



(510) 429-8088
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Of Northern California, Inc.

PROPOSAL/CONTRACT
FOR
EXCAVATING AND REMEDIATING CONTAMINATED SOIL

2435 E. 14th St.
Oakland

MESSRS. AARON AND STANLEY WONG
2200 E. 12TH STREET
OAKLAND, CA 94606

Submitted By:
TANK PROTECT ENGINEERING
Of Northern California, Inc.
January 4, 1994

PROJECT:

Excavate and remediate/dispose of contaminated soil.

LOCATION:

2345 E. 14th Street, Oakland, CA 94601

CLIENT:

Messrs. Aaron and Stanley Wong

SCOPE OF WORK:

The scope of work for this project includes the following tasks:

TASK 1 - Excavate contaminated soil in the former underground tank area and next to monitoring well MW-2.

To accomplish this task TPE will:

- * Contact appropriate agencies prior to excavation of contaminated soil.
- * Excavate backfill from former underground tank area.
- * Excavate contaminated soil in the former underground tank area until it is estimated that contaminated soil is removed or maximum physical limitations of the site and equipment are reached.
- * Investigate and if necessary, excavate contaminated soil in the area of monitoring well MW-2.
- * Collect verification soil samples.

- * Analyze soil samples at a DHS certified laboratory.

A Professional Engineer or Registered Geologist will direct all project activities. A civil engineer or geologist will be present for all on-site work. A hydrocarbon vapor detector will be available during all excavation activities. The extent of excavation will be based upon the presence of visible hydrocarbon staining, odor, and field screening of excavation sidewall and floor soil samples for volatile organic compounds using a hydrocarbon vapor detector.

COST:

This task's total estimated cost will be based on time and material. TPE estimates to accomplish this task in 1 or 2 days. Estimated cost for each day of excavation is \$1,685.00 plus the cost of chemical analyses (estimate 6 to 8 samples, see attached price list).

Personnel and equipment required for this task include:

- * Professional Engineer or Registered Geologist, Project Engineer/Geologist, laborer, backhoe, soil sampling equipment, and a hydrocarbon vapor detector.

Estimated cost breakdown for this task is the following:

Backhoe	8 hrs @ \$75.00/hr	\$600.00
Geologist	8 hrs @ \$60.00/hr	\$480.00
Laborer	8 hrs @ \$30.00/hr	\$240.00
Visqueen	3 rolls @ \$65.00/roll	<u>\$195.00</u>
	Subtotal	\$1,685.00

TASK 2 - Backfill and compact the excavation.

To accomplish this task TPE will:

- * Import fill material.
- * Backfill and compact the fill material into the excavation.

COST:

This task's total estimated cost will be based on time and material. TPE estimates to accomplish this task in 1 or 2 days. The cost for each day is estimated to be \$1560.00 plus the cost of fill material.

Personnel and equipment for this task include:

- * Project Engineer, laborer, backhoe with compactor, and fill material.

Estimated cost breakdown for this task is the following:

Backhoe with compactor	8 hrs @ \$100.00/hr	\$800.00
Project Engineer	8 hrs @ \$65.00/hr	\$520.00
Laborer	8 hrs @ \$30.00/hr	<u>\$240.00</u>
	Subtotal	\$1,560.00

TASK 3 - Remediate excavated contaminated soil if necessary.

To accomplish this task, TPE will (subject to approval of appropriate governmental agencies):

- * Use chemical oxidation/bioremediation to remediate the contaminated soil to acceptable regulatory concentrations for potential on-site reuse. In the event that the soil is not remediated to acceptable concentrations, TPE, with the client's approval, will investigate the feasibility of disposing the soil at a Class III landfill.
- * Collect verification soil samples.
- * Analyze soil samples at a DHS certified laboratory.

COST:

The cost of soil remediation is dependent on the concentration of contamination and volume of soil that needs to be remediated. TPE will provide a cost estimate for soil remediation to the client after excavation (Task 1) has been completed. Cost of final soil sampling is not included.

Personnel and equipment required to accomplish this task include:

- * Professional Engineer or Registered Geologist, Project Engineer/Geologist, technician, laborer, backhoe, soil sampling equipment, and a hydrocarbon vapor detector.

TASK 4 - Dispose of stockpiled, contaminated/remediated soil at a Class III landfill.

Subject to approval of the appropriate governmental agencies, TPE will:

- * Haul contaminated soil to a Class III landfill.

COST:

The cost to transport and dispose of contaminated soil at a Class III landfill will be based on time and material.

TASK 5 - Prepare a report.

Upon completion of the above scope of work, TPE will prepare a report documenting results of: overexcavation and verification soil sampling, contaminated soil remediation and disposition, and data evaluation; and will make conclusions and recommendations for additional work, if necessary.

COST:

This task's total cost is \$650.00 and includes:

- Overexcavation Documentation
- Soil Sample Documentation
- Data Evaluation
- Project Manager Review
- Senior Review
- Registered Geologist/Professional Engineer's Signature
- Editor
- Word Processor
- Reproduction (3 Copies)

OWNER SHALL:

- Provide access to sufficient water to complete the project.
- Secure and bar access to the work area and to any hazardous or potentially hazardous material that may be discovered or generated during any of the above scope of work.
- Provide detailed information on underground objects, piping, and utilities in the vicinity, if any, and plans/drawings showing the location of other tanks and associated lines, related to this project. TPE will exercise due diligence to prevent any damage.
- Hold TPE harmless for damages to any subsurface facilities incorrectly located or not located.

PAYMENT SCHEDULE:

TPE requires \$2500.00 at the time of authorization. The actual cost of each task will be billed progressively as each portion of the job is completed. All payments are due upon receipt of each invoice. All estimates are based on the above scope of work and a problem free implementation.

No permitting costs or costs associated with work conducted on City, State, or County property or right-of-ways has been included. These costs may include, but are not limited to: encroachment permits, traffic blockage permits, excavation permits, curb usage permits, and labor costs associated with directing pedestrian and vehicular traffic. The cost of preparing permits, maps, letters, and applications (if required) will be calculated based on time and material.

Difficulties due to unaccounted underground encumbrances or equipment inaccessibility may add to the estimated cost. TPE will stop the work on the project if payments are not received as scheduled. Any cost or damage due to stoppage of the work will

be solely the client's responsibility. Should legal proceedings be instituted by the contractor to obtain payment, the client agrees to pay court/arbitration costs and attorney's fees.

TPE shall follow the scope of the work presented in this proposal/contract in accordance with commonly accepted principles and practices in the industry, ordinarily exercised by members of the profession currently practicing under similar conditions. Should any further work be required by the client or any regulatory agency, TPE will comply as job extra.

Any job arranged and/or coordinated by TPE will be subject to a 15% service fee of total vendors' invoice cost.

It has been our pleasure to prepare this proposal for your company and we look forward to working with you on this project. Should you have any questions or suggestions regarding this proposal, please contact our office.

Sincerely,

Approved

TANK PROTECT ENGINEERING
of Northern California, Inc.

By: _____

Lee N. Huckins
Hydrogeologist

Title: _____

Date: _____

State Contractor Lic.#575837

Attachments: Time and Material Price List
cc: File