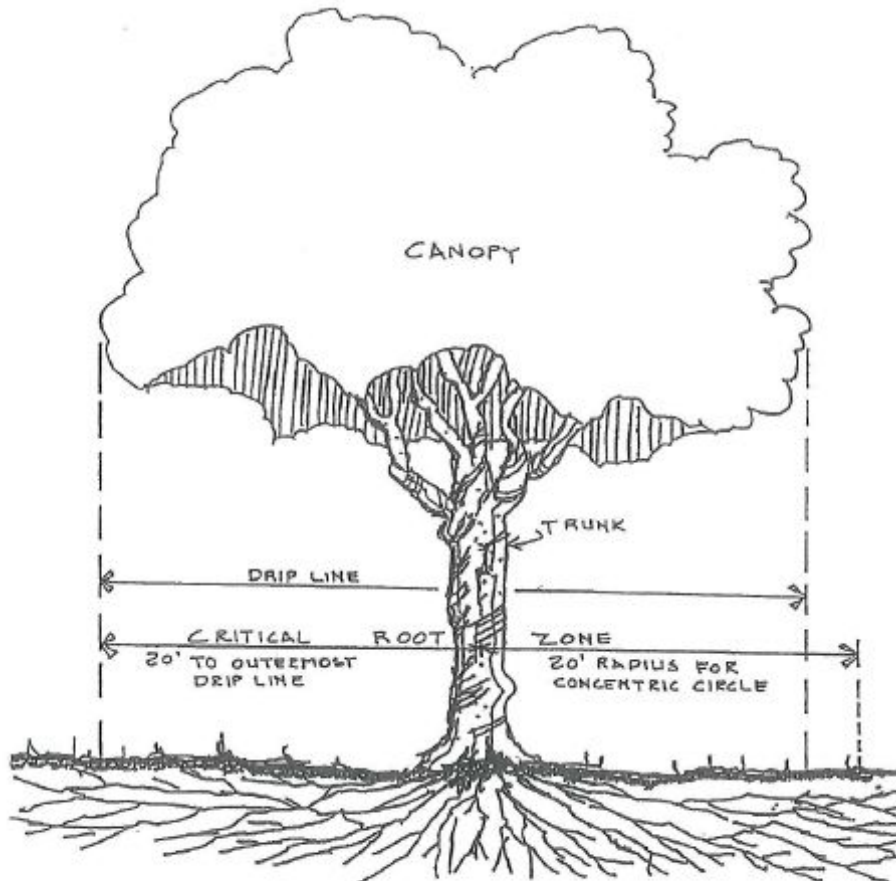


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14A Attachment 1

City of Ovilla

Appendix A. Tree Exhibit

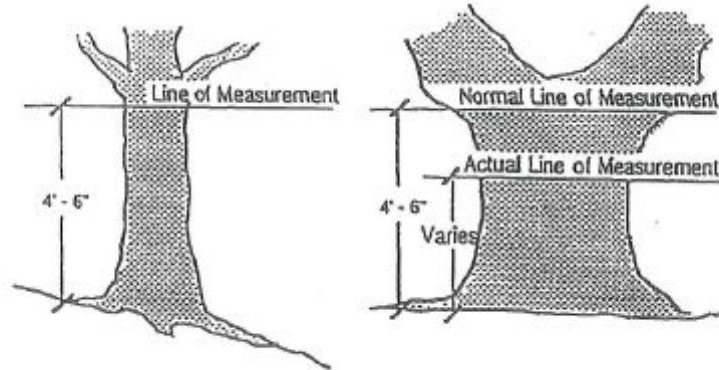


Critical Root Zone (CRZ): The area of undisturbed natural soil around a tree defined by a concentric circle with a radius equal to the distance from the trunk to the outermost portion of the dripline.

Drip Line: A vertical line run through the outermost portion of the canopy of a tree and extending to the ground.

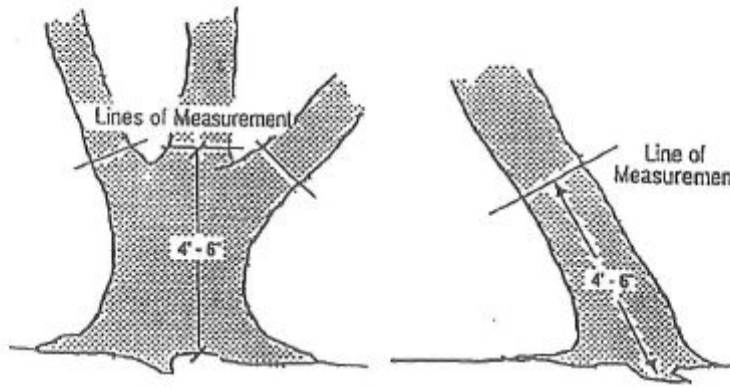
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Appendix B. Tree Diameter Measurement



ON A SLOPE

IRREGULAR SWELLING
(requires discretion by
Landscape Administrator)



MULTI-TRUNK TREE

LEANING TREE

Source: COA

Diameter Measurement: The diameter of a tree shall be measured as shown above. The diameter of a multi-trunk tree shall be the total diameter of the largest trunk plus half the diameter of each additional trunk.

