

BUCKEYE LAKE WATER SYSTEM

CONNECTION PROCEDURE

Approved by Council November 23, 2009

Prepared by:

M•E Companies, Inc.
635 Brookside Boulevard
Westerville, Ohio 43081

Ohio law requires that the Ohio Utilities Protection Service be contacted at least 48 hours prior to excavation. Please call 811 to contact them.

Project Progress

The Buckeye Lake Village Water System (BLVWS) is nearing completion. The Distribution System is well ahead of schedule and should be completed around Thanksgiving with some final work taking place after the flow of water from Millersport in the spring. The Booster Station is virtually complete with a few minor items remaining. The Water Tower is well under way and completion is expected in February. Waterlines from the Village of Millersport are being installed and completion is expected in March of 2010. Completion of the entire system is expected and water available in approximately April or May of 2010.

Water pressure provided by the BLVWS is expected to be approximately 65 psi. This could vary significantly from your current water pressure. Please be aware that this increased pressure could cause older or poorly installed plumbing to fail when connected to the new system. Contact a plumbing expert to address this issue.

Customer Service Lines

The customer service line is the line that connects the meter pit (located in the right of way) to the structure (home, business, apartment, etc.) it is serving. The installation of the customer service line is the responsibility of the property owner and is at the cost of the property owner. All future maintenance on this line is the responsibility of the property owner as well. Water customers may install the line themselves or hire a contractor of their choice to place the service line. This choice is made by the property owner.

In order to ensure that the water you will receive from the new system remains safe, the Ohio EPA prohibits connections between your existing well water supply line and the BLVWS. These cross connections can result in untested well water entering the Village's water system without proper treatment. Therefore, by EPA mandate, you will be required to disconnect your well from your structure's internal plumbing and then either abandon your well by approved method or install a backflow preventer (Ordinance 2008-11).

Construction of Customer Service Lines

Property owners should bear in mind that customer service lines may be very long and must be placed at a minimum depth of 36 inches. Although the Village does not require that a contractor be hired, we do recommend it. Please keep in mind that that Ohio Environmental Protection Agency (OEPA) recommends that all customer service lines maintain separations of 18" vertically and 10' horizontally from storm lines and from sanitary lines. Residents will need the following materials to complete placement of service lines:

Minimum standard for single family residential (other connections will vary)

