

ONDREJ M. KOJNOK

*Attorney at Law
A Professional Corporation*

762 El Paseo de Saratoga
San Jose, California 95130

Febr. 16, 1994

ALCO
HAZMAT

94 FEB 18 PM 2:42
Telephone (408) 866-0112
FAX (408) 866-0114

STD 12

State Water Resources Control Board
2014 T Street
P.O.Box 94212
Sacramento, CA 94244-2120
Attn: Mr. Christopher Stevens

Re: Tri-Star Partnership
Property at 5200 Telegraph Ave, Oakland

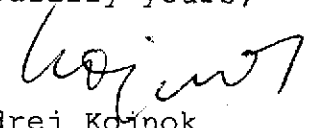
Dear Mr. Stevens:

In addition to the material I sent you with my letter of Jan. 31 I am enclosing a third bid received from Roger Foot Associates.

Please review the enclosed and give me the benefit of your opinion. I will call you on the telephone on Tuesday Febr. 22.

Thank you for your cooperation.

Cordially yours,



Ondrej Kojnok

copy: Susan Hugo

ROGER

FOOTT

ASSOCIATES

GEOTECHNICAL, GEOLOGIC & ENVIRONMENTAL SERVICES

7 February 1994

Mr. Ondroj M. Kojnok
726 El Paseo de Saratoga
San Jose, CA 95130

REFERENCE: PROPOSAL TO CONDUCT SITE ASSESSMENT
5200 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA
RFA PROPOSAL NUMBER P-2627

Dear Mr. Kojnok,

In response to your request for a proposal Roger Foott Associates, Inc. (RFA) is pleased to provide this proposal to install three groundwater monitoring wells, perform quarterly monitoring on these wells, and provide a PIER Report and three quarterly monitoring reports at the above mentioned site. This proposal does not reflect a complete assessment of soils and groundwater affectation at your site, but should be interpreted as a preliminary assessment based on the results of installation of three wells only.

SCOPE OF WORK

It is RFA's understanding that you have been required to install three groundwater monitoring wells to a total depth of 25 feet below ground surface (BGS). RFA assume from this requirement that groundwater is expected to occur at a depth of 5 feet below ground surface at your site as California Water Code requires that all groundwater monitoring wells be installed a minimum of 20 feet below the lowest predictable surface of the water table surface. In the event that the 25 foot BGS level, then costs for achieving greater depths will be handled on a change order basis in accordance with the personnel and subcontractor rates in effect in this proposal.

RFA therefore propose to install 3 groundwater monitoring wells to a total depth of 25 feet BGS with screen and blank lengths to be determined after more data is known about the site. For budgeting purposes, RFA assume that at least two soil samples will be collected from each boring for a total of 6 soil samples.

Item 2 of Alameda County Department of Environmental Health's letter of 28 October 1993 specifies an analytical regimen which we have used for this proposal.

You will also be required to obtain quarterly analyses of samples from each of the three wells to be installed as well as submit a report of the installation of the wells (PIER Report).

All soil and groundwater samples will be collected, stored, transported and analyzed according to methods as reported in USEPA SW-846 and Tri-Regional Guidelines.

ESTIMATED COST

The proposed SOW includes:

- preparation of a workplan for installation of three groundwater monitoring wells,
- installation of three groundwater monitoring wells to a total depth of 25 feet BGS,,
- collection of up to two soil samples per boring for a total of 6 soil samples,
- develop, purge and sample the three groundwater monitoring wells,
- preparation of a PIER report which will include the first round of groundwater sample analyses as the first quarterly monitoring and reporting episode,
- Collection and analysis of 3 additional rounds of samples from these three wells on a quarterly basis with each round including a separate quarterly monitoring report.

A detailed cost breakdown has been included with this proposal in spreadsheet form. You may use this cost breakdown as a means of developing unit prices in the form that you prefer.

Installation of three groundwater monitoring wells is required to establish site specific local groundwater gradient. Should groundwater have been affected by releases at the site, it may be that more than these three wells will be required to establish the extents of groundwater affectation. Should this situation eventuate, RFA will consult closely with the client regarding establishing the extent of such affectation by extending the scope of work to accommodate this event.

Costs for meetings with the client have not been included in this proposal. A reasonable estimate for project management and communications time has been included in this proposal, however this is not to say that telephone and written consultations of any length or duration can be accommodated within this budget.

Total Estimated Cost (not to exceed) for the proposed SOW: **\$39,600**

Work will commence upon receipt of the signed work order and a 25% retainer based on the estimated project costs (\$3,960).

PROJECT TIMING

RFA will commence performance of the above referenced Work immediately upon:

- receipt of the attached work order signed by a duly authorized client representative,
- receipt of the 25% retainer as specified in the Estimated Cost above.

RFA agrees to provide the final report within 20 business days of receipt of analytical results or termination of project activities, whichever occurs last.

LIMITATIONS

RFA's role would be limited to the Scope of Work stated above. Any conditions related to the site assessment not presented in the Work referenced above will be considered outside the Scope of Work. Therefore RFA's sole role in this project is to provide site assessment services and professional advice as described in this document. The client should note that costs for meetings, except for those specifically described herein, have not been included in this proposal. Should the client require RFA's presence at meetings, this service will be provided on a Change Order basis in accordance with the attached Standard Unit Price Schedule.

