

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

ALEX BRISCOE, Agency Director



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

October 22, 2013

Mr. Richard Lum and Ms. Linda Lum
2188 Hillside Drive
San Leandro, CA 94577-6369

Mr. Victor Lum
Vic's Automotive
245 8th Street
Oakland, CA 94607

Subject: Case Closure for Fuel Leak Case No. RO0000202 and GeoTracker Global ID T0600101143, Vic's Automotive, 245 8th Street, Oakland, CA 94607

Dear Mr. and Ms. Lum and Victor Lum:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). 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.swrcb.ca.gov>) and the Alameda County Environmental Health website (<http://www.acgov.org/aceh/index.htm>).

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Total Petroleum Hydrocarbons as gasoline remains in soil at concentrations up to 7,500 ppm at a depth of 20 feet below ground surface (bgs).
- Benzene remains in soil at concentrations up to 100 ppm at a depth of 209 feet bgs.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

A handwritten signature in blue ink, appearing to read "Donna Drogos".

Donna Drogos, P.E.
Division Chief

Enclosures:

1. Remedial Action Completion Certification
2. Case Closure Summary

cc:

Leroy Griffin, Oakland Fire Department, 250
Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA
94612-2032 (*Sent via E-mail to:*
lgriffin@oaklandnet.com)

Closure Unit
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120
(*uploaded to GeoTracker*)

Robert Flory
AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(*Sent via E-mail to:* rflory@aeiconsultants.com)

Peter McIntyre
AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597 (*Sent via E-mail to:*
pmcintyre@aeiconsultants.com)

Donna Drogos, ACEH (*Sent via E-mail to:* donna.drogos@acgov.org)
Jerry Wickham, ACEH (*Sent via E-mail to:* jerry.wickham@acgov.org)

GeoTracker (w/enc)
eFile (w/orig enc)

ALAMEDA COUNTY
**HEALTH CARE SERVICES
AGENCY**

ALEX BRISCOE, Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

REMEDIAL ACTION COMPLETION CERTIFICATION

October 22, 2013

Mr. Richard Lum and Ms. Linda Lum
2188 Hillside Drive
San Leandro, CA 94577-6369

Mr. Victor Lum
Vic's Automotive
245 8th Street
Oakland, CA 94607

Subject: Case Closure for Fuel Leak Case No. RO0000202 and GeoTracker Global ID T0600101143, Vic's Automotive, 245 8th Street, Oakland, CA 94607

Dear Mr. and Ms. Lum and Victor Lum:

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 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

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 (h) of Section 25299.37 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,


Ariu Levi
Director

**CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM**

I. AGENCY INFORMATION

Date: March 28, 2013

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Vic's Automotive Service		
Site Facility Address: 245 8 th Street, Oakland, CA 94607		
RB Case No.: 01-1244	Local Case No.: STID 263	LOP Case No.: RO0000202
URF Filing Date: 06/28/1993	Geotracker ID: T0600101143	APN: 1-179-13
Responsible Parties	Addresses	Phone Numbers
Richard and Linda Lum	Richard and Linda Lum Trust 2188 Hillside Dr. San Leandro, CA 94577	---
Victor Lum	Vic's Automotive Service 245 8 th Street Oakland, CA 945607	---

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	1,000	Gasoline	Removed	June 1993
2	1,000	Gasoline	Removed	June 1993
3	1,000	Gasoline	Removed	June 1993
4	1,000	Gasoline	Removed	June 1993
5	250	Waste Oil	Removed	June 1993
6	6,000	Gasoline	Removed	August 1994
7	6,000	Gasoline	Removed	August 1994
Piping			Removed	June 1993

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. Two holes were observed during removal of the 250-gallon waste oil tank. No holes or other signs of failure were observed in the remaining tanks.		
Site characterization complete? Yes	Date Approved By Oversight Agency: ----	
Monitoring wells installed? Yes	Number: 16	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 12.61 feet bgs	Lowest Depth: 20.44 feet bgs	Flow Direction: Southwest
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: A domestic well may be located approximately 1,450 feet northeast of the site. Based on the upgradient location and distance from the site, the domestic well is not expected to be a receptor for the site. An irrigation well is located approximately 1,900 feet east southeast of the site. Based on the crossgradient location and distance from the site, the irrigation well is not expected to be a receptor for the site. No other water supply wells appear to be located within 2,000 feet of the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: Lake Merritt and the Oakland Inner Harbor are located approximately one-half mile to the northeast and south of the site, respectively.
Off-Site Beneficial Use Impacts (Addresses/Locations): None identified.	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	1) Four 1,000-gallon and one 250-gallon 2) Two 6,000-gallon	1), 2) The tanks were disposed of at the Erickson, Inc. facility in Richmond, CA.	1) June 1993 2) August 1994
Piping	Not reported	The piping was disposed of at the Erickson, Inc. facility in Richmond, CA.	June 1993 and August 1994
Free Product	140 gallons	Free product recovery system installed in well MW-1. Product removed off-site.	July 2001 through February 2002
Soil	----	----	----
Groundwater	80,740 gallons	Discharged to sanitary sewer under permit.	July 11 to July 27, 2005
	2,407,380 gallons	Discharged to sanitary sewer under permit.	June 28, 2007 to June 20, 2011

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
 (Please see Attachments 1 through 6 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	9,100	7,500 (1)	310,000 (2)	250 (2)
TPH (Diesel)	4.6	4.6	NA	NA
Oil and Grease	2,100	2,100	NA	NA
Benzene	100	100	52,000 (3)	81 (3)
Toluene	580	490 (1)	47,000 (4)	0.98 (4)
Ethylbenzene	190	130 (1)	4,600 (5)	12 (5)
Xylenes	1,000	700 (1)	23,000 (6)	11 (6)
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	90 (7)	90 (7)	NA	NA
MTBE	85 (8)	2.4 (9)	100,000 (10)	<15 (11)
Other (8240/8270)	NA	NA	<5 (12)	<5 (12)

- (1) Maximum soil concentrations after cleanup are from soil sampling events conducted in 2009 or later.
- (2) Maximum concentration before cleanup is a grab groundwater sample from boring SB-4 collected on April 2, 2003; maximum concentration after cleanup is from the most recent groundwater monitoring event on May 4, 2012.
- (3) Maximum concentration before cleanup is a groundwater sample from monitoring well MW-12, collected on February 3, 2005; maximum concentration after cleanup is from the most recent groundwater monitoring event on May 4, 2012.
- (4) Maximum concentration before cleanup is a groundwater sample from monitoring well MW-11, collected on November 9, 2005; maximum concentration after cleanup is from the most recent groundwater monitoring event on May 4, 2012.
- (5) Maximum concentration before cleanup is a groundwater sample from monitoring well MW-2, collected on November 5, 2002; maximum concentration after cleanup is from the most recent groundwater monitoring event on May 4, 2012.
- (6) Maximum concentration before cleanup is a groundwater sample from monitoring well MW-11, collected on May 29, 2007; maximum concentration after cleanup is from the most recent groundwater monitoring event on May 4, 2012.
- (7) Lead = 90 ppm; Cadmium = 0.7 ppm; Chromium = 30 ppm; Nickel = 26 ppm; and Zinc = 31 ppm.
- (8) MTBE = 85 ppm; TBA; DIPE, ETBE, TAME, EDB, and EDC not analyzed in soil
- (9) MTBE = 2.4 ppm; TBA; DIPE, ETBE, TAME, EDB, and EDC not analyzed in soil
- (10) MTBE = 100,000 ppb (Sample collected from MW-12 on February 3, 2005); TBA = 790 ppb, TAME = 100 ppb, DIPE, ETBE, EDB, and 1,2-DCA < 1,200 ppb (grab groundwater samples collected April 4, 2003).
- (11) From the most recent groundwater monitoring event on May 4, 2012: MTBE <15 ppb in all wells sampled; EDB and 1,2-DCA < 5 ppb in all wells sampled on 11/08/2006; DIPE, ETBE, and TAME not analyzed since 2003.
- (12) VOCs <5.0 ppb in all wells sampled on 11/08/2006.

NA = Not Analyzed

Site History and Description of Corrective Actions:

The site is currently occupied by Vic's Auto, an automotive repair facility equipped with one 13,000-gallon underground storage tank (UST). Surrounding land use is mixed commercial and residential. Soils in the vicinity of the site are mostly fine to medium sand, with varying silt and clay content.

On June 17, 1993, four 1,000-gallon gasoline USTs and one 250-gallon waste oil UST were removed from the site. No groundwater was encountered during excavation activities. The tank conditions were slightly rusted, with two visible holes noted in the waste oil tank. Soil samples collected from the gasoline UST pit and waste oil UST pit contained up to 24 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPHg) and 2,100 ppm Total Oil and Grease (TOG), respectively. The waste oil tank pit was over-excavated and re-sampled. The over-excavation soil sample contained 3.9 ppm TPHg.

On August 23, 1994, the two remaining 6,000-gallon gasoline tanks were removed from the site. The UST located in the northern corner of the site was replaced with a 13,000-gallon gasoline UST. Fourteen soil samples were collected from the tank pits and soil stockpiles. The soil samples collected from beneath the southern-most tank contained the greatest petroleum hydrocarbon concentrations of 160 ppm TPHg and 0.82 ppm benzene. The two tank pits were subsequently over-excavated to approximately 19 feet below ground surface (bgs). Heavily contaminated groundwater and soils were encountered. Confirmation soil samples collected after over-excavation contained up to 3,900 ppm TPHg and 6.1 ppm benzene.

On July 14, 1995, two soil borings were advanced and completed as groundwater monitoring wells (MW-1 and MW-2). Soil samples were collected from each boring at approximately five-foot intervals. Well MW-1 was not sampled for groundwater because free product was observed in the well at a thickness of 2.22 feet. Groundwater depth at the site was measured to be 17.21 feet bgs. The soil samples contained up to 390 ppm TPHg and 0.3 ppm benzene. The groundwater sample from MW-2 contained 68,000 parts per billion (ppb) TPHg and 480 ppb benzene.

On August 8, 1996, three soil borings (SB-1 through SB-3) were advanced to depths ranging between 24 and 25 feet bgs. Soil samples were collected from each boring at 24 feet bgs, with an additional sample collected from boring SB-1 at 18 feet bgs. Grab groundwater samples were also collected from each boring. The soil sample collected from boring SB-1 at 18 feet bgs contained the greatest contamination of 9,100 ppm TPHg, 57 ppm benzene, and 47 ppm MTBE. The grab groundwater samples contained concentrations of up to 140,000 ppb TPHg, 19,000 ppb benzene, and 27,000 ppb MTBE.

Manual bailing and pumping of Light Non-Aqueous Phase Liquid (LNAPL) from well MW-1 occurred intermittently from 1997 to 1998.

On May 25, 2001, two soil borings were advanced and converted to monitoring wells MW-3 and MW-4. Soil samples were collected from each boring at 15 and 20 feet bgs. The completed wells were sampled during the next monitoring event on June 29, 2001. Soil samples collected from the borings did not contain petroleum hydrocarbons or fuel oxygenates at concentrations above reporting limits. Groundwater from wells MW-3 and MW-4 contained up to 550 ppb TPHg. Groundwater from well MW-2 collected during the same monitoring event contained 69,000 ppb TPHg, 7,200 ppb benzene, and 4,400 ppb MTBE.

Due to the continued presence of free product, a LNAPL recovery system was installed in well MW-1 in July 2001. Well MW-1 is located within the backfill of the southern-most gasoline UST. The LNAPL recovery system operated between 2001 and 2003.

Site History and Description of Corrective Actions (continued):

On April 2 and 3, 2003, fourteen soil borings (SB-4 through SB-17) were advanced both on-site and off-site. Soil samples were collected from the borings at depths ranging between 11 and 18 feet bgs. Grab groundwater samples were collected from each boring and soil vapor samples were collected from five of the borings. The soil samples collected from boring SB-7 at 18 feet bgs and SB-11 at 16 feet bgs contained the highest TPHg concentrations of 4,900 ppm and 2,700 ppm, respectively. Borings SB-7 and SB-11 are located southwest of the former UST locations. Similarly, groundwater samples collected southwest of the former UST locations contained the highest TPHg concentrations. TPHg and benzene were detected in grab groundwater samples at concentrations up to 310,000 ppb and 45,000 ppb, respectively. Soil vapor samples did not contain petroleum hydrocarbons at concentrations above reporting limits.

On January 11, 19, and 20, 2005, six extraction/monitoring wells (MW-5 through MW-7 and MW-10 through MW-12) were installed both on-site and off-site, with the intent of utilizing a High Vacuum Dual-Phase Extraction (HVDPE) system in the near future. At least one soil sample was selected for analysis from each well. Groundwater samples were collected from newly completed and previously constructed wells (MW-1 through MW-4) on February 3, 2005. The soil samples contained up to 3,200 ppm TPHg, 35 ppm benzene, and 8.5 ppm MTBE. Results of the groundwater samples were similar to previous investigations with the high petroleum hydrocarbon concentrations detected south of the former UST locations.

From July 11 to July 27, 2005, a 15-day HVDPE event was conducted in five of the extraction/monitoring wells. During the event, an estimated 10,600 pounds of hydrocarbons were removed in the vapor phase. Following this event, preparations were made to implement a fixed HVDPE system at the site. Startup of the HVDPE system began on June 26, 2007.

On July 13, 2006, eight soil borings were advanced throughout the site and off-site in the downgradient direction. Four of the borings were converted to permanent, nested soil gas probes (GP-1 through GP-4). Soil samples and soil gas samples were collected from the gas probes at depths of five and ten feet bgs. The soil samples contained up to 1.6 ppm TPHg, with no concentrations of MTBE above reporting limits. The soil gas samples contained up to 705 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) TPHg and 6.1 $\mu\text{g}/\text{m}^3$ benzene.

On March 18, 2008, wells MW-8, MW-9, and MW-13 were installed to delineate the petroleum hydrocarbon plume in groundwater. Soil samples were collected from the new wells at depths of 15 and 20 feet bgs and contained up to 1.5 ppm TPHg, 0.37 ppm benzene, and 0.089 ppm MTBE.

Between August 21 and 22, 2008, soil gas probes GP-3 and GP-4 were decommissioned due to property development. Horizontal HVDPE conveyance piping laterals were installed on wells MW-10 through MW-12 to continue remediation.

On July 28, 2009, three monitoring wells (MW-14 through MW-16) were installed off-site to delineate the downgradient extent of the petroleum hydrocarbon plume in groundwater. Soil samples were collected from each of the monitoring well borings at depths ranging between 16 and 25 feet bgs. Groundwater samples were collected from the new wells during the next monitoring event on August 21, 2009. Results of the monitoring event incorporating the newly established wells indicated that the petroleum hydrocarbon plume extended laterally from the former UST location to approximately 7th Street.

