



January 12, 2022

Collin County  
700A West Wilmeth  
McKinney, Texas 75069  
Attention: Mr. Jon Kleinheksel

RE: Justice Center Fuel Oil Study  
McKinney, Texas

**Proposal No. 22697R2**

MD Engineering, LLP (MD Engineering) is pleased to submit the following scope of work to provide professional Engineering Services for the above referenced project. The contract conditions are referenced in the County’s IDIQ contract with MD Engineering. The following proposal documents our understanding of the scope of the project, fee, and estimated design timeline.

**SCOPE OF SERVICES:**

This project will consist of industry standard Engineering services for the design to replace the leaking fuel oil system in accordance with current standards and guidelines. The design is based on installing five (5) above ground primary storage tanks with above ground pipe to feed generator at the central plant and housing cluster at the Collin County Adult Detention Center. The estimated project budget is \$549,900. This does not include any cost associated with remediation of contaminated soil. Specifically, MD Engineering will:

1. Perform a site to fully assess the existing system and its method of operation.
2. Provide the construction documents (drawings and sheet specifications) and an estimated budget for the scope of work.
3. Perform a site visit to verify the scope of work identified by the contract documents with the Counties representative prior to issuing sealed documents. This is typically performed at a 90% construction document set.
4. Bid review and comments on the bids.
5. Review submittals and make three site observations to review the contractors work. The initial site visit will be a preconstruction meeting with the successful contractor.
6. Bid documents require contractor to include sampling the soil for leaks to provide documentation to TCEQ for closure report.
7. The US EPA required SPCC plan.

This scope does not include coordinating or directing and necessary remediation or sampling of soil and /or ground water. This component of the project can be costly and should be approached in a methodic manner.

**FEES**

MD Engineering will provide the above services for a stipulated design fee of fifty-eight thousand dollars (**\$ 58,000**) based on the scope listed above. Should the scope of work change significantly, MD Engineering shall seek additional compensation.

Site observation/ Design Development .....	\$ 21,400
Construction Documents.....	\$18,800
Bid and Award.....	\$ 3,000
Construction Administration .....	\$ 14,800

**TOTAL FEE.....\$ 58,000**

MD Engineering will need a topographical site survey to perform this work. While we believe the County has this, if the County does not have this we can provide this service for an additional **\$ 9,700**.

MD Engineering will need to have a geo tech report for the design of the tank foundations. If the County has recent and accurate information we can use that otherwise we would request the County's Geotechnical Engineer provide a report at the locations of the tanks. MD Engineering can provide locations for testing.

### **SCHEDULE**

We propose the following schedule for the scope and fee described above. The time indicated is based on a business week and not calendar week.

- Site Observation and Design Document submission - 4 weeks once authorized to Proceed
- Design Documents owner review and meeting-- 1 week
- Construction Documents submission --3 weeks after owner's comments are received and any additional information provided by the county (i.e. survey or geotech report)
- Construction Documents 90% owner review and meeting -- 2 week
- Sealed Construction Documents -- 1 week once owners comments are received

This schedule is based upon having all information requested supplied in a timely manner.

### **HOURLY RATES**

Our standard hourly rates as indicated and described in Exhibit C of the Engineering Services Agreement (2020-225), is listed below:

Principal	\$ 215.00
Commissioning Agent	\$ 195.00
Engineer (FP)	\$ 190.00
Sr. Engineer (MEP)	\$ 185.00
Construction Administrator	\$ 175.00
Engineer (MEP)	\$ 160.00
Associate (FP)	\$ 155.00
RCCD	\$ 135.00
Designer (MEP)	\$ 105.00

### **REIMBURSABLE EXPENSES**

Reimbursable expenses are billable in addition to the fees for Basic Services. Travel expense outside the DFW Metroplex, delivery charges, plotting, and printing costs will be reimbursable at our exact cost. It is expected for this project scope the reimbursable expenses will not exceed \$1,000.

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Thank you for the opportunity to submit this scope of work. We look forward to working with you on this project.

Sincerely,  
**MD Engineering, LLP**

A handwritten signature in blue ink, appearing to read "Michael Smith", with a stylized flourish at the end.

Michael Smith, PE LEED® AP  
President