

This addendum is issued for the purpose of clarifying, amending or revising certain information contained in the DGSSMS Documents. This Addendum No. 1 shall form an integral part of the DGSSMS Documents, **and as such has been attached to the document.**

The following changes, clarifications, additions and/or substitutions shall be incorporated into the pertinent portions of the DGSSMS Documents as follows:

1. Remove paragraph **D.2.3.6 Source Water Connection** from the 2021 DGSSMS Update and replace it with:

D.2.3.6 Source Water Connection

The connection of the temporary water system to the existing distribution system shall be done in a secure location and be vandal and tamper resistant. A backflow preventer is required to separate the two systems as long as the temporary system is in service. The backflow preventer shall be a reduced pressure type assembly and shall be installed, maintained, and field-tested in accordance with the latest edition of CAN/CSA-B64.10.

At the beginning of the project on the first installation and all subsequent relocations, a certificate of operation shall be completed by an appropriately licensed technician and submitted to the Chief Municipal Engineer prior to the backflow preventer being put into service. Source water connections to fire hydrants are discouraged unless the Contractor can demonstrate that the hydrant has been disinfected and thoroughly flushed. The Municipality assumes no responsibility for the quality of water obtained from a hydrant. After disinfection, the hydrant shall be pressurized at all times that it serves as a source of potable water.

Where meters are required by the municipality they shall be installed upstream of the backflow prevention device.

For the **City of Guelph** the backflow prevention device (~~double check valve~~ or reduced pressure type assembly) must be certified by a certified tester and inspected by the Backflow Prevention Officer prior to being placed in service. Proper support of the device similarly as shown in City of Guelph Linear Infrastructure Standards will also be a requirement for approval.

2. Remove paragraph **D.2.4.4 Temporary Connection and Backflow Preventer** from the 2021 DGSSMS Update and replace it with:

D.2.4.4 Temporary Connection and Backflow Preventer

To facilitate watermain commissioning, a temporary connection to the existing water distribution can be made through the use of a temporary or “jumper” connection equipped with a backflow preventer as detailed in the SSMS standard drawing E2-17. The connection to the existing distribution system shall be done in a secure location and be vandal and tamper resistant and shall be no larger than 50 mm diameter. Multiple jumpers or larger connections are acceptable with the approval of the Chief Municipal Engineer.

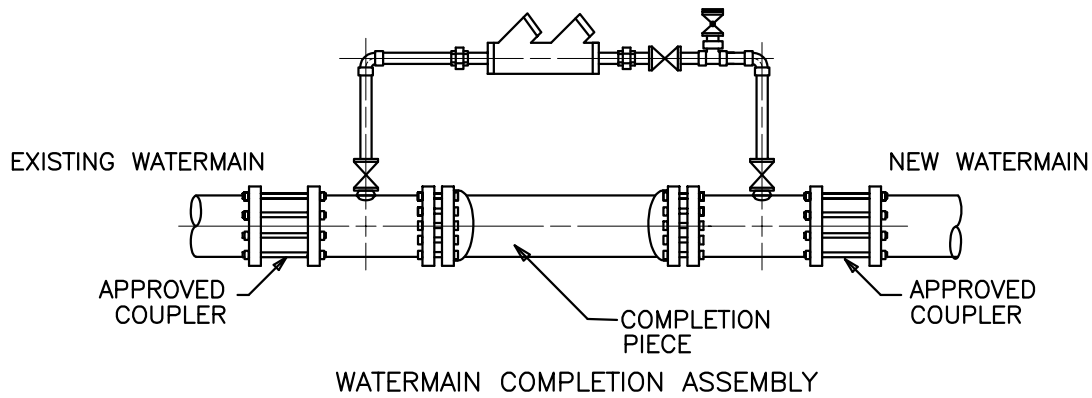
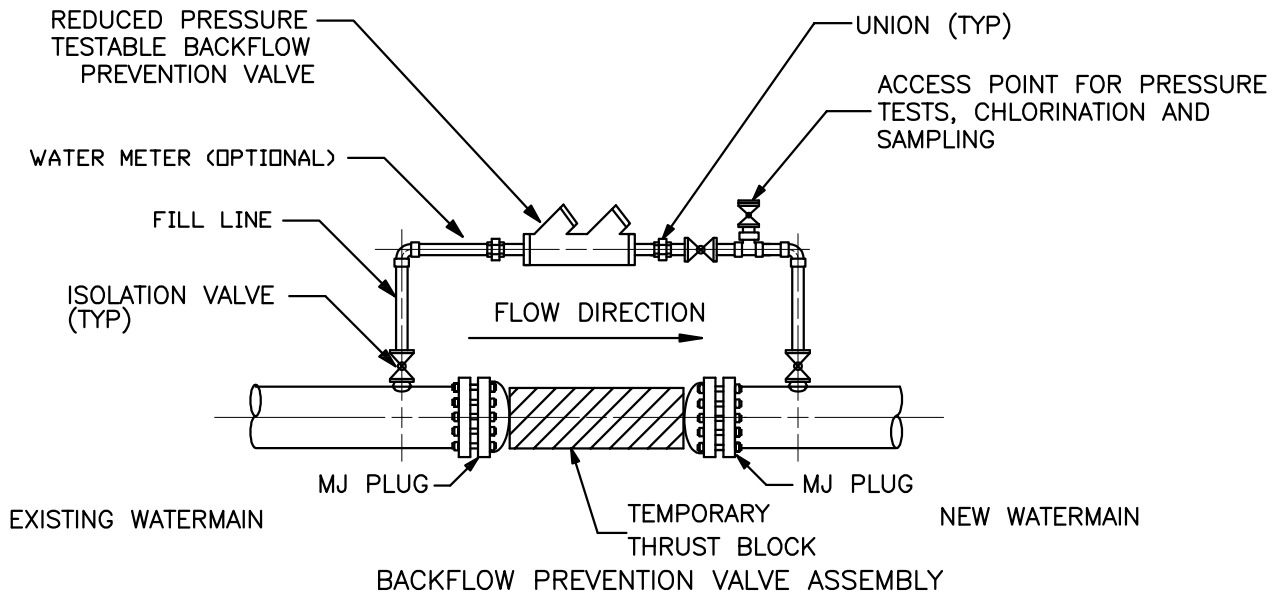
The backflow preventer shall be ~~a double check~~ or a reduced pressure type assembly and shall be installed, maintained, and field-tested in accordance with the latest edition of CAN/CSA-B64.10.

