ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
COLLEEN CHAWLA, Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY, SUITE 250
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

May 8, 2018

Leo and Kay Macias
1109 Brown Avenue
Lafayette, CA 94596

Robert and Rusty Moody
132 Rudgear Drive
Walnut Creek, CA 94596-6316

David and Vinitha Watson, Trustees
1328 Windemere Avenue
Menlo Park, CA 94025
(Sent via electronic mail to: david.watson@gmail.com)

Zoo Studios, LLC
1035 7th Street, #8
Oakland, CA 94607

Subject: Case Closure for Fuel Leak Case RO0000036 and GeoTracker Global ID T0600101646, Vend Mart Property, 1035 7th Street, Oakland, CA 94607

Dear Ladies and Gentlemen:

This letter transmits the enclosed Remedial Action Completion Certificate and Case Closure Summary for the subject leaking underground fuel tank case. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. This Remedial Action Completion Certificate and the case closure summary can also be viewed on the State Water Resources Control Board's GeoTracker website (http://geotracker.waterboards.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

This site is closed with residual contamination that limit future land use to the current commercial land use as a commercial facility in its current configuration. Land use restrictions are described in the attached Case Closure Summary.

If you have any questions, please call the Caseworker, Mark Detterman, at (510) 567-6876. Thank you.

Sincerely,

Dilan Roe, P.E.
Chief, Land Water Division

Enclosures:
1. Remedial Action Completion Certification
2. Case Closure Summary

cc with enclosure: Jim Gribi, Gribi Associates, 1090 Adams Street, Suite K, Benicia, CA 94510, (Sent via electronic mail to: jgribi@gribiassociates.com)

Mathew Rosman, 1090 Adams Street, Suite K, Benicia, CA 94510, (Sent via electronic mail to: mrosman@gribiassociates.com)

James Yoo, Alameda County Public Works Agency, 399 Elmhurst Street, #113, Hayward, CA 94544, (Sent via electronic mail to: jamesy@acpwa.org)

Dilan Roe, ACDEH (Sent via e-mail to: dilan.roe@acgov.org)
Mark Detterman, ACDEH (Sent via e-mail to: mark.detterman@acgov.org)
Paresh Khatri, ACDEH (Sent via e-mail to: paresh.khatri@acgov.org)
Case Electronic File, GeoTracker

ALAMEDA COUNTY
HEALTH CARE SERVICES
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1131 HARBOR BAY PARKWAY, SUITE 250
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REMEDIAL ACTION COMPLETION CERTIFICATION

May 7, 2018

Leo and Kay Macias
1109 Brown Avenue
Lafayette, CA 94596

Robert and Rusty Moody
132 Rudgear Drive
Walnut Creek, CA 94596-6316

David and Vinitha Watson, Trustees
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Zoo Studios, LLC
1035 7th Street, #8
Oakland, CA 94607

Subject: Case Closure for Fuel Leak Case RO0000036 and GeoTracker Global ID T0600101646, Vend Mart Property, 1035 7th Street, Oakland, CA 94607

Dear Ladies and Gentlemen:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Please be aware that claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ronald Browder
Director

Leaking Underground Storage Tank (LUST) Cleanup Site
Case Closure Summary Form
Vend Mart Property (T060010646/RO0000036)

1. CASE INFORMATION

A. Facility/Site Address (Case Name & Address)

Project Name	Address
Vend Mart Property	1035 7th Street, Oakland, CA 94607

B. Case Identification Numbers

Cleanup Oversight Agencies	Case/ID No
Alameda County Local Oversight Program (LOP) - Lead Agency	RO0000036
San Francisco Bay Regional Water Quality Control Board (Region 2)	N/A
State Water Resources Control Board GeoTracker Global ID	T060010646

C. Lead Agency Information

Agency Name:	Agency Address:	Agency Phone:
Alameda County Department of Environmental Health (ACDEH)	1131 Harbor Bay Parkway, Alameda, CA 94502-6577	(510) 567-6700
Case Worker:	LOP Supervisor:	Land Water Division Chief:
Mark Detterman, PG 4799, CEG 1788	Paresh Khatri	Dilan Roe, PE C73703

D. Responsible Party Information

Responsible Parties:	Address:
Leo & Kay Macias	1109 Brown Avenue, Lafayette, CA 94596
Robert J. & Rusty L. Moody	132 Rudgear Drive, Walnut Creek, CA 94596-6316
David & Vinitha Watson, Trustees	1328 Windemere Avenue, Menlo Park, CA 94025
Zoo Studios, LLC	1035 7th Street, #8, Oakland, CA 94607

2. PROPERTY INFORMATION

A. Assessor Parcel Numbers (APNs)

Current	4-19-4-3
Historic	Not Applicable

B. Alternate Addresses

Not Applicable

C. Environmental Cases Associated with Property

Case Type	Lead Oversight Agency	Site ID No.	Potential Contaminants of Concern	Status (Open/Closed)
LUST[1]	ACDEH	T060010646/RO0000036	TPHg, BTEX, MTBE, Naphthalene	1993 / May 2018
SCP[1]	ACDEH	Not Applicable	Not Applicable	Not Applicable
Other[2]	DTSC	01990012	Chlorinated hydrocarbons, lead	1994/1999
Other[3]	EPA	Not Applicable	Not Applicable	Not Applicable
Post-Closure[1]	N/A	Not Applicable	Not Applicable	Not Applicable

[1] Refer to the State Water Resources Control Board's GeoTracker database for case information: https://geotracker.waterboards.ca.gov

[2] Refer to the California Department of Toxics Substances Control Board's (DTSC) Envirostor database for case information: http://www.dtsc.ca.gov/sitecleanup/cleanup_sites_index.cfm

[3] Refer to the United States Environmental Protection Agency's (EPA) Site Specific National Cleanup Databases for case information: https://www.epa.gov/cleanups/site-specific-national-cleanup-databases

D. Identified Historic Land Use & Operations

Type	Description
Residential and Commercial	The site is located in an industrial area of western Oakland immediately adjacent to both the former Interstate-880 Cypress Structure and the new Cypress Freeway. Known historic land use at the site has been residential and commericial. From approximately 1930's to 1950's the site was a vacant lot and later developed into residential property. In 1963 the site was developed with a warehouse facility. Leaking Underground Fuel Leak Case RO0000036 was opened in 1988 by ACDEH to investigate contamination of soil and groundwater that was detected during removal of a gasoline UST. Envirostor ID No. 01990012 – Marble Technics West was opened by DTSC in 1994 during the reconstruction of a portion of I-880 to replace the Cypress Structure that collapsed during the Loma Prieta Earthquake in October 1989. Caltrans obtained easement rights to construct two footings on the property for the support structure of an elevated portion of the I-880 realignment. During the project six borings were advanced in the back of the property in a strip of land located next to an abandoned onramp of Interstate 880 to collect soil and groundwater samples for the purpose of evaluating health and safety and soil disposal requirements. One to five feet of soil was excavated from two footings and disposed of at an off-site facility. No information on other historic land uses at the site is contained in the case file.

3. LUST CASE SUMMARY

A. Reason Case Opened

Leaking Underground Storage Tank (LUST) Cleanup Site Case No. T060010646/RO0000036 was opened in 1988 by ACDEH to investigate and evaluate impacts to human health and the environment associated with an unauthorized release from a gasoline UST and associated UST system components that were removed from the site in 1988.

Other potential chemicals of concern from historic land use and operations at the site were not evaluated in association with this LUST case.

B. Known UST Systems at the Site

UST System Component	Size / Quantity	Material Stored	Status	URF Filing Date:
UST	10,000-gallon	Gasoline	Removed	6/15/1988

C. Unauthorized Release Description

TPHg was detected in a soil sample from the UST tank pit collected following removal of the UST at a concentration of 680 mg/kg, and in a stockpile soil sample at a concentration of less than 100 mg/kg. Benzene was detected at a concentration of 11 mg/kg at the bottom of the tank pit.

D. Site Investigations

Site investigations were conducted from 1988 to 2006 to evaluate the extent of subsurface impacts both onsite and offsite to soil and groundwater from the fuel release. Groundwater samples were collected from an onsite groundwater monitoring well (MT/W-1) in 1988, 1992 and 2006 and an onsite boring (MT/B-1) in 1991. Soil samples were collected from two onsite borings (MW-1 and MT/B-1 and five offsite borings (B-1, B-2, B-3, B-4, and B-5) advanced in 1991 immediately downgradient of the property and release by Cal-Trans during the I-880 realignment project. Soil bores B-1 to B-3 are considered downgradient of the release, and soil bores B-4 and B-5 are considered crossgradient from the release.

E. Site Geology & Hydrogeology

The subsurface geology at the site consists of interbedded layers of poorly graded sands and gravelly sands to a depth of approximately 11 feet bgs, the total depth explored. The shallowest recorded depth to water observed in groundwater monitoring well MW-1 is 11.5 feet bgs.

F. Non Aqueous Phase Liquid (NAPL)

Concentrations of petroleum hydrocarbons detected in the soil sample collected in the tank pit excavation indicate the historic presence of residual NAPL in soil. However, analytical results for soil and groundwater samples indicate that the release was limited in extent and the residual source material in the vicnity of the former tank pit area is weathered.

G. Remediation

No remediation other than the UST removal and excavation of the tank pit has been conducted.

4. POTENTIAL CONTAMINANTS OF CONCERN

A. Constituents Evaluated & Residual Contamination Remaining at Closure

Material Stored/Dispensed in UST System	Analytes	Sampled, Residual	Media						
			S	GW	SW	SV	SS	IA	OA
Engine Fuels ☒ Gasoline Fuel (1, 2, 9, 10, 11, 12, 13, 14) ☐ Diesel Fuel (2, 9, 10) ☐ Jet Fuel (1, 2, 4, 9, 10) **Heating Oils** ☐ Kerosene (2, 5, 9, 10) ☐ Residential Heating Oils (2, 3, 9, 10) ☐ Commercial & Industrial Heating Oils (1, 2, 3, 7, 9, 10, 15, 16) **Other Oils** ☐ Waste (Used) Oil (1, 2, 3, 9, 10, 15, 16, 17, 18) ☐ Hydraulic Oil (8, 16, 17) ☐ Dielectric Oil (2, 3, 10, 16, 17) ☐ Unknown Oil (1, 2, 3, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18) **Solvents** ☐ Hydrocarbon Solvents (2, 3, 6, 9, 10)	TPH-g[1]	Sampled	☒	☒	☐	☐	☐	☐	☐
		Residual	☒	☐	☐	☐	☐	☐	☐
	TPH-d[2]	Sampled	☒	☒	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	TPH-mo[3] (soil only)	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	TPH-jf[4]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	TPH-k[5]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	TPH-ss[6]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	TPH-bo[7]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	TPH- ho[8]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	BTEX[9]	Sampled	☒	☒	☐	☐	☐	☐	☐
		Residual	☒	☐	☐	☐	☐	☐	☐
	Naphthalene[10]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	MTBE/TBA[11]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	EDB/EDC[12]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	Organic Lead[13] (TML, TEL)	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	Fuel Oxygenates[14] (DIPE, TAME, EtOH, ETBE)	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	VOCs[15] (full scan)	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	SVOCs[16]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	PCBs[17]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	Metals[18] (Cd, Cr, Pb, Ni, Zn)	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐

S = Soil, GW = Groundwater, SW = Surface Water, SV = Soil Vapor, SS = Sub-Slab Vapor, IA = Indoor Air, OA = Outdoor Air

5. CLOSURE SUMMARY

A. Low Threat Closure Policy (LTCP) Evaluation

This UST release case has been evaluated for closure consistent with the State Water Resource Control Board's Low-Threat Underground Storage Tank Closure Policy (LTCP) for petroleum related contaminants. ACDEH has determined that the site meets all the LTCP General and the Media Specific Criteria for Groundwater.

The site does not meet the Media Specific Criteria for Vapor Intrusion to Indoor Air and the Media Specific Criteria for Direct Contact. However, based on an analysis of site specific conditions a determination has been made that the residual contamination in soil and groundwater at the site poses a low threat to human health and safety and to the environment under current and reasonably anticipated near-term future scenarios,.

Refer to Attachments 4 through 7 for detailed information on the LTCP evaluation.

B. Well Status (Groundwater)

No. of Wells Installed: 1	No. of Wells Lost: 1
No. of Wells Destroyed: 0	No. of Wells Retained: 0

C. Vapor Probe Status

No. of Soil Vapor Probes (VP) Installed: 0 No. of Sub-Slab Probes Installed: 0	No. of VPs Lost: 0
No. of VPs Destroyed: 0	No. of VPs Retained: 0

D. Waste Removal Status

All investigation and remediation derived waste associated with the gasoline UST release was removed from the site.

E. Public Comment

A 60 day public notification period was completed on December 20, 2014. Refer to Attachment 3 for case closure notification information. No comments were received.

6. ADMINISTRATIVE, INSTITUTIONAL & ENGINEERING CONTROLS

A. Land Use at Time of Closure

At the time of closure the land use at the site was commericial and the site was developed with an 8,000 square foot building used as a recording studio, landscaped areas and asphalt paving. There are no known plans to redevelop the site in the near future.

Future modifications to site improvements and/or land use at the site or in the vicinity of the site may change the low risk closure determination.

B. Administrative Controls

Site Management Requirements: Due to residual petroleum hydrocarbon subsurface contamination, the site has been closed with the following site management requirements. The site management requirements associated with this case are specific to petroleum hydrocarbon contamination related to historic releases from UST systems and do not address other site contamination that may be in the subsurface from historic land use at and in the vicinity of the site.

a. **Repair & Maintenance of Existing Site Improvements:** Any repair or maintenance activity of existing site improvements in areas of residual contamination requires planning and implementation of appropriate health and safety procedures prior to and during excavation activities. These activities include repair or maintenance of existing foundations, utility lines, hardscape, landscaping or other work occurring beneath the grade level of the existing finished surface. Activities covered under this category do not include modifications or redevelopment activities described below.

   Each contractor shall be responsible for the safety of its employees and site visitors and must adhere to a site-specific health and safety plan prepared for the work in accordance with California Occupational Safety and Health Administration requirements and use properly trained personnel in accordance with California Code of Regulations, Title 29, Part 1910.120 Hazardous Waste Operations and Emergency Response (HAZWOPER) standards.

a. **Modifications to Existing Site Improvements:** Prior to permitting of any proposed modifications to the existing site improvements that include modifications to the foundation, subsurface utilities and/or hardscape or subsurface work, the property owner and the local building and planning authority with permitting jurisdiction at the site must notify ACDEH as required by Government Code Section 65850.2.2. ACDEH will re-evaluate the site relative to the proposed modifications to assess risk to human health under the proposed changes.

b. **Site Redevelopment.** Prior to permitting of any proposed site redevelopment including a change in land use to residential, or other conservative land use, the property owner and the local building and planning authority with permitting jurisdiction at the site must notify ACDEH as required by Government Code Section 65850.2.2. ACDEH will re-evaluate the site relative to the proposed redevelopment to assess risk to human health under the proposed land use scenario from subsurface contamination associated all recognized environmental concerns at the site.

C. Engineering Controls

Not Applicable

D. Institutional Controls

Not Applicable

6. ADMINISTRATIVE, INSTITUTIONAL & ENGINEERING CONTROLS (CONTINUED)

E. Environmental Due Diligence

ACDEH recommends that during the environmental due diligence process (initiated as part of activities including, but not limited to, property transactions, bank refinancing, and redevelopment) that the site and parcels in the vicinity of the site be evaluated for risk from and exposure to potential chemicals of concern identified at this site.

7. LOCAL AGENCY SIGNATURES

Dilan Roe, PE, C73703	Title: Chief, Land Water Division
Signature: Dilan Roe	Date: 5/8/2018
Paresh Khatri	LOP Supervisor
Signature:	Date: 5/8/2018
Mark Detterman, PG 4799, CEG 1788	Title: Senior Hazardous Materials Specialist
Signature:	Date: 5/8/2018

This Case Closure Summary along with the Remedial Action Completion Certification provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. Additional information on the case can be viewed in the online case file. Case files can be viewed over the Internet on the Alameda County Department of Environmental Health website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Both databases should be reviewed to obtain a complete history.