On March 17, 2010, four soil borings (SB-16 through SB-19) were advanced as part of a source zone delineation study. Soil samples were collected from the borings at approximately two or three foot intervals at depths ranging between 15 and 25 feet bgs. The highest concentrations of TPHg and benzene in soil were detected in soil samples collected below the water table at a depth of 20 feet bgs. Soil samples from borings SB-19, SB-16, and SB-17 contained TPHg at concentrations up to 7,500 ppm, 4,300 ppm, and 2,100 ppm, respectively. Benzene concentrations in soil were highest in borings SB-19 and SB-17 at concentrations of 100 ppm and 87 ppm, respectively (both samples collected at a depth of 20 feet bgs). Groundwater was first encountered in the borings at approximately 19.5 feet bgs with the exception of borings SB-16 and SB-19, where groundwater was encountered at approximately 25 and 21 feet bgs, respectively. One grab groundwater sample collected from boring SB-18 contained 230 ppb TPHg and 3.2 ppb benzene.

Site History and Description of Corrective Actions (continued):

On June 30 and July 1, 2010, four air sparge wells (AS-1 through AS-4) were installed within the source zone to a total depth of 30 feet bgs. A pilot test for HVDPE with air sparging was conducted between August and October 2010. Results indicated that air sparging in conjunction with the HVDPE system increased the effectiveness of petroleum hydrocarbon mass removal by increasing the off-gas vapor concentrations.

High Vacuum Dual Phase Extraction (HVDPE) remediation was conducted at the site from June 2007 to June 2011 in both on-site and off-site wells. The remediation system removed an estimated total of 5,663 gallons of Total Petroleum Hydrocarbons as gasoline (TPHg).

A soil vapor sampling event was conducted on October 16, 2012. Five new soil gas probes (GP-5 through GP-9) were installed and sampled along with the remaining two existing soil gas probes (GP-1 and GP-2) on October 31, 2012. TPHg was detected in soil vapor from vapor probe GP-1 at a concentration of 2,700 $\mu\text{g}/\text{m}^3$. TPHg was not detected at concentrations above reporting limits in the remaining eight soil vapor samples. Benzene was not detected in soil vapor depth at concentrations above reporting limits in any of the nine soil vapor samples collected.

Groundwater monitoring began at the site on June 29, 2001 and was conducted quarterly until the most recent groundwater monitoring event on May 5, 2012. The depth to groundwater in site monitoring wells has ranged between 12.61 to 20.44 feet bgs. Soil vapor was also monitored on a quarterly schedule from August 2006 to August 2008.

Results of soil, groundwater, and soil vapor investigations indicate that a plume of petroleum hydrocarbons extended from the former southern-most UST location a distance of approximately 200 feet southwest (downgradient) of the site. HVDPE and air sparging remediation has reduced the concentrations of TPHg in groundwater from the highest detection of 310,000 ppb in 2003 to a maximum concentration of 250 ppb during the most recent groundwater monitoring event in May 2012. Benzene has also been reduced from a maximum of 52,000 ppb in February 2005 to a maximum concentration of 250 ppb during the most recent groundwater monitoring event in May 2012.

Groundwater monitoring data indicate that the plume of petroleum hydrocarbons is stable or shrinking in extent. Based on evidence from recent investigations, the residual soil, groundwater, and soil vapor contamination from the former USTs does not appear to pose a threat to public or environmental health. Therefore, no further action is required for the site.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, closure of this site appears to be consistent with the policies established by the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy which became effective on August 17, 2012.		
Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Based on this evaluation, no site management requirements appear to be necessary.		
Should corrective action be reviewed if land use changes? No		
Was a deed restriction or deed notification filed? No		Date Recorded: ----
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 16
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: ----		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

The site meets the general criteria for case closure under the LTCP.

The site meets the groundwater media-specific criteria for closure under the LTCP based on the following:

1. The plume is stable or decreasing in size.
2. The plume is less than 250 feet in length.
3. There is no free product.
4. The dissolved concentration of benzene is less than 3,000 ppb.
5. The dissolved concentration of MTBE is less than 1,000 ppb.
6. No water supply wells or surface water bodies are within 1,000 feet of the plume boundary.

The site appears to meet the numerical media-specific criteria in the LTCP for petroleum vapor intrusion to indoor air (with a bioattenuation zone) for the following reasons:

1. The concentration of oxygen is greater than 4% at a depth of 5 fbs. Therefore, the site is considered to have a bioattenuation zone under the LTCP.
2. TPH appears to be less than 100 ppm within the upper five feet of soil.
3. The concentration of benzene detected in soil vapor is less than 6.5 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) which is significantly less than the residential and commercial LTCP soil gas criteria of 85,000 and 280,000 $\mu\text{g}/\text{m}^3$ (with a bioattenuation zone).
4. The concentration of ethylbenzene in soil vapor is less than 8.8 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), which is significantly less than the residential and commercial LTCP soil gas criteria of 1,100,000 and 3,600,000 $\mu\text{g}/\text{m}^3$ (with a bioattenuation zone).
5. Naphthalene was not an analyte in soil vapor samples. However, since the release at the site consisted primarily of gasoline and benzene and ethylbenzene were not detected at concentrations above reporting limits in soil vapor, naphthalene concentrations in soil vapor are not likely to exceed the media-specific criteria in the LTCP.
6. The maximum concentration of benzene in groundwater during the most recent groundwater monitoring event was 81 ppb.

The maximum concentrations of benzene and ethylbenzene detected in soil samples collected to date within the upper 10 feet are less than the media-specific criteria in Table 1 of the LTCP for direct contact and outdoor air exposure. Since the release at the site consisted primarily of gasoline, naphthalene concentrations are not likely to exceed the media-specific criteria in Table 1 of the LTCP. Therefore, the site appears to meet the media-specific criteria for direct contact and outdoor air exposure under the LTCP.

TBA; DIPE, ETBE, TAME, EDB, and EDC not analyzed in soil but were analyzed in groundwater.

Conclusion:

Alameda County Environmental Health staff believe that the site meets the conditions for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham, P.G.	Title: Senior Hazardous Materials Specialist
Signature: <i>Jerry Wickham</i>	Date: 4/2/13
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature: <i>Donna L. Drogos</i>	Date: 4/2/13

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.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date: 5/1/13	

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 4/30/13	Date of Well Decommissioning Report: 10/17/13	
All Monitoring Wells Decommissioned: <input checked="" type="radio"/> Yes <input type="radio"/> No	Number Decommissioned: 27	Number Retained: 0
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: <i>Jerry Wickham</i>	Date: 10/22/13	

Attachments:

1. Site Vicinity Map and Aerial Photo (2 pp)
2. Site Plans (4 pp)
3. Chemical Concentration Maps and Mass Removed Over Time (6 pp)
4. Soil and Soil Vapor Analytical Data (13 pp)
5. Groundwater Analytical Data (17 pp)
6. Boring Logs (47 pp)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

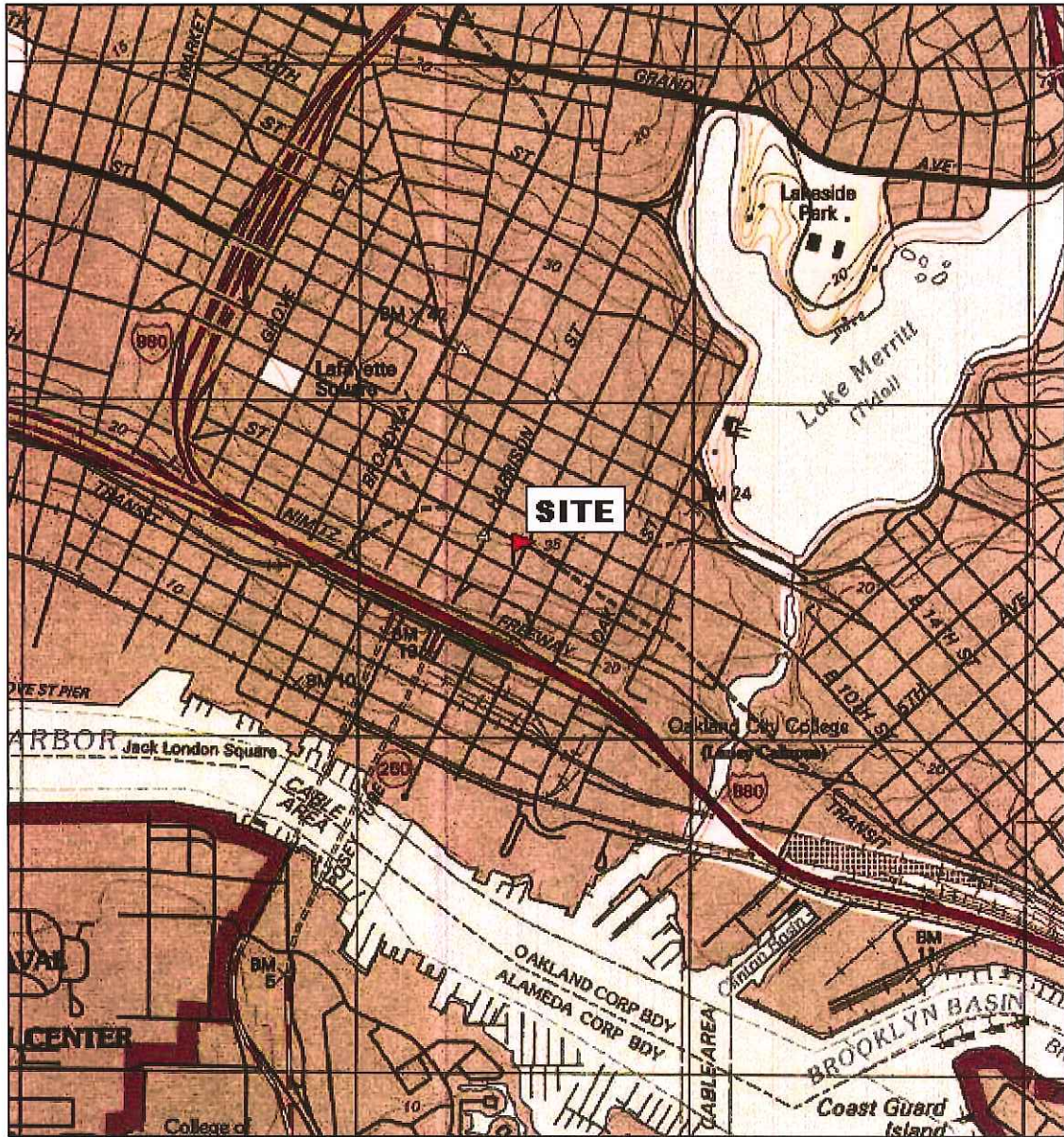
Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Wednesday, May 01, 2013 11:49 AM
To: Cherie MCcaulou
Subject: RO202 Pending case closure for 245 8th Street, Oakland

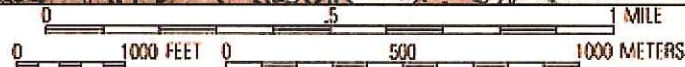
Hi Cherie,

This email provides notification of pending closure for ACEH case RO202, 245 8th Street, Oakland.

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
phone: 510-567-6791
jerry.wickham@acgov.org



TN \uparrow MN
15½°



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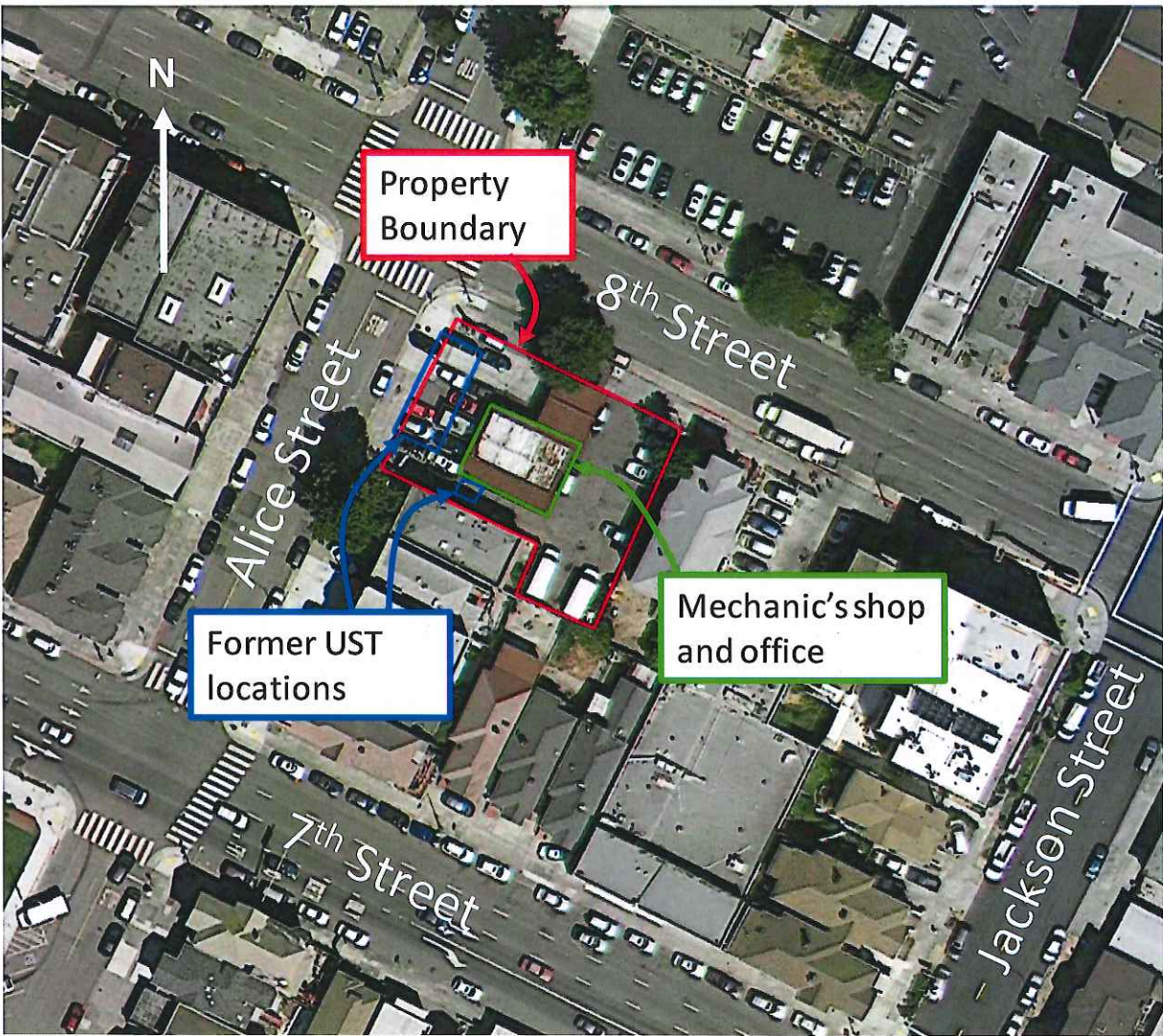
AEI CONSULTANTS