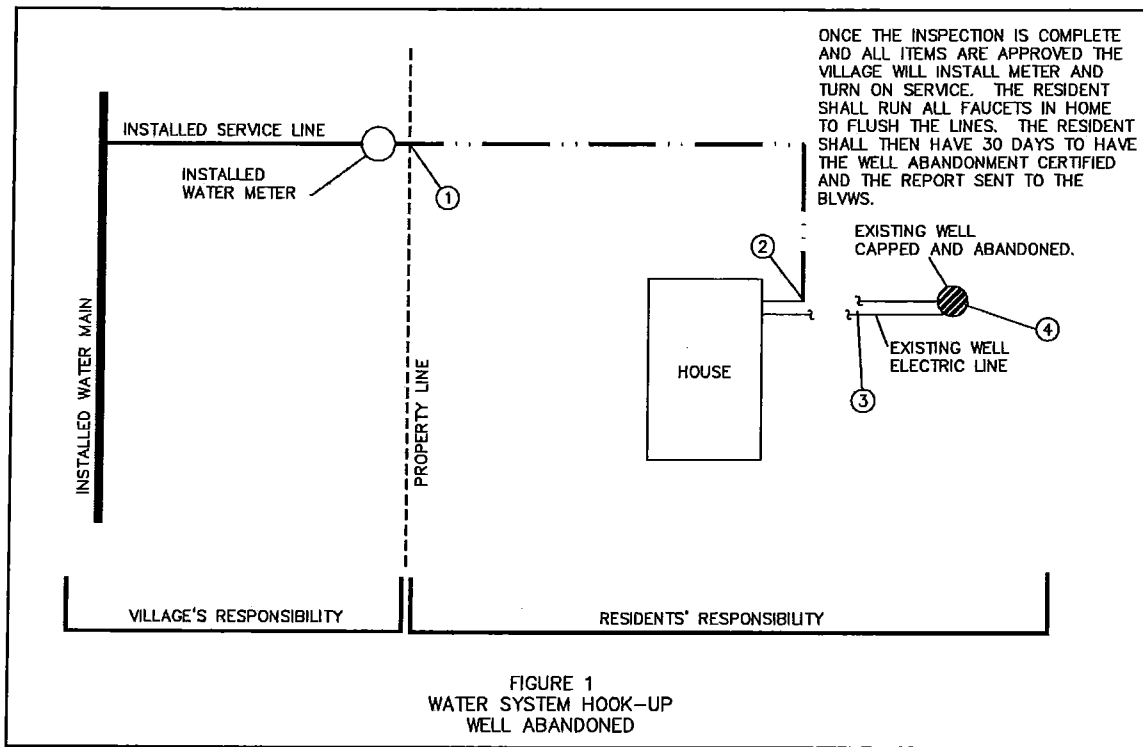
Pipe size:	¾" minimum diameter
Pipe material:	Type K, soft temper copper tubing (conforming to ASTM B-88) <u>OR</u> Ultra high molecular weight polyethylene tubing (conforming to ASTM-D-2737, PE3408, D-1238, SDR-9)
Pipe depth:	42" minimum
Wall sleeve size:	1.5" minimum
Wall sleeve type:	Sch. 40 PVC <u>OR</u> flexible type plastic line

Wells

All connections to the BLVWS must include well water disconnection from the structure's internal plumbing system and either certification of well abandonment (ODNR Water Well Sealing Report) within 30 days of connection or the installation of a Reduced Pressure Backflow Preventer (ARPBP) device conforming to Ohio EPA standards (Ordinance 2008-11) . Both of these options require residents to follow certain steps:

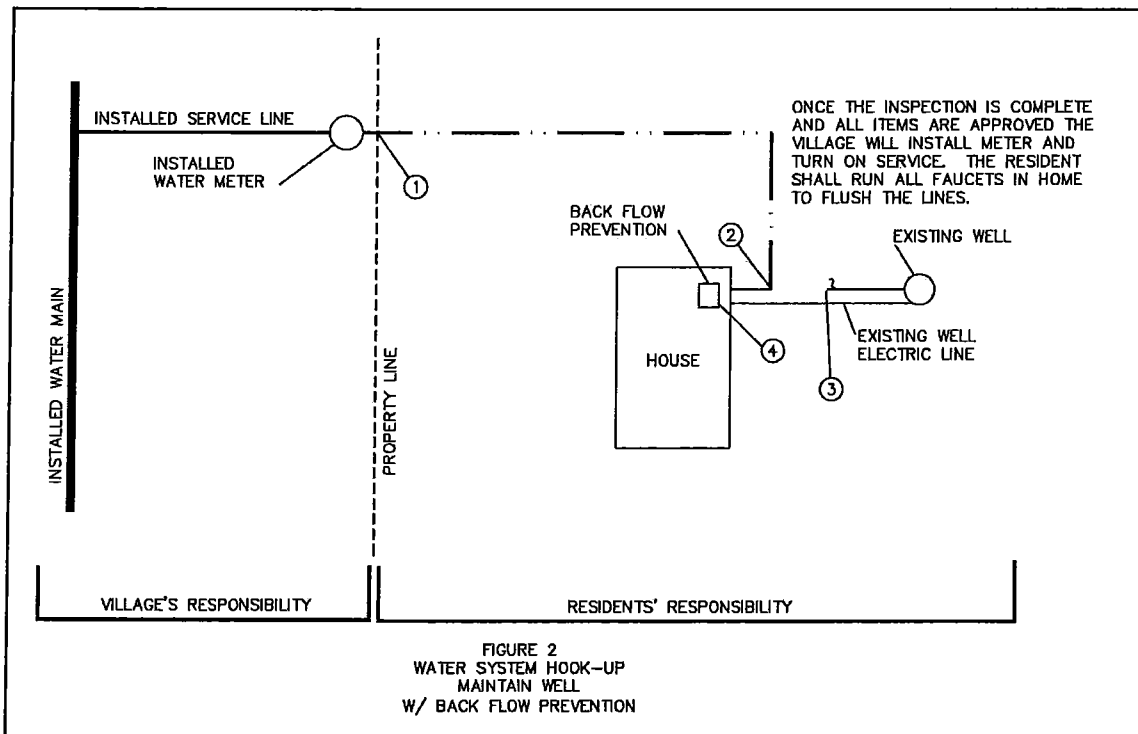
- Water customers that decide to abandon their well will be responsible for removing all piping and electrical wiring connecting their well to their structure. The well must then be properly certified as abandoned. (Please see Well Abandonment Procedure)
- Residents that decide to keep their well must have physically disconnected the well water pipes from their structure's internal plumbing and will be required to install an Ohio EPA Approved Reduced Pressure Backflow Preventer (ARPBP) (Ordinance 2008-11). The ARPBP must be accompanied by a thermal expansion tank between the hot water tank and ARPBP. Upon installation, the ARPBP must be tested by an individual certified by the Ohio Department of Commerce or the Ohio EPA in backflow prevention. The ARPBP must be tested every 12 months by a certified ARPBP tester and the results sent to the BLVWS. The ARPBP will occasionally vent water, and may therefore need a drain and additional piping. (Please see Figure 2)

