

## IRRIGATION

### **General**

In general, follow the guidelines below when designing and specifying irrigation. Unless specifically indicated otherwise, these guidelines are not intended to restrict or replace professional judgment.

### **Related Sections**

#### **U-M Design Guidelines**

[02000 Site Requirements](#)

[02215 Soil Erosion and Sedimentation Control](#)

[SID-K Sustainable Design and LEED Requirements](#)

[SID-T 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/](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.