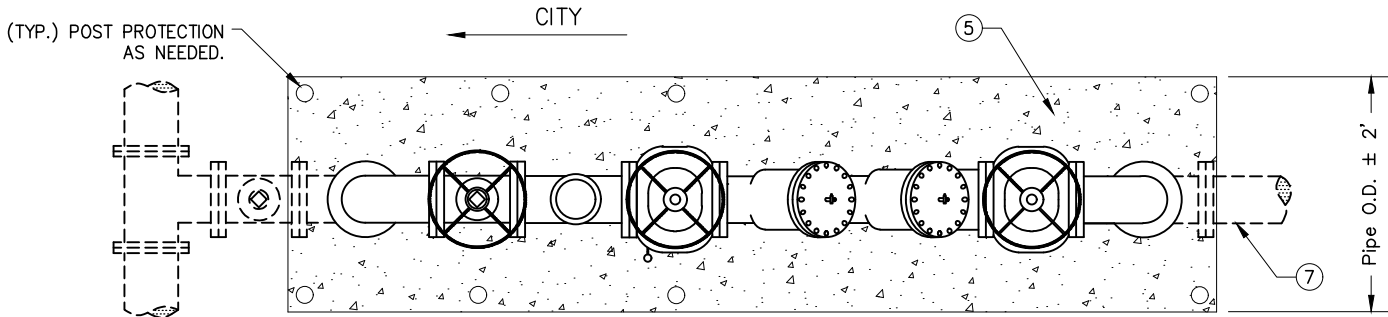


ELEVATION VIEW



PLAN VIEW

CONSTRUCTION NOTES

- ① COMPACT DUAL REGISTER HIGH PERFORMANCE COMPOUND METER AND ATTACHED IN-LINE METER STRAINER. 8 DIGIT SERIAL# (PROVIDED BY UTILITIES DEPARTMENT) TO BE PLACED ON METER. CONTACT CNB UTILITIES DEPARTMENT FOR SPECS AND APPROVED MANUFACTURES.
- 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 6" THICK CONCRETE SLAB. REINFORCED WITH W1.4 x W1.4 WELD WIRE MESH. CONCRETE SHALL BE C-560-3250 MIX.
- ⑥ 90° BEND, CEMENT LINED DI, FE x FE x MJ ENDS W/RETAINER GLANDS.
- ⑦ CONSUMER PIPING. AWWA APPROVED POTABLE WATER PIPE MATERIAL, C-900 PVC CLASS 200.
- ⑧ ADJUSTABLE PIPE SUPPORT PER STD 521.
- ⑨ INSTALL THRUST BLOCK PER STD 516-A.
- ⑩ APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY WITH SPRING LOADED CHECK VALVES & INTEGRAL DIAPHRAM ACTUATED RELIEF VALVE. REFER TO UNIVERSITY OF SOUTHER CALIFORNIA FOUNDATION FOR CROSS CONNECTION AND HYDRAULIC RESEARCH APPROVED LIST (WWW.USC.EDU/DEPT/FCCCHR/LIST.HTML).

GENERAL NOTES

- 1. ALL ABOVE GRADE PIPING SHALL BE PAINTED WITH AN ALKYD ENAMEL PAINT SYSTEM CONSISTING OF A 2 MIL PRIMER CAT AND TWO (2) CAT OF 2 MILS (EACH) HIGH GLOSS ENAMEL. COLOR SHALL BE WHITE, BLUE OR RED, AS REQUIRED BY THE CITY.
- 2. ALL BELOW GRADE DUCTILE IRON FITTINGS SHALL BE C-110. ALL BELOW GRADE DUCTILE IRON PIPE AND FITTINGS SHALL BE ENCASED IN POLYETHYLENE WRAP PER AWWA STANDARD C105.
- 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.

FORMER CITY STANDARD PLAN NUMBER (2004 EDITION): STD 520-L-B

APP. *James M. Hinkle* 51568 11/24/2020
 CITY ENGINEER RCE DATE

NO.	DATE	DESCRIPTION OF REVISIONS

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS

DRAWN: M. ELIAS
 DATE: 11/3/2020

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

STANDARD DRAWING NO.
519-B
 SHEET 1 OF 1