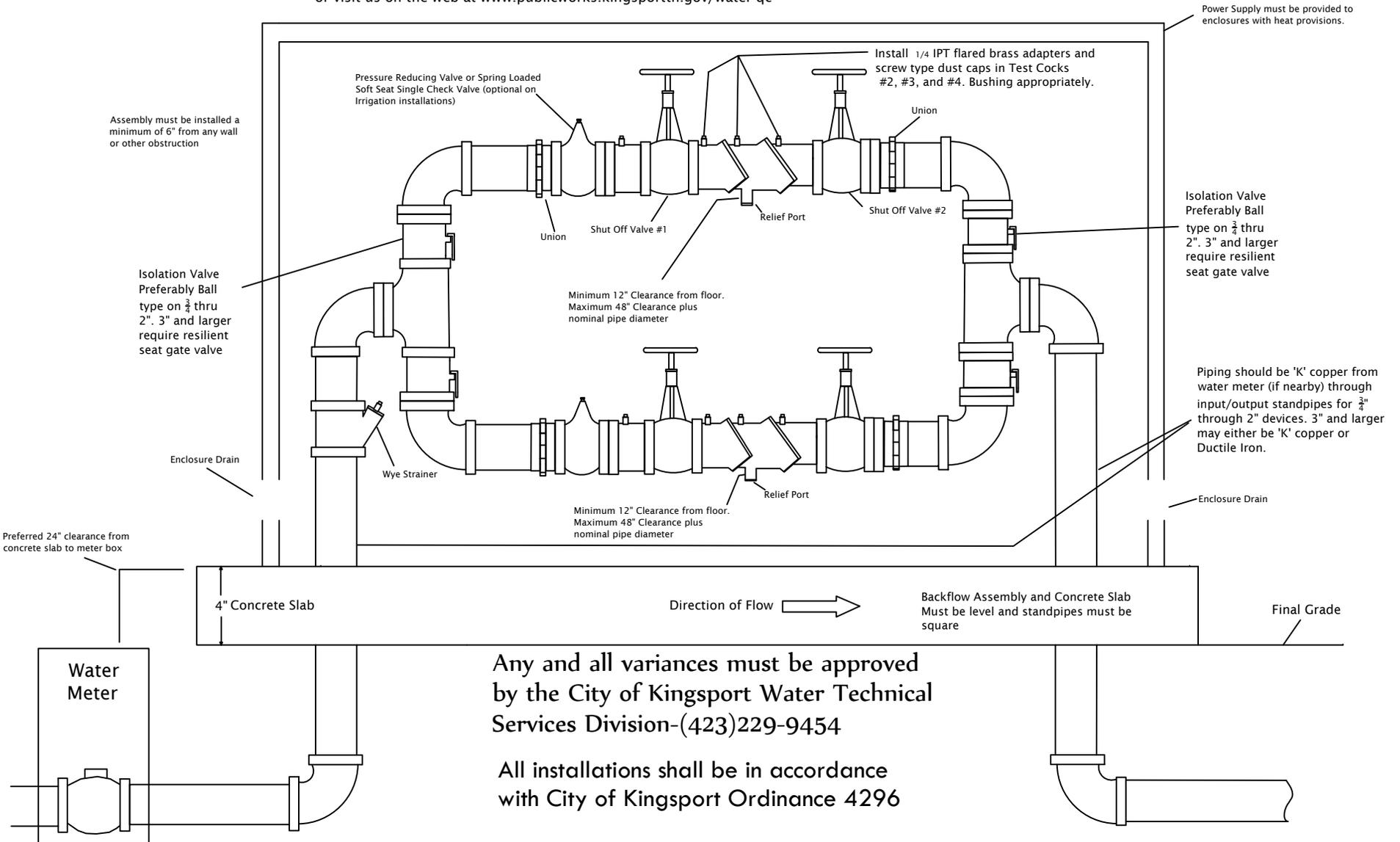


## Detail of Reduced Pressure Backflow Prevention Assembly Outdoor Parallel System Installation

RPZs Shall Meet City of Kingsport, USC, and State of TN Standards. For a list of approved assemblies please contact the City of Kingsport 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)



Assembly must be installed a minimum of 6" from any wall or other obstruction

Isolation Valve Preferably Ball type on 3/4 thru 2". 3" and larger require resilient seat gate valve

Enclosure Drain

Preferred 24" clearance from concrete slab to meter box

4" Concrete Slab

Direction of Flow →

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

Final Grade

Pressure Reducing Valve or Spring Loaded Soft Seat Single Check Valve (optional on Irrigation installations)

Install 1/4 IPT flared brass adapters and screw type dust caps in Test Cocks #2, #3, and #4. Bushing appropriately.

Power Supply must be provided to enclosures with heat provisions.

Isolation Valve Preferably Ball type on 3/4 thru 2". 3" and larger require resilient seat gate valve

Piping should be 'K' copper from water meter (if nearby) through input/output standpipes for 3/4 thru 2" devices. 3" and larger may either be 'K' copper or Ductile Iron.

Enclosure Drain

Minimum 12" Clearance from floor.  
Maximum 48" Clearance plus nominal pipe diameter

Minimum 12" Clearance from floor.  
Maximum 48" Clearance plus nominal pipe diameter

Wye Strainer

Relief Port

Shut Off Valve #2

Relief Port

Shut Off Valve #1

Union

Union

Water Meter