

6940 Tremont Road Dixon, CA 95620 A,B Haz License #455752 Tel (707) 693-2929 Fax (707) 693-2922

Alameda County

Project No. 3936

September 10, 2003

Mr. Don Wang Alameda County Environmental Health 1311 Harbor Bay Parkway, Suite 250 Alameda, California 94502-6577

Subject:

Addendum to Corrective Action Plan

Express Gas & Mart

2951 High Street, Oakland, California

Dear Mr. Wang:

I spoke with your supervisor, Donna Drogos, September 4, 2003 regarding the *Corrective Action Plan* for the subject site dated July 28, 2003. She briefly reviewed the document and gave me her initial comments. First, she requested that a cost evaluation be provided for the three remedial options evaluated. Second, she requested that we clearly state the cleanup levels and goals established for the site. Third, she requested an estimate of groundwater velocity based on the hydraulic gradient and estimated permeability of the soil. Fourth, she requested bibliographic references in professional literature describing the geology of the region. Finally, She suggested that remedial activities be performed as an Interim Remedial Action rather than as a final Corrective Action Plan.

The cost analysis for the three selected remedial options (air sparging with soil vapor extraction, iSOCTM in-well oxygen diffusion technology, and ozone sparging) is provided in **Attachment A** to this letter. Air sparging with soil vapor extraction will cost \$195,586. The iSOC oxygen diffusion technology will cost \$144,862. Our recommended remedial technology, ozone sparging will cost \$145,357. This cost includes testing, startup and one year of maintenance.

Cleanup levels for the site were established in a Tier 2 Risk-Based Corrective Action (RBCA) analysis performed in August 1997 by Christopher Palmer. The RBCA established site-specific threshold levels (SSTLs) for petroleum hydrocarbons in soil and groundwater. The draft RBCA was reviewed and commented on by ACEH. Mr. Palmer addressed these comments in the final RBCA and the ACHCS approved the RBCA, including the proposed SSTLs, in a letter dated October 21, 1997. SSTLs for soil and groundwater are provided in the following table.

Sm 1 2 2003

Project No. 3936 Page 2

Cleanup Levels for Soil and Groundwater

Media (units)	MtBE	benzene	toluene	ethylbenzene	xylenes
Soil (mg/Kg)	9.7	2.6	1.6	1.9	2.8
Groundwater (ug/L)	8,400	200	270	180	470

Reference: Addendum to Risk Assessment for Zima Center Corporation, 2951 High Street, Oakland, Christopher Palmer, August 22, 1997.

Cleanup Goals for Groundwater

	MtBE	benzene	toluene	ethylbenzene	xylenes
Groundwater (ug/L)	5	1	150	700	1,750

Reference: San Francisco Bay Basin Plan, San Francisco Bay Regional Water Quality Control Board, Table 3-5 Water Quality Objectives for Municipal Supply. Note these same values are primary or secondary maximum contaminant levels (MCLs) for drinking water.

The groundwater velocity was estimated based on a hydraulic gradient of 0.042 ft/ft measured during our most recent groundwater sampling event on July 16, 2003 and an estimated hydraulic conductivity of from 10^{-3} to 10^{-5} cm/sec based on a gravelly clay soil (Freeze and Cherry, 1979). The estimated groundwater velocity ranges from 0.0012 to 0.12 ft/day. If we consider that MtBE is moving at the same rate as groundwater advection (i.e., no adsorption or degradation) then a molecule of MtBE could move from 0.4 to 40 feet in one year.

E. J. Helley and R.W. Graymer in USGS Open File Report 97-97, 1997 classified sediments in this locale as Holocene-age alluvial fan and fluvial deposits.

We concur with Ms. Drogos recommendation that the ozone sparging system be installed as an interim remedial action. However, if we demonstrate that SSTLs (i.e. cleanup levels) have been achieved and that constituents of concern are attenuating toward cleanup goals established in the RWQCB basin plan, then the case will be closed by ACEH. We look forward to receiving your approval of the Corrective Action Plan.

