

To: Minaz David

From: Jack Eisenbach

Date: October 29, 2019

Subject: Roosevelt School Fuel Oil Tank

CIP #

Minaz;

Eisenbach & Ruhnke engineering is pleased to provide the following proposal for design of the tank removal and replacement. The existing tank is a 10,000 gallon tank that has tested tight. Approximately 400 gallons of heating oil was spilled as a result of a failure in the pipe from the tank to the building. Contamination was found in a manhole near Central Ave.

The work includes the following items:

1. Review the existing conditions with the spill.
2. Work with Luzon to implement a soil investigation program with borings to determine extent and depth of contamination. This is especially critical toward the track and new turf field. If the contamination extends under the turf field the costs could escalate. Given the grades, it is not likely to have extended under the field.
3. Design the tank removal and new tank and piping. Connect to existing piping.
4. Depending upon the findings of the soil investigation, it may be necessary to install sheet piling to avoid undercutting the track.
5. Restore the site including fencing, pavement and sidewalks.
6. Design a groundwater remediation system if needed.
7. There is also a problem with a leaking heating pipe. This would be corrected when the other work is in process.

According to Robert Halprin of Luzon, the cost of the tank removal and replacement is estimated to be as follows:

A. Remove and replace tank and piping including backfill	\$200,000
B. Contaminated soil removal and replacement	\$100,000-\$200,000
C. Sheet piling (Assume 30' wide by 20' deep)	\$ 25,000
D. Soil investigation (Borings)	\$ 10,000
E. Site Restoration	\$ 75,000
F. Remediation system (if needed)	TBD

The E&R fees would be as follows:

A. Design and submit to SED documents for removal and replacement of the tank	\$20,000
B. Design for site restoration	\$ 6,000
C. Meet with DEC and Westchester County as needed	\$ 3,000
D. Design of the sheet piling system	\$ 5,000
E. Design of repair to heating system piping leaking	\$ 4,000
F. Design of Remediation system if required	TBD

G. TOTAL

\$38,000

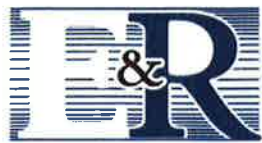
This could be done as a lump sum for the base work with the items such as sheet piling and the remediation system depending on whether needed.

If you have any questions, please call.

We are looking to be on site tomorrow at about 1 PM to go over questions with the design team.

Jack Eisenbach

CC: Mark Ruhnke



December 11, 2019

Mr. John Carr
Yonkers Public Schools
One Larkin Center
Yonkers, NY 10701

Re: Roosevelt HS Petroleum Investigation – Term Contract Environmental

John;

Eisenbach & Ruhnke Engineering, P.C. is pleased to provide this fee proposal for consulting services related to a petroleum spill investigation at Roosevelt HS.

SCOPE OF WORK:

Eisenbach & Ruhnke Engineering, P.C. shall provide an Engineering Technician to observe and record the soil boring data including sample depth, PID readings, and soil composition during drilling activities.

The project is scheduled to be completed over the course of two days beginning on December 12th and completing on December 13th, 2019.

<i>LABOR RATES</i>	<i>UNIT COSTS</i>
Engineering Technician up to 8 hours/day and Travel Time	\$85.00/Hour
Overtime (Weekend/Holiday/Over 8 Hrs Onsite)	\$95.00/Hour
Senior Project Manager	\$95.00/Hour

FEE/COST -

The fees for the work described above are as follows:

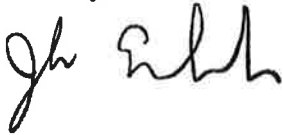
Engineering Technician (\$85/hr x 24 Hours)\$ 2,040.00
Senior Project Manager (\$95/hr x 8 Hours) \$ 760.00

TOTAL COST \$ 2,800.00

If you agree to the scope of work for this project, the price and attached conditions please sign and return one copy to me.

We appreciate this opportunity to present this proposal and look forward to working with you on this project. If you have any questions, or require additional information, please let me know.

Sincerely,



Jack Eisenbach

President

C00-19-72

Attached: Terms & Conditions

Attached: Terms & Conditions

ACCEPTED BY:

Authorized Signature Date

Printed Signature

Company

Phone #/ FAX

Email _____