



## **Town of Pittsboro, North Carolina**

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**Engineering Department**

### **Memorandum**

To: Mayor Bill Terry and the Town Board of Commissioners

From: Fred Royal, PE, Town Engineer

Re: Reclaimed Water System Specifications

Date: October 12, 2015

### **Background and Discussion**

The Town of Pittsboro has one reclaimed water line installed to-date. This line runs from the WWTP to the 3M site south of town. At the time it was designed and constructed, the Town had no specifications for reclaimed water distribution systems, therefore it was generally designed and constructed using the existing Town Specifications and Standard Details for our potable water infrastructure.

Today, we have Chatham Park taking the lead with reclaimed water systems, to be designed for their entire development. Their current project, Freedom Drive and Grant Parkway, have reclaimed water lines designed and permitted by the State of North Carolina. The construction of the reclaimed water system is now underway. In order to ensure proper and acceptable materials and practices, staff used the Town of Cary Reclaimed Water specifications and standard details, however modified to suit our practices and methods.

Although not currently in use across town, reclaimed water use will be a major part of the Town's water management strategy in the future. Therefore, new development should be required to install these systems wherever it is practical. Staff will analyze this new policy issue over the next several months and report back to the BOC with recommendations. Standard details will be required for reclaimed water systems, so staff will work on the best method to create these for the Town. Staff is also reviewing and editing other general specifications and will bring those recommendations to the BOC in the near future.

### **Recommendation**

Staff recommends that the BOC review, comment and approve the proposed draft Reclaim Water Specifications for use by the development community and staff. See attached.