

Bloomington Township Public
Water District
User Information Packet
Water and Sanitary Sewer Service

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BLOOMINGTON TOWNSHIP PUBLIC WATER DISTRICT

I. WATER SERVICE CONNECTIONS

General Information: Water service will be furnished only to users who have filed an application with the Water District and who have paid the appropriate fees.

Water rates as shown in the latest revision of Ordinance 11 shall begin as soon as water service has been made available to the user. First and subsequent payments shall be made at the end of each monthly billing period, even though the user may not be occupying the premises and/or using water. Where service is not yet available (water main still being installed, etc.) the Water District will notify all users in advance of the date water service will be available and connection to the system will be permitted.

The Water District shall own and maintain the complete water system including water mains and water service lines to water meter pits or water shut off valves. The Water District shall also own and maintain a meter and appurtenances including a shut off valve all to be located inside a water meter pit.

The water meter pits or water shut off valves will be located at or near the users' property line or on the users property as required by the Water District.

Water Meter Installed Inside the Users' Premises: At the District's discretion, the water meter may be located inside the users' premises. A remote read device shall then be installed with the water meter. A separate water shut off valve shall be installed at or near the users property line at an accessible location.

The water meter must be located in an accessible location and must be protected from all physical damage including freezing. The remote read device shall be located on the building exterior at an accessible location. Interconnection between the remote read device and the water meter will be with a pair of thermostat type wires.

The District reserves the right to inspect all meters and remote read devices for billing and maintenance purposes.

New Water Service Installation: The user is responsible for installation and maintenance of service lines between the meter pit (or water shut off valve) and the residence to be served. Service lines must be at least 1 inch diameter and be installed at a minimum depth of 4 feet. If the length of the service line to be installed by the user exceeds approximately 100 feet, a larger diameter service pipe may be recommended. Unusual conditions may require a larger diameter service line.

The following items should be considered by the user when deciding on a location for the water service line (between residence and the water meter pit or shut off valve) which in turn will establish the best location for the meter pit or shut off valve.

1. Determine the shortest route between the water meter pit or shut off valve and the residence to be served. Minimize bends and turns as much as practical. Consideration should be given to the protection of bushes, trees, driveways, etc.

2. Water mains and water service lines shall be separated from septic tanks disposal fields and seepage beds by a minimum of 75 feet.
3. A 15' minimum separation is (10 Ft. required) recommended between sewer drains and water lines.
4. Determine a workable point of connection to existing plumbing inside the residence. When revising interior plumbing, make sure there will be no chance of a "cross connection" to an existing source of water supply. All fixtures, including hose bibs, must be served through the water meter.

Information pertaining to various types of pipe materials to be used for water service lines is detailed on Attachment A. Consult with the pipe manufacturer's instructions or follow a licensed plumber's recommendations to ensure the use of correct pipe fittings and proper installation procedures.

Inspection by the Water District: After the water service line to the users residence is installed and all plumbing connections are complete, the user shall contact the Water District for an inspection. **You or your contractor must submit plans to the Water District for review prior to construction.**

The Water District representative will then check the installation including a check for possible "cross connections". If the installation appears satisfactory, the representative will then furnish the water meter thereby providing water service to the user. All service lines should be thoroughly flushed out by the user before water is used for human consumption.

Specified Use of Water: No user can resell or permit the resale of water furnished from the Water District.

If more than one family unit is located upon the premises, a separate water service including a meter will be required and installed for each family unit.

II. CROSS CONNECTIONS – WATER SERVICE

General Information: The Illinois State Plumbing Code defines a "cross connection" as follows:

A "cross connection" is any physical connection or arrangement between two otherwise separate piping (water supply) systems one of which contains potable water (Bloomington Township Public Water District) and another system or supply of unknown or questionable safety, whereby water may flow from one system to the other, the direction of flow depending on the pressure differential between the two piping (water supply) systems.

The Illinois Environmental Protection Agency and Water District Ordinances prohibit "cross connections" between the Water District and any other sources of water supply WITHOUT EXCEPTION. In order to safeguard the health and welfare of all users of the Water District, any individual user found with or suspected of having a "cross connection" upon his residence will be disconnected immediately at the point of connection to the Water District (water meter pit or shut off valve) until the "cross connection" is eliminated to the satisfaction of the Water District.

Examples of “Cross Connection”: Two of the most common types of “cross connection” can be described as follows:

1. Any direct piped connection between the Water District supply and a well water or cistern supply system is considered a “cross connection”. Valves separating the two systems still constitute a “cross connection”. There can be no pipe connections between the Water District supply and any other source of water supply without exception.
2. The connection of both the Water District supply and a water supply from another source to the same plumbing fixture is considered, a “cross connection”. Plumbing fixtures (water closets, sinks, tanks, showers, hose bibs, etc.) can be connected to another source of supply at the users option as long as the same plumbing fixture is not connected in any way with the Water District supply.

