ALAMEDA COUNTY
HEALTH CARE SERVICES AGENCY
REBECCA GEBHART, Interim 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

February 28, 2017

Mr. James Jiang & Ms. Hilda Wong
PO Box 2682
Fremont, CA 94536

Mr. Robert M Frost
c/o Frost & Wright
Address Unknown

California Central Trust Bank TR ETAL
Address Unknown

Lincoln Trust Co., TR ETAL
Address Unknown

Subject: Case Closure for Fuel Leak Case No. RO0000158 and Geotracker Global ID T0600100903, Walt's Auto Tec, 2896 Castro Valley Boulevard, Castro Valley, CA 94546

Dear Ladies and Gentlemen:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites.

We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter 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).

Due to residual contamination, the site was closed with Site Management Requirements that limit future land use to the current commercial land use as an auto repair facility. Site Management Requirements are further described in Additional Information of the attached Case Closure Summary.

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

Sincerely,

Dilan Roe

Dilan Roe, P.E.
Chief

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

Cc w/enc.: Alameda County Public Works, Building Inspection Division, 399 Elmhurst Street, Room 141, Hayward, CA 94544

Kwablah Attiogbe, Alameda County Public Works, 399 Elmhurst Street, Room 141, Hayward, CA 94544 , (Sent via electronic mail to:kwablah@acpwa.org)

Sandra Rivera, Assistant Planning Director, Alameda County Planning Department, Community Development Agency, 224 West Winton Ave. Rm. 111, Hayward, CA 94544-1215, (Sent via electronic mail to: Sandra.rivera@acgov.org)

Stuart Solomon, Phase-1 Environmental Services, 5216 Harwood Road, San Jose, CA 95124, (Sent via electronic mail to: stuart@phase-1environmental.com)

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

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim 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

REMEDIAL ACTION COMPLETION CERTIFICATION

February 28, 2017

Mr. James Jiang & Ms. Hilda Wong
PO Box 2682
Fremont, CA 94536

Mr. Robert M Frost
c/o Frost & Wright
Address Unknown

California Central Trust Bank TR ETAL
Address Unknown

Lincoln Trust Co., TR ETAL
Address Unknown

Subject: Case Closure for Fuel Leak Case No. RO0000158 and Geotracker Global ID T0600100903, Walt's Auto Tec, 2896 Castro Valley Boulevard, Castro Valley, CA 94546

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

Ronald Browder
Director

Underground Storage Tank
Case Closure Summary Form

Agency Information

Date: February 28, 2017

Alameda County Department of Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6876
Case Worker: Mark Detterman	Title: Senior Hazardous Materials Specialist

Case Information

Facility Name: Walt's Auto Tec		
Facility Address: 2896 Castro Valley Boulevard, Castro Valley		
Regional Water Board LUSTIS Case No: 01-0980	Former ACDEH Case No.: 969	Current LOP Case No.: RO0000158
Unauthorized Release Form Filing Date: 5/16/1990	State Water Board GeoTracker Global ID: T0600100903	
Assessor Parcel Number: 84A-131-11-6	Current Land Use: Commercial	
Responsible Party(s):	Address:	Phone:
Mr. Robert M Frost c/o Frost & Wright	Address Unknown	----
California Central Trust Bank TR ETAL c/o Diversified Loan SVC	Address Unknown	----
California Central Trust Bank TR	Address Unknown	----
Lincoln Trust Co., TR ETAL	Address Unknown	----
Mr. James Jiang & Ms. Hilda Wong	P.O. Box 2682 Fremont, CA 94536	----

Tank Information

Tank No.	Size (gal)	Contents	Closed in-Place / Removed	Date
----	10,000	Gasoline	Removed	6/16/87
----	7,500	Gasoline	Removed	6/16/87
----	5,000	Gasoline	Removed	6/16/87
----	300	Waste Oil	Removed	6/16/87

Underground Storage Tank
Case Closure Summary Form

Site Closure Evaluation Summary

This UST release case has been evaluated for closure consistent with the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP) for petroleum related contaminants.

Refer to Attachments 1 through 5 for analysis details.

Site Management Requirements

Case closure is granted for the current commercial land use.

Due to residual subsurface contamination remaining at the site, if any redevelopment occurs, or if a proposed change in land use to residential, or other conservative land use, Alameda County Department of Environmental Health (ACDEH) must be notified as required by Government Code Section 65850.2.

Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

This site is to be entered into the County of Alameda Permit Tracking System due to the residual contamination on site.

Institutional Controls

Not Applicable

Engineering Controls

Not Applicable

Underground Storage Tank
Case Closure Summary Form

Case Closure Public Notification Information

Agency Type	Agency Name	Contact Information
Regional Water Board	San Francisco Bay	Laurent Meillier 1515 Clay Street, Suite 1400, Oakland, CA 94612
Municipal and County Water Districts	East Bay Municipal Utility District	Chandra Johannesson P.O. Box 24055, MS 702 Oakland, CA 94623
Water Replenishment Districts	Not Applicable	----
Groundwater Basin Managers	Not Applicable	----
Planning Agency	County of Alameda	Sandra Rivera, Assistant Planning Director Alameda County Planning Department Community Development Agency 224 West Winton Ave. Rm. 111 Hayward, CA 94544-1215
Public Works Agency	County of Alameda	Kwablah Attiogbe Alameda County Public Works 399 Elmhurst Street Hayward CA 94544
Owners and Occupants of Property and Adjacent Parcels	See List in Attachment 7	----

Local Agency Signatures

Case Worker: Mark Detterman	Title: Senior Hazardous Materials Specialist
Signature: Mark Detterman	Date: 2/28/2017
Paresh Khatri	Title: LOP Supervisor
Signature: Paresh Khatri	Date: 2/28/2017
Dilan Roe	Title: Chief
Signature: Dilan Roe	Date: 2/28/2017

This Case Closure Summary along with the Case Closure Transmittal letter and 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. The Conceptual Site Model may not contain all available data. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Department of Environmental Health (ACDEH) 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). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACDEH website.

Geotracker Conceptual Site Model (Attachment 1, 2 pages)
Geotracker LTCP Checklist (Attachment 2, 1 page)
Groundwater Evaluation and Data (Attachment 3, 53 pages)
Vapor Intrusion Evaluation and Data (Attachment 4, 2 pages)
Soil Evaluation and Data (Attachment 5, 58 pages)
Responsible Party Information (Attachment 6, 2 pages)
Case Closure Public Notification Information (Attachment 7, 3 pgs)

ATTACHMENT 1

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

WALT'S AUTO TEC (T0600100903) - MAP THIS SITE

PUBLIC PAGE

2896 CASTRO VALLEY BLVD.
CASTRO VALLEY , CA 94546
ALAMEDA COUNTY
LUST CLEANUP SITE
STATUS: OPEN - ELIGIBLE FOR CLOSURE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0000158* - MARK DETTERMAN
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-0980* - Regional Water Board

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

THIS PROJECT WAS LAST MODIFIED BY MARK DETTERMAN ON 2/28/2017 2:02:43 PM - HISTORY

CSM REPORT - VIEW PUBLIC NOTICING VERSION OF THIS REPORT

UST CLEANUP FUND CLAIM INFORMATION (DATA PULLED FROM SCUFIIS)

CLAIM NO	PRIORITY	CLAIMANT	SITE ADDRESS	AMT REIMB TO DATE	AGE OF LOC	IMPACTED WELLS?	FIVE YEAR REVIEW INFORMATION: REVIEW NUM	REVIEWER	FUND RECOMMENDATION	TO OVERSIGHT DATE	TO CLAIMANT DATE

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - MAP THIS SITE

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
WALT'S AUTO TEC (Global ID: T0600100903) 2896 CASTRO VALLEY BLVD. CASTRO VALLEY, CA 94546	Open - Eligible for Closure	3/6/2009	5/10/1989	28	ALAMEDA COUNTY LOP *(LEAD) - CASE #: RO0000158* *CASEWORKER:* MARK DETTERMAN - *SUPERVISOR:* DILAN ROE SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-0980* *CASEWORKER:* Regional Water Board - *SUPERVISOR:* NONE SPECIFIED

STAFF NOTES (INTERNAL)

Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

Multiple requests for well destruction have been sent; however, this final task was not completed until October 2016.

SITE HISTORY

Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

The subject property (APN 84A-131-11-6) is located in the center of Castrol Valley at 2896 Castro Valley Boulevard in a commercial area of Castro Valley, at the intersection of Castro Valley Boulevard and Anita Avenue. At the time of this case closure, Quality Auto Care is operating an Automotive Repair and Service business at the site and accordingly this case is closed to the current commercial land-use risk scenario, consisting of a commercial structure developed at the site. Due to residual contamination, the site was closed with site management requirements that include notifying Alameda County Department of Environmental Health (ACDEH) of a proposed change in land use to any residential or conservative land use, or if any redevelopment or building alteration is proposed that affect or disturb the existing subsurface conditions at the site.

Adjacent Property(ies) Land-use at Time of Case Closure

At the time of this case closure, no potential off-site contamination was identified. However, should off-site redevelopment occur, ACDEH recommends evaluating the redevelopment site(s) for chemicals of concern identified on this site.

Historic Land-use / Site Investigation

Prior to circa 1987, the site was a previously operating Texaco Service Station. On September 25, 1986, four soil borings were installed around four existing USTs. Soil sample analytical results detected "Total Volatile Hydrocarbons" collected at 10 feet bgs in borings B-1 through B-3 and 6 feet bgs in boring B-4.

On June 16, 1987, during removal of one 10,000-gallon, one 7,500-gallon, one 5,000-gallon gasoline underground gasoline tanks, and one 300-gallon used oil tank, nine soil samples were taken from the tank pits. Soil samples from around the gasoline tanks were non-detectable for contaminants, except for one side of the smallest tank pit, which detected total petroleum hydrocarbons (TPH) as gasoline (g). A groundwater sample from around the waste oil tank detected TPH as diesel (d), total oil and grease (TOG), benzene, toluene, ethylbenzene, and xylenes (BTEX). Soil samples were collected approximately above the groundwater that was encountered in the UST pits. Sheen was visible on the groundwater surface in the vicinity of the 7,500-gallon and 5,000-gallon USTs. The three gasoline USTs were noted to be in good condition, while the used oil UST exhibited multiple holes and appeared very rusty and corroded.

In the early part of 1988, a geotechnical investigation was conducted at the site. Six test borings were installed to depths of 5 to 20 feet bgs at the site. Hydrocarbon odors were evident in borings 2 & 3 from depths of 1 to approximately 12 feet bgs.

On September 27 and 28, 1990, four additional soil borings (B-1 to B-4) and three monitoring wells (MW-1 to MW-3) were drilled. During installation of these borings, soil and water samples were collected. Most soil samples were non-detect for TPH-g and BTEX, though 4 samples detected contamination.

Groundwater monitoring conducted on March 30, 1992 and on September 25, 1992 detected naphthalene, Low/Medium B.P. Hydrocarbons", BTEX, Lead, and arsenic.

In October 1993, remedial excavation was performed at the site to remove contaminated soil.

Groundwater monitoring was conducted periodically from April 9, 1997 to January 4, 2000 to assess post remediation groundwater conditions. Groundwater sample analytical results detected low to non-detect concentrations of contaminants.

After multiple requests for well destruction, the wells were destroyed under permit in October 2016 and site proceeded to closure at that time.

Potential Exposure to Chemicals of Concern

The USTs are believed to be the source of the contamination discovered and subsequently cleaned up at the site. The main chemicals of concern (COCs) associated with the USTs and detected at the site were total petroleum hydrocarbons (TPH) as gasoline (g), benzene, toluene, ethylbenzene, xylenes (BTEX), total oil & grease (TOG), TPH as diesel (d), chromium, nickel, lead, cadmium, zinc.

Inhalation and ingestion appear to be the most likely potential routes of exposure to these COCs.

Remediation Activities

Remedial excavation was performed at the site to remove contaminated soil. From October 23 to October 25, 1993 the tank pit was over-excavated laterally and vertically to a depth of 13.5 feet bgs. Soil samples were then collected from the sidewalls of the excavation and a groundwater sample was collected from the bottom of the pit. Soil samples detected TPH-g, BTEX, TOG, TPH-d, chromium, nickel, lead, cadmium, zinc (the metals were reported to be below Title 22 TTLC limits). The groundwater sample detected TPH-d, chromium, cadmium, and zinc.

Based on the high levels of TOG in the area near former waste oil tank area, additional excavation was performed. Soil was removed from underneath the existing building until all observable discolored soil was removed and the excavating equipment could go no further beneath the building. A soil sample from the far wall of this excavation was taken on November 8, 1994. TOG was below detectable levels, at <50 ppm. Approximately 92 tons of clean ¾ inch drainrock was then imported and backfilled to a depth of 9 feet bgs. A plastic barrier was put down, and stockpiled soil shown to contain less than 100 ppm TPH was backfilled into the excavation at the approval of the Bay Area Regional Water Board.

Case Closure & Future Site Management Requirements

This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). The case meets all the general and media-specific criteria of the LTCP. Additionally, the entire site is paved and the site is in current commercial land use.

Due to residual contamination at the site, the site is closed as a commercial site with site management requirements. If there is a proposed change in land use to any residential, or conservative land use, or if any redevelopment occurs, ACDEH must be notified as required by Government Code Section 65850.2.2. ACDEH will re-evaluate the site relative to the proposed redevelopment. Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

RESPONSIBLE PARTIES

NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
C/O DIVERSIFIED LOAN SERVICES	CALIF CENTRAL TRUST BANK TR ETAL	UNK	UNK	
FIRST0293 LAST0293	LINCOLN TRUST CO ETAL	PO BOX 5831	DENVER	
JAMES JIANG & HILDA WONG	NA	UNK	UNK	
ROBERT M FROST	C/O FROST & WRIGHT	20980 REDWOOD ROAD, #260	CASTRO VALLEY	

CLEANUP ACTION INFO

ACTION TYPE	BEGIN DATE	END DATE	PHASE	CONTAMINANT MASS REMOVED	DESCRIPTION
EXCAVATION	9/29/1993	12/15/1994			

RISK INFORMATION | VIEW LTCP CHECKLIST | VIEW PATH TO CLOSURE PLAN | VIEW CASE REVIEWS

CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS
Gasoline	Commercial	GW - Municipal and Domestic Supply		5/10/1989	Close and Remove Tank	0

FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
NO	NO	EBMUD	10/19/2016	10/19/2016			

CDPH WELLS WITHIN 1500 FEET OF THIS SITE

NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN	GW BASIN NAME	WATERSHED NAME
084A013101106	Castro Valley (2-8)	South Bay - East Bay Cities (204.20)

COUNTY

Alameda

PUBLIC WATER SYSTEM(S)

- **EAST BAY MUD** - 375 ELEVENTH STREET, OAKLAND, CA 94607

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER - SHOW | VIEW ESI SUBMITTALS

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL - SHOW | VIEW ESI SUBMITTALS

MOST RECENT GEO_WELL DATA - SHOW | VIEW ESI SUBMITTALS

ATTACHMENT 2

GeoTracker · Regulator Tools · Reports · Other Tools · GAMA · Contact · Logout · Quick Search

WALT'S AUTO TEC (T0600100903) - MAP THIS SITE · PUBLIC PAGE

2896 CASTRO VALLEY BLVD
CASTRO VALLEY , CA 94546
LUST CLEANUP SITE
STATUS: OPEN - ELIGIBLE FOR CLOSURE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000158 - MARK DETTERMAN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-0980 - Regional Water Board

Activities Report · Documents · Data · Environmental Conditions · Admin · Funding · Case Reviews

THIS PROJECT WAS LAST MODIFIED BY MARK DETTERMAN ON 11/4/2016 3:08:27 PM - HISTORY

CLOSURE POLICY — THIS VERSION IS FINAL AS OF 11/4/2016 — CHECKLIST CREATED ON 9/6/2016 — 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
2a - Scenario 3 (example): Dissolved Phase Benzene Concentrations Only in Groundwater (Low concentration groundwater scenarios with or without O2 measurements must satisfy one i, ii, or iii):	**YES**
i. For bioattenuation zone without oxygen measurements or oxygen <4% and benzene concentration are <100 µg/L, the bioattenuation zone: Is a continuous zone that provides a separation of at least 5 feet vertically between the dissolved phase benzene and the foundation of existing or potential building; and contain total TPH <100 mg/kg throughout the entire depth of the bioattenuation zone.	(●) YES ( ) NO
ii. For bioattenuation zone without oxygen measurements or oxygen <4% and benzene concentration are >100 µg/L but <1,000 µg/L, the bioattenuation zone: Is a continuous zone that provides a separation of at least 10 feet vertically between the dissolved phase benzene and the foundation of existing or potential building, and contain total TPH <100 mg/kg throughout the entire depth of the bioattenuation zone.	( ) YES ( ) NO
iii. For bioattenuation zone with oxygen ≥ 4% and benzene concentration are <1,000 µg/L, the bioattenuation zone: Is a continuous zone that provides a separation of at least 5 feet vertically between the dissolved phase benzene and the foundation of existing or potential building, and contain total TPH <100 mg/kg throughout the entire depth of the bioattenuation zone.	( ) 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(a) - Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in the following table (LINK) for the specified depth below ground surface.	(●) 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 16/17?	(●) YES ( ) NO

SPELL CHECK

[Save Form as Partially Completed] [Save Form as Complete]

ATTACHMENT 3

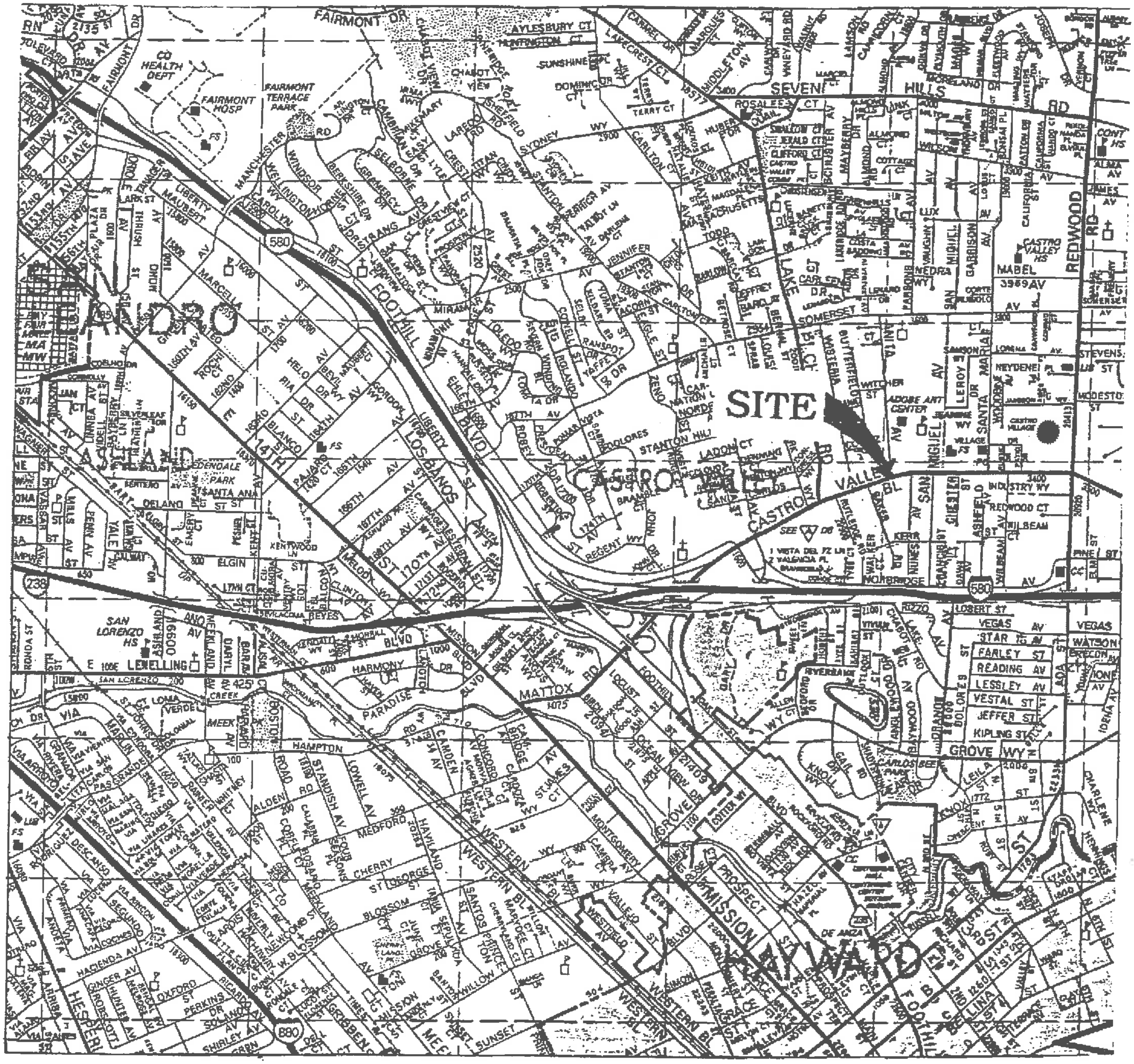
Attachment 3 – Groundwater Evaluation and Data

LTCP GROUNDWATER SPECIFIC CRITERIA - PETROLEUM						
Closure Scenario						
__ Site has not affected groundwater; _X_ **Scenario 1**; __ Scenario 2; __ Scenario 3; __ Scenario 4; __ Scenario 5; __ This case should be closed in spite of not meeting the groundwater specific media criteria						
Shading indicates Site Specific Data and Bold Text indicates Evaluation Criteria						
Site Specific Data		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Scenario 4**	**Scenario 5**
Plume Length	< 100 feet	**<100 feet**	<250 feet	<1,000 feet	<1,000 feet	The site does not meet scenarios 1 through 4; however, a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame.
Free Product	No free product	**No free product**	No free product	Removed to maximum extent practicable	No free product	
Plume Stable or Decreasing	Stable	**Stable or decreasing**	Stable or decreasing	Stable or decreasing for minimum of 5 years	Stable or decreasing	
Distance to Nearest Water Supply Well (from plume boundary)	1,400 feet (DWR / ACPWA) >2,000 feet (GAMA)	**>250 feet**	>1,000 feet	>1,000 feet	>1,000 feet	
Distance to Nearest Surface Water Body (from plume boundry)	Downgradient: 1,200 feet Cross Gradient: 430 feet Upgradient: 4,300 feet	**>250 feet**	>1,000 feet	>1,000 feet	>1,000 feet	
Benzene Concentrations (µg/l)	Historic Max: 1.5 Current Max: < 0.5	**No criteria**	<3,000	<1,000	<1,000	
MTBE Concentrations (µg/l)	Historic Max: < 0.5 Current Max: < 0.5	**No criteria**	<1,000	<1,000	<1,000	
Property Owner Willing to Accept a Land Use Restriction	Not applicable	**Not applicable**	Not applicable	Yes	Not applicable	

Notes: DWR = Department of Water Resources
ACPWA = Alameda County Public Works Agency
GAMA = Groundwater Ambient Monitoring Assessment (GeoTracker)

Attachment 3 – Groundwater Evaluation and Data

Analysis	
Plume Length	Defined to water quality objectives. (Contaminant plume that exceeds water quality objectives is less than 100 feet.)
Free Product	Not observed at site.
Plume Stability	Plume is stable in aerial extent. (The contaminant mass has expanded to its maximum extent defined as the distance from the release where attenuation exceeds migration.)
Water Supply Wells	An Alameda County Public Works Agency (ACPWA) and the Department of Water Resources (DWR) well survey indicate no public water supply wells, irrigation wells within 1,400 feet of the site. The well survey results from the GeoTracker Groundwater Ambient Monitoring Assessment (GAMA) website indicates there are no public water supply wells, irrigation wells, California Department of Public Health wells, Department of Pesticide Regulation wells located within a 2,000 foot radius of the site.
Surface Water Bodies	Chabot Creek is downgradient to the southwest at an approximate distance of 1,200 feet. Chabot Creek is also crossgradient to the northwest at an approximate distance of 430 feet. A daylighted portion of Valley Creek is approximately 4,300 feet upgradient.



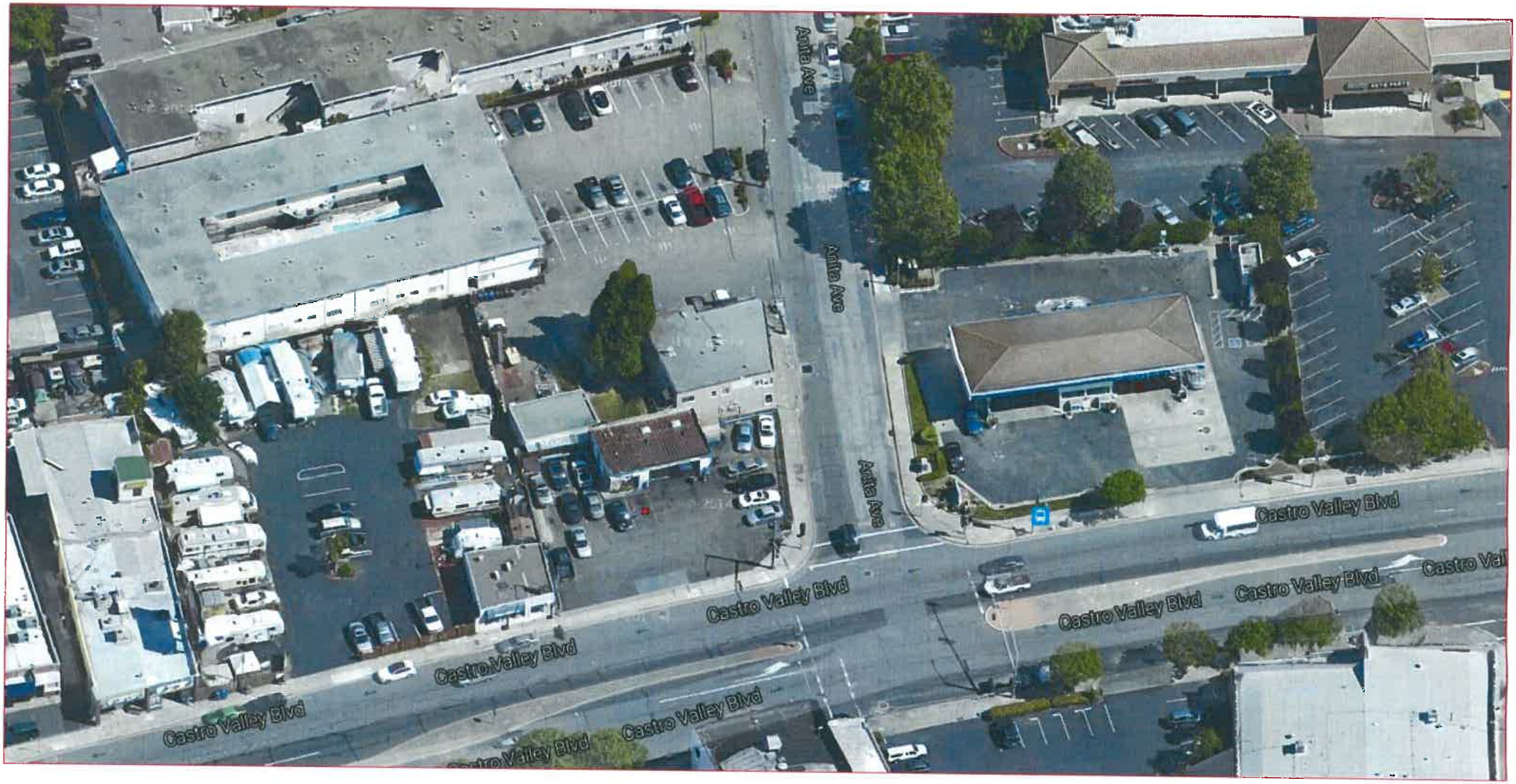
VICINITY MAP

2896 CASTRO VALLEY BLVD., CASTRO VALLEY, CA

SCALE: 1"=2200'	APPROVED BY:	DRAWN BY:
DATE: 4/22/99		REVISED:

PIERS ENVIRONMENTAL SERVICES, INC.