2500 CAMINO DIABLO BLVD, SUITE 200, WALNUT CREEK, CA

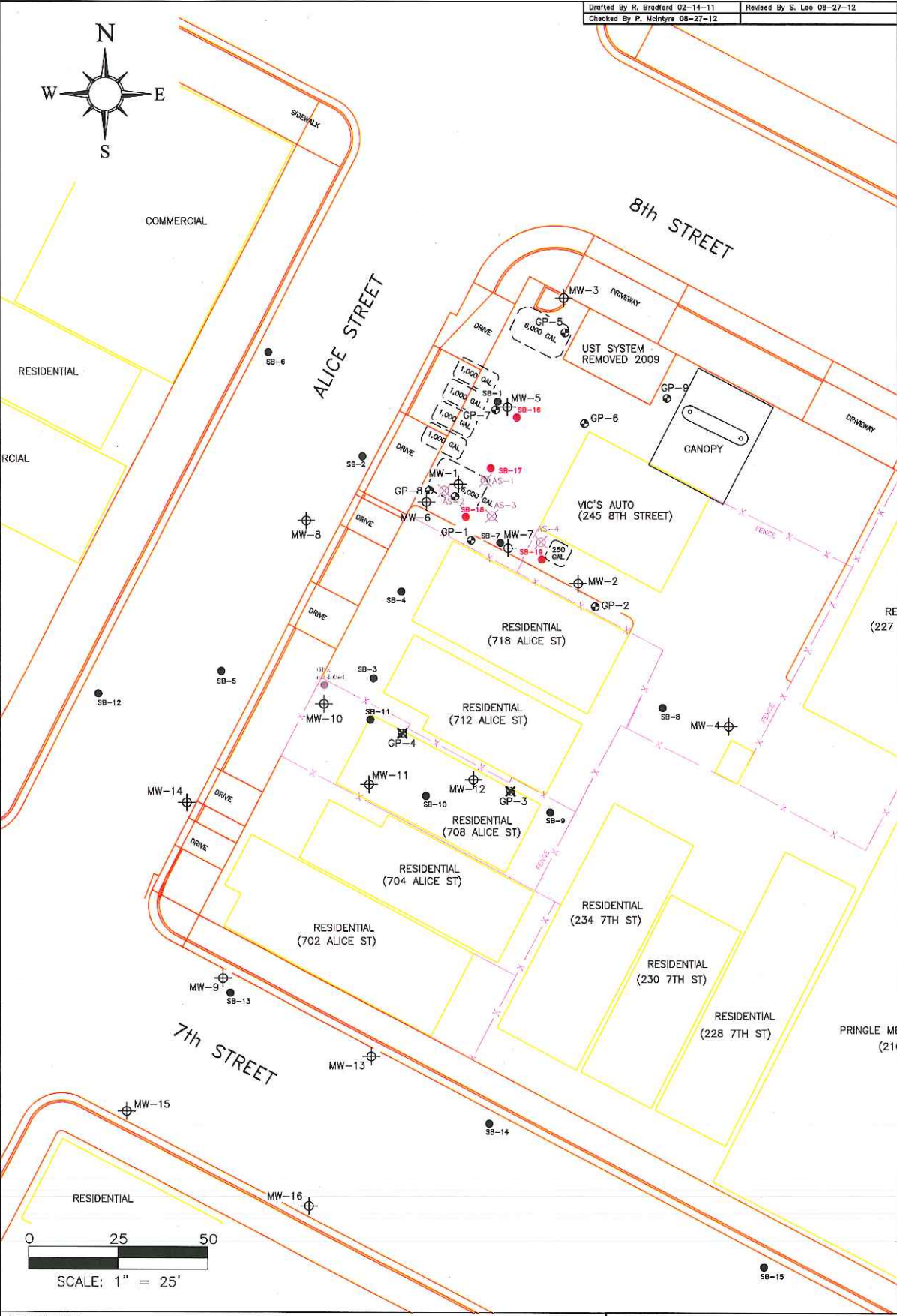
SITE LOCATION MAP

245 8th STREET
OAKLAND, CALIFORNIA

FIGURE 1
PROJECT NO. 116907



RO0000202. Aerial View of 245 8th Street, Oakland, CA (Google, 2013)



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LEGEND

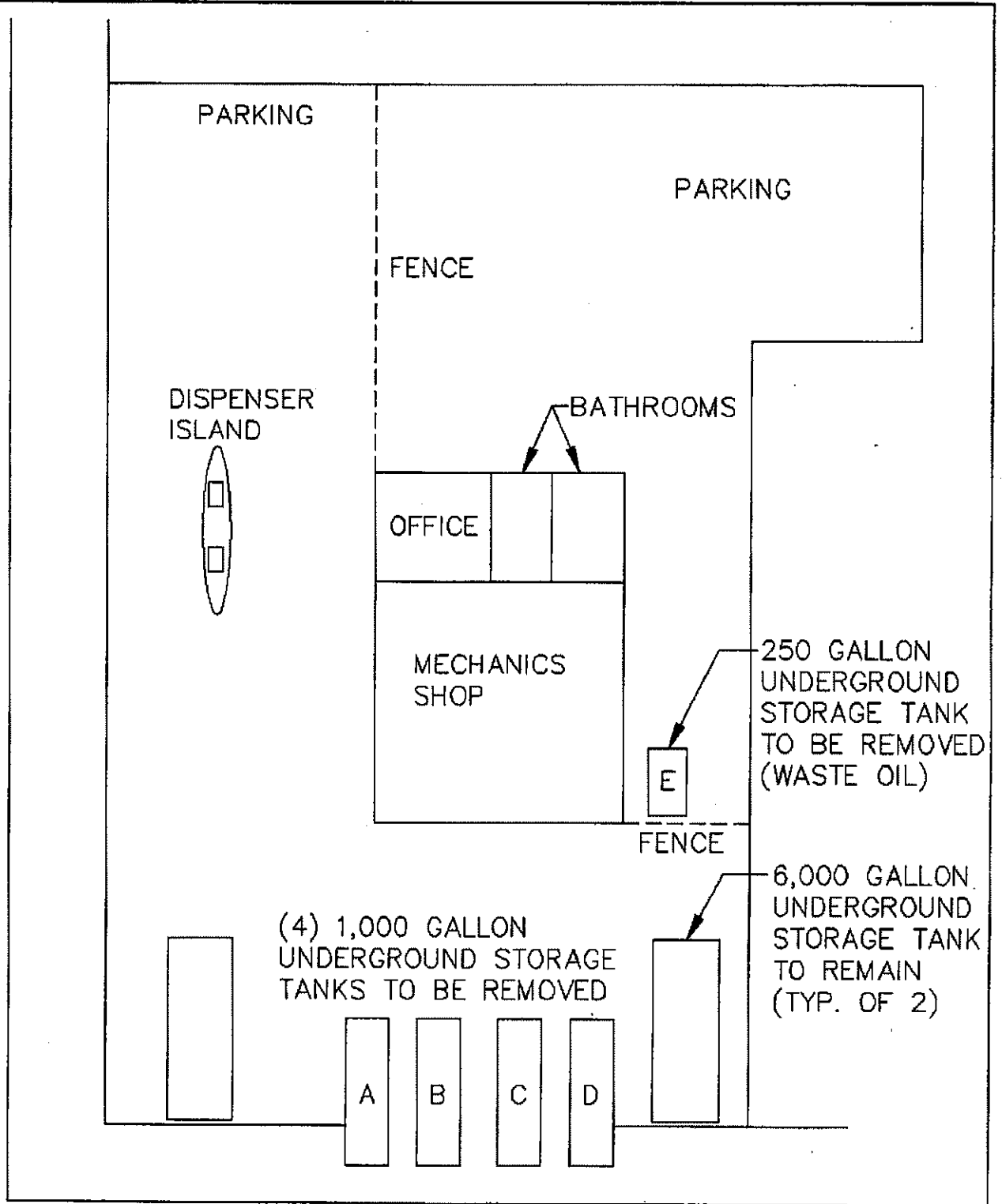
	MONITORING WELL		SOIL BORING (2010)
	SOIL BORING (8/9/96)		AIR SPARGE WELL (2010)
	SOIL BORING (04/02 & 03/03)		FORMER UST LOCATION
	SOIL GAS PROBE		
	ABANDONED SOIL GAS PROBE		

AEI CONSULTANTS
 2500 CAMINO DIABLO, WALNUT CREEK, CALIFORNIA

SITE PLAN

245 8TH STREET OAKLAND, CALIFORNIA	FIGURE 2 PROJECT NO. 116907
---------------------------------------	---------------------------------------

8TH STREET



ALICE STREET



ALL ENVIRONMENTAL, INC.
2641 CROW CANYON RD, SAN RAMON

SCALE: 1 INCH = 15 FEET	APPROVED BY:	DRAWN BY: C.H.L.
DATE: 7/30/93		REVISED: C.H.L.

SITE MAP

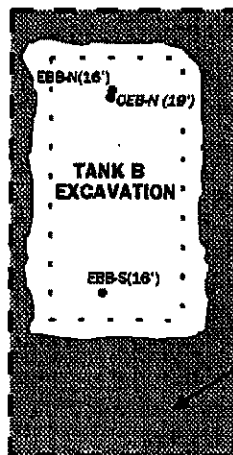
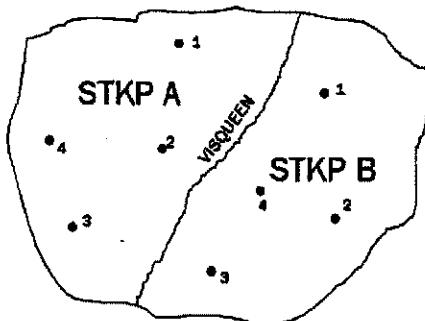
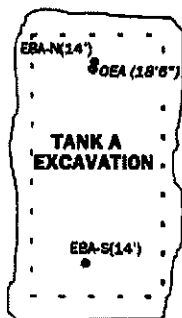
VIC'S AUTOMOTIVE

DRAWING NUMBER:
FIGURE 2

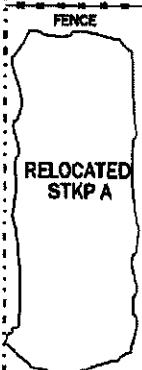
ALICE STREET

SIDEWALK

PROPERTY BOUNDARY



13,000 GALLON
GASOLINE UNDERGROUND
STORAGE TANK
INSTALLED 8/31/94



245 8TH STREET

MECHANICS
SHOP



DISPENSER
ISLAND

SIDEWALK

8TH STREET

PARKING

PARKING

PROPERTY BOUNDARY

FENCE



KEY:

- SOIL SAMPLE LOCATION
- VERIFICATION SOIL SAMPLE LOCATION

ALL ENVIRONMENTAL, INC.

2641 CROW CANYON ROAD, SAN RAMON

SCALE: NOT TO SCALE

APPROVED BY:

