TANK PROTECT ENGINEERING
Of Northern California, Inc.

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PROPOSAL/CONTRACT
FOR
EXCAVATION AND REMEDIATION OF CONTAMINATED SOIL AND INSTALLATION OF GROUNDWATER MONITORING WELLS

Prepared For:
ECRU, INC.
MR. KEN EVANS
1611 SOUTH AIRPORT WAY
STOCKTON, CA 95206

Submitted By:
TANK PROTECT ENGINEERING
Of Northern California, Inc.
September 28, 1994

2821 Whipple Road • Union City, California • 94587-1233

PROJECT:

Per your request, please find enclosed the estimated costs for excavation and remediation of contaminated soil, and installation of up to 3 groundwater monitoring wells.

LOCATION:

6301 San Pablo Avenue, Oakland, CA 94608

SCOPE OF WORK:

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

TASK 1 - Prepare a workplan.

To accomplish this task TPE will:

Prepare a workplan detailing all activities proposed in all tasks for review and approval of the client and appropriate regulatory agencies. The workplan will be reviewed, signed, and stamped by a California Registered Geologist or Professional Engineer.

COST:

This task's total cost is $595.00 and includes:

Draft Workplan
Senior Review
Registered Geologist/Professional Engineer's Signature
Editor
Word Processor
Reproduction (3 copies)

TASK 2 - Excavate contaminated soil.

To accomplish this task TPE will:

* Contact appropriate agencies prior to excavation of contaminated soil.

* Excavate the contaminated soil until it is estimated that contaminated soil is removed from the pit or maximum physical limitations of the site or equipment are reached.

* Segregate clean and contaminated soil.

* Collect verification soil samples.

A civil engineer or geologist will be present for all on-site work. An organic vapor analyzer will be available during all excavation activities. The extent of excavation will be based upon the presence of visible hydrocarbon staining and odor and field screening of soil samples for volatile organic compounds using a combustible gas indicator or hydrocarbon detector.

COST:

This task's total cost will be based on time and material. Personnel and equipment for this task include:

* Project engineer/geologist, technician, excavator, loader, soil sampling equipment, and organic vapor analyzer.

The estimated cost of this task for each day of operation is:

Backhoe	8 Hrs.	at $75/hr.	600.00
Registered geologist	1 Hr.	at $85/hr.	85.00
Geologist	8 Hrs.	at $60/hr.	480.00
Visqueen	1 roll	at $65/roll	65.00
			$1,230.00

Please note that the cost of soil chemical analyses is not included and will be calculated based on time and material.

TASK 3 - Remediate the excavated gasoline contaminated soil.

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

* Use soil aeration, chemical oxidation and/or bioremediation to treat the contaminated soil. Remediate the contaminated soil to acceptable regulatory concentrations for potential onsite reuse. In the event that the soil cannot be 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:

This task's total estimated cost will be based on unit price per ton. The cost of remediation of gasoline-contaminated soil will be $24.00 per ton. This includes the fee for aeration, chemical oxidation, or bioremediation treatment of soil. The cost of final soil verification soil sampling for this task is not included and will be based on time and material.

TASK 4 - Backfill and compact the excavated area.

To accomplish this task TPE will:

* Import new fill material.

* Properly backfill and compact the soil in the excavated area.

COST:

This task's total cost will be based on time and material.

Personnel and equipment for this task include:

* Project engineer, laborer, Backhoe with compactor, and fill material.

The estimated cost of this task for each day of operation is:

Backhoe with compactor	8 Hrs.	at $100/hr.	600.00
Engineer	4 Hrs.	at $60/hr.	240.00
Laborer	8 Hrs.	at $30/hr.	240.00
			$ 1,080.00

The cost of fill material (if required) will be based on time and material.

TASK 5 - Install and develop up to three groundwater monitoring wells.

To accomplish this task TPE will:

* Perform prefield activities which may include a site visit, conduct an underground utility survey (if necessary), contact Underground Service Alert, order materials, schedule drilling equipment, and obtain necessary permits.

* Drill up to 3 soil borings for construction of groundwater monitoring wells.

* Collect soil samples at about 5-foot depth intervals and changes in lithology for construction of a lithologic log and for field-screening by a geologist or engineer for evidence of hydrocarbons.