At the beginning of the project on the first installation, and all subsequent relocations, a certificate of operation shall be completed by a licensed plumber and submitted to the Chief Municipal Engineer prior to the backflow preventer being put into service. The backflow preventer must be re-certified when the unit is relocated. The existing distribution systems and the backflow preventer shall be physically disconnected from the test section during hydrostatic testing.

3. Remove SSMS E2-17 from the 2021 DGSSMS Update and replace it with attached modified E2-17

Attachment

----- END OF ADDENDUM NO. 1



NOTES:

1. THE BACKFLOW PREVENTION VALVE ASSEMBLY SHALL BE REMOVED DURING WATERMAIN PRESSURE TESTS.
2. THE FINAL CONNECTION OF THE WATERMAIN SHALL BE COMPLETED ONLY AFTER AUTHORIZATION BY THE MUNICIPALITY.
3. THE WATERMAIN SHALL BE DRAINED BY CONTROLLED MEANS. SUFFICIENT TRENCH DEWATERING CAPACITY SHALL BE USED WHEN THE EXISTING AND NEW WATERMAINS ARE DRAINED PRIOR TO THE FINAL CONNECTION TO ENSURE NO BACKFLOW INTO EITHER WATERMAIN.
4. THE WATERMAIN SHALL BE CUT BACK TO REMOVE THE TAPPING POINTS OF THE BACKFLOW PREVENTION VALVE ASSEMBLY.
5. ALL NEW PIPING AND APPURTENANCES PLACED IN THE CONNECTION SHALL BE THOROUGHLY DISINFECTED WITH 1% SOLUTION OF SODIUM HYPOCHLORITE OR EQUIVALENT.
6. ON NON-METALIC WATERMAINS, THE TRACING WIRE SHALL BE CONNECTED TO THE COUPLER ONLY IF THE COUPLER IS NOT IN CONTACT WITH A METALIC WATERMAIN OTHERWISE TERMINATE TRACER WIRE WITH AN ANODE.
7. A PHYSICAL SEPARATION MUST BE MAINTAINED AT ALL CONNECTION POINTS OF NEW WATERMAINS TO THE EXISTING SYSTEMS UNTIL BACTERIOLOGICAL TESTS HAVE PASSED. A SAMPLING TAP MUST BE PROVIDED AT THE END OF EACH BRANCH OR STUB.
8. ONLY MUNICIPAL STAFF SHALL OPERATE MUNICIPALITY OWNED VALVES.
9. THIS DETAIL IS FOR SCHEMATIC INFORMATION ONLY. THE ACTUAL CONFIGURATION USED MUST SATISFY THE INTENT OF THIS DRAWING.