As I mentioned to you in our conversation last week, the owner of the property has made a down payment on ozone sparge system and is anxious to install the system to expedite the remediation. The owner must show the California UST Cleanup Fund that the ACEHS has approved the interim remedial action prior to pre-approving costs to install the system. We need your approval of the proposed remedial action as soon as possible.

Ms. Drogos requested that I provide a "legal document" showing that a property transaction is currently underway. The property is presently in escrow and I have provided documentation to this effect in **Attachment B**.

Please contact me at (707) 693-2929 if I can be of further assistance to you in your timely review of the *Corrective Action Plan*.

Sincerely,

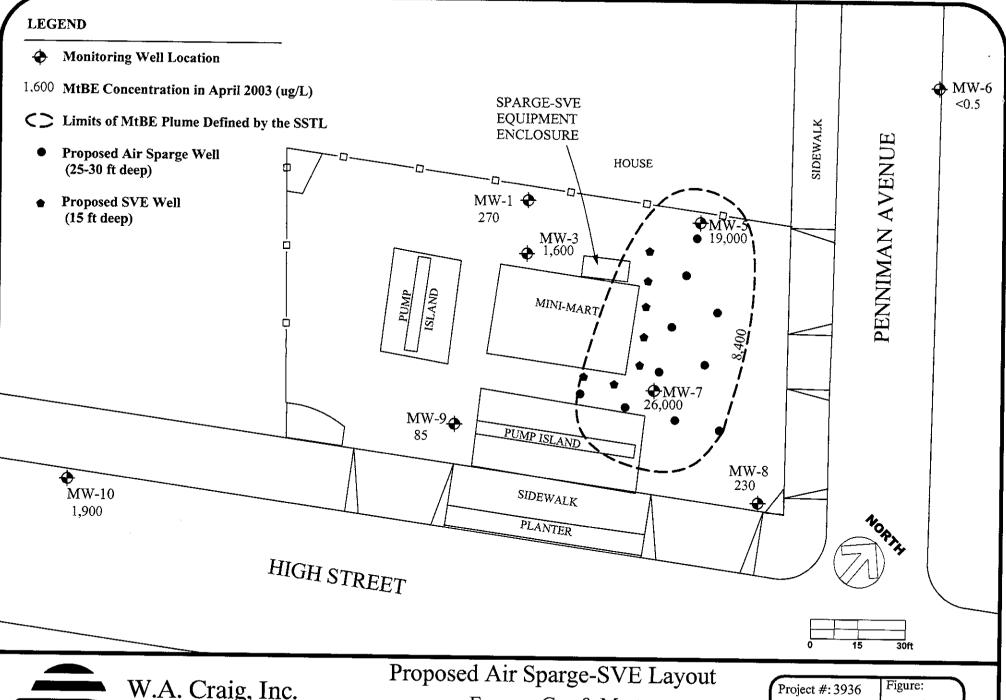
W.A. Craig, Inc.

Tim Cook, P.E. Principal Engineer

Attachments (2)

cc: Mr. Aziz Kandahari, Kandahari Trading Company Mr. Michael Wayne V., Remax Real Estate Services

ATTACHMENT A COST ESTIMATES FOR REMEDIAL ALTERNATIVES





W.A. Craig, Inc.

6940 Tremont Road

Lic. no. 455752

Dixon, California 95620-9603

(707) 693-2929

Fax (707) 693-2922

Express Gas & Mart 2951 High Street Oakland, California

Project #: 3936	Figure:
Date: 9/8/03	1
Scale: 1"=30'	

COST BREAKDOWN

Install Air Sparge (10 wells) + SVE (7 wells) System and One Year of O&M

Site:

Express Gas & Mart 2951 High Street, Oakland, California WAC Project No. 3936

	<u>U</u> 1	nit Rate	Units	Amount	<u>t</u> 8	Subtotal		
Labor Costs	,	various	man-hrs	98	\$	8,500.00	•	
WAC Equipment								
Field Vehicle	\$	60.00	day	3	\$	180.00		
Subcontractors and Materials								
Air Permit for SVE Combustion Unit	\$	250.00	ea	1	\$	250.00		
Utility Locating Service	\$	540.00	ea	1	\$	540.00		
Markup (10%)			ea		\$	79.00		
Site Specific Health and Safety Plan	\$	800.00	ea	1	\$	800.00		

