

Changes in Use of Property Redevelopment or

Compliance with landscaping provisions of the Code is required for:

- square feet or 35% of the existing developed square feet if redevelopment exceeds 4000 existing developments of less than 50,000 square footage of the site [30-251(4)(b)
- feet, although threshold criteria for landscape compliance differ from those listed above [30properties that are larger than 50,000 square redevelopment of shopping centers and
- nonresidential use, or any other change of use any new use of property that alters the use of of property to that of religious assembly [30existing structures from a residential to



Additional Information

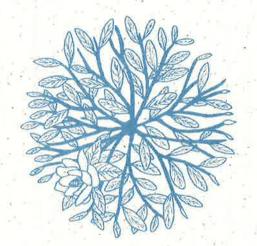
Landscaping placement. Landscaping is required in three specific areas of each development:

- Stormwater retention basins, 25% of the basin area (including shoulders) must be [andscaped [30-251(2)(b)iii].
- vehicular use areas will be shaded within placements are regulated so 50% of the Parking areas. Landscaping and tree 20 years (30-252).
- along street frontages and between properties with differing uses. Buffer widths and plant requirements are determined by consulting Buffers. Landscaped buffers are required the Buffer Matrix (30-253)

sidewalks are added to tree islands, island size must the minimum dimension being 9' [30-251(2)a]. If won't grow well and may damage pavement. Tree islands in parking lots must be at least 140 ft² with Root space. Without adequate root space, trees be increased so the minimum area is maintained. Tree diversity. To encourage plant diversity in the shade trees shall be of the same genus [30-251(2)f]. urban forest, no more than 50% of the required

Plant quality. For your protection against liability oased on size. Florida Grade #1 material costs no forest, only Florida Grade #1 (or better) Nursery and to ensure the long-term health of the urban stock may be planted (30-265). Plant prices are nore than inferior quality grades.

Everyone's property values and quality of life are enhanced when landscaping is done well and valuable trees are preserved.





Gainesville's Tree Canopy—An Important Resource



in parentheses refer to sections of the Land Development Code. new trees. This brochure summarizes basic requirements for landscaping and tree protection. Numbers The Gainesville Land Development Code requires you to preserve as many trees as possible and to plant that a mature oak provides the cooling equivalent of five heavy-duty air conditioners running full-time. that trees increase the value of a property from 3.5 to 27%. American Forestry Association data show tree canopy. It's in everyone's best interest to preserve trees on a development site. Research has shown the National Arbor Day Foundation. One requirement we must meet is having ordinances that protect our Since 1984, Gainesville has been honored as a Tree City USA. Every year this certification is reviewed by

Developing Your Plans

ment review. detailed plans for your project to submit for develop-After meeting with First Step staff, you will develop



Design Considerations

fied in the Code [30-251(7)]. Every effort should be Properties and landscaping should be designed in accordance with the principles and standards speci-

- Preserve existing native trees, shrubs and wildlife habitat.
- mental features. Development is not permit-Integrate development with existing environgreater in some cases [30-302(a, b)]. wetlands or creeks. This distance may be ted within 35' of lakeshores, sinkholes
- Maximize energy conservation.
- adapted to the site environment and that will not require excessive irrigation to look good. Landscape with trees and shrubs that are Use native species as often as possible.



Basic Planning Requirements

and benefit Gainesville's urban forest. to save trees that add to the value of your property parking areas, and stormwater management facilities Plan the locations of buildings, utilities, lighting, signs.

Concept Plans [30-160(b)] must show:

- canopy outlines of major tree stands and large trees.
- proposed locations of buildings; access roads, and parking lots.

Preliminary Plans [30-160(d)] must include:

- creek setbacks, and flood zone elevations. lands, and other natural features, required a topographic map depicting creeks, wet-
- Pines, which are regulated at 12"). (8" plus for all trees except Slash and Loblolly a tree survey identifying all regulated trees
- vs. Laurel Oak), it is in your best interest to are more durable than others (e.g. Live Oak 251(1)]. Because some trees live longer and developed area is devoted to landscaping [30 and demonstrating that at least 20% of the existing trees, trees to be saved or removed a generalized landscape plan showing

attention during review. trees (defined in 30-258) are given special scape plan, not just "oak" or "pine". Heritage use full names on the tree survey and land-

architect include their familiarity with Code require landscape installation contract. planting practices, and having an expert to oversee the ments, knowledge of suitable plant materials and State of FL. Advantages of working with a landscape engineer, or by a landscape architect registered in the can be designed by the property owner, project with Code sections 30-251 through 30-253. The plan [30-160(e)] must have a landscape plan that complies Final Plans (or combined preliminary and final plans

problems that are very expensive to correct. Poorly installed landscaping may create future Your landscaping investment must be maintained

Property Clearing Begin?

