

CURB BOX BY EWW. CURB BOXES WITHIN PAVED SURFACES MUST UTILIZE A LID WITH A PENTAGON PLUG WHICH ALLOWS THE VALVE TO BE TURNED WITHOUT DISTURBING THE ASPHALT OR CEMENT.

CURB LINE, PROPERTY LINE, OR EASEMENT LINE (EWW DISCRETION)

GROUND

EWV'S RESPONSIBILITY

CUSTOMER'S RESPONSIBILITY

5' MINIMUM DEPTH

BASEMENT WALL

CURB VALVE BY EWW

MINIMUM 3/4" TYPE K SOFT COPPER

PROPER SLEEVE

REQUIRED STOP & WASTE VALVE BY CUSTOMER'S PLUMBER

PRESSURE REDUCING VALVE BY CUSTOMER'S PLUMBER. CONTACT EWW ENGINEERING DEPARTMENT TO DETERMINE IF NECESSARY

METER COUPLINGS BY CUSTOMER'S PLUMBER

REQUIRED DUAL CHECK VALVE (ASSE APPROVED) BY CUSTOMER'S PLUMBER

RECOMMENDED STOP & WASTE VALVE BY CUSTOMER'S PLUMBER

EWV WATER MAIN

PENNDOT #2A COARSE AGGREGATE

FLARE FITTING

WATER METER BY EWW

METER AS CLOSE AS POSSIBLE

REQUIRED GROUND STRAP

BASEMENT FLOOR

(NOT TO SCALE)

CONTINUOUS ROLL OF COPPER

THIS DETAIL EWW - SD - 001 IS FOR DOMESTIC WATER SERVICES WHERE A TESTABLE BACKFLOW PREVENTER IS NOT REQUIRED AND A CONTINUOUS ROLL OF COPPER FROM CURB BOX TO INSIDE WALL OF THE HOUSE OR STRUCTURE CAN BE INSTALLED. ABSOLUTELY NO FITTINGS / SPLICES ARE ALLOWED. A METER PIT OR HEATED ENCLOSURE WILL BE NECESSARY IF THE SERVICE REQUIRES MORE THAN ONE CONTINUOUS ROLL OF COPPER.

NOTES:

1. COMPOUND AND TURBINE METERS REQUIRE STRAIGHT PIPE LENGTHS A MINIMUM OF 4 PIPE DIAMETERS IMMEDIATELY UPSTREAM OF THE STRAINER/METER AND A MINIMUM OF 4 PIPE DIAMETERS DOWNSTREAM OF THE STRAINER/METER AND BEFORE ANY OTHER APPURTENANCES. 3/4" TO 2" T-10 TYPE METERS DO NOT REQUIRE MINIMUM STRAIGHT PIPE LENGTHS UPSTREAM AND DOWNSTREAM OF THE METER. CONTACT EWW ENGINEERING DEPARTMENT IN ADVANCE TO DETERMINE REQUIRED METER TYPE.
2. SCHEDULE AN INSPECTION WITH THE EWW ENGINEERING DEPARTMENT AT LEAST 24 HOURS PRIOR TO INSTALLING AND BACKFILLING SERVICE LINE.
3. ALL EWW SPECIFICATIONS MUST BE MET BEFORE WATER SERVICE IS INITIATED.
4. THERMAL EXPANSION SHALL BE ADDRESSED BY CUSTOMER'S PLUMBER. CHECK LOCAL PLUMBING CODES FOR REQUIREMENTS.
5. FOR DOMESTIC SERVICES 4" AND LARGER, OR ANY PROPOSED SERVICE CONFIGURATION DIFFERENT THAN ILLUSTRATED HERE, AN ENGINEERED PLAN MUST BE SUBMITTED TO THE EWW ENGINEERING DEPARTMENT FOR APPROVAL.
6. ALL PIPING SHALL BE TYPE K SOFT COPPER FROM THE WATER MAIN TO THE CUSTOMER'S STOP & WASTE VALVE, WHICH MUST BE CONNECTED TO THE TYPE K COPPER USING A SOLDER, FLARE, OR PROPRESS FITTING. COMPRESSION FITTINGS ARE NOT PERMISSIBLE. ONLY COPPER AND/OR BRASS PIPE AND FITTINGS CAN BE UTILIZED TO THE BACKFLOW PREVENTER.
7. ALL PIPES, FITTINGS, AND FIXTURES IN CONTACT WITH POTABLE WATER SHALL BE LEAD FREE PER THE REDUCTION OF LEAD IN DRINKING WATER ACT AND NSF/ANSI STANDARD 61 (NSF-61).
8. ALL MATERIALS FURNISHED AND INSTALLED MUST COMPLY WITH THE PENNSYLVANIA STEEL PRODUCTS PROCUREMENT ACT.
9. **ANY MODIFICATION MUST BE APPROVED BY THE EWW ENGINEERING DEPARTMENT IN ADVANCE.**

DOMESTIC SERVICE (CONTINUOUS ROLL OF COPPER)

DRAWN BY: RD APPROVED BY: CP
DATE: MAR 2020 EWW - SD - 001

ERIE WATER WORKS
240 West 12th Street
Erie, PA 16501
engineering@eriewaterworks.org