1330 S. BASCOM AVENUE, SUITE F, SAN JOSE, CA 95128	**FIGURE 1**


Anita Ave
Anita Ave
Anita Ave
Castro Valley Blvd
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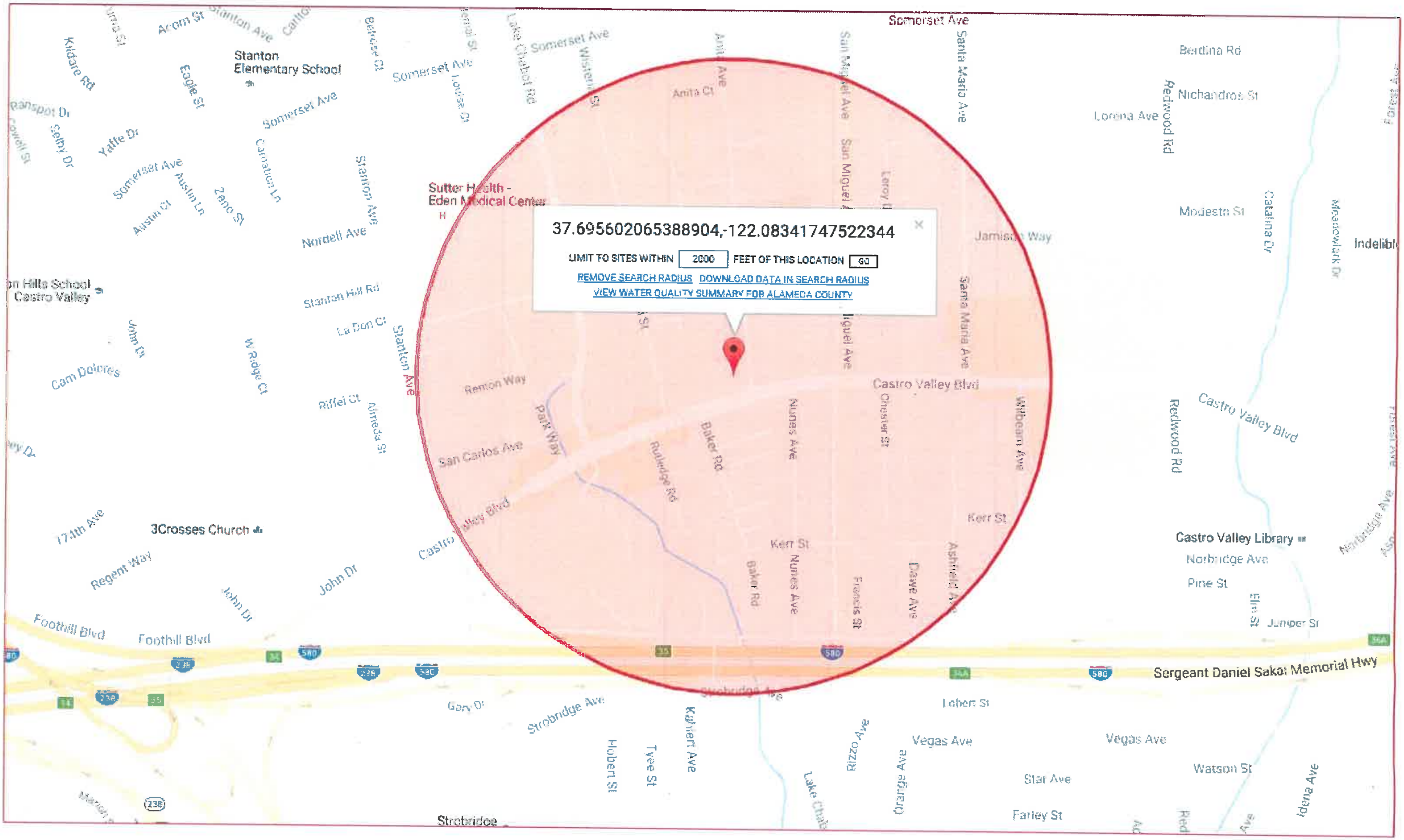
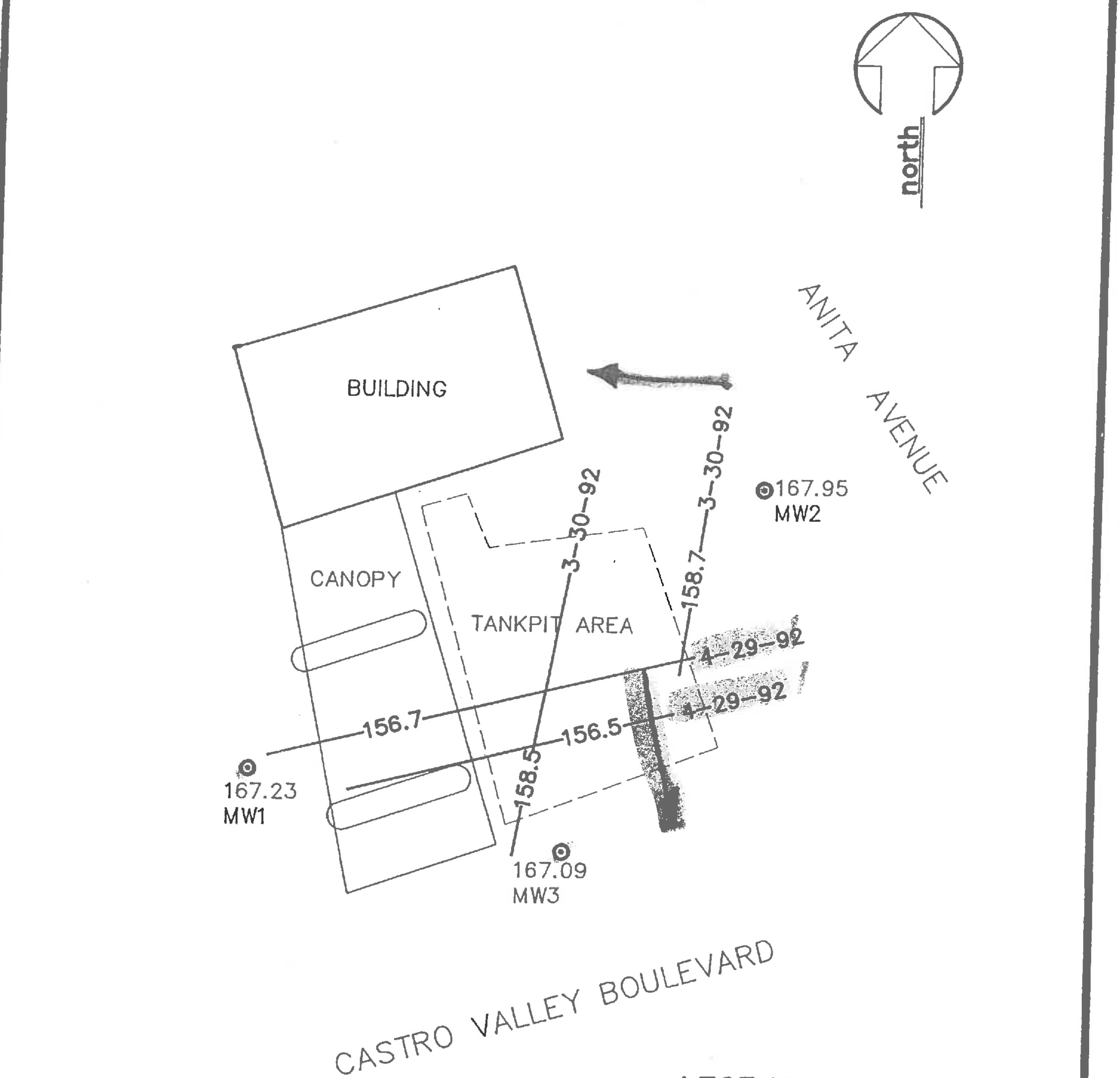

37.695602065388904,-122.08341747522344
LIMIT TO SITES WITHIN
2000
FEET OF THIS LOCATION
GO
REMOVE SEARCH RADIUS
DOWNLOAD DATA IN SEARCH RADIUS
VIEW WATER QUALITY SUMMARY FOR ALAMEDA COUNTY
Stanton Elementary School
Sutter Health - Eden Medical Center
3Crosses Church
Castro Valley Library
Somerset Ave
Castro Valley Blvd
Sergeant Daniel Sakai Memorial Hwy
Foothill Blvd
Strobridge Ave
Stanton Ave
Santa Maria Ave
San Miguel Ave
Redwood Rd
Acorn St
Kildare Rd
Eagle St
Yaffe Dr
Austin Ln
Zeno St
Nordell Ave
Stanton Hill Rd
La Don Ct
Remon Way
San Carlos Ave
Park Way
Rutledge Rd
Baker Rd
Nunes Ave
Chester St
Wilbeam Ave
Kerr St
Dawe Ave
Ashfield Ave
Francis St
Anita Ct
Jamison Way
Bardina Rd
Nichandros St
Lorena Ave
Modesto St
Catalina Dr
Norbridge Ave
Pine St
Elm St
Juniper St
Cam Dolores
Riffel Ct
Almeda St
174th Ave
Regent Way
John Dr
Gary Dr
Hubert St
Tyee St
Kuhnert Ave
Rizzo Ave
Orange Ave
Vegas Ave
Lobert St
Star Ave
Farley St
Watson St
Idena Ave
Strobridge



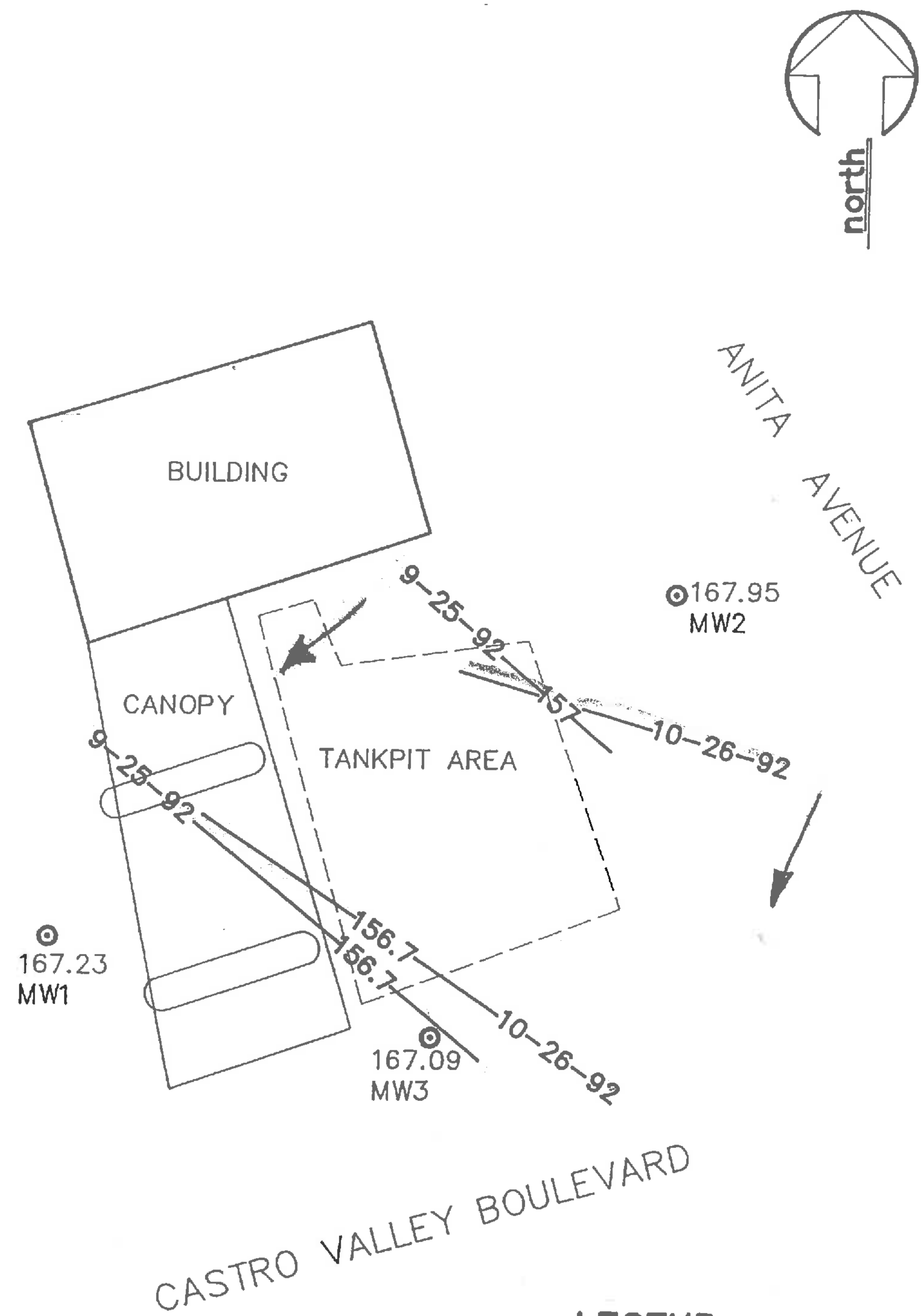
LEGEND

—158.5— WATER LEVEL GRADIENT CONTOUR ELEVATION IN FEET

3-30-92 DATE WATER LEVEL MEASURED

C-REM ENGINEERS ENGINEERING • SURVEYING • PLANNING 1820 GATEWAY DRIVE • SUITE 100 • SAN MATEO • CA 94404 Phone: (415) 571-6400 Fax: (415) 571-1029	Checked by: MW Drawn by: PC Designed by: MW Surveyed by: Scale: 1"=20' Date: 10-27-92 Job No.: 92020.02	ROBERT M. FROST WATER LEVEL GRADIENT CONTOUR MAP FIGURE 1 CASTRO VALLEY	SHEET 1 OF 1

92020-01



LEGEND

—158.5— WATER LEVEL GRADIENT CONTOUR ELEVATION IN FEET

9-25-92 DATE WATER LEVEL MEASURED

C-REM ENGINEERS
ENGINEERING • SURVEYING • PLANNING
1820 GATEWAY DRIVE • SUITE 100 • SAN MATEO • CA 94404
Phone: (415) 571-6400 Fax: (415) 571-1029

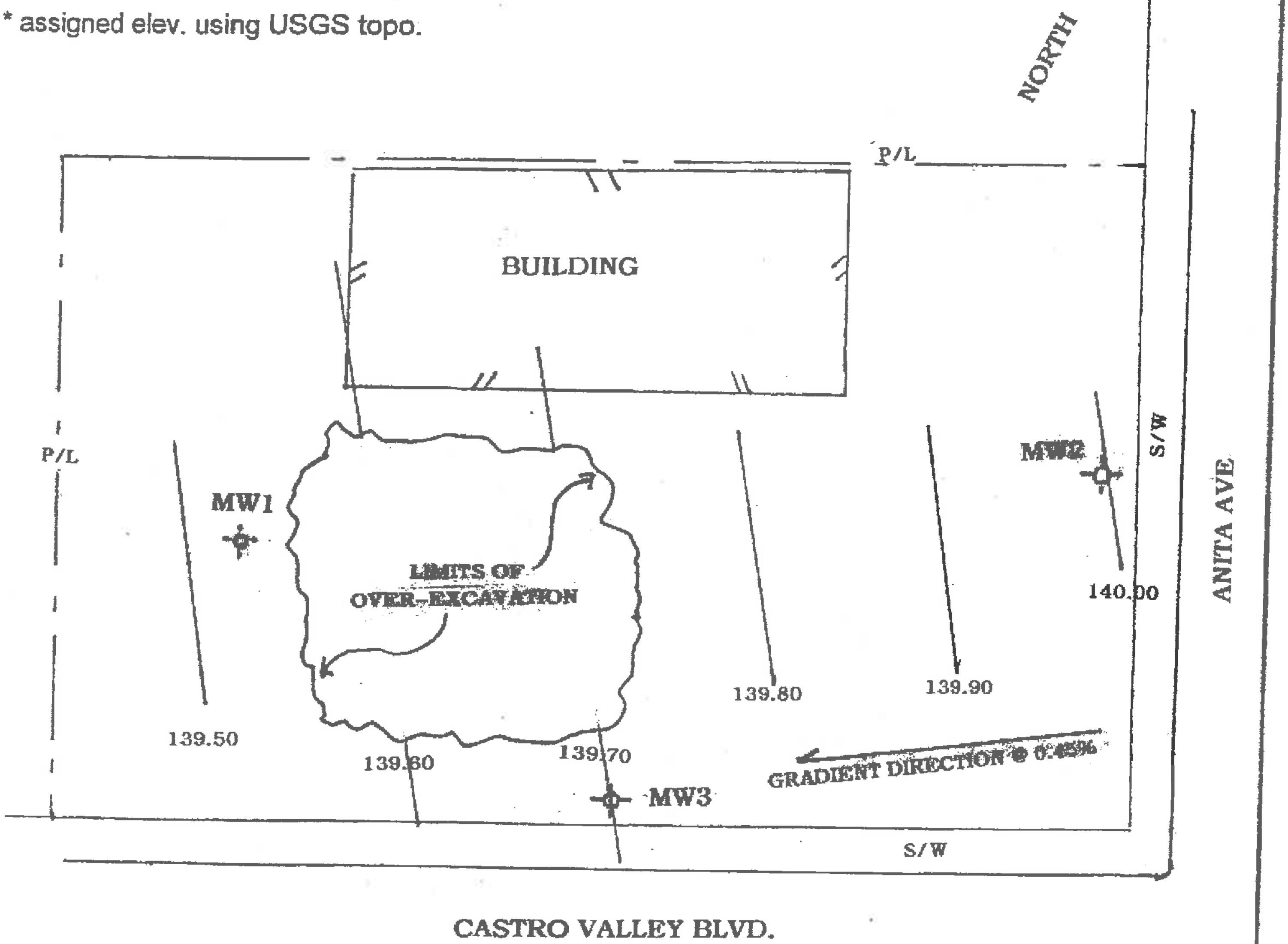
Checked by:	MW
Drawn by:	PC
Designed by:	MW
Surveyed by:	
Scale:	1"=20'
Date:	10-27-92
Job No.:	92020.02

ROBERT M. FROST
WATER LEVEL GRADIENT CONTOUR MAP
FIGURE 2
CASTRO VALLEY

SHEET 1 OF 1

Well#	Casing Elev.	Depth to Grndwtr.	Grndwtr. Elev.
MW1	150.11	10.57	139.54
MW2	150.66	10.67	139.99
MW3	150.00*	10.29	139.71

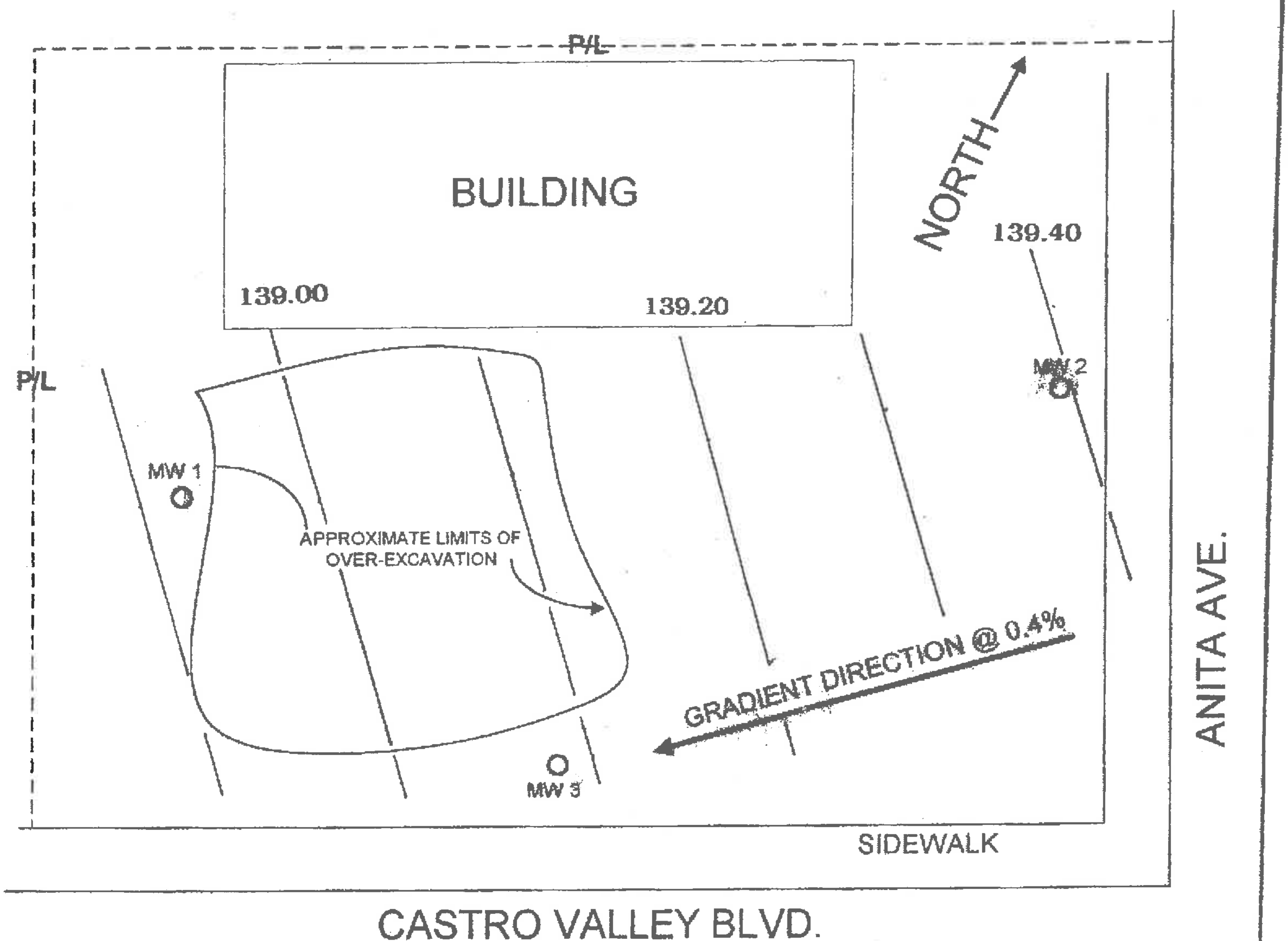
* assigned elev. using USGS topo.



SITE PLAN 2896 CASTRO VALLEY BLVD., CASTRO VALLEY, CA		
SCALE: 1"=20'	APPROVED BY:	DRAWN BY:
DATE: 8/16/99		REVISED
PIERS ENVIRONMENTAL SERVICES, INC.		
1330 S. BASCOM AVENUE, SUITE F, SAN JOSE, CA 95128		FIGURE 2

Well#	Casing Elev.	Depth to Grndwtr.	Grndwtr. Elev.
MW1	150.11	11.19	138.92
MW2	150.66	11.27	139.39
MW3	150.00*	10.92	139.08

*ASSIGNED ELEV. USING USGS. TOPO.



SITE PLAN 2896 CASTRO VALLEY BLVD., CASTRO VALLEY, CA		
SCALE: 1"=20'	APPROVED BY:	DRAWN BY:
DATE: 10/26/99		REVISED
PIERS ENVIRONMENTAL SERVICES, INC.		
1330 S. BASCOM AVENUE, SUITE F, SAN JOSE, CA 95128		FIGURE 2

TABLE 2
Groundwater Sample Analytical Results (ppb)
2896 Castro Valley Boulevard

Sample Number	Consul-tant	Sample Date	TPH-d	TOG	TPH-g	B	T	E	X	MT BE	Other
MW-1	ASE	10/9/90	NA	ND	ND	ND	ND	ND	ND		1
MW -1	ASE	10/26/90	NA	ND	ND	N	ND	ND	ND		
MW -1	C-REM	3/30/92	NA	<5000	310	1.5	0.76	7.1	1.5		2
MW-1	C-REM	9/25/92	<5	<5000	88	0.6	0.83	1.8	1.0		3
MW-1	CGS	4/9/97	ND	ND	ND	ND	ND	ND	ND		
MW-1	PIERS	4/20/99	ND	NA	ND	ND	ND	ND	0.55	ND	
MW-1	PIERS	7/14/99	ND	NA	ND	ND	ND	ND	ND	NA	
MW-1	PIERS	10/18/99	ND	NA	ND	ND	ND	ND	ND	NA	
MW-1	PIERS	1/4/00	ND	NA	ND	ND	ND	ND	ND	ND	
MW-2	ASE	10/9/90	NA	NA	ND	ND	ND	ND	ND		
MW-2	ASE	10/9/90	NA	ND	ND	ND	ND	ND	ND		
MW-2	C-REM	3/30/92	NA	NA	<30	<0.3	<0.3	<0.3	<0.3		
MW-2	C-REM	9/25/92	ND	ND	ND	ND	ND	ND	ND		
MW-2	CGS	4/9/97	ND	ND	ND	ND	ND	ND	ND		
MW-2	PIERS	4/20/99	ND	ND	ND	ND	ND	ND	ND	ND	
MW-2	PIERS	7/14/99	ND	ND	ND	ND	ND	ND	ND	NA	
MW-2	PIERS	10/18/99	ND	ND	ND	ND	ND	ND	ND	NA	
MW-2	PIERS	1/4/00	ND	ND	ND	ND	ND	ND	ND	ND	
MW-3	ASE	10/9/90	NA	NA	ND	ND	ND	ND	ND		
MW-3	ASE	10/26/90	NA	ND	ND	ND	ND	ND	ND		
MW-3	C-REM	3/30/92	NA	<5000	1,600	<3	<3	45	51		[illegible]
MW-3	C-REM	9/25/92	<5	<5000	210	ND	ND	17	15		[illegible]
MW-3	CGS	4/9/97	ND	NA	ND	ND	ND	ND	ND		

TABLE 2
Groundwater Sample Analytical Results (ppb)
2896 Castro Valley Boulevard

Sample Number	Consul-tant	Sample Date	TPH-d	TOG	TPH-g	B	T	E	X	MT BE	Other
MW-3	PIERS	4/20/99	ND	NA	ND	ND	ND	ND	ND		
MW-3	PIERS	7/14/99	ND	NA	ND	ND	ND	ND	ND		
MW-3	PIERS	10/18/99	ND	NA	ND	ND	ND	ND	ND	ND	
MW-3	PIERS	1/4/00	280	NA	ND	ND	ND	ND	ND	NA	
										NA	
EXC-GWS	Gentech	5/26/94	92	ND	ND	ND	ND	ND	ND	ND	

Notes:

NA	Not analyzed
ND	Not detected at or above the laboratory detection limit indicated. Detection Limits are 50 ppb for TPH-g & TPH-d and 0.5 ppb for BTEX and MTBE
TPH-g	Total petroleum hydrocarbons as gasoline
TPH-d	Total petroleum hydrocarbons as diesel
BTEX	Benzene, Toluene, Ethylbenzene, Total Xylenes
MTBE	Methyl tertiary butyl ether
1	Sample contained 44 ppb TOG, 70 ppb lead, 20 ppb zinc
2	Sample contained 3.9 ppb naphthalene, 0.99 ppb lead, 14 ppb arsenic
3	Sample contained 3.9 ppb naphthalene, 82 ppb arsenic, 130 ppb lead, 480 ppb chromium, 28 ppb selenium
4	Sample contained 44 ppb napthalene, 8.7 ppb 2-methylnapthalene, 16 ppb arsenic, 15 ppb lead
5	Sample contained 9.1 ppb napthalene, 2.8 ppb 2-methylnapthalene, 59 ppb arsenic, 81 ppb lead, 400 ppb chromium
TOG	Total Oil & Grease
EXC-GWS	Grab groundwater sample from tank excavation area

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 16, 1990

ChromaLab File No.: 1090059

AQUA SCIENCE ENGINEERS, INC.

Attn: Greg Gouvea

RE: Three water samples for Gasoline/BTEX analysis

Project Name: CASTRO VALLEY
Date Sampled: Oct. 9, 1990
Date Submitted: Oct. 9, 1990
Date Extracted: Oct. 15-16, 1990
Date Analyzed: Oct. 15-16,1990

RESULTS:

Sample No.	Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)
MW-1	N.D.	N.D.	N.D.	N.D.	N.D.
MW-2	N.D.	N.D.	N.D.	N.D.	N.D.
MW-3	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED RECOVERY	91.7%	98.6%	99.1%	103.5%	105.6%
DUP SPIKED REC	91.1%	89.3%	89.7%	90.0%	107.6%
DETECTION LIMIT	50	0.5	0.5	0.5	0.5
METHOD OF ANALYSIS	5030/ 8015	602	602	602	602

CHROMALAB, INC.

David Duong
Senior Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
415/831-1788 • Facsimile 415/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

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- Environmental Analysis
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- Drinking Water (#955)
- Waste Water
- Consultation

November 9, 1990

ChromaLab File No.: 1190009

AQUA SCIENCE ENGINEERS, INC.

Attn: Greg Gouvea

RE: One water sample for Diesel, Oil & Grease, Cadmium, Lead, and Zinc analysses

Project Name: CASTRO VALLEY DETAIL SHOP
Date Sampled: Oct. 30, 1990 Date Submitted: Nov. 2, 1990
Date Extracted: Nov. 5-9, 1990 Date Analyzed: Nov. 5-9, 1990

RESULTS:

Sample No.	Oil & Grease (mg/L)	Diesel (µg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Zinc (mg/L)
MW-1	N.D.	N.D.	N.D.	N.D.	0.07	0.020
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED REC.	----	111.8%	100.0%	102.5%	103.5%	99.1%
DETECTION LIMIT	1.0	50	0.005	0.05	0.05	0.005
METHOD OF ANALYSIS	5520 C&F	3510/ 8015	7130	7190	7420	7950

ChromaLab, Inc.

David Duong
Senior Chemist

Eric Tam
Laboratory Director

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- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

November 9, 1990 ChromaLab File # 1190009

Client: Aqua Science Engineers Attn: Greg Gouvea
Date Sampled: Oct. 30, 1990 Date Submitted: Nov. 02, 1990
Date of Analysis: Nov. 09, 1990

Project Name: Castro Valley Detail Shop
Sample I.D.: MW-1
Method of Analysis: EPA 601[illegible] Detection Limit: 0.5µg/L

COMPOUND NAME	µg/L	Spike Recovery
CHLOROMETHANE	N.D	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	98.5% 97.2%
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	101.3% 92.5%
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	108.3% 102.5%
TETRACHLOROETHENE	N.D.	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	92.8% 96.5%

ChromaLab, Inc.