building permits requiring their 251; 30-259). No trees may be taken down until the site and landscape plans have been approved (30 No clearing, grubbing or construction may begin until

The City Arborist and be in place and inspected permits have been secured appropriate tree removal (30-254). Tree barricades must removal have been issued, or

than those indicated on the approved landscape plan. must be contacted if more trees are to be removed **Current Planning Division**



Trunk Protection Mulch Rings and

and perimeter areas completely. Protect the trunks of irea excavated for planting. Avoid placing mulch over physical damage by mowers and string trimmers with and disease organisms. Mulch shrub beds in border the root ball néar the trunk as this encourages fungi water. Apply 4" of organic mulch in a ring over the After the tree is planted, mound a ring of soil 3"-4" deep around the perimeter of the hole to collect rrees outside of mulched landscape beds from 12" of 4" diameter plastic drain tubing.



Proper Pruning

Florida Grade #1 standards require that no more than 40% of tree trunks be free of foliage, so trees must not be limbed up until they are well established. Do not collar on any branches to be removed. Again, prune oranches of any tree. Prune to preserve the branch op or cut back the primary shoot and/or major Avoid pruning newly installed trees and shrubs. only after trees are adapted to the site

Section 30-265c of the Gainesville Land Development Code specifically prohibits trimming or pollarding crowns and branches of trees into rounded forms. This manner of pruning compromises the healthy structure of the trees and prevents them from achieving the shading and screening requirements set forth in the Code.



Staking

Remove all nursery stakes, labels and tie ribbons at require the trees to be staked. Use biodegradable Form and the landscape plan will specify who will the time of planting. The landscape contract may wine for guy lines. The Maintenance Agreement emove the staking within one year.



Watering

Contractors

installed trees. Trees should therefore have their own and generally do not supply sufficient water for newly areas or automatic irrigation systems. If an automatic Plants require sufficient water. The Landscape Code system is specified on the landscape plan but is not installed, the plans must be red-lined to show hose irrigation systems are designed for turf and shrubs, bubblers, or should receive supplemental watering specifies hose bibbs within 100 feet of landscaped oibbs within the prescribed distance. Automatic with hoses during the establishment period





Landscape Installation Guidelines for Contractors

be followed Division before your client's Certificate of Occupancy is granted. Good planting practices as outlined below must landscape materials. You must comply with the Land Development Code and must pass inspections by the Parks This pamphlet provides landscape contractors with information about City guidelines for the installation of



On-Site Review Before Plant Purchase

receive a Maintenance Agreement Form from the for guaranteeing the survival of required trees Parks Division that will specify who is responsible compatible with infrastructure on the site. You will be a field check to make sure the landscape plan is before any plants are purchased. This meeting will with an inspector from the Parks Division (334-2171) Schedule an on-site review of the landscape plan

Approved Landscape Plan Changes to the



on the red-stamped, approved copy of the site approved landscape plan. Occasionally, changes plan, which you must take to Current Planning for can be red-lined and initialed by Parks Division staff tinal approva The landscaping you install should comply with the





Selection and Proper **Planting of Materials**

from further cost, proper installation techniques are project pass the landscape inspection. essential. These planting guidelines will help your requirements are not met. To protect your client Supplemental plantings will be required if these Shrubs in border and perimeter areas must provide a lot trees shade 50% of paved areas within 20 years. 75% visual screen at least 3 feet high within 3 years The Land Development Code requires that parking

approved. Florida statutes require Grade #1 trees to 8 feet tall, 1.5-2.0 inches in trunk caliper, healthy, and be tagged or labeled as such on the delivery invoice. with too small a root ball or girdling roots will not be free of diseases or wounds. Pot-bound trees or trees Division of Plant Industry's publication Grades & Standards For Nursery Plants. Trees must be at least Nursery Stock or better, as defined by the Florida Quality. All plants must be Florida Grade #1

> a sharp tool. compacted soil in the walls of tree spade holes with Sides of the holes should slant outward. Roughen ball is high and twice the diameter of the container Proper Holes. Dig holes only as deep as the root

not be covered with any soil. Mulch will protect roots wet sites. The upper surface of the root ball should from drying out. flare is flush with the soil surface or slightly higher or Planting depth. Plant trees and shrubs so the trunk

to sunlight and air Remove all synthetic burlap. Minimize root exposure expose at least the upper 1/3-1/2 of the root ball remove wire baskets and cut or pull down burlap to and binding wire from balled-in-burlap plants. Cut or plants. Remove synthetic (e.g. nylon) straps or cords outer surface of the root ball of container-grown circling roots and make 3-4 vertical cuts through the Breaking Root Balls. With a hand pruner sever an