		Unit Rate	Units	Amount	Subtotal
Labor Costs		various	man-hrs	348	\$
WAC Equipment					
Tool Truck	\$	90.00	day	7	\$ 630.00
Field Trucks	\$	60.00	day	17	\$ 1,020.00
Mob/Demob	\$	600.00	ea	1	\$ 600.00
Saw Cutting	\$	3.00	ft	420	\$ 1,260.00
Compressor & Jackhammer	\$	180.00	day	3	\$ 540.00
Operated Trencher	\$	765.00	day	3	\$ 2,295.00
Operated Bobcat	\$	840.00	day	4	\$ 3,360.00
PID	\$	100.00	day	5	\$ 500.00
ubcontractors, Rented Equipment, and Materia	ls				
Oriller and Well Construction Materials	\$	18,035.00	ea	1	\$ 18,035.00
aboratory (waste profile)	\$	110.00	sample	4	\$ 440.00
ectrician	\$	3,500.00	ea	1	\$ 3,500.00
ırveyor	\$	750.00	ea	1	\$ 750.00
sphalt Roller	\$	230.00	ea	1	\$ 230.00
emporary Fencing & Trench Plates	\$	130.00	day	7	\$ 910.00
parge & Vacuum lines, Valves, & Fittings	\$	850.00	ea	1	\$ 850.00
Hower, Compressor, other aboveground Equipment	\$	3,700.0	ea	1	\$ 3,700.0
0" x 17" Well Vaults	\$	165.00	ea	17	\$ 2,805.0
ented Catalytic Oxidizer-Shipping & Hookup	\$	3,340.00	ea	1	\$ 3,340.00
ecurity Fence and Sound Baffling (installed)	\$	1,200.00	ea	1	\$ 1,200.00
sposal of trenching soil & concrete debris	\$	750.00	ea	1	\$ 750.00
and Backfill & new Concrete/AC	\$	1,250.00	ea	1	\$ 1,250.00
larkup (10%)					\$ 3,776.00

TASK 3 – Dev	op the Sparge Wells and Baseline Sampling for the Sparg	e Wells
Hz.1 1 11		

(the baseline sampling includes TPH, BTEX, & Oxys analyses)

		Rate	Units	No.		Subtotal
Labor Costs		various	man-hrs	49.5	\$	3,412.50
VAC Equipment		Rate	Units	No		Subtotal
Field Vehicle	\$	60.00	day	4	\$	240.00
Groundwater Development/Sampling Equipment	\$	205.00	day	4	\$	820.00
ubcontractors and Materials						
aboratory	\$	200.00	well	10	\$	2,000.00
isposable Bailers & Other Expendables	\$	40.00	well	10	\$	400.00
Aarkup (10%)					\$	240.00
				TASI	K SU	BTOTAL