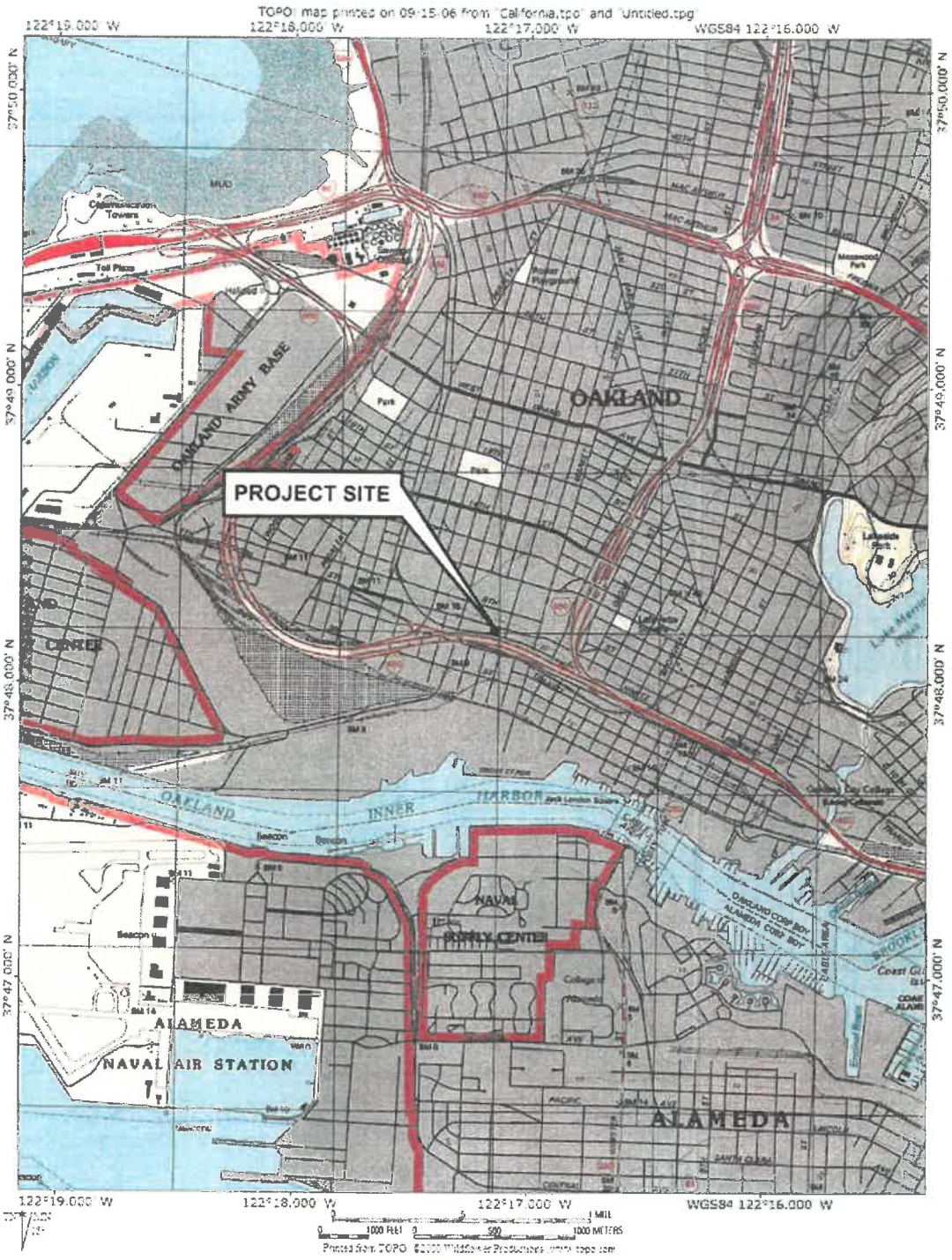
ATTACHMENTS

No.	Description	No. of Pages
1	Site Vicinity and Site Map Figures	5
2	Responsible Party Information	7
3	Case Closure Public Notification Information	3
4	Geotracker LTCP Evaluation Checklist	1
5	LTCP Media Specific Evaluation - Groundwater	2
6	LTCP Media Specific Evaluation - Vapor Intrusion	2
7	LTCP Media Specific Evaluation - Direct Contact	2
8	Figures with Sampling Locations	3
9	Boring Logs	5
10	Groundwater Data	5
11	Soil Data	14
12	Sensitive Receptor Data	1

ACRONYMS

ACDEH	Alameda County Department of Environmental Health
APN	Assessor Parcel Number
BTEX	benzene, toluene, ethylbenzene, xylenes
EDB	ethylene dibromide or 1,2-dichloroethane (1,2-DCA)
EDC	ethylene dichloride
CEG	Certified Engineering Geologist
Cd	cadmium
Cr	chromium
c/o	care of
DIPE	di-isopropyl ether
DTSC	California Department of Toxic Substances Control
EPA	Environmental Protection Agency
ETBE	Ethyl tert butyl ether
EtOC	ethanol
ft bgs	feet below ground surface
GW	groundwater
IA	indoor Air
ID	Identification
K	1,000
LOP	Local Oversight Program
LTCP	State Water Resources Control Board's Low Threat Closure Policy
LUST	Leaking Underground Storage Tank
MTBE/TBA	methyl tert butyl either/t-Butyl alcohol
Ni	nickel
NA	not analyzed
NR	not required
OA	outdoor air
Pb	lead
PCBs	polychlorinated biphenyls
PE	California Professional Engineer
PG	California Professional Geologist
S	soil
SCP	Site Cleanup Program
SS	sub-slab vapor
SV	soil vapor
SVOCs	semi volatile organic compounds
SW	surface water
TAME	tert amyl methyl ether
TPHbo	total petroleum hydrocarbons as bunker oil
TPHd	total petroleum hydrocarbons as diesel
TPHg	total petroleum hydrocarbons as gasoline
TPHho	total petroleum hydrocarbons as hydraulic oil
TPHjf	total petroleum hydrocarbons as jet fuel
TPHk	total petroleum hydrocarbons as kerosene
TPHmo	total petroleum hydrocarbons as motor oil
TPHss	total petroleum hydrocarbons as stoddard solvent
UST	Underground Storage Tank
VOCs	volatile organic compounds
Zn	zinc
mg/kg	milligrams per kilogram
µg/L	microgram per liter
µg/m3	microgram per cubic meter
>, <, ≥	greater than, less than, or greater than or equal to
%	percent

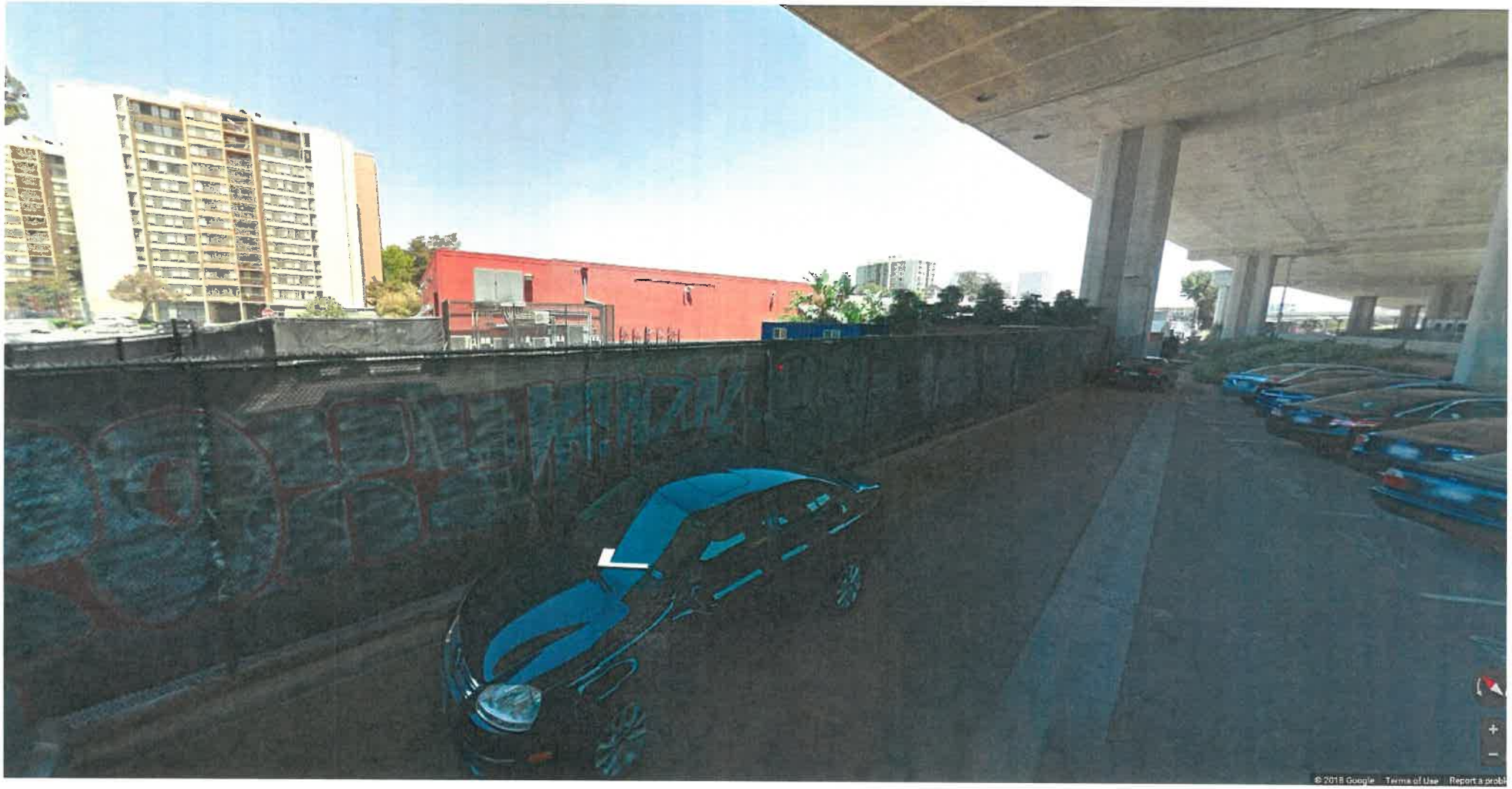
ATTACHMENT 1



DESIGNED BY:	CHECKED BY:	SITE VICINITY MAP	DATE: 09/14/06	FIGURE: 1
DRAWN BY: JG	SCALE:			
PROJECT NO: 302-02-01		1035 7TH STREET OAKLAND, CALIFORNIA		GRIBI


880
5th St
Nimitz Fwy
Fifteenth St
7th St
N37°48'12.96"
1035 7th St


1035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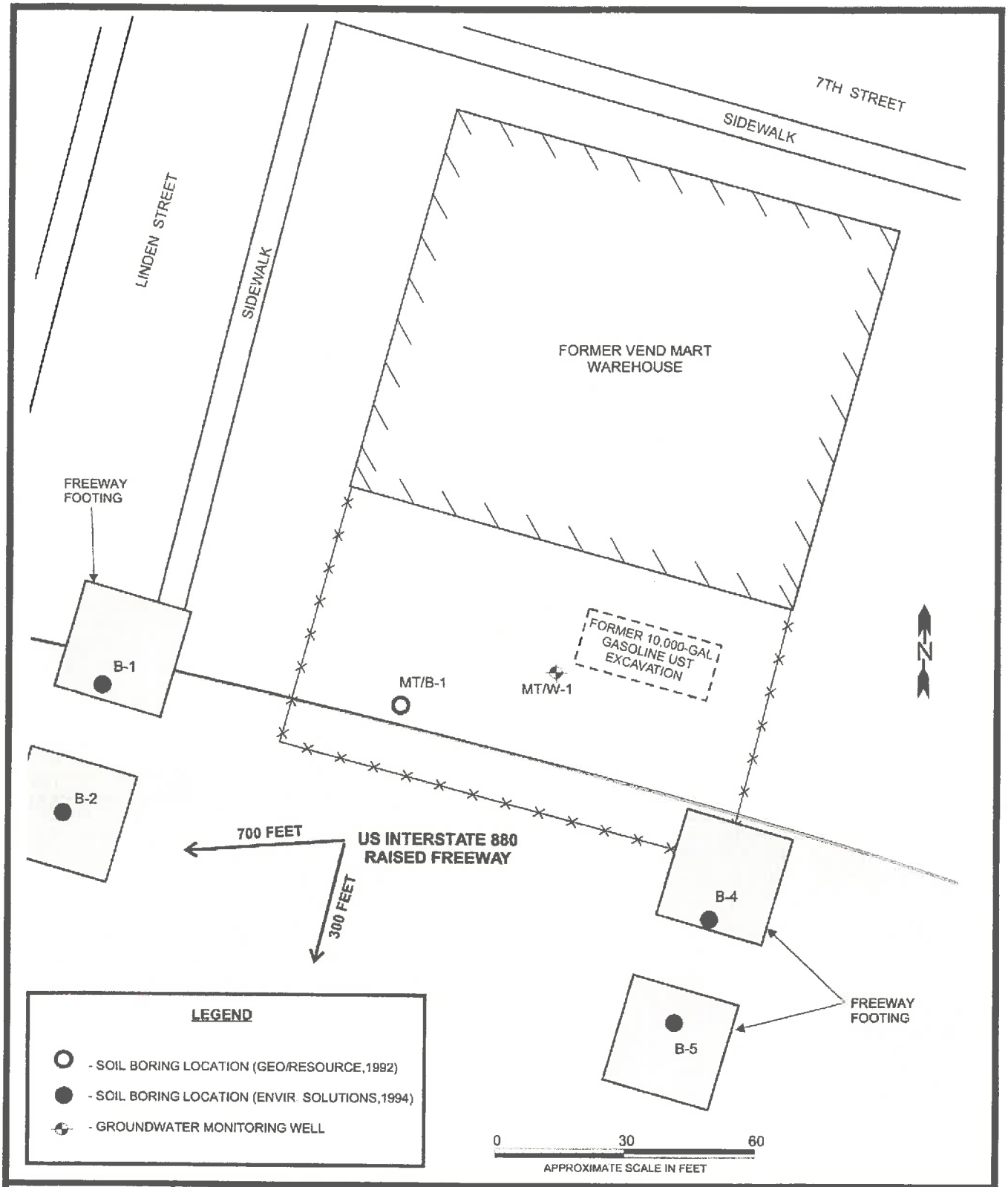


DESIGNED BY:	CHECKED BY:	SITE PLAN	DATE: 09/14/06	FIGURE: 2
DRAWN BY: JG	SCALE:			
PROJECT NO: 302-02-01		1035 7TH STREET OAKLAND, CALIFORNIA		

ATTACHMENT 2

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

October 16, 2014

Zoo Studios LLC
1035 7th St #8
Oakland, CA 94607-2602

Robert J. and Rusty L. Moody
132 Rudgear Drive
Walnut Creek, CA 94596-6306

David and Vinitha Watson, Trustees
1328 Windmere Ave.
Menlo Park, CA 94025

Leo and Kay Macias
1109 Brown Avenue
Lafayette, CA 94596

Subject: Notice of Responsibility, Fuel Leak Case No. RO0000036 and GeoTracker Global ID T0600101646, Vend Mart Property, 1035 7th Street, Oakland, CA 94607

Dear Responsible Parties:

In a Notice of Requirement of Reimburse dated August 2, 1993, Robert and Rusty Moody, and Leo and Kay Macias were notified that the above referenced site had been placed in the Local Oversight Program (LOP) and that they had been named as a Responsible Party for the fuel leak case. In a Notice of Responsibility (NOR) dated October 30, 2013, David and Vinitha Watson were notified that the above referenced site had been placed in the LOP and that they had been named as a Responsible Party for the fuel leak case. Additional parties have been named as Responsible Parties for the fuel leak case in the attached updated NOR as defined under 23 C.C.R. Sec. 2720. Please see Attachment A – Responsible Parties Data Sheet, which identifies all Responsible Parties and provides background on the unauthorized release and Responsible Party Identification.