DRAWN BY: J.S. ANDERSON

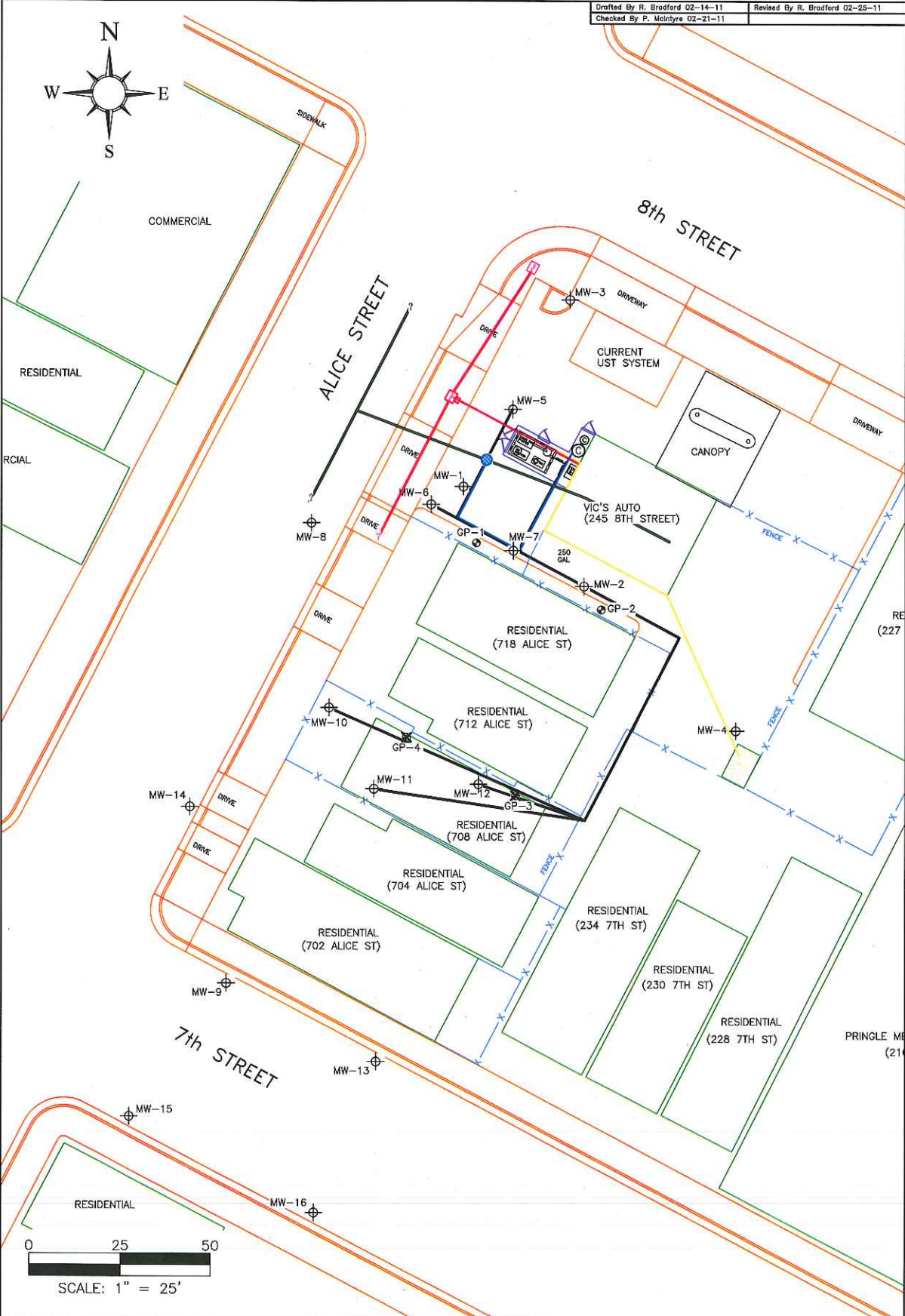
DATE: 6 SEPTEMBER 94

REVISED: J.S. ANDERSON

SAMPLE LOCATION MAP

245 8TH STREET

DRAWING NUMBER:
FIGURE 3



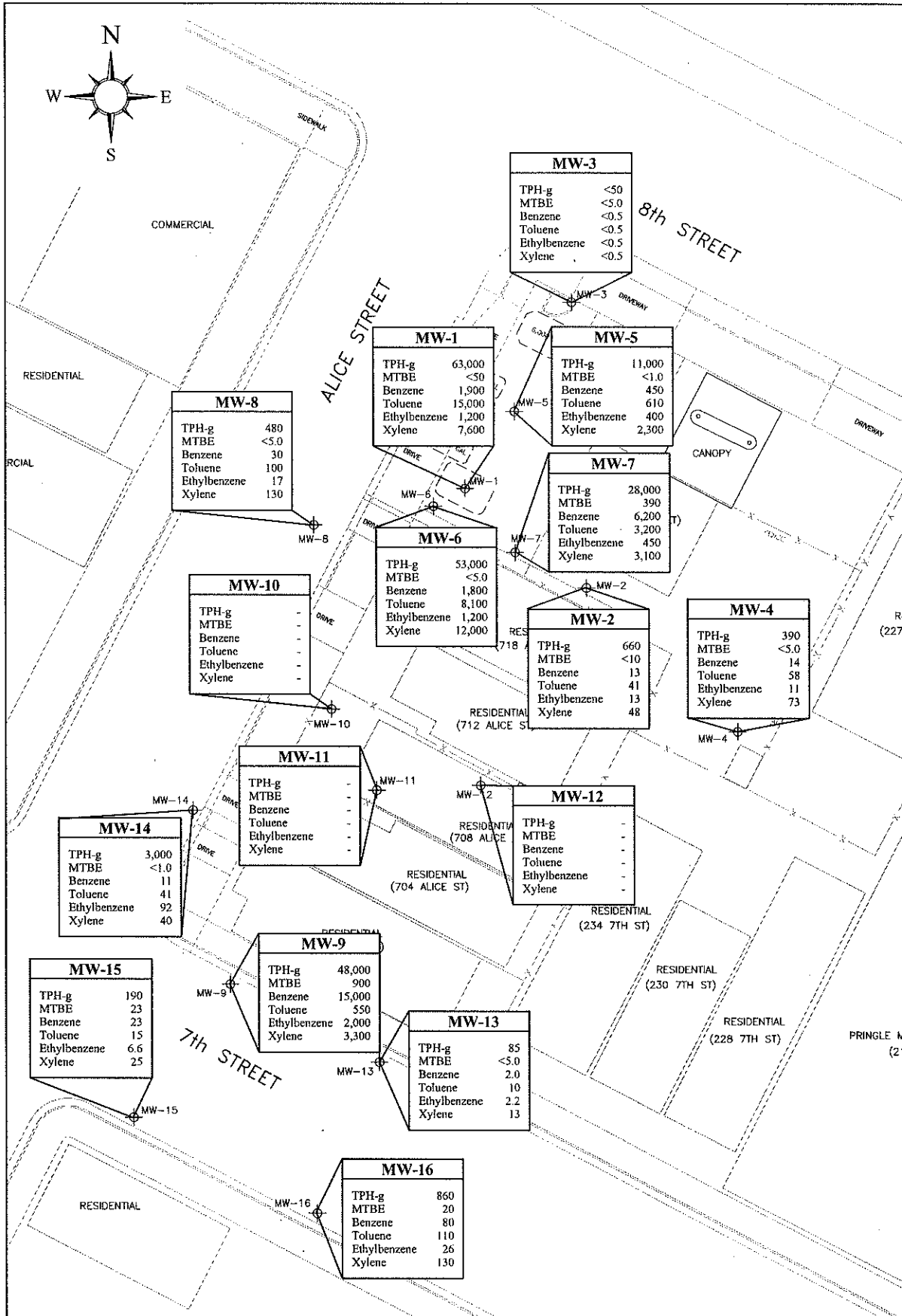
LEGEND	
	MONITORING WELL
	SOIL GAS PROBE
	ABANDONED SOIL GAS PROBE
	OAKLAND MONITORING STRUCTURE
	HVDPE CONVEYANCE PIPING (~18 - 24" BGS)
	WATER DISCHARGE (~24" BGS)
	SANITARY SEWER (~36 - 48" BGS)
	TEMPORARY POWER SERVICE (~24" BGS)
	PROPOSED LINE (~18 - 24" BGS)

AEI CONSULTANTS
 2500 CAMINO DIABLO, WALNUT CREEK, CALIFORNIA

HVDPE SYSTEM LAYOUT PLAN

245 8TH STREET OAKLAND, CALIFORNIA	FIGURE 3 PROJECT NO. 116907
---------------------------------------	---------------------------------------

X:\PROJECTS\116907\116907.dwg (11/18/07) Author: R. Bradford (11/18/07) Checker: P. McIntyre (11/21/11) Date: 11/18/07



LEGEND

⊕ MONITORING WELL

All groundwater sample analytical data in micrograms per liter (ug/L) or ppb

TPH-g = Total Petroleum Hydrocarbons as gasoline
 MTBE = Methyl tertiary-butyl ether
 NS/FP = not sampled / free product present

◻ FORMER UST LOCATION

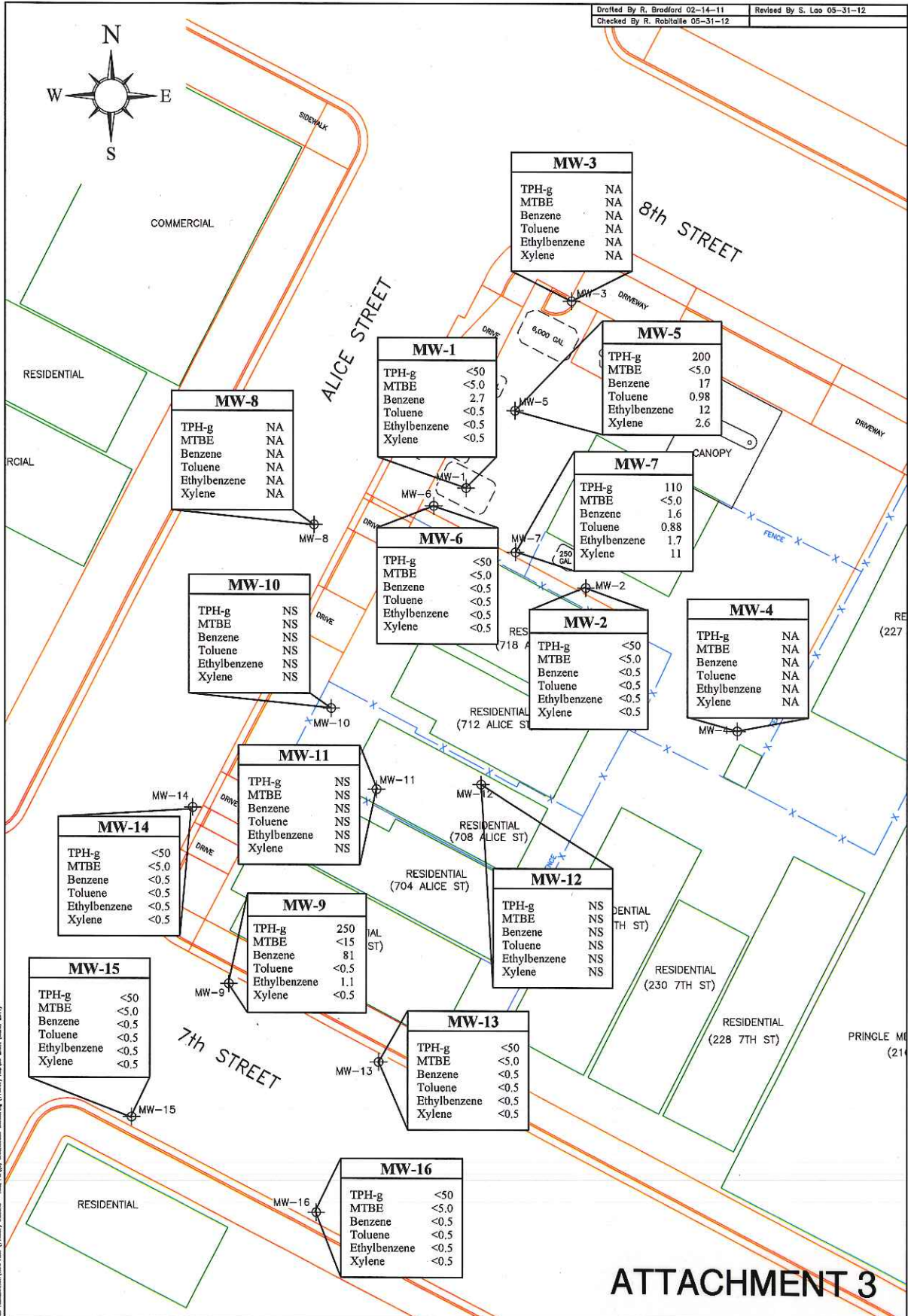
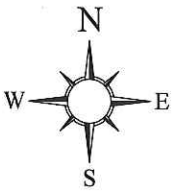
DRAFTED BY RJB 10-01-07
 REVISED BY RJB 10-08-09

AEI CONSULTANTS
 2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK

GROUNDWATER ANALYTICAL DATA (08/21/09)

245 8TH STREET
 OAKLAND, CALIFORNIA

FIGURE 5
 PROJECT NO. 116907



ATTACHMENT 3

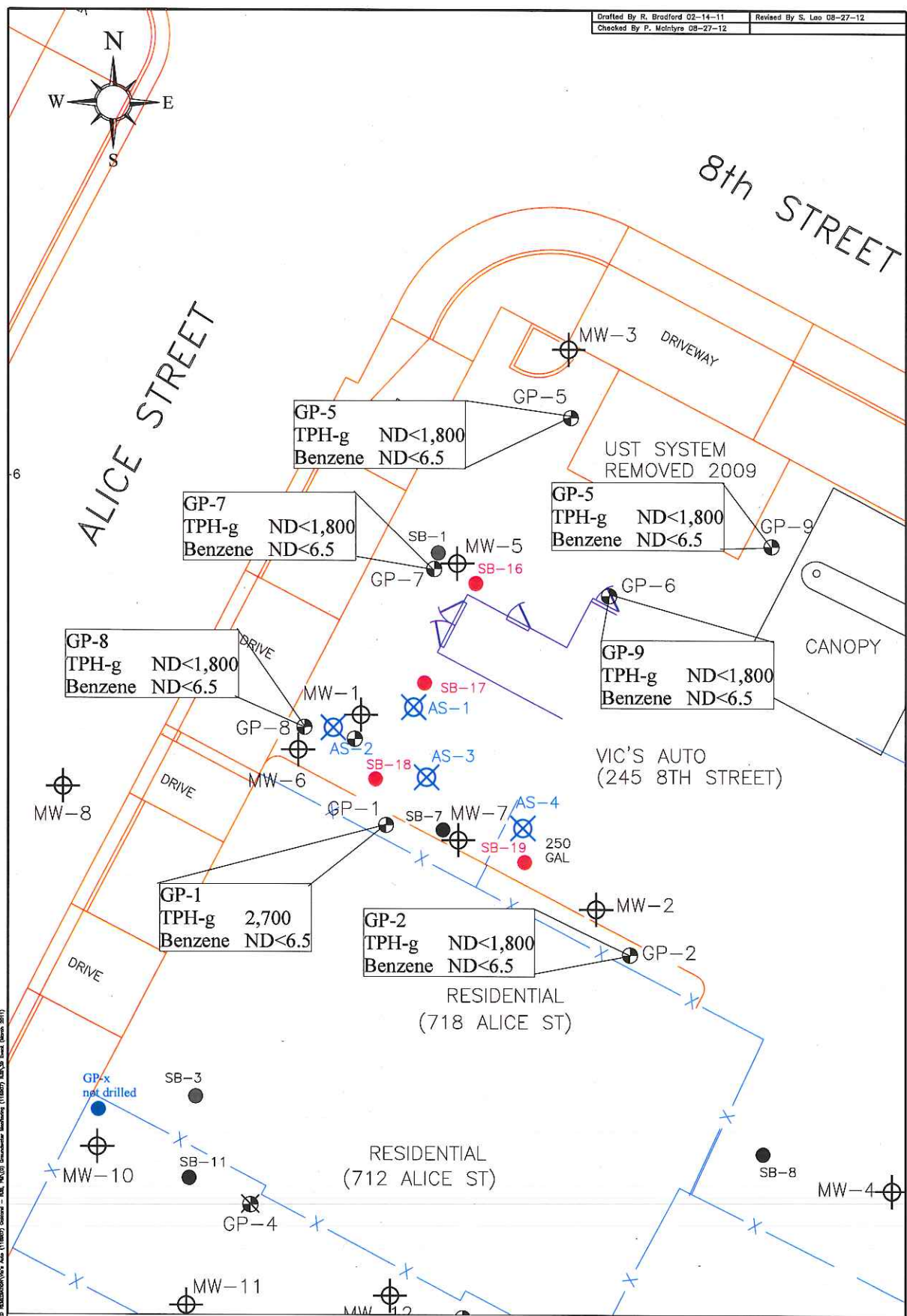
LEGEND MONITORING WELL TPH-g = Total Petroleum Hydrocarbons as gasoline MTBE = Methyl tertiary-butyl ether NS = Not sampled / buried under a new building ND = Not detected at or above the reporting limit		*MTBE by EPA Method SW8260B All groundwater sample analytical data in micrograms per liter (ug/L) or ppb		FORMER UST LOCATION	
---	--	---	--	---------------------	--

AEI CONSULTANTS
 2500 CAMINO DIABLO, WALNUT CREEK, CALIFORNIA

GROUNDWATER ANALYTICAL DATA SUMMARY (05/04/12)

245 8TH STREET OAKLAND, CALIFORNIA	FIGURE 5 PROJECT NO. 116907
---------------------------------------	---------------------------------------

11/16/2012 10:00 AM C:\Users\rschmitt\Documents\116907\116907_05_04_12\116907_05_04_12.dwg (116907) AEI Consultants (11/16/2012) 10:00 AM



LEGEND

TPH-g = Total Petroleum Hydrocarbons as gasoline
 MTBE = Methyl tertiary-butyl ether
 NS = Not sampled / buried under a new building
 ND = Not detected at or above the reporting limit
 All groundwater sample analytical data in micrograms per liter (ug/L) or ppb
 *MTBE by EPA Method SW8260B

MONITORING WELL
 SOIL GAS PROBE
 ABANDONED SOIL GAS PROBE
 PROPOSED SOIL GAS PROBE (2012)