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Senior Chemist

Eric Tam
Lab Director

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- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

November 8, 1990 ChromaLab File # 1190009

Client: Aqua Science Engineers Attn: Greg Gouvea
Date Sampled: Oct. 30, 1990 Date Submitted: Nov. 02, 1990
Date Extracted: Nov. 07, 1990 Date of Analysis: Nov. 8, 1990

Project Name: Castro Valley Detail Shop
Sample I.D.: MW-1
Method of Analysis: [redacted] Matrix: water

COMPOUND NAME	Sample mg/L	MDL mg/L	Spike Recovery
PHENOL	N.D.	0.01	-----
BIS(2-CHLOROETHYL) ETHER	N.D.	0.01	96.0%
2-CHLOROPHENOL	N.D.	0.01	-----
1,3-DICHLOROBENZENE	N.D.	0.01	-----
1,4-DICHLOROBENZENE	N.D.	0.01	-----
BENZYL ALCOHOL	N.D.	0.02	-----
1,2-DICHLOROBENZENE	N.D.	0.01	-----
2-METHYLPHENOL	N.D.	0.01	96.2%
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.01	-----
4-METHYLPHENOL	N.D.	0.01	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.01	-----
HEXACHLOROETHANE	N.D.	0.01	-----
NITROBENZENE	N.D.	0.01	-----
ISOPHORONE	N.D.	0.01	-----
2-NITROPHENOL	N.D.	0.01	-----
2,4-DIMETHYLPHENOL	N.D.	0.01	93.7%
BENZOIC ACID	N.D.	0.05	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.01	92.4%
2,4-DICHLOROPHENOL	N.D.	0.01	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.01	-----
NAPHTHALENE	N.D.	0.01	-----
4-CHLOROANILINE	N.D.	0.02	-----
HEXACHLOROBUTADIENE	N.D.	0.01	-----
4-CHLORO-3-METHYLPHENOL	N.D.	0.02	-----
2-METHYLNAPHTHALENE	N.D.	0.01	107.9%
HEXACHLOROCYCLOPENTADIENE	N.D.	0.01	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.01	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.01	-----
2-CHLORONAPHTHALENE	N.D.	0.01	-----
2-NITROANILINE	N.D.	0.05	-----
DIMETHYL PHTHALATE	N.D.	0.01	-----
ACENAPHTHYLENE	N.D.	0.01	-----
3-NITROANILINE	N.D.	0.05	-----
ACENAPHTHENE	N.D.	0.01	101.7%
2,4-DINITROPHENOL	N.D.	0.05	-----
4-NITROPHENOL	N.D.	0.05	-----
DIBENZOFURAN	N.D.	0.01	-----

(continued on next page)

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- Environmental Analysis
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- Drinking Water (#955)
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- Consultation

ChromaLab File # 1190009

Project Name: Castro Valley Detail Shop
Sample I.D.: MW-1
Method of Analysis: EPA 625 Matrix: water

COMPOUND NAME	Sample mg/L	MDL mg/L	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.01	-----
2,6-DINITROTOLUENE	N.D.	0.01	104.8%
DIETHYL PHTHALATE	N.D.	0.01	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.01	-----
FLUORENE	N.D.	0.01	-----
4-NITROANILINE	N.D.	0.05	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	0.05	-----
N-NITROSODIPHENYLAMINE	N.D.	0.01	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.01	-----
HEXACHLOROBENZENE	N.D.	0.01	-----
PENTACHLOROPHENOL	N.D.	0.05	111.6%
PHENANTHRENE	N.D.	0.01	-----
ANTHRACENE	N.D.	0.01	-----
DI-N-BUTYL PHTHALATE	N.D.	0.01	-----
FLUORANTHENE	N.D.	0.01	-----
PYRENE	N.D.	0.01	-----
BUTYLBENZYLPHTHALATE	N.D.	0.01	-----
3,3'-DICHLOROBENZIDINE	N.D.	0.02	-----
BENZO(A)ANTHRACENE	N.D.	0.01	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.01	-----
CHRYSENE	N.D.	0.01	100.5%
DI-N-OCTYLPHTHALATE	N.D.	0.01	-----
BENZO(B)FLUORANTHENE	N.D.	0.01	-----
BENZO(K)FLUORANTHENE	N.D.	0.01	-----
BENZO(A)PYRENE	N.D.	0.01	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.01	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.01	-----
BENZO(G,H,I)PERYLENE	N.D.	0.01	89.5%

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Federal ID #68-0140157

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers	Client Project ID: 2898 Castro Valley Blvd., Castro Valley	Sampled:	Sep 25, 1992
1820 Gateway Dr., Ste 100	Sample Matrix: Water	Received:	Sep 25, 1992
San Mateo, CA 94404	Analysis Method: EPA 5030/8015/8020	Reported:	Oct 12, 1992
Attention: Mark Woods	First Sample #: 209-4238		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit [illegible]	Sample I.D. 209-4238 MW-1	Sample I.D. 209-4239 MW-2	Sample I.D. 209-4240 MW-3	Sample I.D.	Sample I.D.	Sample I.D.
Purgeable Hydrocarbons	50	88	N.D.	[illegible]			
Benzene	0.50	0.61	N.D.	N.D.			
Toluene	0.50	0.63	N.D.	N.D.			
Ethyl Benzene	0.50	1.8	N.D.	17			
Total Xylenes	0.50	1.0	N.D.	15			
Chromatogram Pattern:		Gas	--	Gas			

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Analyzed:	10/8/92	10/5/92	10/5/92
Instrument Identification:	GCHP-1	GCHP-1	GCHP-1
Surrogate Recovery, %: (QC Limits = 70-130%)	89	102	106

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

Entech Analytical Labs, Inc.

CA ELAP# 1369

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Attn: Chris Solomon
CGS Sampling Specialists
1172 Delmas Street
San Jose, CA 95125

Date:	4/15/97
Date Received:	4/9/97
Date Analyzed:	4/10-4/13/97
Project:	Castro Samp.
P.O. #:	012372
Sampled By:	Client

Certified Analytical Report

Water Sample Analysis:

Test	*W-MW*	*E-MW*	*S-MW*	*Units*	*PQL*	*EPA Method #*
Sample Matrix	Water	Water	Water			
Sample Date	4/8/97	4/8/97	4/8/97			
Sample Time	9:00	9:28	9:54			
Lab #	D6439	D6440	D6441			
DF-Diesel	1	1	1			
TPH-Diesel	**ND**	**ND**	**ND**	µg/liter	50.0 µg/l	8015M
DF-Gas/BTEX	1	1	1			
TPH-Gas	**ND**	**ND**	**ND**	µg/liter	50.0 µg/l	8015M
Benzene	**ND**	**ND**	**ND**	µg/liter	0.5 µg/l	8020
Toluene	**ND**	**ND**	**ND**	µg/liter	0.5 µg/l	8020
Ethyl Benzene	**ND**	**ND**	**ND**	µg/liter	0.5 µg/l	8020
Xylenes	**ND**	**ND**	**ND**	µg/liter	0.5 µg/l	8020

1. DLR=DF x PQL
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting Limit

PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Piers Environmental Services
1330 South Bascom Avenue
San Jose, CA 95128
Attn: Ben Halsted

Date: 4/27/99
Date Received: 4/20/99
Project: Castro Valley Blvd.
PO #:
Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	[illegible]			MW2			MW3				
Sample Date	4/20/99			4/20/99			4/20/99				
Sample Time	10:07			11:17			12:01				
Lab #	G9619			G9620			G9621				
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method
Results in µg/Liter:											
Analysis Date	4/23/99			4/23/99			4/23/99				
TPH-Diesel	ND	1.0	50	ND	1.0	50	ND	1.0	50	50	8015M
Analysis Date	4/26/99			4/22/99			4/22/99				
TPH-Gas	ND	1.0	50	ND	1.0	50	ND	1.0	50	50	8015M
MTBE	ND	1.0	5.0	ND	1.0	5.0	ND	1.0	5.0	5.0	8020
Benzene	ND	1.0	0.50	ND	1.0	0.50	ND	1.0	0.50	0.50	8020
Toluene	ND	1.0	0.50	ND	1.0	0.50	ND	1.0	0.50	0.50	8020
Ethyl Benzene	ND	1.0	0.50	ND	1.0	0.50	ND	1.0	0.50	0.50	8020
Xylenes (total)	0.55	1.0	0.50	ND	1.0	0.50	ND	1.0	0.50	0.50	8020

DF=Dilution Factor ND=None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

Michelle L. Anderson, Lab Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Piers Environmental Services
1330 South Bascom Avenue
San Jose, CA 95128
Attn: Ben Halsted

Date: 7/21/99
Date Received: 7/14/99
Project: Castro Valley
PO #:
Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	MW#1			MW#2			MW#3				
Sample Date	7/14/99			7/14/99			7/14/99				
Sample Time	13:45			14:20			14:32				
Lab #	15235-001			15235-002			15235-003				
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method
Results in µg/Liter:											
Analysis Date	7/14/99			7/14/99			7/14/99				
TPH-Diesel	ND	1.0	50	ND	1.0	50	ND	1.0	50	50	8015M
Analysis Date	7/15/99			7/15/99			7/15/99				
TPH-Gas	ND	1.0	50	ND	1.0	50	ND	1.0	50	50	8015M
Benzene	ND	1.0	0.50	ND	1.0	0.50	ND	1.0	0.50	0.50	8020
Toluene	ND	1.0	0.50	ND	1.0	0.50	ND	1.0	0.50	0.50	8020
Ethyl Benzene	ND	1.0	0.50	ND	1.0	0.50	ND	1.0	0.50	0.50	8020
Xylenes (total)	ND	1.0	0.50	ND	1.0	0.50	ND	1.0	0.50	0.50	8020

DF=Dilution Factor ND= None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

Michelle Anderson, Lab Director

Environmental Analysis Since 1983

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

October 20, 1999 PEL # 9910005

PIERS ENVIRONMENTAL

Attn: Ben Halsted

Re: Three water samples for Gasoline/BTEX and Diesel analyses.

Project name: C.V.

Date sampled: Oct 14, 1999
Date extracted: Oct 18-19, 1999
Date submitted: Oct 18, 1999
Date analyzed: Oct 18-19, 1999

RESULTS:

SAMPLE I.D.	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)	Diesel (ug/L)
MW1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
MW2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
MW3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	87.6%	90.8%	91.2%	87.9%	101.3%	89.5%
Detection limit	50	0.5	0.5	0.5	0.5	50
Method of Analysis	5030/ 8015	602	602	602	602	3510/ 8015

David Duong

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

January 07, 2000

PEL # 0001003

PIERS ENVIRONMENTAL

Attn: Ben Halsted

Re: Three water samples for Gasoline/BTEX with MTBE and Diesel analyses.

Project name: C.V.

Date sampled: Jan 04, 2000
Date extracted: Jan 05-06, 2000

Date submitted: Jan 05, 2000
Date analyzed: Jan 05-06, 2000

RESULTS:

SAMPLE I.D.	Diesel (ug/L)	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)
MW 1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
MW 2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
MW 3	280	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	88.2%	90.1%	92.4%	87.0%	91.1%	106.0%	---
Detection limit	50	50	0.5	0.5	0.5	0.5	0.5
Method of Analysis	3510/ 8015	5030/ 8015	602	602	602	602	602

David Duong
Laboratory Director

AMER
Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 8015M

CLIENT:
GEN-TECH. ENVIRONMENTAL
1936 Camden Avenue
SAN JOSE, CA 95124
MATRIX: WATER
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Vallen S.S., Project # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Client I.D.	AMER I.D.	8015M/ TPH-GASOLINE	DF
EXC.-GWS.#1	E4053114	ND	1
Units		ug/l	
Detection Limits (DL)		50ug/l	

ND Not Detected. All analytes recorded as ND were found to be under the limit of detection.

Reviewed By

Lei Chen

Lei Chen, Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

AMER

Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 8020

CLIENT:
GEN-TECH. ENVIRONMENTAL
1936 Camden Avenue
SAN JOSE, CA 95124
MATRIX: WATER
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Vallen S.S., Project # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Client I.D.	AMER I.D.	Benzene	Toluene	Ethyl Benzene	Total Xylene	DF
EXC.-GWS.#1	E4053114	ND	ND	ND	ND	1
Units		ug/l	ug/l	ug/l	ug/l	
Detection Limits (DL)		0.5ug/l	0.5ug/l	0.5ug/l	1.0ug/l	

ND Not Detected. All analytes recorded as ND were found to be under the limit of detection.

Reviewed By

Lei Chen

Lei Chen, Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 8015M

CLIENT:
GEN-TECH. ENVIRONMENTAL
1936 Camden Avenue
SAN JOSE, CA 95124
MATRIX: WATER
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Vallen S.S., Project # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Client I.D.	AMER I.D.	8015M/ TPH-DIESEL	DF
EXC.-GWS.#1	E4053114	92	1
Units		ug/l	
Detection Limits (DL)		50ug/l	

ND Not Detected. All analytes recorded as ND were found to be under the limit of detection.

Reviewed By

Lei Chen

Lei Chen, Laboratory Manager

AMER

Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHODS 5520F (TOG)

GEN-TECH ENVIRONMENTAL
1936 Camden Avenue, #1
San Jose, CA 95124
MATRIX: WATER
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Valley S.S., # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Client I.D.	AMER I.D.	5520F TOG	DF
EXC.-GWS.#1	E4053114	ND	1
Units		mg/kg	
Detection Limits (DL)		5.0mg/kg	

ND Not Detected. All analytes recorded as ND were found to be under the limit of detection.

Reported by:

Lei Chen

Lei Chen, Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

AMER

Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 6000/7000

CLIENT:
GEN-TECH. ENVIRONMENTAL
1936 Camden Avenue
SAN JOSE, CA 95124
MATRIX: WATER
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Vallen S.S., Project # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Metal Analysis: Cadmium (Cd)
Sample Matrix: WATER
Dilution Factor: 1

Client I.D.	AMER I.D.	Metal Concentration	Detection Limit	Units
EXC.-GWS.#1	E4053114	0.01	0.01	mg/l

ND = Not Detected. Analyte reported as ND was not present above the stated limit of detection.

Reported by:

Lei Chen

Lei Chen, Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

AMER
Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 6000/7000

CLIENT:
GEN-TECH. ENVIRONMENTAL
1936 Camden Avenue
SAN JOSE, CA 95124
MATRIX: WATER
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Vallen S.S., Project # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Metal Analysis: Chromium (Cr)
Sample Matrix: WATER
Dilution Factor: 1

Client I.D.	AMER I.D.	Metal Concentration	Detection Limit	Units
EXC.-GWS.#1	E4053114	0.05	0.03	mg/l

ND = Not Detected. Analyte reported as ND was not present above the stated limit of detection.

Reported by:

Lei Chen

Lei Chen, Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

AMER
Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 6000/7000

CLIENT:
GEN-TECH. ENVIRONMENTAL
1936 Camden Avenue
SAN JOSE, CA 95124
MATRIX: WATER
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Vallen S.S., Project # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Metal Analysis: Lead (Pb)
Sample Matrix: WATER
Dilution Factor: 1

Client I.D.	AMER I.D.	Metal Concentration	Detection Limit	Units
EXC.-GWS.#1	E4053114	ND	0.4	mg/l

ND = Not Detected. Analyte reported as ND was not present above the stated limit of detection.

Reported by:

Lei Chen

Lei Chen, Laboratory Manager

AMER

Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 6000/7000

CLIENT:
GEN-TECH ENVIRONMENTAL
1936 Camden Avenue, #1
San Jose, CA 95124
MATRIX: WATER
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Valley S.S., # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Metal Analysis: Zinc (Zn)
Sample Matrix: WATER
Dilution Factor: 1

Client I.D.	AMER I.D.	Metal Concentration	Detection Limit	Units
EXC.-GWS.#1	E4053114	46	20	mg/l

ND = Not Detected. Analyte reported as ND was not present above the stated limit of detection.

Reported by:

Lei Chen, Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

C-REM

APR 16 1992

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SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valley	Sampled:	Mar 30, 1992
1820 Gateway Dr., Ste 100	Sample Descript: Water, ~~MW-1~~	Received:	Mar 30, 1992
San Mateo, CA 94404	Analysis Method: EPA 8270 ✓	Extracted:	Apr 1, 1992
Attention: Mark Woods	Lab Number: 203-5196	Analyzed:	Apr 8, 1992
		Reported:	Apr 14, 1992

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acenaphthene	2.0	N.D.
Acenaphthylene	2.0	N.D.
Aniline	2.0	N.D.
Anthracene	2.0	N.D.
Benzidine	50	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	2.0	N.D.
Benzo(b)fluoranthene	2.0	N.D.
Benzo(k)fluoranthene	2.0	N.D.
Benzo(g,h,i)perylene	2.0	N.D.
Benzo(a)pyrene	2.0	N.D.
Benzyl alcohol	2.0	N.D.
Bis(2-chloroethoxy)methane	2.0	N.D.
Bis(2-chloroethyl)ether	2.0	N.D.
Bis(2-chloroisopropyl)ether	2.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	2.0	N.D.
Butyl benzyl phthalate	2.0	N.D.
4-Chloroaniline	2.0	N.D.
2-Chloronaphthalene	2.0	N.D.
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
4-Chlorophenyl phenyl ether	2.0	N.D.
Chrysene	2.0	N.D.
Dibenz(a,h)anthracene	2.0	N.D.
Dibenzofuran	2.0	N.D.
Di-N-butyl phthalate	10	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	2.0	N.D.
Diethyl phthalate	2.0	N.D.
2,4-Dimethylphenol	2.0	N.D.
Dimethyl phthalate	2.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valle	Sampled:	Mar 30, 1992
1820 Gateway Dr., Ste 100	Sample Descript: Water, MW-1	Received:	Mar 30, 1992
San Mateo, CA 94404	Analysis Method: EPA 8270	Extracted:	Apr 1, 1992
Attention: Mark Woods	Lab Number: 203-5196	Analyzed:	Apr 8, 1992
		Reported:	Apr 14, 1992

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
2,4-Dinitrotoluene	2.0	N.D.
2,6-Dinitrotoluene	2.0	N.D.
Di-N-octyl phthalate	2.0	N.D.
Fluoranthene	2.0	N.D.
Fluorene	2.0	N.D.
Hexachlorobenzene	2.0	N.D.
Hexachlorobutadiene	2.0	N.D.
Hexachlorocyclopentadiene	2.0	N.D.
Hexachloroethane	2.0	N.D.
Indeno(1,2,3-cd)pyrene	2.0	N.D.
Isophorone	2.0	N.D.
2-Methylnaphthalene	2.0	N.D.
2-Methylphenol	2.0	N.D.
4-Methylphenol	2.0	N.D.
Naphthalene	2.0	3.9
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	2.0	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	10	N.D.
N-Nitrosodiphenylamine	2.0	N.D.
N-Nitroso-di-N-propylamine	2.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	2.0	N.D.
Phenol	2.0	N.D.
Pyrene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valley	Sampled:	Mar 30, 1992
1820 Gateway Dr., Ste 100	Sample Descript: Water, MW-2	Received:	Mar 30, 1992
San Mateo, CA 94404	Analysis Method: EPA 8270	Extracted:	Apr 1, 1992
Attention: Mark Woods	Lab Number: 203-5198	Analyzed:	Apr 8, 1992
		Reported:	Apr 14, 1992

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acenaphthene	2.0	N.D.
Acenaphthylene	2.0	N.D.
Aniline	2.0	N.D.
Anthracene	2.0	N.D.
Benzidine	50	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	2.0	N.D.
Benzo(b)fluoranthene	2.0	N.D.
Benzo(k)fluoranthene	2.0	N.D.
Benzo(g,h,i)perylene	2.0	N.D.
Benzo(a)pyrene	2.0	N.D.
Benzyl alcohol	2.0	N.D.
Bis(2-chloroethoxy)methane	2.0	N.D.
Bis(2-chloroethyl)ether	2.0	N.D.
Bis(2-chloroisopropyl)ether	2.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	2.0	N.D.
Butyl benzyl phthalate	2.0	N.D.
4-Chloroaniline	2.0	N.D.
2-Chloronaphthalene	2.0	N.D.
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
4-Chlorophenyl phenyl ether	2.0	N.D.
Chrysene	2.0	N.D.
Dibenz(a,h)anthracene	2.0	N.D.
Dibenzofuran	2.0	N.D.
Di-N-butyl phthalate	10	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	2.0	N.D.
Diethyl phthalate	2.0	N.D.
2,4-Dimethylphenol	2.0	N.D.
Dimethyl phthalate	2.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valley	Sampled:	Mar 30, 1992
1820 Gateway Dr., Ste 100	Sample Descript: Water, MW-3	Received:	Mar 30, 1992
San Mateo, CA 94404	Analysis Method: EPA 8270	Extracted:	Apr 1, 1992
Attention: Mark Woods	Lab Number: 203-5198	Analyzed:	Apr 8, 1992
		Reported:	Apr 30, 1992

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
2,4-Dinitrotoluene	2.0	N.D.
2,6-Dinitrotoluene	2.0	N.D.
Di-N-octyl phthalate	2.0	N.D.
Fluoranthene	2.0	N.D.
Fluorene	2.0	N.D.
Hexachlorobenzene	2.0	N.D.
Hexachlorobutadiene	2.0	N.D.
Hexachlorocyclopentadiene	2.0	N.D.
Hexachloroethane	2.0	N.D.
Indeno(1,2,3-cd)pyrene	2.0	N.D.
Isophorone	2.0	N.D.
2-Methylnaphthalene	2.0	8.7
2-Methylphenol	2.0	N.D.
4-Methylphenol	2.0	N.D.
Naphthalene	2.0	14
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	2.0	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	10	N.D.
N-Nitrosodiphenylamine	2.0	N.D.
N-Nitroso-di-N-propylamine	2.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	2.0	N.D.
Phenol	2.0	N.D.
Pyrene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

N. W. D. H.

Nokowhat D. Herrera
Project Manager

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers 1820 Gateway Dr., Ste 100 San Mateo, CA 94404 Attention: Mark Woods	Client Project ID: 2896 Castro [redacted], Castro Valley Sample Descript[redacted] Lab Number: 203-5196	Sampled: Mar 30, 1992 Received: Mar 30, 1992 Analyzed: 4/1-9/92 Reported: Apr 14, 1992

LABORATORY ANALYSIS: DISSOLVED METALS

Analyte	Detection Limit mg/L	Sample Results mg/L
Arsenic	0.0050	0.014
Chromium	0.010	N.D.
Lead	0.0050	0.0099
Selenium	0.0050	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valley	Sampled:	Mar 30, 1992
1820 Gateway Dr., Ste 100	Sample Descript: [redacted]	Received:	Mar 30, 1992
San Mateo, CA 94404		Analyzed:	4/1-9/92
Attention: Mark Woods	Lab Number: 203-5198	Reported:	Apr 14, 1992

LABORATORY ANALYSIS: DISSOLVED METALS

Analyte	Detection Limit mg/L	Sample Results mg/L
Arsenic	0.0050	0.016 ✓
Chromium	0.010	N.D.
Lead	0.0050	0.015
Selenium	0.0050	N.D.

MCL 50ppb 16ppb As
↓ 50ppb 15ppb Pb

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valley	Sampled: Sep 25, 1992
1820 Gateway Dr., Ste 100	Sample Descript: Water, MW-1	Received: Sep 25, 1992
San Mateo, CA 94404	Analysis Method: EPA 8270	Extracted: Sep 29, 1992
Attention: Mark Woods	Lab Number: 209-4238	Analyzed: Oct 2, 1992
		Reported: Oct 12, 1992

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acenaphthene	2.0	N.D.
Acenaphthylene	2.0	N.D.
Aniline	2.0	N.D.
Anthracene	2.0	N.D.
Benzidine	50	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	2.0	N.D.
Benzo(b)fluoranthene	2.0	N.D.
Benzo(k)fluoranthene	2.0	N.D.
Benzo(g,h,i)perylene	2.0	N.D.
Benzo(a)pyrene	2.0	N.D.
Benzyl alcohol	2.0	N.D.
Bis(2-chloroethoxy)methane	2.0	N.D.
Bis(2-chloroethyl)ether	2.0	N.D.
Bis(2-chloroisopropyl)ether	2.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	2.0	N.D.
Butyl benzyl phthalate	2.0	N.D.
4-Chloroaniline	2.0	N.D.
2-Chloronaphthalene	2.0	N.D.
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
4-Chlorophenyl phenyl ether	2.0	N.D.
Chrysene	2.0	N.D.
Dibenz(a,h)anthracene	2.0	N.D.
Dibenzofuran	2.0	N.D.
Di-N-butyl phthalate	10	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	2.0	N.D.
Diethyl phthalate	2.0	N.D.
2,4-Dimethylphenol	2.0	N.D.
Dimethyl phthalate	2.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.

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(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers	Client Project ID:	2896 Castro Valley Blvd., Castro Valley	Sampled:	Sep 25, 1992
1820 Gateway Dr., Ste 100	Sample Descript:	Water, MW-1	Received:	Sep 25, 1992
San Mateo, CA 94404	Analysis Method:	EPA 8270	Extracted:	Sep 29, 1992
Attention: Mark Woods	Lab Number:	209-4238	Analyzed:	Oct 2, 1992
			Reported:	Oct 12, 1992

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
2,4-Dinitrotoluene	2.0	N.D.
2,6-Dinitrotoluene	2.0	N.D.
Di-N-octyl phthalate	2.0	N.D.
Fluoranthene	2.0	N.D.
Fluorene	2.0	N.D.
Hexachlorobenzene	2.0	N.D.
Hexachlorobutadiene	2.0	N.D.
Hexachlorocyclopentadiene	2.0	N.D.
Hexachloroethane	2.0	N.D.
Indeno(1,2,3-cd)pyrene	2.0	N.D.
Isophorone	2.0	N.D.
2-Methylnaphthalene	2.0	N.D.
2-Methylphenol	2.0	N.D.
4-Methylphenol	2.0	N.D.
Naphthalene	2.0	N.D.
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	2.0	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	10	N.D.
N-Nitrosodiphenylamine	2.0	N.D.
N-Nitroso-di-N-propylamine	2.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	2.0	N.D.
Phenol	2.0	N.D.
Pyrene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

SEQUOIA ANALYTICAL
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(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valley	Sampled:	Sep 25, 1992
1820 Gateway Dr., Ste 100	Sample Descript: Water, MW-3	Received:	Sep 25, 1992
San Mateo, CA 94404	Analysis Method: EPA 8270	Extracted:	Sep 29, 1992
Attention: Mark Woods	Lab Number: 209-4240	Analyzed:	Oct 4, 1992
		Reported:	Oct 12, 1992

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acenaphthene	2.0	N.D.
Acenaphthylene	2.0	N.D.
Aniline	2.0	N.D.
Anthracene	2.0	N.D.
Benzidine	50	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	2.0	N.D.
Benzo(b)fluoranthene	2.0	N.D.
Benzo(k)fluoranthene	2.0	N.D.
Benzo(g,h,i)perylene	2.0	N.D.
Benzo(a)pyrene	2.0	N.D.
Benzyl alcohol	2.0	N.D.
Bis(2-chloroethoxy)methane	2.0	N.D.
Bis(2-chloroethyl)ether	2.0	N.D.
Bis(2-chloroisopropyl)ether	2.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	2.0	N.D.
Butyl benzyl phthalate	2.0	N.D.
4-Chloroaniline	2.0	N.D.
2-Chloronaphthalene	2.0	N.D.
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
4-Chlorophenyl phenyl ether	2.0	N.D.
Chrysene	2.0	N.D.
Dibenz(a,h)anthracene	2.0	N.D.
Dibenzofuran	2.0	N.D.
Di-N-butyl phthalate	10	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	2.0	N.D.
Diethyl phthalate	2.0	N.D.
2,4-Dimethylphenol	2.0	N.D.
Dimethyl phthalate	2.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.

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C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valley	Sampled:	Sep 25, 1992
1820 Gateway Dr., Ste 100	Sample Descript: Water, MW-3	Received:	Sep 25, 1992
San Mateo, CA 94404	Analysis Method: EPA 8270	Extracted:	Sep 29, 1992
Attention: Mark Woods	Lab Number: 209-4240	Analyzed:	Oct 4, 1992
		Reported:	Oct 12, 1992

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
2,4-Dinitrotoluene	2.0	N.D.
2,6-Dinitrotoluene	2.0	N.D.
Di-N-octyl phthalate	2.0	N.D.
Fluoranthene	2.0	N.D.
Fluorene	2.0	N.D.
Hexachlorobenzene	2.0	N.D.
Hexachlorobutadiene	2.0	N.D.
Hexachlorocyclopentadiene	2.0	N.D.
Hexachloroethane	2.0	N.D.
Indeno(1,2,3-cd)pyrene	2.0	N.D.
Isophorone	2.0	N.D.
2-Methylnaphthalene	2.0	2.8
2-Methylphenol	2.0	N.D.
4-Methylphenol	2.0	N.D.
Naphthalene	2.0	9.1
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	2.0	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	10	N.D.
N-Nitrosodiphenylamine	2.0	N.D.
N-Nitroso-di-N-propylamine	2.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	2.0	N.D.
Phenol	2.0	N.D.
Pyrene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

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SEQUOIA ANALYTICAL

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(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valley	Sampled:	Sep 25, 1992
1820 Gateway Dr., Ste 100	Sample Descript: Water, MW-1	Received:	Sep 25, 1992
San Mateo, CA 94404		Analyzed:	see below
Attention: Mark Woods	Lab Number: 209-4238	Reported:	Oct 12, 1992

LABORATORY ANALYSIS

Analyte	Date Analyzed	Detection Limit mg/L	Sample Result mg/L
Arsenic	10/9/92	0.0050	0.082
Lead	9/30/92	0.0050	0.13
Chromium	10/8/92	0.010	0.48
Selenium	10/9/92	0.0050	0.028

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

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C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valley	Sampled:	Sep 25, 1992
1820 Gateway Dr., Ste 100	Sample Descript: Water, MW-3	Received:	Sep 25, 1992
San Mateo, CA 94404		Analyzed:	see below
Attention: Mark Woods	Lab Number: 209-4240	Reported:	Oct 12, 1992

LABORATORY ANALYSIS

Analyte	Date Analyzed	Detection Limit mg/L	Sample Result mg/L
Arsenic	10/9/92	0.0050	0.059
Lead	9/30/92	0.0050	0.081
Chromium	10/8/92	0.010	0.40
Selenium	10/9/92	0.025 *	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
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Please Note:
* - Detection limit raised due to matrix interferences.