The scope of work for the proposed environmental assessment is intended to provide a limited, but reasonable, assessment of the subject site. It may be necessary to recommend additional steps as we assess reasonable, to further identify potential environmental concerns. It should be noted that any level of assessment cannot ascertain that a property is completely free of chemical or toxic substances. Therefore, RFA cannot offer the certification of a "clean" property. We believe it is an effective program to allow an owner or prospective buyer or seller to make an informed business decision.

RFA is not an insurer; any payments received pursuant to the negotiated agreement to perform this work are based solely on the value of RFA's services and are unrelated to the value of the client's property, or to the cost for the remediation of any environmental contamination or other environmental liabilities, if any. Changes in regulatory policy and/or requirements and technological advances that post-date this report obviously are beyond its scope. In any event, RFA will not be responsible for any direct, incidental, indirect, or consequential damages (including loss of profits) incurred by the client or by any third party occasioned by services performed by RFA, or by the application or use of this report by the client or others. Moreover, the client assumes all of the risks and liabilities associated with any environmental contamination of the subject property, as well as any other environmental liability related to the property.

Client will grant or obtain free access to the site for all equipment and personnel necessary for RFA to perform the work set forth in this agreement. Client will grant or obtain permission for RFA personnel to photograph the site. The client will notify any and all possessors of the project site that client has granted RFA free access to the site. RFA will take reasonable precautions to

minimize damage to the site, but it is understood by client that, in the normal course of work, some damage may occur and the correction of such damage is not part of this agreement unless so specified in the proposal.

Drilling costs are based upon average advancement and equipment wear rates considered as normal drilling conditions in soils. Mobilization and demobilization (including site access problems) are excluded from time estimated on the project. Exceptional drilling conditions are herein defined as advancement and equipment wear rates exceeding those estimated in the scope of work. The normal rate of advancement using a hollow stem auger drill has been assumed at eight (8) feet per hour for this contract. Additional expenses incurred due to exceptional drilling conditions will be billed on a time and materials basis according to our current environmental fee schedule.

The results contained in each verbal or written report will be based upon the information acquired during the assessment. It is possible that variations could exist beyond points explored during the course of the investigation. Also, changes in conditions found could occur at some time in the future due to contaminant migration, variations in rainfall, temperature, and/or other factors not apparent at the time of the field investigation.

This proposal and price estimate will remain in effect for 30 days from the date of the proposal, after which time, Roger Foott Associates reserve the right to re-negotiate the Scope of Work, price estimate(s) and project schedule at our discretion. The proposed scope of work, associated cost estimate(s), Work Order and General Conditions form the proposal.

This proposal is contingent upon our current understanding of California SB2004 USTCF regulations and policies. Should these policies or regulatory conditions change so as to affect any aspect of this proposal, then RFA reserve the right to renegotiate the Scope of Work, the estimated costs, and any other conditions thought to be relative to performance of this work. Client should understand that RFA expects its invoices to be paid by the client and does not accept any conditions that payment is dependent upon the USTCF reimbursement of client.

This document contains proprietary information of Roger Foott Associates and may not be reproduced or used without express written permission of Roger Foott Associates.

The services performed by RFA will be conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in California. No other warranty is expressed or implied.


Please advise acceptance of this proposal by returning one copy of the attached Work Order (the second copy is for your files) signed by a duly authorized officer client representative enclosed with the project retainer fee (10% of the Estimated Cost).

Mr. Ondrej M. Kojnok
7 February 1994
Proposal Number P-2627
Page 5

We appreciate the opportunity to submit this proposal and look forward to working with you on this project. If you have any questions pertaining to this proposal, do not hesitate to contact the undersigned (916/325-2580).

FOR AND ON BEHALF OF:
ROGER FOOTT ASSOCIATES, INC.


FOR
John Smith
BUSINESS DEVELOPMENT MANAGER


William F. McClenney, RG REA
MANAGER, ENVIRONMENTAL SERVICES

RFA Proposal P-2627

WORK ORDER
Proposal Number P-2627

ROGER FOOTT ASSOCIATES, INC., a California corporation (RFA), and Client agree to a work assignment for RFA as follows:

Name of Project: Kojnok Site

Order Received by: John Smith Date: 17 January 1994

Authorized By: Mr. Ondrej M. Kojnok

Client Name: Mr. Ondrej M. Kojnok

Mailing Address: 726 El Paseo de Saratoga Phone: 408/866-0112
San Jose, CA 95130 FAX: 408/866-0114

Location of Job: 5200 Telegraph Avenue, Oakland, CA

Description of Work: Three Groundwater Monitoring Wells
PIER Report
Quarterly Monitoring for one year

Fees to be Charged: \$39,600 per attached proposal dated 7 February 1994.