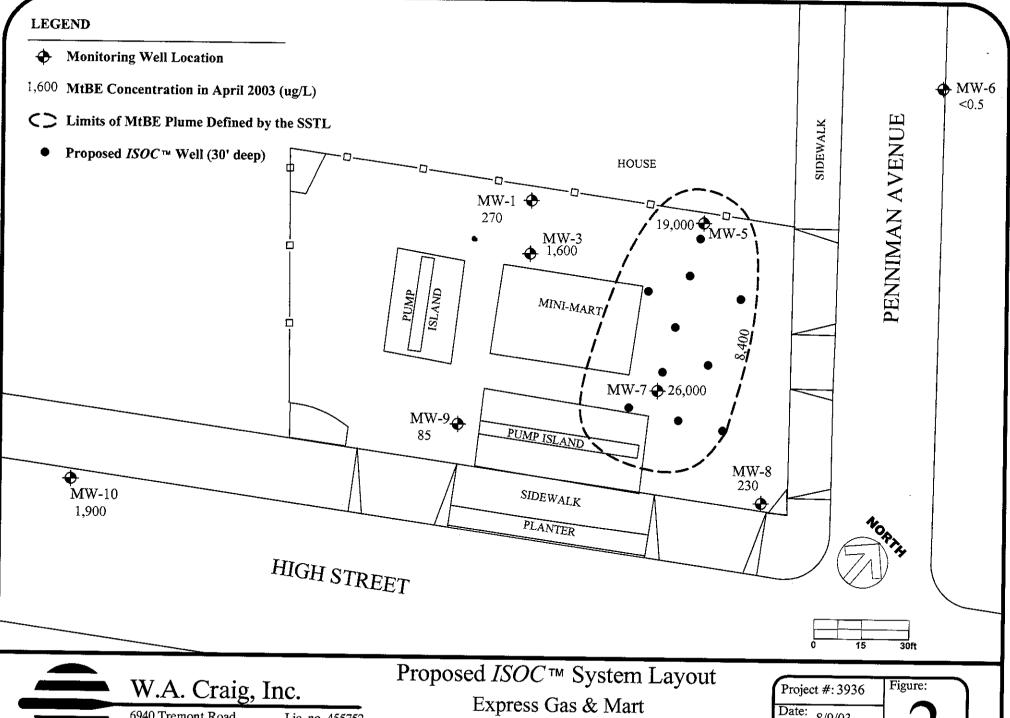
TASK 4 – Weekly Groundwater Monitoring for the First 2 Months, O&M for 1 Year, Reporting

(the weekly monitoring includes dissolved oxygen in all monitoring wells and sampling 2 wells bi-weekly for TPH, BTEX, & Oxys; monitoring includes checking SVE wells with a PID, but does not include sampling of soil gas potentially required for the air permit)

	 Rate	Units	No.		Subtotal
Labor Costs	various	man-hrs	653	\$	50,985.00
WAC Equipment	Rate	Units	No		Subtotal
Field Vehicle	\$ 60.00	day	56	\$	3,360.00
PID	\$ 100.00	day	55	\$	5,500.00
Groundwater Sampling Equipment	\$ 205.00	day	4	\$	820.00
Subcontractors and Materials					
Laboratory	\$ 200.00	well	8	\$	1,600.00
Catalytic Oxidizer Rental for 9 Months	\$ 2,830.00	month	9	\$	25,470.00
Uninstall Catalytic Oxidizer & Return to Vendor	\$ 2,520.00	ea	1	\$	2,520.00
Purchase/Install 4-Drum Carbon Treatment System	\$ 2,400.00	ea	1	\$	2,400.00
Dispose & Replace Spent Carbon	\$ 450.00	drum	4	\$	1,800.00
Remediation System Maintenance Supplies	\$ 20.00	month	12	\$	240.00
Disposable Bailers & Other Sampling Expendables	\$ 30.00	well	8	\$	240.00
Markup (10%)			Ū	\$	3,427.00
Electricity costs for first 9 Months	\$ 1,300.00	month	9	\$	11,700.00
Electricity costs for last 3 Months	\$ 800.00	month	3	\$	2,400.00
			<u>TASI</u>	<u>K</u> SU	BTOTAL \$

TOTAL* \$195,586

^{*} Costs do not include the transport and disposal of contaminated Investigative Derived Wastes.





6940 Tremont Road

Lic. no. 455752

Dixon, California 95620-9603

(707) 693-2929

Fax (707) 693-2922

Express Gas & Mart 2951 High Street Oakland, California

8/9/03

Scale: 1"=30'

COST BREAKDOWN Install 10-Well ISOC System and One Year of O&M

Site:

Express Gas & Mart 2951 High Street, Oakland, California WAC Project No. 3936

	TASK 1 - Project Planning, System Design, Baseline Sampling for O ₂ Demand Parameters (3 Wells),
	Pre-Field Preparations, Regulatory Requirements
-	· · · · · ·
ı	** * * * * * * * * * * * * * * * * * *

