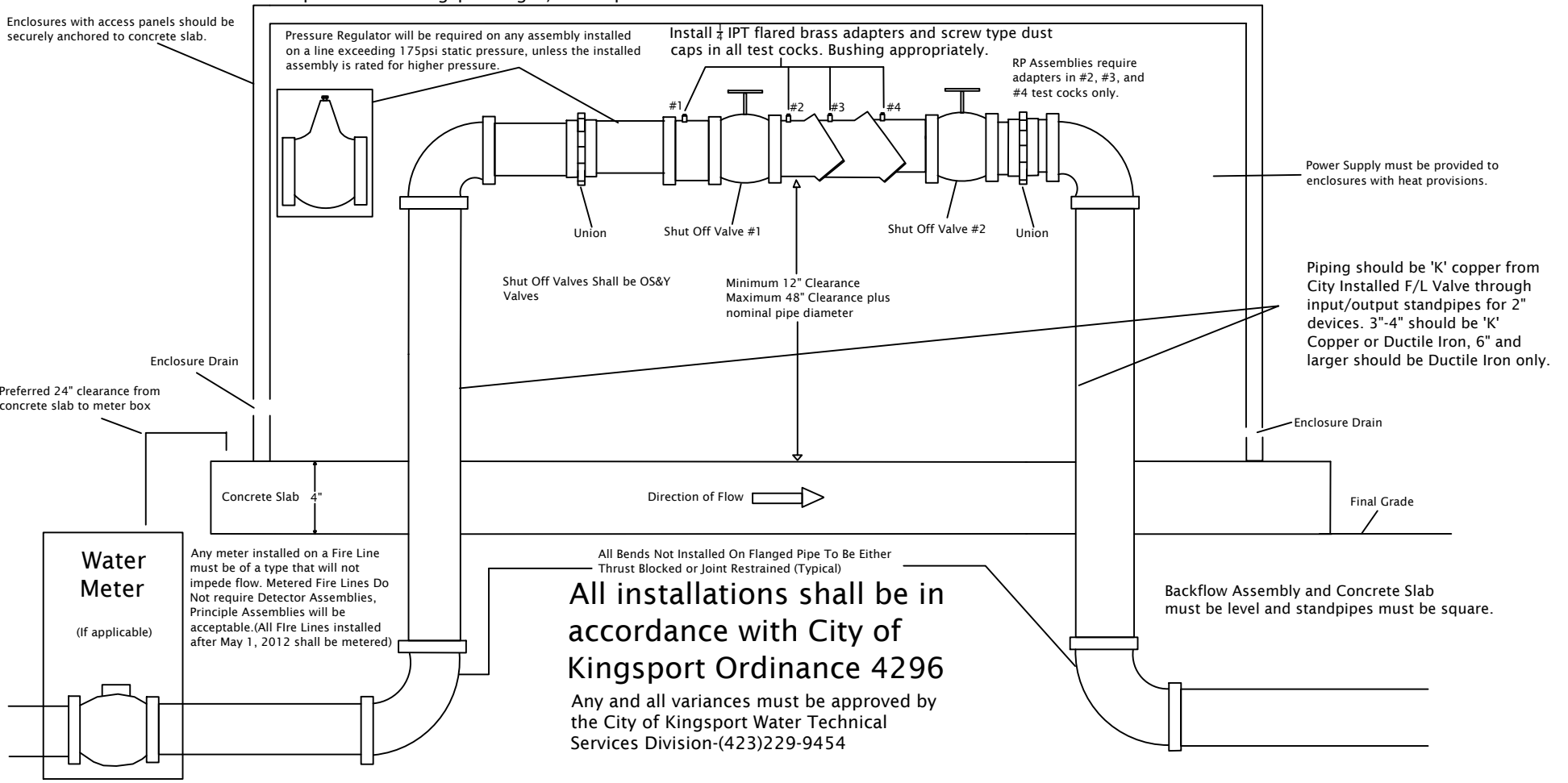


# Detail of Acceptable Fire Line Assembly Outdoor Above Ground Installation

Assembly Shall Meet City of Kingsport and USC Standards. For a list of approved assemblies please contact Water Technical Services Division (423)229-9454 or visit us on the Web at [www.publicworks.kingsporttn.gov/water-qc](http://www.publicworks.kingsporttn.gov/water-qc)

Double Check Detector Assembly Shall be the minimum acceptable assembly. Reduced Pressure Detector Assembly will be required on any Chemically Treated Fire Line (Glycol, Rust Inhibitors, etc)



Enclosures with access panels should be securely anchored to concrete slab.

Pressure Regulator will be required on any assembly installed on a line exceeding 175psi static pressure, unless the installed assembly is rated for higher pressure.

Install 1/4 IPT flared brass adapters and screw type dust caps in all test cocks. Bushing appropriately.

RP Assemblies require adapters in #2, #3, and #4 test cocks only.

Power Supply must be provided to enclosures with heat provisions.

Piping should be 'K' copper from City Installed F/L Valve through input/output standpipes for 2" devices. 3"-4" should be 'K' Copper or Ductile Iron, 6" and larger should be Ductile Iron only.

Preferred 24" clearance from concrete slab to meter box

Enclosure Drain

Shut Off Valves Shall be OS&Y Valves

Minimum 12" Clearance  
Maximum 48" Clearance plus nominal pipe diameter

Direction of Flow →

Enclosure Drain

Final Grade

Any meter installed on a Fire Line must be of a type that will not impede flow. Metered Fire Lines Do Not require Detector Assemblies, Principle Assemblies will be acceptable.(All Fire Lines installed after May 1, 2012 shall be metered)

All Bends Not Installed On Flanged Pipe To Be Either Thrust Blocked or Joint Restrained (Typical)

**All installations shall be in accordance with City of Kingsport Ordinance 4296**

Any and all variances must be approved by the City of Kingsport Water Technical Services Division-(423)229-9454

Backflow Assembly and Concrete Slab must be level and standpipes must be square.