* Analyze selected soil samples at a DHS certified laboratory for TPHG, and BTEX.

* Construct up to three 2-inch diameter casing groundwater monitoring wells in the above soil borings.

* Establish the screen placement of the wells. The placement of screen will depend on the geologic soil profile and will be installed to account for shallow groundwater fluctuation, if necessary.

* Install polyvinyl chloride factory slotted well screen and casing.

* Install filter pack, bentonite seal, and grout seal.

* Install locking well cap and vault box.

COST:

This task's total cost will be based on time and material. TPE expects to accomplish this task in 1 day. Estimated cost based on 1 day construction of the 3 wells is $3,690.00

TASK 6 - Sample groundwater monitoring wells.

To accomplish this task TPE will:

* Provide three drums.

* Develop the monitoring wells.

* Collect and analyze 1 water sample from each well and 1 trip blank sample at a DHS certified laboratory for TPHG and BTEX.

* Survey the elevation of each monitoring wells.

COST:

This task's total cost will be based on time and material. The estimated cost for developing, sampling and surveying the elevations of three wells is $1,490.00.

Note: The estimated cost does not include cost of disposal of soil cuttings, auger decontamination rinsate, or cost of disposal of drums containing the soil and rinsate. Disposal of soil, rinsate, and drums is the responsibility of the client. If requested, TPE will assist the client to properly dispose of the soil, rinsate, and drums at an additional cost.

TASK 7 - Prepare a report.

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

COST:

This task's total cost is $1,280.00.

OWNER SHALL:

* Provide access to sufficient water to complete the project.

* 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

This proposal is subject to review and change, if not accepted within 30 days from this date.

TPE requires $2,500.00 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. 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,

TANK PROTECT ENGINEERING
OF NORTHERN CALIFORNIA, INC.

Jeff Farhoomand
Civil Engineer

APPROVED:

BY:_____

Title:_____

Date:_____

Engineering Contractor Lic. #575837

TIME AND MATERIAL PRICE LIST

The following is a price list for the services and equipments provided by Tank Protect Engineering.

BACKHOE (INCLUDING OPERATOR)	$ 75.00/HOUR 4 HR. MIN.
BACKHOE & COMPACTOR (INCL.OPERATOR)	$100.00/HOUR 4 HR. MIN.
BACKHOE & BREAKER (INCL. OPERATOR)	$110.00/HOUR 4 HR. MIN.
AIR COMPRESSOR	$100.00/DAY
JACKHAMMER	$ 75.00/DAY
IRRIGATION PUMP	$100.00/DAY
COMBUSTIBLE GAS DETECTOR	$ 25.00/DAY
WATER LEVEL INDICATOR	$ 25.00/DAY
CONDUCTIVITY/PH/TEMP. METER	$ 25.00/DAY
HANDPUMP	$ 75.00/DAY
TRUCK WITH TOOLS	$100.00/DAY
DUMP TRUCK	$ 65.00/HOUR 4 HR. MIN.
CONCRETE SAW	$ 50.00/HOUR 2 HR. MIN.
REGISTERED CIVIL ENGINEER	$ 85.00/HOUR 2 HR. MIN.
REGISTERED GEOLOGIST	$ 85.00/HOUR
GEOLOGIST	$ 60.00/HOUR
PROJECT ENGINEER	$ 65.00/HOUR
FIELD ENGINEER	$ 60.00/HOUR
FIELD SUPERVISOR	$ 55.00/HOUR
FOREMAN	$ 50.00/HOUR
TECHNICIAN	$ 45.00/HOUR
LABORER	$ 30.00/HOUR

SOIL/WATER ANALYSES:

TPH-G 8015	$ 95.00 EACH
BTEX 8020	$ 95.00 EACH
TPH-G & BTEX	$ 95.00 EACH
TPH-D	$ 95.00 EACH
CL HC 8010	$150.00 EACH
O&G	$ 95.00 EACH
AA METALS (5)	$125.00 EACH
PURGEABLE ORGANICS BY GC/MS (8240)	$250.00 EACH
EXTRACTABLE ORGANICS BY GC/MS (8270)	$380.00 EACH
ORGANIC LEAD	$ 70.00 EACH

Please note that all labor and equipment hourly charges are based on portal to portal.

Any item not shown on this list will be quoted per request