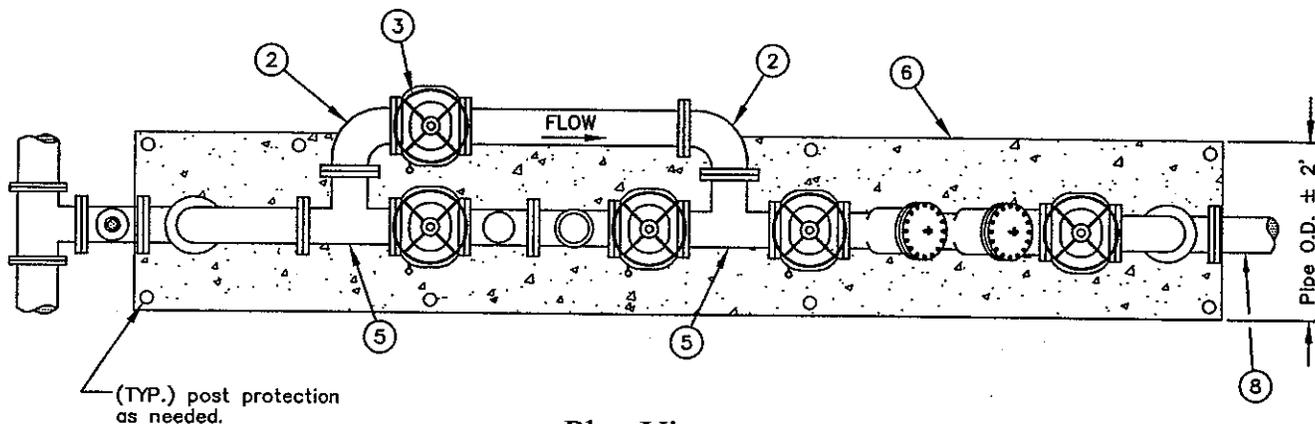


Elevation View



Plan View

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.
- ③ Resilient wedge gate valve, OS & Y w/flanged ends.
- ④ DIP mortar lined spool piece (FE).
- ⑤ Tee FE x FE Motar lined.
- 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 Consumer piping. AWWA approved potable water pipe material, class 150 or higher.
- ⑨ Adjustable steel pipe support, hot dip galvanized after fabrication per STD-522-L. Paint to match piping and valving.
- ⑩ Install thrust block per STD-510-L-A.
- ⑪ Compact, single register, high performance, compound meter w/ attached in line meter strainer. Contact C.N.B. Utilities Dept. for specs. & approved manufacturers

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 or red.
- 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 from 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

**WATER METER/BACKFLOW
PREVENTION ASSEMBLY
TYP. 3", 4", 6" & 8"**

APPROVED:

RCE NO. 36106

PUBLIC WORKS DIRECTOR

Drawn: M. Elias

Scale: N.T.S.

Date: Jan. 2004

FAUSERS/PBW/Shared/CAD STD
STD Details/2003 Std/STD Water

DRAWING NO.

STD-520-L-B