

**APPENDIX O**

**WATER SUPPLY**

*The Briar Chapel Community will be served by public water provided by Chatham County and will be designed in accordance with the Chatham County Public Works Water System Specifications and Details. In general, a 12-inch water line will connect to an existing 12-inch main along Mann's Chapel Road to the north of the project site. A looped network of 8-inch and 6-inch waterlines will branch out throughout the community from the 12-inch main in accordance with computer modeling results that will be generated during the engineering design phase. In addition, the existing 8-inch water main that currently terminates at Forest Creek Drive along Andrews Store Road will be extended to the southern entrance into the Briar Chapel subdivision. The looped network within the community will connect to this new 8-inch water line at the southern entrance.*

*In addition, according to Mr. Steve Talbert, Chatham County Public Works Director, based on the results of a previously conducted study, an aboveground water storage tank will be required in order to meet the water demand of Briar Chapel at build out and the surrounding community. The water tank will be located in the northern section of the community near the Mann's Chapel Road entrance.*

*Finally, the Briar Chapel community will utilize highly restrictive water-conserving fixtures in the residential and commercial buildings. These fixtures may include toilets that use 1.6 gallons per flush or less, spring-loaded faucets with flow rates of one gallon per minute or less, and showerheads with flow rates of two gallons per minute or less.*