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C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valley	Sampled:	Mar 30, 1992
1820 Gateway Dr., Ste 100	Sample Descript: Water	Time:	1:30 pm
San Mateo, CA 94404	Analysis for: Water Table Level		
Attention: Mark Woods	First Sample #: 203-5196	Reported:	Apr 30, 1992

LABORATORY ANALYSIS FOR: Water Table Level

Sample Number	Sample Description	Sample Result feet
203-5196	MW-1	9.2'
203-5197	MW-2	9.15'
203-5198	MW-3	9.3'

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

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(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valley	Sampled:	Apr 29, 1992
1820 Gateway Dr., Ste 100	Sample Descript: Water	Time:	3:00 pm
San Mateo, CA 94404	Analysis for: Water Table Level		
Attention: Mark Woods	First Sample #: 204-5382	Reported:	Apr 30, 1992

LABORATORY ANALYSIS FOR: Water Table Level

Sample Number	Sample Description	Sample Result feet
204-5382	MW-1	10.55'
204-5383	MW-2	10.7'
204-5384	MW-3	11.0'

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

C-Rem Engineers	Client Project ID: 2896 Castro Valley Blvd., Castro Valley	Sampled:	Sep 25, 1992
1820 Gateway Dr., Ste 100	Sample Descript: Water	Time:	10:45 am
San Mateo, CA 94404	Analysis for: Water Table Level		
Attention: Mark Woods	First Sample #: 209-4238	Analyzed:	
		Reported:	Oct 12, 1992

LABORATORY ANALYSIS FOR: Water Table Level

Sample Number	Sample Description	Sample Result feet
209-4238	MW-1	10.7'
209-4239	MW-2	10.8'
209-4240	MW-3	10.4'

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

WATER LEVEL ELEVATION

2896 Castro Valley Boulevard

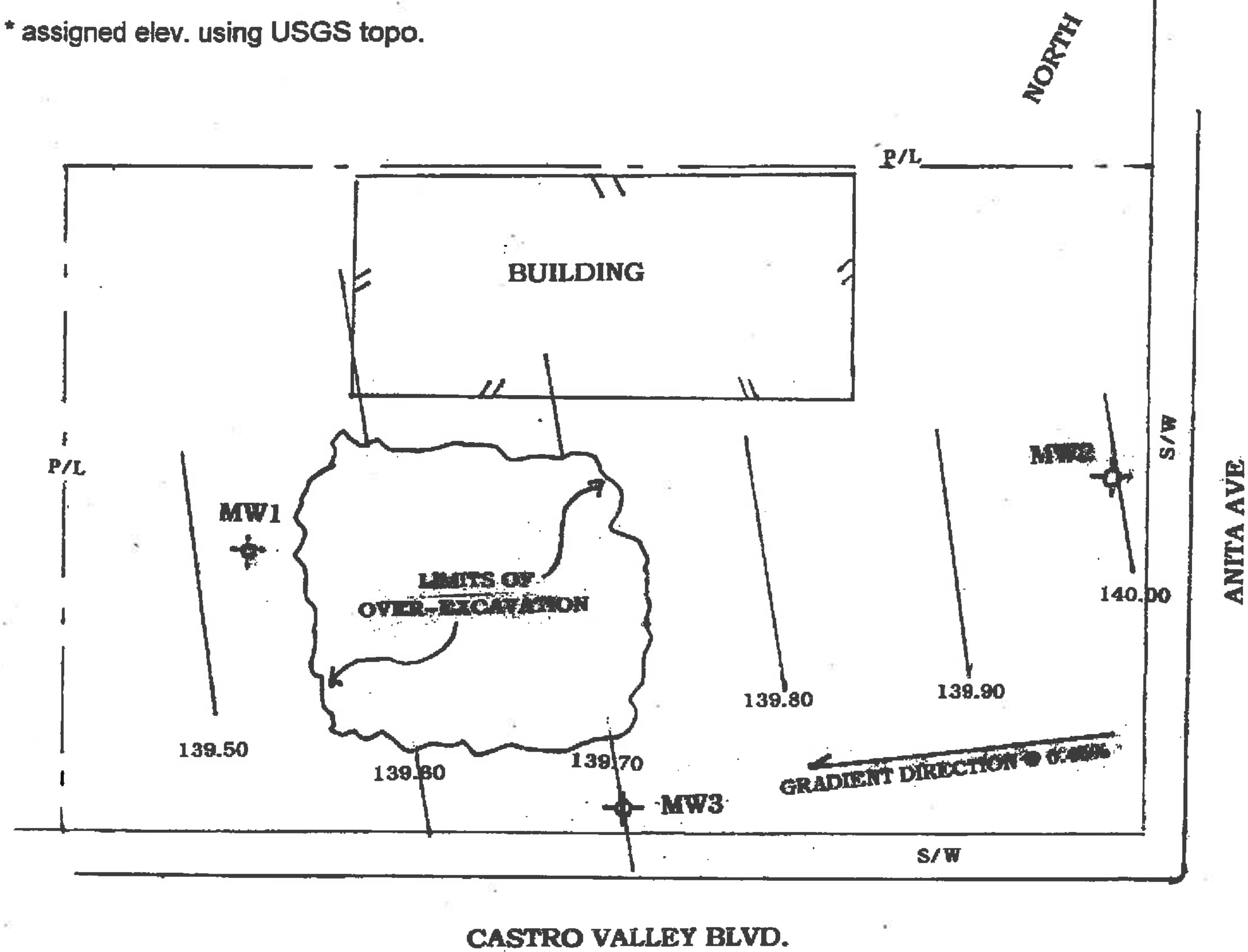
Job No. 92020.02
October 27, 1992

DATE	MW-1	MW-2	MW-3
03-30-92	158.03	158.80	158.59
04-29-92	156.68	157.25	156.09
09-25-92	156.53	157.15	156.69
10-26-92	156.49	157.18	156.64

J:\92020\GWSELEV.TBL

Well#	Casing Elev.	Depth to Grndwtr.	Grndwtr. Elev.
MW1	150.11	10.57	139.54
MW2	150.66	10.67	139.99
MW3	150.00*	10.29	139.71

* assigned elev. using USGS topo.



SITE PLAN

2896 CASTRO VALLEY BLVD., CASTRO VALLEY, CA

SCALE: 1"=20'	APPROVED BY:	DRAWN BY:
DATE: 8/16/99		REVISED

PIERS ENVIRONMENTAL SERVICES, INC.

1330 S. BASCOM AVENUE, SUITE F, SAN JOSE, CA 95128	**FIGURE 2**

SAMPLING SPECIALISTS COMPANY
INDEPENDENT THIRD PARTY SAMPLING & ANALYSIS
COMPLETE WELL DEVELOPMENT SERVICES

ENVIRONMENTAL SAMPLE COLLECTION SPECIALISTS
AIR, LIQUID AND SOLID SAMPLING

COMPLETE BAILING, PURGING AND SAMPLING SERVICE FOR MONITORING, RECOVERY AND VADOSE WELLS IN THE FOLLOWING STATES: CALIFORNIA, NEVADA, OREGON, WASHINGTON, ARIZONA, IDAHO AND UTAH

Office Locations
3146 Manor Avenue
Walnut Creek, California 94596

12003 49th Street North
Building 307
Clearwater, Florida 34622

1-(415)-932-4356 Office
1-(415)-932-4256 Fax

MONITORING WELL FIELD NOTES

CASTRO VALLEY, CA	PROJECT NAME
1017-038-027	PROJECT NUMBER
[redacted]	DATE OF SAMPLING ACTIVITIES
TF / JP	BY (SAMPLING TECHNICIANS)
[redacted]	CLIENT'S MONITORING/RECOVERY/ VADOSE WELL NUMBER
CLIENT TO PROVIDE	TOP OF CASING ELEVATION (Provided By Client)
[redacted]'	DEPTH TO WATER FROM WELL CASING BEFORE BAILING
20'	TOTAL DEPTH OF USABLE COLUMN (TO NEAREST FOOT MARKING)
2"	DIAMETER OF MONITORING/RECOVERY/ VADOSE WELL
09.36'	AMOUNT OF WELL COLUMN IN WATER (INCLUDING OIL INTERFACE)
07.96 GALLONS	REQUIRED AMOUNT OF GROUNDWATER TO PURGE FROM WELL IS
10 GALLONS	APPROXIMATE AMOUNT GROUNDWATER REMOVED FROM WELL
GRADE LEVEL MANWAY	TYPE OF SEAL AT GRADE (VANDAL PROOF MANWAY LID/ELEVATED STOVEPIPE)
YES	IS SEAL AT GRADE WATER TIGHT
2" WING NUT PLUG	TYPE OF CAP
YES	IS CAP WATER TIGHT

4	NUMBER OF SAMPLES COLLECTED (40mil VOA FOR GAS/BTEX AND Liters For Diesel
NO	DID 40 mil VOA CONTAINERS HAVE HEADSPACE BEFORE DELIVERY TO LABORATORY
YES	WERE CONTAINERS KEPT ON ICE PRIOR TO BEING DELIVERED TO LABORATORY
YES	WAS THERE A QA / QC SAMPLER BLANK SAMPLE COLLECTED

(All Groundwater Samples Collected Within 300 Miles From Bay Area Are Kept On Ice And Delivered To The Laboratory For Analysis In Less Than 24 Hours After being Collected, All others Are Delivered Within 48 Hours.)

79.40	SAMPLE TEMPERATURE (F) (Special Request)
07.10	SAMPLE PH LEVEL (Special Request)
NR	SAMPLE CONDUCTIVITY (Special Request)
NR	SAMPLE TURBIDITY (Special Request)

NA	CONDITION OF WATER DURING DEVELOPMENT (IF APPLIES)
CLOUDY	CONDITION OF WATER DURING INITIAL BAILING PERIOD
CLOUDY	CONDITION OF WATER FOR SAMPLE
NO	DID BAILED PRODUCT HAVE ANY TYPE OF PETROLEUM ODOR
NA	DOES WELL NEED REDEVELOPED

TPH/GAS/BTEX	TYPE OF ANALYSIS REQUESTED
NORMAL	TURNAROUND TIME REQUESTED
DISPOSABLE	TYPE OF BAILER USED
NO	WAS BAILER CLEANED IN FIELD

This monitoring well field guide is provided to give you the necessary answers to questions you might have concerning the condition of the well. Any recommendations that we make are solely based on knowledge gained from a visual inspection of the well during bailing and sampling. On request we would furnish a cost estimate to complete any recommendations that we made. If you have any further questions concerning this well please call our office for assistance.

SAMPLING SPECIALISTS COMPANY
INDEPENDENT THIRD PARTY SAMPLING & ANALYSIS
COMPLETE WELL DEVELOPMENT SERVICES

ENVIRONMENTAL SAMPLE
COLLECTION SPECIALISTS
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Building 307
Clearwater, Florida 34622

1-(415)-932-4356 Office
1-(415)-932-4256 Fax

MONITORING WELL FIELD NOTES

CASTRO VALLEY, CA	PROJECT NAME
1017-038-027	PROJECT NUMBER
10/09/90	DATE OF SAMPLING ACTIVITIES
TF / JP	BY (SAMPLING TECHNICIANS)
[redacted]	CLIENT'S MONITORING/RECOVERY/ VADOSE WELL NUMBER
CLIENT TO PROVIDE	TOP OF CASING ELEVATION (Provided By Client)
10.71'	DEPTH TO WATER FROM WELL CASING BEFORE BAILING
20'	TOTAL DEPTH OF USABLE COLUMN (TO NEAREST FOOT MARKING)
2"	DIAMETER OF MONITORING/RECOVERY/ VADOSE WELL
09.29'	AMOUNT OF WELL COLUMN IN WATER (INCLUDING OIL INTERFACE)
07.90 GALLONS	REQUIRED AMOUNT OF GROUNDWATER TO PURGE FROM WELL IS
10 GALLONS	APPROXIMATE AMOUNT GROUNDWATER REMOVED FROM WELL
GRADE LEVEL MANWAY	TYPE OF SEAL AT GRADE (VANDAL PROOF MANWAY LID/ELEVATED STOVEPIPE)
YES	IS SEAL AT GRADE WATER TIGHT
2" WING NUT PLUG	TYPE OF CAP
YES	IS CAP WATER TIGHT

4	NUMBER OF SAMPLES COLLECTED (40mil VOA FOR GAS/BTEX AND Liters For Diesel
NO	DID 40 mil VOA CONTAINERS HAVE HEADSPACE BEFORE DELIVERY TO LABORATORY
YES	WERE CONTAINERS KEPT ON ICE PRIOR TO BEING DELIVERED TO LABORATORY
YES	WAS THERE A QA / QC SAMPLER BLANK SAMPLE COLLECTED

(All Groundwater Samples Collected Within 300 Miles From Bay Area Are Kept On ice And Delivered To The Laboratory For Analysis In Less Than 24 Hours After being Collected, All others Are Delivered Within 48 Hours.)

79.40	SAMPLE TEMPERATURE (F) (Special Request)
07.10	SAMPLE PH LEVEL (Special Request)
NR	SAMPLE CONDUCTIVITY (Special Request)
NR	SAMPLE TURBIDITY (Special Request)

NA	CONDITION OF WATER DURING DEVELOPMENT (IF APPLIES)
CLEAR	CONDITION OF WATER DURING INITIAL BAILING PERIOD
CLEAR	CONDITION OF WATER FOR SAMPLE
NO	DID BAILED PRODUCT HAVE ANY TYPE OF PETROLEUM ODOR
NA	DOES WELL NEED REDEVELOPED

TPH/GAS/BTEX	TYPE OF ANALYSIS REQUESTED
NORMAL	TURNAROUND TIME REQUESTED
DISPOSABLE	TYPE OF BAILER USED
NO	WAS BAILER CLEANED IN FIELD

This monitoring well field guide is provided to give you the necessary answers to questions you might have concerning the condition of the well. Any recommendations that we make are solely based on knowledge gained from a visual inspection of the well during bailing and sampling. On request we would furnish a cost estimate to complete any recommendations that we made. If you have any further questions concerning this well please call our office for assistance.

1017-038-027.001

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MONITORING WELL FIELD NOTES

CASTRO VALLEY, CA	PROJECT NAME
1017-038-027	PROJECT NUMBER
10/09/90	DATE OF SAMPLING ACTIVITIES
TF / JP	BY (SAMPLING TECHNICIANS)
[redacted]	CLIENT'S MONITORING/RECOVERY/ VADOSE WELL NUMBER
CLIENT TO PROVIDE	TOP OF CASING ELEVATION (Provided By Client)
[redacted]	DEPTH TO WATER FROM WELL CASING BEFORE BAILING
20'	TOTAL DEPTH OF USABLE COLUMN (TO NEAREST FOOT MARKING)
2"	DIAMETER OF MONITORING/RECOVERY/ VADOSE WELL
09.64'	AMOUNT OF WELL COLUMN IN WATER (INCLUDING OIL INTERFACE)
08.19 GALLONS	REQUIRED AMOUNT OF GROUNDWATER TO PURGE FROM WELL IS
10 GALLONS	APPROXIMATE AMOUNT GROUNDWATER REMOVED FROM WELL
GRADE LEVEL MANWAY	TYPE OF SEAL AT GRADE (VANDAL PROOF MANWAY LID/ELEVATED STOVEPIPE)
YES	IS SEAL AT GRADE WATER TIGHT
2" WING NUT PLUG	TYPE OF CAP
YES	IS CAP WATER TIGHT

4	NUMBER OF SAMPLES COLLECTED (40mil VOA FOR GAS/BTEX AND Liters For Diesel
NO	DID 40 mil VOA CONTAINERS HAVE HEADSPACE BEFORE DELIVERY TO LABORATORY
YES	WERE CONTAINERS KEPT ON ICE PRIOR TO BEING DELIVERED TO LABORATORY
YES	WAS THERE A QA / QC SAMPLER BLANK SAMPLE COLLECTED

(All Groundwater Samples Collected Within 300 Miles From Bay Area Are Kept On Ice And Delivered To The Laboratory For Analysis In Less Then 24 Hours After being Collected, All others Are Delivered Within 48 Hours.)

78.00	SAMPLE TEMPERATURE (F) (Special Request)
07.25	SAMPLE PH LEVEL (Special Request)
NR	SAMPLE CONDUCTIVITY (Special Request)
NR	SAMPLE TURBIDITY (Special Request)
NA	CONDITION OF WATER DURING DEVELOPMENT (IF APPLIES)
CLOUDY	CONDITION OF WATER DURING INITIAL BAILING PERIOD
CLOUDY	CONDITION OF WATER FOR SAMPLE
NO	DID BAILED PRODUCT HAVE ANY TYPE OF PETROLEUM ODOR
NA	DOES WELL NEED REDEVELOPED
TPH/GAS/BTEX	TYPE OF ANALYSIS REQUESTED
NORMAL	TURNAROUND TIME REQUESTED
DISPOSABLE	TYPE OF BAILER USED
NO	WAS BAILER CLEANED IN FIELD

This monitoring well field guide is provided to give you the necessary answers to questions you might have concerning the condition of the well. Any recommendations that we make are solely based on knowledge gained from a visual inspection of the well during bailing and sampling. On request we would furnish a cost estimate to complete any recommendations that we made. If you have any further questions concerning this well please call our office for assistance.

1017-038-027.001

SAMPLING SPECIALISTS COMPANY

INDEPENDENT THIRD PARTY SAMPLING & ANALYSIS
COMPLETE WELL DEVELOPMENT SERVICES

ENVIRONMENTAL SAMPLE
COLLECTION SPECIALISTS
AIR, LIQUID AND SOLID SAMPLING

COMPLETE BAILING, PURGING AND SAMPLING SERVICE FOR MONITORING, RECOVERY AND VADOSE WELLS IN THE FOLLOWING STATES: CALIFORNIA, NEVADA, OREGON, WASHINGTON, ARIZONA, IDAHO AND UTAH

Office Locations
3146 Manor Avenue
Walnut Creek, California 94596

12003 49th Street North
Building 307
Clearwater, Florida 34622

1-(415)-932-4356 Office
1-(415)-932-4256 Fax

MONITORING WELL FIELD NOTES

CASTRO VALLEY, CA	PROJECT NAME
1017-038-027	PROJECT NUMBER
10/30/98	DATE OF SAMPLING ACTIVITIES
MS	BY (SAMPLING TECHNICIANS)
MW-1	CLIENT'S MONITORING/RECOVERY/ VADOSE WELL NUMBER
CLIENT TO PROVIDE	TOP OF CASING ELEVATION (Provided By Client)
10.57'	DEPTH TO WATER FROM WELL CASING BEFORE BAILING
20'	TOTAL DEPTH OF USABLE COLUMN (TO NEAREST FOOT MARKING)
2"	DIAMETER OF MONITORING/RECOVERY/ VADOSE WELL
09.43'	AMOUNT OF WELL COLUMN IN WATER (INCLUDING OIL INTERFACE)
08.02 GALLONS	REQUIRED AMOUNT OF GROUNDWATER TO PURGE FROM WELL IS
15 GALLONS	APPROXIMATE AMOUNT GROUNDWATER REMOVED FROM WELL
GRADE LEVEL MANWAY	TYPE OF SEAL AT GRADE (VANDAL PROOF MANWAY LID/ELEVATED STOVEPIPE)
YES	IS SEAL AT GRADE WATER TIGHT
2" WING NUT PLUG	TYPE OF CAP
YES	IS CAP WATER TIGHT

8	NUMBER OF SAMPLES COLLECTED (40mil VOA FOR GAS/BTEX AND Liters For Diesel
NO	DID 40 mil VOA CONTAINERS HAVE HEADSPACE BEFORE DELIVERY TO LABORATORY
YES	WERE CONTAINERS KEPT ON ICE PRIOR TO BEING DELIVERED TO LABORATORY
YES	WAS THERE A QA / QC SAMPLER BLANK SAMPLE COLLECTED

(All Groundwater Samples Collected Within 300 Miles From Bay Area Are Kept On ice And Delivered To The Laboratory For Analysis In Less Than 24 Hours After being Collected, All others Are Delivered Within 48 Hours.)

74.30	SAMPLE TEMPERATURE (F) (Special Request)
07.36	SAMPLE PH LEVEL (Special Request)
NR	SAMPLE CONDUCTIVITY (Special Request)
NR	SAMPLE TURBIDITY (Special Request)

NA	CONDITION OF WATER DURING DEVELOPMENT (IF APPLIES)
CLOUDY/SAND	CONDITION OF WATER DURING INITIAL BAILING PERIOD
CLOUDY/SAND	CONDITION OF WATER FOR SAMPLE
NO	DID BAILED PRODUCT HAVE ANY TYPE OF PETROLEUM ODOR
NA	DOES WELL NEED REDEVELOPED

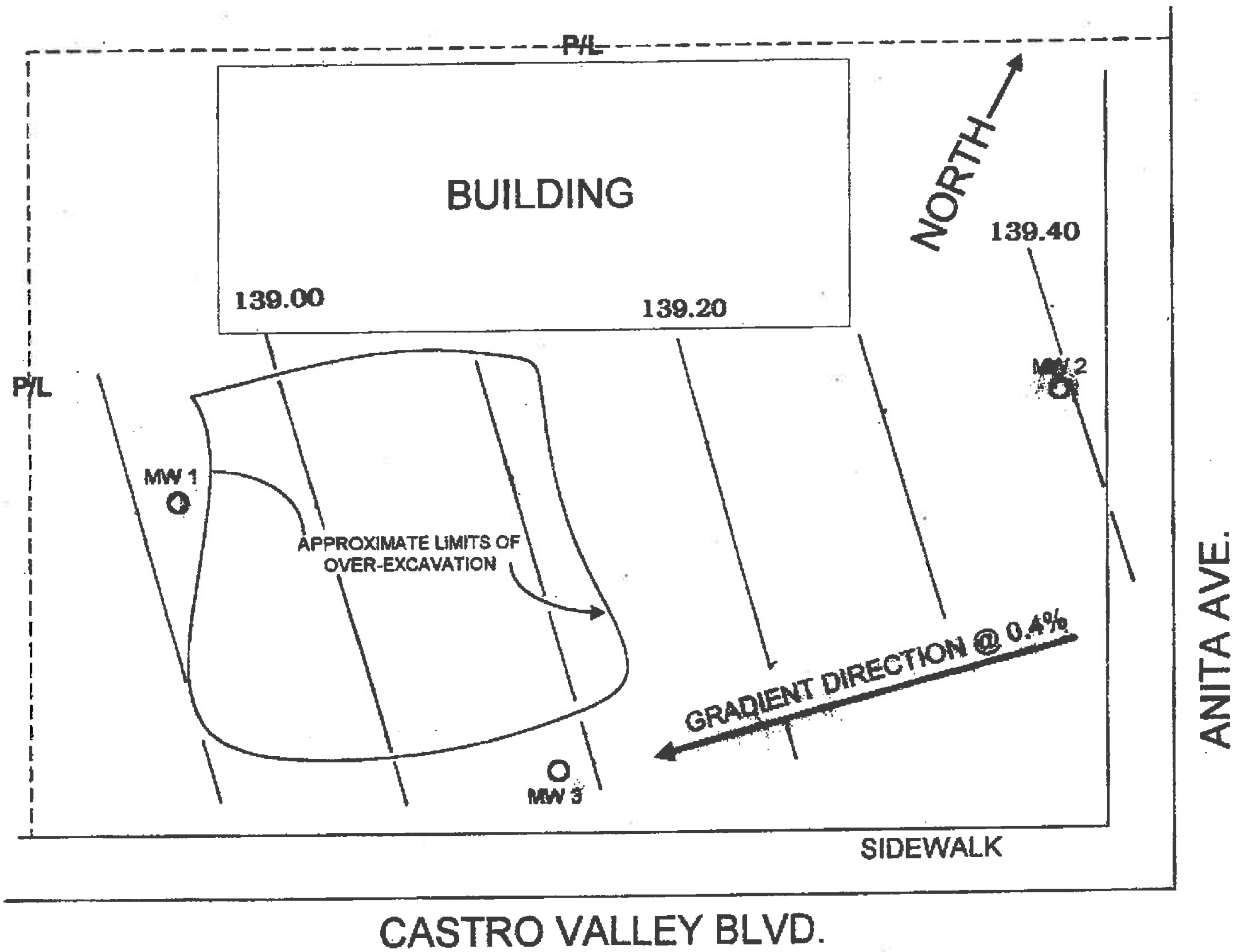
SEE ATTACHED	TYPE OF ANALYSIS REQUESTED
NORMAL	TURNAROUND TIME REQUESTED
DISPOSABLE	TYPE OF BAILER USED
NO	WAS BAILER CLEANED IN FIELD

This monitoring well field guide is provided to give you the necessary answers to questions you might have concerning the condition of the well. Any recommendations that we make are solely based on knowledge gained from a visual inspection of the well during bailing and sampling. On request we would furnish a cost estimate to complete any recommendations that we made. If you have any further questions concerning this well please call our office for assistance.

1017-038-027.001

Well#	Casing Elev.	Depth to Grndwtr.	Grndwtr. Elev.
MW1	150.11	11.19	138.92
MW2	150.66	11.27	139.39
MW3	150.00*	10.92	139.08

*ASSIGNED ELEV. USING USGS. TOPO.



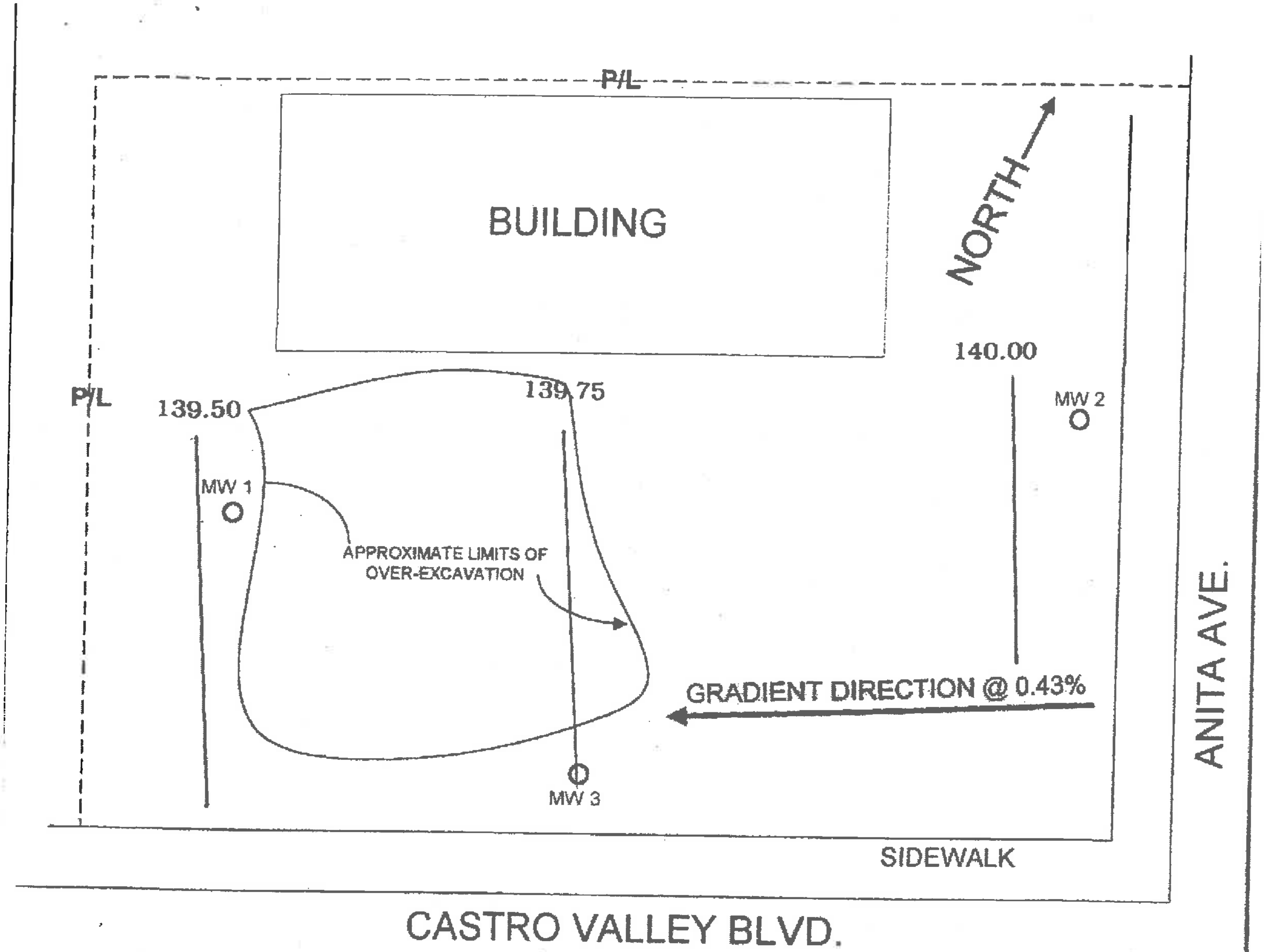
SITE PLAN

2896 CASTRO VALLEY BLVD., CASTRO VALLEY, CA

SCALE: 1"=20'	APPROVED BY:	DRAWN BY:
DATE: 10/26/99		REVISED

PIERS ENVIRONMENTAL SERVICES, INC.

1330 S. BASCOM AVENUE, SUITE F, SAN JOSE, CA 95128	**FIGURE 2**



Well#	Casing Elev.	Depth to Grndwtr.	Grndwtr. Elev.
MW1	150.11	10.55	139.56
MW2	150.66	10.63	140.03
MW3	150.00*	10.25	139.85

SITE PLAN

2896 CASTRO VALLEY BLVD., CASTRO VALLEY, CA

SCALE: 1"=20'	APPROVED BY:	DRAWN BY:
DATE: 1/12/00		REVISED

PIERS ENVIRONMENTAL SERVICES, INC.

1330 S. BASCOM AVENUE, SUITE F, SAN JOSE, CA 95128 — FIGURE 2

1/13/00

ATTACHMENT 4

Attachment 4 – Vapor Intrusion Evaluation and Data

LTCP VAPOR SPECIFIC CRITERIA - PETROLEUM

Closure Scenario

Exemption: __ Active fueling station exempt from vapor specific criteria; Active as of date: ________

__ Scenario 1; __ Scenario 2; X **Scenario 3a**; __ Scenario 3b; __ Scenario 4a without bioattenuation zone; __ Scenario 4b with bioattenuation zone; __ Site specific risk assessment demonstrates human health is protected; __ Exposure controlled through use of mitigation measures or institutional controls; __ Case closed in spite of not meeting the vapor specific media criteria

Shading indicates Site Specific Data and Bold Text indicates Evaluation Criteria

Site Specific Data		Scenario 1	Scenario 2	Scenario 3A	Scenario 3B	Scenario 3C	Scenario 4a	Scenario 4b
Unweathered LNAPL	No LNAPL	LNAPL in gw	LNAPL in soil	**No LNAPL**	No LNAPL	No LNAPL	No criteria	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	10 – 12 feet	≥30 feet	≥30 feet	**≥5 feet**	≥10 feet	≥5 feet	No criteria	≥ 5 feet
Depth to Shallowest Groundwater	9.15 feet	≥30 feet	≥30 feet	**≥5 feet**	≥10 feet	≥ 5 feet	≥ 5 feet	≥ 5 feet
Total TPHg & TPHd in Soil in Bioattenuation Zone	< 5 mg/kg	<100 mg/kg	<100 mg/kg	**<100 mg/kg**	<100 mg/kg	<100 mg/kg	No criteria	<100 mg/kg
Maximum Current Benzene Concentration in Groundwater	< 0.5 µg/L	No criteria	No criteria	**<100 µg/L**	≥100 and <1,000 µg/L	<1,000 µg/L	No criteria	No criteria
Oxygen Data in Bioattenuation Zone	No oxygen data	No criteria	No criteria	**No oxygen data or <4%**	No oxygen data or <4%	≥4%	No criteria	≥4% at bottom of zone
Soil Vapor Depth Beneath Foundation	No data	No criteria	No criteria	**No criteria**	No criteria	No criteria	5 feet	5 feet
Benzene Concentrations (µg/m³)	Historic Max: Not Analyzed Current Max: Not Analyzed	No criteria	No criteria	**No criteria**	No criteria	No criteria	Res: < 85; Com: < 280	Res: < 85K; Com: < 280K
Ethylbenzene Concentrations (µg/m³)	Historic Max: Not Analyzed Current Max: Not Analyzed	No criteria	No criteria	**No criteria**	No criteria	No criteria	Res: < 1,100; Com: < 3,600	Res: < 1,100K; Com: < 3,600K
Naphthalene Concentrations (µg/m³)	Historic Max: Not Analyzed Current Max: Not Analyzed	No criteria	No criteria	**No criteria**	No criteria	No criteria	Res: < 93; Com: < 310	Res: < 93K; Com: < 310K

Attachment 4 – Vapor Intrusion Evaluation and Data

LTCP VAPOR SPECIFIC CRITERIA – PETROLEUM (cont.)	
Vapor Intrusion to Indoor Air Analysis	
Onsite	The site meets Scenario 3A of the Low Threat Closure Policy.
Offsite	The petroleum hydrocarbon plume does not extend offsite.

