MANUAL STEEL FILTER ASSEMBLY

1. Inline Filter - See Irrigation Equipment Schedule
2. 3/4" Brass Hose Bib (W/ Saddle or Tee)
3. Fl. Wafer Butterfly Valve 4" and Larger Full Port Apollo Ball Valve 3" and Smaller
4. Finish Grade
5. Concrete Thrust Blocks (Typ.) Wrap Pipes W/ 10 Mil Tape, Cast Against Undisturbed Soil
6. Filter Enclosure - See Irrigation Equipment Schedule (Install Per Manufacturer's Specifications)
7. Main Line - See Irrigation Schedule For Size and Material
8. Flare Spool Length As Required (Typ. 4" and Larger) Brass nipple Length As Required (Typ. 3" and Smaller)
9. Elbow and Flange Adapter As Needed
10. 4" Thick Concrete Pad (Size As Required)

QUICK COUPLING VALVE ASSEMBLY

1. 10" Round Green Plastic Valve Box W/ Bolt Lock, Carson-Brooks 910 or Equal
2. Flush With Grade
3. Quick Coupling Valve - See Equipment Schedule
4. Brass Nipple, Length As Required
5. Clean Pea Gravel
6. Concrete Pavers Only
7. 12" Lasco United Swing Joint W/ Brass Insert Stabilizer Elbow, or 12" Spears Swing Joint Riser Assembly W/ Brass Female Thread 90° Ell Outlet
8. 3" and Larger, Ductile Iron Service Saddle W/ S.S. Strap (Side Mounted, Size As Required) 2 1/2" and Smaller, Use PVC SCH 80 Tee and 90° (Side Mounted, Size As Required)
9. PVC Main Line
10. 3" Min. 6" Max. Clearance

MANUAL DRAIN VALVE

1. Adjustable Curb Box W/ Bolt Lid, Carson-Brooks 250 or Equal
2. Finish Grade
3. Adjust Height As Required
4. 1/4" Valve (See Irrigation Equip. Sch.)
5. PVC Manhole & Service Tee
6. (2) 3/4" x 90° Ell
7. (2) 3/4" x Close PVC Nipple
8. 3/4" x 12" PVC SCH 80 Nipple
9. 3/4" x 90° Street Ell
10. 3/4" x 6" PVC SCH 80 Toe Nipple
11. 10° Round Green Plastic Valve Box, Carson-Brooks 910 or Equal At Top of Grade
12. 3" to 6" Clear Space