In both of the above cases, with a reduction in water pressure in the Water District system due to a main break, etc., it would be possible for water from a questionable source to flow back into the Water District system thereby causing a possible contamination of that system.

If there is any question as to whether a “cross connection” exists, do not hesitate to contact your plumber or a representative of the Water District for assistance. The representative from the Water District will be available to check for “cross connections” when connection is made to the Water District supply. In order to provide a safe water supply to all users, it is imperative that all possible sources of contamination and/or “cross connections” be eliminated.

III SANITARY SEWER SERVICE CONECTIONS

General Information: Sanitary sewer collection service will be furnished only to users who have filed an application with the Water District, applied for a Bloomington and Normal Water Reclamation District (BNWRD) permit, have paid the appropriate fees, and receive water service. Property to be served must also be included within the BNWRD Facilities Planning Area (F.P.A.) and also annexed to BNWRD.

Sewer rates as shown in the latest revision of Ordinance 11 shall begin as soon as sanitary sewer service has been made available to the user. First and subsequent payments shall be made at the end of each monthly billing period, even though the user may not be occupying the premises and/or using water. Where service is not yet available (sanitary sewer still being installed, etc.) the Water District will notify all users in advance of the date when sanitary sewer service will be available and connection to the system will be permitted.

The Water District shall own and maintain the complete sanitary sewer collection system including sanitary sewer service lines to the users approximate property line if a service line is provided.

New Sanitary Sewer Service Installation:

The user is responsible for installation and maintenance of sanitary sewer service lines between the sewer service line provided by the Water District, and his residence. Service lines must be at least 6-inch diameter 1% minimum slope and be installed at a minimum depth of 4 feet.

The following items should be considered by the user when deciding on a location for the sanitary sewer service line.

1. Determine the shortest route between the main line sanitary sewer connection point and the residence to be served. Minimize bends and turns as much as possible. Consideration would be given to the protection of bushes, trees, driveways, etc.
2. A 15' minimum separation is (10 Ft. required) recommended between sewer drains and potable water lines.
3. Determine a workable point of connection to existing plumbing inside the residence. When revising interior plumbing, no footing tiles, downspouts or storm water/ ground water is permitted to be connected to the sanitary sewer collection system.
4. Sewage discharges to the District's sanitary sewers shall be domestic sewage only. No discharges consisting of petroleum and/or flammable products, solid or viscous (grease) materials, acids, chemicals or other toxic substances are permitted by District Ordinance, together with Federal and Illinois EPA regulations.
5. All plumbing inside users premises shall be installed in accordance with the Illinois Plumbing Code, McLean County Health Department regulations, and the Water District Ordinances in order for the premises to connect to the District's sanitary sewer system.
6. Users premises shall connect directly to the District's sanitary sewer system. Septic tanks sand filters, seepage beds, etc. shall be disconnected and abandoned. Abandoned septic tanks shall be pumped out, bottom punctured and then filled with sand or gravel.

Information pertaining to various types of pipe materials, and pipe bedding materials, to be used for sewer service lines is detailed on Attachment B. Consult with the pipe manufacturer's instructions or follow a licensed plumber's recommendations to ensure the use of correct pipe fittings and proper installation procedures.

Inspection by the Water District: After the water and/or sanitary sewer service lines to the users residence are installed and all plumbing connections are complete and prior to backfilling, the user shall contact the Water District for an inspection.

The Water District representative will then check the installation including a check for possible storm water and/or ground water connections. If the installation appears satisfactory, the representative will then furnish the water meter thereby providing water service to the user. All newly installed water service lines should be thoroughly flushed out by the user before water is used for human consumption.

If more than one family unit is located upon the premises, a separate sewer service will be required and installed for each family unit. If there are more than 1 family units, contact the Water District for further instructions.

IV. PROCEDURES FOR READING WATER METERS AND BILLING INFORMATION

General Information: Water meters that are located at or near the property line are housed inside a protective meter pit with metal cover containing a lockable access panel.

The meter pit must be kept closed and locked at all times to prevent freezing and other possible damage to the water meter and piping inside. Only authorized representatives of the District are permitted access to the meter pits.

Opened or damaged meter pits should be reported to the District Manager as soon as possible to avoid a possible disruption of water service.

Reading Meters: All meters shall be read, by the District Representative during the last half of every month. If for any reason the meter cannot be read, the monthly billing shall be estimated by the District. Additional readings will be made whenever a water user is going to move, or if the water usage appears abnormal.

