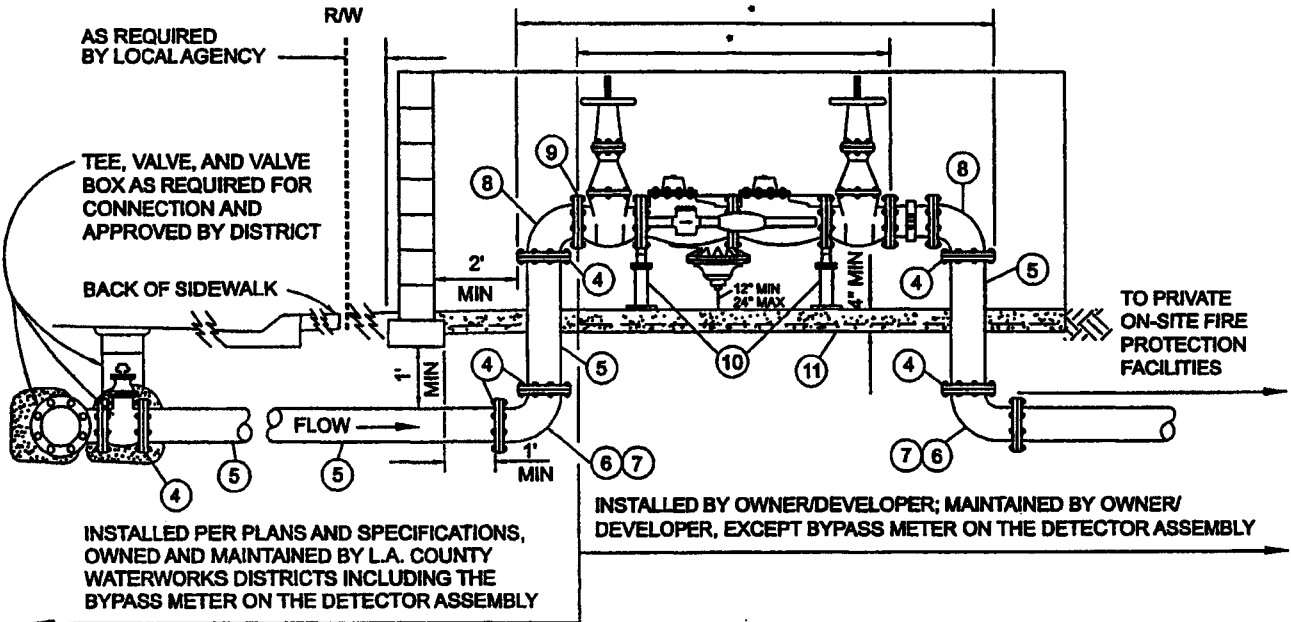
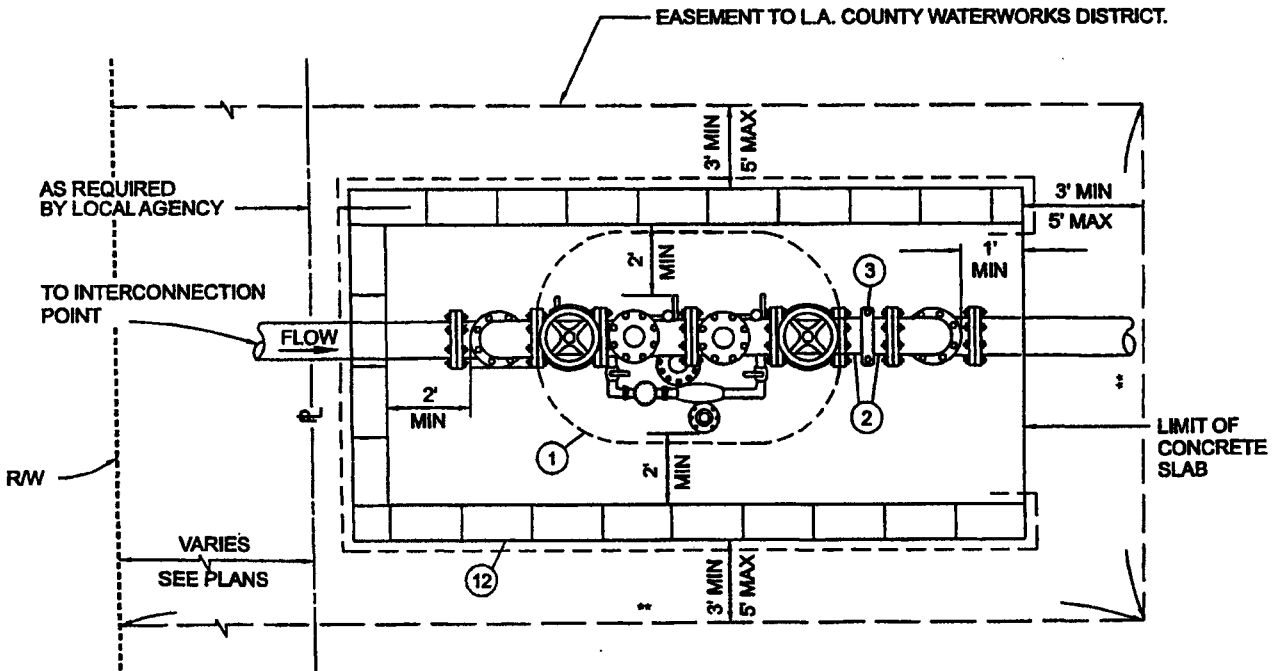


