

Main Campus Urban Forest and Landscape Management Policy

Policy Statement:
Clemson University is committed to providing a safe, attractive, educational and sustainable campus urban forest that faculty, staff, students, and guests can use as a resource for teaching and learning as well as for respite and recreation. This Main Campus Urban Forest and Landscape Management Policy enables that commitment through the following requirements:

- The Division of University Facilities is authorized to promulgate and enforce procedures and requirements for achieving the purpose of this policy and its implementation ("Main Campus Urban Forest and Landscape Management Plan.")
- All projects, utility modifications, and landscape/hardscape improvements in which trees on University property may be affected shall comply with the Main Campus Urban Forest and Landscape Management Plan.
- This policy does not apply to the University Forest Lands, Research & Education Centers or any other University owned property separate from the main campus.

Purpose:
The University has an aspirational goal of maintaining a zero net loss of tree canopy on its main campus, to the extent possible, through preservation of existing trees and new tree plantings, to retain the maximum aesthetic and functional benefits provided by the multi-aged landscape tree population.

The thousands of large trees on the main campus are the most significant source of the acknowledged beauty of the University grounds. However, many activities and prohibited practices of employees, students, visitors, and contractors can and have caused tree damage, decline, and death.

Trunk and branch damage is caused by cutting, breaking, or attaching objects to them. Root damage, especially in the critical root zone (the area from the trunk extending in all directions for a distance 1.5 times the branch spread) can be even more serious. Damage is caused by vehicle traffic and parking, excavation, utility installation, material storage, etc.

As development of the campus becomes denser, the potential for such impacts will increase. For this reason, all construction/renovation projects shall be carefully reviewed early in the planning process, during the design process, and during the construction process to consider potential impacts on existing trees, damage prevention and/or mitigation approaches, or the necessity of tree removal and replacement. The University has an active landscape tree management, maintenance, and replacement program, and this policy establishes tree protection/preservation as an integral part of that program.

Responsible Department: Division of University Facilities

Approval Date:
May 4th, 2015 – Approved by Administrative Council

Published Location of this Policy:
<http://www.clemson.edu/facilities/about/policies.html>

Main Campus Urban Forest & Landscape Management Plan Guidelines and Procedures

These Guidelines and Procedures are in accordance with Clemson University Main Campus Urban Forest and Landscape Management Policy

Guideline:

A tree may be considered for removal for the following reasons: It is determined to be dead or diseased beyond preservation; its location, condition, or deterioration constitutes a safety hazard; its location affects the preservation and maintenance of adjacent buildings; the tree is damaged from the elements or disease to the extent that its appearance is unduly affected; its location is determined to be an obstruction or hazard to utility lines; its location interferes with the construction of facilities and associated site development; or for other appropriate reasons. The determination of trees meeting the above conditions is the responsibility of the Director of the Landscape Services.

Prohibited Practices & Damage Assessment & Penalties:

- Nailing, bolting, using trees as anchorage for ropes, power lines, cables, etc.
- Cutting, breaking, skinning and abrasion of roots, branches and bark.
- Damage or removal of the tree protection fencing without approval from the University Arborist.
- Unauthorized filling, excavating, trenching or auguring within "protected root zone".
- Compaction/driving/parking over the "protected root zone".
- Storage of any materials or vehicles within the "protected root zone".
- Dumping of construction waste or materials (including liquids) within the "protected root zone".
- Unauthorized removal or relocation of woody plants.
- Performing University Arborist responsibilities as indicated above.

