

**Town of Braselton  
Braselton Groundwater  
Barrow and Jackson Counties, Georgia**

**Services Provided:**

Preliminary Planning  
Funding Procurement  
Design and Permitting  
Program Management  
Bid Phase Management  
Construction Observation  
Interagency Coordination

**Project Data:**

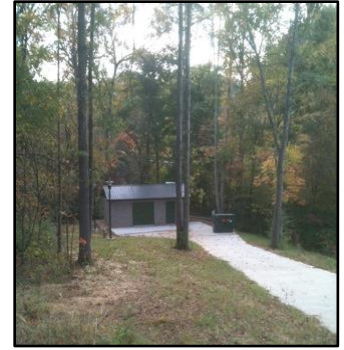
Project consists of, but is not limited to, construction of a 20' x 24' split faced block building, installation of two (2) existing close coupled end suction pumps; supply and installation of associated piping, valves, meters, electrical, etc.; clearing, grubbing, grading, drainage, fencing and other miscellaneous appurtenances.

Total Project Cost:  
\$1,365,000

Date of Completion:  
August 2015

**Contact:**

Town of Braselton  
Ms. Jennifer Scott  
Town Manager  
P.O. Box 306  
Braselton, Georgia 30517  
(706)654-5720



With the onset of the drought of record for Georgia beginning in 2007, the Town of Braselton embarked on an aggressive groundwater development program. At that time, Braselton was purchasing an average of 89 percent of its water demand from adjacent county systems, all of which were grappling with diminished flows from surface water sources.

EMI and the Town initiated a ground water investigation plan in collaboration with a qualified hydrogeologist. Potential test well sites were established and a comprehensive well head protection and "permission to drill" submittal was made to the Georgia EPD. Upon approval, the Town proceeded to obtain bids from qualified well drilling companies for test well drilling.

Some six test wells were drilled within the Braselton water service area which resulted in the addition of three high producing wells capable of providing up to 0.5 MGD. Two of the new wells were considered to be artesian or "flowing wells", resulting in challenges in the design and construction. Moreover, the wells had flow variations as well as variations in the pH of the water. Sophisticated and complex instrumentation and controls had to be designed for controlling pumping rates and chemical addition.

Each well was deigned to pump into a common raw water line and all produced water was culminated into a common water treatment center. In addition, a bulk chemical handling facility was designed and constructed allowing for economic and safe handling of the chemicals required for proper water treatment.

The resulting project produces about 80% of the Town's water demand in winter months and about 40% during summer months.