Sincerely,

Digitally signed by Mark E. Detterman
DN: cn=Mark E. Detterman, o, ou, email, c=US
Date: 2014.10.16 15:56:21 -07'00'

Mark E. Detterman, P.G., C.E.G.
Senior Hazardous Materials Specialist

Enclosures: Notice of Responsibility (Zoo Studios LLC only)
Attachment A – Responsible Parties Data Sheet

Attachment 1 – Responsible Party(ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: Cindy Davis, SWRCB (*Sent via E-mail to: cindy.davis@waterboards.ca.gov*)
Dilan Roe, ACEH (*Sent via E-mail to: dilan.roe@acgov.org*)
Mark Detterman, ACEH (*Sent via E-mail to: mark.detterman@acgov.org*)
GeoTracker, Case Electronic File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
ALEX BRISCOE, Agency Director

ENVIRONMENTAL HEALTH DEPARTMENT
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Certified Mail #: 7009 2820 0001 4359 6033

October 16, 2014

NOTICE OF RESPONSIBILITY

Site Name & Address:
VEND MART PROPERTY
1035 7TH ST
Oakland, CA 94607

Local ID: RO0000036
Related ID: 3621
RWQCB ID: 01-1778
Global ID: T0600101646

Responsible Party:

ZOO STUDIOS LLC
1035 7TH STREET #8
OAKLAND CA 94607-2602

Date First Reported: 6/21/1988
Substance: 8006619 Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Funding for Oversight: LOPS - LOP State Fund
Multiple RPs?: Yes

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified ZOO STUDIOS LLC as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5752.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker MARK DETTERMAN at this office at (510) 567-6876 if you have questions regarding your site.

ARIU LEVI, Director
Contract Project Director

Date: 10/16/14

Action: Add
Reason: ADD

Attachment A: Responsible Parties Data Sheet

cc: Cindy Davis, SWRCB (email: cindy.davis@waterboards.ca.gov) | Dilan Roe (email: dilan.roe@acgov.org), File

ALAMEDA COUNTY ENVIRONMENTAL HEALTH
LUFT LOCAL OVERSIGHT PROGRAM

ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET

October 16, 2014

Site Name & Address:
VEND MART PROPERTY
1035 7TH ST
Oakland, CA 94607

Local ID:	**RO0000036**
Related ID:	**3621**
RWQCB ID:	**01-1778**
Global ID:	**T0600101646**

All Responsible Parties

RP has been named a Primary RP - LEO & KAY MACIAS

1109 BROWN AVENUE | LAFAYETTE, CA 94596 | No Phone Number Listed

RP has been named a Primary RP - ROBERT J. & RUSTY L. MOODY

132 RUDGEAR DR | WALNUT CREEK, CA 94596 | Phone (925) 890-8440

RP has been named a Primary RP - DAVID & VINITHA WATSON, TRUSTEES

1328 WINDMERE AVE | MENLO PARK, CA 94025 | No Phone Number Listed

RP has been named a Primary RP - ZOO STUDIOS LLC

1035 7TH STREET #8 | OAKLAND, CA 94607-2602 | No Phone Number Listed

Responsible Party Identification Background

Alameda County Environmental Health (ACEH) names a "Responsible Party," as defined under 23 C.C.R Sec. 2720. Section 2720 defines a responsible party 4 ways. An RP can be:

1. "Any person who owns or operates an underground storage tank used for the storage of any hazardous substance."
2. "In the case of any underground storage tank no longer in use, any person who owned or operated the underground storage tank immediately before the discontinuation of its use."
3. "Any owner of property where an unauthorized release of a hazardous substance from an underground storage tank has occurred."
4. "Any person who had or has control over an underground storage tank at the time of or following an unauthorized release of a hazardous substance."

ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET (Continued)

October 16, 2014

Responsible Party Identification

Existence of Unauthorized Release

On June 15, 1988, one 10,000-gallon underground storage tank (UST) was removed from the site. Concentrations up to 680 milligrams per kilogram (mg/kg) Total Petroleum Hydrocarbons (TPH) as gasoline and 11 mg/kg benzene were detected in soil. These data indicate that an unauthorized release had occurred.

Responsible Party Identification

Leo and Kay Macias purchased the property in November 1983 and are a responsible party because they owned the property where an unauthorized release has occurred (definition 3), and had control over an UST at the time of or following an unauthorized release of a hazardous substance (Definition 4).

Robert J. and Rusty L. Moody purchased the property in July 1988 and are a responsible party because they owned the property where an unauthorized release has occurred (Definition 3).

David and Vinitha Watson, Trustees, purchased the property in November 2006 and are a responsible party because they owned the property where an unauthorized release has occurred (Definition 3).

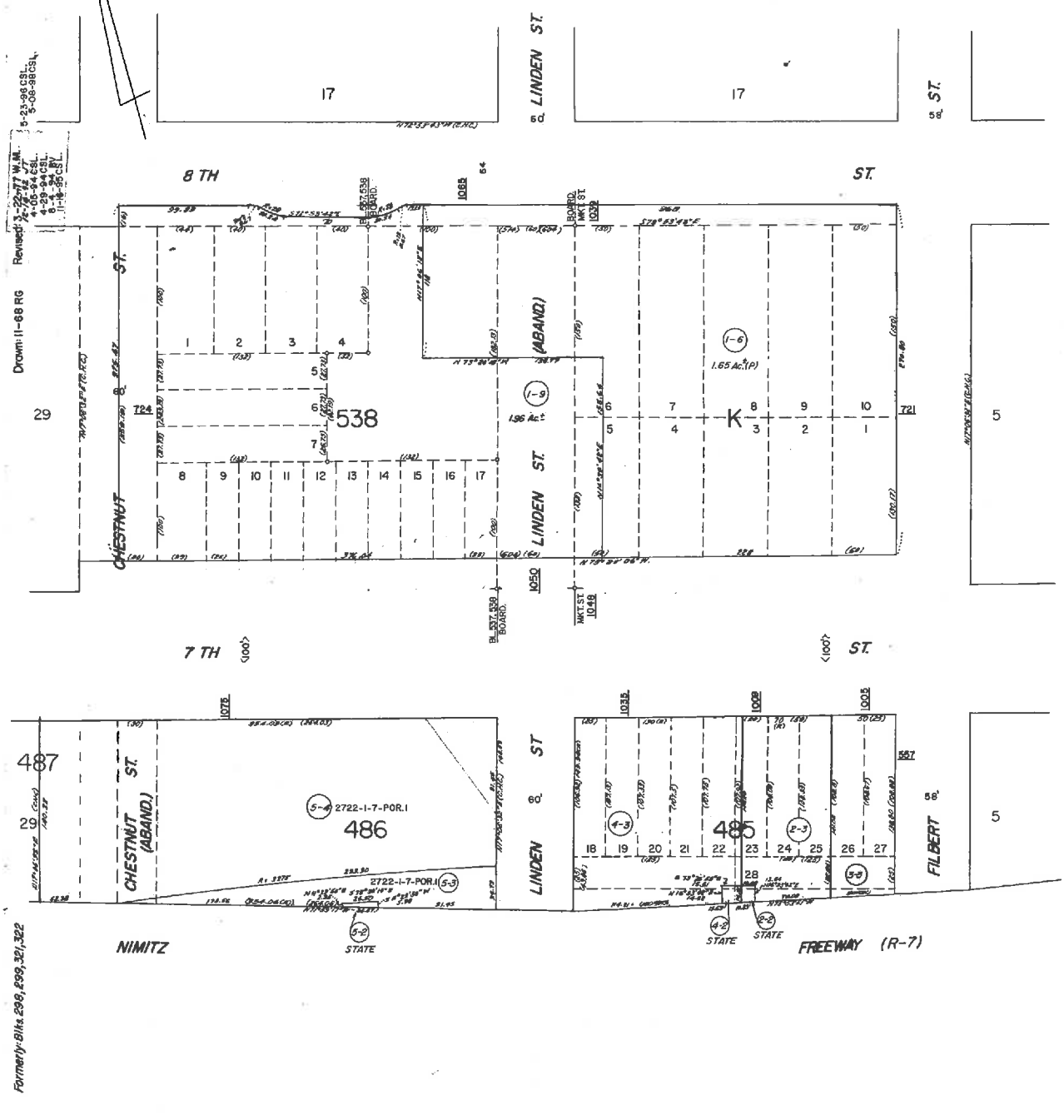
Zoo Studios LLC purchased the property in October 2013 and are a responsible party because they currently own the property where an unauthorized release has occurred (Definition 3).

ASSESSOR'S MAP 4

Code Area Nos. 17-014

19 Scale: 1" = 60'

OAKLAND AND VICINITY (BOARDMAN) (Bk. 17 Pg. 14)
MARKET ST. TRACT OAKLAND (Bk. 3 Pg. 23)
SUB. OF BLOCK 485 (Bk. 7 Pg. 17)
POR. OF BLOCKS 537, 538 (Bk. 10 Pg. 59)



A.C.M. Reference:

COUNTY OF ALAMEDA
Assessor's Office
Property Value System

Help

New Query

History | Value | Transfer | Map | Glossary

Parcel Number:**4-19-4-3** Inactive:**N** Lien Date:**01/01/2017** Owner:**ZOO STUDIOS LLC**
Property Address: **1035 7TH ST, OAKLAND, CA 94607-2619**
Parcel History

Mailing Name		Historical Mailing Address	Document Date	Document Number	Value From Trans Tax	Parcel Count	Use
ZOO STUDIOS LLC	List Owners	1035 7TH ST # 8, OAKLAND, CA 94607-2602	10/31/2013	2013-350683		1	9400
WATSON VINITHA & DAVID TRS	List Owners	1328 WINDMERE AVE , MENLO PARK, CA 94025	11/16/2006	2006-426619	$1,675,000	1	4100
MOODY ROBERT J & RUSTY L	List Owners	132 RUDGEAR DR , WALNUT CREEK, CA 94596-6316	07/06/1988	1988-166550		2	4100

All information on this site is to be assumed accurate for property assessment purposes only, and is based upon the
Assessor's knowledge of each property. Caution is advised for use other than its intended purpose.

The Alameda County Intranet site is best viewed in Internet Explorer Version 5.5 or later.
Click here for more information regarding supported browsers.

COUNTY OF ALAMEDA
Assessor's Office
Property Value System

Help
New Query

History | Value | Transfer | Map | Glossary

Parcel Number:4-19-4-1 Inactive:Y Lien Date:01/01/2013 Owner:MOODY ROBERT J & RUSTY L
Property Address: 1035 7TH ST, OAKLAND, CA 94607-2613
Parcel History

Mailing Name		Historical Mailing Address	Document Date	Document Number	Value From Trans Tax	Parcel Count	Use
MOODY ROBERT J & RUSTY L	List Owners	132 RUDGEAR DR , WALNUT CREEK, CA 94598-6316	07/08/1988	1988-166550		2	4100
MACIAS LEO & KAY & SCHROEDER HAROLD W & FAYE	List Owners	1035 7TH ST , OAKLAND, CA 94607-2613	11/21/1983	1983-218897		1	4100
CURRLIN GEORGE V & VELMA E TRS	List Owners	1035 7TH ST , OAKLAND, CA 94607-2613	05/04/1977	1977-85016		1	4100
CURRLIN GEORGE V	List Owners	1035 7TH ST , OAKLAND, CA 94607-2613	05/21/1974	1974-84418		1	4100
SNIDER CONSTRUCTION COMPANY	List Owners	1035 7TH ST , OAKLAND, CA 94607-2613	01/24/1974	1974-9131		3	4100

ATTACHMENT 3

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

INVITATION TO COMMENT – POTENTIAL CASE CLOSURE

VEND MART PROPERTY
1035 7th STREET, OAKLAND, CA
FUEL LEAK CASE RO0000036
GEOTRACKER GLOBAL ID T0600101646

October 16, 2014

The above referenced site is a fuel leak case that is under the regulatory oversight of the Alameda County Environmental Health (ACEH) Local Oversight Program for the investigation and cleanup of a release of petroleum hydrocarbons from an underground storage tank system. Site investigation and cleanup activities have been completed and the site has been evaluated in accordance with the State Water Resources Control Board Low-Threat Closure Policy. The site appears to meet all of the criteria in the Low-Threat Closure Policy. Therefore, ACEH is considering closure of the fuel leak case. *Due to the residual contamination on site, the site would be closed with site management requirements that require further evaluation if the site is to be redeveloped in the future.*

The public is invited to review and comment on the potential closure of the fuel leak case. This notice is being sent to the current occupants and landowners of the site and adjacent properties and other known interested parties. The entire case file can be viewed over the Internet on the ACEH website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Please send written comments to Mark Detterman at the address below; all comments will be forwarded to the responsible parties. Comments **received by December 20, 2014** will be considered and responded to prior to a final determination on the proposed case closure.

If you have comments or questions regarding this site, please contact the ACEH caseworker, Mark Detterman at 510-567-6876 or by email at mark.detterman@acgov.org. Please refer to ACEH case RO0000036 in any correspondence.

HARPER STEPHEN D & POWELL CINDY D TR
PARCEL #: 4-21-3-2
1091 MISSION CIR
FAIRFIELD CA 94534-7441

KDF CITY TOWERS LP
PARCEL #: 4-19-1-9
1301 DOVE ST #720
NEWPORT BEACH CA 92660-2470

MORH HOUSING ASSOCIATES
PARCEL #: 4-19-1-6
2211 MICHELSON DR #830
IRVINE CA 92612-0302

OAKLAND BUSINESS ASSOCIATION
PARCEL #: 4-19-3-3
3005 COOLIDGE AVE
OAKLAND CA 94602-2719

OCCUPANT
PARCEL #: 4-19-4-3
1035 7TH ST
OAKLAND CA 94607

OCCUPANT
PARCEL #: 4-19-5-4
1075 7TH ST
OAKLAND CA 94607

OCCUPANT
PARCEL #: 4-19-5-3
7TH ST
OAKLAND CA 94607

OCCUPANT
PARCEL #: 4-19-2-3
1009 7TH ST
OAKLAND CA 94607

OCCUPANT
PARCEL #: 4-19-3-3
1005 7TH ST
OAKLAND CA 94607

OCCUPANT
PARCEL #: 4-19-1-6
1039 8TH ST
OAKLAND CA 94607

OCCUPANT
PARCEL #: 4-19-1-9
1050 7TH ST
OAKLAND CA 94607

OCCUPANT
PARCEL #: 4-21-4
330 CHESTNUT ST
OAKLAND CA 94607

OCCUPANT
PARCEL #: 4-21-3-2
333 FILBERT ST
OAKLAND CA 94607

RED STAR INDUSTRIAL SERVICE
PARCEL #: 4-21-4
PO BOX 7891
BURBANK CA 91510-7891

SPRINT SPECTRUM LP 2722-1-7-POR1
PARCEL #: 4-19-5-4
4683 CHABOT DR #100
PLEASANTON CA 94588-3863

SPRINT SPECTRUM LP 2722-1-7-POR1
PARCEL #: 4-19-5-3
4683 CHABOT DR #100
PLEASANTON CA 94588-3863

WATSON VINITHA & DAVID TRS
PARCEL #: 4-19-4-3
5805 MENDOCINO AVE
OAKLAND CA 94618-1808

WONG JOE C & EMILY C TRS
PARCEL #: 4-19-2-3
4015 39TH AVE
OAKLAND CA 94619-2203

East Bay Municipal Utility District
Chandra Johannesson
P.O. Box 24055,
Oakland, CA 94623

cjohanne@ebmud.com

City Of Oakland Fire Department
Leroy Griffin
150 Frank H. Ogawa Plaza Suite 3341
Oakland CA 94612

lgriffin@oaklandnet.com

Cherie McCaulou
Engineering Geologist
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay St, Ste 1400
Oakland, CA 94612

cmccaulou@waterboards.co.gov

ATTACHMENT 4

GEOTRACKER | Regulator Tools | Reports | Other Tools | GAMA | Contact | Logout | Quick Sear