TERMS:

The General Conditions (attached) are a part of this agreement. Invoices will be submitted upon completion of work or monthly intervals, and are due and payable upon presentation. Subcontracted laboratory testing and other outside services are invoiced at cost plus 19%. Cancellation of this contract by the Client must be in writing with seven days notice. Client agrees to pay for all services and materials provided up to the time of termination. Submittals to governmental agencies are the responsibility of the Client. Clients will be provided with four report copies. Additional copies will be available at \$10.00 per copy. I have read and understand the attached general conditions which form an integral part of this agreement.

ROGER FOOTT ASSOCIATES, INC.

AGREED TO AND ACCEPTED:


William F. McClenney
Manager of Environmental Services

CLIENT NAME (IN PRINT)

7 FEBRUARY 1994
DATE

SIGNATURE AND TITLE

**PLEASE RETURN A SIGNED COPY TO
ROGER FOOTT ASSOCIATES, INC.**

DATE

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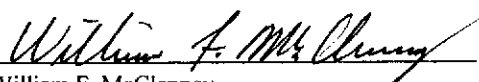
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ROGER FOOTT ASSOCIATES, INC.

AGREED TO AND ACCEPTED:


William F. McClenney
Manager of Environmental Services

CLIENT NAME (IN PRINT)

7 February 1994
DATE

SIGNATURE AND TITLE

**PLEASE RETURN A SIGNED COPY TO
ROGER FOOTT ASSOCIATES, INC.**

DATE

GENERAL CONDITIONS
AND
TERMS FOR ENVIRONMENTAL ASSESSMENT SERVICES

SECTION 1: THE AGREEMENT

- 1.1 The agreement between the parties consists of these terms, the attached proposal and any exhibits, attachments or limitations noted in the proposal. Together these elements will constitute the entire agreement superseding any and all prior negotiations, correspondence, or agreements either written or oral. Any changes to this agreement must be mutually agreed to in writing.

SECTION 2: STANDARD OF CARE

- 2.1 The client recognizes that subsurface conditions may vary from those observed at locations where borings, surveys, or explorations are made, and that site conditions may change with time. Data, interpretations, and recommendations by Roger Foott Associates, Inc. (hereinafter referred to as RFA) will be based solely on information available to the consultant. RFA will not be responsible for other parties' interpretations or use of the information developed.
- 2.2 Services performed by RFA under this agreement are expected by the client to be conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the environmental consulting profession practicing contemporaneously under similar conditions in the locality of the project. No other warranty, expressed or implied, is made.

SECTION 3: SITE ACCESS AND SITE CONDITIONS

- 3.1 Client will grant or obtain free access to the site for all equipment and personnel necessary for RFA to perform the work set forth in this agreement. Client will grant or obtain permission for RFA personnel to photograph the site. The client will notify any and all possessors of the project site that client has granted RFA free access to the site. RFA will take reasonable precautions to minimize damage to the site, but it is understood by client that, in the normal course of work, some damage may occur and the correction of such damage is not part of this agreement unless so specified in the proposal other than caused by RFA's negligence or misconduct.
- 3.2 The client is responsible for the accuracy of locations for all subterranean structures and utilities. RFA will take reasonable precautions to avoid known subterranean structures, and the client waives any claim against RFA, and agrees to defend, indemnify, and hold RFA harmless from any claim or liability for injury or loss, including costs of defense, arising from damage done to subterranean structures and utilities not identified or accurately located. In addition, client agrees to compensate RFA for any time spent or expenses incurred by RFA in defense of any such claim with compensation to be based upon RFA's prevailing fee schedule and expense reimbursement policy.

SECTION 4: SAMPLE DISPOSAL

- 4.1 RFA will dispose of all remaining soil and rock samples 60 days after submission of report covering those samples. Further storage or transfer of samples can be made at client's expense upon client's prior written request.

SECTION 5: BILLING AND PAYMENT

- 5.1 Client will pay RFA the lump sum amount indicated in the proposal or, if no lump sum amount is indicated, in accordance with the schedule of personnel and equipment charges, as shown in the proposal and its attachments. Backup data on billing will not be available unless prior arrangements have been made. Prior to initiation of field work, a retainer as specified in the proposal, is required. Invoices for the balance will be submitted to client by RFA, and will be due and payable upon presentation. If client objects to all or any portion of any invoice, client will so notify RFA in writing within fourteen (14) calendar days of the invoice date, identify the cause of disagreement, and pay when due that portion of the invoice not in dispute. The parties will immediately make every effort to settle the

SECTION 10: DISCOVERY OF HAZARDOUS MATERIALS

- 10.1 The client recognizes that the discovery of hazardous materials may necessitate immediate protective measures to safeguard the public health and safety and agrees to compensate RFA for measures that in our professional opinion are justified to preserve and protect the health and safety of site personnel and the public.
- 10.2 RFA agrees to notify client as soon as practically possible should hazardous materials be encountered at the site that pose a threat to human health, safety and the environment. Client agrees that the discovery of hazardous materials at the site must legally be reported to the proper authorities as required by CAC Title 23, Chapter 3, State AB 2185, and Proposition 65. Client agrees to make the required report at the recommendation of RFA or, if unable to do so, authorizes RFA to make this report. Client also agrees to inform the property owner in the event that hazardous materials are encountered at the site.
- 10.3 Client recognizes that the discovery of hazardous materials at the site may adversely affect the property's value and may cause the property owner to institute legal action against the client and/or RFA. Client waives any claim against, and agrees to defend, indemnify and save RFA harmless from any claim or liability for injury or loss arising from the discovery of hazardous materials at the site. Client also agrees to adequately compensate RFA for any time spent and expenses incurred in defense of any such claim.