Option 1 - Abandoning Your Well



- 1 & 2. The water connection to the meter pit may be installed at any time but an inspection by BLVWS will be required to verify material used and depth of customer service line. You may NOT connect this customer service line to your existing plumbing until the BLVWS is available, approval to do so has been publicized and an inspection has been scheduled. This is expected in late spring of 2010.
3. Cut lines and tie into water supply: Once the BLVWS is available the property owner will contact BLVWS to schedule an inspection. At the time of the inspection the BLVWS will confirm that the electric line and water pipes from the well have been disconnected from the structure and connection to the owner's water service has been made. Once the inspector approves, the meter will be installed and service put into operation. The owner will flush their lines by opening faucets in the house and let the water run for a minimum of 10 minutes.
4. Once the water service has been put into operation the owner will have 30 days to have the well abandonment certified and a copy of the report sent to the BLVWS. Failure to provide this report within the prescribed time will result in the disconnection of water service until the report has been provided to the BLVWS. (Ordinance 2008-11). Re-connection fees may also apply.

Option 2 – Keeping Your Well



- 1 & 2. The water connection to the meter pit may be installed at any time but an inspection by BLVWS will be required to verify material used and depth of customer service line. You may NOT connect this customer service line to your existing plumbing until the BLVWS is available, approval to do so has been publicized and an inspection has been scheduled. This is expected in late spring 2010.
3. Cut lines and tie into water supply: Once the BLVWS is available the property owner will contact BLVWS to schedule an inspection. At the time of the inspection the BLVWS will confirm that the water pipes from the well have been disconnected from the structures internal plumbing, connection to the owner's water service has been made and an approved backflow preventer installed. Once the inspector approves, the meter will be installed and service put into operation. Owner will flush their lines by opening faucets in the house and let the water run for a minimum of 10 minutes.
4. Once the water service has been put into operation the owner will have 30 days to have the backflow prevention device certified and the report sent to the BLVWS. Every 12 months from the date of installation an inspection and certification of the backflow preventer will be required and a report sent to the BLVWS. Failure to provide this report within the prescribed time will result in the disconnection of water service until the report has been provided to the BLVWS (Ordinance 2008-11). Re-connection fees may also apply.