

**CITY OF GAUTIER  
MEMORANDUM**

**To:** Samantha Abell, City Manager  
**From:** Chad Jordan, ClearWater Solutions, LLC., Project Manager  
**Date:** June 9, 2014  
**Subject:** Sanitary Sewer System Evaluation

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**REQUEST:**

ClearWater Solutions, LLC (CWS) requests the City Council approve an engineering agreement with Goodwyn, Mills and Cawood, Inc. (GMC) to perform an evaluation of the City's sanitary sewer system.

**BACKGROUND:**

Inflow and Infiltration (I&I) along with an aging sewer system has been ongoing for some time prior to CWS being contracted with the City of Gautier. The result is increased flow during a rain event which leads to overflows in the collection system and sewer back-ups in homes. CWS has performed repairs and maintained the system according to the existing contract between the City and CWS. In order to permanently resolve these issues, a detailed engineering study must be performed.

**DISCUSSION:**

The detailed engineering study will be conducted in two phases. Phase I will consist of a system assessment which entails collecting data and evaluating lift stations, sewer videos, and previous reports. Also included in Phase I will be an evaluation of the 30" gravity sewer outfall which could relate to the issues on Bemis Avenue. Once the Phase I assessment is complete, short term improvements will be identified and alternatives for immediate repairs will be discussed. Phase II will be under separate contract and will consist of developing alternatives for long term improvements, cost estimates, regulatory issues, funding options, etc.

**RECOMMENDATION:**

CWS recommends that City Council execute an agreement with GMC per the attached proposal. The cost is \$30,000 and will be paid from the CWS contract with the City for engineering services.

**ATTACHMENT(S):**

Proposal

May 15, 2014

Mayor Gordon Gollott  
**CITY OF GAUTIER**  
3330 Highway 90  
Gautier, Mississippi 39564

**RE: SANITARY SEWER SYSTEM EVALUATION  
FOR THE CITY OF GAUTIER, MS**

Dear Mayor Gollott:

Goodwyn, Mills and Cawood, Inc. (GMC) proposes to perform an engineering evaluation of the City of Gautier's sanitary sewer system in a two (2) phased approach. Phase I will include data collection, system assessment, and treatment system evaluation. Phase II includes the development of alternatives to address Infiltration and Inflow, sewage back-ups and sewage overflows in the City.

Phase I – System Assessment

- Collect and evaluate lift station data during rain events and dry periods
- Evaluate sanitary sewer videos and data
- Evaluate the data from the 30" outfall cleaning operations
- General assessment of the collection system
  - Inspect selected manholes and problem areas
  - Evaluate the 30" inverted siphon
  - Assess how the system is operated
  - Evaluate capacities of the collector and outfall mains
- Evaluate any previous reports or studies
- Assess any recent Sanitary Sewer System Improvements
- Jackson County's Treatment Plant:
  - Evaluate the capacity and design of the main lift station
  - Evaluate the capacity and discharge limits of the treatment plant
  - Understand the responsibilities for capacity or treatment upgrades

GMC proposes to perform Phase I on an hourly basis under the Clearwater Solutions, LLC rate agreement. We believe this will be the best and least expensive approach for the City because of the nature of the work, the coordination with Clearwater and the utilization of the Clearwater personnel for the accomplishment of this Phase. We suggest that a budget in the amount of **\$30,000** be established for Phase I. We estimated 273 hours for the eight professionals working on Phase I. We can begin immediately and will provide updates to the City on progress and budget as you request. We expect Phase I to take 2-3 months.

At the end of Phase I, we will meet with City representatives and discuss the readily apparent, preliminary alternatives to address the sanitary sewer problems. A scope of work and budget will then be mutually agreed upon and Phase II will be a separate contract from the Clearwater General Services obligation.

Phase II - Development of Alternatives

- Development of Alternatives
- Evaluating the Feasibility of Alternatives
  - Constructability
  - Cost estimates
  - Regulatory Issues
  - Environmental Concerns: Biological Resources; Coastal Resources; Wetlands; Cultural Resources; Floodplain Issues
  - Legal/Property Right Issues
  - Funding Options
  
- Conduct Meetings with City Personnel to discuss alternatives
- Prepare an Engineering Report which summarizes the Study and provides professional opinions

At this point, our intent is to give you a general opinion of any environmental concerns and not necessarily perform wetlands assessments, etc. As this process develops, you may want us to perform a more in-depth analysis of a certain alternative. We expect that Phase II would take approximately six (6) weeks.

If the City is in agreement with our Proposal and approach, please sign below and we will begin work. Please let me know if you have any questions.

Sincerely:

Approved By:

**CITY OF GAUTIER, MS**

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Lawrence Wilson, PE  
Department Head

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Mayor