



DESIGN GUIDELINE 013639

TREE PRESERVATION

Introduction

This document delineates requirements for tree preservation on the University of Michigan campus.

Tree Survey

A tree survey will be done as part of the pre-design work for campus development projects. The survey will show the locations of the existing trees located within the bounds of the site, as well as on any surrounding areas that may be impacted by the project. The Design Manager (DM), together with the University Forester (UF), shall categorize the trees on the survey as follows:

- Memorial trees (including tree tag #) and their associated plaques.
- Trees to remain and be protected.
- Trees that can be relocated (transplanted).
- Significant trees that can be relocated.
- Significant trees that can be removed.
- Trees that are not significant or are of low quality.

If the preliminary survey includes significant trees or memorial trees that are to be relocated or removed, it shall be submitted to the Associate Vice President for Facilities and Operations (AVPFO) for approval. The survey shall be accompanied by a written summary prepared by the DM, the UF and the University Planner that describes the significance of the trees and the reasons for relocation and/or removal.

The tree survey as approved shall be provided to the Architect/Engineer (A/E). The A/E shall develop building and site concepts that are in accordance with the requirements identified on the survey. Deviation from the tree designations and dispositions as shown on the tree survey will not be permitted.

Protection

Existing trees that are to be preserved shall be protected during all phases of the construction project.

Specific Procedures for Protecting Trees

- The Contract Documents shall identify all trees to remain and to be protected, including those outside the construction limit line. **The protective zone around each tree shall be clearly identified.** The protective zone for significant trees shall not encroach on the canopy dripline unless there is a compelling reason why this is not practical. In such a situation, approval for the deviation must be obtained from the UF.
- For other trees, the protective zone shall extend to the tree canopy drip line where possible.
- The Construction Documents shall instruct the Contractor that no activity, including parking or storage of materials, will be allowed within the protective zones, and that protective fences or other methods of protection will not be moved, removed, or altered.

- Include aeration and gator bags as remediation measures for trees that have been negatively impacted by construction.

Relocation or Removal

Relocation and transplantation of existing trees will be accomplished by either tree spade or by the balled and burlapped method. The UF along with the University Planner will determine the new location.

Removal includes cutting the tree down and debris disposal

Specific Procedures for Removal and Relocation

- During design the UF and DM will decide whether the removal will be done by in-house crews or by the Contractor.
- The project responsible for removing the trees will fund the cost of transplantation or permanent removal by cutting the tree down.
- If the Contractor is removing trees, include instructions that felled trees and all associated debris shall be removed from the project site within 24 hours.
- Replacement trees will replicate the individual or cumulative caliper of the trees removed. For example, two 5" caliper trees could be replaced with one 10" caliper tree or five 2" caliper trees. The replacement trees will be planted on the project site or elsewhere on campus as determined by the UF and UP.