	<u>_U</u>	nit Rate	Units	<u>Amount</u>		Subtotal	
Labor Costs		various	man-hrs	97	\$	8,315.00	
WAC Equipment							
Groundwater Sampling Equipment	\$	205.00	day	1	\$	205.00	
Field Vehicle	\$	60.00	day	4	\$	240.00	
Subcontractors and Materials							
County Well Installation Permits	\$	-	well	10	\$	_	
Laboratory	\$	167.00	well	3	\$	501.00	
Utility Locating Service	\$	540.00	ea	1	\$	540.00	
Disposable Bailers & Other Expendables	\$	30.00	well	3	\$	90.00	
Markup (10%)			ea		\$	113.10	
Site Specific Health and Safety Plan	\$	800.00	ea	1	\$	800.00	
			TAS	K SUBTO	ΓΑΙ	\$	5 10,80

		Jnit Rate	Units	Amount	,	Subtotal
Labor Costs		various	man-hrs	201	\$	
WAC Equipment						
Tool Truck	\$	90.00	day	3	\$	270.00
Field Trucks	\$	60.00	day	9	\$	540.00
Mob/Demob	\$	600.00	ea	1	\$	600.00
Saw Cutting	\$	3.00	ft	160	\$	480.00
Compressor & Jackhammer	\$	180.00	day	2	\$	360.00
Operated Backhoe	\$	900.00	day	2	\$	1,800.00
PID	\$	100.00	day	3	\$	300.00
Subcontractors, Rented Equipment, and Mater	ials					
Oriller and Well Construction Materials	\$	13,130.00	ea	1	\$	13,130.00
aboratory (waste profile)	\$	110.00	sample	4	\$	440.00
urveyor	\$	600.00	ea	1	\$	600.00
French Plates	\$	75.00	day	3	\$	225.00
SOCs & Control Panels (includes shipping)	\$	4,100.00	ea	10	\$	41,000.00
Tubing, Valves, & Fittings	\$	35.00	well	10	\$	350.00
Oxygen Cylinders (20 ft ³)	\$	75.0	ea	20	\$	1,500.0
6" x 24" Well Vaults (includes shipping)	\$	400.00	ea	10	\$	4,000.0
New Concrete (includes hauling)	\$	275.00	ea	1	\$	275.00
-Stage Regulators	\$	240.00	ea	10	\$	2,400.0
bisposal of excess soil & concrete debris	\$	225.00	ea	1	\$	225,00
Лагкир (10%)					\$	6,414.50

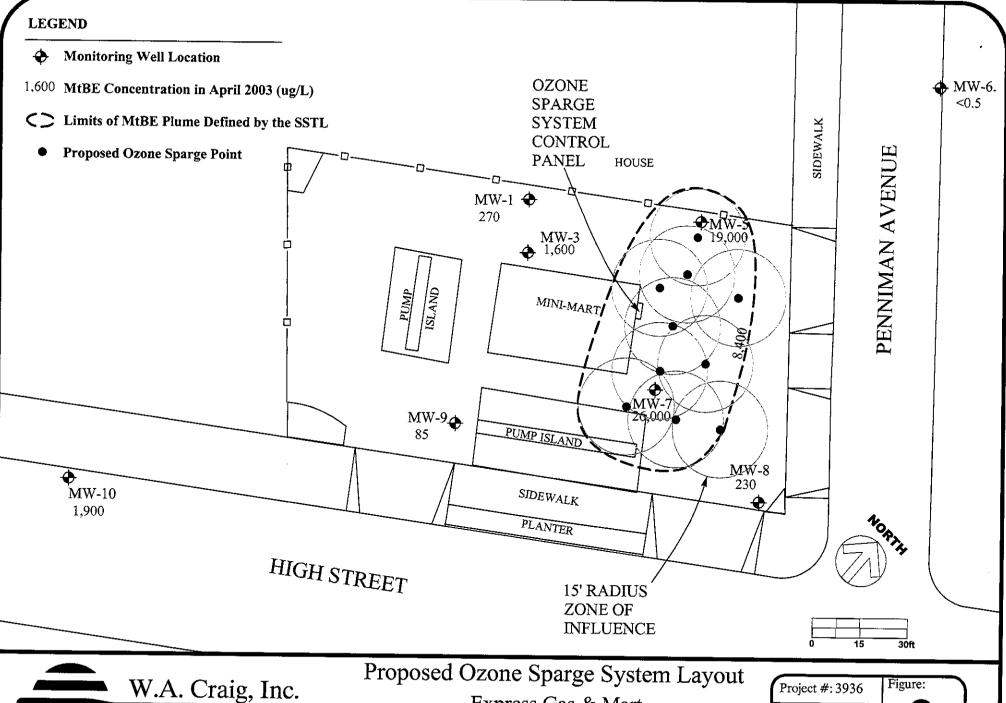
		Rate	<u>Units</u>	No.		Subtotal
Labor Costs		various	man-hrs	49.5	\$	3,412.50
WAC Equipment		Rate	Units	No	9	Subtotal
Field Vehicle	\$	60.00	day	4	<u> </u>	240.00
Groundwater Development/Sampling Equipment	\$	205.00	day	4	\$	820.00
ubcontractors and Materials						
aboratory	\$	200.00	well	10	\$	2,000.00
Disposable Bailers & Other Expendables	\$	40.00	well	10	\$	400.00
Markup (10%)	Ψ	10.00	******	10	\$	240.00