FORMER UST LOCATION

AEI CONSULTANTS
 2500 CAMINO DIABLO, WALNUT CREEK, CALIFORNIA

SOIL VAPOR ANALYTICAL DATA
 HYDROCARBONS 10/31/2012

245 8TH STREET
 OAKLAND, CALIFORNIA

FIGURE 3
 PROJECT NO. 116907

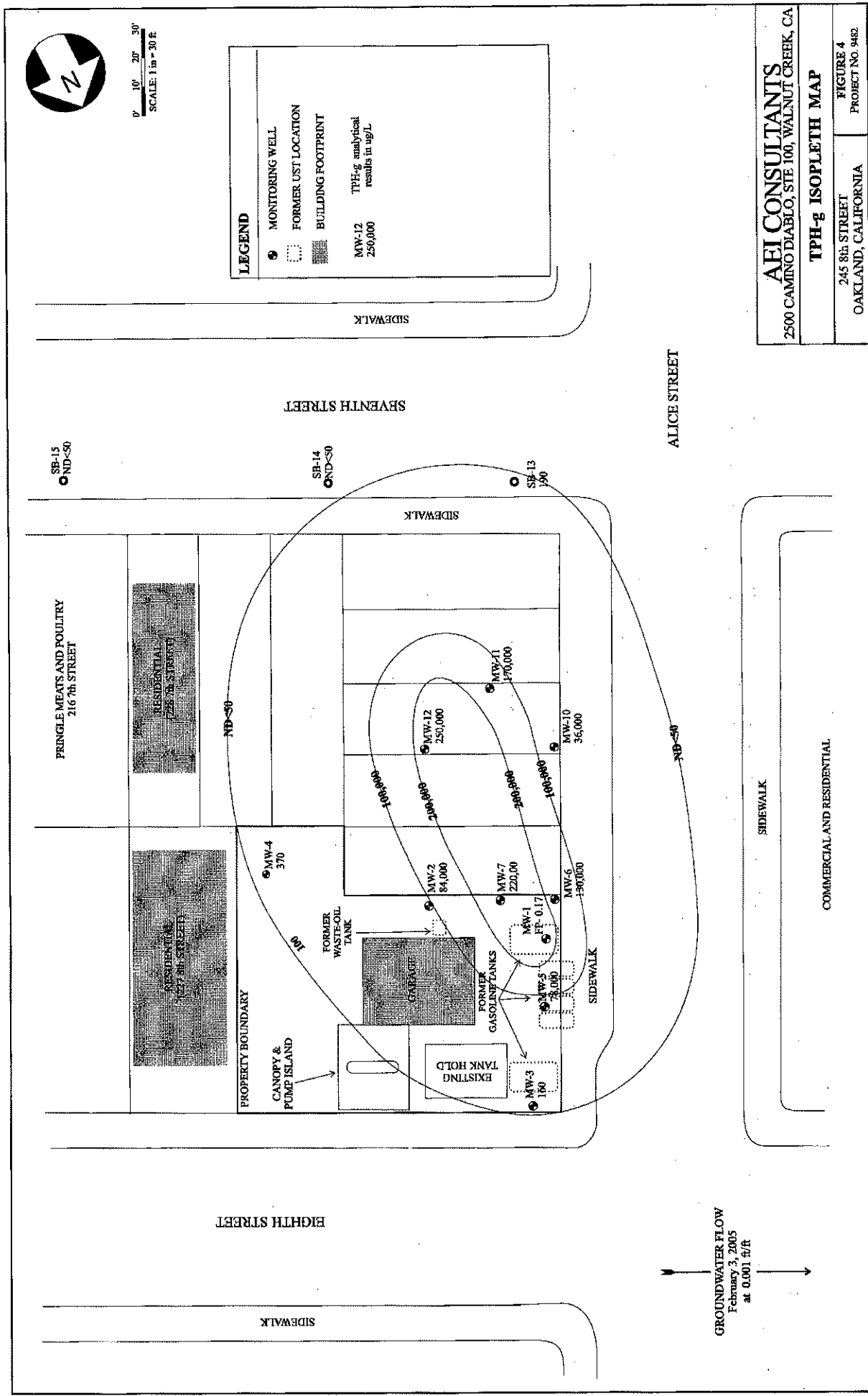
X:\PROJECTS\116907\116907_01\116907_01.dwg 11/15/12 11:58 AM 11/15/12 11:58 AM 11/15/12 11:58 AM



0' 10' 20' 30'
SCALE: 1 in = 30 ft

LEGEND

- MONITORING WELL
- FORMER UST LOCATION
- ▨ BUILDING FOOTPRINT
- MW-12
TPH-g analytical
results in ug/L
250,000

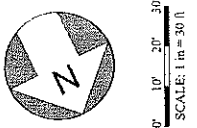


AEI CONSULTANTS
2500 CAMINO DIABLO, STE. 100, WALNUT CREEK, CA

TPH-g ISOPLETH MAP
245 8th STREET
OAKLAND, CALIFORNIA

FIGURE 4
PROJECT NO. 9482

GROUNDWATER FLOW
February 3, 2005
at 0.001 ft/ft



LEGEND

- ⊙ SOIL GAS PROBE
- ⊕ MONITORING WELL
- ⊖ FORMER UST LOCATION
- ▨ BUILDING FOOTPRINT

Soil
TPHg
MTHg
THg
Benzene
Chlorobenzene
Xylenes

GP-1
 GP-2
 GP-3
 GP-4
 GP-5
 GP-6
 GP-7
 GP-8
 GP-9
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 UST-99
 UST-100

TPHg - Total Petroleum Hydrocarbons as specified
 MTHg - Methyl tertiary-butyl ether
 THg - Total Hydrocarbons as specified
 Benzene - Benzene
 Chlorobenzene - Chlorobenzene
 Xylenes - Xylenes

PRINGLE MEATS AND POULTRY
216 7th STREET

RESIDENTIAL
(227 8th STREET)

PROPERTY BOUNDARY

CANOPY & PUMP ISLAND

EXISTING TANK HOLD

RESIDENTIAL (227 8th STREET)

RESIDENTIAL (230 7th STREET)

RESIDENTIAL (234 7th STREET)

RESIDENTIAL (702 ALICE)

RESIDENTIAL (704 ALICE)

RESIDENTIAL (712 ALICE)

RESIDENTIAL (702 ALICE)

SEVENTH STREET

SIDEWALK

ALICE STREET

COMMERCIAL AND RESIDENTIAL

SIDEWALK

AEI CONSULTANTS
2500 CAMINO DIABLO, STE 100, WALNUT CREEK, CA

SOIL ANALYTICAL DATA (7/13/06)

245 8th STREET
OAKLAND, CALIFORNIA

FIGURE 3
PROJECT NO. 1116907

FIGURE 6: HYDROCARBON MASS REMOVAL RATES OVER TIME

Vic's Auto, 245 8th Street, Oakland, California

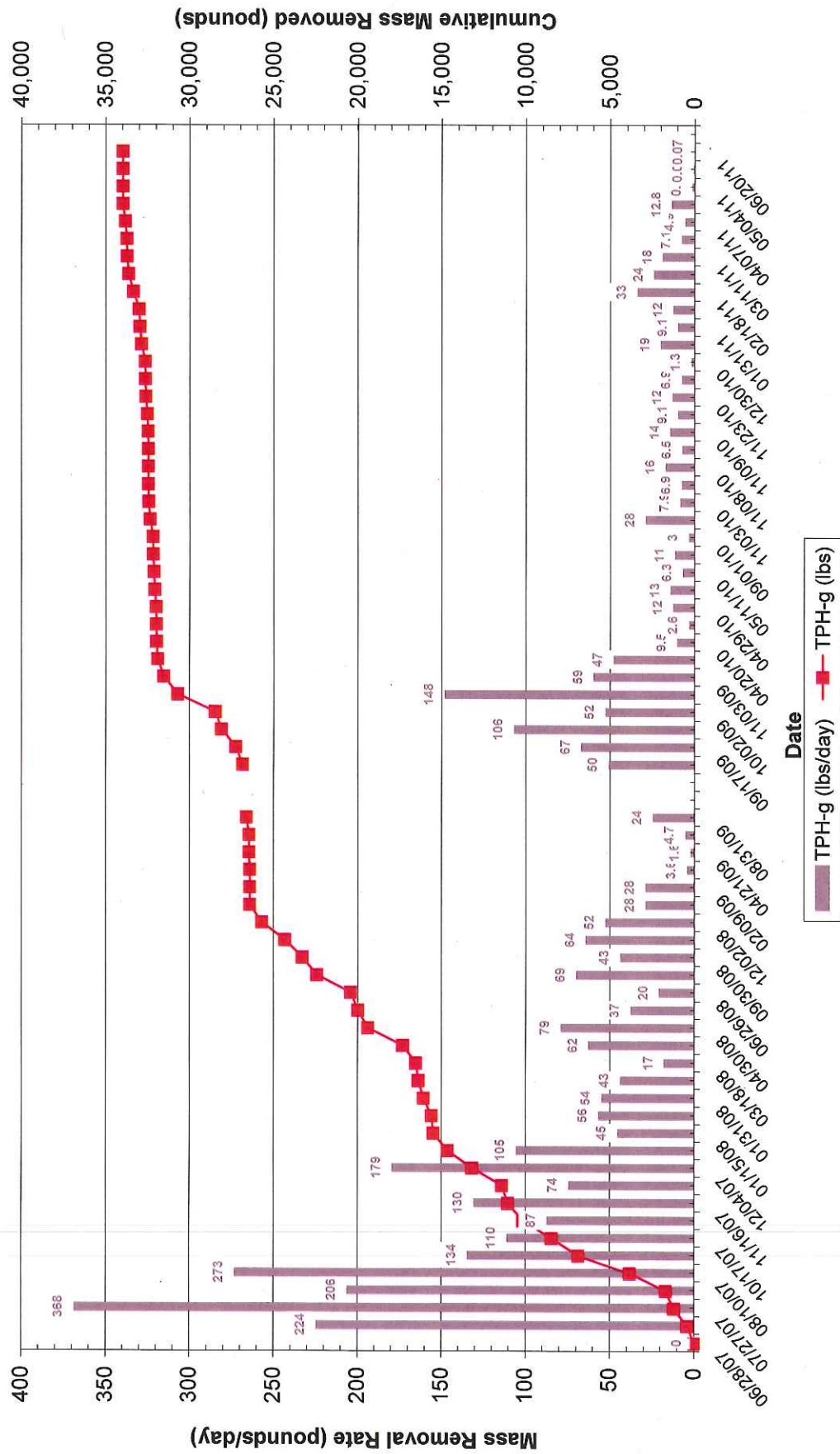


TABLE 4: SOIL ANALYTICAL DATA SUMMARY

Vic's Automotive, 245 8th Street, Oakland, California

Sample ID	Date Collected	Depth (ft bgs)	TPH-g (mg/kg)	TOG (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
MW-1 (6')	7/14/95	6	390	-	-	0.28	0.29	0.29	0.62
MW-1 (11')	7/14/95	11	370	-	-	0.24	0.24	0.23	0.61
MW-2 (6')	7/14/95	6	ND	24	-	ND	ND	ND	ND
MW-2 (11')	7/14/95	11	300	38	-	0.30	0.23	0.24	0.63
SB-1 (18')	8/18/96	18	9,100	-	47	57	580	190	1,000
SB-1 (24')	8/18/96	24	30	-	0.20	0.37	1.4	0.52	2.5
SB-2 (24')	8/18/96	24	1.1	-	0.032	0.11	0.17	0.018	0.099
SB-3 (24')	8/18/96	24	16	-	4.7	1.6	2.5	0.21	0.95
MW-3 15'	05/25/01	15	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-3 20'	05/25/01	20	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-4 15'	05/25/01	15	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-4 20'	05/25/01	20	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-4 12'	04/02/03	12	25	-	ND<0.5	0.41	1.0	0.2	1.3
SB-4 15'	04/02/03	15	260	-	ND<1.7	3.5	15	4.5	23
SB-5 11'	04/03/03	11	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-6 16'	04/02/03	16	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-7 12'	04/02/03	12	700	-	ND<10	6.0	25	9.3	50
SB-7 18'	04/02/03	18	4,900	-	ND<25	65	260	77	400
SB-8 17'	04/02/03	17	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-9 16'	04/03/03	16	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-10 12'	04/03/03	12	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-11 12'	04/03/03	12	1.4	-	ND<0.05	0.12	0.10	0.026	0.066
SB-11 16'	04/03/03	16	2,700	-	ND<30	29	170	49	250
SB-12 15'	04/02/03	15	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005

TABLE 4: SOIL ANALYTICAL DATA SUMMARY

Vic's Automotive, 245 8th Street, Oakland, California

Sample ID	Date Collected	Depth (ft bgs)	TPH-g (mg/kg)	TOG (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
SB-13 14'	04/03/03	14	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-14 14'	04/03/03	14	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-15 14'	04/03/03	14	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-5 16'	01/11/05	16	100	-	ND<5.0	2.6	6.0	1.5	8.4
MW-5 20'	01/11/05	20	37	-	ND<0.50	2.6	5.6	0.91	4.6
MW-7 16'	01/11/05	16	19	-	2.9	3.3	3.5	0.4	1.9
MW-7 20.5'	01/11/05	20.5	340	-	ND<5.0	9.6	25	7.0	35
MW-6 20'	01/19/05	20	14	-	ND<0.25	0.099	4.1	0.33	1.7
MW-10 15.5'	01/20/05	15.5	840	-	ND<2.0	11	58	16	83
MW-11 15.5'	01/19/05	15.5	3,200	-	ND<10	35	320	85	430
MW-12 15.5'	01/19/05	15.5	13	-	8.5	2.5	2.8	0.22	1.1
MW-9-15'	03/17/08	15	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-9-20'	03/17/08	20	1.5	-	ND<0.05	0.37	0.0052	0.047	0.067
MW-13-15'	03/17/08	15	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-13-20'	03/17/08	20	ND<1.0	-	0.086	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-8-15'	03/18/08	15	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-8-20'	03/18/08	20	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-14-16'	07/28/09	16	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-14-23'	07/28/09	23	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-15-16'	07/27/09	16	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-15-24'	07/27/09	24	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-16-16'	07/27/09	16	ND<1.0	-	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-16-25'	07/27/09	25	ND<1.0	-	0.24	ND<0.005	ND<0.005	ND<0.005	ND<0.005

TABLE 4: SOIL ANALYTICAL DATA SUMMARY

Vic's Automotive, 245 8th Street, Oakland, California

Sample ID	Date Collected	Depth (ft bgs)	TPH-g (mg/kg)	TOG (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
SB-16-15'	03/17/10	15	ND<1.0	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-16-17'	03/17/10	17	34	-	-	ND<0.005	ND<0.005	ND<0.005	0.20
SB-16-20'	03/17/10	20	2,100	-	-	ND<1.0	ND<1.0	1.1	68
SB-16-23'	03/17/10	23	5.0	-	-	ND<0.005	0.056	0.019	0.18
SB-16-25'	03/17/10	25	2.0	-	-	ND<0.005	0.028	0.005	0.041
SB-17-15'	03/17/10	15	3.0	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-17-18'	03/17/10	18	900	-	-	ND<0.25	ND<0.25	0.52	27
SB-17-19'	03/17/10	19	1,900	-	-	ND<1.0	4.5	4.4	83
SB-17-20'	03/17/10	20	4,300	-	-	87	320	85	430
SB-17-23	03/17/10	23	ND<1.0	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-18-15'	03/17/10	15	ND<1.0	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-18-17'	03/17/10	17	ND<1.0	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-18-20'	03/17/10	20	250	-	-	2.5	8.7	2.7	18
SB-18-21'	03/17/10	21	9.6	-	-	0.05	0.14	0.051	0.31
SB-18-23'	03/17/10	23	1.8	-	-	0.12	0.073	0.044	0.18
SB-18-25'	03/17/10	25	6.1	-	-	0.012	1.3	0.17	0.99
SB-19-15'	03/17/10	15	ND<1.0	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-19-17'	03/17/10	17	18	-	-	ND<0.005	0.018	ND<0.005	0.021
SB-19-20'	03/17/10	20	7,500	-	-	100	490	130	700
SB-19-23	03/17/10	23	ND<1.0	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-19-25	03/17/10	25	ND<1.0	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.005

NOTES:

ND = not detected at or above the laboratory reporting limit

mg/kg = milligrams per kilogram of soil

TPH-g = total petroleum hydrocarbons as gasoline

MTBE = methyl tertiary-butyl ether

TOG = Total Oil and Grease

TABLE 4: SOIL SAMPLE ANALYTICAL DATA
Vic's Automotive
245 8th Street, Oakland, California

Probe/Sample ID	Date Collected	Sample Depth (ft bgs)	PID Reading (ppmv)	TPH-g mg/kg <i>Method SW8015Cm</i>	MTBE mg/kg	Benzene mg/kg	Toluene mg/kg <i>Method SW8021B</i>	Ethylbenzene mg/kg	Xylenes mg/kg
GP-1-5	7/13/2006	5	3	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
GP-1-10	7/13/2006	10	11	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
GP-2-5	7/13/2006	5	2	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
GP-2-10	7/13/2006	10	5	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
GP-3-5	7/13/2006	5	1	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
GP-3-10	7/13/2006	10	10	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
GP-4-5	7/13/2006	5	2	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
GP-4-10	7/13/2006	10	11	1.6	<0.05	0.049	0.060	0.019	0.079

mg/kg = milligrams per kilograms

TPH-g = total petroleum hydrocarbons as gasoline

Background PID readings <1 ppmv

Non-detectable concentrations are noted by a less than sign (<) followed by the laboratory reporting limit

Please refer to Appendix B: Lab Analytical Reports w/ Chain of Custody Documentation for detailed analytical data, including dilution factors and reporting limits

After further excavation, the five over-excavation samples were analyzed. Sample EB-11' (excavation bottom, 11' depth), showed 3.9 ppm TPH as gasoline, 7.3 ppb benzene, 7.4 ppb toluene, 8.7 ppb ethylbenzene, 27 ppb xylenes, 6.5 ppm lead. The other four samples were analyzed only for oil and grease, and lead, with WO-E (east wall of pit) yielding the only positive oil and grease analysis at 2,100 ppm. Total lead analyses ranged from 4.5 ppm in WO-S to 70 ppm in WO-E. The results of soil sample analysis are depicted in the following tables.

