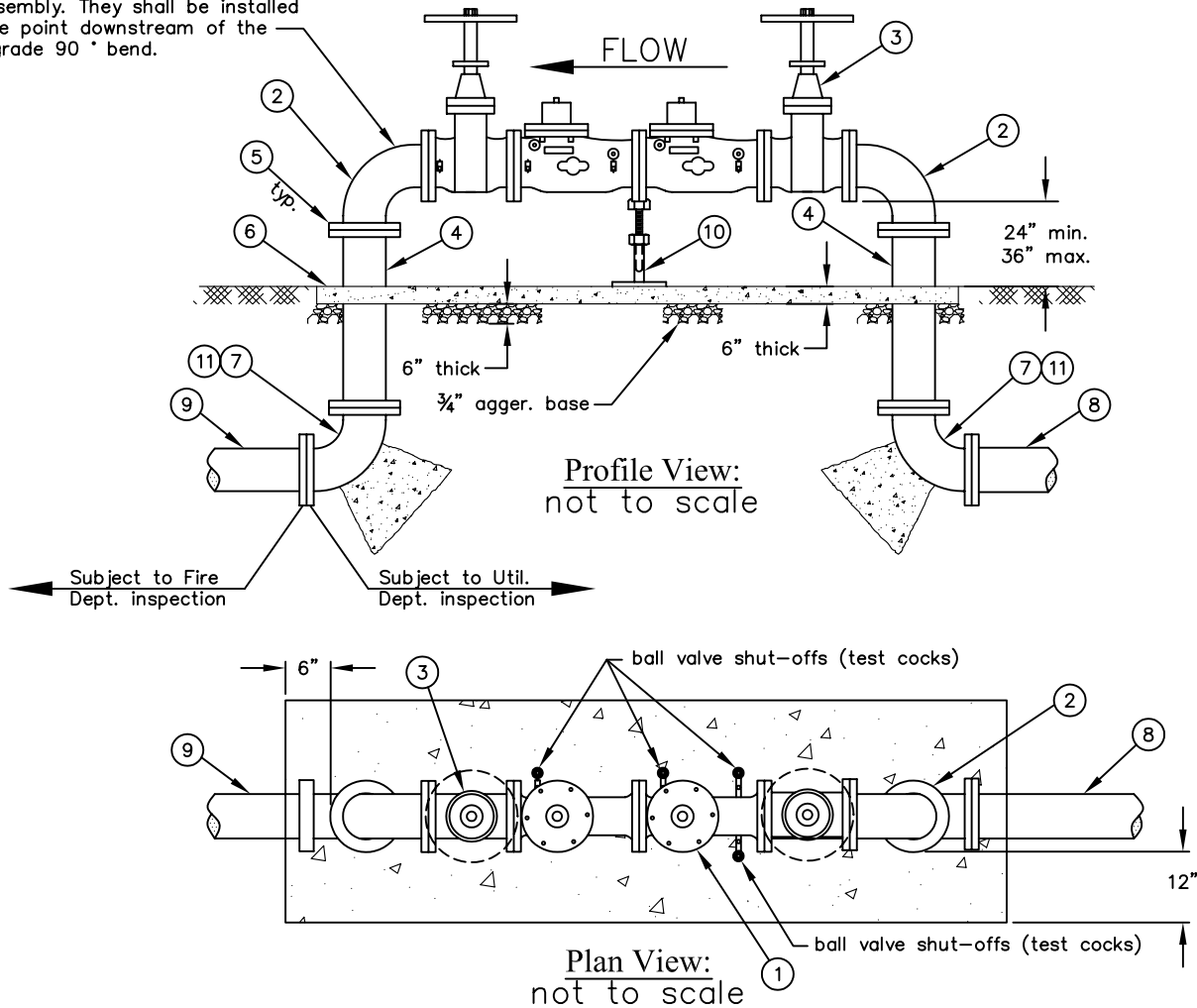


Siamese pumper fittings, post-indicator valves etc. are prohibited as part of this assembly. They shall be installed at some point downstream of the below grade 90° bend.



Construction Notes:

- ① Approved double check valve assembly. Contact the Newport Beach Utilities Dept. (644-3011) for list.
- ② Long radius 90° bend, FExFE, cement lined D.I.P.
- ③ Resilient wedge gate valve, OS & Y w/flanged ends.
- ④ D.I.P. mortar lined spool piece (FE).
- ⑤ 150 lb. ANSI rated flange. Fabricated integrally with spool.
- ⑥ 6" thick concrete slab. Reinforced with W1.4 x W1.4 weld wire mesh. Concrete shall be C-560-3250 mix.
- ⑦ Long radius 90° bend, cement lined D.I.P., FE x FE or FE x MJ ends w/ retainer glands.
- ⑧ Class 150 (200 where applicable) P.V.C. C-900 with tracing wire.
- ⑨ AWWA approved potable water pipe material, class 150 or higher. Fire Dept. Req's.
- ⑩ Adjustable steel pipe support, per STD-522-L. Paint to match piping and valving.
- ⑪ 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 or red.
- 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 BACKFLOW
PREVENTION ASSEMBLY**

APPROVED:

PUBLIC WORKS DIRECTOR

RCE NO. 36106

Drawn: M. Elias

Date: Jan. 2004

Scale: N.T.S.

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DRAWING NO.

STD-512-L