VEND MART PROPERTY (T0600101646) - MAP THIS SITE

PUBLIC PAGE

1035 7TH STREET
OAKLAND , CA 94607
ALAMEDA COUNTY
LUST CLEANUP SITE (INFO)
STATUS: OPEN - ELIGIBLE FOR CLOSURE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000036* - *MARK DETTERMAN*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-1778* - *Regional Water Board*

Activities Report | Documents / Data | Environmental Conditions | Admin | Funding | Case Reviews

THIS PROJECT WAS LAST MODIFIED BY *MARK DETTERMAN* ON 4/18/2018 4:08:38 PM - HISTORY

CLOSURE POLICY *THIS VERSION IS FINAL AS OF 4/18/2018* *CHECKLIST INITIATED ON 2/6/2013* CLOSURE POLICY HISTORY

General Criteria - *The site satisfies the policy general criteria* - CLEAR SECTION ANSWERS — YES

a. Is the unauthorized release located within the service area of a public water system?
Name of Water System : EBMUD — ◉ YES ○ NO

b. The unauthorized release consists only of petroleum (info). — ◉ YES ○ NO

c. The unauthorized ("primary") release from the UST system has been stopped. — ◉ YES ○ NO

d. Free product has been removed to the maximum extent practicable (info). — ◉ FP Not Encountered ○ YES ○ NO

e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed (info) — ◉ YES ○ NO

f. Secondary source has been removed to the extent practicable (info). — ◉ YES ○ NO

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15. — ○ Not Required ◉ YES ○ NO

h. Does a nuisance exist, as defined by Water Code section 13050. — ○ YES ◉ NO

1. Media-Specific Criteria: Groundwater - *The contaminant plume that exceeds water quality objectives is stable or decreasing in areal extent, and meets all of the additional characteristics of one of the five classes of sites listed below.* - CLEAR SECTION ANSWERS — YES

EXEMPTION - Soil Only Case (Release has not Affected Groundwater - Info) — ○ YES ◉ NO

Does the site meet any of the Groundwater specific criteria scenarios? — ◉ YES ○ NO

1.1 - The contaminant plume that exceeds water quality objectives is <100 feet in length. There is no free product. The nearest existing water supply well or surface water body is >250 feet from the defined plume boundary. — ◉ YES ○ NO

2. Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air - *The site is considered low-threat for the vapor-intrusion-to-air pathway if site-specific conditions satisfy items 2a, 2b, or 2c* - CLEAR SECTION ANSWERS — YES

EXEMPTION - Active Commercial Petroleum Fueling Facility — ○ YES ◉ NO

Does the site meet any of the Petroleum Vapor Intrusion to Indoor Air specific criteria scenarios? — ◉ YES ○ NO

2c - Petroleum Vapor Intrusion to Indoor Air - As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, the regulatory agency determines that petroleum vapors migrating from soil or groundwater will have no significant risk of adversely affecting human health. — ◉ YES ○ NO

3. Media Specific Criteria: Direct Contact and Outdoor Air Exposure - *The site is considered low-threat for direct contact and outdoor air exposure if it meets 1, 2, or 3 below.* - CLEAR SECTION ANSWERS — YES

EXEMPTION - The upper 10 feet of soil is free of petroleum contamination — ○ YES ◉ NO

Does the site meet any of the Direct Contact and Outdoor Air Exposure criteria scenarios? — ◉ YES ○ NO

3(c) - As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, the regulatory agency determines that the concentrations of petroleum constituents in soil will have no significant risk of adversely affecting human health. — ◉ YES ○ NO

Additional Information

This case should be kept OPEN in spite of meeting policy criteria. — ○ YES ◉ NO

Has this LTCP Checklist been updated for FY 17/18? — ◉ YES ○ NO

SPELL CHECK

Save Form as Partially Completed | Save Form as Complete

ATTACHMENT 5

Attachment 5: LTCP Media Specific Evaluation - Groundwater

LTCP MEDIASPECIFIC CRITERIA - GROUNDWATER					
Closure Scenario					
☐ Exemption - Site has not affected groundwater; ☒ Scenario 1 – Short stabilized contaminant plume; ☒ Scenario 2, ☐ Scenario 3 – Moderate stabilized contaminant plumes; ☒ Scenario 4 – Long stabilized contaminant plumes; ☐ Scenario 5 – Site specific conditions demonstrate that the contaminant plume poses a low threat to the human health and the environment					
Evaluation Criteria					
Key: Shading = site specific data; ☒ = type of data or criteria met; hatched box indicates no criteria					
Element Evaluated	**Site Specific Data**	**Short Plume Scenario**	**Moderate Plume Scenario**		**Long Plume Scenario**
		☒ 1	☐ 2	☐ 3	☒ 4
Plume Length (feet)	☒ <100 ☐ <250 ☐ <1,000 ☐ ≥1,000	☒ <100	☒ <250	☒ <250	☒ <1,000
Free Product	☒ No FP ☐ FP Onsite ☐ FP Offsite ☐ Removed to Max Extent	☒ No FP	☒ No FP	☐ Removed to max extent onsite; ☐ Does not extend offsite	☒ No FP
Plume Stability	☒ Stable ☒ Decreasing ☐ ≥5 Years	☒ Stable or decreasing	☒ Stable or decreasing	☐ Stable or decreasing for ≥ 5 years	☒ Stable or decreasing
Distance to Nearest Water Supply Well from Plume Boundary (feet)	☐ <250 ☐ >250 ☒ >1,000	☒ >250	☒ >1,000	☒ >1,000	☒ >1,000
Distance to Nearest Surface Water Body from Plume Boundary (feet)	☐ >250 ☒ >1,000	☒ >250	☒ >1,000	☒ >1,000	☒ >1,000
Maximum Benzene Concentrations (µg/l)	Historic Max: 1.9 Current Max: 1.9		☒ <3,000		☒ <1,000
Maximum MTBE Concentrations (µg/l)	Historic Max: <4.0 Current Max: <4.0		☒ <1,000		☒ <1,000
Property Owner Willing to Accept a Land Use Restriction	Not Required			☐ Yes	

Attachment 5: LTCP Media Specific Evaluation - Groundwater

LTCP MEDIA SPECIFIC CRITERIA - GROUNDWATER (CONTINUED)	
Element	**Analysis**
Plume Length	The length of the petroleum hydrocarbon plume is adequately defined by the groundwater monitoring well (MW-1), located approximately four feet from the former UST location.
Free Product	No observations of free product have been recorded in soil borings or in the groundwater monitoring well.
Plume Stability	Groundwater monitoring data indicates the dissolved phase groundwater plume concentrations are decreasing or stable. TPHg and benzene were detected in soil from the well borehole at concentrations of 49 mg/kg and 0.21 mg/kg respectively. The groundwater sample contained 150 µg/L TPHg and 34 µg/L benzene. Plume stability is based on two subsequent groundwater monitoring events conducted in June 1992 and August 2006. Groundwater concentrations of TPHg declined from 150 µg/L to <50 µg/L and 57 µg/L, and benzene concentrations delined to <0.5 µg/L and 1.9 µg/L, respectively in those sampling events.
Water Supply Wells	A search of the GeoTracker Groundwater Ambient Monitoring Assessment (GAMA) database was conducted and indicated that the closest water supply wells or irrigation wells is located at a distance of greater than 2,100 feet from the plume boundary.
Surface Water Bodies	The Oakland Estuary is located at a distance of approximately 2,565 feet down- to crossgradient from the plume boundary.

ATTACHMENT 6

Attachment 6: LTCP Media Specific Evaluation - Vapor Intrusion

LTCP MEDIA SPECIFIC CRITERIA - VAPOR INTRUSION TO INDOOR AIR

Closure Scenario

☐ Exemption - Active fueling station exempt from vapor specific criteria;
☐ Scenario 1 – Unweathered free phase LNAPL on groundwater; ☐ Scenario 2 – Unweathered residual LNAPL in soil;
☐ Scenario 3a, ☐ Scenario 3b, ☐ Scenario 3c – Dissolved phase benzene concentrations in groundwater;
☐ Scenario 4a - Soil vapor concentrations without bioattenuation zone;
☐ Scenario 4b - Soil vapor concentrations with bioattenuation zone;
☒ Site specific risk assessment demonstrates human health is protected;
☐ Exposure controlled through use of mitigation measures or institutional or engineering controls

Evaluation Criteria.

Key: Shading = site specific data; ☒ = type of data or criteria met; hatched box indicates no criteria

Element Evaluated	Site Specific Data	High Conc Source Scenarios	Low Conc Source Scenarios			Soil Vapor Scenarios	
		Unweathered NAPL	Dissolved Phase Benzene in Groundwater				
		☐ 1 or ☐ 2	☐ 3a	☐ 3b	☐ 3c	☐ 4a	☐ 4b
Groundwater ☐ **Water Table (WT)** ☐ **Semi - Confined (SC)** ☐ **Confined (C)**	Highest Historic Water Level (ft bgs): 11.59 ☒ WT; ☐ SC; ☐ C						
	Max Current Benzene Concentration (µg/L): <1.9	☐ ≥3,000	☒ <100	☐ ≥100 & <1,000	☒ <1,000		
NAPL ☒ **Weathered (W)** ☐ **Unweathered (UW)**	☐ No NAPL ☒ NAPL (Residual) in Soil ☐ NAPL (Free Phase) on Groundwater	☐ UW in Soil; or ☐ UW on GW	☐ No UW in Soil or GW				
Foundations ☒ **Existing** ☐ **Proposed** ☐ **None**	Type: Slab on Grade Depth: Grade Surface						
Bioattenuation Zone Beneath: ☒ **Existing Foundations** ☐ **Existing Grade**	Thickness (ft): ☐ <5; ☐ ≥5; ☐ ≥10; ☐ ≥30 ☒ Unknown	☐ ≥30	☐ ≥5	☐ ≥10	☐ ≥5	☐ <5; or ☐ ≥100; or ☐< 4	☐ ≥ 5
	TPHg+d Conc (mg/kg): < 100 ☒ Unknown	☒ <100	☐ <100	☐ <100	☐ <100		☐ <100 (at 2 depths)
	Oxygen Conc (%): ☐ <4; ☐ ≥4; ☒ No data		☒ No data or ☐ <4	☒ No data or ☐ <4	☐ ≥4		☐ ≥4 (at bottom)
Soil Vapor (Current Conditions) ☐ **Soil Vapor** ☐ **Subslab Vapor** ☒ **No Samples Collected**	Sample Depth (ft bgs):					☐ ≥5	☐ ≥5
	Benz Conc (µg/m³):					☐ R< 85 ☐ C<280	☐ C<85K ☐ C<280K
	Ethylb Conc (µg/m³):					☐ R<1,100 ☐ C<3,600	☐ R<1,100K ☐ C<3,600K
	Napht Conc (µg/m³):					☐ R<93 ☐ R<310	☐ R<93K ☐ C<310K

Attachment 6: LTCP Media Specific Evaluation - Vapor Intrusion

LTCP MEDIA SPECIFIC CRITERIA - VAPOR INTRUSION TO INDOOR AIR (CONTINUED)	
Location	**Analysis**
Onsite	Due to the low concentrations of volatile organic compounds in soil and groundwater and the short plume length (less than 100 feet), ACDEH has made the determination that there is low potential for vapor intrusion to indoor air to the on-site building under the current configuration of the site. The onsite building is located approximately 15 feet upgradient of the former location of the tank. Benzene was detected at a concentration of 11 mg/kg at the bottom of the tank pit. However, TPHg and benzene were detected in soil from well MW-1, located approximately four feet downgradient of the former UST location, at concentrations of 49 mg/kg and 0.21 mg/kg respectively. The groundwater sample contained 150 µg/L TPHg and 34 µg/L benzene. Current contaminant mass in soil appears to be limited based on the stability of the groundwater plume during two subsequent groundwater monitoring events conducted in June 1992 and August 2006. Groundwater concentrations of TPHg declined from 150 µg/L to <50 µg/L and 57 µg/L, and benzene concentrations delined to <0.5 µg/L and 1.9 µg/L, respectively in those sampling events.
Offsite	Due to the low concentrations of volatile organic compounds in soil groundwater and the short plume length (less than 100 feet), ACDEH has made the determination that there is low potential for vapor intrusion to indoor air to off-site adjacent properties. The immediately downgradient property is owned by the State of California as a portion of the elevated Cypress Structure for Interstate 880 Freeway. Commercial properties downgradient of the I-880 corridor are at an approximate distance of 400 feet from the former UST location.

ATTACHMENT 7

Attachment 7 – Direct Contact Evaluation and Data

LTCP MEDIA SPECIFIC CRITERIA - DIRECT CONTACT AND OUTDOOR AIR EXPOSURE

Closure Scenario

☐ Exemption (no petroleum hydrocarbons in upper 10 feet);
☐ Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below;
☐ Maximum concentrations of petroleum constituents are less than levels that a site specific risk assessment demonstrates will have no significant risk of adversely affecting human health;
☐ Concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls;
☒ This case should be closed in spite of not meeting the direct contact and outdoor air specific media criteria.

Evaluation Criteria

Green shading is site specific data; checked box indicates type of date or criteria met; hatched box indicates no criteria

Constituent (LTCP Criteria & Site Maximum)		Residential		Commercial/Industrial		All Scenarios
		☐ Direct Contact	☐ Volatilization to Outdoor Air	☐ Direct Contact	☐ Volatilization to Outdoor Air	☐ Construction or Utility Worker
		0 to 5 ft bgs (mg/kg)	5 to 10 ft bgs (mg/kg)	0 to 5 ft bgs (mg/kg)	5 to 10 ft bgs (mg/kg)	0 to 10 ft bgs (mg/kg)
Analysis Required For All Tanks						
Benzene	Site Max	No Data	No Data	No Data	No Data	No Data
	LTCP Criteria	☐ ≤1.9	☐ ≤2.8	☐ ≤8.2	☐ ≤12	☐ ≤14
Ethylbenzene	Site Max	No Data	No Data	No Data	No Data	No Data
	LTCP Criteria	☐ ≤21	☐ ≤32	☐ ≤89	☐ ≤134	☐ ≤314
Naphthalene	Site Max	No Data	No Data	No Data	No Data	No Data
	LTCP Criteria	☐ ≤9.7	☐ ≤9.7	☐ ≤45	☐ ≤45	☐ ≤219
Analysis Required For Tanks with Waste Oil, Bunker C Fuel or Unknown Contents						
PAHs[1]	Site Max	NR	NR	NR	NR	NR
	LTCP Criteria	☐ ≤0.063		☐ ≤0.68		☐ ≤4.5

