

City of McKinney  
Parks, Recreation & Open Spaces  
Irrigation Parts Specifications

Revised 06/22/2020

- Spray Heads – RD-04-S-P30-F Rainbird 4” POP SAM Check Valve PRS W/ Flow Shield (Use SPXFLEX100 ½” swing pipe with SBE050 ½” M NPT x ½” Barb Elbow fittings) (No Cut off Risers)
- **If rotary spray nozzles are in design, use the Rainbird RN High Efficiency Rotary Nozzels**
- **DO NOT USE ADJUSTABLE NOZZELS WITH SPRAY HEADS**
- Flood Bubblers – Rainbird 1404 Bubbler Nozzle (1.0 GPM) (Use SPXFLEX100 ½” swing pipe with SBE050 ½” M NPT x ½” Barb Elbow fittings) (No Cut off Risers)
- Rotary Heads – Rain Bird 5000 Series PRS(Pressure Regulating Head with check valves) (With Swing Joints) (No Cut off Risers)
- Remote Control Valves – Irritrol: 214B, 216B, 217B
- Ball Valves in front of all Zone Valves (schedule 80 PVC through the valve box)
- Valve Boxes - Rainbird PVB with overlapping lids preferred
- **ALL CONTROLLERS MUST BE INSTALLED OUTSIDE OF BUILDINGS (NO EXCEPTIONS)**
- Rainbird ESP-LXME series – ET based with conventional wiring ( with IQ) or Rainbird ESP-LXD (with IQ), with Flow Sensor, (When using the Metal Cabinet Pedestal, you will need to use the Rainbird IQ External Antenna for IQNCCGP) ,Some circumstances will call for the Hunter controller with solar sync sensor
- Rain Freeze Sensor – Hunter Rain Freeze – Clik (hard wire preferred)
- Hunter XCH controller when no electricity is available
- Quick Coupler Valve – Rain Bird #44-NP with Purple Lid & Locking Ball Valve (Only if Needed)
- Backflow Device – Febco Double Check Valve with Y strainer (With at least 6” clearance under Double Check)
- Piping – All main lines, Schedule 40, Lateral lines at least Class 200
- Piping – From Connection Point (Water Meter) to Master Valve use Schedule 80 PVC
- Drip Line – Netafim Drip line with Irritrol: 205S valve and Rainbird drip filter kit
- Hunter Indicator heads in all individual areas where drip line is installed
- All heads to be at ground level after Sod install.

**McKinney Parks Department reserves the right to make changes as deemed necessary.**

**NOTE:**

**Do not buy the IQ card until the week that the City of McKinney Parks Department accepts the irrigation work after final walk through**