

**DESIGN CRITERIA**

1. Related Sections: See related Division 32 Section Planting.
2. Current LEED Credits and Federal Energy Reduction Mandates may necessitate reduction or complete elimination of lawn irrigation systems. Coordinate with DeCA Project Manager and Installation, during Project Definition to confirm the level of irrigation required for the specific project.
3. Indicate that the Contractor will be required to provide any temporary irrigation necessary to establish plant materials due to elimination or limiting of a permanent irrigation system.
4. The design of the irrigation system is the responsibility of the Contractor and needs to be submitted for review as a shop drawing.
5. Site Landscape plan needs to indicate limits of irrigation for Lawn Areas. Use conventional automatic irrigation system incorporating low precipitation rate pop-up heads to achieve 100% coverage of all lawn areas.
6. Site Landscape plan needs to indicate limits of irrigation areas for Trees, Shrubs and other Landscape Plantings.
7. When reviewing the design of the irrigation system, verify that the Contractor has not mixed head types or valve type on a single watering circuit.
8. Controllers: Solid-state. Program conventional systems to operate in a series of closely spaced shorter cycles rather than long single cycles to aid deep water penetration into the soil and to avoid surface water runoff. Drip irrigation systems have low precipitation rates and should operate for longer time periods. Periodic deep watering with long cycles should be performed to leach salt build-up from the plant root zones.

**END OF SECTION**