

Construction Requirements for the Town of West Bridgewater Water System

Residential Construction Requirements

Application for Connection: Any person that does not have an existing water service line from the water main to the property line already installed must make application and pay the fees by November 15. No connections will be made between November 15 and April 15. Any applications received during that period will be installed after April 15 in the order in which they were received after payment of fee. (Construction of new homes in subdivisions where the water services installed from the water main to the property line have already been installed can be turned on year round as long as an application is made and fees are paid in full).

Water Service

1. Before work can begin all fees must be paid to the Water Department.
2. No flare fittings are allowed anywhere.
3. Soft K copper must be used from the main to the curb stop.
4. Only Mueller brass can be used in the water system, all compression fittings.
5. Curb stops will be used on the property line. It will be Mueller compression with a drip.
6. A single plug Erie box will be used at the property line.
7. All service taps in ductile iron will be direct tapped.
8. All service taps in A.C. or C-900 must be tapped with a bronze saddle. It should be double banded bronze Smith Blain Style 323. It will have bronze straps
9. Between the curb box at the property line and the house Endo-pure plastic with built in tracer wire or K copper will be used.
10. All service lines have to be held 10' off of all components of the septic system.
11. Water service lines will be the same size from the main to the meter unless the upgrade fee is paid.
12. All service lines will be bedded in a foot of washed sand.
13. 48 hour notice is to be given to the Water Department before work can be started.
14. All work will be inspected by the Water Department before work is buried.
15. All water services should have four feet of fill over the top.

Water Main

1. Ductile iron or C-900 can be used.
2. Ductile iron will be Class 52 350 lbs PSI; 8" main will be the minimum size for residential and 12" mains will be the minimum size used in the industrial area.
3. All water mains should have four feet of fill over the top.

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Pressure Tests & Disinfection

1. 2 hour test; first 15 minutes 200 lbs. PSI; 1 hour 45 minutes at 180 lbs. PSI
2. All service taps need to be completed before pressure test in new construction.
3. All gates on hydrants will be on during test.
4. All bacteria tests will be run by a 3rd party.

Water Main Fitting

1. Ductile iron fittings shall be used with tar coating and cement lining.
2. All fittings will be mechanical joint.
3. Field lock, standard or megalug can be used.

Valves

1. All valves will open on the left.
2. All valves will be resilient seated with epoxy coating.
3. Valves will be US pipe or Mueller.
4. All valves over 12" will be butterfly.
5. All gates will be fitted with a Posi cap.

Gate Boxes

1. All gate boxes will be American made.

Hydrants

1. All hydrants will open at the left
2. Hydrants will have a steamer and (2) 2 ½ hose fittings.
3. Manufacturers accepted are Mueller Centurian.
4. Hydrants will be 5'6" long with a 5.25 base inlet.
5. All hydrants will be set up with ear spring mounted snow flags.
6. All hydrants will have a 6" resilient seated valve on the hydrant run.
7. All hydrant gates are to be tied to an anchor tee.

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Subdivision Construction Requirements

Before starting: Before work can begin plans must be approved by the Board of Water Commissioners at a public meeting. You should bring plan to the office located at 29 Cyr Street for review by the Superintendent, Wayne Parks, for review and you will be placed on the agenda (regular Board meetings are held the first and third Wednesday of the month at 29 Cyr Street). A road cut permit must be applied for from the Board of Selectmen's office located at 65 North Main Street. Curb cut permit must also be applied for from the Board of Selectmen.