

BACKFLOW PREVENTOR AND METER VAULT FOR PRIVATE
FIRE PROTECTION SYSTEMS WITH DOMESTIC WATER METER

NOTE:
METER SHALL BE AS FOLLOWS:
AS SPECIFICALLY SPECIFIED
BY THE TOWN FOR THE
SPECIFIC APPLICATION

NOTE: PIPING FOR DOMESTIC METERS 2" AND
SMALLER SHALL BE TYPE K COPPER WITH COPPER
FITTINGS OR BRASS PIPING WITH CAST BRASS
FITTINGS. PIPE AND FITTINGS FOR METERS
LARGER THAN 2" SHALL BE DUCTILE IRON WITH
FLANGED JOINTS.

MAINTAINED BY
TOWN OF WEAVERVILLE

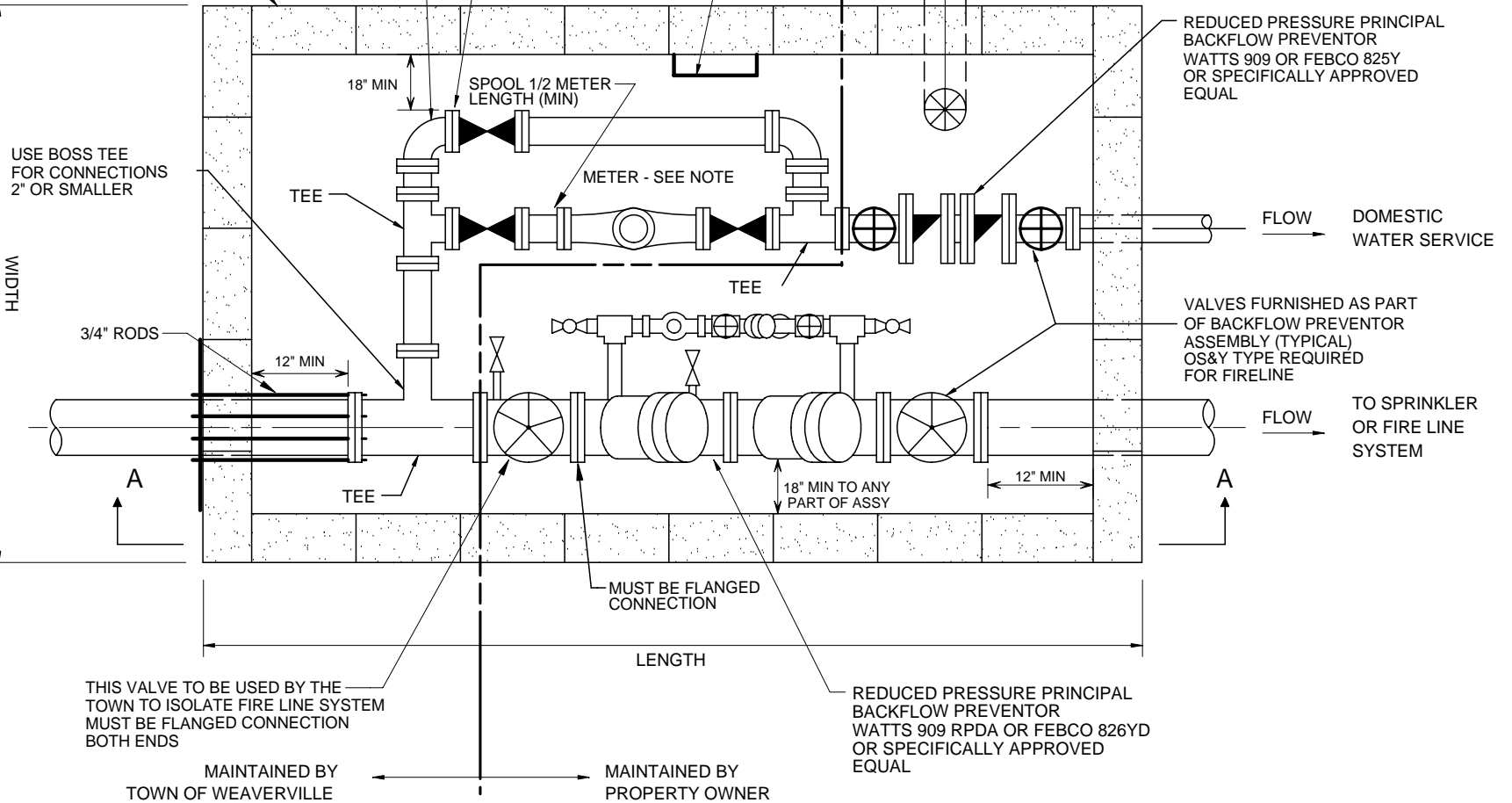
MAINTAINED BY
PROPERTY OWNER

OS&Y GATE VALVE (TYP)
2" & SMALLER - STOCKHAM FIG. B-133
OR - CRANE FIG. 459
3" & LARGER - MUELLER 2360

NOTE: SCH. 40 PVC DRAIN PIPE.
DRAIN MUST BE PIPED TO DAYLIGHT,
FREE DISCHARGE @ MIN. 1% SLOPE.
DRAIN SIZE = 2 X RPZ SIZE, (4" MIN - 8" MAX)
IF DRAIN PIPE CANNOT BE DAYLIGHTED
WITH AN UNDERGROUND PIT, THE RPZ
SHALL BE LOCATED IN AN ABOVE GRADE,
WEATHERPROOF, HEATED, STRUCTURE
WITH A DAYLIGHT DRAIN. FIT OPEN END
OF DRAIN WITH APPROVED FLAP VALVE

8"x 8"x 16" CONC. BLOCK
WATERPROOF EXTERIOR

ACCESS
LADDER



USE BOSS TEE
FOR CONNECTIONS
2" OR SMALLER

18" MIN
SPOOL 1/2 METER
LENGTH (MIN)

METER - SEE NOTE

REDUCED PRESSURE PRINCIPAL
BACKFLOW PREVENTOR
WATTS 909 OR FEBCO 825Y
OR SPECIFICALLY APPROVED
EQUAL

FLOW → DOMESTIC
WATER SERVICE

VALVES FURNISHED AS PART
OF BACKFLOW PREVENTOR
ASSEMBLY (TYPICAL)
OS&Y TYPE REQUIRED
FOR FIRELINE

FLOW → TO SPRINKLER
OR FIRE LINE
SYSTEM

WIDTH

3/4" RODS

12" MIN

18" MIN TO ANY
PART OF ASSY

12" MIN

MUST BE FLANGED
CONNECTION

LENGTH

THIS VALVE TO BE USED BY THE
TOWN TO ISOLATE FIRE LINE SYSTEM
MUST BE FLANGED CONNECTION
BOTH ENDS

REDUCED PRESSURE PRINCIPAL
BACKFLOW PREVENTOR
WATTS 909 RPDA OR FEBCO 826YD
OR SPECIFICALLY APPROVED
EQUAL

MAINTAINED BY
TOWN OF WEAVERVILLE

MAINTAINED BY
PROPERTY OWNER