NR = Not Required NA = Not Analyzed

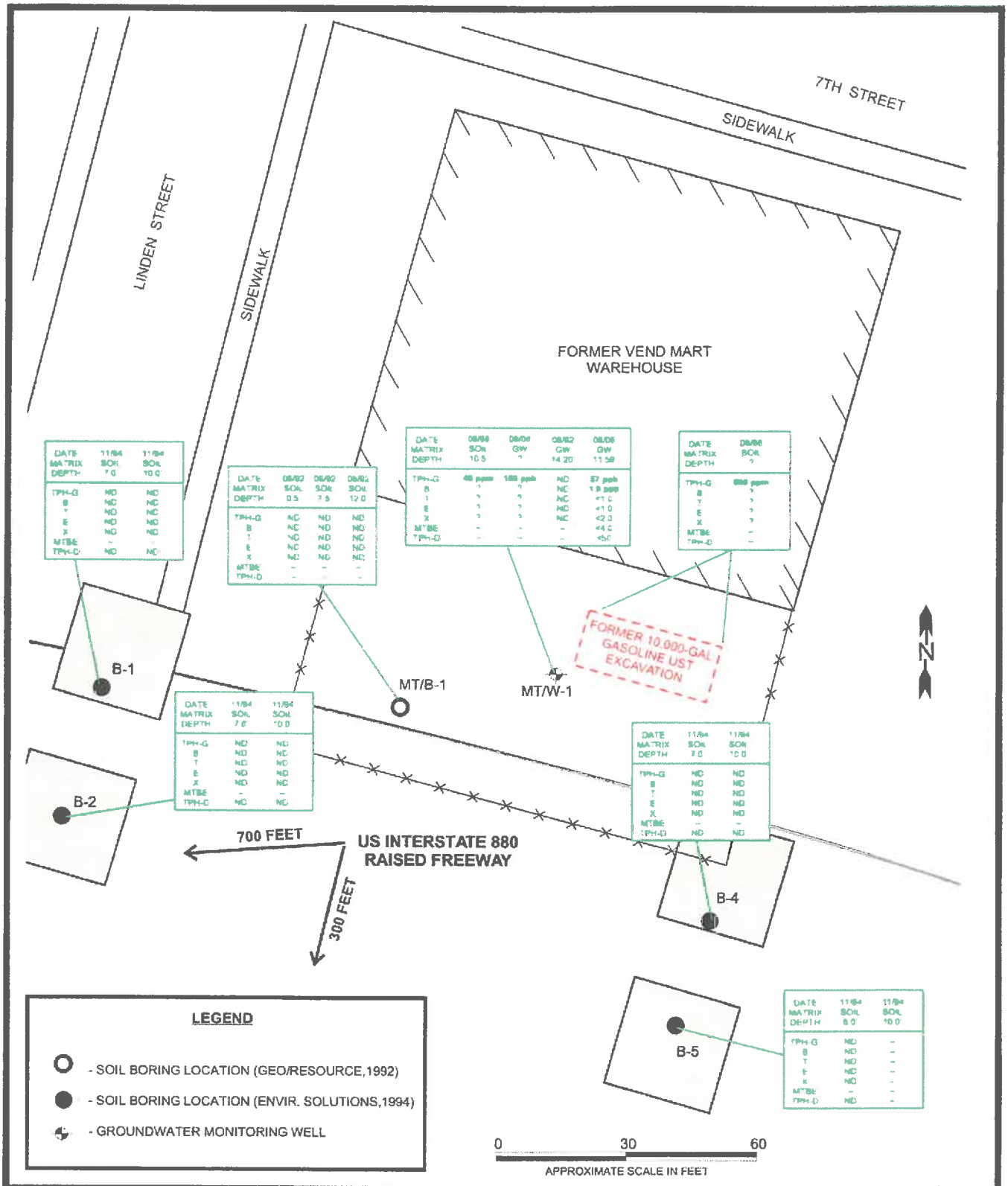
Notes:

1. Based on the seven carcinogenic poly-aromatic hydrocarbons (PAHs) as benzo(a)pyrene toxicity equivalent (BaPe).
2. The area of impacted soil where a particular exposure occurs is ≤ 82 by 82 feet

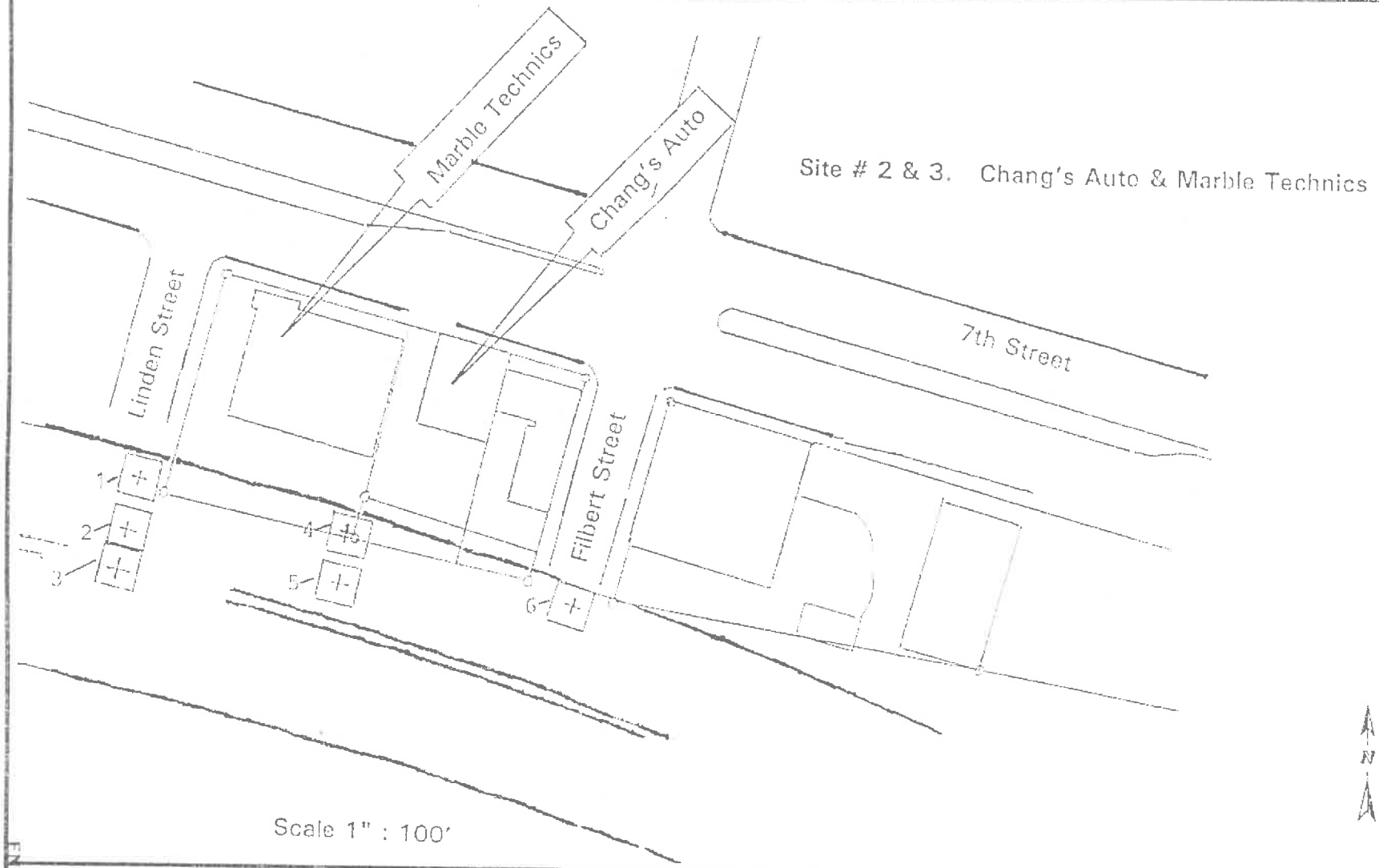
Attachment 7 – Direct Contact Evaluation and Data

LTCP MEDIA SPECIFIC CRITERIA – DIRECT CONTACT AND OUTDOOR AIR EXPOSURE (CONTINUED)	
Location	**Analysis**
Onsite	Tank backfill is reported to consist of soil excavated from the tank pit with concentrations of less than 100 milligrams per kilogram TPHg. No data is contained in the case file for benzene, ehtylbenzene and naphthalene for the excavated soil used as backfill. However, descriptions of the tank removal activities document a TPHg concentration of 680 mg/kg and 11 mg/kg benzene at the base of the tank excavation at an approximate depth of greater than 11 feet bgs. This data indicates that the release from the tank likely impacted deeper soil in this area. Additonal soil would have been required to fill the void occupied by the tank in the pit. It was common practice that a tank pit first be backfilled with excavated soil and then imported soil placed above to grade surface. Based on the data in the case file documenting the tank removal activities, coupled with the data from soil and groundwater samples collected both on and offsite in the vicinity of the the former tank pit that show non-detectable concentrations of BTEX, ACDEH has made the determination that there is low potential for direct contact with soil at the site with concentrations above Table 1 criteria.
Offsite	Petroleum hydrocarbon soil impacts (including benzene and ethylbenzene) were not detected in soil samples collected from downgradient soil bores MT/B-1 (onsite), and four offsite soil bores B-1, B-2, B-3, and B-4.

ATTACHMENT 8



DESIGNED BY:	CHECKED BY:	**SOIL & GROUNDWATER HYDROCARBON RESULTS**	DATE: 09/14/06	FIGURE: 3
DRAWN BY: JG	SCALE:	1035 7TH STREET OAKLAND, CALIFORNIA	GRIBI	
PROJECT NO: 302-02-01				



Explanation

Proposed Footing Location

Proposed Boring Location

Date: 9/28/1994 | Drafting: JWA | Approval: CMM

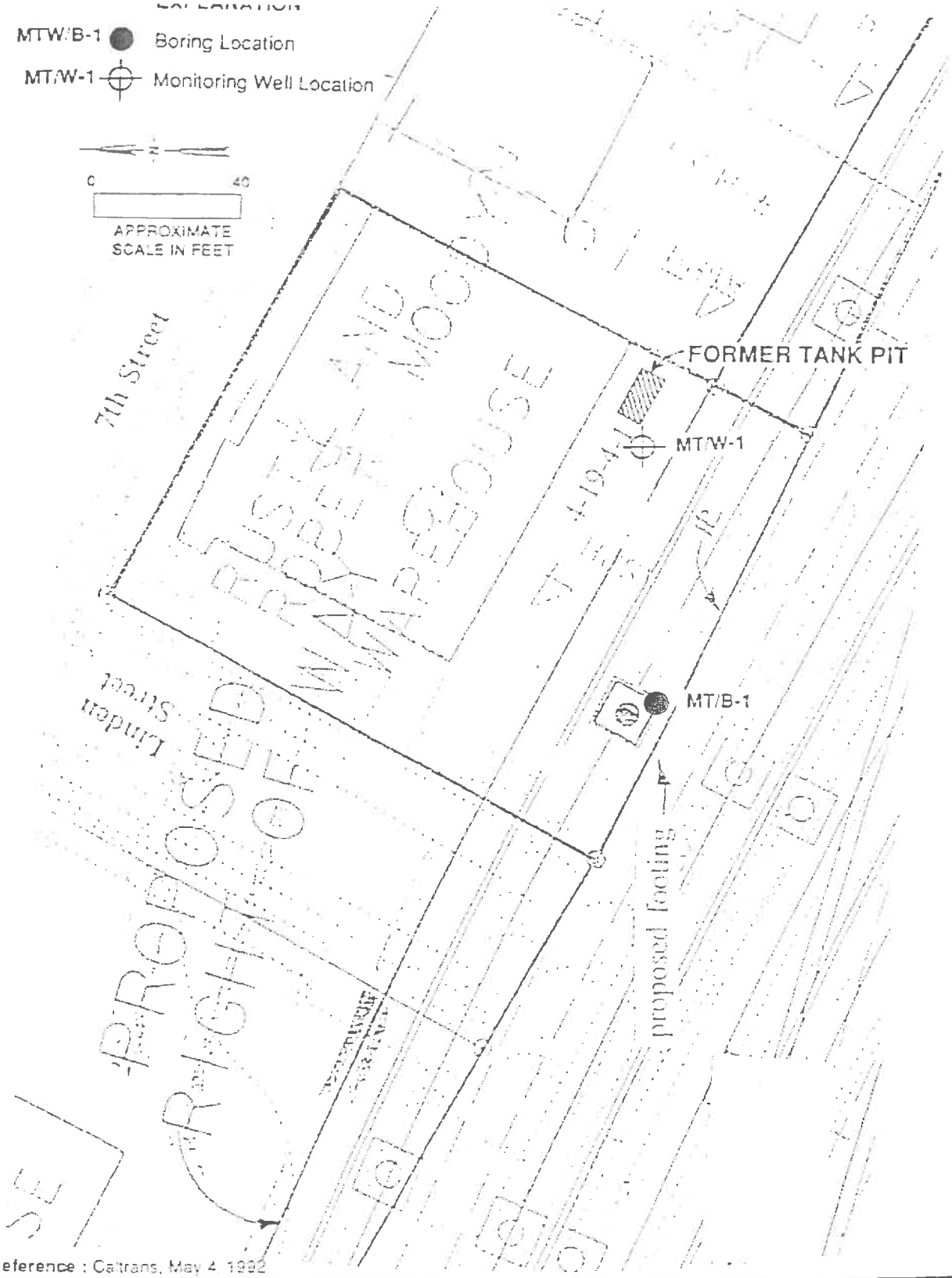
BORING LOCATION MAP

Report of Findings
Second Site Group:
Chang's Automotive and Marble Technics West
Cypress Reconstruction
Oakland, CA

94-911

Figure 2

ENVIRONMENTAL SOLUTIONS



Reference : Caltrans, May 4, 1992

Geo/ Resource Consultants, Inc. GEOLOGISTS / ENGINEERS / ENVIRONMENTAL SCIENTISTS 505 BEACH STREET, SAN FRANCISCO, CALIFORNIA 94133	SITE PLAN - AREA 3 MARBLE TECHNICS WEST - PARCEL No.3 D.O.T. - INTERSTATE 880 CYPRESS STRUCTURE RECONSTRUCTION OAKLAND, CALIFORNIA	FIGURE 4
Job No. 1689-019-00 Appr. _____ Date 7/20/92		

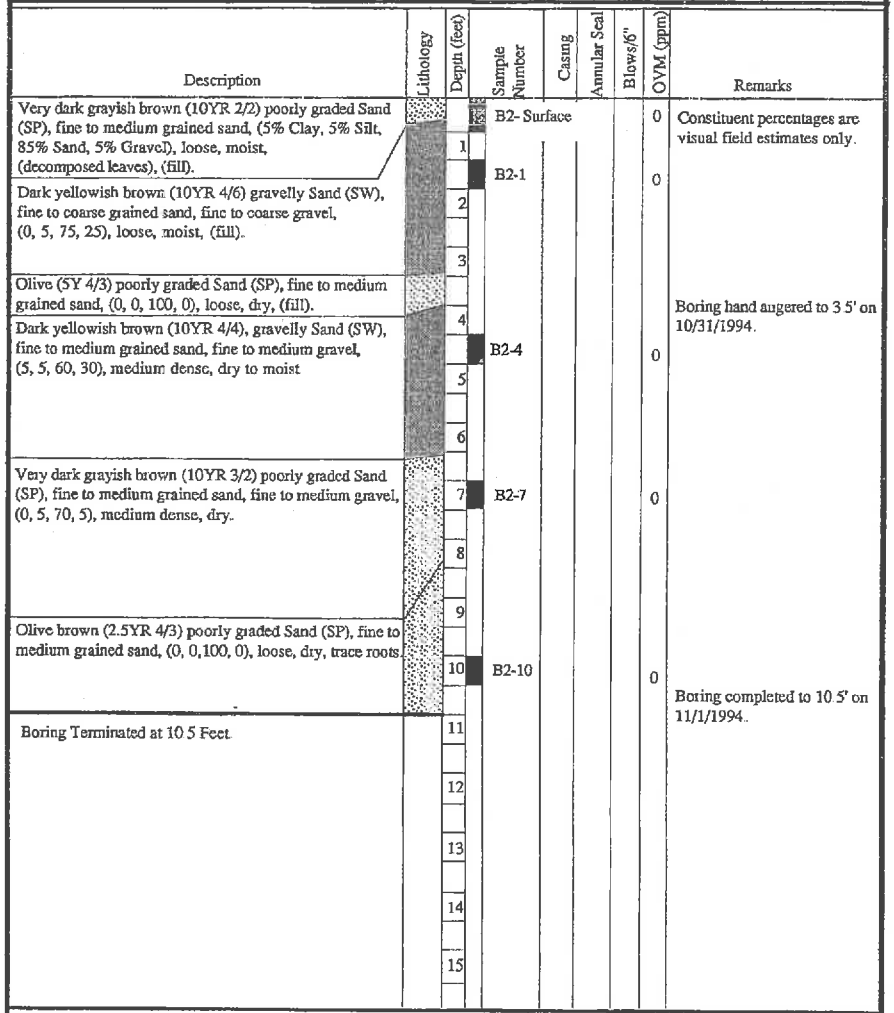
ATTACHMENT 9

Project Name: Caltrans- Chang's ...omotive and Marble Technics West		Date: 10/31/1994	Boring Number: B1
Project No: 94-911	Borehole Depth: 10.5 feet		Surface Completion: Neat Cement
Drilling Co: Precision Sampling, Inc.	Well Depth: N/A		Surface Elevation: N/A
Drilling Equip: Hand Auger /DA-1	Water Elev.: N/A		Logged By: TWA
Sampler Type: Hand Sampler/ Enviro Core	Casing Elevation: N/A		Checked By: CMM

