vii. PVC cement must be of an appropriate chemical compound for the pipe on which it is used.

viii. Trench or tunnel depth must be sufficient to obtain a minimum depth of cover over the installed pipe and control wire which conforms to the following dimensions. Where pipe and/or conduit are placed below paving or hardscape the minimum burial depths are:

Pressure Lines ≤2 inches in landscaping	12"
Pressure Lines >2 inches in landscaping	18"
Pressure Lines under non-vehicular paving	18"
Pressure Lines under vehicular paving	24"
Non-pressure Lines ≤2 inches in landscaping	8"
Non-pressure Lines >2 inches in landscaping	12"
Non-pressure Lines under non-vehicular paving	12"
Non-pressure Lines under vehicular paving	18"
Conduit in landscaping	12"
Conduit under non-vehicular paving	18"
Conduit under vehicular paving	24"

d. Automatic Irrigation Controller

i. Weather-based irrigation controllers (WBIC) are required. Only Smart Water Application Technologies tested and published WBICs are permitted.

e. Sprinkler Irrigation Requirements

i. Sprinklers shall have a minimum operational lower quarter distribution uniformity of 71%.

ii. No sprinklers shall be located within twenty-four inches (24") of any trees or impermeable hardscape, including but not limited to sidewalks, driveways, alleys, streets, walkways, fencing.

iii. Irrigation shall not runoff nor overspray onto impermeable surfaces including but not limited to buildings, fencing, property line, public right-of-way.

iv. Sprinkler heads on the same valve shall have matched precipitation rates. The precipitation rate shall not exceed 0.75 inches per hour.

v. Spray heads with or without multi-stream, multi-trajectory rotating nozzles, shall have built-in pressure regulation in the body or stem or shall have pressure regulating swing joints.

vi. Sprinkler heads shall have swing joints or other riser-protection components.

vii. Sprinkler heads must have a minimum of head-to-head coverage (minimum of 50% of diameter). Wind derating, if used, should be based on wind criteria for the time period that the system is normally operated.