

# Double Check Detector Assemblies – Type I

Notify - This may include the owner, the fire department, and/or alarm system operator.

Identify

Inspect

Observe – **Record the bypass water meter reading before testing**

Test the bypass assembly first

Follow same procedure as for a DCVA

Leave the shut-off valve #2 on the bypass assembly in closed position

Test the mainline assembly second

Follow same procedure as for a DCVA

Leave shut-off valve #2 of the mainline assembly in the closed position

Verify Detection of Flow through bypass

Open shut-off valve #2 of the bypass assembly

Open test cock #4 on mainline assembly\*

Verify that bypass water meter indicates flow

\* if test cock #4 for mainline valve is located on bypass piping you also need to verify bypass piping is not plugged by:

Close shut-off valve #1 on bypass, slowly open test cock #4. If water flows freely, than bypass piping is not plugged.

Return to Service – Slowly open all shut-off valves

**Record the bypass water meter reading when you are done testing**

Notify appropriate parties that service is restored

Fill out test report completely, accurately, and legibly

# Double Check Detector Assemblies – Type II

Notify - This may include the owner, the fire department, and/or alarm system operator.

Identify

Inspect

Observe – **Record the bypass water meter reading before testing**

Test the bypass single check assembly first

Test like any other check valve on a DCVA

Leave the shut-off valve #2 on the bypass assembly in closed position

Test the mainline assembly second

Follow same procedure as for a DCVA

Leave shut-off valve #2 of the mainline assembly in the closed position

Verify Detection of Flow through bypass

Open shut-off valve #2 of the bypass assembly

Open test cock #4 on mainline assembly\*

Verify that bypass water meter indicates flow

\* if test cock #4 for mainline valve is located on bypass piping you also need to verify bypass piping is not plugged by:

Close shut-off valve #1 on bypass, open shut-off valve #1 on mainline, slowly open test cock #4. If water flows freely, than bypass piping is not plugged.

Return to Service – Slowly open all shut-off valves

**Record the bypass water meter reading when you are done testing**

Notify appropriate parties that service is restored

Fill out test report completely, accurately, and legibly

**May need to talk to water purveyor on how they want the test report filled out for a type II assembly**