CONSTRUCTION NOTES:

1. Approved double check valve assembly. Contact CNB Utilities Dept. (644-3011) for list.
2. Long radius 90° bend, FE x FE, cement lined D.I.
3. Resilient wedge gate valve, OS & Y w/flanged ends.
5. 150 lb. ANSI rated flange. Fabricated integrally with spool.
6. 6" thick concrete slab. Reinforced with Wt. 4 x Wt. 4 weld wire mesh. Concrete shall be C-560-3250 mix.
7. Long radius 90° bend, cement lined D.I., FE x FE or FE x MJ ends w/ retainer glands.
8. City supply pipe, Class 52 mortar lined pipe w/ polyethylene encasement or 150 (200 where applicable) asbestos cement pipe.
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 valving.
11. Bypass double, spring loaded, poppet check valve assembly with multiple test cocks.
12. Assembly must be matched to the main line assembly to provide lower head loss.
13. Magnetic drive, low head loss, bypass meter capable of reading flows from 1/4 to 20 gpm. Register shall record flows in units of cubic feet.
14. Bronze body, rubber seated ball valve shut-off with lever operator.
15. Install thrust block per STD-510-L-A.

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) coats 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 in accord with AWWA standard in an 8 mil polyethylene wrap.
3. All flange bolts shall be type 316 stainless steel. Mechanical joint bolts shall be manufactured from either malleable iron or self-weathering CorTen steel.
4. Back flow device shall be installed in easement granted to City. Minimum size is 5' wide x 10' long.

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

Double Check Detector
Backflow Prevention Assembly

APPROVED:

RCE NO. 36106
PUBLIC WORKS DIRECTOR

Drawn: M. Elias
Date: Jan 2004
Scale: N.T.S.
DRAWING NO.
STD-517-L