The penalty for damage to trees will be assessed and fines levied up to 100% of the value listed below:

1" – 3" caliper	\$200/ inch
3" – 6" DBH	\$300/ inch
6" – 9" DBH	\$400/ inch
9" – 12" DBH	\$500/ inch
12" – 15" DBH	\$600/ inch
15" DBH or more	\$700/ inch

For construction projects, the University Project Manager is responsible for monitoring the site and reporting any prohibited practices and damage during the construction process to the University Arborist. The University Arborist will also make periodic site visits. Damage to University trees will include, but not limited to, any of the prohibited practices listed above and will be determined by the Director of Landscape Services or University Arborist. The University Arborist will notify the Project Manager of the damage assessment. The Project Manager will

NOTES:

- ALL TREES SLATED FOR REMOVAL & SUITABLE FOR TREE HARVEST ARE TO BE HARVESTED AND SAVED FOR USE BY CLEMSON UNIVERSITY AT LEHOTSKY.
- SEE CIVIL PLANS FOR TREE PROTECTION PLAN.
- TREES USED FOR HARVESTING ARE TO REMAIN IN LOG FORM AND NOT MILLED UNTIL DIRECTED BY ARCHITECT AND / OR LANDSCAPE ARCHITECT.
- ANY BRANCHES OVER 8" NEED TO BE TRIMMED OF ALL LEAVES AND SMALLER BRANCHES. CONTRACTOR TO VERIFY ALL LOGS AND BRANCHES FOR HARVESTING WITH CLEMSON UNIVERSITY AND LANDSCAPE ARCHITECT. NO BRANCHES UNDER 8" TO BE HARVESTED. LOGS TO BE KEPT AS LONG AS REASONABLE FOR TRANSPORT TO TIDEWATER LUMBER. PREFERENCE IS A MIN. OF 6' LOG LENGTH.
- CONTRACTOR TO COORDINATE WITH ARCHITECT, LANDSCAPE ARCHITECT, CLEMSON UNIVERSITY REPRESENTATIVE AND TIDEWATER LUMBER (864.987.9653) ON HARVESTING. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT A MIN. OF 48 HOURS PRIOR TO TREE REMOVAL.
- LANDSCAPE ARCHITECT / CLEMSON UNIVERSITY REPRESENTATIVE TO BE ON SITE DURING TREE HARVESTING PROCESS.
- HARVESTED TREES FOR LEHOTSKY ARE TO BE DELIVERED TO TIDEWATER LUMBER AT 596 ANDERSON RIDGE RD., GREER SC.
- TIMBERTECH TREE MANAGEMENT COMPANY (864.288.8208) IS PREFERRED CONTRACTOR TO HARVEST TREES FROM SITE.
- ANY TREES WITH SIGNIFICANT DISEASE OR INTERIOR ROT WILL NOT BE HARVESTED. ANY TREES/ LIMBS WITH SIGNIFICANT BENDS OR CURVES MAY NOT BE SUITABLE FOR HARVEST. LANDSCAPE ARCHITECT AND CLEMSON UNIVERSITY REPRESENTATIVE TO EVALUATE PRIOR TO SENDING LOGS TO TIDEWATER.
- A RECORD OF ALL HARVESTED TREES INCLUDING PICTURES, NUMBERS OF LOGS, SIZES, AND SPECIES OF EACH LOG IS TO BE SUBMITTED TO LANDSCAPE ARCHITECT.

KEY:

- TREES TO BE REMOVED NOT SUITABLE FOR HARVEST
- TREES TO BE REMOVED FOR HARVEST
- TREES TO REMAIN.

TREE REMOVAL SUMMARY:

TOTAL EX. TREES:	131 QTY.	1884.5" TOTAL CAL.
EX. TREES TO REMAIN:	95 QTY.	1503.5" TOTAL CAL.
EX. TREES REMOVED:	26 QTY.	175" TOTAL CAL.
EX. TREES REMOVED FOR HARVEST:	10 QTY.	206" TOTAL CAL.
PROPOSED TREES:	217 QTY.	225" TOTAL CAL.
TOTAL TREES AT COMPLETION:	312 QTY.	1728.5" TOTAL CAL.
TOTAL GAIN OF # OF TREES:	181 QTY.	
TOTAL LOSS OF CAL. INCHES:		-156" TOTAL CAL.

