

**CITY OF BLOOMINGDALE
WELL DRILLING APPLICATION**

Name of Driller: _____ Date _____

Address: _____ Phone: _____

Name of owner: _____

Address or Legal Description of property: _____

Estimated depth in feet & method of construction: _____

Purpose of Well & Desired Yield: _____

Pipe Diameter in Inches: _____

Type of Well Casing: _____

Approximate Distance and Relative Elevation of Well of any potential
sources of ground water pollution: _____

I, _____ the well driller for the above
location agree to furnish a copy of the driller's log and a copy of the good
water sample to the City of Bloomington upon the completion of the well.
I also understand that the release of power will not be issued until this
information is turned in.

Signature of Well Driller

Witness

Mailing Address (If different than above)

Date Log returned _____

Date Sample returned _____

Bloomington, Georgia, Code of Ordinances >> PART II - CODE OF ORDINANCES >> Chapter 78 - UTILITIES >> ARTICLE II. - WATER >> DIVISION 2. INDIVIDUAL WATER SUPPLY SYSTEMS >>

DIVISION 2. INDIVIDUAL WATER SUPPLY SYSTEMS

Sec. 78-61. Permit required; application.

Sec. 78-62. Drillers' logs.

Sec. 78-63. Location of wells.

Sec. 78-64. Capacity of wells.

Sec. 78-65. Well construction.

Sec. 78-66. Disinfection and sampling of wells.

Sec. 78-67. Disinfecting after repairs.

Sec. 78-68. Inspections; approval.

Sec. 78-69. Private wells.

Sec. 78-61. Permit required; application.

No person may construct an individual water supply system without having first applied for and obtained from the building inspector's office a construction permit for such systems.

Applications for such permits shall be made in writing on forms provided by the inspector and shall include:

- (1) Name and address of the applicant (and of the owner of the property where different from the applicant).
- (2) Legal or other description adequate to locate the property and the well.
- (3) Name and address of the licensed water well contractor.
- (4) Estimated depth in feet and method of construction.
- (5) Purpose for which the well is to be used and desired yield.
- (6) Proposed diameter of the well in inches.
- (7) Type of well casing proposed.
- (8) Approximate distance and relative elevation to the well of any potential sources of groundwater pollution.

(Code 1983, § 10-20)

Sec. 78-62. Drillers' logs.

The person drilling a water well shall maintain accurate drillers' logs, including size and length of casings, grouting depth and complete results of the pumping water levels and shall send copies of the data to the owner, the city clerk's office, and the county health department.

(Code 1983, § 10-21; Ord. of 9-2-1993)

Sec. 78-63. Location of wells.

(a)

The minimum acceptable distance between wells and sources of pollution located on either the same or adjoining lots is 100 feet. Where, in the opinion of the county health department, adverse conditions exist, this distance shall be:

Distance from:	
Septic tank tile field	100 feet
Septic tank	50 feet
Sewer lines with permanent watertight joints	10 feet
Chemically poisoned soil	100 feet

- (b) Wells for potable water for human consumption shall be located at least ten feet from property lines and when located near a building, such wells shall be far enough from the building to be accessible for repairs and maintenance, but in no case shall a well be so located that the centerline of the well, extended vertically, will clear any projection from the building less than two feet.
- (c) Wells shall not be located in areas subject to flooding.

(Code 1983, § 10-22)

Sec. 78-64. Capacity of wells.

- (a) The capacity of the well, as demonstrated by test pumping or yield testing, shall be adequate to supply the daily and peak load requirements of the single-family dwelling needs. This should not be less than a sustained flow of five gallons per minute, and where this is not possible, the water supply system design shall be altered such as increasing storage tank capacity or other appropriate measures.
- (b) Pump capacity shall not exceed the capacity of the well and shall be capable of maintaining a minimum pressure of not less than 20 psi. The pressure tank shall not be less than 42 gallons capacity.

(Code 1983, § 10-23)

Sec. 78-65. Well construction.

- (a) *Preparation of ground surface at well site.* The well shall be graded to facilitate the rapid drainage of surface water to a distance of not less than 50 feet to the well in all directions unless prevented by site conditions, in which case a diversion ditch or trench shall be constructed to effectively exclude surface water from the well site. Pump platforms, pumphouse floors, well slabs and well covers shall be located not less than two feet above the highest known high water level.
- (b) *Depth of well.* Shallow wells less than 40 feet are not approved for individual potable water supply systems.
- (c) *Driven wells.* The well point, drive pipe and joints shall be structurally suitable to prevent rupture during construction of the well. The well slab shall be reinforced with steel rods and be a minimum of four inches thick near the well center, sloping to a two-inch thickness at the edge. The slab shall extend a minimum distance of two feet from the casing.

