



LDA ENGINEERING

March 13, 2026

Ms. Niki Ensor
Utilities Director
City of Kingsport
1113 Konnarock Road
Kingsport, TN 37660

RE: Proposal for Professional Engineering Services
Sanitary Sewer Lift Station Design
Lakeside Lift Station (325) & Lakecrest Lift Station (323)

Dear Ms. Ensor,

LDA Engineering is pleased to submit our proposal to provide consulting engineering services related to the referenced project.

This proposal includes the engineering design, permitting, and bidding assistance for replacement of two lift stations: #325 (Lakeside) and Station #323 (Lakecrest).

PROJECT DESCRIPTION

We understand these stations have been recommended for replacement by others based on their age, operating condition, and future basin growth. While a site visit has not been performed with maintenance staff, the project was discussed by the City of Kingsport and LDA Engineering. The existing stations are Smith and Loveless vacuum prime stations. The Lakeside lift station is located within the public ROW off Lakeside Lane and the Lakecrest lift station is located within the public ROW off Lakecrest Drive. The project consists of the design of a new lift station and appurtenances at each of the two existing station locations. Some items may be selected for re-use or rehabilitation, such as the wet wells.

The proposed stations are anticipated to be Gorman-Rupp self-priming stations. However, we will work with department staff to identify if a submersible station may be desired. We understand the station flow capacities will be provided by others. LDA will provide 30-, 60-, & 90% designs for review. LDA will prepare final documents for permitting and construction and assist the City in obtaining bids. We anticipate these two stations will be advertised for construction under one contract.

4718 Lake Park Drive, Suite 4, Johnson City, Tennessee 37615. 865-250-9986

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LDA proposes to perform the following scope of services:

Task 1 Engineering Design

Data Collection & Preliminary Design Phase

- LDA will perform topographic surveys of the stations, including property boundaries, establish survey control points, develop base mapping, and attempt to identify all existing utility locations. LDA will conduct a field survey on the existing adjacent gravity sewer mains draining to the stations as needed for station design.
- We understand a study of the sewer basins has been conducted by others and will serve as the basis of design. We understand the proposed station firm capacity will be provided by others.
- LDA will meet with City staff to review the 30% engineering drawings. The 30% deliverables will also include equipment lists and a preliminary cost estimate.

Detailed Design Phase

- Once feedback is received on the 30% plans, detailed design of the new stations will be provided, including pumping equipment, E&I/C, odor control tank and controls, yard piping, site layout and access, fencing, and lighting.
- Electrical design and specifications will be prepared for the stations and sites, including coordination with the power utility for rerouting, pull boxes, conduit, generator selection, and interconnection details.
- Geotechnical exploration and foundation system design are not included in this scope of services, as we anticipate that the existing wetwells can be reused. If these services are required, we will provide an amendment for your review.
- All critical equipment will be designed a minimum of one foot above the 100-year flood elevation.
- Construction specifications and contract documents will be prepared for use in obtaining bids.
- Design calculations will be prepared, based on information provided by others, to determine pump and motor requirements.
- LDA will submit design documents to TDEC for review.

Task 2 Bidding Phase Services

As a part of bidding phase services, LDA proposes to:

- Distribute Contract Documents to local plan rooms and prospective bidders.
- Answer questions submitted during the bidding phase.
- Lead a pre-bid conference and distribute minutes.
- Prepare addenda, as necessary.
- Attend the bid opening, prepare a bid tabulation and provide an award recommendation, and prepare final Contract documents.

CLIENT RESPONSIBILITY

The City will provide the following:

1. Record Drawings, pump data sheets, and other available information on the existing lift stations.
2. Property information relative to City owned sites/easements for the existing stations.
3. Information regarding SCADA points to be monitored on the lift stations.
4. Any required permit fees will be paid by the City

EXCLUDED SERVICES

Although not a complete list of all services or potential services that will be excluded from this proposal, the following services are specifically excluded from this scope:

- NEPA
- Structural design
- Geotechnical Exploration and Design.
- Stormwater / Flood mapping / FEMA permitting.
- Construction Administration
- Resident Project Representative Services

If additional services are needed, an amendment or separate proposal will be prepared.

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PROJECT FEES

LDA Engineering will provide the services described herein for the following fee:

Task 1 – Engineering Design	\$ 178,000.00	Hourly, Not-to-Exceed
Task 2 – Bidding Phase Services	\$ 12,000.00	Lump Sum

Hourly tasks will be billed monthly using our 2023 Billing Rates. A 4-month design timeline (pending feedback from regulators) is estimated.

LDA Engineering is pleased to have the opportunity to be of further service to the City of Kingsport. We are prepared to begin this project immediately upon your authorization to proceed.

Sincerely,

Reuben Robertson

Reuben Robertson, P.E.

Proposal Accepted By: _____

Date: _____