

(12)

TOWN OF CHAPEL HILL ATTACHMENT 4



Applicant Information

Name: Orange Water and Sewer Authority - Ed Kerwin, Executive Director
 Address: 400 Jones Ferry Road
 City: Carrboro State: NC Zip: 27510
 Phone (Work): _____ FAX: _____ E-Mail: _____

Property Owner Information (included as attachment if more than one owner)

Name: N/A Phone N/A
 Address: N/A
 City: N/A State: N/A Zip: N/A

Development Information

Name of Development: Mason Farm Wastewater Treatment Plant
 Tax Map: 7 Block: 66 Lot(s): 9A Parcel ID #: 9798213071
 Address/Location: 100 Old Mason Farm Road
 Existing Zoning: I New Zoning District if Rezoning Proposed N/A
 Proposed Size of Development (Acres / Square Feet): 23.432ac / 1,020,697.93sf
 Permitted / Proposed Floor Area (Square Feet): 80,680sf / 85,985sf
 Minimum # Parking Spaces Required: 0 #Proposed 0
 Proposed Number of Dwelling Units: 0 # Units per Acre 0
 Existing / Proposed Impervious Surface Area (Square Feet): 368,000sf / 380,805sf
 Is this Concept Plan subject to additional review by Town Council? Yes

The undersigned applicant hereby certifies that: a) the property owner authorizes the filing of this proposal b) authorizes on-site review by authorized staff; and c) to the best of his/her knowledge and belief, all information **supplied with this proposal** is true and accurate.

Signature:  Date: 5/2/06

Please submit **20 sets** of all materials, or **35 sets of all materials including reduced (8 1/2" by 11") copies of all plans if the Concept Plan is subject to additional review by the Town Council**, no later than the first day of the month. Materials must be collated and folded to fit into a 12" x 15" envelope.

The Community Design Commission meets regularly on the third Wednesday of each month. Meetings with the Town Council will be scheduled after the Community Design Commission meeting. For confirmation of meeting dates and the placement of your request on the agenda, please call the Planning Department at (919) 968-2728.

ORANGE WATER AND SEWER AUTHORITY
MASON FARM WASTEWATER TREATMENT PLANT

DEVELOPERS PROGRAM

The proposed project consists of a reclaimed water (RCW) storage and pumping facility, and associated piping, at OWASA's Mason Farm Road Wastewater Treatment Plant (WWTP). Initially, the RCW system will supply cooling tower demands at chiller facilities on the UNC Campus; however, the facilities are being designed with flexibility to allow other approved water demands to be accommodated by the reclaimed water system in the future. The reclaimed water will be high quality effluent from the Mason Farm WWTP that has been adequately and reliably treated for the approved uses.

The project benefits the community by reducing the wastewater treatment plant effluent discharge into Morgan Creek, as well as reducing the demand for potable water at OWASA's water treatment plant. It is desirable that as additional reclaimed water demands are identified and determined to be feasible to supply with reclaimed water, the proposed storage and pumping facilities will be available for that beneficial use.

The initial phase of the project consists of a single rectangular concrete structure, extending above grade approximately 20 feet. A small masonry building matching the architectural details of the existing facilities will be located on top of the concrete structure. The building will house chemical feed, instrumentation and control equipment. The single structure will serve as the storage tank and pump station for the facility. Facility layouts included in the preliminary engineering document for the facility are arranged to facilitate expansion of this structure in the future should it be determined that the additional storage is necessary for the function of the reclaimed water system.

The majority of the land within the property of OWASA's Mason Farm WWTP site is developed and improved as part of previous and ongoing approved development at the site. Much of the area on the site contains process units and structures required for treatment of the wastewater collected within OWASA's service area. There is limited unimproved area on the site, most of which will remain as such after construction of the project.