ATTACHMENT 5

Attachment 5 – Direct Contact Evaluation and Data

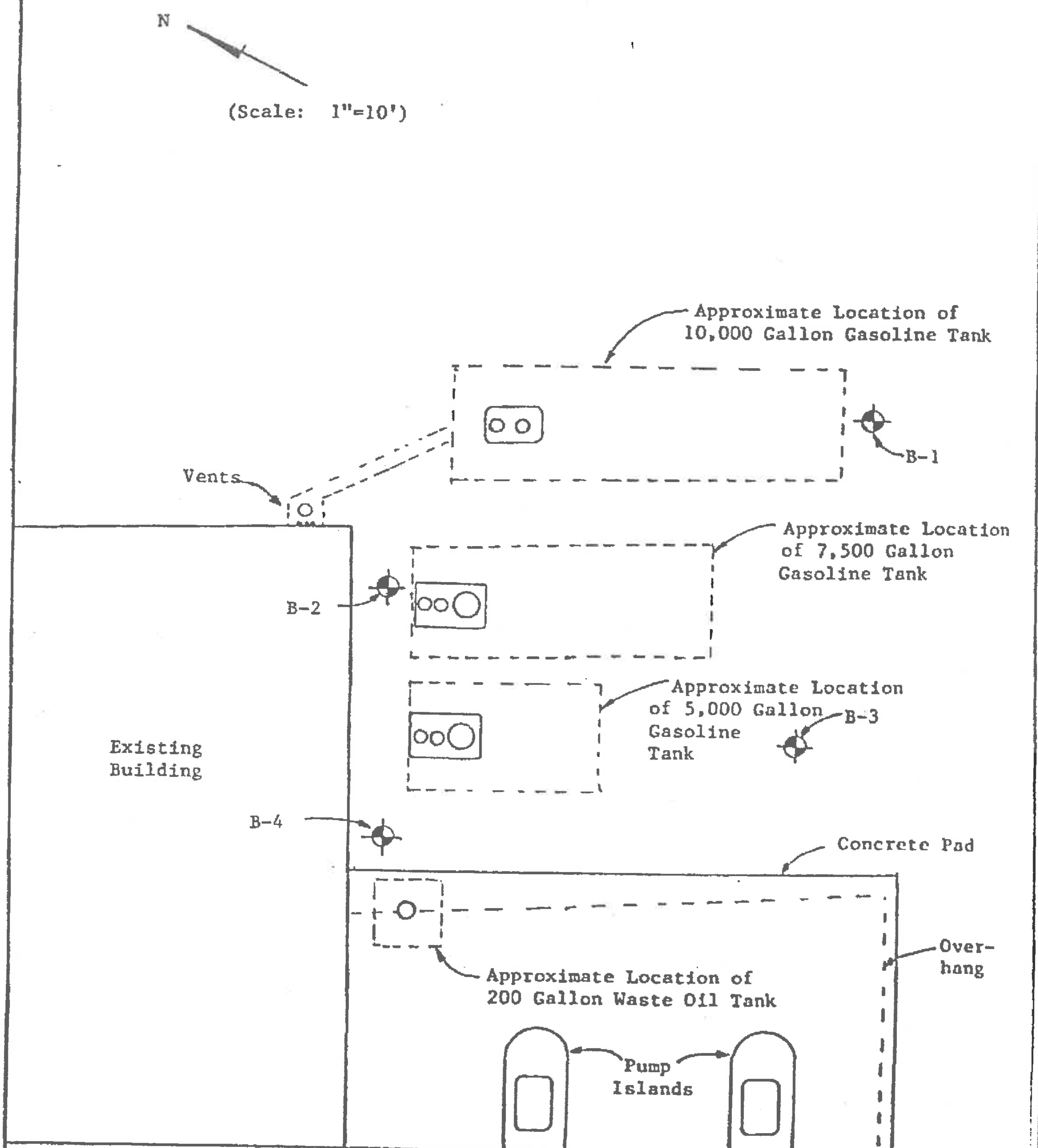
LTCP DIRECT CONTACT AND OUTDOOR AIR EXPSURE CRITERIA
Closure Scenario
__ Exemption (no petroleum hydrocarbons in upper 10 feet), __ Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below, __ Site-specific risk assessment, __ A determination has been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health, _X_ **A determination has been made that the 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 controls**, __ This case should be closed in spite of not meeting the direct contact and outdoor air specific media criteria.
Shading indicates Site Specific Data and Bold Text indicates Evaluation Criteria

Are maximum concentrations less than those in Table 1 below?	No

Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 10 feet bgs (mg/kg)
Site Maximum	Benzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	----	<0.5	----	<0.50	<0.50
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	----	0.857	----	<0.857	<0.857
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5

Direct Contact and Outdoor Air Analysis	
Onsite	This site does not meet this LTCP criterion due to the lack of analysis in soil for naphthalene and poly-aromatic hydrocarbons (PAHs) in the 0 to 5 foot depth interval. Within the former UST and dispenser island areas, contaminated soil was excavated to a depth of 11 to 11.5 feet below grade surface (bgs). Available data indicates that outside of the former UST excavation area, contaminant migration occurred through groundwater migration. Depth to groundwater is documented to have ranged between 9.15 and 11.0 feet bgs over the approximately 8 years of groundwater data collection at the site; thus ACDEH concludes that the potential for residual naphthalene and PAH soil contamination to be present beneath the site at concentrations over the LTCP media-specific numeric values listed above for the 0 to 5 foot depth interval is unlikely. Additionally, under the current land use, most of the site is paved with minor landscaped areas near the site boundaries resulting in a low potential for direct contact exposure under the current land use. Excavation or construction activities in areas of potential residual contamination will be managed with a land use restriction, and require planning and implementation of appropriate health and safety procedures by the responsible party, or current property owner, prior to and during excavation and construction activities.

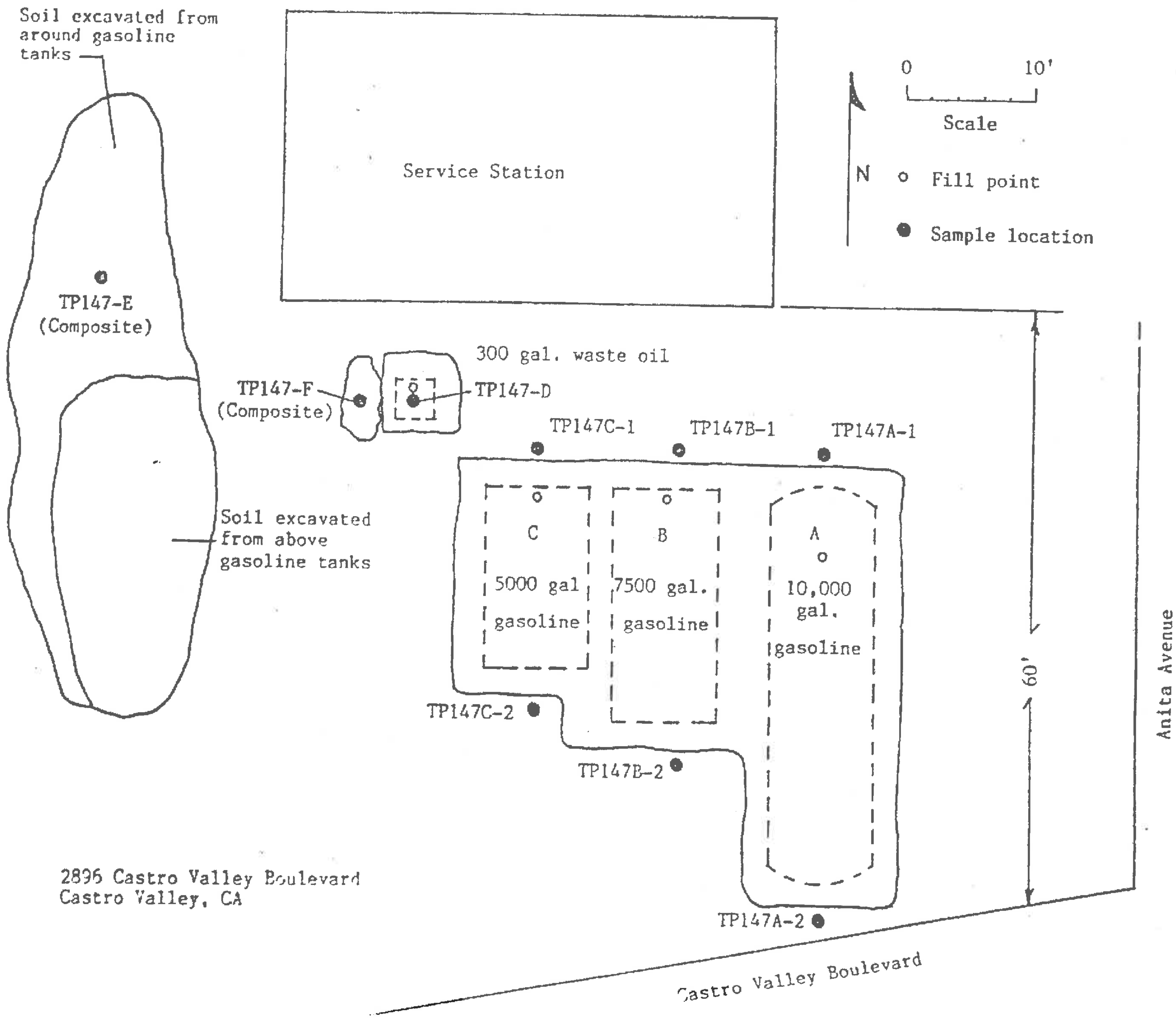
Offsite	The petroleum hydrocarbon soil plume does not extend offsite.



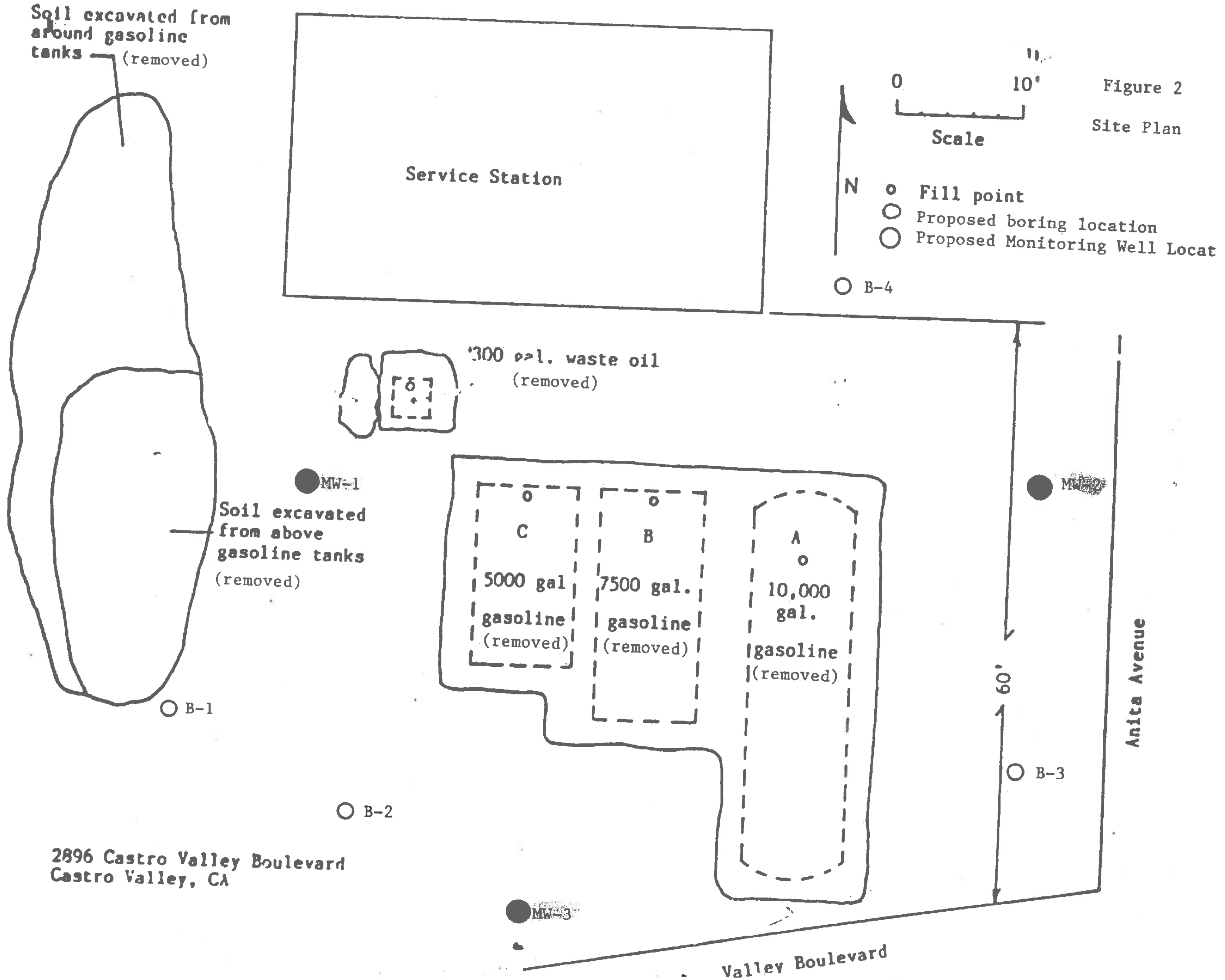
Proposal NO. HP86079
September, 1986

FIGURE 1 - SITE SKETCH

jha

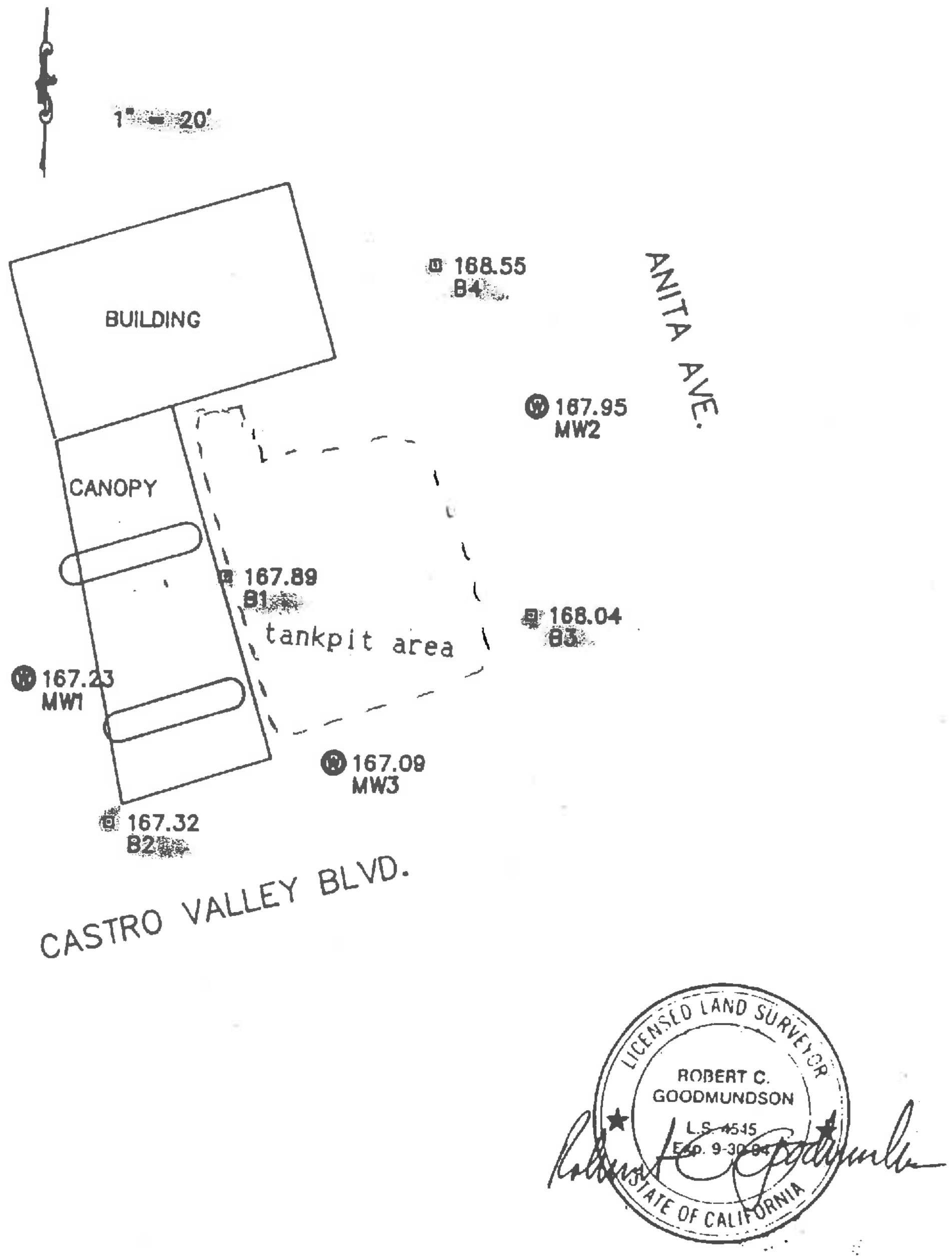


Soil excavated from around gasoline tanks
Service Station
0
10'
Scale
N
Fill point
Sample location
TP147-E (Composite)
300 gal. waste oil
TP147-F (Composite)
TP147-D
TP147C-1
TP147B-1
TP147A-1
Soil excavated from above gasoline tanks
C
5000 gal gasoline
B
7500 gal. gasoline
A
10,000 gal. gasoline
60'
Anita Avenue
TP147C-2
TP147B-2
TP147A-2
2896 Castro Valley Boulevard
Castro Valley, CA
Castro Valley Boulevard


Soil excavated from around gasoline tanks (removed)
Service Station
0
10'
Scale
Figure 2
Site Plan
N
o Fill point
Proposed boring location
Proposed Monitoring Well Locat
B-4
300 gal. waste oil (removed)
MW-1
MW-2
Soil excavated from above gasoline tanks (removed)
C
5000 gal gasoline (removed)
B
7500 gal. gasoline (removed)
A
10,000 gal. gasoline (removed)
60'
Anita Avenue
B-1
B-3
B-2
2896 Castro Valley Boulevard
Castro Valley, CA
MW-3
Valley Boulevard

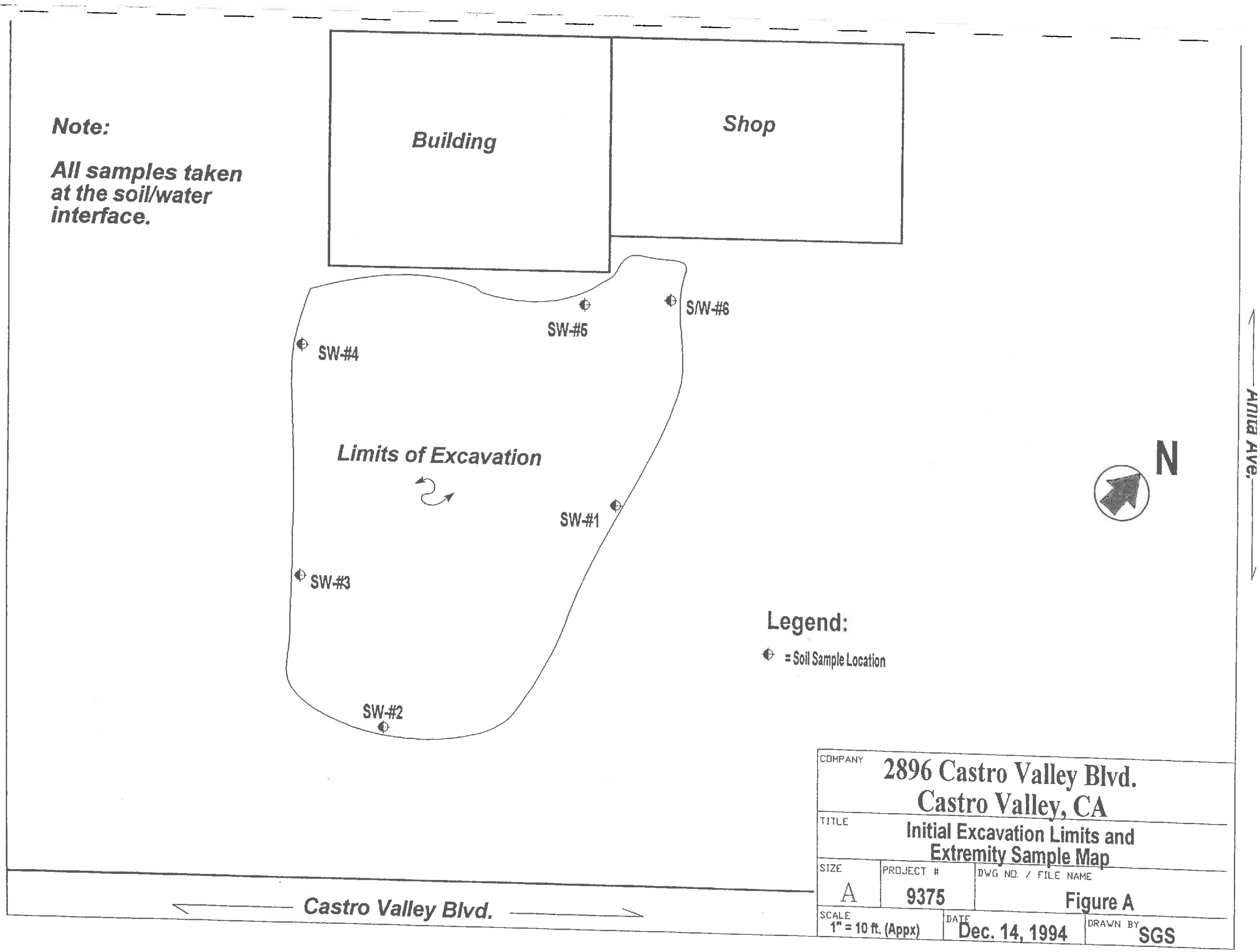
MICHAEL J. MAJORS CIVIL ENGINEERS, INC.

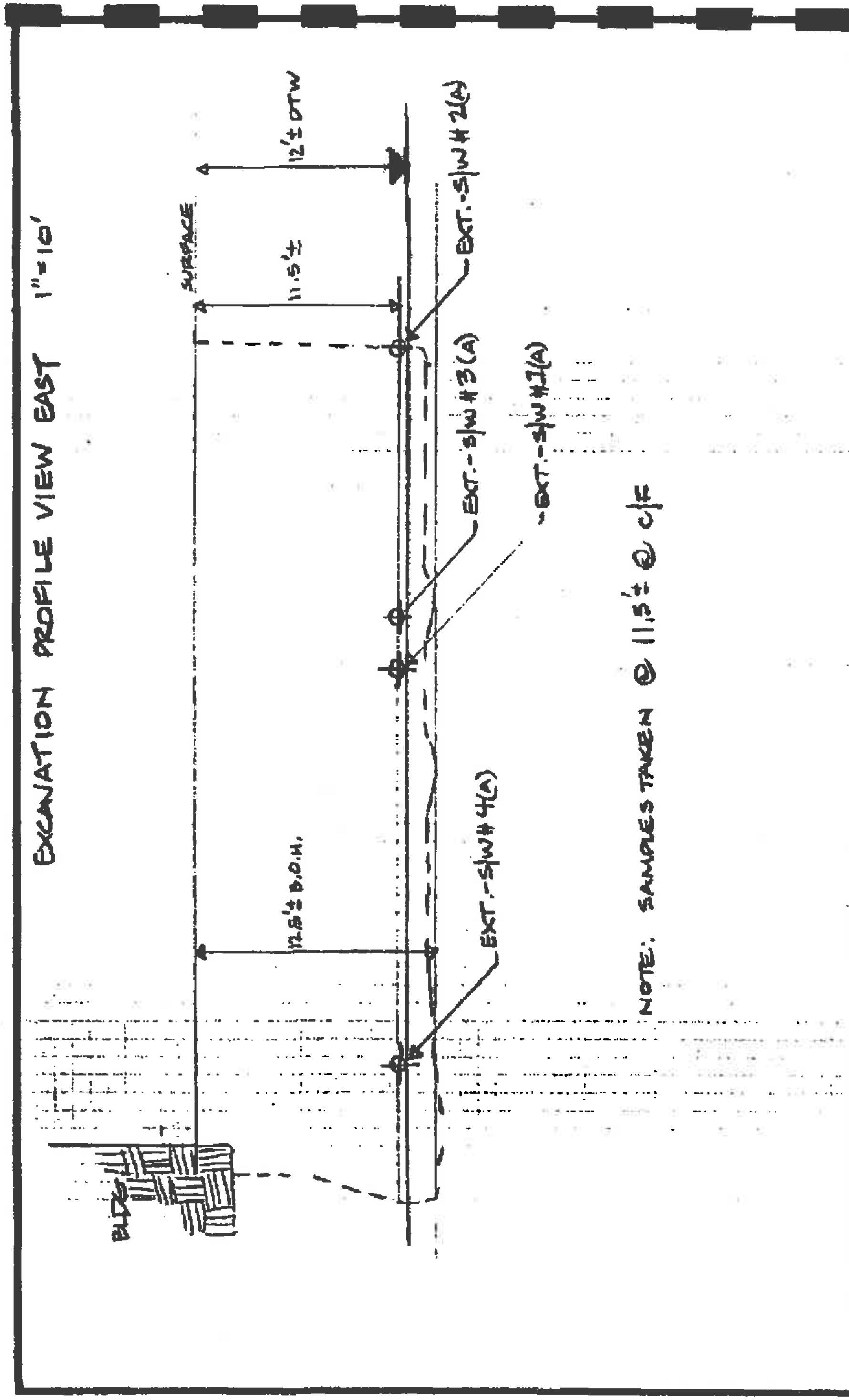
Figure 1
Site Plan, Current

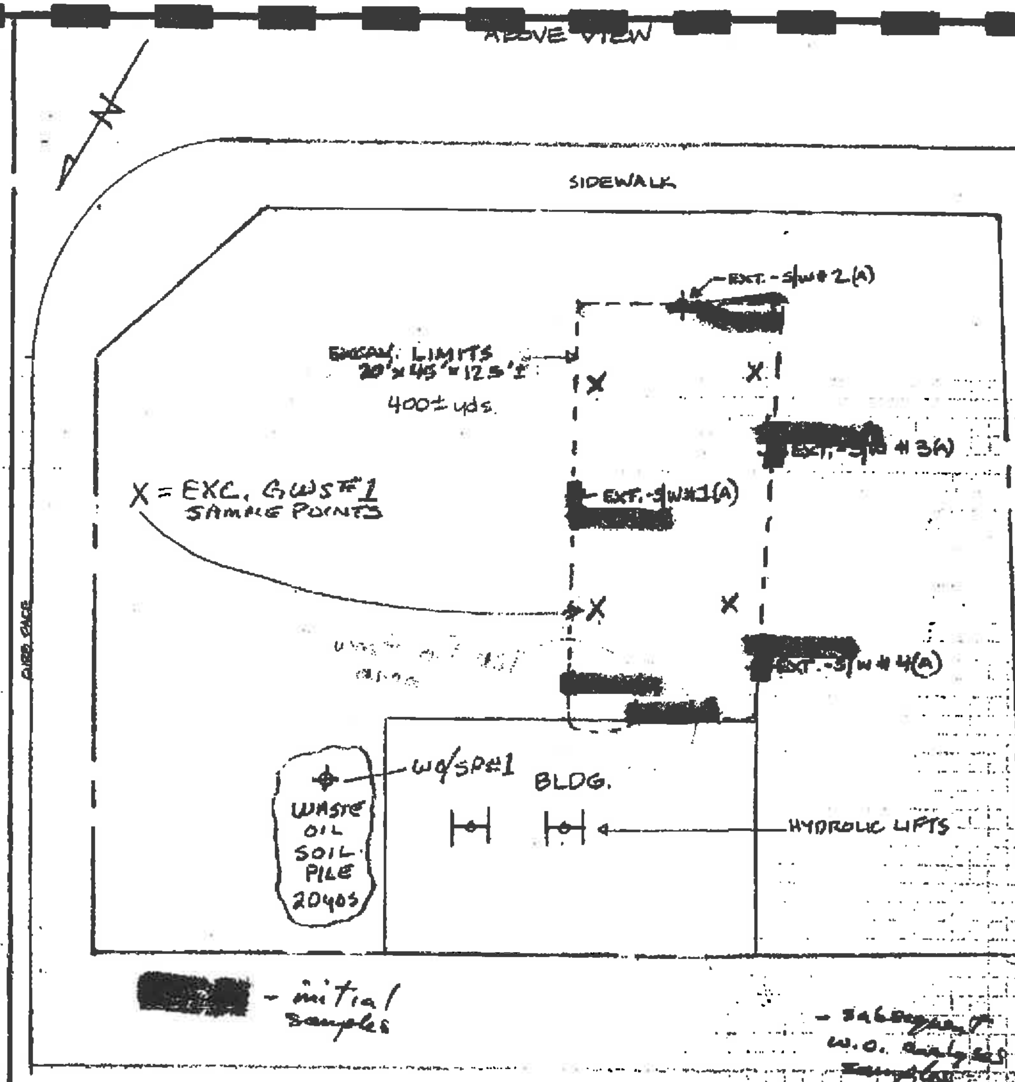


Drawn ________ Job 3905-02 Checked ________

Scale 1 inch = 26 feet Date 12-4-90 Parcel ________


Note:
All samples taken at the soil/water interface.
Building
Shop
S/W-#6
SW-#5
SW-#4
Limits of Excavation
SW-#1
SW-#3
SW-#2
N
Anita Ave.
Legend:
= Soil Sample Location
Castro Valley Blvd.
COMPANY
2896 Castro Valley Blvd.
Castro Valley, CA
TITLE
Initial Excavation Limits and Extremity Sample Map
SIZE
A
PROJECT #
9375
DWG NO. / FILE NAME
Figure A
SCALE
1" = 10 ft. (Appx)
DATE
Dec. 14, 1994
DRAWN BY
SGS





