DESIGN GUIDELINE 328400
IRRIGATION

Scope

Scope: Designing and specifying irrigation.

Related Sections

U-M Design Guidelines
6.0 DG310000 Site Requirements
6.0 DG312500 Soil Erosion and Sedimentation Control
DG 3.1 Sustainable Design and LEED Requirements
SID 4.4.1 Landscape Materials

Related Documents
LEED Reference Guide for Green Building Design and Construction
University Planner's Office Stormwater Best Management Practices

Summary

Careful consideration should be given to the selection of plant materials that require less water to sustain their life. In addition, the designer should consider context when preparing landscape plans to ensure an investment in an irrigation system is warranted and if so, that an appropriate level of care will be provided. For example, a landscape within a high image area may be more richly planted than an area that is seldom viewed by the public. U-M Grounds Services maintains a map of maintenance zones that can serve as a guide for where irrigation (or intensity thereof) is appropriate to include (http://www.plantops.umich.edu/grounds/service_levels/priority/).

When irrigation is warranted, the U-M is committed to installing water efficient irrigation systems with metering equipment and other high–efficiency irrigation technologies to reduce potable water consumption whenever possible.

Design Requirements

The A/E should consider efficient technologies including Maxicom or similar irrigation management systems.

In addition to irrigation design, the A/E should provide plumbing, electrical and mechanical systems design for associated irrigation components within the building envelope. Separate meters for irrigation measurement should also be included.

The A/E should consult with the U-M Grounds Services for site specific irrigation needs. Coordinate with the Design Manager.