Table 1: Gasoline Tank Pit Sample Analyses

Sample I.D.	Gasoline (mg/kg)	Total Lead (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Xylenes (ug/)
AN 1	18	7.9	19	33	34	120
AS 2	1.3	8.4	N.D.	N.D.	N.D.	21
BS-4	1.1	7.6	N.D.	N.D.	N.D.	16
CN 5	24	8.3	19	24	27	90
DS 6	1.4	8.1	N.D.	N.D.	5.4	28
STKP 1A*	31	120	N.D.	6.6	14	110
STKP 2B*	17	66	N.D.	N.D.	12	81

Table 2: Waste Oil Tank Pit Sample Analyses

Sample I.D.	Gas (mg/kg)	Diesel (mg/kg)	Oil and Grease (mg/kg)	Toluene (ug/kg)	Ethyl benzene (ug/kg)	Xylenes (ug/kg)
WO**	3.5	4.6	N.D.	7.0	6.7	65
STKP 3C*, **	2.6	7.0	1,100	N.D.	N.D.	10.9

Table 3: Waste Oil Tank Pit and Over Excavation Samples

Sample I.D.	Oil and Grease (mg/kg)	Total Cadmium (mg/kg)	Total Chromium (mg/kg)	Total Lead (mg/kg)	Total Nickel (mg/kg)	Total Zinc (mg/kg)
WO	N.D.	0.7	30	11	26	31
STKP 3C*	1100	0.6	28	91	14	34
WO-E	2100	----	----	70	----	----
WO-N	N.D.	----	----	3.5	----	----
WO-S	N.D.	----	----	4.5	----	----
W-W	N.D.	----	----	6.3	----	----
	Gas (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl benzene (ug/kg)	Xylenes (ug/kg)	
EB-11'	3.9	7.3	7.4	8.7	27	----

(mg/kg) = ppm or parts per million

(ug/kg) = ppb or parts per billion

N.D. = Not Detected

---- = not analyzed

* Composited soil samples

** Also analyzed N.D. for benzene and other EPA 8240 constituents

Copies of the analytical results and chain of custody are located in Appendix D: Sample Analytical Documentation.

6.0 BACKFILLING AND RESURFACING

On July 2 and July 7, 1993, the excavations were backfilled with clean, imported soil. The upper six inches is comprised of base rock. The excavations were backfilled in one foot lifts and compacted to approximately 90% compaction to prevent long term settling. The tank removal areas were not resurfaced, as requested by the client due to the possibility of future excavation.

7.0 DISCUSSION & CONCLUSIONS

Four 1,000 gallon and one 250 gallon underground storage tanks were removed from the property located at 245 8th St., Oakland,

Table 1: Soil Sample Analyses

Sample I.D.	Gasoline (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Total Xylenes (ug/kg)	Lead (mg/kg)
EBA-N(14')	140 /	520 /	510	370	1200	4.9 /
EBA-S(14')	160 /	820 /	870	570	1800	13 /
STKP A(1-4)*	3700 /	13000 /	14000	11000	34000	7.6 /
EBB-N(16')*	130 /	180 /	190	210	580	X
EBB-S(16')*	8.1 /	37 /	26	21	150	X
STKP B(1)	N.D. /	N.D. /	N.D.	5.9	20	X
STKP B(2)	2.1 /	N.D. /	56	31	160	X
STKP B(3)	1.8 /	N.D. /	15	12	100	X
STKP B(4)	N.D. /	N.D. /	5.4	7.5	40	X
DISP A 4'	N.D. /	N.D. /	N.D.	N.D.	N.D.	3.7 /
DISP B 4'	N.D. /	N.D. /	12	N.D.	55	4.0 /

(mg/kg) = ppm or parts per million

(ug/kg) = ppb or parts per billion

N.D. = Not Detected

X = Not Analyzed

* Compositied soil samples

Copies of all analytical results and chain of custody are located in Appendix D: Sample Analytical Documentation.

On August 26, 1994, over-excavation of tank pit A and the northern portion of tank pit B was performed. A dark brown/black liquid was encountered at approximately 18 feet in the tank A excavation. The same dark brown/black liquid was encountered at approximately 19 feet in the tank B excavation. ~~This liquid was dark in color,~~ it emitted the distinctive odor of gasoline product.

One verification sample was taken from each over-excavation. The samples were designated OE and given identifiers to indicate from which tank excavation (A, B) and depth (in feet) they were sampled. The over-excavation analyses are summarized below.

Table 2: Over-Excavation Soil Sample Analyses

Sample I.D.	Gasoline (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Total Xylenes (ug/kg)	Lead (mg/kg)
OEA (18'6") ✓	3900 ✓	6100 ✓	6600	6400	16000	1.3 ✓
OEB-N(19') ^A 16.5' ✓	48 ✓	45 ✓	64	78	200	2.0 ✓

(mg/kg) = ppm or parts per million

(ug/kg) = ppb or parts per billion

N.D. = Not Detected

Copies of all analytical results and chain of custody are located in Appendix D: Sample Analytical Documentation.

On August 29, 1994, stockpiled soil from the tank A excavation was relocated to the western side of the building to await disposal at an appropriate landfill. Stockpiled soil from the tank B excavation was reused on-site to backfill the tank A excavation. The excavation was

TABLE 1: SOIL GAS SAMPLE ANALYTICAL DATA

Vic's Auto, 245 8th Street, Oakland, California

Well ID	Date Collected	Sample Depth	TPH-g	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	Ethanol	PCE	2-propanol										
												Method TO3/TO15									
												ft/bgs	µg/m ³								
GP-1-5	08/04/06	5	331	<8.0	<7.1	<8.4	<9.7	<9.7	<17	17	23										
GP-1-5D ₁	08/04/06	5	-	<8.0	<7.1	<8.4	<9.7	<9.7	<17	18	23										
GP-1-5	11/08/06	5	1,100	<4.6	<4.0	<4.8	<5.5	<5.5	<9.5	12	<12										
GP-1-5	03/06/07*	5	-	-	-	-	-	-	-	-	-										
GP-1-5	05/17/07	5	457	<3.6	<3.2	<3.8	<4.4	<4.4	<7.6	14	<9.9										
GP-1-5D ₁	05/17/07	5	-	<3.6	<3.2	<3.8	<4.4	<4.4	<7.6	14	<9.9										
GP-1-5	12/12/07	5	<1,500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25										
GP-1-5	02/14/08	5	<1,800	<48	<6.5	<7.7	<8.8	<27	<96	<14	<10,000										
GP-1-5	05/08/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25										
GP-1-5	08/15/08	5	<1800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<10,000										
GP-1-5	10/31/12	5	2,700	<7.3	<6.5	<7.7	<8.8	<27	-	-	<14										
GP-1-10	08/04/06	10	493	<4.1	<3.6	<4.3	<5.0	<5.0	<8.6	20	<11										
GP-1-10	11/08/06	10	950	<4.2	<3.7	<4.4	<5.0	<5.0	<8.8	<7.9	<11										
GP-1-10	03/06/07*	10	-	-	-	-	-	-	-	-	-										
GP-1-10	05/17/07^	10	-	-	-	-	-	-	-	-	-										
GP-1-10	12/12/07	10	<1,500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25										
GP-1-10	02/14/08	10	<1,800	<48	<6.5	<7.7	<8.8	<27	-	<14	<10,000										
GP-1-10	05/08/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25										
GP-1-10	08/15/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<10,000										
GP-2-5	08/04/06	5	493	<4.4	<3.9	6.9	<5.4	10	<9.3	600	<12										
GP-2-5	11/08/06	5	1,100	<4.0	<3.6	<4.2	<4.9	<4.9	<8.4	240	<11										
GP-2-5	03/06/07*	5	-	-	-	-	-	-	-	-	-										
GP-2-5	05/17/07	5	582	<4.0	<3.5	<4.1	<4.8	<4.8	<8.3	420	<11										
GP-2-5	12/12/07	5	<1,500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25										
GP-2-5	02/14/08	5	<1,800	<48	<6.5	<7.7	<8.8	<27	<14	<14	<10,000										
GP-2-5	05/08/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25										
GP-2-5	08/15/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	39	<10,000										
GP-2-5	10/31/12	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	-	<12										
GP-2-10	08/04/06	10	352	<10	<9.0	18	<12	<12	<21	270	<28										
GP-2-10	11/08/06	10	910	<3.9	<3.4	<4.1	<4.7	<4.7	<8.1	450	<11										
GP-2-10	03/06/07*	10	-	-	-	-	-	-	-	-	-										
GP-2-10	05/17/07	10	748	<3.8	<3.3	<3.9	<4.5	<4.5	<7.9	440	<10										
GP-2-10	12/12/07	10	<1500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25										
GP-2-10	02/14/08	10	<1800	<48	<6.5	<7.7	<8.8	<27	-	<14	<10,000										
GP-2-10	05/08/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25										
GP-2-10	08/15/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	48	<10,000										

TABLE 1: SOIL GAS SAMPLE ANALYTICAL DATA

Vic's Auto, 245 8th Street, Oakland, California

Well ID	Date Collected	Sample Depth	TPH-g	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	Ethanol	PCE	2-propanol	
												Method TO3/TO15
			ft/bgs									
			$\mu\text{g}/\text{m}^3$									
GP-3-5	08/04/06	5	<240	<4.2	<3.7	<4.4	<5.0	<5.0	<8.8	<7.9	<11	
GP-3-5	11/08/06	5	930	<4.4	<3.9	<4.6	<5.2	<5.2	<9.1	<8.2	<12	
GP-3-5	03/06/07*	5	-	-	-	-	-	-	-	-	-	
GP-3-5	05/17/07	5	582	<4.0	<3.5	<4.1	<4.8	<4.8	17	<7.5	<11	
GP-3-5D _f	05/17/07	5	582	<4.0	<3.5	<4.1	<4.8	<4.8	<8.3	16	<11	
GP-3-5	12/12/07	5	<1500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25	
GP-3-5	02/14/08	5	<1800	<48	<6.5	<7.7	<8.8	<27	-	<14	<10,000	
GP-3-5	05/08/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25	
GP-3-5	08/15/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<10,000	
GP-3-5	Decommissioned August 21, 2008											
GP-3-10	08/04/06	10	564	<4.2	<3.7	<4.4	<5.0	<5.0	<8.8	<7.9	<11	
GP-3-10	11/08/06	10	1,800	<4.0	<3.6	<4.2	<4.9	<4.9	<8.4	<7.6	<11	
GP-3-10	03/06/07*	10	-	-	-	-	-	-	-	-	-	
GP-3-10	05/17/07	10	1,538	<4.1	<3.6	<4.3	<5.0	<5.0	18	<7.8	12	
GP-3-10	12/12/07	10	<1500	<48	<6.5	<7.7	<8.8	<27	<96	<14	-	
GP-3-10	02/14/08	10	<1800	<48	<6.5	<7.7	<8.8	<27	-	<14	<10,000	
GP-3-10	05/08/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25	
GP-3-10	08/15/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<10,000	
GP-3-10	Decommissioned August 21, 2008											
GP-4-5	08/04/06	5	705	<4.4	5.4	<4.6	<5.4	<5.4	<9.3	<8.4	<12	
GP-4-5D _i	08/04/06	5	599	-	-	-	-	-	-	-	-	
GP-4-5	11/08/06	5	540	<4	<3.5	<4.1	<4.8	<4.8	<8.3	<7.5	<11	
GP-4-5D _f	11/08/06	5	610	<7.7	<6.8	<8.0	<9.2	<9.2	<16	<14	<21	
GP-4-5	03/06/07*	5	-	-	-	-	-	-	-	-	-	
GP-4-5	05/17/07	5	873	<4	<3.6	<4.2	<4.9	<4.9	15	<7.6	<11	
GP-4-5	12/12/07	5	<1500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25	
GP-4-5D _f	12/12/07	5	<1500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25	
GP-4-5	02/14/08	5	<1800	<48	<6.5	<7.7	<8.8	<27	<96	<14	<10,000	
GP-4-5	05/08/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25	
GP-4-5	08/15/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<10,000	
GP-4-5	Decommissioned August 21, 2008											
GP-4-10	08/04/06	10	564	<4.1	6.1	17	5.7	16	12	<7.8	<11	
GP-4-10D _f	08/05/06	10	529	<3.8	4.2	18	<4.6	17	18	<7.2	<10	
GP-4-10	11/08/06	10	900	<4.0	<3.5	4.1	<4.8	5.2	<8.3	<7.5	<11	
GP-4-10D _i	11/08/06	10	880	<1.8	<1.6	<1.9	<2.2	<2.2	<3.8	<3.4	<4.9	
GP-4-10	03/06/07*	10	-	-	-	-	-	-	-	-	-	
GP-4-10	05/17/07^	10	-	-	-	-	-	-	-	-	-	
GP-4-10	12/12/07	10	1,600	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25	
GP-4-10	02/14/08	10	-	-	-	-	-	-	-	-	-	
GP-4-10	05/08/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25	
GP-4-10	08/15/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<10,000	
GP-4-10	Decommissioned August 21, 2008											

TABLE 1: SOIL GAS SAMPLE ANALYTICAL DATA

Vic's Auto, 245 8th Street, Oakland, California

Well ID	Date Collected	Sample Depth	TPH-g	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	Ethanol	PCE	2-propanol	
												Method TO3/TO15
			ft/bgs									
			$\mu\text{g}/\text{m}^3$									
GP-5	10/31/12	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	-	<12	
GP-6	10/31/12	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	-	<12	
GP-7	10/31/12	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	-	<12	
GP-8	10/31/12	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	-	<12	
GP-9	10/31/12	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	-	<12	
GP-9Df	10/31/12	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	-	<12	
Residential ESLs			10,000	9,400	84	63,000	980	21,000	1.9E+07	410	-	
Commercial /Industrial ESLs			29,000	31,000	280	180,000	3,300	58,000	1.9E+07	1400	-	
Residential CHHSLs			-	4,000	36.2	135,000	Postponed	315,000	1.9E+07	180	-	
Commercial /Industrial CHHSLs			-	13,400	122	378,000	Postponed	879,000	1.9E+07	603	-	