SECTION 11: DISPOSAL OF HAZARDOUS MATERIALS

- 11.1 Contaminated drill cuttings, sample spoils, and wash water may be produced as a result of encountering hazardous materials at the site. Such materials will be properly contained, labeled, and stored on-site by RFA. It is the client's responsibility for the proper transportation and disposal of such hazardous materials.

SECTION 12: FAILURE TO ENCOUNTER HAZARDOUS MATERIALS

- 12.1 It is possible that exploration activities may fail to detect the presence of hazardous materials at sites where such materials are assumed or expected to exist. Client understands that failure to discover hazardous materials through appropriate and mutually agreed-upon exploration techniques does not guarantee that hazardous materials do not exist at the site. Similarly, a site that is actually free of contamination at the time of exploration may become contaminated at some later time. Client waives any claim against, and agrees to defend, indemnify and save RFA harmless from any claim or liability for injury or loss which may arise from failure to detect the presence of hazardous materials through techniques commonly employed for that purpose. Client also agrees to adequately compensate RFA for any time spent and expenses incurred in defense of any such claim.

SECTION 13: AQUIFER CONTAMINATION

- 13.2 The client recognizes that it is impossible for RFA to know the exact composition of a site's subsurface even after conducting a comprehensive exploratory program. As a result, there is a risk that drilling and sampling may result in contamination of certain subsurface areas, as when a boring passes through a contaminated zone, connecting it to one or more aquifers not previously contaminated and capable of spreading contamination.
- 13.2 Although RFA will take all reasonable precautions to avoid such an occurrence, client waives any claim against, and agrees to defend, indemnify and save RFA harmless from any claim or liability for injury or loss which may arise as a result of cross-contamination caused by drilling, sampling, or monitoring well installation. Client also agrees to adequately compensate RFA for any time spent and expenses incurred in defense of any such claim.

SECTION 14: DISPUTES RESOLUTION

- 14.1 All claims, disputes, and other matters in controversy between RFA and client arising out of or in any way related to this agreement will be submitted to "alternative dispute resolution" (ADR) such as mediation and/or arbitration, before and as a condition precedent to other remedies provided by law. If and to the extent client and RFA have agreed on methods for resolving such disputes, then such methods will be set forth in the "Alternative Dispute Resolution Agreement" which, if attached, is incorporated and made a part of this agreement.
- 14.2 If a dispute at law related to the services provided under this agreement and that dispute requires litigation instead of ADR as provided above, then:
- (1) the claim will be brought and tried in judicial jurisdiction of the court of the county where RFA's principal place of business is located and client waives the right to remove the action to any other county or judicial jurisdiction, and;
 - (2) the prevailing party will be entitled to recovery of all reasonable costs incurred, including staff time, court costs, attorney's fees, and other claim related expenses.

SECTION 15: ASSIGNS

- 15.1 Neither the client nor RFA may delegate, assign, sublet or transfer his duties or interest in this Agreement without the written consent of the other party.
- 15.2 The contractual agreement between the client and RFA shall pertain only to the benefit of the parties hereto, and no third party shall have any rights hereunder.

SECTION 16: GOVERNING LAW AND SURVIVAL

- 16.1 The law of the State of California will govern the validity of these terms, their interpretation and performance.
- 16.2 If any of the provisions contained in this agreement are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions will not be impaired. Limitations of liability and indemnities will survive termination of this agreement for any cause.

disputed portion of the invoice. In the absence of written notification described above, the balance as stated on the invoice will be paid.

- 5.2 Invoices are delinquent if payment has not been received within thirty (30) days from date of invoice. Client will pay an additional charge of 1 1/2 (1.5) percent per month (or the maximum percentage allowed by law, whichever is lower) on any delinquent amount, excepting any portion of the invoiced amount in dispute and resolved in favor of client. Payment thereafter will first be applied to accrued interest and then to the principal unpaid amount. All time spent and expenses incurred (including any attorney's fees) in connection with collection of any delinquent amount will be paid by the client to RFA per RFA's current fee schedule. In the event client fails to pay RFA within sixty (60) days after invoices are rendered, client agrees that RFA will have the right to consider the failure to pay the RFA's invoice as a breach of this agreement.

SECTION 6: OWNERSHIP OF DOCUMENTS

- 6.1 All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by RFA as instruments of service, shall remain the property of RFA.
- 6.2 Client agrees that all reports and other work furnished to the client or his agents, which is not paid for, will be returned upon demand and will not be used by the client or others for any purpose whatsoever.
- 6.3 RFA will retain all pertinent records relating to the services performed for a period of five years following submission of the report, during which period the records will be made available to the client at all reasonable times.