SITE PLAN - 2896 CASTRO VALLEY BLVD. CASTRO VALLEY

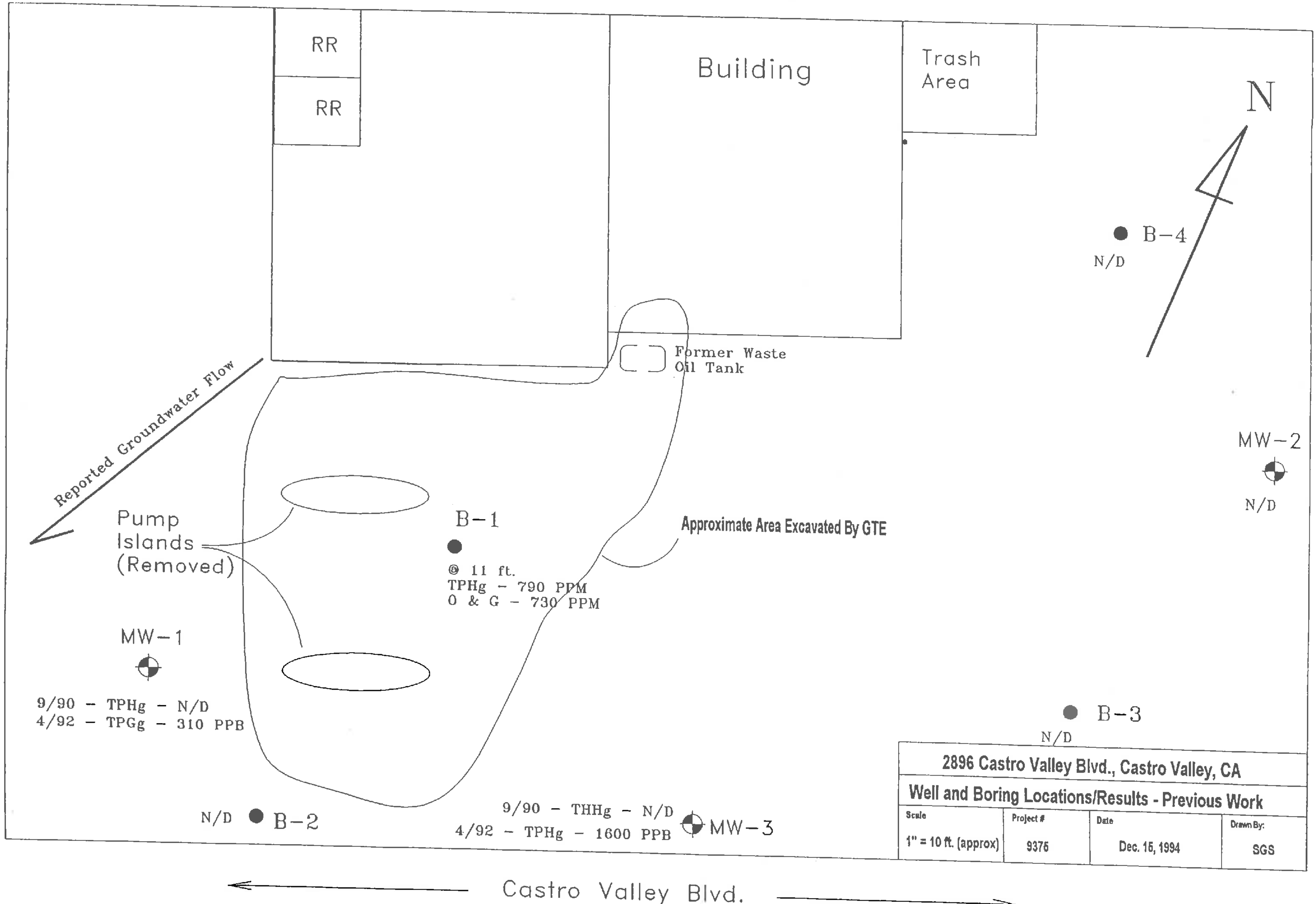
SCALE: 1" = 20'	APPROVED BY:	DRAWN BY E.L.
DATE: 5-26-93		REVISED SGS

ABOVE AND PROFILE VIEW OF EXCAVATION W/ SOIL SAMPLE LOCATIONS

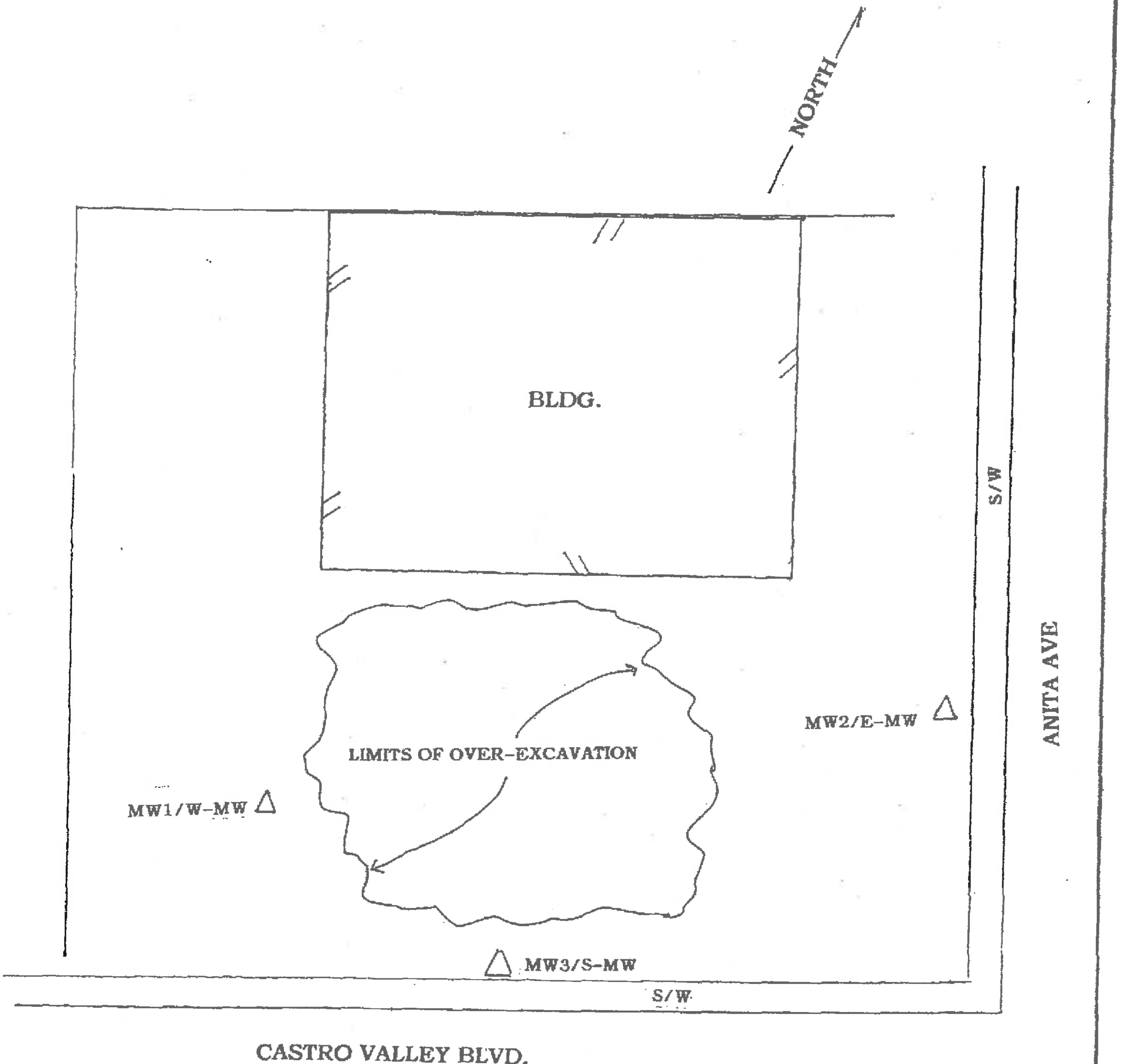
KEY: ⌖ = SOIL SAMPLE LOCATION(S)

DRAWING NUMBER 9375-A

8½ X 11 PRINTED ON NO. 1000H CLEARPRINT ®



Gen-Tech Environmental, Inc.



SITE PLAN 2896 CASTRO VALLEY BLVD.,CASTRO VALLEY		
SCALE: NTS	APPROVED BY:	DRAWN BY:
DATE: 4/22/99		REVISED:
PIERS ENVIRONMENTAL SERVICES, INC.		
1330 S. BASCOM AVENUE, SUITE F, SAN JOSE, CA 95128		FIGURE 2

Environmental Impacts in Soil

Walt's Auto Tec

2896 Castro Valley Boulevard, Castro Valley, California

Table 1. Comparison of Maximum Residual Soil Concentrations at the Site to Relevant Cleanup Standards (mg/kg)

	TPH-g (mg/kg)	TPH-d (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Xylenes (mg/kg)	MtBE (mg/kg)
Maximum Residual Soil Concentrations at Site in milligrams per kilogram	64.11[4]	**93**	**1.103[4]**	**4.135[4]**	**4.866[4]**	**25.05[4]**	--
RWQCB, Region 2 ESLs[1]	83[3]	83[3]	0.044[3]	2.9[3]	2.3[2]	2.3[3]	0.023[3]

---

[1] Environmental Screening Levels (ESLs); Shallow Soil Screening Level for residential land use where potentially impacted groundwater is current or potential drinking water resource. Shallow soils defined as soils situated <3 meters below the ground surface. Depth to water ranges between 4.9 ft and 21.25 ft bgs.

[2] Lowest ESL value based on direct exposure scenario. Depth to water ranges between 4.9 ft and 21.25 ft bgs.

[3] Lowest ESL value based on groundwater protection (soil leaching). Depth to water ranges between 10 ft to 13 ft bgs.

[4] Soil sample collected at 12 feet bgs (~~above~~ below the water table.)

jha
Geotechnical Consultants, Inc.
22654 Watkins Street • Hayward, California 94541 • (415) 582-1880

Howard D. Barlow, P.E.
Manager

Project No. H86078-A28E4
October 28, 1986

Mr. Dick Bigelow
20656 Redwood Road
Castro Valley, California 94546

SUBJECT: Underground Tests
Soil Sampling and Hydrocarbon Testing
2896 Castro Valley Boulevard
Castro Valley, California

Dear Mr. Bigelow:

In accordance with our agreement, we have obtained a soil sample for hydrocarbon testing adjacent to each of the four existing underground storage tanks at the above referenced site. Three tanks contain gasoline and one tank contains waste oil.

The site was sampled using a mobile drill rig on September 25, 1986. We obtained the soil samples from the approximate level of the bottom of the tanks at four locations indicated on the Site Sketch, Figure 1. The logs of the four borings are included as Figures 2 through 5. Petroleum odors were noted in each of the borings during drilling.

The soil samples were sealed and refrigerated until delivery to the analytical laboratory. The samples were then tested for total hydrocarbons. The chemical testing was performed by BSK & Associates. The results of the tests are as follows:

Soil Sample	Total Volatile Hydrocarbons (ppm)	Total Extractable Hydrocarbons (ppm)
B-1 at 10'	173	--
B-2 at 10'	267	--
B-3 at 10'	15.4	--
B-4 at 6'	1.3	1.3

9/10/89

TABLE 1
Soil Sample Analytical Results (concentrations in ppm)
2896 Castro Valley Boulevard, Castro Valley, California

Sample Number	Consul-tant	Depth (feet)	Sample Date	TPH-d	TOG	TPH-g	B	T	E	X	Method 8010	Method 8270
TP147 A-1	Geo-nomics	11	6/16/87			ND	ND	ND	NA	ND		
TP147 A-2	Geo-nomics	11	6/16/87			ND	ND	ND	NA	ND		
TP147 B-1	Geo-nomics	11	6/16/87			ND	ND	ND	NA	ND		
TP147 B-2	Geo-nomics	11	6/16/87			ND	ND	ND	NA	ND		
TP147 C-1	Geo-nomics	11	6/16/87			ND	ND	ND	NA	ND		
TP147 C-2	Geo-nomics	11	6/16/87			100	ND	0.2	NA	2.2		
TP147D	Geo-nomics	7	6/16/87	5,300	16,000	NA	0.22	0.09	0.3	1.5		
TP147E	Geo-nomics	stock-pile	6/16/87			15	ND	ND	ND	1.1		
TP147F	Geo-nomics	stock-pile	6/16/87			ND	ND	ND	ND	ND		
B-1	ASE	6.5	9/27/90	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-1	ASE	11	9/27/90	ND	730	790	0.3	1.9	4	8.8	ND	@
B-1	ASE	13.5	9/27/90	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-2	ASE	6	9/27/90			ND	ND	ND	ND	ND	ND	
B-2	ASE	10	9/27/90			13	ND	ND	0.024	.021	ND	
B-2	ASE	13	9/27/90			ND	ND	ND	ND	ND	ND	
B-3	ASE	6.5	9/27/90			ND	ND	ND	ND	ND	ND	
B-3	ASE	11	9/27/90			ND	ND	ND	ND	ND	ND	
B-4	ASE	6	9/27/90			ND	ND	ND	ND	ND	ND	
B-4	ASE	11	9/27/90			ND	ND	ND	ND	ND	ND	
MW-1	ASE	5.5	9/27/90	NA	NA	ND	ND	ND	ND	ND	ND	NA
MW-1	ASE	11	9/27/90	ND	32	14	ND	ND	ND	ND	ND	ND

TABLE 1

Soil Sample Analytical Results (concentrations in ppm)
2896 Castro Valley Boulevard, Castro Valley, California

Sample Number	Consul-tant	Depth (feet)	Sample Date	TPH-d	TOG	TPH-g	B	T	E	X	Method 8010	Method 8270
MW-2	ASE	5	9/27/90	NA	NA	ND	ND	ND	ND	ND	ND	
MW-2	ASE	12.5	9/27/90	NA	NA	ND	ND	ND	ND	ND	ND	
MW-3	ASE	6.5	9/27/90	NA	NA	ND	ND	ND	ND	ND	ND	
MW-3	ASE	10.5	9/27/90	NA	NA	7.7	ND	ND	0.057	.076	ND	
SW#1	GTE	inter-face	10/25/93	NA	NA	64.11	1.10	4.13	4.86	25.1		
SW#2	GTE	inter-face	10/25/93	NA	NA	29.49	0.05	0.55	1.18	6.64		
SW#3	GTE	inter-face	10/25/93	NA	NA	1.28	ND	0.07	0.01	0.12		
SW#4	GTE	inter-face	10/25/93	NA	NA	4.35	ND	0.19	0.01	0.10		
SW#5	GTE	inter-face	10/25/93	NA	3,980	1.25	ND	0.21	0.02	0.16		
SW#6	GTE	inter-face	10/25/93	NA	955	5.09	0.31	1.00	0.01	0.61		
EXTSW #1(A)	GTE	inter-face	5/26/94	93	NA	NA	NA	NA	NA	NA	ND	
EXTSW #2(A)	GTE	inter-face	05/26/94	12	NA	NA	NA	NA	NA	NA	ND	
EXTSW #3(A)	GTE	inter-face	05/26/94	16	NA	NA	NA	NA	NA	NA	ND	
EXTSW #4(A)	GTE	inter-face	0526//94	55	NA	NA	NA	NA	NA	NA	ND	
W/O-S/P #1	GTE	stock-pile	05/26/94	24	21	ND	ND	ND	ND	ND		
EXC-S/W #5A	GTE	stock-pile	05/26/94	NA	<50	NA						

Notes:

NA Not analyzed, also blank spaces indicates not analyzed for that constituent
ND Not detected at or above the laboratory detection limit
TPH-g Total petroleum hydrocarbons as gasoline
TPH-d Total petroleum hydrocarbons as diesel
BTEX Benzene, toluene, ethylbenzene, total xylenes
@ Sample contained 7.2 µg/Kg, 5.5 µg/Kg 2-methylnaphthalene
TOG Total oil & grease
SW Sidewall sample
W/O-SP waste oil stockpile sample
interface Sidewall soil sample collected at the soil-water interface

TABLE 1
SOIL AND GROUNDWATER
SAMPLE ANALYTICAL RESULTS

Soil
Sept. 27 & 28
1990

SAMPLE #	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES
	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg
B-1, 6.5′	N.D.	N.D.	N.D.	N.D.	N.D.
B-1, 11′	790	300	1,900	4,000	8,800
B-1, 13.5′	N.D.	N.D.	N.D.	N.D.	N.D.
B-2, 6′	N.D.	N.D.	N.D.	N.D.	N.D.
B-2, 10.5′	13	N.D.	N.D.	24	21
B-2, 13′	N.D.	N.D.	N.D.	N.D.	N.D.
B-3, 6.5′	N.D.	N.D.	N.D.	N.D	N.D.
B-3, 11′	N.D.	N.D.	N.D.	N.D.	N.D.
B-4, 6′	N.D.	N.D.	N.D.	N.D.	N.D.
B-4, 11′	N.D.	N.D.	N.D.	N.D.	N.D.
MW-1, 5.5′	N.D.	N.D.	N.D.	N.D.	N.D.
MW-1, 11′	14	N.D.	N.D.	N.D.	N.D.
MW-2, 5′	N.D.	N.D.	N.D.	N.D.	N.D.
MW-2, 12.5′	N.D.	N.D.	N.D.	N.D.	N.D.
MW-3, 6.5′	N.D.	N.D.	N.D.	N.D.	N.D.
MW-3, 10.5′	7.7	N.D.	N.D.	57	76

SAMPLE #	DIESEL	OIL & GREASE	8010	8270
	mg/kg	mg/kg	ug/kg	ug/kg
B-1, 6.5′	N.D.	N.D.	N.D.	N.D.
B-1, 11′*	N.D.	730	N.D.	7.2 naphthalene 5.5 2-methylnaph.
B-1, 13.5′	N.D.	N.D.	N.D.	N.D.
MW-1, 11′	N.D.	38	N.D.	N.D.

G.W.

	GASOLINE	EPA 601	EPA 602	EPA 625	METALS	MCL
	mg/l	ug/l	ug/l	ug/l	mg/l	
MW-1**	N.D.	N.D.	N.D.	N.D.	0.07 lead 0.02 zinc	0.05 5.0
MW-2	N.D.	----	N.D.	----	----	
MW-3	N.D.	----	N.D.	----	----	

* = N.D. for PCB's (8080)
** = N.D. for TPH as diesel and total oil and grease
N.D. = not detected
---- = not analyzed

Date sampled : 6-16-87
Date extracted : NA
Date analyzed : 6-19-87
Weight extracted : NA

Supervisor : [illegible]
Date released : 6-26-87

CAS #	Compound Name	Det. Limit (ug/g)	(ug/g)	Q
71-43-2	Benzene	0.2		U
108-88-3	Toluene	0.2		U
	Total Xylenes	0.2		U
	Gasoline	10		U
	Diesel / Waste Oil	10		NR
	Total Oil & Grease	30		NR

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

Form 2-1.

ORGANIC ANALYSIS DATA SHEET - HYDROCARBON COMPOUNDS

Sample I.D. : TP147-A1 SPIKE % RECOVERY
Matrix : SOIL
Date sampled : 6-16-87
Date extracted : NA
Date analyzed : 6-22-87
Weight extracted : NA

Anametrix I.D. : 8706061 01
Analyst :
Supervisor : [illegible]
Date released : 6-26-87

CAS #	Compound Name	Det. Limit (ug/g)	(ug/g)	Q
71-43-2	Benzene	0.2		NR
108-88-3	Toluene	0.2		NR
	Total Xylenes	0.2		NR
	Gasoline	10	97%	+
	Diesel / Waste Oil	10		NR
	Total Oil & Grease	30		NR

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

Form 2-2.

Sample I.D. : TP147-A2
Matrix : SOIL
Date sampled : 6-16-87
Date extracted : NA
Date analyzed : 6-19-87
Weight extracted : NA

Anametrix I.D. : 8706061-02
Analyst :
Supervisor :
Date released : 6-26-87

CAS #	Compound Name	Det. Limit (ug/g)	(ug/g)	Q
71-43-2	Benzene	0.2		U
108-88-3	Toluene	0.2		U
	Total Xylenes	0.2		U
	Gasoline	10		U
	Diesel / Waste Oil	10		NR
	Total Oil & Grease	30		NR

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

Form 2-3.

ORGANIC ANALYSIS DATA SHEET - HYDROCARBON COMPOUNDS

Sample I.D. : TP147-B1
Matrix : SOIL
Date sampled : 6-16-87
Date extracted : NA
Date analyzed : 6-19-87
Weight extracted : NA

Anametrix I.D. : 8706061-03
Analyst :
Supervisor :
Date released : 6-26-87

CAS #	Compound Name	Det. Limit (ug/g)	(ug/g)	Q
71-43-2	Benzene	0.2		U
108-88-3	Toluene	0.2		U
	Total Xylenes	0.2		U
	Gasoline	10		U
	Diesel / Waste Oil	10		NR
	Total Oil & Grease	30		NR

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

Form 2-4.

Sample I.D. : TP147-B2
Matrix : SOIL
Date sampled : 6-16-87
Date extracted : NA
Date analyzed : 6-22-87
Weight extracted : NA

Anametrix I.D. : 8706061-04
Analyst : [illegible]
Supervisor : [illegible]
Date released : 6-26-87

CAS #	Compound Name	Det. Limit (ug/g)	(ug/g)	Q
71-43-2	Benzene	0.2		U
108-88-3	Toluene	0.2		U
	Total Xylenes	0.2		U
	Gasoline	10		U
	Diesel / Waste Oil	10		NR
	Total Oil & Grease	30		NR

For reporting purposes, the following qualifiers (Q) are used:
- + : A value greater than or equal to the method detection limit.
- U : The compound was analyzed for but was not detected.
- NR: Not requested.

Form 2-5.

ORGANIC ANALYSIS DATA SHEET - HYDROCARBON COMPOUNDS

Sample I.D. : TP147-C1
Matrix : SOIL
Date sampled : 6-16-87
Date extracted : NA
Date analyzed : 6-22-87
Weight extracted : NA

Anametrix I.D. : 8706061-05
Analyst : [illegible]
Supervisor : [illegible]
Date released : 6-26-87

CAS #	Compound Name	Det. Limit (ug/g)	(ug/g)	Q
71-43-2	Benzene	0.2		U
108-88-3	Toluene	0.2		U
	Total Xylenes	0.2		U
	Gasoline	10		U
	Diesel / Waste Oil	10		NR
	Total Oil & Grease	30		NR

For reporting purposes, the following qualifiers (Q) are used:
- + : A value greater than or equal to the method detection limit.
- U : The compound was analyzed for but was not detected.
- NR: Not requested.

Form 2-6.

Matrix : SOIL
Date sampled : 6-16-87
Date extracted : NA
Date analyzed : 6-22-87
Weight extracted : NA

Analyst :
Supervisor :
Date released : 6-26-87

CAS #	Compound Name	Det. Limit (ug/g)	(ug/g)	Q
71-43-2 .	Benzene	0.2		U
108-88-3	Toluene	0.2	0.2	+
	Total Xylenes	0.2	2.2	+
	Gasoline	10	100	+
	Diesel / Waste Oil	10		NR
	Total Oil & Grease	30		NR

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

Form 2-7.

ORGANIC ANALYSIS DATA SHEET - HYDROCARBON COMPOUNDS

Sample I.D. : TP147-C2 DUPLICATE
Matrix : SOIL
Date sampled : 6-16-87
Date extracted : NA
Date analyzed : 6-22-87
Weight extracted : NA

Anametrix I.D. : 8706061-06
Analyst :
Supervisor :
Date released : 6-26-87

CAS #	Compound Name	Det. Limit (ug/g)	(ug/g)	Q
71-43-2	Benzene	0.2		U
108-88-3	Toluene	0.2	0.2	+
	Total Xylenes	0.2	5.9	+
	Gasoline	10	135	+
	Diesel / Waste Oil	10		NR
	Total Oil & Grease	30		NR

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

Form 2-8.

Sample I.D. : TP147-D
Matrix : SOIL
Date sampled : 6-16-87
Date extracted : 6-18-87
Date analyzed : 6-19-87
Weight extracted : 30 g

Anametrix I.D. : 8706061-07
Analyst : [illegible]
Supervisor : [illegible]
Date released : 6-26-87

CAS #	Compound Name	Det. Limit (ug/g)	(ug/g)	Q
71-43-2	Benzene	0.2		NR
108-88-3	Toluene	0.2		NR
	Total Xylenes	0.2		NR
	Gasoline	10		NR
	Diesel / Waste Oil	10	5300	+
	Total Oil & Grease	30	16000	+

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

Form 2-9.

ORGANIC ANALYSIS DATA SHEET - HYDROCARBON COMPOUNDS

Sample I.D. : TP147-D DUPLICATE
Matrix : SOIL
Date sampled : 6-16-87
Date extracted : 6-18-87
Date analyzed : 6-19-87
Weight extracted : 30 g

Anametrix I.D. : 8706061-07
Analyst : [illegible]
Supervisor : [illegible]
Date released : 6-26-87

CAS #	Compound Name	Det. Limit (ug/g)	(ug/g)	Q
71-43-2	Benzene	0.2		NR
108-88-3	Toluene	0.2		NR
	Total Xylenes	0.2		NR
	Gasoline	10		NR
	Diesel / Waste Oil	10	6900	+
	Total Oil & Grease	30	18000	+

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

Form 2-10.

Matrix : SOIL
Date sampled : 6-16-87
Date analyzed : 6-25-87
Dilution : 1:10

Analyst : WM
Supervisor : PG
Date released : 6-26-87

CAS #	Compound Name	Det. Limit (ug/kg)	(ug/kg)	Q
74-87-3	* Chloromethane	70		U
74-83-9	* Bromomethane	70		U
75-01-4	* Vinyl Chloride	70		U
75-00-3	* Chloroethane	70		U
75-09-2	* Methylene Chloride	20		U
67-64-1	**Acetone	100		U
79-69-4	* Trichlorofluoromethane	20		U
75-15-0	**Carbondisulfide	20		U
75-35-4	* 1,1-Dichloroethene	20		U
75-34-3	* 1,1-Dichloroethane	20		U
156-60-5	* Trans-1,2-Dichloroethene	20		U
156-59-2	* Cis-1,2-Dichloroethene	20		U
67-66-3	* Chloroform	20		U
76-13-1	# Trichlorotrifluoroethane	20		U
107-06-2	* 1,2-Dichloroethane	20		U
78-93-3	**2-Butanone	100		U
71-55-6	* 1,1,1-Trichloroethane	20		U
56-23-5	* Carbon Tetrachloride	20		U
108-05-4	**Vinyl Acetate	100		U
75-27-4	* Bromodichloromethane	20		U
78-87-5	* 1,2-Dichloropropane	20		U
10061-02-6	* Trans-1,3-Dichloropropene	20		U
79-01-6	* Trichloroethene	20		U
124-48-1	* Dibromochloromethane	20		U
79-00-5	* 1,1,2-Trichloroethane	20		U
71-43-2	* Benzene	20	220	+
10061-01-5	* cis-1,3-Dichloropropene	20		U
110-75-8	* 2-Chloroethylvinylether	20		U
75-25-2	* Bromoform	20		U
591-78-6	**2-Hexanone	100		U
108-10-1	**4-Methyl-2-Pentanone	100		U
127-18-4	* Tetrachloroethene	20		U
79-34-5	* 1,1,2,2-Tetrachloroethane	20		U
108-88-3	* Toluene	20	90	+
108-90-7	* Chlorobenzene	20		U
100-41-4	* Ethylbenzene	20	300	+
100-42-5	**Styrene	20		U
	**Total Xylenes	20	1500	+
541-73-1	* 1,3-Dichlorobenzene	20		U
95-50-1	* 1,2-Dichlorobenzene	20		U
106-46-7	* 1,4-Dichlorobenzene	20		U

* A 624/8240 approved compound (Federal Register, 10/26/84)
** A compound on the U.S. EPA CLP Hazardous Substance List (HSL)
\# A compound added by Anametrix, Inc.

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.

Form 1-1.

Sample I.D. : TP147-D 1:10 DILUTION
Matrix : SOIL
Date Sampled : 6-16-87
Analyzed VOA : 6-25-87
Analyzed SV : NA

Anametrix I.D. : 8706061-07
Analyst : WH
Supervisor : RG
Date Released : 6-26-87

	CAS #	Scan#	Volatile Fraction Compound Name	Det. Limit ppb	ppb
1	107-83-5	181	2-methylpentane	50	600
2	594-82-1	319	2,2,3,3-tetramethylbutane	50	440
3	111-84-2	825	nonane	50	630
4	124-18-5	1090	decane	50	1400
5	526-73-8	1204	1,2,3-trimethylbenzene	50	1100
6	1120-21-4	1338	undecane	50	710
7				50	
				50	
9				50	
10				50	

	CAS #	Scan#	Semivolatile Fraction Compound Name	Det. Limit ppb	ppb
1				10	
2				10	
3				10	
4				10	
5				10	
6				10	
7				10	
8				10	
9				10	
10				10	
11				10	
12				10	
13				10	
14				10	
15				10	
16				10	
17				10	
18				10	
19				10	
20				10	

Tentatively identified compounds are significant chromatographic peaks (TICs) other than priority pollutants. TIC spectra are compared with entries in the National Bureau of Standards mass spectral library. Identification is made by following US EPA guidelines and acceptance criteria. TICs are quantitated by using the area of the nearest interna standard and assuming a response factor of one (1). Values calculated ar ESTIMATES ONLY.

Form 4-1.

Matrix	: SOIL		Anametrix I.D.	: 8706061-08	
Date sampled	: 6-16-87		Analyst	: [illegible]	
Date extracted	: NA		Supervisor	: [illegible]	
Date analyzed	: 6-22-87		Date released	: 6-26-87	
Weight extracted	: NA				

CAS #	Compound Name	Det. Limit (ug/g)	(ug/g)	Q
71-43-2	Benzene	0.2		U
108-88-3	Toluene	0.2		U
	Total Xylenes	0.2	1.1	+
	Gasoline	10	15	+
	Diesel / Waste Oil	10		NR
	Total Oil & Grease	30		NR

For reporting purposes, the following qualifiers (Q) are used:

+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

Form 2-11.