NOTES:

- not sampled/analyzed

2-propanol (i.e., isopropyl alcohol) tracer/leak check compound

ft bgs = feet below ground surface

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

TPH-g = total petroleum hydrocarbons as gasoline

MTBE = methyl tertiary-butyl ether

PCE = tetrachloroethene

ESLs = Regional Water Quality Control Board Environmental Screening Levels - May 2008

CHHSLs = Department of Toxic Substance Control, California Human Health Screening Levels, January 2005

* = Sampling not possible due to seasonal wet soil conditions

^ = No sample analysis due to presence of free moisture in sample tubing

D_r = after the probe/sample ID indicates a duplicate sample collected in the field

D_i = after the probe/sample ID indicates a duplicate sample prepared and analyzed by the lab

TABLE 2: LIGHT GAS ANALYTICAL SUMMARY
Vic's Automotive
245 8th Street, Oakland, California

Probe/Sample ID	Date Collected	Sample Depth (ft bgs)	Carbon Dioxide	Methane	Nitrogen	Oxygen	Percent		
							Carbon Dioxide	Methane	Nitrogen
GP-1-5	10/31/2012	5	2.1	0.00067	58.0	19.0			
GP-2-5	10/31/2012	5	1.2	0.00021	50.0	16.0			
GP-5	10/31/2012	5	0.71	<0.0001	60.0	15.0			
GP-6	10/31/2012	5	1.4	0.00026	64.0	19.0			
GP-7	10/31/2012	5	1.2	<0.0001	52.0	15.0			
GP-8	10/31/2012	5	4.3	<0.0001	58.0	13.0			
GP-9	10/31/2012	5	-	-	-	-			
GP-9Df	10/31/2012	5	1.9	<0.0001	59.0	17.0			
Composition of Normal Atmosphere			0.0394	0.000179	78.084	20.946			

= feet below ground surface

Table 3
Soil Vapor Sample Analytical Data

Sample ID	Date Collected	TPHg µg/L	MTBE µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L
SB-4 4' V	4/2/03	ND<25	ND<2.5	ND<0.25	ND<0.25	ND<0.25	ND<0.25
SB-7 4' V	4/2/03	ND<25	ND<2.5	ND<0.25	ND<0.25	ND<0.25	ND<0.25
SB-8 4' V	4/2/03	ND<25	ND<2.5	ND<0.25	ND<0.25	ND<0.25	ND<0.25
SB-16 4' V	4/2/03	ND<25	ND<2.5	ND<0.25	ND<0.25	ND<0.25	ND<0.25
SB-17 4' V	4/2/03	ND<25	ND<2.5	ND<0.25	ND<0.25	ND<0.25	ND<0.25

ND - not detected

µg/L - micrograms per liter

TPHg - total petroleum hydrocarbons as gasoline

MTBE - methyl tertiary butyl ether

Please refer to Laboratory Analytical Data for further detailed lab information including lab reporting limits and dilution factors

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY (SOIL BORINGS)

Vic's Automotive, 245 8th Street, Oakland, California

Sample ID	Date Collected	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
SB-1 W	08/18/96	140,000	480	12,000	30,000	3,900	19,000
SB-2 W	08/18/96	130,000	2,300	15,000	20,000	2,800	15,000
SB-3 W	08/18/96	120,000	27,000	19,000	29,000	1,900	9,500
SB-4 W	04/02/03	310,000	17,000	45,000	65,000	4,500	23,000
SB-5 W	04/03/03	420	ND<5.0	11	3.7	18	1.1
SB-6 W	04/02/03	210	ND<5.0	0.57	4.2	1.1	1.4
SB-7 W	04/02/03	240,000	69,000	42,000	45,000	3,100	16,000
SB-8 W	04/02/03	51	360	ND<0.5	ND<0.5	ND<0.5	ND<0.5
SB-9 W	04/03/03	7,300	ND<100	2,100	280	300	140
SB-10 W	04/03/03	210,000	ND<5000	22,000	38,000	3,400	18,000
SB-11 W	04/03/03	200,000	ND<2000	18,000	39,000	3,600	18,000
SB-12 W	04/02/03	ND<50	ND<5.0	ND<0.5	0.85	ND<0.5	0.53
SB-13 W	04/03/03	190	ND<20	ND<0.5	1.1	1.9	1.8
SB-14 W	04/03/03	ND<50	140	ND<0.5	0.95	ND<0.5	1.3
SB-15 W	04/03/03	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
SB-18W	03/17/10	230	ND<5.0	3.2	39	10	65

NOTES:

TPH-g by EPA Method 8015C

BTEX & MTBE by EPA Method 8021B

ND = not detected at or above the laboratory reporting limit

µg/L = micrograms per liter

TPH-g = total petroleum hydrocarbons as gasoline

MTBE = Methyl tert-butyl ether

BTEX = Benzene, ethylbenzene, toluene, and xylenes

Table 5
Groundwater Sample Analytical Data: Selected Volatile Organics by EPA method 8260

Well/Sample ID	Date Collected	DIPE µg/L	ETBE µg/L	MTBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L
MW-1	7/24/02	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp
MW-2	7/24/02	ND<1,000	ND<1,000	43,000	ND<1,000	ND<10,000	ND<1,000	ND<1,000
MW-3	7/24/02	ND<0.5	ND<0.5	1.3	ND<0.5	ND<5.0	ND<0.5	ND<0.5
MW-4	7/24/02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5
SB-4 W	4/2/03	ND<500	ND<500	14,000	ND<500	ND<5000	ND<500	ND<500
SB-5 W	4/3/03	ND<5.0	ND<5.0	6.5	ND<5.0	790	ND<5.0	ND<5.0
SB-6 W	4/2/03	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5
SB-7 W	4/2/03	ND<1,200	ND>1,200	52,000	ND<1,200	ND<12,000	ND<1,200	ND<1,200
SB-8 W	4/2/03	ND<10	ND<10	480	14	ND<100	ND<10	ND<10
SB-9 W	4/3/03	ND<5.0	ND<5.0	41	ND<5.0	68	ND<5.0	ND<5.0
SB-10 W	4/3/03	ND<50	ND<50	2,800	110	ND<500	ND<50	ND<50
SB-11 W	4/3/03	ND<50	ND<50	74	ND<50	ND<500	ND<50	ND<50
SB-12 W	4/2/03	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5
SB-13 W	4/3/03	ND<0.5	ND<0.5	3.7	ND<0.5	ND<5.0	ND<0.5	ND<0.5
SB-14 W	4/3/03	ND<2.5	ND<2.5	180	ND<2.5	ND<25	ND<2.5	ND<2.5
SB-15 W	4/3/03	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5

µg/L - micrograms per liter

ns/fp - not sampled / free product

DIPE - Diisopropyl ether

ETBE - Ethyl tert-butyl ether

MTBE - Methyl tert-butyl ether

Please refer to Laboratory Analytical Data for further detailed lab information including lab reporting limits and dilution factors

TAME - tert-Amyl methyl ether

TBA - t-Butyl Alcohol

EDB - 1,2-Dibromomethane

1,2-DCA - 1,2-Dichloroethane

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)	
MW-1 (8-28)	06/29/01	1.63	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-	
	10/10/01	0.08	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-	
	01/09/02	<0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-	
	04/24/02	<0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-	
	07/24/02	~0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-	
	11/05/02	~0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-	
	02/04/03	~0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-	
	05/02/03	0.08	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-	
	08/04/03	0.23	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-	
	11/03/03	1.27	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-	
	02/09/04	0.18	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-	
	05/10/04	Obstructed	-	-	-	-	-	-	-	-
	08/09/04	0.21	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/09/04	0.24	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/03/05	0.17	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/09/05	0.12	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	08/05/05	0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/09/05	0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/09/06	0.02	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/04/06	0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	08/04/06	0.02	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/08/06	0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/08/07	0.03	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/29/07	0.05	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	09/05/07	Sheen	47,000	<500	4,200	11,000	1,100	6,400	-	
	12/12/07	Sheen	80,000	<250	630	22,000	1,700	8,900	-	
	02/13/08	Sheen	22,000	<250	750	4,100	340	3,200	-	
	05/15/08	0.00	25,000	<600	580	9,200	970	4,200	-	
	08/05/08	0.00	110,000	<1,000	730	22,000	1,700	8,200	-	
	11/07/08	0.00	15,000	290	460	1,400	84	2,700	-	
	02/05/09	0.00	42,000	<1,000	1,100	8,500	880	4,500	-	
	05/05/09	0.00	44,000	<50*	1,300	6,500	1,300	6,800	-	
	08/21/09	0.00	63,000	<50*	1,900	15,000	1,200	7,600	-	
11/23/09	0.00	63,000	<17*	3,300	9,800	1,500	8,200	-		
02/26/10	0.00	62,000	<25*	3,500	14,000	1,600	9,300	-		
05/12/10	0.00	13,000	<5.0*	270	2,000	330	1,900	-		
Traditional	08/19/10	0.00	45,000	<25*	960	9,900	1,100	5,300	-	
Low-Flow	08/19/10	0.00	4,100	<110	520	540	190	290	-	
Low-Flow	12/22/10	0.00	12,000	<250	440	1,300	270	2,300	-	
Low-Flow	03/24/11	0.00	230	<5.0	<0.5	<0.5	<0.5	8.7	-	
Low-Flow	05/26/11	0.00	390	<5.0	4.6	5.2	15	97	-	
Low-Flow	08/22/11	0.00	890	<10	24	8.8	34	73	-	
Low-Flow	11/08/11	0.00	260	<5.0	21	2.9	16	9.4	-	
Low-Flow	02/03/12	0.00	220	<5.0	17	1.2	16	1.0	-	
Low-Flow	05/04/12	0.00	<50	<5.0	2.7	<0.5	<0.5	<0.5	-	

