

PLEASE COMPLETE AND RETURN TO:
 ERIE WATER WORKS ENGINEERING DEPARTMENT
 240 WEST 12TH STREET, ERIE, PA 16501
 PH: (814) 870-8000 EXT 207, FAX: (814) 870-8011
 backflowprevention@eriewaterworks.org

RESIDENTIAL / NON-RESIDENTIAL (circle)
 NAME: _____
 SERVICE ADDRESS: _____
 PLUMBER NAME: _____
 DATE SUBMITTED: _____

BACKFLOW PREVENTER (BFP): _____

TYPE: (circle) RPBA OR DCVA
 MAKE: _____ MODEL: _____ SIZE: _____

APPROVED BY: _____

HEATED ENCLOSURE: _____

DATE APPROVED: _____

MAKE: _____ MODEL: _____ SIZE: _____

APPROVAL RETURNED: _____

CUSTOM BUILT: _____

ASSE 1060 COMPLIANT: (circle) Y / N

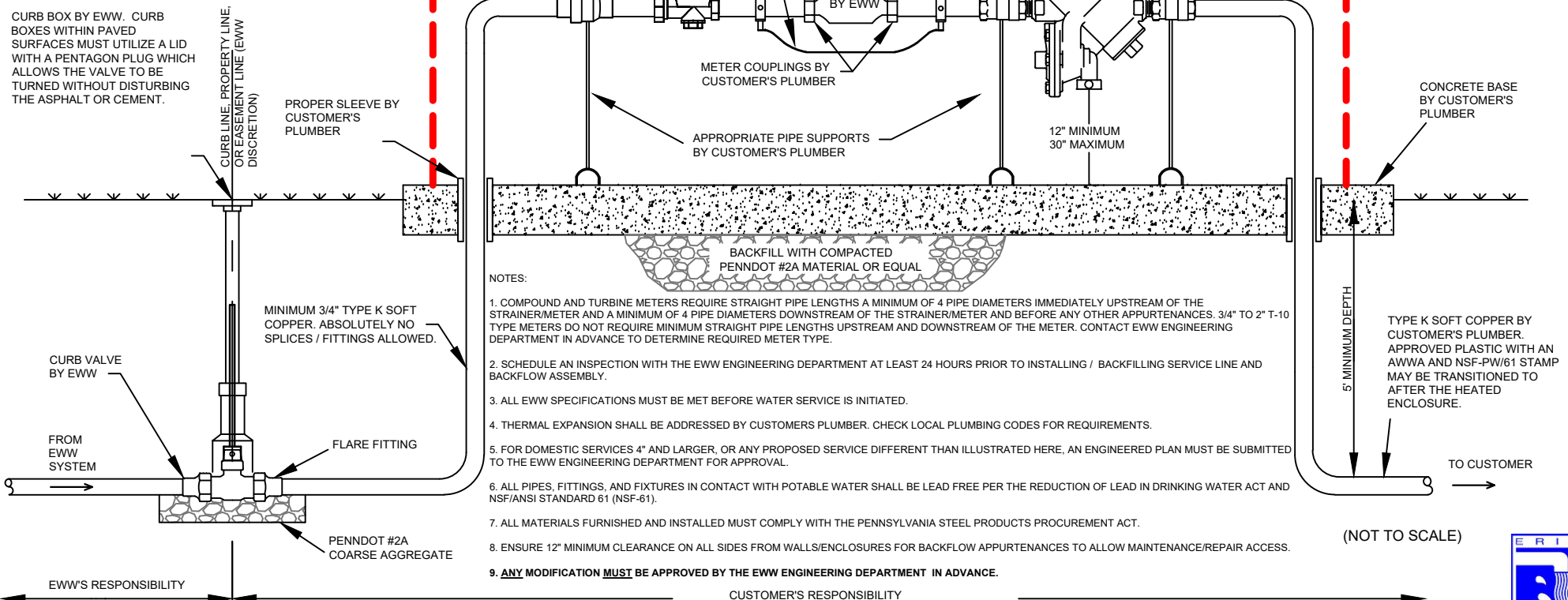
CUSTOM BUILT ENCLOSURES MUST BE SUBMITTED FOR REVIEW

THIS DETAIL EWW-SD-005 IS FOR DOMESTIC WATER SERVICES WHERE A TESTABLE BACKFLOW PREVENTER IS REQUIRED AND WHERE A CONTINUOUS ROLL OF COPPER FROM CURB BOX TO INSIDE WALL OF THE HOUSE OR STRUCTURE CAN NOT BE INSTALLED.

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 PROGRESS FITTING. COMPRESSION FITTINGS ARE NOT PERMISSIBLE. ONLY COPPER AND/OR BRASS PIPE AND FITTINGS CAN BE UTILIZED TO THE BACKFLOW PREVENTER.

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.

PROPER SLEEVE BY CUSTOMER'S PLUMBER



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 / BACKFILLING SERVICE LINE AND BACKFLOW ASSEMBLY.
3. ALL EWW SPECIFICATIONS MUST BE MET BEFORE WATER SERVICE IS INITIATED.
4. THERMAL EXPANSION SHALL BE ADDRESSED BY CUSTOMERS PLUMBER. CHECK LOCAL PLUMBING CODES FOR REQUIREMENTS.
5. FOR DOMESTIC SERVICES 4" AND LARGER, OR ANY PROPOSED SERVICE DIFFERENT THAN ILLUSTRATED HERE, AN ENGINEERED PLAN MUST BE SUBMITTED TO THE EWW ENGINEERING DEPARTMENT FOR APPROVAL.
6. 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).
7. ALL MATERIALS FURNISHED AND INSTALLED MUST COMPLY WITH THE PENNSYLVANIA STEEL PRODUCTS PROCUREMENT ACT.
8. ENSURE 12" MINIMUM CLEARANCE ON ALL SIDES FROM WALLS/ENCLOSURES FOR BACKFLOW APPURTENANCES TO ALLOW MAINTENANCE/REPAIR ACCESS.
9. ANY MODIFICATION MUST BE APPROVED BY THE EWW ENGINEERING DEPARTMENT IN ADVANCE.

HEATED ENCLOSURE (HOT BOX OR EQUIVALENT) WITH ADEQUATE DRAINAGE BY CUSTOMER'S PLUMBER IN CONFORMANCE WITH ASSE 1060, OSHA GUIDELINES AND STATE AND LOCAL BUILDING OR OTHER APPLICABLE CODES.

BACKFLOW PREVENTER ASSEMBLY BY CUSTOMER'S PLUMBER (SUBMIT INFO TO EWW ENGINEERING FOR APPROVAL PRIOR TO INSTALL). IF RPBA OR RPDA, PROPER DRAINAGE AND AIR GAP IS REQUIRED.

CONCRETE BASE BY CUSTOMER'S PLUMBER

TYPE K SOFT COPPER BY CUSTOMER'S PLUMBER. APPROVED PLASTIC WITH AN AWWA AND NSF-PW/61 STAMP MAY BE TRANSITIONED TO AFTER THE HEATED ENCLOSURE.

(NOT TO SCALE)

DRAWN BY: RD APPROVED BY: CP
 DATE: MAR 2020 EWW - SD - 005

DOMESTIC SERVICE (3/4" - 2") WITH BFP (ENCLOSURE)

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