



Attachment 1

April 12, 2022

Ms. Jennifer L. Escott
Lenawee County Drain Commissioner
320 Springbrook Avenue, Suite 102
Adrian, Michigan 49221

Subject: Proposal for Engineering Services for
Wamplers Lake, Franklin and Cambridge Townships
Wastewater System Improvements
Alum Feed at Wastewater Lagoons

Dear Ms. Escott:

Jones & Henry is pleased to provide you with this proposal for engineering services associated with the chemical feed system for phosphorus removal in the Wamplers Lake Wastewater Treatment Lagoons.

Statement of Understanding

The Lenawee County Drain Commissioner (LCDC) is operating the wastewater collection system and treatment system for the Wamplers Lake, Franklin Township and Cambridge Township. The Wamplers Lake wastewater treatment plant is a controlled discharge lagoon consisting of two aerated facultative lagoon cells followed by two unaerated storage lagoon cells, lagoon system consisting of four cells, two primary cells and two secondary cells. The current discharge permit requires that the discharge meet a phosphorus limit of 1 mg/L. The County currently feeds alum to the plant influent force main approximately 3,000 feet from the plant discharge due to terrain limitations. This approach has led to problems associated with partially plugging the influent force main. The County's operations group would like to review the option of installing a permanent chemical feed system at the lagoon site for phosphorous removal.

Project Approach

We propose that the project be separated into two phases, Preliminary Design and Final Design.

Preliminary Design

Jones & Henry proposes that a kick-off meeting be held at the LCDC's office as well as a visit to the site. The purpose of the meeting is to familiarize the participants with each other and to discuss the project's specifics including all attributes and amenities to be incorporated into the design.

The scope of engineering services for the preliminary design of the chemical feed system will include:

- Following our initial meeting and project discussion, we will prepare a preliminary design memorandum document and sketches. The document will confirm the preliminary building location, site access, building construction and features, alum handling in 330 gallon totes, and chemical feed system and features.

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- A preliminary estimate of cost will be prepared for the planned work.
- We will submit the preliminary design information to the LCDC for review and approval.
- With the LCDC concurrence, we will proceed to final design.

Final Design

Jones & Henry proposes that a meeting will be held following the preliminary design phase. The purpose of the meeting is to review the preliminary design documents, determine how the project documents will be assembled for bidding and construction, and obtain the LCDC's approval to proceed.

- If necessary, we will assist the LCDC with developing a scope of services for obtaining soil borings for the building. We will assist with the solicitation and review of the proposals from Mannik and Smith Group. The LCDC will hire the geotechnical firm directly.
- Prepare applications for required permits; permit fees will be the LCDC's responsibility. Permits may include a building permit and plan review by EGLE.
- Prepare plans and technical specifications for the chemical feed building and chemical feed system including application points.
 - Drawings will include, plan view and elevations of the building, building features and accessories, foundation, piping and connections, site plan, electrical, controls, lighting, heating, doors, and access road.
 - Technical specifications will be included on the drawings as much as possible, and include the building features, concrete foundation, piping, valves, electrical, controls, and painting.
- Prepare the final Engineer's Opinion of Probable Construction Cost.

At this time, we have assumed the LCDC will be procuring the recommended improvements through solicitation of quotes and utilizing their standard contract documents. We anticipate the recommended improvements will be utilizing a pole-construction (Pole-Barn) building with concrete floors and features noted above for a functional chemical feed system. We have also included assisting the LCDC with details of setting up a temporary chemical feed system to be compliant with their permit during the procurement process.

Project Fee

Our estimated fee for the engineering services to complete the scope of work listed above is as follows:

Preliminary Design	\$8,000
Final Design	<u>\$26,000</u>
Total	\$34,000

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Actual charges will be based upon time and expenses, not to exceed the proposed fee without approval by the LCDC. Detailed invoices outlining hours and expenses consumed will be provided monthly for review and approval by the LCDC.

The standard of care for all professional engineering and related services performed or furnished by Jones & Henry under this Agreement will be the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality. Jones & Henry makes no warranties, express or implied, under this Agreement or otherwise, in connection with any services performed or furnished by Jones & Henry.

Schedule

Task	Approximate Date
Commence Preliminary Design	April 25, 2022
Soil Borings	April 25, 2022 to June 25, 2022
Complete Preliminary Design	June 1, 2022
Complete 60% Final Design	July 1, 2022
Design Complete	August 15, 2022
Permits	August 15, 2022

We want to thank you for the time provided to discuss the project, and we appreciate the LCDC's consideration of Jones & Henry for this work. If you have any questions, please contact me. We would be happy to meet with you and the LCDC to discuss our proposal.

Sincerely,

JONES & HENRY ENGINEERS, LTD.



Peter A. Latta, CDT®, CSI
Toledo Office Director

PAL/bjm

~~*—Commissioning Services (Exhibit A, Paragraph A1.07) – Not Used~~

- B. ~~Resident Project Representative (RPR) Services – Not used.~~
- C. Other Services – Not used.
- D. All of the services included above comprise Basic Services for purposes of Engineer's compensation under this Task Order.

3. Additional Services – Not used.

4. Owner's Responsibilities

Owner shall have those responsibilities set forth in Article 2 of the Agreement and in Exhibit B, subject to the following: No modifications.

5. Task Order Schedule

In addition to any schedule provisions provided in Exhibit A or elsewhere, the parties shall meet the following schedule: Scheduling will be coordinated with the Owner as described in Attachment 1.

6. Payments to Engineer

- A. Owner shall pay Engineer for services rendered under this Task Order as follows: Owner will be billed on Direct Labor Times a Factor (time and expense) not to exceed fees shown in Attachment 1.

7. Consultants retained as of the Effective Date of the Task Order: – None.

8. Other Modifications to Agreement and Exhibits: – None.

9. Attachments: Proposal for Wampers Lake, Franklin and Cambridge Townships Wastewater System Improvements Condition and Capacity Analysis, dated April 13, 2022.

10. Other Documents Incorporated by Reference: – None.

11. Terms and Conditions

Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is _____.

OWNER: Lenawee County Drain Commission

ENGINEER: Jones & Henry Engineers, Ltd.

By: _____

By:  _____

Print Name: Jennifer L. Escott

Print Name: Peter A. Latta, CDT®, CSI

Title: Drain Commissioner

Title: Toledo Office Director

By:  _____

Print Name: Jake Meinerding, PE

Title: Cincinnati Office Director

Engineer License or Firm's
Certificate No. (if required): _____
State of: _____

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Jennifer L. Escott

Name: Peter A. Latta, CDT®, CSI

Title: Drain Commissioner

Title: Toledo Office Director

Address: 320 Springbrook Avenue
Suite 102
Adrian, Michigan 49221

Address: 3103 Executive Parkway
Suite 300
Toledo, Ohio 43606

E-Mail Address: Jenny.escott@lenawee.mi.us

E-Mail Address: platta@JHEng.com

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Task Order Form

EJCDC® E-505, Agreement Between Owner and Engineer for Professional Services – Task Order Edition.
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