Description	Lithology	Depth (feet)	Sample Number	Casing	Annular Seal	Blows/6"	OVM (ppm)	Remarks
Very dark brown (10YR 2/2) poorly graded Sand (SP), fine to medium grained sand, (0% Clay, 5% Silt, 90% Sand, 5% Gravel), loose, moist, (decomposed leaves), (fill).		0	B1- Surface				0	Constituent percentages are visual field estimates only.
Dark yellowish brown (10YR 4/6) gravelly Sand (SW), fine to coarse grained sand, fine to coarse gravel, (0, 5, 75, 20), loose, dry to moist, (fill).		1	B1-1				0	
		2						
		3						
Olive (5Y 4/3) poorly graded Sand (SP), fine to medium grained sand, (0, 0, 100, 0), loose, dry to moist, trace roots, (fill).		4	B1-4				0	
		5						Boring hand augered to 5 5' on 10/31/1994.
		6						
At 6.5 feet, color change to dark yellowish brown (10YR 4/4), dry, trace gravel.		7	B1-7				0	
		8						
Dark yellowish brown (10YR 4/4) silty Sand (SM), fine grained sand, (0, 30, 70, 0), medium dense, dry.		9						
Dark yellowish brown (10YR 3/4) poorly graded Sand (SP), fine to medium grained sand, (0, 0,100, 0), medium dense, moist.		10	B1-10				0	Boring completed to 10.5' on 11/1/1994 using DA-1.
Boring Terminated at 10.5 Feet.		11						
		12						
		13						
		14						
		15						

Environmental Solutions, Inc. | Figure No. A-1

Project Name: Caltrans- Chang's Automotive and Marble Technics West	Date: 10/31/1994	Boring Number: B2
Project No: 94-911	Borehole Depth: 10.5 feet	Surface Completion: Neat Cement
Drilling Co: Precision Sampling, Inc.	Well Depth: N/A	Surface Elevation: N/A
Drilling Equip: Hand Auger /DA-1	Water Elev.: N/A	Logged By: JWA
Sampler Type: Hand Sampler /Enviro Core	Casing Elevation: N/A	Checked By: CMM



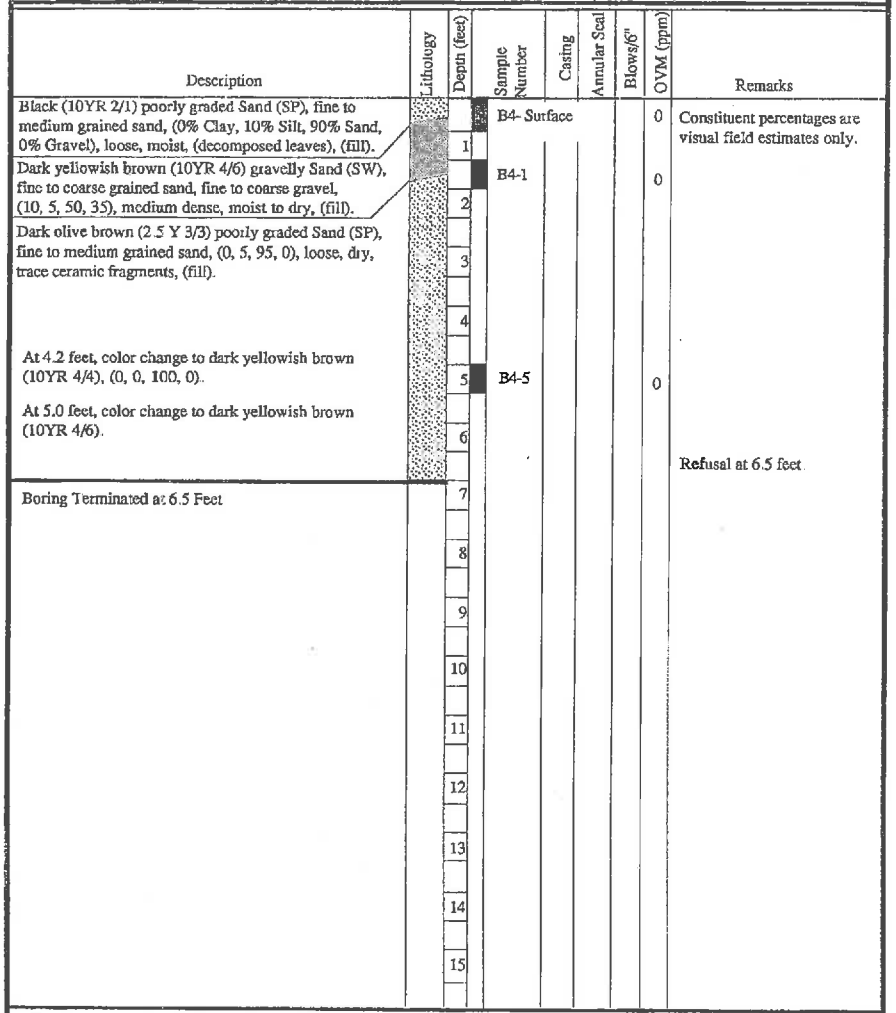
Environmental Solutions, Inc. | Figure No. A-2

Project Name: Caltrans- Chang's Automotive and Marble Technics West	Date: 10/31/1994	Boring Number: B3
Project No: 94-911	Borehole Depth: 11.0 feet	Surface Completion: Neat Cement.
Drilling Co: Precision Sampling, Inc.	Well Depth: N/A	Surface Elevation: N/A
Drilling Equip: Hand Auger /XD-2	Water Elev.: N/A	Logged By: JWA
Sampler Type: Hand Sampler/Enviro Core	Casing Elevation: N/A	Checked By: CMM

Description	Depth (feet)	Sample Number	OVM (ppm)	Remarks
Dark yellowish brown (10YR 4/3) gravelly Sand (SW), fine to coarse grained sand, fine to coarse gravel, (0% Clay, 5% Silt, 60% Sand, 35% Gravel), loose, dry, (fill).	0	B3- Surface	0	Constituent percentages are visual field estimates only.
	1	B3-1	0	
Olive (5Y 4/3) poorly graded Sand (SP), fine to medium grained sand, (0, 0, 100, 0), loose, dry, (fill).	2			Boring hand augered to 2.0' on 10/31/1994.
Dark yellowish brown (10YR 4/3) gravelly Sand (SW), fine to coarse grained sand, fine to coarse gravel, (0, 5, 60, 35), loose, dry, (fill).	3			
	4			
Dark olive brown (2.5Y 3/3) poorly graded Sand (SP), fine to medium grained sand, (0, 0, 100, 0), loose, dry, (fill).	5	B3-4		
Dark yellowish brown (10YR 3/4) gravelly Sand (SW), fine to medium grained sand, fine to coarse gravel, (5, 5, 70, 20), medium dense, moist.	6			
	7	B3-7		
	8			
	9			
	10			
	10	B3-10		
	11			Boring completed to 11.0' on 11/8/1994.
Boring terminated at 11.0 feet.	12			
	13			
	14			
	15			

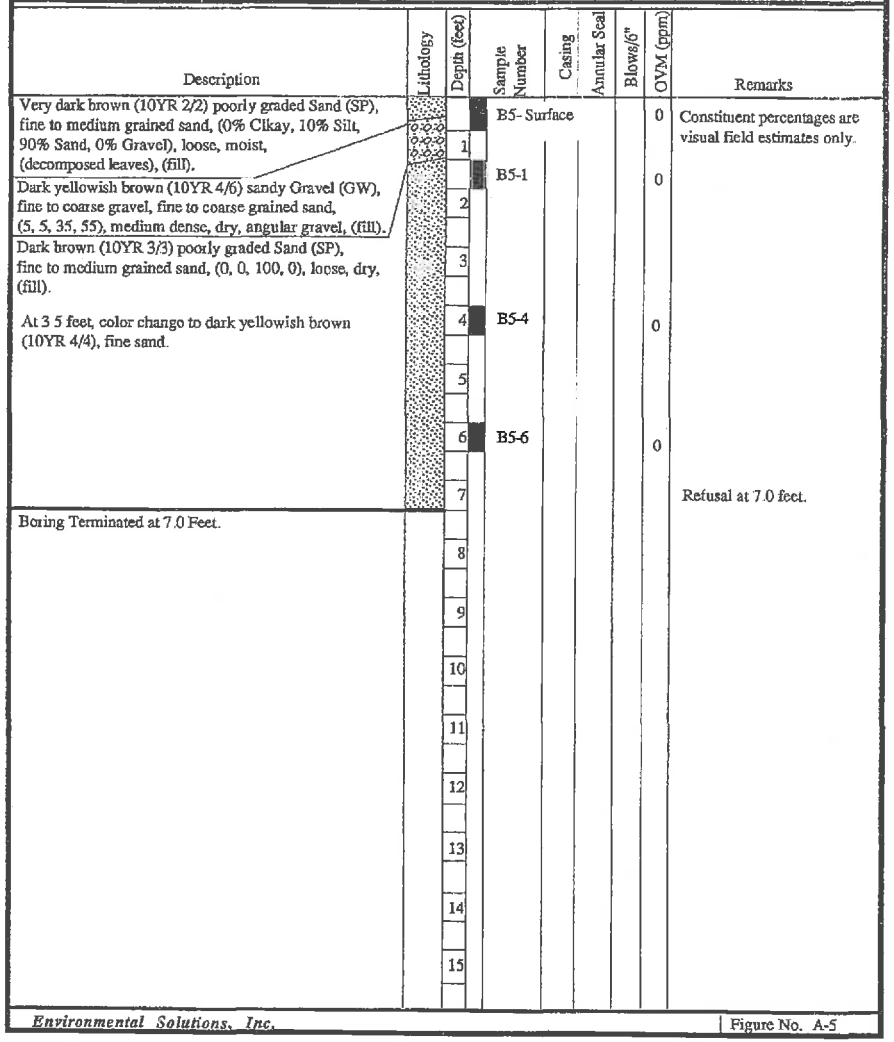
Environmental Solutions, Inc. | Figure No. A-3

Project Name: Caltrans- Chang's Automotive and Marble Technics West	Date: 11/1/1994	Boring Number: B4
Project No: 94-911	Borehole Depth: 6.5 feet	Surface Completion: Neat Cement
Drilling Co: Precision Sampling, Inc.	Well Depth: N/A	Surface Elevation: N/A
Drilling Equip: DA-1	Water Elev.: N/A	Logged By: JWA
Sampler Type: Split Barrel/ Enviro Core	Casing Elevation: N/A	Checked By: CMM



Environmental Solutions, Inc. | Figure No. A-4

Project Name: Caltrans- Chang's ... omotive and Marble Technics West	Date: 1../1994	Boring Number: B5
Project No: 94-911	Borehole Depth: 7.0 feet	Surface Completion: Neat Cement
Drilling Co: Precision Sampling, Inc.	Well Depth: N/A	Surface Elevation: N/A
Drilling Equip: DA-1	Water Elev.: N/A	Logged By: JWA
Sampler Type: Split Barrel/ Enviro Core	Casing Elevation: N/A	Checked By: CMM



Environmental Solutions, Inc. | Figure No. A-5

ATTACHMENT 10

Table 1
SUMMARY OF GROUNDWATER LABORATORY ANALYTICAL RESULTS
Former Vend Mart UST Site

Sample ID	*Sample Date*	*GW Depth*	*Concentration, micrograms per liter (ug/l, or ppb)*						
			TPH-D	*TPH-G*	*B*	*T*	*E*	*X*	*MTBE*
MW-1	06/92	14.20 ft	--	ND	ND	ND	ND	ND	--
	08/16/06	11.59 ft	<50.0	**57**	**1.9**	<1.0	<1.0	<2.0	<4.0
Groundwater ESL-Commercial			**2,500**	**5,000**	**540**	**380,000**	**170,000**	**160,000**	**24,000**

TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl-t-Butyl Ether
ND = Not detected
<50.0 = Not detected above the expressed value.
1 = No detectable concentrations of 54 individual VOC constituents.
– = Not analyzed for this analyte.
ESL = Groundwater Environmental Screening Levels (commercial land use, groundwater is not a current or potential drinking water resource), as contained in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, San Francisco Bay Regional Water Quality Control Board, Interim Final, February 2005. Groundwater ESLs for TPH-G/TPH-D are for gross contamination ceiling values (Appendix 1, Table I-2); for all other constituents, groundwater ESLs are for potential vapor intrusion concerns (Appendix 1, Tables E-1a).

EVALUATION OF RESULTS AND REQUEST FOR REGULATORY SITE CLOSURE

Although investigative data for this site has apparently been lost from regulatory files over time and is somewhat lacking, we believe that there is sufficient site data to warrant regulatory closure of this site. This belief is based on the following conclusions relative to site environmental conditions:

- **Soil hydrocarbon impacts from the former site UST are relatively minor, are limited to the area immediately surrounding the former UST, and do not extend offsite.** One soil sample collected following removal of the UST showed 680 mg/kg of TPH-G, and a stockpile soil sample showed less than 100 mg/kg of TPH-G. A soil sample collected at 10.5 feet in depth in well boring MW-1, located about 4 feet west-southwest from the former UST excavation showed only 49 mg/kg of TPH-G. A soil sample collected at about 12 feet in depth in boring MT/B-1, located about 40 feet west-southwest from the former UST excavation cavity, showed no detectable concentrations of hydrocarbon constituents. A soil sample collected at about 10 feet in depth in Caltrans boring B-4, located about 50 feet south from the former UST cavity, showed no detectable concentrations of hydrocarbon constituents.

- **Groundwater hydrocarbon impacts from the former site UST are relatively minor, are limited to the area immediately surrounding the former UST, and do not extend offsite.** Following installation in August 1988, groundwater in well MW-1, located about 4 feet west-southwest from the former UST excavation, showed only 150 ug/l of TPH-G. In June 1992, groundwater in well MW-1 showed no detectable concentrations of

2.2 CHANG'S AUTOMOTIVE

On June 24, 1991, one soil boring (CA/H-1) was drilled using a drill rig equipped with 8-inch-diameter, hollow-stem augers. The boring was situated at a proposed footing location for the Caltran's expressway. The location of the boring is shown in Figure 3. Boring CA/H-1, was terminated at a depth of 20.0 feet bgs. Field soil samples were collected at ground surface, 4, 7, and 12 feet bgs. Specific sampling locations are depicted in the Lithologic Logs included in Appendix B.

One ground-water sample was collected from a depth of approximately 20 feet using the "Hydropunch" technique.

Upon completion of the soil and ground-water sampling, the borings were backfilled with cement grout and the cuttings were disposed of in 55-gallon U.S. DOT approved drums.

2.3 MARBLE TECHNICS WEST

On June 22, one soil borings (MT/B-1) was drilled using a drill rig equipped with 8-inch-diameter, hollow-stem augers. The boring was located at a proposed footing for the Caltran's expressway, close to the former underground fuel storage tank location. The location of the boring is shown in Figure 4. Boring MT/B-1 was terminated at 15 feet bgs. Field soil samples were collected at 0.5, 3, 7, 10, 11.5, and 13.5 feet bgs in boring MT/B-1 (See Appendix B).

One ground-water sample was collected from boring MT/B-1 at a depth of approximately 15 feet bgs using the grab sampling technique.

Upon completion of the soil and ground-water sampling, boring MT/B-1 was backfilled with cement grout and the cuttings were disposed of in 55-gallon U.S. DOT approved drums.

Ground Water

The ground-water sample collected from the pre-existing monitoring well at Marble Technics did not contain TPH-G or BTXE compounds above laboratory detection limits.

Marble Technics West
1035 7th Street
Oakland, CA 94607

Owner: Robert and Rusty Moody

R/W take: Part - 4000 sq ft. **Cost:** $6,600

Active case for Alameda County under <u>VendMart</u>. Leaking 10,000 gallon gasoline tank removed 1988, sample below tank 680 ppm TPH, soil pile tested less than 100 ppm so placed back in ground. Later in August 1988, 3 borings were drilled, one converted into a monitoring well. 10.5 feet below surface tested 49 ppm TPH. Groundwater tested 150 ppb. Quarterly monitoring reports are required. Susan Hugo is temporarily covering the case at Alameda County (510-271-4320).