TASK 4 – Weekly Groundwater Monitoring for the First 2 Months, O&M for 1 Year, Reporting (the weekly monitoring includes dissolved oxygen in all ISOC & monitoring wells and sampling 2 monitoring wells bi-weekly for TPH, BTEX, & Oxys; after the first 2 months, O&M visits will be made once a month)

		Rate	<u>Units</u>	No.		Subtotal
Labor Costs	,	various	man-hrs	390	\$	30,210.00
WAC Equipment		Rate	Units	No	9	Subtotal
Field Vehicle	\$	60.00	day	22	\$	1,320.00
Groundwater Sampling Equipment	\$	205.00	day	4	\$	820.00
Subcontractors and Materials						
Laboratory	\$	200.00	well	8	\$	1,600.00
Oxygen Cylinder Refills	\$	13.00	ea	60	\$	780.00
High-Range Dissolved Oxygen Meter	\$	118.00	day	18	\$	2,124.00
Miscellaneous Supplies	\$	10.00	month	12	\$	120.00
Disposable Bailers & Other Sampling Expendables	\$	30.00	well	8	\$	240.00
Markup (10%)					\$	486.40
				TAS	K SU	BTOTAL

	
TECHT AT A	0444055
TOTAL*	\$144,862

^{*} Costs do not include the transport and disposal of contaminated Investigative Derived Wastes.





6940 Tremont Road Lic. no. 455752

Dixon, California 95620-9603

(707) 693-2929

Fax (707) 693-2922

Express Gas & Mart 2951 High Street Oakland, California Date: 7/23/03

Scale: 1"=30'

3

COST BREAKDOWN

Install 10-Well Ozone Sparge System and One Year of O&M

Site:

Express Gas & Mart 2951 High Street, Oakland, California WAC Project No. 3936

TASK 1 - Project Planning, System Design Pre-Field Preparations, Regulatory Requi		1	2			15 (5 110115)
	U ;	nit Rate	Units	Amount	\$	Subtotal
Labor Costs		various	man-hrs	97	\$	8,315.00
WAC Equipment						
Groundwater Sampling Equipment	\$	205.00	day	1	\$	205.00
Field Vehicle	\$	60.00	day	4	\$	240.00
Subcontractors and Materials						
County Well Installation Permits	\$	-	well	10	\$	_
Laboratory	\$	167.00	well	3	\$	501.00
Jtility Locating Service	\$	540.00	ea	1	\$	540.00
Disposable Bailers & Other Expendables	\$	30.00	well	3	\$	90.00
Markup (10%)			ea		\$	113.10
Site Specific Health and Safety Plan	\$	800.00	ea	1	\$	800.00
			TAS	K SUBTO	TAI	,