- (d) *Drilled wells.* Drilled wells shall be cased with durable materials, such as galvanized or stainless steel or polyvinyl chloride (PVC), capable of sustaining the load imposed to a point several feet below the water level in the well at the time of maximum drawdown or from an impervious strata, if one exists above the water bearing formation to at least 12 inches above the concrete slab at the ground surface. The annular space shall not be less than one and one-half inches thick between the casing and sides of the hole and shall be filled with grout down to solid rock, or in any case, not less than ten feet. Subsurface well construction shall cease for at least 24 hours after grouting. A sanitary well seal and well slab shall be provided with features conforming to requirements for dug wells.
- (e) *Specifications.* No material shall be used in the well or pump installation that will result in delivered water being toxic or having an objectionable taste or odor. All metallic and nonmetallic materials shall have sufficient structural strength and other properties to accomplish the purpose for which installed. Steel pipe well casing shall conform to ASTM specifications or equal standards and meet the minimum required wall thickness of 0.188 inches. Plastic well casings and couplings shall meet the requirements of the ASTM Standard F480 or equal standard and the National Sanitation Foundation for use with potable water. Plastic well casings shall conform to the minimum wall thickness of 0.265 inches. There shall be no cross connections connecting potable water supplies with nonpotable or questionable water sources such as irrigation or agricultural wells, etc.

(Code 1983, § 10-24; Ord. of 9-2-1993)

Sec. 78-66. Disinfection and sampling of wells.

All newly constructed wells shall be disinfected to neutralize contamination introduced through equipment, material, or surface drainage during construction procedures. If water samples show bacterial contamination, and continue to do so after all redemptive measures are carried out, provisions shall be made for continuous treatment of the water by chlorination or for abandonment of the well.

(Code 1983, § 10-25)

Sec. 78-67. Disinfecting after repairs.

At any time the well seal is broken open for repairs, inspection or maintenance, the well shall be disinfected.

(Code 1983, § 10-26)

Sec. 78-68. Inspections; approval.

No person may place into use an individual water supply for human consumption until final inspection has been made by the county health department to determine compliance with provisions of this division and written approval has been issued by the county health department.

(Code 1983, § 10-28)

Sec. 78-69. Private wells.

- (a) No new private shallow wells shall be permitted to be installed within the city except for irrigation purposes.
- (b)

No new private deep well shall be permitted within the city, except when the city is unable to supply water due to repairs, insufficiency of water supply due to circumstances beyond the city's control, legal processes, direction of public authority, restrictions by governmental authorities, strike, riot, fire or flood and unavoidable accidents, and when, upon petition by the landowner, the city council, at its discretion, determines that a new private deep well is needed and then only if certain conditions are satisfied which are as follows:

- (1) The city and landowner have entered into a written contract governing the following:
 - a. Ownership of the well;
 - b. The costs of the well and who shall be responsible for said cost;
 - c. The geographical placement of the well and water supply lines related to the well;
 - d. The construction of the well and water supply lines;
 - e. The duration of the well as a nonirrigation well and the time frame for converting the well into an irrigation well;
 - f. Access to the well by the city;
 - g. The monthly usage fees and who shall be entitled to collect said fees;
 - h. Fees to be paid by the landowner to the city;
 - i. Who shall be responsible for the maintenance of the well and water supply lines;
 - j. The connection of the property or properties served by the well or containing the well to the city's public water system upon resolution of the city's inability to supply water; and
 - k. Any other terms or conditions that the city council, in its discretion, deems necessary.
 - (2) The new deep private well shall be metered along with all service connections.
 - (3) The new deep private well shall be limited in capacity to 100,000 gallons per day.
 - (4) The new deep private well shall provide water to no more than ten service connections at any one time.
 - (5) The new deep private well shall provide water to no more than 24 individuals at any one time.
- (c) No private wells shall be permitted to be connected to the city's water system.
- (d) Any existing well which is tied into the city's water system shall be disconnected within 30 days at the owner's expense after receiving written notice from the city. If the city finds any private well connected after the 30-day notification period, the city shall disconnect the private well at the resident's expense and shall also levy a fine of \$250.00 against the owner of the property.

(Ord. of 6-17-2004(1), § 13-60)