



integrated water strategies

August 14, 2008

Mr. Keith Megginson
Planning Director
Chatham County
PO Box 1809
Pittsboro, NC 27312

Mr. Megginson,

I am pleased to bring to your attention that we are working with Ms. Irene Faircloth Gattis and Mr. Joe Mosnier to develop a 5,150 gal/day Non-Conjunctive Reclaimed Water System for their proposed Historic Mann's Chapel Church Project. The system envisioned will be similar in its general character to those which serve the Jordan Lake Business Park and are currently being implemented by Integrated Water Strategies for the new Pittsboro Public Library and the new laboratory building at Central Carolina Community College.

We have conducted detailed preliminary evaluations of both the proposed scope of the project and the suitability of the soils as provided within a detailed soils study by The Catena Group to meet the project's wastewater management needs. Our evaluations indicate that the applicants can meet their project goals through a combination of irrigation, conservation and reuse of reclaimed water. The system we develop and get permitted can fully accommodate and treat that amount of wastewater flow generated by the proposed project. This system will treat the wastewater to a level better than state reclaimed water standards, as well as be odor free, simultaneously nourish plant life, create project landscaping and supply irrigation needs of the site.

The applicants aspire to incorporate forward-looking, environmentally responsible strategies throughout the project, including in the treatment and reuse of wastewater. They have a design goal to strive in their renovation and site development toward LEED standards, or better. Hence we anticipate the maximum incorporation of use of low-flow bathroom fixtures plus the recycling of reclaimed water to flush toilets to achieve significant reductions from the 5,150 gal/day designed maximum system capacity. As a result of these goals and incorporations, we are confident that the 4,658 gal/day that land will accept for irrigation will not be exceeded.

An application package for the Reclaimed Water System will be submitted to the Aquifer Protection Group of the Division of Water Quality for permitting as part of the normal course of system development for the project.

Sincerely,

A handwritten signature in cursive script that reads "C. Halford House".

C. Halford House
President
Integrated Water Strategies