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Appendix C.

Quality Trees

<u>Common Name</u>	<u>Botanical Name</u>	<u>Identification Notes</u>
Pecan	<i>Carya illinoensis</i>	Pecan fruit, compound leaves
Cedar Elm	<i>Ulmus crassifolia</i>	Deciduous, 1"-2" dark green leaves
Shumard Red Oak	<i>Quercus shumardii</i>	Deep pointed lobes in leaves
Texas Red Oak	<i>Quercus texana</i>	Vertical multi-trunk shape
Live Oak	<i>Quercus virginiana</i>	1-1/2" dark green pointed leaves
Bur Oak	<i>Quercus macrocarpa</i>	Large acorn, leaf boarder at end
Post Oak	<i>Quercus stellata</i>	Deep lobes, rounded tip on leaf
Black Jack Oak	<i>Quercus marilandica</i>	Leathery 3"-7" leaf, no lobes
Lacebark Elm	<i>Ulmus parvifolia</i>	Small dark serrated green leaves
Chinese Pistache	<i>Pistacia chinensis</i>	3" sickle leaflets, fall color
Sweetgum	<i>Liquidambar styraciflua</i>	Star shaped leaf
Austrian Pine	<i>Pinus nigra</i>	Two needles
Chinquapin Oak	<i>Quercus muhlenbergii</i>	Oblong 4"-6" serrated leaf
Southern Magnolia	<i>Magnolia grandiflora</i>	Large evergreen leaf, white flower
Bald Cypress	<i>Taxodium distichum</i>	Feather-like foliage, fall color
Caddo Maple	<i>Acer barbatum</i> 'Caddo'	Five-lobed leaf
Texas Hickory	<i>Carya texana</i>	Five leaflets, 1"-2" nut
Western Soapberry	<i>Sapindus drummondii</i>	18" compound leaf, 1/2" clear fruit
Red Cedar	<i>Juniperus virginiana</i>	Native, pyramidal shape

Marginal Trees

<u>Common Name</u>	<u>Botanical Name</u>	<u>Identification Notes</u>
Cottonwood	<i>Populus deltoides</i>	Deep fissures in bark, heart shape leaf
Mesquite	<i>Prosopis glandulosa</i>	Lacy open foliage, 10" bean fruit
American Elm	<i>Ulmus americana</i>	'V' shaped main branching
Slash Pine	<i>Pinus elliotti</i>	Tall cylindrical shape
Honeylocust	<i>Gleditsia triacanthos</i>	Lacy foliage, thornless variety only
Japanese Black Pine	<i>Pinus thunbergii</i>	Twisted growth, dark green needles
Deodar Cedar	<i>Cedrus deodara</i>	Large pyramidal evergreen

Understory Trees

<u>Common Name</u>	<u>Botanical Name</u>	<u>Identification Notes</u>
Redbud	<i>Cercis canadensis</i>	Purple/white flower in spring
Mexican Plum	<i>Prunus mexicana</i>	White flower, exfoliated bark, thorns
Possumhaw Holly	<i>Ilex decidua</i>	Showy orange/red fruit, deciduous
Golden Raintree	<i>Koelrutaria paniculata</i>	Yellow flower, paniced fruit
Yaupon Holly	<i>Ilex vomitoria</i>	Evergreen, light bark, red fruit
Cherry Laurel	<i>Prunus caroliniana</i>	Glossy evergreen foliage, shrubby
River Birch	<i>Betula nigra</i>	White flaky bark
Eves Necklace	<i>Sophora affinis</i>	Dull green tear-dropped shape leaf
Persimmon	<i>Diospyros virginiana</i>	Thin, smooth, pale grey bark
Rusty Blackhaw	<i>Viburnum rufidulum</i>	Glossy, dark green leaved, white flowers
Wax Myrtle	<i>Myrica cerifera</i>	Light olive-green leaves, pale blue berries

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Appendix D. List of Items Required on Tree Survey

