

CITY of NORTH CANTON

Water Service Notes For Cross Connections

Revised: 2-3-2020

1. A stamped approved Site/Utility Plan, by the City of North Canton, showing the proposed water service (i.e. cross connection) will be required to obtain a plumbing permit from the City of North Canton pursuant to Ohio Environmental Protection Agency (OEPA), Division of Drinking and Ground Waters rule 3745-95-02. The plan must show the complete water service system to and including the backflow prevention device, OEPA rule 3745-95-06. After approval by the City of North Canton, any changes to the Site/Utility Plan will require reapproval by the City of North Canton.
Approval by the City of North Canton does not relieve the designer and contractor from their responsibility to follow all requirements of the OEPA, NFPA24, and the State of Ohio.
2. The Contractor installing the water service must obtain the plumbing permit and be registered with the City of North Canton Permits and Inspections Department. Please call 330-499-5557 for additional information and fees.
3. Additional permits and/or fees from other governmental jurisdictions may be required when working outside the City of North Canton corporate limits.
4. All water services must be inspected by the City of North Canton Permits & Inspections Department. Please call 330-499-5557, 24 hours in advance of starting construction, to schedule inspection(s).
5. If the water service is also serving as a fire service line, it must be installed by a State of Ohio certified fire installation contractor and pass inspection by the governing fire authority. This fire service line shall be designed and installed to meet all requirements of the National Fire Protection Association, (NFPA24), most recent edition.
6. All water services must have a valve/curb box located within a designated public right-of-way or easement to the City of North Canton. This valve/curb box will designate the point of connection where the City of North Canton's maintenance responsibility ends and the property owner's responsibility begins. Proper documentation of the recorded easement will be required.
7. Contractor is required to submit "Shop Drawings" of all materials, parts, and equipment which they propose to use for approval by the City of North Canton. Any of the above which is installed and not approved may be required to be removed, at Property Owners expense. Until all of the above is approved the service valve shall remain closed.

8. Water service Material:
 - A. Services two (2) inches and smaller shall be Type "K" copper.
 - B. Services, and fittings, larger than two (2) inches shall be Ductile Iron, Class 52.
9. All water service taps will be performed in accordance with the City of North Canton Codified Ordinance 935.02. Please call the City of North Canton water distribution department, 330-499-1528 to arrange the water service tap-in. No water service tap-in will be performed until the plumbing permit has been obtained.
10. Residential domestic water services must be metered. However, a backflow prevention device will not be required for services two (2) inches and smaller unless there is a lawn irrigation system or other water supply located on the property.
11. Commercial/Industrial domestic water services must be metered and have a "Reduced Pressure Containment Principle" backflow device installed. If the proposed building requires more than one (1) water service, each water service must be split outside the building and have a separate shut-off valve located outside the building along with a separate meter and backflow inside the building.
12. When required, each fire service line must have an approved containment principle backflow pressure device installed inside the building. The outlet end of the backflow device shall be deemed the point of delivery for the consumer. Any fire department connection must be connected downstream of this backflow prevention device. Water meters will not be required on fire service lines. The designer of the fire suppression system must meet all requirements of Ohio Administrative Code (OAC) Chapter 3745-95, City of North Canton Codified Ordinance 935.10, and NFPA24. An approved fire suppression plan must be on file with the City of North Canton before final approval of the cross connection. This fire suppression plan must show the type of backflow device being used including make and model, per OAC chapter 3475-95-06 along with justification on how the "degree of hazard" was determined, per OAC chapter 3745-95-05. The City of North Canton has the final determination on the appropriate containment principle backflow prevention device, per OAC chapter 3745-95-04.
13. When required, fire hydrants shall conform to City of North Canton specifications. Fire hydrants located outside the City of North Canton corporation limits shall have hydrant threads meeting the requirements of the governing fire authority.

14. When a fire hydrant is located on a private water service line, it will be deemed a "private fire hydrant". The City of North Canton will paint a blue ring around the bonnet base to indicate the fire hydrant is a private and must be maintained by the property owner.
15. When required, gate valves shall conform to City of North Canton specifications.
16. The Contractor is responsible for all disinfecting and pressure testing of the new water service. Disinfecting and pressure testing shall meet the requirements of the OEPA and City of North Canton. Please contact the City of North Canton water distribution department, 330-499-1528, for direction and assistance.
17. The Contractor is responsible for maintaining all required horizontal and vertical clearances between the water service and other utility conduits pursuant to OEPA requirements. If a conflict occurs during construction, the Contractor must notify the Design Engineer to correct the conflict.
18. The Contractor shall maintain an "as-built" drawing for the entire water service showing all field changes. Upon approval of all testing the Contractor must give a copy of the "as-built" drawing to the City of North Canton Permits and Inspections Department inspector. Water service shall not be granted until this "as-built" drawing is verified and approved by the City of North Canton.
19. The Contractor is responsible for all restoration and clean-up associated with the installation of the water service within the public right-of-way and easement.
20. The Contractor shall not operate existing water valves on the City of North Canton water distribution system. Please contact the City of North Canton water distribution department, 330-499-1528, for assistance.