

**RESOLUTION NUMBER: 01-04**

**Bessemer Township  
GOGEBIC COUNTY, MICHIGAN**

**Bessemer Township Water System  
WATER SERVICE CONNECTION SPECIFICATIONS**

ALL SERVICE CONNECTIONS ON EITHER PRIVATE OR PUBLIC PROPERTY SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS AS SET FORTH BY THE BESSEMER TOWNSHIP BOARD. (Additional requirements may be enforced by the Michigan Department of Environmental Quality-Drinking Water and Radiological Protection Division and/or the Gogebic County Health Department).

**1. Water Service Connections.**

- A. All water service connections on either private or public property shall be laid on a solid bottom not less than six (6) feet below established grade. Water service connections shall be installed in accordance with State and Local building regulations.
  
- B. All water service pipes shall be minimum grade Type “K”, or better, soft temper copper, not less than 1-inch in diameter extending from the main to the curb stop. All corporations or curb stops shall be at least ¾” extra heavy, round way, stop placed 2.0 feet inside the road right-of –way line. The top of the stop box shall be placed so that it is never below the grade or over three inches above grade and must be set on a concrete foundation to prevent settlement. Curb stop boxes shall be Minneapolis base extension type, with 2 ½” shaft with a lid. Pipe from the main to the curb stop shall be of minimum grade Type “K” soft temper copper not less than 1-inch in diameter. Service Tapping Saddles are prohibited except as required for the following size taps or larger:

<u>Main Size</u>	<u>Size Tap Requiring Saddle</u>
6”	1 ¼” or larger
8”	1 ½” or larger
10”	2” or larger

- C. A separate ball valve and waste cock, must be placed on the water service line pipe just inside the building wall so that water may be turned off and drained from the pipe in case of accident or in order to make repairs. Such stop shall be equal in quality to the curb stop. A meter horn is required

beyond the ball valve and waste cock to provide a meter installation point for ¾” and 1” meters.

- D. Water service pipe from main including the curb stop shall be maintained by the Township. The water service pipe from the curb stop to the meter shall be the responsibility of the owner of the premises. Stop boxes shall be kept free from dirt, stones or other substances that will prevent access to the curb stop and if found in such condition shall immediately be cleaned out by the user. If after due notice the user fails to clean out such stop boxes, the Township will proceed with the work and bill the user for the cost thereof.
- E. All water service pipe on private property shall be installed under the supervision of the Bessemer Township Board or their representative. No trench shall be backfilled until inspected and approved by an authorized representative of the Township Board. There shall be no joints between the curb stop and the meter unless commercial lengths of pipe are not available to allow for this provision (in the event of excessive building setbacks). All joints between the main and the meter shall be three piece flared type joint or approved compression type fittings. No person shall interfere in any way with water service pipes installed by the Township. No person is permitted to turn water on or off at the curb stop except an authorized representative of the Township. Any plumber called upon to shut off water and drain pipes in any premises shall do so inside the building only. The license of any plumber violating the provisions of this paragraph shall be revoked.
- F. All old water service pipes requiring repairs shall be replaced under the same regulation as required for new services. When an existing water service pipe extending from the main to the building requires repairs or replacement, it shall be replaced only by materials as approved by the Bessemer Township Board. Under no conditions shall iron or plastic water service pipe be repaired. Upon the appearance of a leak in an iron or plastic water service pipe, the owner of the premises shall immediately install Type “K” soft temper copper pipe from the main to the curb stop and from the curb stop to the meter.
- G. All holes or trenches dug in the public streets or alleys shall be backfilled to a minimum of 95% density by thoroughly tamping dry sand in layers not to exceed 6 inches. All excavated material shall be entirely removed from the street. Excavated material that is wet or otherwise unfit for backfill, shall be entirely removed and the backfilling done with suitable dry sand hauled in for that purpose.
- H. Tunneling under streets will not be permitted except by special written permission of the Gogebic County Road Commission and/or the Bessemer

Township Board. Open cuts shall be allowed with prior written approval of the Gogebic County Road Commission and/or the Bessemer Township Board.

- I. Connections under hard surfaced paving shall be made only by boring or jetting with the prior written approval of the Gogebic County Road Commission, Michigan Department of Transportation and the Bessemer Township Board.
- J. The cost of repair and/or maintenance of streets and alley surfaces, pavements, sidewalks and boulevards, where holes or trenches have been dug, shall be paid for by the person requiring the connection.
- K. No water service from the meter to the main shall be covered until approved by a representative of the Bessemer Township Board as to location and installation.
- L. Before an owner, user or contractor installs a water service pipe from the meter to the main, he shall obtain the location of the end of the water service pipe at the right-of-way line. The end point of the water service pipe shall be located so that the water service pipe shall be installed in a straight perpendicular line to the water main, and there are no obstructions such as driveways, manholes, trees, fire hydrants or any other obstacles.
- M. All connections to the system shall be made by a state licensed contractor with the proper tools and equipment for performing connections to the System's mains. All contractors that desire to make connections shall be issued a permit by the Township.
- N. All water mains on private property, 6 inches or larger with fire hydrants, shall be installed at the property owner's expense and shall meet all required applicable local and state standards and requirements and shall be deeded to the Township by the property owner, and at his expense the property owner shall provide a recorded easement sufficient for maintenance and repair of the main.

**CALL "MISS DIG" BEFORE YOU DIG! 1-800-482-7171**  
**This is the property owner or his contractor's responsibility!**

**FOR DEPARTMENT USE ONLY:**

Inspected by: \_\_\_\_\_ Date: \_\_\_\_\_

Approved: Yes [ ]                      No [ ]

Comments: