CONSTRUCTION NOTES:

1. Approved reduced pressure principle backflow assembly with spring loaded check valves & integral diaphragm actuated relief valve. Contact the CNB Utilities Dept. (644-3011) for approved list.

2. 90° bend, FE x FE. Cement line DI.


4. DIP mortor lined spool piece (FE).

5. 150 lb. ANSI rated flange. Fabricated integrally with spool or spindle piece. Threaded flanges excepted.

6. 6" thick concrete slab. Reinforced with W1.4 x W1.4 weld wire mesh. Concrete shall be C-560-3250 mix.

7. 90° bend, cement lined DI, FE x FE x MJ ends w/retainer glands.

8. City supply pipe. Class 52 mortor lined Ductile iron pipe w/polyethylene encasement.

9. Consumer piping, AWWA approved potable water pipe material, class 150 or higher.

10. Adjustable steel pipe support, hot dip galvanized after fabrication per STD-522-L. Paint to match piping and valves.

11. Air gap relief valve drain port to atmosphere. Outlet must be at least 12" above the valve assembly slab.

12. Diaphragm actuated, spring loaded, double seated relief valve set to sense and at least 2 PSI pressure differential between the creek valves.


15. FE x MJ adapter with retainer gland.

GENERAL NOTES:

1. All above grade piping shall be painted with an Alkyd Enamel paint system consisting of a 2 mil primer coat and two (2) cat of 2 mils (each) high gloss enamel. Color shall be white, blue, red, or green.

2. All below grade ductile iron fittings and piping shall be encased with an 8 mil polyethylene wrap in accord with AWWA standard.

3. All flange bolts shall be manufactured form type 316 stainless steel. Mechanical joint connections shall be made with either malleable iron or self weathering Corten Steel.

4. Backflow device shall be installed in easement granted to City. Minimum size is 5' wide x 10' long.

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

Reduced Pressure Principle
Backflow Prevention Assembly

APPROVED:

RCE NO. 36106
PUBLIC WORKS DIRECTOR

Drawn: M. Elias
Date: Jan. 2004
DRAwING NO. STD-520-L