

January 12, 2021

REF: 2020.43

Via Email: [lwjd777@yahoo.com](mailto:lwjd777@yahoo.com)

Mr. Jack Boyer  
Environmental Utilities, LLC.  
PO Box 7  
Placida, FL 33946

**RE: ENGINEERING ASSISTANCE FOR CERTIFICATED AREA AND SUPPORT SERVICES**

Dear Mr. Boyer:

Giffels-Webster Engineers (GWE) (herein called CONSULTANT) shall provide specific preliminary design tasks for Environmental Utilities, LLC. Any task not specifically outlined, as being the responsibility of GWE is not included in the CONSULTANT'S scope of work.

Generally, the CONSULTANT will provide a conceptual level study comparing wastewater collection alternatives, and develop a preliminary engineering design for future wastewater expansion within the Cape Haze, Knight Island, and Little Gasparilla with the limits shown in Exhibit B

This scope is for the initial study and preliminary planning effort only for the purpose of determining the collection system type and estimating the cost per connection (ERC) served.

**EVALUATION OF WASTEWATER COLLECTION TECHNOLOGIES**

The CONSULTANT will evaluate two wastewater collection technologies (low pressure sewer (LPS) and vacuum) which will be used as a basis to recommend which type would be best for the area.

Two conceptual layouts (one LPS and one Vacuum) will be provided for the area. Conceptual layouts will include the main lines however, specific valve pits (v.p.) or service laterals are not included. Rather a 2.5/1 home/v.p. ratio and lateral estimates will be used. Specific on lot layouts for the LPS sewer will not be shown; just the main line. From the conceptual layouts developed, quantity take offs of the key components and cost estimates will be generated for two conceptual layouts.

The evaluation cost analysis will include construction costs, land acquisition, restoration (included in construction estimates), long-term operation and maintenance (O&M) and a present worth analysis to determine which type of collection system would best serve the area in the long run. This analysis will be presented in a technical memorandum and be used as a basis for estimating the construction costs per ERC.

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**Preliminary Plans**

The Preliminary plans of the selected option (LPS or Vacuum) will be aerial based and utilize existing contours and published topography. No additional surveying or environmental studies are included in this scope. Plan view only (no profiles) for each sub area will be developed. An electronic copy will also be provided.

**DELIVERABLE**

Technical Memorandum analysis of wastewater expansion evaluating the benefits and costs of low pressure sewer and vacuum.

**COMPENSATION**

Conceptual layouts.....	Lump Sum \$6,975
Quantity take offs, Unit pricing O&M and PW analysis.....	Lump Sum \$6,880
Technical memorandum and report.....	Lump Sum \$5,075
Total.....	Lump Sum \$18,930

It is anticipated that this effort may take approximately 2 months to complete.

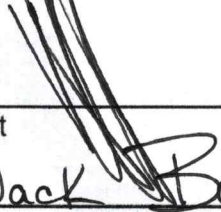
After you have had an opportunity to review this proposal, please do not hesitate to contact us should you have any questions or need additional information. If this proposal is acceptable, kindly sign and return one copy of this proposal to our office which will act as our authorization to proceed with the work as outlined above.

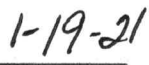
**PREPARED BY:**  
**GIFFELS-WEBSTER ENGINEERS, INC.**

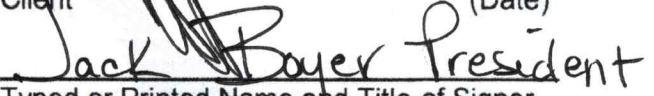
**ACCEPTED BY:**  
**ENVIRONMENTAL UTILITIES, LLC**

  
 \_\_\_\_\_  
 Jonathan Cole, P.E.  
 President

  
 \_\_\_\_\_  
 (Date)

  
 \_\_\_\_\_  
 Client

  
 \_\_\_\_\_  
 (Date)

  
 \_\_\_\_\_  
 Jack Bayer President  
 Typed or Printed Name and Title of Signor

JHC/lmb  
Attachment

**Risk Allocation:** In recognition of the relative risks, rewards, and benefits of the project to both the Client and Engineer, the risks have been allocated such that the Client agrees that, to the fullest extent permitted by law, the Engineer's total liability to the Client for any and all injuries, claims, losses, expenses, damages, etc.....arising out of this agreement from any cause or causes, shall not exceed the total fee paid to Engineer, such causes include, but are not limited to, Engineer's negligence, errors, omissions, liability, breach of contract, or breach of warranty.