SECTION 7: INSURANCE

- 7.1 RFA represents and warrants that it and its agents, staff and consultants employed by it is and are protected by worker's compensation insurance and that RFA has such coverage under public liability and property damage insurance policies which RFA deems to be adequate. Certificates for all such policies of insurance shall be provided to client upon request in writing. Within the limits and conditions of such insurance, RFA agrees to indemnify and save client harmless from and against any loss, damage, or liability arising from any negligent acts by RFA, its agents, staff, and consultants employed by it. RFA shall not be responsible for any loss, damage or liability beyond the amounts, limits, and conditions of such insurance. RFA shall not be responsible for any loss, damage, or liability arising from any acts by client, its agents, staff, and other consultants employed by it.

SECTION 8: TERMINATION

- 8.1 This agreement may be terminated by either party seven (7) days after written notice in the event of any breach of any provision of this agreement or in the event of substantial failure of performance by the other party, or if the client suspends the work for more than three (3) months. In the event of termination, RFA will be paid for services performed prior to the date of termination plus reasonable termination expenses, including the cost of completing analyses, records and report necessary to document job status at the time of termination.

SECTION 9: RISK ALLOCATION

- 9.1 There are a variety of risks which potentially affect RFA by virtue of entering into an agreement to perform professional services on the client's behalf. In order for the client to obtain the benefit of a fee which includes a lesser allowance for dealing with RFA's risks, the client agrees to limit RFA's liability to the client and to all other parties for claims arising out of RFA's performance of the services described in this agreement. The total aggregate liability of RFA will not exceed \$50,000 for professional acts, errors or omissions, and the client agrees to indemnify RFA for all liabilities in excess of the monetary limits established above.

KOJNOK/5200 TELEGRAPH ROAD, ALAMEDA, CA

Job Distance from Mob. Point(1-way) 65 Miles

wfm.r7000001

DATE

02/07/94

TIME

09:01 PM

Task I: Workplans and/or Remedial Investigation Activities

Proposal/Workplans	Labor	Labor	Labor	Computers/	Vehicle	Vehicle	Hotel-	Travel	Line	Subtask	Main Task
	Hours	Cost/Hour	Subtotal	Software	Days	Cost	Perdiem	Cost			
Review Available Project Data	1	\$120.00	\$120.00	\$4.00		\$0.00		\$0.00	\$124.00		
Prepare Proposal	3	\$120.00	\$360.00	\$12.00		\$0.00		\$0.00	\$372.00		
Travel		\$100.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00		
Prepare Workplan Senior		\$100.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00		
Prepare Workplan Staff	12	\$95.00	\$1,140.00	\$48.00		\$0.00		\$0.00	\$1,188.00		
Word Processing/Drafting		\$50.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00		
Principle/Senior Review	1	\$120.00	\$120.00	\$4.00		\$0.00		\$0.00	\$124.00		
Health and Safety Plan	4	\$95.00	\$380.00	\$16.00		\$0.00		\$0.00	\$396.00		
Courier/Materials/Communication	1	\$20.00	\$20.00	\$4.00		\$0.00		\$0.00	\$24.00		
Subtotals			\$2,140.00	\$88.00		\$0.00		\$0.00		\$2,228.00	

Wells/CPT/RI

	Quantity	Hole	Blank	Screen	Drill	Geo-Crew	Materials	Drilling	Decon	Line	Subtask
		Depth	Depth	Depth	Hours	Cost	Cost	Cost	etc.		
Well Permits----->										\$0.00	
Casing Ext. wells					0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Hammer Sparg wells					0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
(LAYNE) Inlet wells					0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Costs						\$0.00					
Drill Hours>>					0.00						
											Unit Cost/Foot: ERR

Category (---> enter @ Line Total)	Quantity	Blank Length	Screen Length	Total Depth	Drill Cost	Geologist Cost	Materials Cost	Assistant Cost/Hour	Assistant Hours	Outside Contractor	Subtask Total
Well Permits	3										\$450.00
Encroachment Permits											\$0.00
Hollow Site Surveying ----->											\$1,000.00
Stem 6" Open Boring with 2" Casing					0	\$0.00	\$0.00	\$50.00			\$0.00
Auger 8" Open Boring with 2" Casing	3	5	20	75	\$2,256.91	\$990.00	\$515.85	\$50.00			\$3,762.76
8" Open Boring with 4" Casing					0	\$0.00	\$0.00	\$50.00			\$0.00
10" Open Boring with 2" Casing					0	\$0.00	\$0.00	\$50.00			\$0.00
10" Open Boring with 4" Casing					0	\$0.00	\$0.00	\$50.00			\$0.00
10" Open Boring with 6" Casing					0	\$0.00	\$0.00	\$50.00			\$0.00
12" Open Boring with 2" Casing					0	\$0.00	\$0.00	\$50.00			\$0.00
12" Open Boring with 4" Casing					0	\$0.00	\$0.00	\$50.00			\$0.00
12" Open Boring with 6" Casing					0	\$0.00	\$0.00	\$50.00			\$0.00
Mobilization for Driller											\$800.00
Disposable Bailers (1.66" x 36")	6						\$48.20				\$48.20
Flush, round well covers 8 x12	3						\$289.17				\$289.17
Flush, square well cover 24 x24							\$0.00				\$0.00
Standpipe 8 x 40							\$0.00				\$0.00
55 gal DOT 17-H (soil) drums	12						\$478.09				\$478.09
55 gal DOT 17-E (wate) drums	6						\$239.05				\$239.05
Concrete ----->											\$300.00
Teflon Squares (100)							\$0.00				\$0.00
PID/FID	2						\$200.00				\$200.00
Traffic Control ----->											
Locks and Locking Plugs	3						\$95.68				\$95.68
OTHER EQUIPMENT ----->											
Well Development											\$3,000.00
Health and Safety Gear----->											\$50.00
Sparge System----->											
Subtotals (costs)	3				75	\$2,256.91	\$990.00	\$1,866.03	\$0.00	\$0.00	\$10,712.94
Hour Totals:					12.375	12.375					Unit Cost/Foot: \$149.97