		Jnit Rate	Units	Amount	Subtotal
Labor Costs		various	man-hrs	282	\$ 19,670.00
WAC Equipment					
Fool Truck	\$	90.00	day	5	\$ 450.00
Field Trucks	\$	60.00	day	13	\$ 780.00
Mob/Demob	\$	600.00	ea	1	\$ 600.00
aw Cutting	\$	3.00	ft	350	\$ 1,050.00
Compressor & Jackhammer	\$	180.00	day	2	\$ 360.00
Operated Trencher	\$	765.00	day	2	\$ 1,530.00
Operated Bobcat	\$	840.00	day	3	\$ 2,520.00
ID	\$	100.00	day	3	\$ 300.00
ubcontractors, Rented Equipment, and Mater	ials				
rilling Subcontractor	\$	9,300.00	ea	1	\$ 9,300.00
aboratory (waste profile)	\$	110.00	sample	4	\$ 440.00
ectrician	\$	3,500.00	ea	1	\$ 3,500.00
urveyor	\$	600.00	ea	1	\$ 600.00
sphalt Roller	\$	230.00	ea	1	\$ 230.00
emporary Fencing & Trench Plates	\$	130.00	day	5	\$ 650.00
parge lines, Valves, & Fittings	\$	600.00	ea	1	\$ 600.00
VA Ozone Sparge System & Sparge Points	\$	26,150.0	ea	1	\$ 26,150.0
0" x 17" Well Vaults	\$	165.00	ea	10	\$ 1,650.0
ecurity Fence (installed)	\$	600.00	ea	1	\$ 600.0
sposal of trenching soil & concrete debris	\$	525.00	ea	I	\$ 525.00
nd Backfill & new Concrete/AC	\$	950.00	ea	1	\$ 950.00
farkup (10%)					\$ 4,519.50

TASK 3 – Weekly Groundwater Monitoring for the First 2 Months, O&M for 1 Year, Reporting (the weekly monitoring includes dissolved oxygen in all wells and sampling 2 wells bi-weekly for TPH, BTEX, & Oxys; O&M to include weekly visits)

		Rate	Units	No.		Subtotal
Labor Costs	,	various	man-hrs	582	\$	45,420.00
WAC Equipment		Rate	Units	No	i	Subtotal
Field Vehicle	\$	60.00	day	56	\$	3,360.00
Ozone Meter	\$	30.00	day	55	\$	1,650.00
Groundwater Sampling Equipment	\$	205.00	day	4	\$	820.00
Subcontractors and Materials						
KVA Startup Assistance	\$	400.00	ea	1	\$	400.00
Laboratory	\$	200.00	well	8	\$	1,600.00
Ozone System Maintenance Supplies	\$	20.00	month	12	\$	240.00
Disposable Bailers & Other Sampling Expendables	\$	30.00	well	8	\$	240.00
Markup (10%)					\$	248.00
Electricity Costs (no markup)	\$	300.00	month	12	\$	3,600.00
				TASI	K SU	BTOTAL

TOTAL*	\$145,357
	\$2.10,007

^{*} Costs do not include the transport and disposal of contaminated Investigative Derived Wastes.

ATTACHMENT B PROPERTY TRANSACTION DOCUMENTS

ESCROW CONTROL COMPANY

830 Kiely Boulevard, Suite 103, Santa Clara, CA 95051 P.O. Box 2458, Santa Clara, CA 95055-2458

(408) 246-2263 Fax: (408) 246-2211

Date: September 8, 2003

Attn: Donna Drogos Alameda County Environmental Health 1131 Harbor Bay Parkway Alameda, CA 94502

Escrow No. 59151-DL/59152-DL Re: Express Gas & Mart, 2950 High Street, Oakland, CA 94619

sent via fax to 707-693-2922

Dear Ms. Drogos

Please be advised that we have an escrow open for the sale of the above referenced business and the real property upon which it is located.

We anticipate close of escrow to be on or about October 15, 2003. Escrow #59151-DL is for the purchase of the real property: Escrow #59152-DL is for the purchase of the business known as Express Gas & Mart.

We appreciate having the opportunity of working with you. If there are any items you want furnished to you, please let us know so that we may provide them to you when we receive them. If you have any understooms, please fall us.