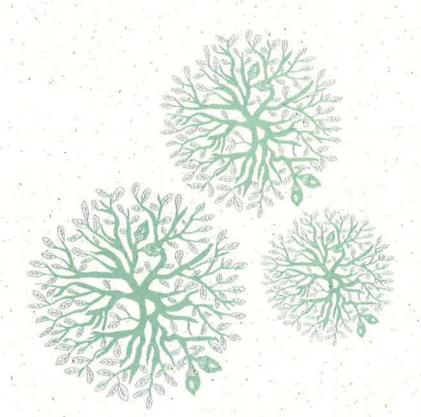
or curbing 10 feet from a building or 4 feet from paved areas Tree placement. Plant shade trees no closer than

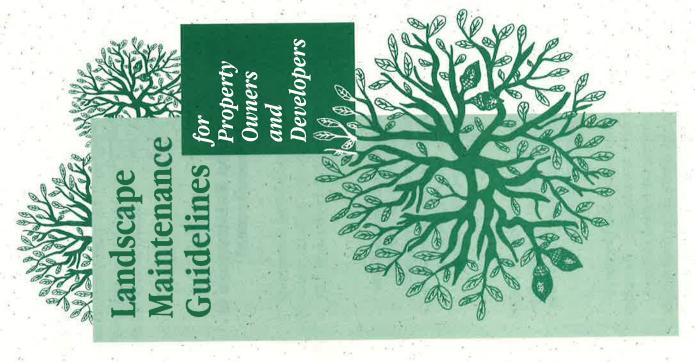
prevent the roots from drying out and dying materials at installation to remove air pockets and to Installation Watering. Thoroughly water all plant





Maintaining the landscaping and the irrigation system on your property is a Code requirement. Plan now to protect this part of your investment by providing the kind of aftercare that results in thriving plants and a beautiful landscape.





City of Gainesville Recreation & Parks Department Parks Division Gainesville, Florida, (352) 334-2171



Congratulations!

Your development has successfully passed the final landscape inspection, a requirement for the Certificate of Occupancy. City ordinances require that you protect and maintain the trees and shrubs that were planted.



a Code Requirement

The trees and shrubs that have been planted bring your site into compliance with City Codes. You should be particularly aware of City Code Section 30-265b, which states:

"Within six (6) months of a determination of the County Forester, City Arborist, or other city-designated qualified specialist, that a required tree or plant is severely damaged or diseased, the tree or plant shall be replaced by the owner/developer in accordance with the standards specified in this article."

These standards require replanting with trees that are at least 8' tall and Florida Grade #1 Nursery Stock or better. The average planted cost of a Grade #1 tree in a 30-gallon container is about \$120.

Trees removed without permits must be replaced with trees 14' tall and 3" in trunk caliper. The average planted cost for a tree this size is about \$250, so it pays to keep your trees healthy and to check with the Parks Division if you think you need to remove any tree from your property.



Plant Guarantees

The plants installed to meet the approved landscape plan may have a guarantee that depends on your landscape maintenance contractor providing appropriate aftercare. Be sure all parties are aware of their responsibilities.



Proper Aftercare

Frequent Checkups. Landscape maintenance personnel should inspect plants periodically for signs of disease, physical damage, or lack of water. "Weed-eater blight" (cutting the bark on young trees with string-trimmers during routine lawn maintenance operations) frequently kills young trees.

Irrigation. Trees need water during the establishment period.

Weeks 1-4: 3 gallons/day
Weeks 5-12: 3 gallons, 3 times/week

Since trees require more water than shrubs, the irrigation system should include bubblers at the base of each tree; another option is to arrange for supplemental hose watering.

Staking Trees. If newly planted trees don't lean, they don't need staking. In fact, they will develop better without it. If the installation contractor was required by the contract to stake the trees, be sure the stakes are removed within the first year. Failure to remove stakes will cause the trunks to become girdled by guy lines, which eventually will result in tree death and replanting costs.

Trunk Protection. Instruct your landscape contractor to maintain the mulch rings around individual trees. Protect trees from mower and string-trimmer damage by sleeving the lower 12" of the trunks with sections of 4" plastic drain tubing slit up one side.

Fertilization. Fertilize your plants every 4-6 months to keep them healthy and thriving.

Pruning. Most of the trees planted on your site were required to meet Code shading provisions. Newly planted Grade #1 trees don't generally need any pruning whatsoever. Rounding the crowns of trees for so-called aesthetic purposes is specifically prohibited by Code Section 30-265c:

"The excessive pruning or pollarding of trees into round balls of crowns or branches, which results in an unnecessary reduction of shade shall be prohibited, and may require supplemental plantings."

Florida Grade #1 standards require that no more than 40% of the trunk be free of branches. Instruct landscape maintenance personnel not to limb trees too high or thin out the foliage along branches. These styles of pruning severely compromise the healthy growth structure of young trees and will prevent them from achieving the shading requirements specified by the Code.