Where meters are located inside users premises, the monthly readings will be taken from the remote read devices. The District reserves the right to read the meters directly as required. If a discrepancy exists between the reading on the water meter and the remote read device, the reading on the water meter shall be considered as the correct reading for billing purposes.

Payment for Water and Sanitary Sewer Service: Bills for the preceding month will be mailed to the user just prior to the first day of the following month. Charges for sanitary sewer service are based on water usage through the water meter. Billing shall be determined in accordance with the rate schedule as outlined in Ordinance No. 11. All bills are due and payable 10 days after being mailed with a 5-day grace period, for a total of 15 days. Payments must be received on or before the 15th day of the month.

Checks should be made payable to the Bloomington township Public Water District. They may be mailed to:

Bloomington Township Public Water District
P.O. Box 1291
Bloomington, IL 61702-1291

or make your payments at our drop box located at 1717 RT Dunn Dr., Suite C, Bloomington IL. Any payments made before 2:00pm will be credited the same day. Please do not use cash.

Penalties for Late Payment : A penalty of 10% shall be added to all bills not paid and payment received by the BTPWD on or before the 15th of each month on the outstanding balance. Late payment charges for the preceding month will be added to the subsequent monthly bill to the user.

If any bill remains unpaid 30 days after the end of the monthly billing period, a shut off notice will be mailed. 10 days following the notice, water supply to the property will be shut off.

The water supply to the property affected will be shut off by the Water District and water service will not be restored until the delinquency and penalty are paid in full. In addition, a \$50.00 service fee will be added to cover the cost of restoring service. Bills remaining unpaid 30 days

after rendition shall constitute a lien upon the real estate to which the service has been rendered. The Water District Secretary is authorized to file a notice of such lien in the office of the Recorder, McLean County, Illinois, and to pursue any legal action required to collect the delinquent charges. If after 60 days from the end of the monthly billing period the amount remains unpaid, all services under the user's contract shall be cutoff and the contract cancelled.

Change in Occupancy: Users requesting termination of service shall give written notice to the Water District ten (10) days prior to the time such termination is desired. The meter will then be read by the Water District where upon the user's last bill will be determined. Responsibility for payment for water consumed and sanitary sewer service provided prior to the date of termination shall be with the property owners as well as the user. There is a \$50.00 charge for transferring the water and sanitary sewer service to the subsequent user.

BLOOMINGTON TOWNSHIP PUBLIC WATER DISTRICT

ATTACHMENT A

PERMITTED PIPE MATERIALS FOR NEW WATER SERVICE LINES

1. Polyethylene (PE 3406) copper tube size (C.T.S.) 1" Minimum

Working Pressure = SDR 9, Minimum 200 lb. per square inch @ 73.4° F.
ASTM Specification = D2737
Type of Connection = Compression Type

2. Poly Vinyl Chloride (PVC)

Working Pressure = Minimum, 200 lb. per square inch @ 73.4° F.
General Specification = 1-1/2" Pipe Minimum; Schedule 40
ASTM Specification = D2740-68
Type of Connection = Solvent Weld

3. Soft Temper Copper Water Tube – Type K 1" Minimum
Type of Connection = Cold Flare or Compression Type

For installation requiring service pipe 2" or larger, PVC pipe is recommended.

Working Pressure = 200 lb. per square inch @ 73.4° F.
General Specification = SDR-21 Type 1, Grade 1 with a hydrostatic design
item of 2000 psi for water @ 73.4° F.
ASTM Specification = 2241 (SDR-PR)
Type of Connection = Rubber Gasket Joints

Note: If there is any question concerning pipe specifications, proper fittings to be used in installation, construction etc., consult the pipe manufacturer's instructions, a licensed plumber or the Water District Manager.

BLOOMINGTON TOWNSHIP PUBLIC WATER DISTRICT

ATTACHMENT B

PERMITTED PIPE MATERIALS FOR NEW SANITARY SEWER SERVICE LINES

The waste piping from a point five feet (5') outside the building to the District Sanitary sewer shall be considered the house sewer and shall be constructed of the following materials with a minimum diameter of six inches (6"): ductile iron, PVC schedule 80 with cement joints, PVC schedule 21 type PSM-SDR slip joint, PVC schedule 40. Cellular core PVC is prohibited.

All material shall be embedded in sand or washed pea gravel with a minimum of four inches (4") below the sewer pipe and six inches (6") above the top of the sewer pipe.

All services shall be laid at a slope of 1.0% or greater. The last length of pipe at the property line shall be laid at 1.0%. Changes in slope on services may be made by "breaking joints" provided the joint seal is air-tight and the recommendations of the manufacturer are not exceeded. Fittings not greater than a 45° bend may be used where changes in grade dictate.

Cleanouts are required in accordance with the Illinois Plumbing Code.