Drilling		Labor	Field	Total Miles	Mileage	Vehicle	Vehicle	Hotel-	Travel	Line	Subtask
Motel/Perdiem/Travel		Hours	Days	Round Trips	Charges	Days (optional)	Cost	Perdiem	Cost	Total	Total
(AUTOMATIC)	Project Geologist	5.777778	2	260	\$72.80		\$0.00		\$0.00	\$535.02	
	Technician	0	0	0	\$0.00		\$0.00		\$0.00	\$0.00	\$535.02
Subtotals				260	\$72.80		\$0.00		\$0.00		

CPT Testing (Tonto[SAC] Pricing)		Labor Hrs.	Labor/Qty.	Item	Vehicle	Vehicle	Hotel-	Travel	Supplies	Line	Subtask
		or Quantity	\$/Hr.(Unit)	Subtotal	Days	Cost	Perdiem	Cost	Parts	Total	Total
	Principal (Field Work)		\$120.00	\$0.00		\$0.00		\$0.00		\$0.00	
	Sr. Engineer		\$100.00	\$0.00		\$0.00		\$0.00		\$0.00	
	Jr. Engineer		\$80.00	\$0.00		\$0.00		\$0.00		\$0.00	
	Principal (Report Writing)		\$120.00	\$0.00		\$0.00		\$0.00		\$0.00	
	Penetration permits----->										
	Encroachment Permits----->										
	CPT Mob. (enter Miles round trip)		\$297.50	\$0.00						\$0.00	
	CPT/Foot (quant. in feet)		\$7.44	\$0.00						\$0.00	
	Soil Sampling (feet)		\$6.84	\$0.00						\$0.00	
	PID/FID (per day)		\$100.00	\$0.00						\$0.00	
	Soil Gas (feet)		\$11.31	\$0.00						\$0.00	
	Groundwater Sampling (hours)		\$208.25	\$0.00						\$0.00	
	Hole Grouting (per foot, est. footage)		\$2.98	\$0.00						\$0.00	
	Crew (2-man) Perdiem (days)		\$190.40	\$0.00						\$0.00	
	Sample Rings		\$4.00	\$0.00						\$0.00	
	Miscellaneous Supplies		\$100.00	\$0.00						\$0.00	
	Decontamination (hours)		\$238.00	\$0.00						\$0.00	
	Tediar Sample Bags (Qty.)		\$25.00	\$0.00						\$0.00	
Subtotals				\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00

Include project mileage as vehicle days above

Estimated Aggregate Cost/Foot: ERR

RI Analytical Summary		Number of	Cost per	Analyses	Sample	Supplies	Line	Subtask
		Samples	Analysis	Subtotal	Disposal	Parts	Total	Total
	USEPA 8015 modified		\$120.00	\$0.00	\$0.00		\$0.00	
	USEPA 9070 Oil and Grease	18	\$50.00	\$900.00	\$72.00		\$1,156.68	
	Cal DOHS TPH gasoline	18	\$80.00	\$1,440.00	\$72.00		\$1,799.28	
	Cal DOHS TPH diesel	18	\$50.00	\$900.00	\$72.00		\$1,156.68	
	CAM 5 metals	18	\$140.00	\$2,520.00	\$72.00		\$3,084.48	
	CAM 17 metals			\$0.00	\$0.00		\$0.00	
	QA/QC samples			\$0.00	\$0.00		\$0.00	
	CHEMICAL ANALYSES			\$0.00	\$0.00		\$0.00	
	CHEMICAL ANALYSES			\$0.00	\$0.00		\$0.00	
	CHEMICAL ANALYSES			\$0.00	\$0.00		\$0.00	
	CHEMICAL ANALYSES			\$0.00	\$0.00		\$0.00	
	CHEMICAL ANALYSES			\$0.00	\$0.00		\$0.00	
	CHEMICAL ANALYSES			\$0.00	\$0.00		\$0.00	
	CHEMICAL ANALYSES			\$0.00	\$0.00		\$0.00	
	CHEMICAL ANALYSES			\$0.00	\$0.00		\$0.00	
Subtotals				\$5,760.00	\$288.00	\$0.00	\$0.00	\$7,197.12

