



**KEY:**

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

- NOTES:**
1. ALL TREES SLATED FOR REMOVAL & SUITABLE FOR TREE HARVEST ARE TO BE HARVESTED AND SAVED FOR USE BY CLEMSON UNIVERSITY AT AMIG AND LEHOTSKY.
  2. SEE CIVIL PLANS FOR TREE PROTECTION PLAN.
  3. TREES USED FOR HARVESTING ARE TO REMAIN IN LOG FORM AND NOT MILLED UNTIL DIRECTED BY ARCHITECT AND / OR LANDSCAPE ARCHITECT.
  4. 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.
  5. CONTRACTOR TO COORDINATE WITH ARCHITECT, LANDSCAPE ARCHITECT, CLEMSON UNIVERSITY REPRESENTATIVE AND TIDEWATER LUMBER (864.987.9663) ON HARVESTING. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT A MIN. OF 48 HOURS PRIOR TO TREE REMOVAL.
  6. LANDSCAPE ARCHITECT / CLEMSON UNIVERSITY REPRESENTATIVE TO BE ON SITE DURING TREE HARVESTING PROCESS.
  7. HARVESTED TREES FOR BOTH AMIG & LEHOTSKY ARE TO BE DELIVERED TO TIDEWATER LUMBER AT 596 ANDERSON RIDGE RD., GREER SC.
  8. ALL HARVESTED TREES SLATED FOR LEHOTSKY PROJECT TO HAVE LOG ENDS PAINTED ORANGE FOR IDENTIFICATION.
  9. TIMBERTECH TREE MANAGEMENT COMPANY (864.288.8208) IS PREFERRED CONTRACTOR TO HARVEST TREES FROM SITE.
  10. ANY TREES WITH SIGNIFICANT DISEASE OR INTERIOR ROT WILL NOT BE HARVESTED.
  11. A RECORD OF ALL HARVESTED TREES INCLUDING PICTURES, NUMBERS OF LOGS, SIZES, AND SPECIES OF EACH LOG IS TO BE SUBMITTED TO LANDSCAPE ARCHITECT.

**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 4<sup>th</sup>, 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 inform the responsible contractor and/or person, organization, or agent of the value of the assessed damage and work through options for corrective measures. While these guidelines and procedures apply to tree protection, protection of University shrubs, vines and ground covers within the project site are also of concern.

- Definitions:**
- Professional of Record:** The A/E firm responsible for construction documentation & specification.
  - Site Survey:** A measurable site plan that maps existing conditions of a given area being considered for new construction activities. This map becomes the basis for design decisions of proposed built elements and site modifications. The accuracy of such a plan is certified by a registered land surveyor.
  - Tree Survey:** A measurable site plan that maps existing trees within a given area being considered for new construction. This survey can coincide with the Site Survey and it includes the following minimal information: scientific name of species, trunk caliper size, and canopy outline. This survey can be conducted by a registered land surveyor -and when required-working in conjunction with a trained and qualified arboriculturalist.
  - Tree Protection Plan:** A measurable site plan that maps existing trees within a given area being considered for new construction. This survey identifies individual trees and tree groups to be protected during construction. The plan always shows tree protection areas and associated fence lines where land disturbance activities are prohibited. Construction details can be included to address areas where special mitigation factors are required. This plan is part of the construction documents that the contractor is responsible for implementing. The plan is produced by the Professional of Record in consultation with a trained and qualified arborist.
  - Critical Root Zone:** The area from the trunk extending in all directions for a distance 1.5 times the branch spread
  - Protected Root Zone:** The area that is one and a half the distance of the tree canopy dripline outward from the trunk (1.5x the radius)
  - Tree Protection Area:** An area identified in the Tree Protection plan to be kept free of physical or chemical influences that may damage trees.
  - Tree Protection Fencing:** 6' chain link fence placed on the circumference of the "Protected Root Zone".
  - Compaction:** Soils whose structure has been altered due to vehicular, heavy equipment and foot traffic.
  - Dripline:** The vertical line beginning at the outermost portion of the canopy of a tree and extending to the ground.



Project  
**ADVANCED MATERIALS INNOVATION COMPLEX H1-9952-SG**  
INTERSECTION OF WILLIAMSON ROAD / SOUTH PALMETTO BLVD - CLEMSON, SC

Prepared For  
**CLEMSON UNIVERSITY**  
CLEMSON, SC



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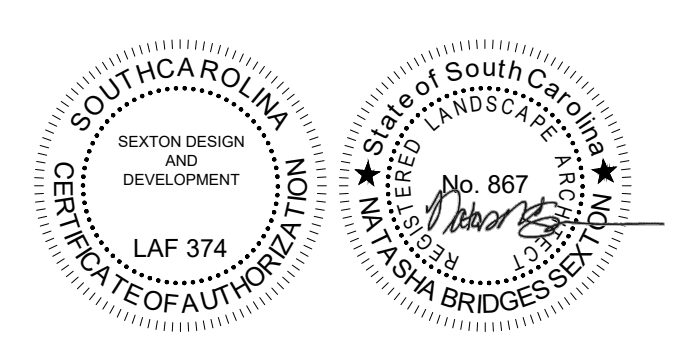
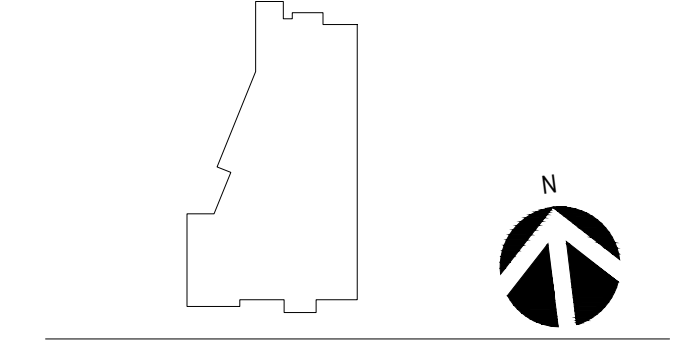
Land Planning Associates, Inc.  
Civil  
110 West 1st Avenue Ste A  
Easley, SC 29640

Sexton Design + Development  
Landscape Architecture  
6 Custom Mill Ct  
Greenville, SC 29609

Jenson Hughes  
Life Safety  
3500 Piedmont Road Suite 750  
Atlanta, Georgia 30305

MMSA, Inc.  
Structural Engineering  
30 Patwood Dr #100  
Greenville, SC 29615

Newcomb & Boyd  
Mechanical / Electrical / Plumbing  
303 Peachtree Center Ave NE Suite 525  
Atlanta, GA 30303



No.	Description	Date
1	SCHEMATIC DESIGN	2022-09-23
2	CONSTRUCTION DOCUMENTS	2023-02-24
3	ADDENDUM 1	2023-04-01

Project No: 22011  
Sheet Title  
**TREE REMOVAL / HARVESTING PLAN**

Original is 42 x 36. Do not scale contents of this drawing.  
Sheet Number