Deborah Limon Escrow Officer

State of California

County of Sanla Clara

Subscribed and sworn (or aftermed) to before

(Signature Chi

me this 84 day of S

(Signature of Notary)

K. MC LEOD
COMM. #131148B
Notery Public California
SANTA CLARA COUNTY
My Comm, Exp. June 36, 2005

September 4, 2003

Via Facsimile: 1.707.693.2922

ALAMEDA COUNTY ENVIRONMENTAL HEALTH Ms. Donna Drogos 1131 Harbor Bay Parkway Alameda, California 94502

Re: Express Gas & Mart 2951 High Street Oakland, California 94619

Dear Ms. Drogos:

As the brokerage firm overseeing all contractual matters regarding the sale of Express Gas & Mart, we thank you for the immediate attention you have given this case. For the record, Mr. Aziz Kandahari, President of Himalaya Trading Company Dba: Express Gas & Mart, whose business address is, 2951 High Street, Oakland, California, have entered into contract as of June 14, 2003 with Mr. Nhon Nguyen and Ms. Loan Tran.

On June 16, 2003 ratified agreements for the purchase of said business and real property were consummated by and between the parties as noted above. Escrow Officer, Ms. Deborah, Limon of Escrow Control Company (Business address: 830 Kiely Blvd., Suite 103, Santa Clara, California 95051), on June 16, 2003 received an earnest money deposit in the amount of \$50,000.00 (Fifty Thousand) for escrow number: 59151-DL, receipt number: 108763 (see: attached copy).

Additionally, Escrow Control Company received \$50,000.00 (Fifty Thousand), for escrow number: 59152-DL, receipt number: 108762 (see: attached copy). In total as of June 16, 2003, \$100,000.00 (One Hundred Thousand) has been placed in trust with Escrow Control Company for the purchase of Express Gas & Mart and real property. We anticipate the close of escrow, and/or legal transfer to be on or around Wednesday, October 15, 2003.

To further assist your office, and to confirm said transaction, I've instructed Ms. Deborah Limon (Escrow Control Company), to provide an internal [notarized] document to support the material facts as legal confirmation on said subject matter.

It would be my pleasure to assist your office in any manner necessary relative to the purchase agreements between our clients. Please do not hesitate to call me directly.

Regards

Michael Wayne V.

Co. Mr. Tim Cook, W.A. CRAIG, INC.

Mr. Aziz, Kandahari, HIMALAYA TRADING CO. Ms. Deborah, Limon, ESCROW CONTROL CO.

Real Estate Services and Operated

Michael Wayne V.

"The Agent That Doesn't Sleep"

Office: 408.252.9800 x2299

Fax: 408.252,9819 e-mail: michaelvilla-lobos@remax.net



RECEIPT NO.

108763

Escrow Control Company 830 Klely Boulevard, Suite 103 Santa Clara, CA 95051 (408) 246-2263

ESCROW NO. 59151-DL

DATE

Property.

2950 High Street, Oakland, CA 94619

06/16/2003

RECEIVED

Nhon Ngoc Nguyen and Loan Thi Tran-

OF

AMOUNT \$****50,000,00

FIFTY THOUSAND AND 00/100 DOLLARS ----

ABA Number	Check Number	Description
		000011011
90-7162	2098	
	90-7162	90-7162 2098

Checking Account Number 4993935645

BY

Received on behalf of <u>BUYER/BORROWER</u>

ORIGINAL

RECEIPT NO.

108762

'Escrow Control Company 830 Kiely Boulevard, Suite 103 Santa Clara, CA 95051 (408) 246-2263

ESCROW NO.

59152-DL

DATE

Property: .

Express Gas, 2951 High Street, Oakland, CA 94619

06/16/2003

RECEIVED

24 Market

ÜF

AMOUN'F \$*****50,000.00

FIFTY THOUSAND AND 00/100 DOLLARS -----

0.01	ABA Number	Check Number	Description		
CASH CHECK	90-78	2039			
CASHIER'S CHECK		2009			
DRAFT					
OTHER	<u> </u>				

Checking Account Number 022006684

Received on behalf of <u>BUYER/BORROWER</u>

ORIGINAL