1. Appropriate Title (i.e. Tree Removal Exhibit, or Tree Survey).
2. Title block which includes street address, lot and block, subdivision name, city and date of preparation.
3. North arrow, graphic and written scale in close proximity.
4. Scale at a size no larger than 1" = 100' for residential development; scale to be determined by the Landscape Administrator for nonresidential and home building activities.
5. Name, address and phone of owner and person preparing the document.
6. Location of all right-of-way lines and public easements.
7. Location of all buildings, structures, pools, parking and other improvements which are existing or intended on the lot.
8. Areas of cut/fill with amount of each shown and flow lines shown.
9. Existing and proposed spot elevations, grades and major contours, along with existing landscaping, streams, ponds and major natural features.
10. Areas of no disturbance labeled as "No Disturbance Area." This area must be clearly marked on the plan and surrounded with protective fencing on the ground. A single incidence removal of underbrush and vines is allowed.¹
11. All protected trees shown individually on the plan.² Canopy Trees 6" or greater in size and Understory Trees 2" or greater in size. Trees in close proximity that all have a caliper of less than four inches (4") may be designated as a group of trees with quantity of quality, marginal and understory trees shown. (see Appendix C)
12. The location of protected trees must be tied by horizontal control (i.e. dimensions from lot lines, or placed through coordinates determined via survey.)
13. All protected trees shown with diameter (4.5' from the ground), common name and condition.
14. Any proposed replacement trees shown with caliper size, common name of tree and mature size.
15. Graphic representations distinguishing protected trees that will be saved versus those that will be removed.
16. Phasing of tree survey along with phasing of the development is permitted.

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Notes:

¹ The Landscape Administrator shall have the authority to designate areas as “no disturbance” areas where a survey would not be required due to no intended construction.

² An area may be designated as a “No Disturbance Zone” on the plan when approved by the Landscape Administrator and trees within that zone are not required to be individually identified on the plan.

³ The Landscape Administrator shall have the authority to exempt any of the above items that he deems to be not applicable.

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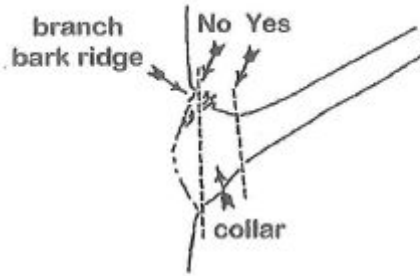
Appendix E. Construction Plan Requirements

The following shall be required as a part of all construction plans submitted to the City when tree removal or tree protection is required during any phase of site work or construction.

1. A Tree Preservation Detail Sheet shall include the following at a minimum.
 - a. The requirements of Section L.2 to L.4 shall be noted.
 - b. A graphics legend to be used throughout the plans for the purposes of showing the following: Trees to be flagged, protective fencing, trees requiring bark protection, boring, areas of cut and fill impacting protected trees.
 - c. Graphic tree exhibit showing the features of a tree to include the critical root zone, trunk, canopy, drip line and method of diameter measurement (per Appendices A & B).
 - d. Graphic exhibits showing methods of protection to include snow fences, boarded skirts, etc.
 - e. Graphic exhibits showing construction methods to include grade changes, boring, trenching etc.
 - f. Graphic exhibit showing appropriate pruning practices (per Appendix F).
2. All practices which will be employed in meeting the requirements of this ordinance shall be shown graphically on all applicable sheets within the construction plans.
3. Documents as required in Appendix D herein.

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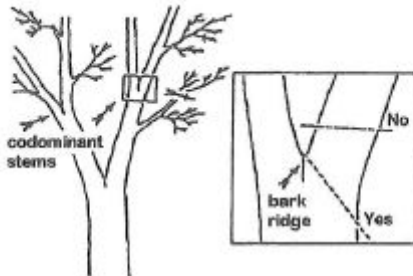
Appendix F. Tree Pruning Recommendations



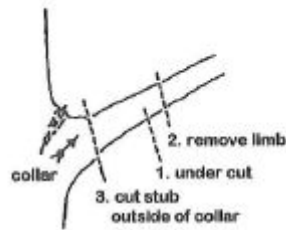
When removing a branch, always cut outside the branch bark ridge and collar. Do not make a flush cut.



Branches that do not have a distinct collar should be cut at a right angle to the branch outside the branch bark ridge.



Trees may have codominant stems, as shown on the left. If a codominant stem must be removed, cut at an angle outside of the bark ridge as shown in the insert at right. Avoid leaving any stub.



When removing heavy limbs, first make an undercut several inches outside of the collar. Then remove limb by a second cut an inch or so outside of the first cut. Remove stub with a third cut just outside of the collar. (Feucht, 1985)

(Ordinance 2010.013 adopted 6/14/10)