



TCEQ 2009 NOTES

- All irrigation equipment to be located no closer than 4" to any pavement and / or structure
 - Electrical splices at each valve and controller only.
 - Irrigation in Texas is regulated by the
Texas Commission on Environmental Quality (TECQ)
MC-178 / P.O. BOX 13087
Austin, Texas 78711-3087
www.teceq.state.tx.us

IRRIGATION NOTES

1. All sprinkler equipment numbers reference the HUNTER equipment catalog unless otherwise indicated.
 2. LAWN SPRAY HEADS are SRS-04 installed as per detail shown.

BUBBLER PIPING CHART

- - 1-5 BUBBLERS - 1/2" PIPE
 - 6-10 BUBBLERS - 3/4" PIPE
 - 11-20 BUBBLERS - 1" PIPE
 - 21-30 BUBBLERS - 1 1/4" PIPE
 - 31-40 BUBBLERS - 1 1/2" PIPE

IRRIGATION LEGEND

- Hunter PRS30-04 4" Pop-up Spray Head with Plastic Hunter Pro Adjustable Nozzle
 - Ø Hunter PRS30-12 12" Pop-up Spray Head with Plastic Hunter Pro Adjustable Nozzle
 - Hunter PGP Ultra-04 Rotors
 - ☒ Hunter Multi-Stream Bubbler Nozzle on Hunter PRS30-06 Pop-up Spray Head
 - Spray, Rotor & Bubbler Zones-Hunter PGV Control Valves (See Plan for Size)
Drip Zones-Hunter ICZ Drip Zone Control Kits (See Plan for Size)
 - Hunter I-Core series Controller with Hunter Solar Sync Sensor
 - WATER METER, SIZE AS INDICATED
D.C.A., SIZE AS INDICATED
to Include Wye Strainer, Isolation Valve, Master Valve, and Pressure Regulator
 - PVC CLASS 200 LATERAL LINE
 - - - PVC CLASS 200 MAINLINE
 - - - PVC SCHEDULE 40 SLEEVING
 - VALVE SIZE
GPM

DRIP IRRIGATION NOTES

1. Drip Irrigation Equipment numbers reference Rainbird Equipment Catalog unless otherwise noted.
 2. Landscape Contractor shall be required to supply Owner's Construction Manager with all equipment specifications and maintenance guidelines.
 3. Landscape Contractor shall be required to follow Manufacturer's Specifications and Installation guidelines for drip system.
 4. PRESSURE COMPENSATING EMITTERS shall be: Multioutlet Rain Bug EM6-M101, Multi outlet Shrub Bug EMT6-M101 or approved equal. (1 PER EVERY 6 - 4" POTS)
 5. SINGLE OUTLET PRESSURE COMPENSATING EMITTERS shall be: Rain Bug Emitters EM-Mo5, -M10, -M20 and Shrub Bug Emitters EMT-M10, -M20 or approved equal. (1 PER EACH 1 OR 5 GAL PLANT)
 6. DRIP PRESSURE REGULATORS shall be: PSI-HLA-15, PSI-HLA-20, PSI-HMB-20, PSI-HMB-25 or approved equal.
 7. Y-FILTERS shall be: RBY-075-200, RBY-100-200 or approved equal.
 8. MAIN IRRIGATION TUBING shall be: RBT-150P, RBT-160V or approved equal.
 9. Emitter DISTRIBUTION TUBING shall be: RBT-150P, RBT-160V or approved equal.
 10. SUBTERRANEAN Emitter BOX shall be: SEB-6 or approved equal.
 11. Drip system piping only occurs within shrub / groundcover beds and rock mulch areas. Piping shall be a maximum 4" depth and a minimum 2" depth.
 12. Contractor shall verify that all drip system valves and spray system valves are sectioned separately on controller.

SLEEVING NOTES

1. Contractor shall lay sleeves and conduits at twenty-four (24") inches below finish grade of the top of pavement.
 2. Contractor shall extend sleeves one (1) foot beyond edge of all pavement.
 3. Contractor shall cap pipe ends using PVC caps.
 4. All sleeves shall be Schedule 40 PVC pipe.
 5. Contractor shall furnish Owner and Irrigation Contractor with an 'as-built' drawing showing all sleeve locations.

Water Pressure Calculations

Static Pressure (at the water meter)- 65 psi
Design Pressure for Remote Zone- 55.2 psi
Pressure Losses for Remote Zone and Meter Components- 20.5 psi

Water Meter Components- Pressure Losses

Master Valve Pressure- 2 psi
Pressure Regulator- 1.2 psi
Back Flow- 5 psi
Wye Strainer-.75 psi
Ball Valve- .8 psi

Irrigation Zones Pressure Losses- (most remote zone)

Main Line- 7.1 psi
Valve- 2 psi
Later Line- 1.6 psi
Sprinkler requirements-35 psi

ISSUE:

DATE:
02.03.2023

SHEET NAME:
IRRIGATION PLAN

SHEET NUMBER: