**IRRIGATION DESIGN GUIDELINES**

1. Landscape irrigation should be included in all landscape projects.
2. Irrigation controllers shall be central communication capable commercial controllers. Irrigation controllers are to be located on the building exterior.
3. The master valve should be Hunter brand sized the same as the main line.
4. The distance between the master valve and the flow sensor shall be 10x the size of the pipe in inches.
5. The distance between the first turn and the flow sensor shall be 5x the size of the pipe in inches.
6. All valves should be Hunter ICV series.
7. All PVC main lines and sleeves should be Schedule 40, installed at 18” below final grade. Lateral lines should be Class 200, installed at 12” below final grade.
8. All connections to copper water source and all solenoid valves should be schedule 80 PVC.
9. Two-wire decoder systems are preferable.
10. MP Rotator spray nozzles should be utilized.
11. Spray bodies should be Hunter Pro-Series.
12. Rotors should be Hunter PGP’s, I-20’s, I-25’s or I-40’s.
13. Drip irrigation should be considered carefully by the design team and the owners and only be utilized where above ground sprays and rotors are determined to be undesirable to the project.
14. All new irrigation systems should have a water meter installed on the irrigation source. This meter should be an odometer style that meets AWWA standards.
15. All new irrigation systems should have a rain/weather sensor installed.
16. Valve box sizes should be 10” round or larger. (i.e. 6” round “splice box” should not be used for valves)
17. A minimum of 3’ of wire slack should be available in each valve box/wire splice for maintenance purposes.
18. An accurate as built is to be provided upon completion of the installation.

END OF SECTION

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