ORGANIC ANALYSIS DATA SHEET - HYDROCARBON COMPOUNDS

Sample I.D.	: TP147-F	Anametrix I.D.	: 8706061-09
Matrix	: SOIL	Analyst	: [illegible]
Date sampled	: 6-16-87	Supervisor	: [illegible]
Date extracted	: 6-18-87	Date released	: 6-26-87
Date analyzed	: 6-22-87		
Weight extracted	: 30 g		

CAS #	Compound Name	Det. Limit (ug/g)	(ug/g)	Q
71-43-2	Benzene	0.2		NR
108-88-3	Toluene	0.2		NR
	Total Xylenes	0.2		NR
	Gasoline	10		NR
	Diesel / Waste Oil	10	2900	+
	Total Oil & Grease	30	7100	+

For reporting purposes, the following qualifiers (Q) are used:

+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

Form 2-12.

Sample I.D. : TP147-F
Matrix : SOIL
Date sampled : 6-16-87
Date analyzed : 6-25-87
Dilution : NONE

Anametrix I.D. : 8706061-09
Analyst : AM
Supervisor : RC
Date released : 6-26-87

CAS #	Compound Name	Det. Limit (ug/kg)	(ug/kg)	Q
74-87-3	* Chloromethane	7		U
74-83-9	* Bromomethane	7		U
75-01-4	* Vinyl Chloride	7		U
75-00-3	* Chloroethane	7		U
75-09-2	* Methylene Chloride	2		U
67-64-1	**Acetone	10		U
79-69-4	* Trichlorofluoromethane	2		U
75-15-0	**Carbondisulfide	2		U
75-35-4	* 1,1-Dichloroethene	2		U
75-34-3	* 1,1-Dichloroethane	2		U
156-60-5	* Trans-1,2-Dichloroethene	2		U
156-59-2	* Cis-1,2-Dichloroethene	2		U
67-66-3	* Chloroform	2		U
76-13-1	# Trichlorotrifluoroethane	2		U
107-06-2	* 1,2-Dichloroethane	2		U
78-93-3	**2-Butanone	10		U
71-55-6	* 1,1,1-Trichloroethane	2		U
56-23-5	* Carbon Tetrachloride	2		U
108-05-4	**Vinyl Acetate	10		U
75-27-4	* Bromodichloromethane	2		U
78-87-5	* 1,2-Dichloropropane	2		U
10061-02-6	* Trans-1,3-Dichloropropene	2		U
79-01-6	* Trichloroethene	2		U
124-48-1	* Dibromochloromethane	2		U
79-00-5	* 1,1,2-Trichloroethane	2		U
71-43-2	* Benzene	2		U
10061-01-5	* cis-1,3-Dichloropropene	2		U
110-75-8	* 2-Chloroethylvinylether	2		U
75-25-2	* Bromoform	2		U
591-78-6	**2-Hexanone	10		U
108-10-1	**4-Methyl-2-Pentanone	10		U
127-18-4	* Tetrachloroethene	2		U
79-34-5	* 1,1,2,2-Tetrachloroethane	2		U
108-88-3	* Toluene	2		U
108-90-7	* Chlorobenzene	2		U
100-41-4	* Ethylbenzene	2		U
100-42-5	**Styrene	2		U
	**Total Xylenes	2		U
541-73-1	* 1,3-Dichlorobenzene	2		U
95-50-1	* 1,2-Dichlorobenzene	2		U
106-46-7	* 1,4-Dichlorobenzene	2		U

* A 624/8240 approved compound (Federal Register, 10/26/84)
** A compound on the U.S. EPA CLP Hazardous Substance List (HSL)
\# A compound added by Anametrix, Inc.

For reporting purposes, the following qualifiers (Q) are used:
\+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 12, 1990

ChromaLab File No.: 0990147

AQUA SCIENCE ENGINEERS, INC.

Attn: Greg Gouvea

RE: Eight soil samples for Gasoline/BTEX, Diesel, and Oil & Grease analyses

Project Location: 2896 CV BLVD
Date Sampled: Sept. 27, 1990 Date Submitted: Sept. 27, 1990
Date Extracted: Oct. 4-10, 1990 Date Analyzed: Oct. 4-10, 1990

RESULTS:

Sample No.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)	Oil & Grease [redacted]
[redacted], 6.5'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
[redacted], 11'	790	N.D.	300	1900	4000	8800	730
[redacted], 13.5'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
[redacted], 6'	N.D.	----	N.D.	N.D.	N.D.	N.D.	N.D.
[redacted], 10.5'	13	----	N.D.	N.D.	N.D.	N.D.	----
[redacted], 13'	N.D.	----	N.D.	N.D.	24	21	----
[redacted], 6.5'	N.D.	----	N.D.	N.D.	N.D.	N.D.	----
[redacted], 11'	N.D.	----	N.D.	N.D.	N.D.	N.D.	----
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED RECOVERY	91.75	93.4%	98.65	99.1%	103.5%	105.6%	----
DUP SPIKED RECOVERY	91.1%	97.8%	89.3%	89.7%	90.0%	107.6%	----
DETECTION LIMIT	2.5	5	5	5	5	5	10
METHOD OF ANALYSIS	5030/ 8015	3550/ 8015	8020	8020	8020	8020	503 D&E

CHROMALAB, INC.

David Duong
Senior Chemist

Eric Tam
Laboratory Director

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415/831-1788 • Facsimile 415/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 11, 1990

ChromaLab File # 0990147 A

Client: Aqua Science Engineers   Attn: Greg Gouvea
Date Sampled: Sept. 27, 1990   Date Submitted: Sept. 27, 1990
Date Extracted: Oct. 10, 1990   Date Analyzed: Oct. 11, 1990

Project Name: 2896 CV Blvd.
Sample I.D.: B-1,6.5'
Method of Analysis: [redacted]   Matrix: soil

COMPOUND NAME	Sample mg/Kg	MDL mg/Kg	Spike Recovery
PHENOL	N.D.	0.5	-----
BIS(2-CHLOROETHYL) ETHER	N.D.	0.5	96.7% 98.2%
2-CHLOROPHENOL	N.D.	0.5	-----
1,3-DICHLOROBENZENE	N.D.	0.5	-----
1,4-DICHLOROBENZENE	N.D.	0.5	-----
BENZYL ALCOHOL	N.D.	1.0	-----
1,2-DICHLOROBENZENE	N.D.	0.5	-----
2-METHYLPHENOL	N.D.	0.5	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.5	-----
4-METHYLPHENOL	N.D.	0.5	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.5	-----
HEXACHLOROETHANE	N.D.	0.5	-----
NITROBENZENE	N.D.	0.5	-----
ISOPHORONE	N.D.	0.5	-----
2-NITROPHENOL	N.D.	0.5	-----
2,4-DIMETHYLPHENOL	N.D.	0.5	-----
BENZOIC ACID	N.D.	2.5	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.5	102.2% 96.5%
2,4-DICHLOROPHENOL	N.D.	0.5	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.5	-----
NAPHTHALENE	N.D.	0.5	-----
4-CHLOROANILINE	N.D.	1.0	-----
HEXACHLOROBUTADIENE	N.D.	0.5	-----
4-CHLORO-3-METHYLPHENOL	N.D.	1.0	-----
2-METHYLNAPHTHALENE	N.D.	0.5	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.5	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.5	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.5	-----
2-CHLORONAPHTHALENE	N.D.	0.5	-----
2-NITROANILINE	N.D.	2.5	-----
DIMETHYL PHTHALATE	N.D.	0.5	-----
ACENAPHTHYLENE	N.D.	0.5	-----
3-NITROANILINE	N.D.	2.5	-----
ACENAPHTHENE	N.D.	0.5	105.2% 101.2%
2,4-DINITROPHENOL	N.D.	2.5	-----
4-NITROPHENOL	N.D.	2.5	-----
DIBENZOFURAN	N.D.	0.5	-----

(continued on next page)

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

ChromaLab File # 0990147 A

Project Name: 2896 CV Blvd.
Sample I.D.: B-1,6.[redacted]'
Method of Analysis: [redacted] Matrix: soil

COMPOUND NAME	Sample mg/Kg	MDL mg/Kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.5	-----
2,6-DINITROTOLUENE	N.D.	0.5	95.6% 95.2%
DIETHYL PHTHALATE	N.D.	0.5	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.5	-----
FLUORENE	N.D.	0.5	-----
4-NITROANILINE	N.D.	2.5	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	2.5	-----
N-NITROSODIPHENYLAMINE	N.D.	0.5	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.5	-----
HEXACHLOROBENZENE	N.D.	0.5	-----
PENTACHLOROPHENOL	N.D.	2.5	102.5% 95.2%
PHENANTHRENE	N.D.	0.5	-----
ANTHRACENE	N.D.	0.5	-----
DI-N-BUTYL PHTHALATE	N.D.	0.5	-----
FLUORANTHENE	N.D.	0.5	-----
PYRENE	N.D.	0.5	-----
BUTYLBENZYLPHTHALATE	N.D.	0.5	-----
3,3'-DICHLOROBENZIDINE	N.D.	1.0	-----
BENZO(A)ANTHRACENE	N.D.	0.5	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.5	-----
CHRYSENE	N.D.	0.5	95.3% 89.2%
DI-N-OCTYLPHTHALATE	N.D.	0.5	-----
BENZO(B)FLUORANTHENE	N.D.	0.5	-----
BENZO(K)FLUORANTHENE	N.D.	0.5	-----
BENZO(A)PYRENE	N.D.	0.5	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.5	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.5	-----
BENZO(G,H,I)PERYLENE	N.D.	0.5	95.7% 101.3%

ChromaLab, Inc.

David Duong
Senior Chemist

Eric Tam
Lab Director

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CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 11, 1990

ChromaLab File # 0990147 A

Client: Aqua Scienece Engineers
Attn: Greg Gouvea
Date Sampled: Sept. 27, 1990
Date Submitted: Sept. 27, 1990
Date of Analysis: Oct. 10, 1990

Project Name: 2896 CV Blvd.
Sample I.D.: B-1,6.5'
Method of Analysis: [redacted]
Detection Limit: 5 µg/Kg

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	102.3% 98.6%
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	95.5% 96.7%
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	102.3% 96.2%
TETRACHLOROETHENE	N.D.	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	98.2% 101.2%

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October 11, 1990

ChromaLab File # 0990147 B

Client: Aqua Scienece Engineers
Attn: Greg Gouvea
Date Sampled: Sept. 27, 1990
Date Submitted: Sept. 27, 1990
Date of Analysis: Oct. 10, 1990

Project Name: 2896 CV Blvd.
Sample I.D.: B-1 11'
Method of Analysis: EPA 8010
Detection Limit: 200 ug/Kg*

COMPOUND NAME	ug/Kg	Spike Recovery
CHLOROMETHANE	N.D	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	102.3% 98.6%
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	95.5% 96.7%
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	102.3% 96.2%
TETRACHLOROETHENE	N.D.	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	98.2% 101.2%

*Presence of high concentration of gasoline affects detection limit

ChromaLab, Inc.

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CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 11, 1990

ChromaLab File # 0990147 C

Client: Aqua Scienece Engineers Attn: Greg Gouvea
Date Sampled: Sept. 27, 1990 Date Submitted: Sept. 27, 1990
Date of Analysis: Oct. 10, 1990

Project Name: 2896 CV Blvd.
Sample I.D.: B-1,13.5'
Method of Analysis: EPA 8010 Detection Limit: 5 ug/Kg

COMPOUND NAME	ug/Kg	Spike Recovery
CHLOROMETHANE	N.D	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	102.3% 98.6%
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	95.5% 96.7%
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	102.3% 96.2%
TETRACHLOROETHENE	N.D.	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	98.2% 101.2%

ChromaLab, Inc.

David Duong
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CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 11, 1990

ChromaLab File # 0990147 B

Client: Aqua Science Engineers
Attn: Greg Gouvea
Date Sampled: Sept. 27, 1990
Date Submitted: Sept. 27, 1990
Date Extracted: Oct. 10, 1990
Date Analyzed: Oct. 11, 1990

Project Name: 2896 CV Blvd.
Sample I.D.: B-1,11'
Method of Analysis: [redacted]
Matrix: soil

COMPOUND NAME	Sample mg/Kg	MDL mg/Kg	Spike Recovery	
PHENOL	N.D.	0.5	-----	
BIS(2-CHLOROETHYL) ETHER	N.D.	0.5	96.7%	98.2%
2-CHLOROPHENOL	N.D.	0.5	-----	
1,3-DICHLOROBENZENE	N.D.	0.5	-----	
1,4-DICHLOROBENZENE	N.D.	0.5	-----	
BENZYL ALCOHOL	N.D.	1.0	-----	
1,2-DICHLOROBENZENE	N.D.	0.5	-----	
2-METHYLPHENOL	N.D.	0.5	-----	
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.5	-----	
4-METHYLPHENOL	N.D.	0.5	-----	
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.5	-----	
HEXACHLOROETHANE	N.D.	0.5	-----	
NITROBENZENE	N.D.	0.5	-----	
ISOPHORONE	N.D.	0.5	-----	
2-NITROPHENOL	N.D.	0.5	-----	
2,4-DIMETHYLPHENOL	N.D.	0.5	-----	
BENZOIC ACID	N.D.	2.5	-----	
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.5	102.2%	96.5%
2,4-DICHLOROPHENOL	N.D.	0.5	-----	
1,2,4-TRICHLOROBENZENE	N.D.	0.5	-----	
NAPHTHALENE	**7.2**	0.5	-----	
4-CHLOROANILINE	N.D.	1.0	-----	
HEXACHLOROBUTADIENE	N.D.	0.5	-----	
4-CHLORO-3-METHYLPHENOL	N.D.	1.0	-----	
2-METHYLNAPHTHALENE	**5.5**	0.5	-----	
HEXACHLOROCYCLOPENTADIENE	N.D.	0.5	-----	
2,4,6-TRICHLOROPHENOL	N.D.	0.5	-----	
2,4,5-TRICHLOROPHENOL	N.D.	0.5	-----	
2-CHLORONAPHTHALENE	N.D.	0.5	-----	
2-NITROANILINE	N.D.	2.5	-----	
DIMETHYL PHTHALATE	N.D.	0.5	-----	
ACENAPHTHYLENE	N.D.	0.5	-----	
3-NITROANILINE	N.D.	2.5	-----	
ACENAPHTHENE	N.D.	0.5	105.2%	101.2%
2,4-DINITROPHENOL	N.D.	2.5	-----	
4-NITROPHENOL	N.D.	2.5	-----	
DIBENZOFURAN	N.D.	0.5	-----	

(continued on next page)

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Federal ID #68-0140157

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

ChromaLab File # 0990147 B

Project Name: 2896 CV Blvd.
Sample I.D.: B-1,11'
Method of Analysis: [redacted] Matrix: soil

COMPOUND NAME	Sample mg/Kg	MDL mg/Kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.5	-----
2,6-DINITROTOLUENE	N.D.	0.5	95.6% 95.2%
DIETHYL PHTHALATE	N.D.	0.5	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.5	-----
FLUORENE	N.D.	0.5	-----
4-NITROANILINE	N.D.	2.5	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	2.5	-----
N-NITROSODIPHENYLAMINE	N.D.	0.5	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.5	-----
HEXACHLOROBENZENE	N.D.	0.5	-----
PENTACHLOROPHENOL	N.D.	2.5	102.5% 95.2%
PHENANTHRENE	N.D.	0.5	-----
ANTHRACENE	N.D.	0.5	-----
DI-N-BUTYL PHTHALATE	N.D.	0.5	-----
FLUORANTHENE	N.D.	0.5	-----
PYRENE	N.D.	0.5	-----
BUTYLBENZYLPHTHALATE	N.D.	0.5	-----
3,3'-DICHLOROBENZIDINE	N.D.	1.0	-----
BENZO(A)ANTHRACENE	N.D.	0.5	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.5	-----
CHRYSENE	N.D.	0.5	95.3% 89.2%
DI-N-OCTYLPHTHALATE	N.D.	0.5	-----
BENZO(B)FLUORANTHENE	N.D.	0.5	-----
BENZO(K)FLUORANTHENE	N.D.	0.5	-----
BENZO(A)PYRENE	N.D.	0.5	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.5	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.5	-----
BENZO(G,H,I)PERYLENE	N.D.	0.5	95.7% 101.3%

ChromaLab, Inc.

David Duong
Senior Chemist

Eric Tam
Lab Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 11, 1990

ChromaLab File # 0990147 C

Client: Aqua Science Engineers   Attn: Greg Gouvea
Date Sampled: Sept. 27, 1990   Date Submitted: Sept. 27, 1990
Date Extracted: Oct. 10, 1990   Date Analyzed: Oct. 11, 1990

Project Name: 2896 CV Blvd.
Sample I.D.: B-1,13.5'
Method of Analysis: EPA 8270   Matrix: soil

COMPOUND NAME	Sample mg/Kg	MDL mg/Kg	Spike Recovery
PHENOL	N.D.	0.5	-----
BIS(2-CHLOROETHYL) ETHER	N.D.	0.5	96.7% 98.2%
2-CHLOROPHENOL	N.D.	0.5	-----
1,3-DICHLOROBENZENE	N.D.	0.5	-----
1,4-DICHLOROBENZENE	N.D.	0.5	-----
BENZYL ALCOHOL	N.D.	1.0	-----
1,2-DICHLOROBENZENE	N.D.	0.5	-----
2-METHYLPHENOL	N.D.	0.5	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.5	-----
4-METHYLPHENOL	N.D.	0.5	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.5	-----
HEXACHLOROETHANE	N.D.	0.5	-----
NITROBENZENE	N.D.	0.5	-----
ISOPHORONE	N.D.	0.5	-----
2-NITROPHENOL	N.D.	0.5	-----
2,4-DIMETHYLPHENOL	N.D.	0.5	-----
BENZOIC ACID	N.D.	2.5	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.5	102.2% 96.5%
2,4-DICHLOROPHENOL	N.D.	0.5	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.5	-----
NAPHTHALENE	N.D.	0.5	-----
4-CHLOROANILINE	N.D.	1.0	-----
HEXACHLOROBUTADIENE	N.D.	0.5	-----
4-CHLORO-3-METHYLPHENOL	N.D.	1.0	-----
2-METHYLNAPHTHALENE	N.D.	0.5	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.5	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.5	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.5	-----
2-CHLORONAPHTHALENE	N.D.	0.5	-----
2-NITROANILINE	N.D.	2.5	-----
DIMETHYL PHTHALATE	N.D.	0.5	-----
ACENAPHTHYLENE	N.D.	0.5	-----
3-NITROANILINE	N.D.	2.5	-----
ACENAPHTHENE	N.D.	0.5	105.2% 101.2%
2,4-DINITROPHENOL	N.D.	2.5	-----
4-NITROPHENOL	N.D.	2.5	-----
DIBENZOFURAN	N.D.	0.5	-----

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CHROMALAB, INC.

Analytical Laboratory
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- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

ChromaLab File # 0990147 C

Project Name: 2896 CV Blvd.
Sample I.D.: B-1, 13.5'
Method of Analysis: [redacted] Matrix: soil

COMPOUND NAME	Sample mg/Kg	MDL mg/Kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.5	-----
2,6-DINITROTOLUENE	N.D.	0.5	95.6% 95.2%
DIETHYL PHTHALATE	N.D.	0.5	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.5	-----
FLUORENE	N.D.	0.5	-----
4-NITROANILINE	N.D.	2.5	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	2.5	-----
N-NITROSODIPHENYLAMINE	N.D.	0.5	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.5	-----
HEXACHLOROBENZENE	N.D.	0.5	-----
PENTACHLOROPHENOL	N.D.	2.5	102.5% 95.2%
PHENANTHRENE	N.D.	0.5	-----
ANTHRACENE	N.D.	0.5	-----
DI-N-BUTYL PHTHALATE	N.D.	0.5	-----
FLUORANTHENE	N.D.	0.5	-----
PYRENE	N.D.	0.5	-----
BUTYLBENZYLPHTHALATE	N.D.	0.5	-----
3,3'-DICHLOROBENZIDINE	N.D.	1.0	-----
BENZO(A)ANTHRACENE	N.D.	0.5	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.5	-----
CHRYSENE	N.D.	0.5	-----
DI-N-OCTYLPHTHALATE	N.D.	0.5	95.3% 89.2%
BENZO(B)FLUORANTHENE	N.D.	0.5	-----
BENZO(K)FLUORANTHENE	N.D.	0.5	-----
BENZO(A)PYRENE	N.D.	0.5	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.5	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.5	-----
BENZO(G,H,I)PERYLENE	N.D.	0.5	95.7% 101.3%

ChromaLab, Inc.

David Duong
Senior Chemist

Eric Tam
Lab Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 11, 1990 ChromaLab File No.: 0990148

AQUA SCIENCE ENGINEERS, INC.

Attn: Greg Gouvea

RE: Two soil samples for Gasoline/BTEX analysis

Project Location: 2896 CV BLVD
Date Sampled: Sept. 27, 1990 Date Submitted: Sept. 27, 1990
Date Extracted: Oct. 8-10, 1990 Date Analyzed: Oct. 8-10, 1990

RESULTS:

Sample No.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
B-4, 6'	N.D.	N.D.	N.D.	N.D.	N.D.
B-4, 11'	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED RECOVERY	91.7%	98.6%	99.1%	103.5%	105.6%
DETECTION LIMIT	2.5	5	5	5	5
METHOD OF ANALYSIS	5030/ 8015	8020	8020	8020	8020

CHROMALAB, INC.

David Duong
Senior Chemist

Eric Tam
Laboratory Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 19, 1990 ChromaLab File No.: 0990147

AQUA SCIENCE ENGINEERS, INC.

Attn: Greg Gouvea

RE: One soil sample for PCB's analysis

Project Name: 2896 CV BLVD
Date Sampled: Sept. 27, 1990 Date Submitted: Sept. 27, 1990
Date of Analysis: October 11, 1990

RESULTS:

Sample No.	[redacted] (mg/Kg)
B-1, 11'	N.D.
BLANK	N.D.
SPIKED RECOVERY	98.7%
DETECTION LIMIT	0.10
METHOD OF ANALYSIS	8080

CHROMALAB, INC.

David Duong
Senior Chemist

Eric Tam
Laboratory Director

ACCOUNT #	JOB #	AMOUNT

RCVD: CODED: APPRVD:

2239 Omega Road, #1 • San Ramon, California 94583
415/831-1788 • Facsimile 415/831-8798
Federal ID #68-0140157

APPLIED ANALYTICAL

Environmental Laboratories

42501 Albrae St., Suite 100
Fremont, CA 94538
Bus: (415) 623-0775
Fax: (415) 651-8647

ANALYSIS REPORT

metal16.

Report Prepared for:	Date Sampled: 09-28-90
Chromalab, Inc.	Date Received: 09-28-90
2239 Omega Road	Date Analyzed: 10-17-90
San Ramon, CA 94583	Lab Job #: 19502-L
Attention: Eric Tam	Matrix: [redacted]
Project #: 0990147	Concentration Units: mg/kg

731-1788

Metal	Detection Limit	B-1, 6.5' S1009415	B-1, 11' S1009416	STLC	B4, 13.5' S1009417	TTLC
Silver (Ag)	0.2	ND	0.4		ND	
Arsenic (As)	0.5	21	17	5	14	500
Beryllium (Be)	0.1	0.8	0.6		0.5	
Cadmium (Cd)	0.2	1.5	ND		0.5	
Chromium (Cr)	6.0	50	34		[redacted]	2500
Copper (Cu)	1.0	22	15		16	
Mercury (Hg)	2.0	ND	ND		ND	
Nickel (Ni)	0.2	40	32	20	36	2000
Lead (Pb)	30	[redacted]	[redacted]	5	[redacted]	1000
Antimony (Sb)	1.0	7	5		4	
Selenium (Se)	0.2	25	17	1	18	100
Thallium (Tl)	3	7	4		4	
Zinc (Zn)	2	80	47	250	42	5000

ND = Not detected. Compound(s) may be present at concentrations below the detection limit.

PROCEDURES

All metals are extracted by the EPA Method 3050 and analyzed using EPA Method 6010 except for mercury, which is analyzed using EPA Method 7470.

Laboratory Representative

October 17, 1990
Date Reported

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 18, 1990

ChromaLab File No.: 0990164

AQUA SCIENCE ENGINEERS, INC.

Attn: Greg Gouvea

RE: Six soil samples for Gasoline/BTEX, Diesel, and Oil & Grease analyses

Project Location: 2896 CV BLVD.
Date Sampled: Sept. 28, 1990
Date Submitted: Sept. 28, 1990
Date Extracted: Oct. 6-12, 1990
Date Analyzed: Oct. 6-12, 1990

RESULTS:

Sample No.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)	Oil & Grease (mg/Kg)
MW-1, 5.5'	N.D.	----	N.D.	N.D.	N.D.	N.D.	----
MW-1, 11'	14	N.D.	N.D.	N.D.	N.D.	N.D.	32
MW-2, 5'	N.D.	----	N.D.	N.D.	N.D.	N.D.	----
MW-2, 12.5'	N.D.	----	N.D.	N.D.	N.D.	N.D.	----
MW-3, 6.5'	N.D.	----	N.D.	N.D.	N.D.	N.D.	----
MW-3, 10.5'	7.7	----	N.D.	N.D.	57	76	----
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED RECOVERY	91.7%	99.1%	98.6%	99.1%	103.5%	105.6%	----
DUP SPIKED RECOVERY	91.1%	93.4%	89.3%	89.7%	90.0%	107.6%	----
DETECTION LIMIT	2.5	5	5	5	5	5	10
METHOD OF ANALYSIS	5030/ 8015	3550/ 8015	8020	8020	8020	8020	503 D&E

CHROMALAB, INC.

David Duong
Senior Chemist

Eric Tam
Laboratory Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 12, 1990 ChromaLab File # 0990164 B

Client: Aqua Science Engineers Attn: Greg Gouvea
Date Sampled: Sept. 28, 1990 Date Submitted: Sept. 28, 1990
Date Extracted: Oct. 10, 1990 Date Analyzed: Oct. 11, 1990

Project Name: 2896 CV Blvd.
Sample I.D.: MW-1,11'
Method of Analysis: [redacted] Matrix: soil

COMPOUND NAME	Sample mg/Kg	MDL mg/Kg	Spike Recovery
PHENOL	N.D.	0.5	-----
BIS(2-CHLOROETHYL) ETHER	N.D.	0.5	96.7% 98.2%
2-CHLOROPHENOL	N.D.	0.5	-----
1,3-DICHLOROBENZENE	N.D.	0.5	-----
1,4-DICHLOROBENZENE	N.D.	0.5	-----
BENZYL ALCOHOL	N.D.	1.0	-----
1,2-DICHLOROBENZENE	N.D.	0.5	-----
2-METHYLPHENOL	N.D.	0.5	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.5	-----
4-METHYLPHENOL	N.D.	0.5	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.5	-----
HEXACHLOROETHANE	N.D.	0.5	-----
NITROBENZENE	N.D.	0.5	-----
ISOPHORONE	N.D.	0.5	-----
2-NITROPHENOL	N.D.	0.5	-----
2,4-DIMETHYLPHENOL	N.D.	0.5	-----
BENZOIC ACID	N.D.	2.5	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.5	102.2% 96.5%
2,4-DICHLOROPHENOL	N.D.	0.5	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.5	-----
NAPHTHALENE	N.D.	0.5	-----
4-CHLOROANILINE	N.D.	1.0	-----
HEXACHLOROBUTADIENE	N.D.	0.5	-----
4-CHLORO-3-METHYLPHENOL	N.D.	1.0	-----
2-METHYLNAPHTHALENE	N.D.	0.5	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.5	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.5	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.5	-----
2-CHLORONAPHTHALENE	N.D.	0.5	-----
2-NITROANILINE	N.D.	2.5	-----
DIMETHYL PHTHALATE	N.D.	0.5	-----
ACENAPHTHYLENE	N.D.	0.5	-----
3-NITROANILINE	N.D.	2.5	-----
ACENAPHTHENE	N.D.	0.5	105.2% 101.2%
2,4-DINITROPHENOL	N.D.	2.5	-----
4-NITROPHENOL	N.D.	2.5	-----
DIBENZOFURAN	N.D.	0.5	-----

(continued on next page)

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

ChromaLab File # 0990164 B

Project Name: 2896 CV Blvd.
Sample I.D.: MW-1,11'
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/Kg	MDL mg/Kg	Spike Recovery	
2,4-DINITROTOLUENE	N.D.	0.5	-----	
2,6-DINITROTOLUENE	N.D.	0.5	95.6%	95.2%
DIETHYL PHTHALATE	N.D.	0.5	-----	
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.5	-----	
FLUORENE	N.D.	0.5	-----	
4-NITROANILINE	N.D.	2.5	-----	
4,6-DINITRO-2-METHYL PHENOL	N.D.	2.5	-----	
N-NITROSODIPHENYLAMINE	N.D.	0.5	-----	
4-BROMOPHENYL PHENYL ETHER	N.D.	0.5	-----	
HEXACHLOROBENZENE	N.D.	0.5	-----	
PENTACHLOROPHENOL	N.D.	2.5	102.5%	95.2%
PHENANTHRENE	N.D.	0.5	-----	
ANTHRACENE	N.D.	0.5	-----	
DI-N-BUTYL PHTHALATE	N.D.	0.5	-----	
FLUORANTHENE	N.D.	0.5	-----	
PYRENE	N.D.	0.5	-----	
BUTYLBENZYLPHTHALATE	N.D.	0.5	-----	
3,3'-DICHLOROBENZIDINE	N.D.	1.0	-----	
BENZO(A)ANTHRACENE	N.D.	0.5	-----	
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.5	-----	
CHRYSENE	N.D.	0.5	95.3%	89.2%
DI-N-OCTYLPHTHALATE	N.D.	0.5	-----	
BENZO(B)FLUORANTHENE	N.D.	0.5	-----	
BENZO(K)FLUORANTHENE	N.D.	0.5	-----	
BENZO(A)PYRENE	N.D.	0.5	-----	
INDENO(1,2,3 C,D)PYRENE	N.D.	0.5	-----	
DIBENZO(A,H)ANTHRACENE	N.D.	0.5	-----	
BENZO(G,H,I)PERYLENE	N.D.	0.5	95.7%	101.3%

ChromaLab, Inc.

