



**CITY OF ROSWELL
DEPARTMENT OF PUBLIC WORKS
BACKFLOW • PREVENTION**
*"a community • environmental
health protection program"*



**MINIMUM CONTAINMENT PROTECTION REQUIREMENT
RESIDENTIAL NEW CONSTRUCTION and RETROFITS
(Non-hazardous)**

SERVICE METER SIZES: thru 1-inch

DUAL CHECK (DuC) BACKFLOW PREVENTER (BFP)

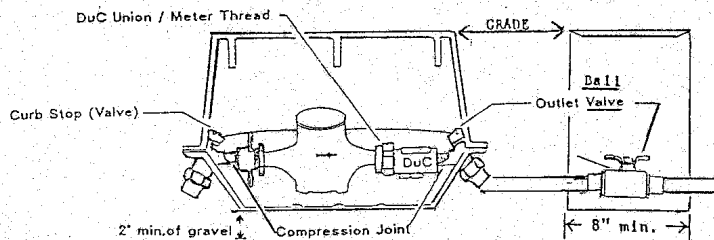
SPECIFICATIONS: The **CUSTOMER/OWNER** shall furnish and have installed a (1)in. MTSF x (3/4 or 1)in. UNPTF - **Dual Check (DuC) Backflow Preventer (BFP)** that meets the requirements of ANSI/ASSE Standard 1024, and bear the ASSE seal. The DuC-BFP shall be bronze-bodied, have **replaceable seats** and include one **female union** and a **swivel nut** with meter threads for the meter side connection. The union adaptor and swivel nut shall be provided with wrench flats to facilitate tightening and the union nut drilled to accept a tamper-proof locking wire. The device shall be embossed or have a brass identification tag securely attached to the valve body with corrosion resistant mechanical fasteners, and shall include the following information:

1. Name of manufacture or trademark.
2. Type and model number of the device.
3. Maximum rated working pressure and temperature.
4. Direction of flow through the device.
5. Inlet and outlet connection pipe size.
6. Date of manufacture or serial number.

NOTE: The DuC-BFP for a 3/4-inch meter shall have a minimum capacity of 25 gpm and for a 1-inch meter 50 gpm; each with a maximum pressure drop of 10 psi.

INSTALLATION INSTRUCTIONS: The DuC-BFP shall not be buried in earth but may be installed below ground as in the Water System's meter box attached to the meter outlet or in an adjacent similar enclosure. A positive shut-off **ball valve** shall be near the inlet and outlet sides. When the DuC-BFP is attached directly to the meter, the Water System's curb stop (valve) may be substituted for the inlet-side valve. (See sketch.)

TYPICAL METER BOX INSTALLATION



NOTE: For final approval assembly must be centered in enclosure.

***** IMPORTANT:** See - THERMAL EXPANSION WARNING - Over > > >

**** SPECIAL CAUTION ****

THERMAL EXPANSION: When water is heated and stored in a consumer's water system, or a branch of the system, that has been closed by the installation of a backflow-prevention device, or any other checking device; an auxiliary relief valve, or expansion chamber, shall be installed to limit Thermal Expansion of the water being heated to not more than 80 psi static (no-flow) pressure at any fixture on the system.

*** RECOMMENDED MAINTENANCE ***

Dual Check (DuC) Backflow Preventers (BFP) should be inspected annually or more frequently if a need is indicated or if specified in the manufactures's instructions. Synthetic components within a device should be replaced every five (5) years, or sooner if required.