



### VALVE BOX FOR PAVED AREA INSTALLATIONS

## REDUCED PRESSURE PRINCIPLE ASSEMBLY BACKFLOW INSTALLATION FOR 1", 1-1/2", AND 2" METER SIZES

NOT TO SCALE

### MATERIAL LIST

NO.	DESCRIPTION
1	APPROVED COMPACT REDUCED PRESSURE PRINCIPLE ASSEMBLY, SIZE TO MATCH METER (1" MIN)
2	BRASS 90° BEND - IRON PIPE THREAD (IPF x IPF)
3	EXISTING ONSITE PIPE (MATERIAL UNKNOWN), CONNECT WITH TRANSITION COUPLING AS REQUIRED
4	BRASS PIPE (TBE, LENGTH AS REQUIRED), SIZE TO MATCH BACKFLOW DEVICE
5	BRASS UNION - IRON PIPE THREAD (IPF x IPF), IF NOT PROVIDED WITH ASSEMBLY
6	BRASS CLOSE NIPPLE (TBE)
7	CONCRETE PAD - 4,500 PSI
8	APPROVED ENCLOSURE, ANCHOR TO CONCRETE PAD PER MANUFACTURERS REQUIREMENTS
9	BRASS CURB STOP WITH STANDARD VALVE BOX, 6" SCHEDULE 80 PVC TOE NIPPLE (THREAD x SLIP) AND A SCH 80 PVC COUPLING FOR CONNECTION TO EXISTING ONSITE PVC PIPING
	DIELECTRIC CONNECTION REQUIRED WHEN EXISTING ONSITE PIPING IS METALLIC
10	TOP SECTION OF DUCTILE IRON STANDARD VALVE BOX (MODIFIED) WITH CONCRETE COLLAR IF REQUIRED, SEE VALVE BOX FOR PAVED INSTALLATIONS DETAIL

### NOTES:

- BACKFLOW DEVICE INCLUDING ABOVE GRADE PIPING NOT TO BE PAINTED.
- FOR BACKFLOW DEVICE LOCATION, SEE SITE DRAWINGS.
- COMPACT ALL EXCAVATION AND CONCRETE PAD AREAS PER SPECIFICATIONS.
- ALL COPPER TUBING AND BURIED BRASS PIPE SHALL BE WRAPPED WITH TWO (2) LAYERS OF SIX (6) MIL POLYETHYLENE AND BACKFILLED ALL AROUND WITH 4" MINIMUM OF SAND.
- BACKFLOW DEVICE INSTALLED ON PRIVATE PROPERTY ONLY, UNLESS SPECIFICALLY APPROVED BY DISTRICT AND JURISDICTIONAL AUTHORITY.
- IF ASPHALT PATCH IS REQUIRED, THE PATCH SHOULD HAVE A MINIMUM DIMENSION OF TWELVE INCHES (12") IN ANY DIRECTION.
- ALL THREADED PVC FITTINGS TO BE SCH 80 PVC.
- SITE CONDITIONS SHALL ACCOMMODATE 36" MIN CLEAR CLEARANCE AROUND ALL SIDES OF DEVICE FOR LVVWD MAINTENANCE.
- 12" MIN CLEARANCE IS REQUIRED FROM THE RELIEF VALVE TO ASSEMBLY PAD. ASSEMBLY PAD FINISHED GRADE MUST BE AT OR ABOVE HIGH-WATER LEVEL OF SURROUNDING AREA.

