

PLANTING AND LANDSCAPING (INCLUDING RELATED SUBSOIL DRAINAGE)

Quality Requirements: It is the intent of the U of I to receive high quality materials and workmanship both above and below ground level.

Certificates of Inspection: Shall accompany invoices for each shipment of plants as may be required by law for transportation. File certificates with F&S horticulturists prior to acceptance of the material.

Lawns:

Sodding/Seeding: Sodding and seeding are both acceptable methods of lawn establishment or restoration; however, seeding is preferred.

Schedule: Sodding and seeding work should only be accomplished between April 15 and May 15 or between August 15 and October 15.

Methods: Sod handling, seedbed preparation, mulching, fertilizing, watering and ongoing lawn maintenance should be accomplished as directed in the technical sections of these *Standards*.

Drainage: Drainage tile that empties into a storm water drainage system should be extended to each undrained low point. Drainage should be installed as part of the landscaping work and not as a part of the building construction work.

Trees and Shrubs:

Approved Plants: All plant material should be selected from the list of approved plants for campus or accepted by the F&S Horticulturalist and should conform to the requirements of the *American Standard for Nursery Stock*, published by the American Association of Nurserymen, Inc. as well as the requirements of the technical sections of these *Standards*. Native species are preferred. See *Exhibit 32 93 00-1, Approved Plant List*.

Planting Beds: Soil quality and planting bed preparation (including soil compaction level) should be as directed in the technical sections of these *Standards*.

Methods: When planting trees and/or shrubs, the guidelines in the *Tree and Shrub Transplanting Manual* by E. B. Himelick should be followed. Guying, staking, wrapping, pruning, mulching, fertilizing, watering and other ongoing maintenance of trees and shrubs should be accomplished as directed in the technical sections of these *Standards*.

Drainage: Drainage tile that empties into a storm water drainage system should be installed in each tree and planting bed. As mentioned above, it should be installed as part of the landscaping work and not as a part of the building construction work.

Documentation and Submittals: The AE shall review the *Project Submittal Requirements*.

Excavation within Protected Tree Root Zone:

When excavation for utility work is required to occur within the protected root zone, all excavation is to be done by directional drilling the utility under the root zone. See *Exhibit 33 05 23-1 Utility Requirements Under Tree Root Zones*. No trenching is to occur in the PRZ without prior approval by the F&S Landscape Architect or Horticulturist

Tree Replacement Policy: When a University owned tree is scheduled for removal due to construction work on campus, the project is required to furnish and install a new replacement tree unless otherwise approved by the F&S Landscape Architect or Horticulturist.

If a University tree is damaged by a contractor doing work on campus, and the F&S Landscape Architect or Horticulturist determines the tree should be removed due to damage, the contractor shall be required to furnish and install a replacement tree. Costs for removal of the damaged tree, associated stump grinding and landscape restoration shall be included with the costs for furnishing and installing the replacement tree, and shall be at no additional cost to the University.

In both cases of tree replacement, trees shall be a minimum of 2" caliper and meet all F&S standards for species, sizing and installation. Replacement tree type and species will generally follow that of the removed tree type

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and species. However, final tree species selection and planting location to be approved by the F&S Landscape Architect or Horticulturist. All work for tree removal and tree planting shall be done by an ISA Certified Arborist.