Project Management		Labor	Labor	Labor	Computers/	Vehicle	Vehicle	Hotel-	Travel	Supplies	Line	Subtask
		Hours	Cost/Hour	Subtotal	Software	Days	Cost	Perdiem	Cost	Parts	Total	Total
	Senior	10	\$120.00	\$1,200.00	\$40.00		\$0.00		\$0.00		\$1,240.00	
	Project	12	\$95.00	\$1,140.00	\$48.00		\$0.00		\$0.00		\$1,188.00	
	Administrative Staff	12	\$45.00	\$540.00	\$48.00		\$0.00		\$0.00		\$588.00	
	Well Logs Preparation	6	\$50.00	\$300.00	\$24.00		\$0.00		\$0.00		\$324.00	\$3,340.00
Subtotals				\$3,180.00	\$160.00		\$0.00		\$0.00			

Quarterly Monitoring	Labor Hours	Labor Cost/Hour	Labor Subtotal	Computers/ Software	Vehicle Days	Vehicle Cost	Hotel-Perdiem	Travel Cost	Supplies Parts	Line Total	Subtask Total
Principal		\$120.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
Quarterly Reports	32	\$95.00	\$3,040.00	\$128.00		\$0.00		\$0.00		\$3,168.00	
Sampling/Technician	56	\$65.00	\$3,640.00	\$224.00	8	\$800.00		4	\$400.00	\$200.00	\$5,264.00
Technician		\$50.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
Generator										\$240.00	
Grundfos Purge Pump										\$500.00	
Subtotals			\$6,680.00	\$352.00		\$800.00		\$400.00	\$200.00		\$9,172.00

Pneumatic/Hydraulic Conductivity VET/Pumptest Workplan	Labor Hours	Labor Cost/Hour	Labor Subtotal	Computers/ Software	Vehicle Days	Vehicle Cost	Hotel-Perdiem	Travel Cost	Supplies Parts	Line Total	Subtask Total
Principal		\$120.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
Sr. Engineer		\$100.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
Secretary		\$50.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
VET Permit											
Communications										\$0.00	\$0.00
Subtotals			\$0.00	\$0.00		\$0.00		\$0.00			\$0.00

Perform VET/Pumptest	Labor Hours	Labor Cost/Hour	Labor Subtotal	Computers/ Software	Vehicle Days	Vehicle Cost	Hotel-Perdiem	Travel Cost	Supplies Parts	Line Total	Subtask Total
Principal		\$120.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Sr. Engineer		\$100.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Jr. Engineer		\$80.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Technician		\$50.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
PID/FID (days)		\$100.00	\$0.00							\$0.00	
Chem. Anal										\$0.00	
Communications										\$0.00	
VR Systems										\$0.00	
Subtotals			\$0.00	\$0.00		\$0.00		\$0.00	\$0.00		\$0.00

Task 1
Total
\$33,185.09

Task II: System Design System Design and Acquisition	Labor Hours	Labor Cost/Hour	Labor Subtotal	Computers/ Software	Vehicle Days	Vehicle Cost	Hotel-Perdiem	Travel Cost	Supplies Parts	Line Total	Subtask Total
Principal		\$120.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Sr. Engineer		\$100.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Jr. Engineer		\$80.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Secretary		\$50.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Communications											
VES System											
Instrumentation											
Electrical Install/Permits											
Gas Install/Permits											
Other Permits											
Other Utilities											
Installation Contractor											
Telephone Install											
Subtotals			\$0.00	\$0.00		\$0.00		\$0.00	\$0.00		\$0.00

Task 2
Total
\$0.00

Task 3

	Labor Hours	Labor Cost/Hour	Labor Subtotal	Computers/ Software	Vehicle Days	Vehicle Cost	Hotel-Perdiem	Travel Cost	Supplies Parts	Line Total	Subtask Total
AQMD/APCD Permit											
Principal			\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Sr. Engineer		\$100.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Jr. Engineer		\$80.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Drafting		\$50.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Secretary		\$50.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Permit Fees----->											
Communications											
Subtotals			\$0.00	\$0.00		\$0.00		\$0.00	\$0.00		\$0.00

Task Total \$0.00

Task 4

	Labor Hours	Labor Cost/Hour	Labor Subtotal	Computers/ Software	Vehicle Days	Vehicle Cost	Hotel-Perdiem	Travel Cost	Supplies Parts	Line Total	Subtask Total
System Setup											
Principal		\$120.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
Sr. Engineer		\$100.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
Jr. Engineer		\$80.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
Technician		\$50.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
Sound Enclosure----->											
Communications----->											
Thermal Oxidizer Mob----->											
Subtotals			\$0.00	\$0.00		\$0.00		\$0.00	\$0.00		\$0.00