Mr. Tom Peacock (formerly on the case) (1/7/92) said that they have just identified the Responsible Party and have sent a letter telling them to pay for oversight. Nothing else has been done. The RP is Wayne Delzell Corp., 2434 Chestnut Street, Oakland.

History:

1935 - Gas and Oil

1951 - Gas and Oil

1975 - Drug Service Inc, Snider Construction

1981 - Drug Service Inc.

1985 - Coffee Service, VendMart

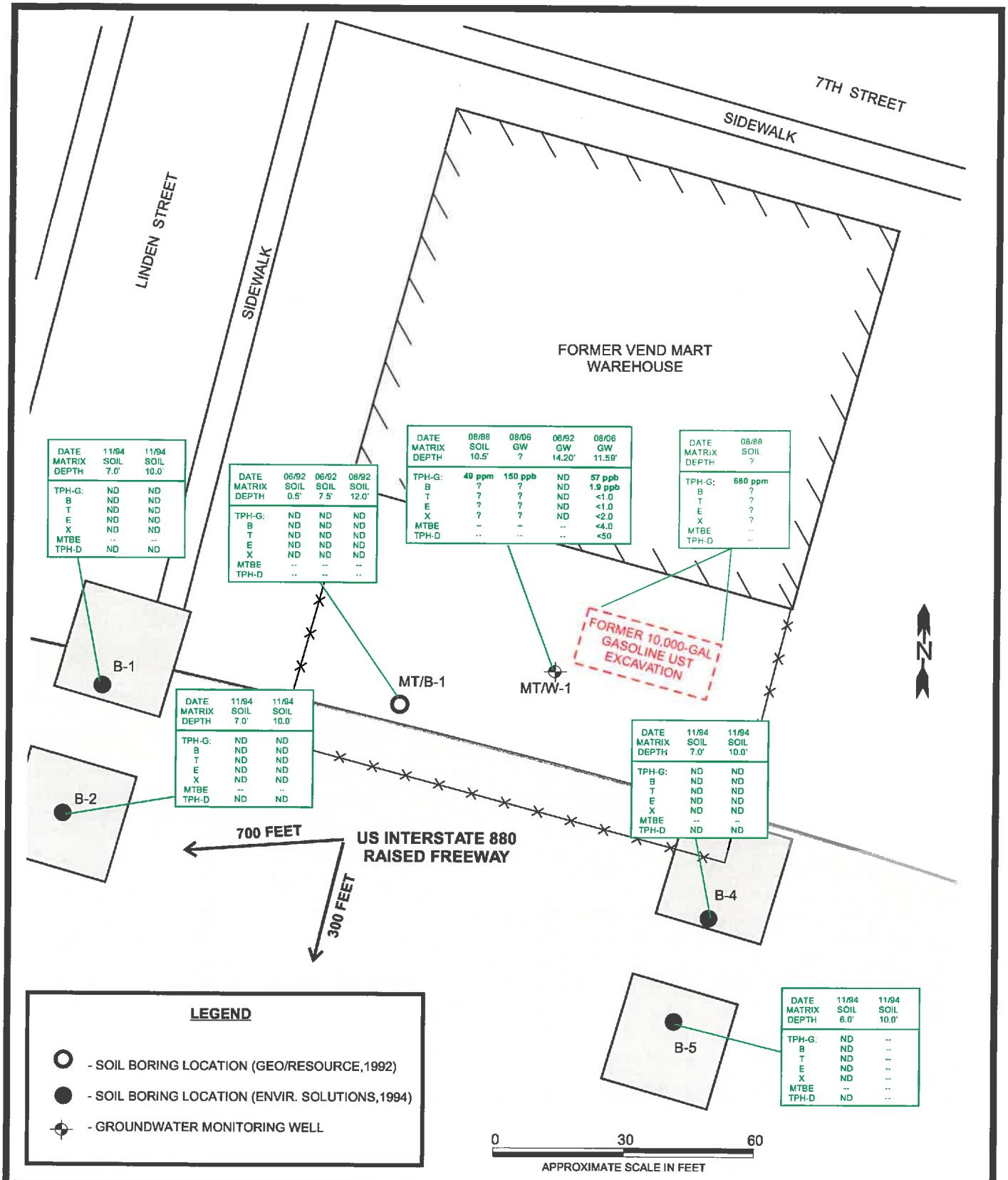
would require [illegible]
for Caltrans to do [illegible]
is [illegible] clean up [illegible]
if we handle excavated
soil [illegible]
costs for contaminated
soil.

2.2 GEOLOGIC CONDITIONS AND THE OCCURRENCE OF GROUNDWATER

1. Logs of borings drilled by Geo/Resource on Chang's Automotive and Marble Technics West properties are presented in Appendix A. On the basis of work performed by Geo/Resource, Chang's Automotive is expected to be underlain by silty sand with clay to a depth of approximately 3.5 feet and is thought to be fill material. The Merritt Sand Formation was encountered from 3.5 feet below ground surface (bgs) to the bottom of the boring at 20 feet. Saturated soils were encountered at a depth of 12 feet although a static water level was not measured in the boring. At Marble Technics West, a very dense, light brown, fine-grained gravelly silty sand is present from the ground surface to the bottom of the boring at 15 feet. Some gray clay was observed at 13.5 feet bgs. Saturated soils were encountered at a depth of 13 feet but no static water level was measured in the boring. On July 6, 1992, a water level of 14.2 feet bgs was measured in the monitoring well located at the site.

DRAFT

ATTACHMENT 11



DESIGNED BY:	CHECKED BY:	**SOIL & GROUNDWATER HYDROCARBON RESULTS** 1035 7TH STREET OAKLAND, CALIFORNIA	DATE: 09/14/06	FIGURE: 3
DRAWN BY: JG	SCALE:			
PROJECT NO: 302-02-01				

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

R036

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR
DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

Certified Mailer # P 367 604 551
April 1, 1993
STID 3621

Robert & Rusty Moody
132 Rudgear Dr.
Walnut Creek CA 94596

RE: Vend Mart Property
1035-7th St.
Oakland CA 94607

Dear Mr. & Mrs. Moody,

As you are probably aware, a 10,000-gallon gasoline underground storage tank (UST) was removed by Dalzell Corporation from the above referenced site on 6/15/88. Soil sampled from beneath the UST contained up to 680 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPH-g) and 11 ppm benzene. Due to these levels of contamination, we requested a proposal for a subsurface investigation by letter dated 6/30/88. A proposal dated 8/1/88 was prepared by Erickson Inc. and submitted to Dalzell Corporation; a copy can be found in our files. This proposal involved at least one groundwater monitoring well.

Our files include a "Report, Subsurface Hydrocarbon Investigation," prepared by Erickson Inc., dated 10/17/88. This report documents the installation of a groundwater monitoring well in August 1988. TPH-g and benzene were detected in soil from the well borehole (49 ppm and 0.21 ppm, respectively). The groundwater sample contained 150 parts per billion (ppb) TPH-g and 34 ppb benzene.

This case remains open due to the existing levels of contamination, as per the last sampling event. Case closure is recommended by this office when, among other things, groundwater is shown to be free of contamination for at least four consecutive quarters.

The Alameda County Assessor's office lists you as the current property owners (property purchased 7/6/88). Therefore, you are requested to submit quarterly reports for groundwater monitoring/sampling. These reports should include groundwater flow direction beneath the site. In addition, any remaining soil contamination must also be addressed. Please respond to these items **within 30 days or by May 1, 1993.**

Marble Technics West
1035 7th Street
Oakland, CA 94607

Owner: Robert and Rusty Moody

R/W take: Part - 4000 sq ft. **Cost:** $6,600

Active case for Alameda County under VendMart. Leaking 10,000 gallon gasoline tank removed 1988, sample below tank 680 ppm TPH, soil pile tested less than 100 ppm so placed back in ground. Later in August 1988, 3 borings were drilled, one converted into a monitoring well. 10.5 feet below surface tested 49 ppm TPH. Groundwater tested 150 ppb. Quarterly monitoring reports are required. Susan Hugo is temporarily covering the case at Alameda County (510-271-4320).

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History:

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1951 - Gas and Oil

1975 - Drug Service Inc, Snider Construction

1981 - Drug Service Inc.

1985 - Coffee Service, VendMart

would requirement
for Caltrans to diff
[illegible]
if we handle excavated
soil then additional
costs for contaminated
soil.

TABLE 1
AREA 3

DOT - CYPRESS
SUMMARY OF ANALYTICAL RESULTS - SOIL
GENERAL

UNITS EPA No.	TRPH mg/kg 418.1	TPH-G mg/kg 8015m	TPH-D mg/kg 8015m	BENZENE ug/kg 8020	TOLUENE ug/kg 8020	ETHYL BENZENE ug/kg 8020	XYLENES ug/kg 8020
MICRONESIAN CARGO INTERNATIONAL							
-Hand Auger							
MCI/A-1-1	-	-	ND	-	-	-	-
MCI/A-1-5	-	-	ND	-	-	-	-
MCI/A-1-9.5	-	-	30	-	-	-	-
-Hydropunch							
MCI/H-1-6	-	-	ND	-	-	-	-
MCI/H-1-16	-	-	ND	-	-	-	-
MCI/H-1-21	-	-	ND	-	-	-	-
CHANG'S AUTOMOTIVE							
-Hydropunnch							
CA/H-1-2	43	-	-	-	-	-	-
CA/H-1-6	10	-	-	-	-	-	-
CA/H-1-13	13	-	-	-	-	-	-
MARBLE TECHNICS WEST							
-Boring							
MT/B-1-0.5	-	ND	-	ND	ND	ND	ND
MT/B-1-7.5	-	ND	-	ND	ND	ND	ND
MT/B-1-12	-	ND	-	ND	ND	ND	ND
Detection Limit	5.0	5.0	5.0	5	5	5	5

NOTES: ND = Not Detected at Detection Limit on Laboratory Data Sheets
- = Not analyzed
( ) = Detection Limit
TRPH = Total Recoverable Petroleum Hydrocarbons
TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH-D = Total Petroleum Hydrocarbons as Diesel
Laboratory Analyses performed by CKY

Table 2: Analytical Results - Chang's Automotive

Sample No	Depth (ft., bgs)	Hydrocarbons			
		Hydrocarbons	8015m-Diesel (mg/kg)	8015m-Gasoline (mg/kg)	418.1 TRPH (mg/kg)
B1-S	SFC		ND	--	33.0
B1-1	1.0		ND[a,f]	ND	33.0
B1-4	4.0		ND	ND	ND
B1-7	7.0		ND[a]	ND	ND
B1-10	10.0		ND	ND	ND
B2-S	SFC		ND[b]	--	ND
B2-1	1.0		ND[c,e,f]	ND	51.0
B2-4	4.0		ND	ND	12.0
B2-7	7.0		ND	ND	30.0
B2-10	10.0		ND	ND	ND
B3-S	SFC		ND	--	150.0
B3-1	1.0		ND[d,e,f]	ND	71.0
B3-4	4.0		ND[m,f]	ND	1700.0
B3-7	7.0		ND[l]	ND	ND
B3-10	10.0		ND	ND	ND
B4-S	SFC		ND[n,f]	--	20000.0
B4-1	1.0		ND	ND	23.0
B4-5	5.0		ND	ND	ND
B4-7	7.0		--	--	--
B4-10	10.0		--	--	--

6010 Metals (mg/kg)																			
6010 Metals (mg/kg)		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (total)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	TTLC	500	500	10000	75	100	2500	8000	2500	1000	20	3500	2000	100	500	700	2400	5000
	10XSTLC	150	50	1000	8	10	5600	800	250	50	2	3500	200	10	50	70	240	2500
B1-S	SFC	ND	ND	63.0	0.22	0.60	1.5	5.6	24.0	68.0	0.11	ND	7.3	ND	ND	ND	16.0	140.0
B1-1	1.0	ND	ND	120.0	0.28	0.39	3.7	5.9	20.0	44.0	0.15	ND	6.3	ND	ND	ND	18.0	55.0
B1-4	4.0	ND	1.9	19.0	0.23	0.25	6.9	6.5	4.0	4.2	ND	ND	20.0	ND	ND	ND	13.0	21.0
B1-7	7.0	ND	ND	40.0	0.27	0.17	13.0	5.6	13.0	37.0	0.12	ND	11.0	ND	ND	ND	17.0	51.0
B1-10	10.0	ND	ND	42.0	0.23	0.12	16.0	3.1	6.8	16.0	0.07	ND	13.0	ND	ND	ND	17.0	34.0
B2-S	SFC	--	ND	--	--	--	7.7	--	45.0	200.0	--	--	10.0	--	--	--	--	82.0
B2-1	1.0	--	ND	--	--	--	6.8	--	28.0	150.0	--	--	12.0	--	--	--	--	78.0
B2-4	4.0	--	ND	--	--	--	9.3	--	8.7	62.0	--	--	7.4	--	--	--	--	32.0
B2-7	7.0	--	ND	--	--	--	16.0	--	6.1	15.0	--	--	13.0	--	--	--	--	26.0
B2-10	10.0	--	1.7	--	--	--	4.5	--	3.2	2.2	--	--	20.0	--	--	--	--	15.0
B3-S	SFC	--	ND	--	--	--	ND	--	26.0	71.0	--	--	1.5	--	--	--	--	94.0
B3-1	1.0	--	ND	--	--	--	2.6	--	12.0	37.0	--	--	1.9	--	--	--	--	68.0
B3-4	4.0	--	3.3	--	--	--	17.0	--	6.1	25.0	--	--	11.0	--	--	--	--	14.0
B3-7	7.0	--	5.5	--	--	--	11.0	--	3.8	18.0	--	--	5.9	--	--	--	--	28.0
B3-10	10.0	--	2.7	--	--	--	12.0	--	8.3	16.0	--	--	8.4	--	--	--	--	17.0
B4-S	SFC	ND	ND	150.0	0.39	4.9	12.0	2.1	95.0	1000.0	0.57	3.7	13.0	ND	ND	ND	16.0	490.0
B4-1	1.0	ND	ND	270.0	0.43	0.50	5.0	2.2	110.0	210.0	0.31	ND	5.3	ND	ND	ND	14.0	180.0
B4-5	5.0	ND	ND	100.0	0.22	0.68	8.5	1.8	14.0	73.0	0.15	ND	6.6	ND	ND	ND	12.0	63.0
B4-7	7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-10	10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Sol. Metals		
Soluble Metals (mg/L)	TCLP Lead	WET Lead
	--	18.0
	--	--
	--	--
	--	--
	--	--
	--	--
	ND	--
	--	9.6
	--	1.7
	--	--
	--	--
	--	3.9
	--	--
	--	--
	--	--
	--	--
	--	--
	--	--
	ND	--
	--	8.3
	--	--
	--	--

ND = Not Detected
-- = Not Tested

Table 2: Analytical Results - Chang's Automotive

Sample No	Depth (ft., bgs)	Hydrocarbons			
		Hydrocarbons	8015m-Diesel (mg/kg)	8015m-Gasoline (mg/kg)	418.1 TRPH (mg/kg)
B5-S	SFC		ND[d,f]	--	170.0
B5-1	1.0		ND	ND	ND
B5-4	4.0		ND	ND	ND
B5-6	6.0		ND	ND	ND
B5-10	10.0		--	--	--
B6-S	SFC		ND[b]	--	44.0
B6-1	1.0		ND[e,f]	ND	400.0
B6-4	4.0		ND	ND	ND
B6-7	7.0		ND	ND	ND
B6-10	10.0		ND	ND	ND

Sample No	Depth (ft., bgs)	6010 Metals (mg/kg)																		
		6010 Metals (mg/kg)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (total)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		TTLC	500	500	10000	75	100	2500	8000	2500	1000	20	3500	2000	100	500	700	2400	5000
		10XSTLC	150	50	1000	8	10	5600	800	250	50	2	3500	200	10	50	70	240	2500
B5-S	SFC		--	ND	--	--	--	24.0	--	140.0	2600.0	--	--	17.0	--	--	--	--	410.0
B5-1	1.0		--	ND	--	--	--	8.2	--	36.0	110.0	--	--	2.7	--	--	--	--	66.0
B5-4	4.0		--	ND	--	--	--	9.3	--	3.1	2.6	--	--	5.7	--	--	--	--	4.4
B5-6	6.0		ND	ND	44.0	0.28	0.40	15.0	3.7	4.0	1.8	ND	ND	13.0	ND	ND	ND	18.0	7.7
B5-10	10.0		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B6-S	SFC		ND	2.8	50.0	0.18	0.50	12.0	3.2	14.0	180.0	0.15	ND	9.3	ND	0.46	ND	9.3	53.0
B6-1	1.0		ND	7.1	160.0	0.27	1.9	12.0	14.0	35.0	78.0	0.11	ND	20.0	ND	ND	ND	16.0	120.0
B6-4	4.0		ND	2.5	30.0	0.13	0.34	9.9	0.6	1.8	ND	ND	ND	6.0	ND	ND	ND	7.0	5.0
B6-7	7.0		ND	5.0	41.0	0.21	0.67	16.0	4.1	3.2	8.5	ND	ND	17.0	ND	ND	ND	12.0	12.0
B6-10	10.0		ND	3.2	38.0	0.16	0.68	12.0	3.0	2.5	3.4	ND	ND	12.0	ND	ND	ND	10.0	9.8

Sample No	Depth (ft., bgs)	Sol. Metals		
		Soluble Metals (mg/L)	TCLP Lead	WET Lead
B5-S	SFC		--	--
B5-1	1.0		--	9.0
B5-4	4.0		--	--
B5-6	6.0		--	--
B5-10	10.0		--	--
B6-S	SFC		ND	--
B6-1	1.0		--	0.8
B6-4	4.0		--	--
B6-7	7.0		--	--
B6-10	10.0		--	--

ND = Not Detected
-- = Not Tested

CHROMALAB, INC.

