



DRAIN SIZED FOR POTENTIAL DISCHARGE

CROSS SECTIONAL VIEW
8" SIDE SHOWN

8" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTOR (APOLLO RPLF 4A SERIES OR APPROVED EQUAL) INCLUDES 2 RSGVs AND Y STRAINER

1 SUPPORT PER VALVE

8" FLANGED 90° D.I. BEND

6" FLANGED 90° BEND
(2) 8" FLANGED 90° D.I. BENDS WITH 8" FLANGED D.I. SPOOL AS REQUIRED

(2) 8" FLANGED 90° D.I. BENDS WITH 8" FLANGED D.I. SPOOL AS REQUIRED

8" FLXPE D.I. SPOOL (5' MIN COVER)

18" MIN
8" FLXPE D.I. SPOOL (5' MIN COVER)

FLOW

FLOW

FROM MASTER METER VAULT

18" MIN

8" FLANGED D.I. TEE

8" FLANGED D.I. TEE

8"X6" FLANGED D.I. REDUCER

8"X6" FLANGED D.I. REDUCER

6" FLANGED 90° BEND

6" FLANGED 90° D.I. BEND

PROVIDE ACCESS DOOR

6" FLANGED D.I. SPOOL (LENGTH AS REQUIRED)

6" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTOR (APOLLO RPLF 4A SERIES OR APPROVED EQUAL) INCLUDES 2 RSGVs AND Y STRAINER (CLOSED NORMAL OPERATION)

17'X10' MIN INSULATED BUILDING AND CONCRETE FLOOR

8" WITH 6" BYPASS SHOWN AS EXAMPLE

NOTES:

- 1. PROVIDE AND INSTALL TWO 1" MIN CONDUITS ONE FOR 120 VOLT SUPPLY FOR FREEZE PROTECTION, AND 1 FOR POSSIBLE VALVE POSITION ALARM.

APPROVED BY:

POST FALLS STANDARDS FOR PUBLIC WORKS CONSTRUCTION

[Signature] 4/27/20
CITY ENGINEER, P.E. DATE:

BACKFLOW ASSEMBLY SETTING

STANDARD DRAWING NO. SD 412