BACKFLOW PREVENTION DETECTOR ASSEMBLY



ELEVATION
NTS



PLAN
NTS

* PER MANUFACTURER'S SPECIFICATION
** THIS DIMENSION PER APPROVED PLANS

LOS ANGELES COUNTY WATERWORKS DISTRICTS

DEPARTMENT OF PUBLIC WORKS

STANDARD PLAN

W-6

APPROVED

ASSISTANT DEPUTY DIRECTOR

APRIL 2004

DATE

SHEET 1 OF 2

BACKFLOW PREVENTION DETECTOR ASSEMBLY (CONTINUED)

LIST OF MATERIALS:

- ① BACKFLOW PROTECTION ASSEMBLY FROM THE DISTRICT'S APPROVED LIST. LEVEL OF PROTECTION SHALL BE DETERMINED BY THE DISTRICT AND IS DEPENDENT ON THE TYPE OF WATER USE ON-SITE.
- ② VICTAULIC NIPPLE, GROOVED END x FLANGED END, STEEL SCHEDULE 40, CLASS 150 FLANGE (6" LONG EACH), EPOXY LINED.
- ③ VICTAULIC COUPLING STYLE NO. 77 OR OTHER DISTRICT APPROVED COUPLING FOR GROOVED-END PIPE.
- ④ SLIP-ON WELDING FLANGE, CLASS 150.
- ⑤ STEEL PIPE SCHEDULE 40, CML & CMC.
- ⑥ 90° FLANGED ELBOW; STEEL SCHEDULE 40, CLASS 150 FLANGE, CML & CMC.
- ⑦ CONCRETE THRUST BLOCK, PER STANDARD PLAN W-21.
- ⑧ 90° FLANGED ELBOW; STEEL SCHEDULE 40, CLASS 150 FLANGE, CML
- ⑨ INSULATING GASKET KIT WITH BOLT SLEEVES FOR CLASS 150 FLANGE.
- ⑩ ADJUSTABLE PIPE SUPPORT PER STANDARD PLAN W-17. CONCRETE PIER REQUIRED FOR ASSEMBLIES INSTALLED WITHOUT CONCRETE SLAB.
- ⑪ CONCRETE SLAB: 4 INCH MINIMUM THICKNESS, TYPE 520-C-2500 CONCRETE WITH 6-6-10-10 WIRE MESH PLACED AT 1/3 FROM THE BASE OF THE SLAB. SLAB SHALL BE SLOPED TO DRAIN TO THE STREET AND HAVE A LIGHT BROOM FINISH.
- ⑫ CONCRETE BLOCK ENCLOSURE OR OTHER ENCLOSURE/SCREEN AS REQUIRED AND APPROVED BY THE LOCAL AGENCY. THE DISTRICT RESERVES THE RIGHT TO REQUIRE AN ENCLOSURE EVEN IF NOT REQUIRED BY THE PERMITTING AGENCY. SEE NOTE 5.

NOTES:

1. SIZES AS REQUIRED BY THE PLANS AND/OR SPECIFICATIONS.
2. ALL MATERIALS SHALL COMPLY WITH THE SPECIFICATIONS AND/OR "GREENBOOK", AS APPLICABLE.

GENERAL NOTES:

1. THE BACKFLOW PREVENTION ASSEMBLY MUST BE ON THE DISTRICT'S CURRENT LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES. WATER SERVICE SHALL BE CONTINGENT UPON TESTING AND CERTIFICATION OF THE ASSEMBLY BY A LOS ANGELES COUNTY CERTIFIED BACKFLOW TESTER. SUBSEQUENT TO THE INITIAL CERTIFICATION, THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR SUBMITTING AN ANNUAL TEST CERTIFICATION TO THE DISTRICT. ALL TESTING PROCEDURES AND CERTIFICATION SHALL BE CONDUCTED AT OWNER'S EXPENSE.
2. BYPASS METER SHALL BE COMPATIBLE WITH THE DISTRICT'S AUTOMATED METER READING (AMR) SYSTEM. FOR DETAILS, SEE METER SPECS ISSUED AT TIME OF APPLICATION FOR WATER SERVICE. IF AN ENCLOSURE IS TO BE CONSTRUCTED AROUND THE DETECTOR ASSEMBLY, THEN THE BYPASS METER SHALL BE PLACED ON THE SIDE OF THE DEVICE THAT IS CLOSEST TO THE ENTRANCE THROUGH THE ENCLOSURE.
3. ALL ABOVEGROUND PIPING, VALVES, AND FITTINGS SHALL BE PAINTED WITH TWO (2) COATS OF DISTRICT APPROVED HEAVY-DUTY RED PRIMER, AND TWO (2) COATS OF DISTRICT APPROVED DUNES TAN OR FOREST GREEN.
4. THE CONTRACTOR AND/OR OWNER IS RESPONSIBLE FOR INSTALLING AND MAINTAINING INSULATION ON ALL ABOVEGROUND PIPING AND FITTINGS IN AREAS SUBJECT TO FREEZING. THE INSULATION MUST NOT INTERFERE WITH ACCESS TO OR READING OF THE BYPASS METER.
5. IF THE BACKFLOW PREVENTION ASSEMBLY IS TO BE ENCLOSED/SCREENED, THEN THE ENCLOSURE/SCREEN MUST MEET THE FOLLOWING CRITERIA:
 - A. THE CLEARANCE BETWEEN THE ENCLOSURE/SCREEN AND THE ASSEMBLY SHALL BE NO LESS THAN 2 FEET.
 - B. IF A RETAINING WALL IS NECESSARY, IT SHALL BE LOCATED OUTSIDE OF THE DISTRICT EASEMENT.
 - C. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ANY ENCLOSURE/SCREEN.
 - D. THE ENCLOSURE/SCREEN SHALL BE CONSTRUCTED TO ALLOW UNRESTRICTED DRAINAGE TO THE STREET.
6. THE BOLTS AND NUTS CALLED FOR ABOVEGROUND SHALL BE 3/4" COATED "BLUE" BOLTS.

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