David Duong
Senior Chemist

Eric Tam
Lab Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 12, 1990

ChromaLab File # 0990164 B

Client: Aqua Science Engineers
Attn: Greg Gouvea
Date Sampled: Sept. 28, 1990
Date Submitted: Sept. 28, 1990
Date of Analysis: Oct. 09, 1990

Project Name: 2896 CV Blvd.
Sample I.D.: MW-1 11'
Method of Analysis: EPA 8010
Detection Limit: 5 µg/Kg

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	102.3% 98.6%
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	95.5% 96.7%
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	102.3% 96.2%
TETRACHLOROETHENE	N.D.	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	98.2% 101.2%

ChromaLab, Inc.

David Duong
Senior Chemist

Eric Tam
Lab Director

Disposal Soil Characterization:

On [redacted] for the purposes of disposal characterization, 4 samples were collected from [redacted] (additionally excavated waste oil tank area soil and the "de-mucked" soil) and [redacted] (soil known to contain greater than 100 PPM of oil and grease). These samples are shown on **Figure 9375-B** and labeled as Exc-S/P # 7A, 8A, 9A, & 11A. The 4 samples were composited into one sample at the lab and tested for VOC's (EPA 8240), and RCI - in accordance with the characterization requirements of BFI Vasco Road Landfill. In addition, a discrete sample of [redacted] (de-muck material) was obtained (sample labeled Exc-S/P # 11). This sample was tested for TPHg, TPHd, BTEX, TOG, and Cam 17 Metals. Results were forwarded to BFI Vasco Road for their approval. The table of lab results follows. Analytical lab data and the C.O.C. can be found in **Appendix 1**.

November 8, 1994 Sampling Event

Sample #	*TPHg (PPM)*	*TPHd (PPM)*	*VOC's (PPB)*	*TOG (PPM)*	*R.C.I.*
sidewall → Exc-S/W #5A	NR	NR	NR	ND	NR
stockpile Exc-S/P #11	ND	ND	NR	~~ND~~ 35	NR
Exc-S/P #'s 7A, 8A, 9A, & 11A Composite	NR	NR	ND (ALL)	NR	pH = 7.2 Ign. = NO

Sample EXC-S/P #11 - Cam 17 Metals

Metal	*PPM*	*Metal*	*PPM*
Silver	8.2	Arsenic	ND
Barium	99	Beryllium	ND
Cadmium	ND	Cobalt	8.0
Chromium	25	Copper	17
Mercury	12	Molybdenum	ND
Nickel	27	Lead	ND
Antimony	ND	Selenium	ND
Thallium	ND	Vanadium	34
Zinc	41		

AMER

Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 8015M

CLIENT:
GEN-TECH. ENVIRONMENTAL
1936 Camden Avenue
SAN JOSE, CA 95124
MATRIX: SOIL
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Vallen S.S., Project # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Client I.D.	AMER I.D.	8015M/ TPH-GASOLINE	DF
W/O-S/P#1	E4053115	ND	1
Units		mg/kg	
Detection Limits (DL)		1.0mg/kg	

ND Not Detected. All analytes recorded as ND were found to be under the limit of detection.

Reviewed By

Lei Chen

Lei Chen, Laboratory Manager

AMER

Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 8020

CLIENT:
GEN-TECH. ENVIRONMENTAL
1936 Camden Avenue
SAN JOSE, CA 95124
MATRIX: SOIL
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Vallen S.S., Project # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Client I.D.	AMER I.D.	Benzene	Toluene	Ethyl Benzene	Total Xylene	DF
W/O-S/P#1	E4053115	ND	ND	ND	ND	1
Units		ug/kg	ug/kg	ug/kg	ug/kg	
Detection Limits (DL)		5.0ug/kg	5.0ug/kg	5.0ug/kg	10ug/kg	

ND Not Detected. All analytes recorded as ND were found to be under the limit of detection.

Reviewed By

Lei Chen

Lei Chen, Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

AMER

Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 6000/7000

CLIENT:
GEN-TECH. ENVIRONMENTAL
1936 Camden Avenue
SAN JOSE, CA 95124
MATRIX: SOIL
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Vallen S.S., Project # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Metal Analysis:Cadmium (Cd)
Sample Matrix: SOIL
Dilution Factor: 1

Client I.D.	AMER I.D.	Metal Concentration	Detection Limit	Units
EXT.-S/W#1(A)	E4053110	**0.24**	0.02	mg/kg
EXT.-S/W#2(A)	E4053111	**0.13**	0.01	mg/kg
EXT.-S/W#3(A)	E4053112	**0.17**	0.01	mg/kg
EXT.-S/W#4(A)	E4053113	**0.24**	0.02	mg/kg
W/O-S/P#1	E4053115	**0.38**	0.03	mg/kg

ND = Not Detected. Analyte reported as ND was not present above the stated limit of detection.

Reported by:

Lei Chen

Lei Chen, Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

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AMER

Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 6000/7000

CLIENT:
GEN-TECH. ENVIRONMENTAL
1936 Camden Avenue
SAN JOSE, CA 95124
MATRIX: SOIL
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Vallen S.S., Project # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Metal Analysis:Chromium (Cr)
Sample Matrix: SOIL
Dilution Factor: 1

Client I.D.	AMER I.D.	Metal Concentration	Detection Limit	Units
EXT.-S/W#1(A)	E4053110	7.0	0.06	mg/kg
EXT.-S/W#2(A)	E4053111	3.9	0.03	mg/kg
EXT.-S/W#3(A)	E4053112	4.7	0.03	mg/kg
EXT.-S/W#4(A)	E4053113	7.6	0.06	mg/kg
W/O-S/P#1	E4053115	9.7	0.08	mg/kg

ND = Not Detected. Analyte reported as ND was not present above the stated limit of detection.

Reported by:

Lei Chen

Lei Chen, Laboratory Manager

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Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 6000/7000

CLIENT:
GEN-TECH. ENVIRONMENTAL
1936 Camden Avenue
SAN JOSE, CA 95124
MATRIX: SOIL
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Vallen S.S., Project # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Metal Analysis:Lead (Pb)
Sample Matrix: SOIL
Dilution Factor: 1

Client I.D.	AMER I.D.	Metal Concentration	Detection Limit	Units
EXT.-S/W#1(A)	E4053110	2.6	0.2	mg/kg
EXT.-S/W#2(A)	E4053111	2.0	0.1	mg/kg
EXT.-S/W#3(A)	E4053112	2.6	0.1	mg/kg
EXT.-S/W#4(A)	E4053113	6.6	0.2	mg/kg
W/O-S/P#1	E4053115	7.3	0.3	mg/kg

ND = Not Detected. Analyte reported as ND was not present above the stated limit of detection.

Reported by:

Lei Chen

Lei Chen, Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

AMER
Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 6000/7000

CLIENT:
GEN-TECH ENVIRONMENTAL
1936 Camden Avenue, #1
San Jose, CA 95124
MATRIX: SOIL
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Valley S.S., # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Metal Analysis: Zinc (Zn)
Sample Matrix: SOIL
Dilution Factor: 1

Client I.D.	AMER I.D.	Metal Concentration	Detection Limit	Units
EXT.-S/W#1(A)	E4053110	32	1.0	mg/kg
EXT.-S/W#2(A)	E4053111	32	1.0	mg/kg
EXT.-S/W#3(A)	E4053112	39	1.0	mg/kg
EXT.-S/W#4(A)	E4053113	40	1.0	mg/kg
W/O-S/P#1	E4053115	38	1.0	mg/kg

ND = Not Detected. Analyte reported as ND was not present above the stated limit of detection.

Reported by:

Lei Chen, Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

AMER

Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 6000/7000

CLIENT:
GEN-TECH ENVIRONMENTAL
1936 Camden Avenue, #1
San Jose, CA 95124
MATRIX: SOIL
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Valley S.S., # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Metal Analysis: Nickel (Ni)
Sample Matrix: SOIL
Dilution Factor: 1

Client I.D.	AMER I.D.	Metal Concentration	Detection Limit	Units
EXT.-S/W#1(A)	E4053110	19	2.0	mg/kg
EXT.-S/W#2(A)	E4053111	19	2.0	mg/kg
EXT.-S/W#3(A)	E4053112	21	2.0	mg/kg
EXT.-S/W#4(A)	E4053113	23	2.0	mg/kg
W/O-S/P#1	E4053115	24	2.0	mg/kg

ND = Not Detected. Analyte reported as ND was not present above the stated limit of detection.

Reported by:

Lei Chen, Laboratory Manager

AMER
Advanced Materials Engineering Research, Inc.

ANALYSIS REPORT
(ELAP Certificate No. 1909)
EPA METHOD 6000/7000

CLIENT:
GEN-TECH ENVIRONMENTAL
1936 Camden Avenue, #1
San Jose, CA 95124
MATRIX: SOIL
PROJECT MANAGER: Eric Lissol
PROJECT: Castro Valley S.S., # 9375

DATE SAMPLED: 05-26-94
DATE RECEIVED: 05-31-94
DATE REPORTED: 06-07-94
AMER ID: E234

Metal Analysis: Selenium (Se)
Sample Matrix: SOIL
Dilution Factor: 5

Client I.D.	AMER I.D.	Metal Concentration	Detection Limit	Units
EXT.-S/W#1(A)	E4053110	ND	1.3	mg/kg
EXT.-S/W#2(A)	E4053111	ND	1.3	mg/kg
EXT.-S/W#3(A)	E4053112	ND	1.3	mg/kg
EXT.-S/W#4(A)	E4053113	ND	1.3	mg/kg
W/O-S/P#1	E4053115	ND	1.3	mg/kg

ND = Not Detected. Analyte reported as ND was not present above the stated limit of detection.

Reported by:

Lei Chen, Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

Geochem ENVIRONMENTAL LABORATORIES
Mobile & In-House Laboratories Certified by State of California
Phone: (408) 955-9988 / FAX: (408) 955-9538

ANALYTICAL REPORT

Client: Gen-Tech Environmental
1936 Camden Ave., Ste.1
San Jose, CA 95124
Attn: Ben Halsted

Date Sampled: 10/25/93
Date Received: 10/29/93
Date Analyzed: 11/02/93
Batch:SD-310 Matrix: Soil
Conc. Unit mg/kg (ppm)

Project: Diversified Loans (Proj.#9375-R)

"ND" means "not detected" at indicated detection limit.
B:benzene, T:toluene, E:ethylbenzene & X:total xylenes.
Samples recieved chilled with a chain of custody record.

SAMPLE I.D.	TOG 5520F	8015M/TPH Gasoline	8020 B / T / E / X
DETECTION LIMIT	1 ppm	0.05 ppm	0.0005 ppm
S/W #1		64.11	1.103/ 4.135/ 4.866/ 25.05
S/W #2		29.49	0.0559/0.5480/ 1.187/ 6.636
S/W #3		1.28	ND /0.0716/0.0124/0.1213
S/W #4		4.35	ND /0.1889/0.0133/0.1018
S/W #5	3980	1.25	ND /0.2073/0.0274/0.1653
S/W #6	955	5.09	0.3064/ 1.009/0.0150/0.6112

RECEIVED
NOV 8 1993
ANSWERED

Reviewed and approved by George Tsai, Nov. 03, 1993
George Tsai, Laboratory Director

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

August 19, 1994

PEL # 9408074

GEN-TECH ENVIRONMENTAL

Attn: Stuart Solomon
Re: Twelve soil sample for Gasoline/BTEX, Diesel and Oil & Grease analyses.

Project name: Castro Valley S.S.
Project number: 9375

Date sampled: Aug 17, 1994
Date extracted: Aug 18-19, 1994
Date submitted: Aug 18, 1994
Date analyzed: Aug 18-19,1994

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)	Oil & Grease (mg/Kg)
EXC-S/P # 1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
EXC-S/P # 2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
EXC-S/P # 3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
EXC-S/P # 4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	43
EXC-S/P # 5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	97
EXC-S/P # 6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	88
EXC-S/P # 7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	280
EXC-S/P # 8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	270
EXC-S/P # 9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	220
EXC-S/P # 10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	71
O/B-S/P#1-ABCD	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	20
O/B-S/P#2-ABCD	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	32
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	85.3%	91.6%	97.8%	92.6%	89.4%	103.7%	---
Detection limit	1.0	1.0	5.0	5.0	5.0	5.0	10
Method of Analysis	5030 / 8015	3550 / 8015	8020	8020	8020	8020	5520 D & F

*Composited soil samples.

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

AMER

Advanced Materials Engineering Research, Inc.

EPA METHODS 610/8100 ANALYSIS REPORT
(ELAP CERTIFICATE NO. 1909)

Client: GEN-TECH ENVIRONMENTAL, INC.
1936 Camden Avenue, #1
San Jose, CA 95124
Project Manager: Eric Lissol
Project: Castro Valley S.S., #9375
Sample Name: EXT.-S/W #1(A) (E4053110)

Date Sampled: 05-26-94
Date Received: 05-31-94
Date Reported: 06-08-94
Sample Matrix: SOIL
AMER Report #: E234

COMPOUND	CAS #	CONC. (ug/kg)	DETECTION LIMIT (ug/kg)
acenaphthylene		ND	100
acenaphthene*		ND	100
anthracene		ND	100
benzo (a) anthrancene		ND	250
benzo(a)pyrene**		ND	250
benzo(b)fluoranthene		ND	250
benzo(g,h,i)perylene		ND	100
benzo(k) fluoranthene		ND	100
1-chloronaphthalene		ND	100
2-chloronaphthalene		ND	100
chrysene		ND	100
dibenzo(a,h)anthracene		ND	100
dibenzo(a,j)acridine		ND	100
fluoranthene*		ND	250
fluorene		ND	100
indeno(1,2,3-cd)pyrene		ND	100
3-methylcholanthrene		ND	100
naphthalene		ND	100
phenanthrene		ND	100
pyrene		ND	100

Reviewed By:

Lei Chen

Lei Chen, Env. Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

AMER
Advanced Materials Engineering Research, Inc.

EPA METHODS 610/8100 ANALYSIS REPORT
(ELAP CERTIFICATE NO. 1909)

Client: GEN-TECH ENVIRONMENTAL, INC.
1936 Camden Avenue, #1
San Jose, CA 95124
Project Manager: Eric Lissol
Project: Castro Valley S.S., #9375
Sample Name: EXT.-S/W #2(A) (E4053111)

Date Sampled: 05-26-94
Date Received: 05-31-94
Date Reported: 06-08-94
Sample Matrix: SOIL
AMER Report #: # E234

COMPOUND	CAS #	CONC. ug/kg	DETECTION LIMIT ug/kg
acenaphthylene		ND	100
acenaphthene*		ND	100
anthracene		ND	100
benzo (a) anthrancene		ND	250
benzo(a)pyrene**		ND	250
benzo(b)fluoranthene		ND	250
benzo(g,h,i)perylene		ND	100
benzo(k) fluoranthene		ND	100
1-chloronaphthalene		ND	100
2-chloronaphthalene		ND	100
chrysene		ND	100
dibenzo(a,h)anthracene		ND	100
dibenzo(a,j)acridine		ND	100
fluoranthene*		ND	250
fluorene		ND	100
indeno(1,2,3-cd)pyrene		ND	100
3-methylcholanthrene		ND	100
naphthalene		ND	100
phenanthrene		ND	100
pyrene		ND	100

Reviewed By:

Lei Chen

Lei Chen, Env. Laboratory Manager

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AMER
Advanced Materials Engineering Research, Inc.

EPA METHODS 610/8100 ANALYSIS REPORT
(ELAP CERTIFICATE NO. 1909)

Client: GEN-TECH ENVIRONMENTAL, INC.
1936 Camden Avenue, #1
San Jose, CA 95124
Project Manager: Eric Lissol
Project: Castro Valley S.S., #9375
Sample Name: EXT.-S/W #3(A) (E4053112)

Date Sampled: 05-26-94
Date Received: 05-31-94
Date Reported: 06-08-94
Sample Matrix: SOIL
AMER Report #: # E234

COMPOUND	CAS #	CONC. ug/kg	DETECTION LIMIT ug/kg
acenaphthylene		ND	100
acenaphthene*		ND	100
anthracene		ND	100
benzo (a) anthrancene		ND	250
benzo(a)pyrene**		ND	250
benzo(b)fluoranthene		ND	250
benzo(g,h,i)perylene		ND	100
benzo(k) fluoranthene		ND	100
1-chloronaphthalene		ND	100
2-chloronaphthalene		ND	100
chrysene		ND	100
dibenzo(a,h)anthracene		ND	100
dibenzo(a,j)acridine		ND	100
fluoranthene*		ND	250
fluorene		ND	100
indeno(1,2,3-cd)pyrene		ND	100
3-methylcholanthrene		ND	100
naphthalene		ND	100
phenanthrene		ND	100
pyrene		ND	100

Reviewed By:

Lei Chen

Lei Chen, Env. Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

AMER
Advanced Materials Engineering Research, Inc.

EPA METHODS 610/8100 ANALYSIS REPORT
(ELAP CERTIFICATE NO. 1909)

Client: GEN-TECH ENVIRONMENTAL, INC.
1936 Camden Avenue, #1
San Jose, CA 95124
Project Manager: Eric Lissol
Project: Castro Valley S.S., #9375
Sample Name: EXT.-S/W #4(A) (E4053113)

Date Sampled: 05-26-94
Date Received: 05-31-94
Date Reported: 06-08-94
Sample Matrix: SOIL
AMER Report #: # E234

COMPOUND	CAS #	CONC. ug/kg	DETECTION LIMIT ug/kg
acenaphthylene		ND	100
acenaphthene*		ND	100
anthracene		ND	100
benzo (a) anthrancene		ND	250
benzo(a)pyrene**		ND	250
benzo(b)fluoranthene		ND	250
benzo(g,h,i)perylene		ND	100
benzo(k) fluoranthene		ND	100
1-chloronaphthalene		ND	100
2-chloronaphthalene		ND	100
chrysene		ND	100
dibenzo(a,h)anthracene		ND	100
dibenzo(a,j)acridine		ND	100
fluoranthene*		ND	250
fluorene		ND	100
indeno(1,2,3-cd)pyrene		ND	100
3-methylcholanthrene		ND	100
naphthalene		ND	100
phenanthrene		ND	100
pyrene		ND	100

Reviewed By:

Lei Chen

Lei Chen, Env. Laboratory Manager

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AMER
Advanced Materials Engineering Research, Inc.

EPA METHODS 610/8100 ANALYSIS REPORT
(ELAP CERTIFICATE NO. 1909)

Client: GEN-TECH ENVIRONMENTAL, INC.
1936 Camden Avenue, #1
San Jose, CA 95124
Project Manager: Eric Lissol
Project: Castro Valley S.S., #9375
Sample Name: EXC.-GWS,#1 (E4053114)

Date Sampled: 05-26-94
Date Received: 05-31-94
Date Reported: 06-08-94
Sample Matrix: WATER
AMER Report #: E234

COMPOUND	CAS #	CONC. ug/l	DETECTION LIMIT ug/l
acenaphthylene		ND	0.27
acenaphthene*		ND	0.28
anthracene		ND	0.28
benzo (a) anthrancene		ND	0.29
benzo(a)pyrene**		ND	0.17
benzo(b)fluoranthene		ND	0.20
benzo(g,h,i)perylene		ND	0.25
benzo(k) fluoranthene		ND	0.20
1-chloronaphthalene		ND	0.50
2-chloronaphthalene		ND	0.30
chrysene		ND	0.24
dibenzo(a,h)anthracene		ND	0.26
dibenzo(a,j)acridine		ND	0.50
fluoranthene*		ND	0.32
fluorene		ND	0.27
indeno(1,2,3-cd)pyrene		ND	0.23
3-methylcholanthrene		ND	0.50
naphthalene		ND	0.29
phenanthrene		ND	0.30
pyrene		ND	0.33

Reviewed By:

Lei Chen, Env. Laboratory Manager

783 East Evelyn Ave., Sunnyvale, CA 94086 Tel. (408) 738-3033 Fax. (408) 738-3035

AMER

Advanced Materials Engineering Research, Inc.

EPA METHODS 610/8100 ANALYSIS REPORT
(ELAP CERTIFICATE NO. 1909)

Client: GEN-TECH ENVIRONMENTAL, INC.
1936 Camden Avenue, #1
San Jose, CA 95124
Project Manager: Eric Lissol
Project: Castro Valley S.S., #9375
Sample Name: W/O - S/P #1 (E4053115)

Date Sampled: 05-26-94
Date Received: 05-31-94
Date Reported: 06-08-94
Sample Matrix: SOIL
AMER Report #: # E234

COMPOUND	CAS #	CONC. ug/kg	DETECTION LIMIT ug/kg
acenaphthylene		ND	100
acenaphthene*		ND	100
anthracene		ND	100
benzo (a) anthrancene		ND	250
benzo(a)pyrene**		ND	250
benzo(b)fluoranthene		ND	250
benzo(g,h,i)perylene		ND	100
benzo(k) fluoranthene		ND	100
1-chloronaphthalene		ND	100
2-chloronaphthalene		ND	100
chrysene		ND	100
dibenzo(a,h)anthracene		ND	100
dibenzo(a,j)acridine		ND	100
fluoranthene*		ND	250
fluorene		ND	100
indeno(1,2,3-cd)pyrene		ND	100
3-methylcholanthrene		ND	100
naphthalene		ND	100
phenanthrene		ND	100
pyrene		ND	100

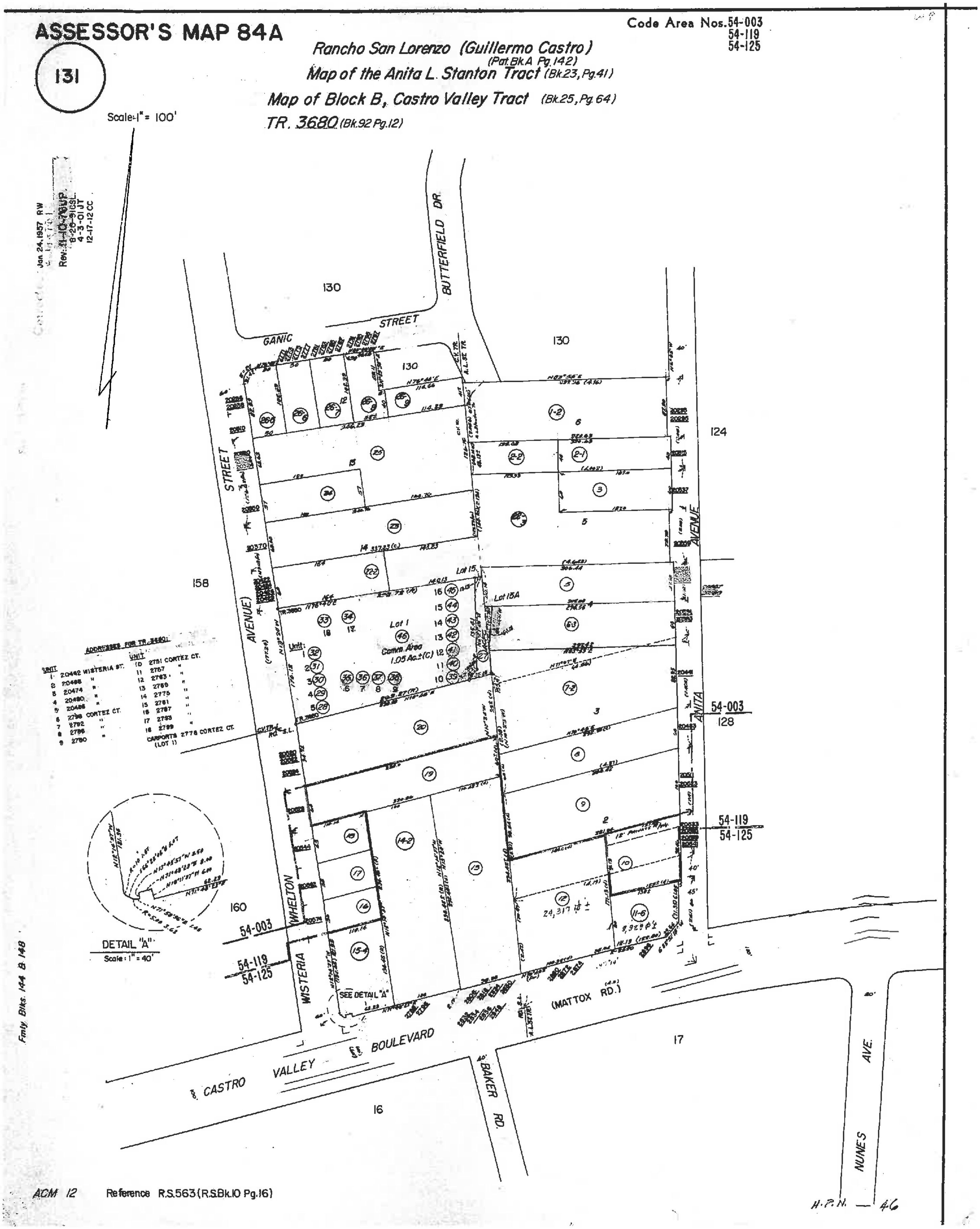
Reviewed By:

Lei Chen

Lei Chen, Env. Laboratory Manager

ATTACHMENT 6

For Assessment Use Only



COUNTY OF ALAMEDA
Assessor's Office
Property Value System

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New Query

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Parcel Number:**84A-131-11-6** Inactive:**N** Lien Date:**01/01/2016** Owner:**JIANG JAMES & WONG HILDA**
Property Address: **2896 CASTRO VALLEY BLVD, CASTRO VALLEY, CA 94546-5506**
Current Mailing Address as of 11/05/2013: **JIANG JAMES & WONG HILDA, PO BOX 2682 , FREMONT, CA 94536-0682**
Parcel History

Mailing Name		Historical Mailing Address	Document Date	Document Number	Value From Trans Tax	Parcel Count	Use
JIANG JAMES & WONG HILDA	List Owners	PO BOX 2945 , CASTRO VALLEY, CA 94546-0945	03/10/1995	1995-53987	$180,000	1	8100
LINCOLN TRUST CO TR ETAL	List Owners	PO BOX 5831 , DENVER, CO 80217	03/10/1995	1995-53986		1	8100
CALIFORNIA CENTRAL TRUST BANK TR ETAL	List Owners	PO BOX 31051 , LAGUNA HILLS, CA 92654-1051	11/18/1994	1994-364199		1	8100
CALIFORNIA CENTRAL TRUST BANK TR ETAL c/o DIVERSIFIED LOAN SVC	List Owners	257 E CAMPBELL AVE , CAMPBELL, CA 95008-2057	04/19/1994	1994-151382		1	8100
FROST ROBERT M c/o LAKESHORE FINANCIAL	List Owners	21060 REDWOOD RD , CASTRO VALLEY, CA 94546-5931	06/29/1989	1989-174184		2	8100

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.

ATTACHMENT 7

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

WALT'S AUTO TEC
2896 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CA
FUEL LEAK CASE RO0000158
GEOTRACKER GLOBAL ID T0600100903

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 22, 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 RO0000158 in any correspondence.

BAEK DALE S & SOON Y
PARCEL #: 84A-131-12
550 MAGDALENA AVE
LOS ALTOS CA 94024-5233

BREILH SHERRY A TR
PARCEL #: 84A-17-1-3
4319 RAILROAD AVE #A
PLEASANTON CA 94566-6686

CAMPBELL PLAZA THEATERS INC
PARCEL #: 84A-17-4
P.O BOX 54100
SAN JOSE CA 95154-0100

CLARK ALMA L
PARCEL #: 84A-17-5
PO BOX 20701
CASTRO VALLEY CA 94546-8701

CROLL EDWIN T & TRACY L TRS
PARCEL #: 84A-131-13
PO BOX 483
DANVILLE CA 94526-0483

JIANG JAMES & WONG HILDA
PARCEL #: 84A-131-11-6
75 BURNHAM PL
FREMONT CA 94539-3057

K & K PETROLEUM LLC
PARCEL #: 84A-128-2-11
6071 LAUREL CREEK DR
PLEASANTON CA 94588-4654

LARRY AND VIVIANE KUZNI TRS
PARCEL #: 84A-17-6-1
21454 KNUPPE PL
CASTRO VALLEY CA 94552-5100

LECKBAND MARILYN E TR
PARCEL #: 84A-131-10
71 BROADWAY LN
OAKLEY CA 94561-3626

OCCUPANT
PARCEL #: 84A-131-10
20535 ANITA AVE
CASTRO VALLEY CA 94546

OCCUPANT
PARCEL #: 84A-131-11-6
2896 CASTRO VALLEY BLVD
CASTRO VALLEY CA 94546

OCCUPANT
PARCEL #: 84A-131-12
2874 CASTRO VALLEY BLVD
CASTRO VALLEY CA 94546

OCCUPANT
PARCEL #: 84A-128-2-11
2920 CASTRO VALLEY BLVD
CASTRO VALLEY CA 94546

OCCUPANT
PARCEL #: 84A-17-6-1
2881 CASTRO VALLEY BLVD
CASTRO VALLEY CA 94546

OCCUPANT
PARCEL #: 84A-17-3
2837 CASTRO VALLEY BLVD
CASTRO VALLEY CA 94546

OCCUPANT
PARCEL #: 84A-17-4
2845 CASTRO VALLEY BLVD
CASTRO VALLEY CA 94546

OCCUPANT
PARCEL #: 84A-17-5
2869 CASTRO VALLEY BLVD
CASTRO VALLEY CA 94546

OCCUPANT
PARCEL #: 84A-17-1-3
2805 CASTRO VALLEY BLVD
CASTRO VALLEY CA 94546

OCCUPANT
PARCEL #: 84A-131-13
2806 CASTRO VALLEY BLVD
CASTRO VALLEY CA 94546

ODYSSEY SUBS LLC
PARCEL #: 84A-17-3
9000 CROW CANYON RD #392
DANVILLE CA 94506-1189

Case Closure Contacts for Unincorporated County Areas (West of Hills)

Regional Water Quality Control Board
Cherie McCaulou
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612
Cherie.MCcaulou@waterboards.ca.gov

East Bay Municipal Utility District
Chandra Johannesson
P.O. Box 24055
Oakland, Ca 94623
cjohanne@ebmud.com

Alameda County Public Works
Kwablah Attiogbe
399 Elmhurst St, Hayward Ca 94544
kwablah@acpwa.org

Sandra Rivera, Assistant Planning Director
Alameda County Planning Department, Community Development Agency
224 West Winton Ave. Rm. 111
Hayward, CA 94544-1215
Sandra.rivera@acgov.org