Task Total \$0.00

Task 5

	Labor Hours	Labor Cost/Hour	Labor Subtotal	Computers/ Software	Vehicle Days	Vehicle Cost	Hotel-Perdiem	Travel Cost	Supplies Parts	Line Total	Subtask Total
Operation and Maintenance											
Principal		\$120.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
Sr. Engineer		\$100.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
Jr. Engineer		\$80.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
Technician		\$50.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	
Communications----->											
VES Unit----->											
Carbon Polish----->											
Sample Analyses----->											
Natural Gas----->											
Electricity----->											
Subtotals			\$0.00	\$0.00		\$0.00		\$0.00	\$0.00		\$0.00

Task Total \$0.00

Task 6: Closure

	Quantity	Hole Depth	Drill Hours	Geo-Crew Cost	Materials Cost	Drilling Cost	Decon etc.	Line Total	Subtask Total
Layne									
Sample Bores			0.00	\$0.00		\$0.00	\$0.00	\$0.00	
Casing									
Mobilization									
Hammer									
Sample Analyses									\$0.00

Costs
Drill Hours>> 0 0

CPT/Hollow Stem Penetrations

	Quantity	Hole Depth	Total Footage	Penetration Costs	Geologist Cost	Other Costs	Line Total	Subtask Total
(HFA PRICING)								
CPT Mob. (enter round trip miles)						\$0.00	\$0.00	
Drilling Mob. (enter Qty)							\$0.00	
CPT Soil Samples (40 feet/hr.)			0	\$0.00	\$0.00		\$0.00	
8" Open Boring			0	\$0.00	\$0.00		\$0.00	
Analyses----->								
Encroachment permits								
Boring/penetration permits								\$0.00
Subtotals				\$0.00	\$0.00			
Hours				0	0			

Drilling Motel/Perdiem/Travel (AUTOMATIC)	Labor	Field	Total Miles	Mileage	Vehicle	Vehicle	Hotel-	Travel	Line	Subtask
	Hours	Days	Round Trips	Charges	Days	Cost	Perdiem	Cost	Total	
Project Geologist	2.888889	1	130	\$36.40		\$0.00		\$0.00	\$267.51	\$267.51
Technician	XXXXXX	XXXXXX	XXXXXX	XXXXXX		\$0.00		\$0.00	\$0.00	
Subtotals			130	\$36.40		\$0.00		\$0.00		

PIER Report	Labor	Labor	Labor	Computers/	Vehicle	Vehicle	Hotel-	Travel	Supplies	Line	Subtask
	Hours	Cost/Hour	Subtotal	Software	Days	Cost	Perdiem	Cost	Parts	Total	
Principal		\$120.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$2,568.00
Sr. Engineer	3	\$120.00	\$360.00	\$12.00		\$0.00		\$0.00	\$0.00	\$372.00	
Jr. Engineer	16	\$95.00	\$1,520.00	\$64.00		\$0.00		\$0.00	\$0.00	\$1,584.00	
Drafting	4	\$50.00	\$200.00	\$16.00		\$0.00		\$0.00	\$0.00	\$216.00	
Word Processing	4	\$45.00	\$180.00	\$16.00		\$0.00		\$0.00	\$0.00	\$196.00	
Client Meetings		\$120.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Communications										\$200.00	
Subtotals			\$1,880.00	\$76.00		\$0.00		\$0.00	\$0.00		

Task
Total
\$2,835.51

Task 7 System Shutdown	Labor	Labor	Labor	Computers/	Vehicle	Vehicle	Hotel-	Travel	Supplies	Line	Subtask
	Hours	Cost/Hour	Subtotal	Software	Days	Cost	Perdiem	Cost	Parts	Total	
Principal		\$120.00	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00	\$0.00
Sr. Engineer		\$80.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Jr. Engineer		\$70.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Technician		\$50.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	
Communications											
Trench Pipes Out											
Well Abandone.											
Gas Shutdown											
Subtotals			\$0.00	\$0.00		\$0.00		\$0.00	\$0.00		

Task
Total
\$0.00

Drill Mats Purchase Orders (Totals)	PVC Blank(s) (based on (10' lengths)	PVC Screen(s) (based on (10' lengths)	PVC Plugs/Caps	Enviroplug (M) Grout Chips (50# bags)	Enviroplug (1/4) Tablets (5 gal bucket)	Monterey #3 Sand (100 lb bags)
2"	0	0	0	0	0	0
2"	1.5	6	3	1.2	2.76	21.12
4"	0	0	0	0	0	0
2"	0	0	0	0	0	0
4"	0	0	0	0	0	0
6"	0	0	0	0	0	0
2"	0	0	0	0	0	0
4"	0	0	0	0	0	0
6"	0	0	0	0	0	0
Total bags				1	3	21
Total buckets						
Total bags						

TOTAL ESTIMATED COSTS \$36,020.60
CONTINGENCY (%) 10.00%
TOTAL ESTIMATE W/CONTINGENCY \$39,622.66

Expendable Categories (ODC, CPU, Vehicles etc.)		
Rental Vehicles	Days	8
	Dollar Value	\$800.00
Computers/Software \$\$	Dollar Value	\$676.00
Hotel/Perdiem	Days	4
	Dollar Value	\$400.00
Field Cash Budget: Parts etc.	Dollar Value	\$200.00