Environmental Services (SDB)

November 14, 1994 ChromaLab File No.: 9410378

ENV. SOLUTIONS - PETALUMA

Attn: Cyd Miller

RE: Four soil samples for Gasoline analysis

Project Name: CALTRANS/CHANG'S
Project Number: 94-911
Date Sampled: October 31, 1994 Date Submitted: October 31, 1994
Date Analyzed: November 9, 1994

RESULTS:

Sample #	Client Sample I.D.	Gasoline (mg/kg)
68480	B1-1	N.D.
68481	B1-4	N.D.
68483	B2-1	N.D.
68485	B3-4	N.D.
BLANK		N.D.
SPIKE RECOVERY		90%
DETECTION LIMIT		1.0
METHOD OF ANALYSIS		5030/8015

ChromaLab, Inc.

Jack Kelly
Analytical Chemist

Ali Kharrazi
Organic Manager

cc

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

November 16, 1994 *Submission #:* 9411013

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: CALTRANS/CHANG's *Project#:* 94-911
Received: November 1, 1994

re: 10 samples for Gasoline analysis.

Matrix: SOIL
Sampled: November 1, 1994 *Run#:* 4519 *Analyzed:* November 9, 1994
Method: EPA 5030/8015M

Spl # CLIENT SMPL ID	GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
68600 B1-7	N.D.	1.0	N.D.	88
68601 B1-10	N.D.	1.0	N.D.	88
68602 B2-4	N.D.	1.0	N.D.	88
68603 B2-7	N.D.	1.0	N.D.	88
68604 B2-10	N.D.	1.0	N.D.	88
68606 B4-1	N.D.	1.0	N.D.	88
68607 B4-5	N.D.	1.0	N.D.	88
68609 B5-1	N.D.	1.0	N.D.	88
68610 B5-4	N.D.	1.0	N.D.	88
68611 B5-6	N.D.	1.0	N.D.	88

Billy Thach
Chemist

Ali Kharrazi
Organic Manager

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Federal ID #68-0140157

cc BILLY 68603

CHROMALAB, INC.

Environmental Services (SDB)

November 14, 1994 *Submission #:* 9410378

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: CALTRANS/CHANG'S *Project#:* 94-911
Received: October 31, 1994

re: Seven samples for Diesel analysis

Matrix: SOIL *Extracted:* November 4, 1994
Sampled: October 31, 1994 *Analyzed:* November 5-13, 1994
Method: EPA 3550/8015

Sample #	Client Sample ID	Diesel (mg/Kg)
68479	B1-SURFACE	N.D.
68480	B1-1	N.D.[a]
68481	B1-4	N.D.
68482	B2-SURFACE	N.D.[b]
68483	B2-1	N.D.[c,e]
68484	B3-SURFACE	N.D.
68485	B3-1	N.D.[d,e]
Blank		N.D.
Spike Recovery		107%
Dup Spike Recovery		111%
Reporting Limit		1.0

a - Unknown compounds were found in the Diesel range in the estimated amount of 6.2 mg/kg compared with Diesel standard.
b - Unknown compounds were found in the Diesel range in the estimated amount of 1.5 mg/kg compared with Diesel standard.
c - Unknown compounds were found in the Diesel range in the estimated amount of 63 mg/kg compared with Diesel standard.
d - Unknown compounds were found in the Diesel range in the estimated amount of 2.6 mg/kg compared with Diesel standard.
e - Detection limit raised by 2 mg/Kg due to dilution.

ChromaLab, Inc.

Sirirat Chullakorn
Analytical Chemist

Ali Kharrazi
Organic Manager

kv

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CHROMALAB, INC.

Environmental Services (SDB)

November 14, 1994 — *Submission #:* 9411013

ENV. SOLUTIONS - PETALUMA — *Atten:* Cyd Miller

Project: CALTRANS CHANG's — *Project#:* 94-911
Received: November 1, 1994

re: Twelve samples for Diesel analysis

Matrix: SOIL — *Extracted:* November 4, 1994
Sampled: November 1, 1994 — *Analyzed:* November 5-8, 1994
Method: EPA 3550/8015

Sample #	Client Sample ID	Diesel (mg/Kg)
68600	B1-7	N.D. (a)
68601	B1-10	N.D.
68602	B2-4	N.D.
68603	B2-7	N.D.
68604	B2-10	N.D.
68605	B4-SURFACE	N.D. (b,d)
68606	B4-1	N.D.
68607	B4-5	N.D.
68608	B5-SURFACE	N.D. (c,d)
68609	B5-1	N.D.
68610	B5-4	N.D.
68611	B5-6	N.D.
Blank		N.D.
Spike Recovery		107%
Dup Spike Recovery		111%
Reporting Limit		1.0

(a) Unknown compounds were found in the Diesel range in the estimated amount of 2.6 mg/Kg compared with the Diesel Standard.
(b) Unknown compounds were found in the Diesel range in the estimated amount of 470 mg/Kg compared with the Diesel Standard.
(c) Unknown compounds were found in the Diesel range in the estimated amount of 850 mg/Kg compared with the Diesel Standard.
(d) Detection limit raised by 50 mg/Kg due to dilution.

ChromaLab, Inc.

Sirirat Chullakorn
Analytical Chemist

Ali Kharrazi
Organic Manager

cc

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CHROMALAB, INC.

Environmental Services (SDB)

November 11, 1994 *Submission #:* 9411013

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: CALTRANS/CHANG's *Project#:* 94-911
Received: November 1, 1994

re: 12 samples for Total Recoverable Petroleum Hydrocarbons analysis.

Matrix: SOIL *Extracted:* November 10, 1994
Sampled: November 1, 1994 *Run#:* 4542 *Analyzed:* November 10, 1994
Method: EPA 418.1

Spl #	CLIENT SMPL ID	TRPH (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
68600	B1-7	N.D.	10	N.D.	84
68601	B1-10	N.D.	10	N.D.	84
68602	B2-4	12	10	N.D.	84
68603	B2-7	30	10	N.D.	84
68604	B2-10	N.D.	10	N.D.	84
68605	B4-SURFACE	20000	10	N.D.	84
68606	B4-1	23	10	N.D.	84
68607	B4-5	N.D.	10	N.D.	84
68608	B5-SURFACE	170	10	N.D.	84
68609	B5-1	N.D.	10	N.D.	84
68610	B5-4	N.D.	10	N.D.	84
68611	B5-6	N.D.	10	N.D.	84

Carolyn House
Extractions Supervisor

Ali Kharrazi
Organic Manager

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CHROMALAB, INC.

Environmental Services (SDB)

November 11, 1994 *Submission #:* 9410378

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: CALTRANS/CHANG'S *Project#:* 94-911
Received: October 31, 1994

re: 7 samples for Total Recoverable Petroleum Hydrocarbons analysis.

Matrix: SOIL *Extracted:* November 10, 1994
Sampled: October 31, 1994 *Run#:* 4542 *Analyzed:* November 10, 1994
Method: EPA 418.1

Spl #	CLIENT SMPL ID	TRPH (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
68479	B1-SURFACE	33	10	N.D.	84
68480	B1-1	33	10	N.D.	84
68481	B1-4	N.D.	10	N.D.	84
68482	B2-SURFACE	N.D.	10	N.D.	84
68483	B2-1	51	10	N.D.	84
68484	B3-SURFACE	150	10	N.D.	84
68485	B3-1	71	10	N.D.	84

Carolyn House
Extractions Supervisor

Ali Kharrazi
Organic Manager

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Federal ID #68-0140157

Table 2: Analytical Results - Chang's Automotive

Sample No.	Depth (ft., bgs)	7196 CHROM VI	8240 VOCs (ug/kg)	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Methyl Ethyl Ketone	Carbon Tetrachloride	Chlorobenzene	Chloroethane	2-Chloroethylvinyl ether	Chloroform	Chloromethane	Dibromochloromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	1,2-Dichloropropane	Cis-1,3-Dichloropropene	Trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Methylene Chloride	Methyl Isobutyl Ketone	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride	Xylenes
			8240 VOCs (ug/kg)																																					
B1-S	SFC	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1-1	1.0	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1-4	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38.0	ND	ND	ND	ND	ND	ND	ND	ND
B1-7	7.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	69.0	ND	ND	ND	ND	ND	ND	ND	ND
B1-10	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	92.0	ND	ND	ND	7.1	ND	ND	ND	ND
B2-S	SFC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-1	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-4	4.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64.0	ND	ND	ND	ND	ND	ND	ND	ND
B2-7	7.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39.0	ND	ND	ND	ND	ND	ND	ND	ND
B2-10	10.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0	ND	ND	ND	ND	ND	ND	ND	ND
B3-S	SFC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B3-1	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B3-4	4.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.0	ND	ND	ND	ND	ND	ND	ND	ND
B3-7	7.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B3-10	10.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.1	ND	ND	ND	ND	ND	ND	ND	ND
B4-S	SFC	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-1	1.0	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-5	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B4-7	7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-10	10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

ND = Not Detected
-- = Not Tested

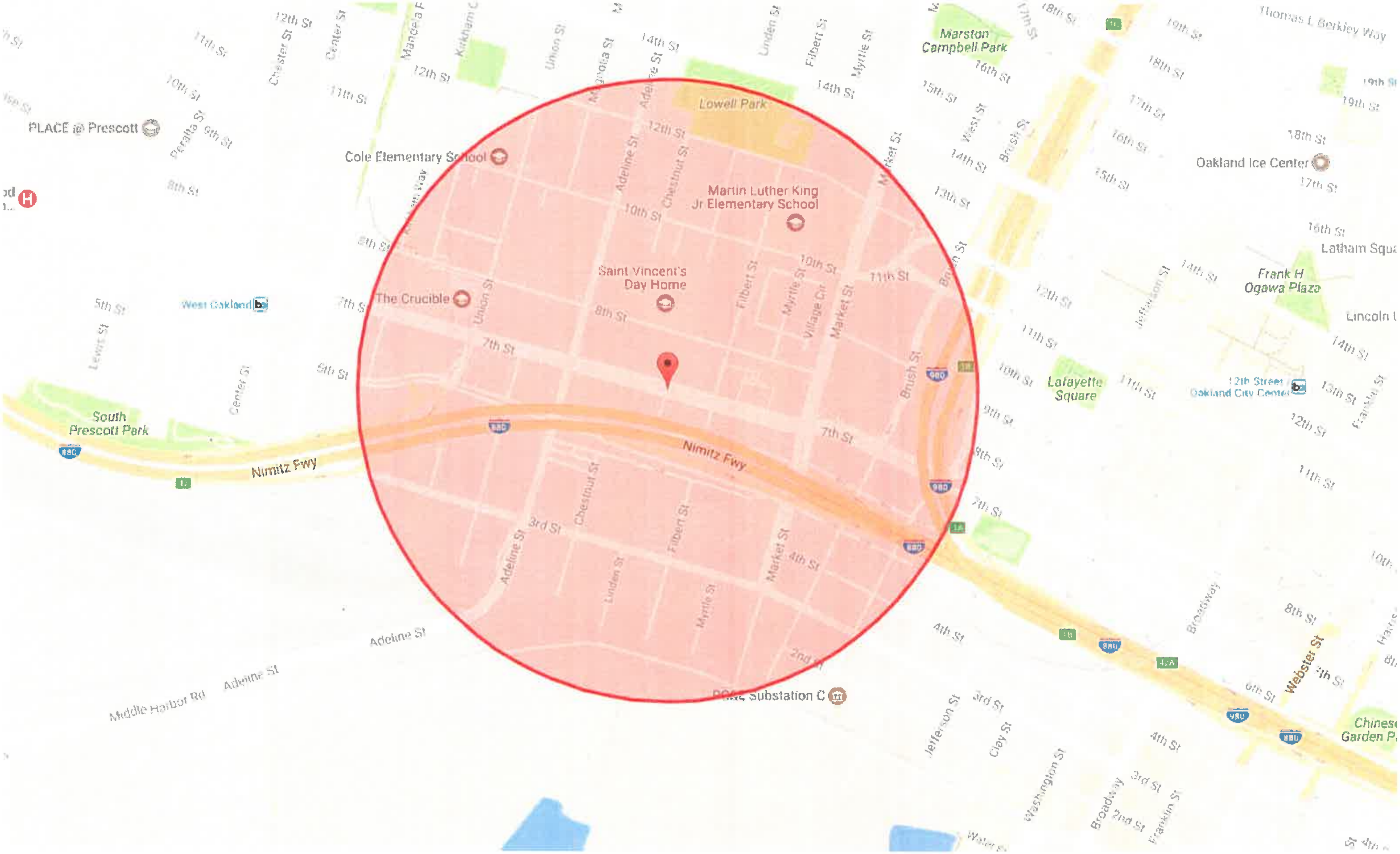
Table 2: Analytical Results - Chang's Automotive

			8240 VOCs (ug/kg)																			
Sample No	Depth (ft., bgs)	7196 CHROM VI	8240 VOCs (ug/kg)	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Methyl Ethyl Ketone	Carbon Tetrachloride	Chlorobenzene	Chloroethane	2-Chloroethylvinyl ether	Chloroform	Chloromethane	Dibromochloromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene
B5-S	SFC	- -		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
B5-1	1.0	- -		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
B5-4	4.0	- -		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B5-6	6.0	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B5-10	10.0	- -		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
B6-S	SFC	ND		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
B6-1	1.0	ND		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
B6-4	4.0	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6-7	7.0	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6-10	10.0	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample No	1,2-Dichloropropane	Cis-1,3-Dichloropropene	Trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Methylene Chloride	Methyl Isobutyl Ketone	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride	Xylenes
B5-S	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
B5-1	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
B5-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B5-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B5-10	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
B6-S	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
B6-1	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
B6-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected
- - = Not Tested

ATTACHMENT 12


Lowell Park
Martin Luther King Jr Elementary School
Saint Vincent's Day Home
The Crucible
Cole Elementary School
PLACE @ Prescott
West Oakland
South Prescott Park
Nimitz Fwy
Marston Campbell Park
Oakland Ice Center
Frank H Ogawa Plaza
Lafayette Square
12th Street Oakland City Center
Webster St
Adeline St
Middle Harbor Rd
Thomas L Berkley Way