

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) RPDA OR DCDA  
 MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_ SIZE: \_\_\_\_\_  
 HEATED ENCLOSURE: \_\_\_\_\_  
 MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_ SIZE: \_\_\_\_\_  
 CUSTOM BUILT: \_\_\_\_\_  
 ASSE 1060 COMPLIANT: (circle) Y / N  
 CUSTOM BUILT ENCLOSURES MUST  
 BE SUBMITTED FOR REVIEW

APPROVED BY: \_\_\_\_\_  
 DATE APPROVED: \_\_\_\_\_  
 APPROVAL RETURNED: \_\_\_\_\_

THIS DETAIL EWW-SD-007 IS FOR A FIRELINE WHERE A CONTINUOUS ROLL OF COPPER FROM CURB BOX TO INSIDE WALL OF THE HOUSE OR STRUCTURE CAN NOT BE INSTALLED.

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

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

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

BACKFLOW PREVENTER ASSEMBLY BY CUSTOMER'S PLUMBER (SUBMIT INFO TO EWW ENGINEERING FOR APPROVAL PRIOR TO INSTALL). IF RPDA, PROPER DRAINAGE IS REQUIRED. THE METER SHALL BE A NEPTUNE T10 E-CODER R9001 (PIT VERSION) RADIO READ 5/8" METER PROVIDED BY EWW. THE BYPASS BFP MUST BE APPROVED BY EWW.

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.

CONCRETE BASE BY CUSTOMER'S PLUMBER

APPROPRIATE PIPE SUPPORTS BY CUSTOMER'S PLUMBER

12" MINIMUM  
30" MAXIMUM

BACKFILL WITH COMPACTED PENNDOT #2A MATERIAL OR EQUAL

NOTES:

- SCHEDULE AN INSPECTION WITH THE EWW ENGINEERING DEPARTMENT AT LEAST 24 HOURS PRIOR TO INSTALLING AND BACKFILLING SERVICE LINE AND METER PIT.
- ALL EWW SPECIFICATIONS MUST BE MET BEFORE WATER SERVICE IS INITIATED.
- FIRE SUPPRESSION SYSTEMS WITH CHEMICALS WILL REQUIRE A REDUCED PRESSURE DETECTOR ASSEMBLY. SYSTEMS WITH PRIVATE HYDRANTS WILL REQUIRE A REDUCED PRESSURE DETECTOR ASSEMBLY.
- DOUBLE CHECK DETECTOR ASSEMBLIES MAY BE ALLOWED IN AN APPROVED UNDERGROUND STRUCTURE WITH EWW ENGINEERING DEPARTMENT'S ADVANCED APPROVAL.
- 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). LEAD FREE IS DEFINED AS CONTAINING NOT MORE THAN A WEIGHTED AVERAGE OF 0.25 PERCENT LEAD WHEN USED WITH RESPECT TO THE WETTED SURFACES OF PIPES, PIPE FITTINGS, PLUMBING FITTINGS, AND FIXTURES.
- ALL MATERIALS FURNISHED AND INSTALLED MUST COMPLY WITH THE PENNSYLVANIA STEEL PRODUCTS PROCUREMENT ACT.
- ENSURE 12" MINIMUM CLEARANCE ON ALL SIDES FROM WALLS/ENCLOSURES FOR BACKFLOW APPURTENANCES TO ALLOW MAINTENANCE/REPAIR ACCESS.
- ANY MODIFICATION MUST BE APPROVED BY THE EWW ENGINEERING DEPARTMENT IN ADVANCE.**

4.5' TO 5'  
MINIMUM DEPTH

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.

TO CUSTOMER

(NOT TO SCALE)

CURB VALVE BY EWW

MINIMUM 3/4" TYPE K SOFT COPPER. ABSOLUTELY NO SPLICES / FITTINGS ALLOWED.

FROM EWW SYSTEM

PENNDOT #2A COARSE AGGREGATE

FLARE FITTINGS

EWV'S RESPONSIBILITY

CUSTOMER'S RESPONSIBILITY

DRAWN BY: SB APPROVED BY: CP  
 DATE: FEB 2018 EWW - SD - 007

## FIRELINE 2" AND SMALLER (ENCLOSURE)

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