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)
MW-2 (8-28)	06/29/01	0.00	69,000	4,100/4,400*	7,200	6,100	1,500	7,000	-
	10/10/01	0.00	87,000	14,000	22,000	12,000	2,700	9,100	-
	01/09/02	0.00	130,000	11,000	30,000	19,000	3,800	14,000	-
	04/24/02	Sheen	210,000	32,000	38,000	23,000	4,600	19,000	-
	07/24/02	Sheen	170,000	36,000	48,000	12,000	3,700	8,600	-
	11/05/02	Sheen	190,000	36,000	45,000	25,000	4,600	16,000	-
	02/04/03	Sheen	150,000	27,000	51,000	24,000	4,200	14,000	-
	05/02/03	Sheen	150,000	35,000	39,000	11,000	3,800	9,900	-
	08/04/03	Sheen	120,000	29,000	32,000	5,000	3,200	7,200	-
	11/03/03	Sheen	120,000	24,000	33,000	4,300	3,200	5,400	-
	02/09/04	Sheen	130,000	19,000	27,000	7,700	3,100	7,600	-
	05/10/04	Sheen	67,000	13,000	20,000	3,000	2,300	4,100	-
	08/09/04	Sheen	100,000	22,000	27,000	7,100	2,800	6,600	-
	11/09/04	Sheen	100,000	23,000	27,000	6,100	3,000	5,600	-
	02/03/05	Sheen	84,000	11,000	23,000	5,000	3,000	5,500	-
	05/09/05	Sheen	74,000	14,000	21,000	4,200	2,300	3,300	-
	07/27/05	Sheen	9,500	910	1,400	1,000	180	960	-
	08/05/05	Sheen	74,000	4,000	8,800	11,000	1,300	7,600	-
	11/09/05	Sheen	120,000	16,000	21,000	14,000	2,300	13,000	-
	02/09/06	Sheen	120,000	10,000	18,000	16,000	2,200	13,000	-
	05/04/06	Sheen	71,000	8,300	14,000	11,000	1,500	7,600	-
	08/04/06	Sheen	160,000	14,000	22,000	14,000	2,400	11,000	-
	11/08/06	Sheen	110,000	6,400	17,000	9,200	1,600	6,800	<DL
	02/08/07 ¹	Sheen	68,000	5,400	11,000	7,800	1,500	7,700	-
	05/29/07	Sheen	49,000	4,800	7,600	4,400	940	4,600	-
	09/05/07	Sheen	25,000	1,000	3,300	3,400	490	2,800	-
	12/12/07	0.00	5,500	870	1,100	440	28	550	-
02/13/08	0.00	5,700	250	440	290	43	1,000	-	
05/15/08	0.00	490	68	110	11	0.90	42	-	
08/05/08	0.00	520	<25	26	57	7.6	70	-	
11/07/08	0.00	680	72	110	38	3.1	75	-	
02/05/09	0.00	1,000	82	130	50	15	120	-	
05/05/09	0.00	570	8.6*	22	33	9.2	73	-	
08/21/09	0.00	660	<10	13	41	13	48	-	
11/23/09	0.00	400	23*	20	10	1.0	33	-	
02/26/10	0.00	1,400	17*	56	83	18	230	-	
05/12/10	0.00	350	88	63	7.0	3.0	18	-	
Traditional	08/19/10	0.00	260	<10	4.6	1.1	0.93	3.4	-
Low-Flow	08/19/10	0.00	580	<15	18	4.4	4.4	25	-
Low-Flow	12/22/10	0.00	1,700	130	230	140	33	290	-
Low-Flow	03/24/11	0.00	65	81	<0.5	<0.5	<0.5	1.1	-
Low-Flow	05/26/11	0.00	140	51	<0.5	<0.5	<0.5	1.9	-
Low-Flow	08/22/11	0.00	1,500	<50	69	33	10	220	-
Low-Flow	11/08/11	0.00	410	<5.0	18	4.8	5.3	83	-
Low-Flow	02/03/12	0.00	170	<5.0	3.1	1.7	1.5	6.2	-
Low-Flow	05/04/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)
MW-3 (10-25)	06/29/01	0.00	550	<5.0	<0.5	3.1	3.2	1.2	-
	10/10/01	0.00	470	<5.0	0.77	5.3	3.3	5.9	-
	01/09/02	0.00	1,000	<5.0	0.90	7.6	7.8	25	-
	04/24/02	0.00	1,500	<5.0	0.64	7.2	12	14	-
	07/24/02	0.00	1,200	<5.0	10	17.0	11	25	-
	11/05/02	0.00	1,800	<25	33	43.0	18	31	-
	02/04/03	0.00	450	<5.0	<0.5	5.0	<0.5	0.77	-
	05/02/03	0.00	340	<5.0	7.3	10.0	2.5	7.3	-
	08/04/03	0.00	170	<5.0	5.8	5.9	1.5	4.9	-
	11/03/03	0.00	54	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/09/04	0.00	190	<5.0	<0.5	3.6	<0.5	<0.5	-
	05/10/04	0.00	280	<5.0	<0.5	3.4	<0.5	<0.5	-
	08/09/04	0.00	290	<5.0	<0.5	3.8	<0.5	<0.5	-
	11/09/04	0.00	220	<5.0	<0.5	4.0	<0.5	<0.5	-
	02/03/05	0.00	160	<5.0	13	30	3	21	-
	05/09/05	0.00	200	<5.0	<0.5	3.9	<0.5	<0.5	-
	08/05/05	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	11/09/05	0.00	130	<5.0	<0.5	2.3	<0.5	<0.5	-
	02/09/06	0.00	270	<5.0	<0.5	5.6	<0.5	<0.5	-
	05/04/06	0.00	220	<5.0	<0.5	4.3	<0.5	<0.5	-
	08/04/06	0.00	93	<5.0	<0.5	1.5	<0.5	<0.5	-
	11/08/06	0.00	160	<5.0	<0.5	2.9	<0.5	<0.5	<DL
	02/08/07 ¹	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	05/29/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	09/05/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	12/12/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/13/08	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	05/15/08	0.00	<50	<5.0	0.99	<0.5	<0.5	0.68	-
	08/05/08	0.00	91	<5.0	2.0	8.0	1.3	8.0	-
	11/07/08	0.00	150	<5.0	0.70	6.5	1.3	26	-
	02/05/09	0.00	<50	<5.0	1.7	<0.5	<0.5	<0.5	-
	05/05/09	0.00	<50	<5.0	<0.5	0.76	<0.5	<0.5	-
	08/21/09	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
11/23/09	0.00	<50	<5.0	0.90	<0.5	0.59	1.2	-	
02/26/10	-	-	-	-	-	-	-	-	
05/12/10	-	-	-	-	-	-	-	-	
08/19/10	-	-	-	-	-	-	-	-	
Low-Flow	12/22/10	0.00	<50	<5.0	<0.5	<0.5	<0.5	1.7	-
	03/24/11	-	-	-	-	-	-	-	-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)
MW-4 (10-25)	06/29/01	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	10/10/01	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	01/09/02	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	04/24/02	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	07/24/02	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	11/05/02	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/04/03	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	05/02/03	0.00	500	10	68	71	18	65	-
	08/04/03	0.00	270	<5.0	30	29	9.2	32	-
	11/03/03	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/09/04	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	05/10/04	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	08/09/04	0.00	130	<5.0	14	13	5.3	17	-
	11/09/04	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/03/05	0.00	370	<5.0	<0.5	4.1	<0.5	0.64	-
	05/09/05	0.00	840	<5.0	50	180	21	110	-
	07/27/05	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	08/05/05	0.00	310	<5.0	7.5	57	10	53	-
	11/09/05	0.00	290	<5.0	12	61	8.8	49	-
	02/09/06	0.00	250	<5.0	9.9	42	7.5	45	-
	05/04/06	0.00	300	<5.0	37	76	7.8	42	-
	08/04/06	0.00	270	<5.0	7.3	33	5.6	32	-
	11/08/06	0.00	1,300	<5.0	75	230	31	160	<DL
	02/08/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	05/29/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	09/05/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	12/12/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/13/08	0.00	75	<5.0	2.4	8.3	1.2	14	-
05/15/08	0.00	<50	<5.0	0.65	<0.5	<0.5	0.52	-	
08/05/08	0.00	76	<5.0	1.2	8.1	1.5	9.7	-	
11/07/08	0.00	100	<5.0	2.8	7.7	1.1	15	-	
02/05/09	0.00	140	<5.0	0.87	19	3.9	29	-	
05/05/09	0.00	85	<5.0	1.2	8.0	2.5	19	-	
08/21/09	0.00	390	<5.0	14	58	11	73	-	
11/23/09	0.00	<50	<5.0	2.6	<0.5	1.5	2.3	-	
02/26/10	-	-	-	-	-	-	-	-	
05/12/10	-	-	-	-	-	-	-	-	
08/19/10	-	-	-	-	-	-	-	-	
Low-Flow	12/22/10	0.00	<50	<5.0	<0.5	<0.5	<0.5	1.2	-
	03/24/11	-	-	-	-	-	-	-	-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)
MW-5 (12-22)	02/03/05	0.00	78,000	<1,000	7,600	13,000	2,200	9,600	-
	05/09/05	0.00	60,000	<900	6,100	9,900	1,600	6,600	-
	07/27/05	nm	120,000	1,100	10,000	19,000	2,100	13,000	-
	08/05/05	0.00	59,000	<500	4,100	10,000	1,200	6,600	-
	11/09/05	0.00	44,000	<500	3,300	7,400	1,100	4,900	-
	02/09/06	0.00	110,000	<500	10,000	22,000	2,400	13,000	-
	05/04/06	0.00	110,000	<250	11,000	22,000	2,900	15,000	-
	08/04/06	0.00	73,000	<500	4,700	8,600	1,700	7,600	-
	11/08/06	0.00	51,000	<500	3,700	7,200	1,400	6,700	<DL
	02/08/07	0.00	67,000	<800	5,100	10,000	1,800	10,000	-
	05/29/07	0.00	86,000	<1000	6,200	12,000	2,000	11,000	-
	09/05/07	0.00	36,000	<350	2,100	4,000	560	4,600	-
	12/12/07	0.00	8,200	<100	160	56	290	1,200	-
	02/13/08	0.00	4,600	<50	77	440	41	1,300	-
	05/15/08	0.00	3,000	<10	59	330	47	670	-
	08/05/08	0.00	4,500	<50	64	490	46	1,100	-
	11/07/08	0.00	5,000	<17	66	400	29	1,200	-
	02/05/09	0.00	2,800	<0.5*	49	120	22	570	-
	05/05/09	0.00	12,000	<5.0*	360	1,300	250	2,000	-
	08/21/09	0.00	11,000	<1.0*	450	610	400	2,300	-
11/23/09	0.00	1,700	<0.5*	47	100	29	240	-	
02/26/10	0.00	3,100	<1.0*	55	220	27	520	-	
05/12/10	0.00	1,300	<5.0	55	190	13	180	-	
Traditional	08/19/10	0.00	3,600	<75	140	50	130	370	-
Low-Flow	08/19/10	0.00	3,600	<25	180	180	170	550	-
Low-Flow^	08/19/10	0.00	5,400	<25	210	230	230	660	-
Low-Flow	12/22/10	0.00	9,000	<100	300	1,100	180	1,700	-
Low-Flow	03/24/11	0.00	4,500	<50	120	600	12	900	-
Low-Flow	05/26/11	0.00	830	<10	33	27	16	170	-
Low-Flow	08/22/11	0.00	2,700	<50	120	130	70	490	-
Low-Flow	11/08/11	0.00	940	<25	91	36	33	230	-
Low-Flow	02/03/12	0.00	1,400	<25	100	6.7	91	35	-
	05/04/12	0.00	200	<5.0	17	0.98	12	2.6	-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)
MW-6 (12-22)	02/03/05	Sheen	130,000	<1,000	2,400	33,000	2,400	15,000	-
	05/09/05	Sheen	170,000	<4,000	11,000	43,000	3,100	16,000	-
	08/05/05	0.37	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/09/05	0.37	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/09/06	0.71	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/04/06	0.75	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	08/04/06	0.41	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/08/06	0.38	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/08/07	0.34	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/29/07	0.31	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	09/05/07	0.00	74,000	<750	870	7,000	2,400	12,000	-
	12/12/07	Sheen	12,000	<10	556	560	550	1,800	-
	02/13/08	Sheen	27,000	<250	700	4,900	620	5,300	<DL
	05/15/08	0.00	25,000	<150	410	2,500	1,000	3,700	-
	08/05/08	0.00	33,000	<350	480	5,500	1,400	6,800	-
	11/07/08 ²	0.00	54,000	<5.0	610	7,000	1,700	8,900	-
	02/05/09	0.00	92,000	<50*	1,100	8,600	2,800	14,000	-
	05/05/09	0.00	58,000	<50*	560	4,300	2,400	13,000	-
	08/21/09	0.00	53,000	<5.0*	1,800	8,100	1,200	12,000	-
	11/23/09	0.00	28,000	<10*	270	710	1,200	5,500	-
02/26/10	0.00	21,000	<10*	84	<5.0	800	3,900	-	
05/12/10	0.00	19,000	<12*	350	1,100	1,000	3,300	-	
Traditional	08/20/10	0.00	64,000	<50*	2,000	12,000	1,600	8,300	-
Low-Flow	08/20/10	0.00	1,900	<5.0	13	98	62	350	-
Low-Flow	12/22/10	0.00	21,000	<100	180	1,300	520	4,900	-
Low-Flow	03/24/11	0.00	6,500	<90	74	510	220	1,700	-
Low-Flow	05/26/11	0.00	4,400	<50	52	400	200	1,300	-
Low-Flow	08/22/11	0.00	4,100	<50	13	150	120	820	-
Low-Flow	11/08/11	0.00	3,800	<25	9.3	78	150	840	-
Low-Flow	02/03/12	0.00	600	<15	2.5	3.1	2.7	21	-
	05/04/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)
MW-7 (12-22)	02/03/05	Sheen	220,000	18,000	45,000	44,000	3,500	18,000	-
	05/09/05	0.03	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	08/05/05	0.05	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/09/05	0.12	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/09/06	0.07	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/04/06	0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	08/04/06	Sheen	230,000	19,000	37,000	37,000	3,100	14,000	-
	11/08/06	Sheen	240,000	13,000	41,000	39,000	3,000	14,000	<DL
	02/08/07	Sheen	230,000	15,000	41,000	37,000	3,700	20,000	-
	05/29/07	Sheen	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	09/05/07	Sheen	14,000	<450	41	210	99	1,600	-
	12/12/07	Sheen	9,200	<500	1,100	870	66	1,100	-
	02/13/08	0.00	17,000	590	2,800	2,700	300	1,900	-
	05/15/08	0.00	10,000	230	1,700	1,900	200	950	-
	08/05/08	0.00	6,100	<150	1,100	1,100	120	740	-
	11/07/08	0.00	4,200	<50	580	570	44	400	-
	02/05/09	0.00	7,800	26*	1,100	810	190	690	-
	05/05/09	0.00	7,200	77*	1,200	1,200	150	860	-
	08/21/09	0.00	28,000	390*	6,200	3,200	450	3,100	-
11/23/09	0.00	17,000	32*	430	1,600	730	2,800	-	
02/26/10	0.00	21,000	29*	1,500	1,500	870	3,300	-	
05/12/10	0.00	18,000	51*	1,300	2,700	540	3,100	-	
Traditional	08/19/10	0.00	11,000	<300	2,100	590	270	2,000	-
Low-Flow	08/19/10	0.00	24,000	<500	3,700	2,200	510	4,800	-
Low-Flow^	08/19/10	0.00	23,000	<300	3,300	2,000	520	3,900	-
Low-Flow	12/22/10	0.00	16,000	<200	1,600	1,700	250	2,800	-
Low-Flow	03/24/11	0.00	110	18	<0.5	<0.5	0.57	<0.5	-
Low-Flow	05/26/11	0.00	460	<10	25	6.8	4.9	93	-
Low-Flow	08/22/11	0.00	1,500	<10	47	28	12	210	-
Low-Flow	11/08/11	0.00	1,200	<10	55	10	19	180	-
Low-Flow	02/03/12	0.00	710	<5.0	19	4.0	19	43	-
	05/04/12	0.00	110	<5.0	1.6	0.88	1.7	11	-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)	
MW-8 (12-22)	05/15/08	0.00	90	<5.0	0.62	2.4	<0.5	1.0	-	
	08/05/08	0.00	81	<5.0	0.66	7.2	1.2	9.1	-	
	11/07/08	0.00	430	<5.0	2.9	26	6.1	86	-	
	02/05/09	0.00	<50	<5.0	0.98	1.3	<0.5	<0.5	-	
	05/05/09	0.00	94	<5.0	0.91	7.1	2.2	17	-	
	08/21/09	0.00	480	<5.0	30	100	17	130	-	
	11/23/09	0.00	62	<5.0	5.3	2.0	2.4	3.3	-	
	02/26/10	-	-	-	-	-	-	-	-	
	05/12/10	-	-	-	-	-	-	-	-	
	08/19/10	-	-	-	-	-	-	-	-	
Low-Flow	12/22/10	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-	
	03/24/11	-	-	-	-	-	-	-	-	
MW-9 (12-22)	05/15/08	0.00	60,000	960	14,000	410	1,500	3,500	-	
	08/05/08	0.00	42,000	<1,200	13,000	400	1,800	4,800	-	
	11/07/08 ²	0.00	53,000	400	13,000	350	1,800	3,100	-	
	02/05/09	0.00	32,000	360*	11,000	310	1,600	2,700	-	
	05/05/09	0.00	44,000	730*	14,000	520	1,900	3,400	-	
	08/21/09	0.00	48,000	900*	15,000	550	2,000	3,300	-	
	11/23/09	0.00	39,000	750	11,000	390	1,800	2,400	-	
	02/26/10	0.00	44,000	760*	12,000	360	1,900	3,800	-	
	05/12/10	0.00	34,000	390*	6,800	320	1,700	3,600	-	
	Traditional	08/19/10	0.00	35,000	<1,200	9,600	220	2,300	3,600	-
	Low-Flow	08/19/10	0.00	30,000	<1,200	8,400	140	1,800	2,800	-
	Low-Flow	12/22/10	0.00	15,000	<300	3,600	47	870	730	-
	Low-Flow	03/24/11	0.00	2,100	<90	850	5.0	100	7.3	-
	Low-Flow	05/26/11	0.00	4,100	<250	1,700	11	120	9.9	-
	Low-Flow	08/22/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
Low-Flow	11/08/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-	
Low-Flow	02/03/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-	
	05/04/12	0.00	250	<15	81	<0.5	1.1	<0.5	-	

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)
MW-10 (12-22)	02/03/05	0.00	36,000	<500	4,700	7,200	660	3,400	-
	05/09/05	0.00	88,000	<1,500	6,900	20,000	2,300	9,900	-
	08/05/05	0.00	88,000	<1,100	10,000	21,000	1,900	9,800	-
	11/09/05	0.00	63,000	<1,100	5,400	13,000	1,900	7,900	-
	02/09/06	0.00	100,000	<500	6,600	19,000	2,900	13,000	-
	05/04/06	0.00	100,000	<500	8,500	25,000	3,000	13,000	-
	08/04/06	0.00	190,000	<2,200	17,000	35,000	2,800	13,000	-
	11/08/06	0.00	57,000	<500	2,500	7,600	1,600	5,700	<DL
	02/08/07	0.00	69,000	<1,000	4,400	14,000	2,200	8,800	-
	05/29/07	0.00	100,000	<1,000	5,300	19,000	2,600	12,000	-
	09/05/07	0.00	87,000	<1,000	6,100	20,000	2,400	12,000	-
	12/12/07	Sheen	4,700	<50	95	280	110	730	-
	02/13/08	0.00	4,500	<250	190	370	65	880	-
	05/15/08	0.00	4,800	<50	130	320	110	710	-
08/05/08	0.00	3,500	<120	230	180	74	190	-	
11/07/08 ³	Well now located beneath a new residential building. Impossible to sample.								-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)
MW-11 (12-22)	02/03/05	Sheen	170,000	<3,000	23,000	35,000	3,100	16,000	-
	05/09/05	Sheen	210,000	3,500	29,000	40,000	3,400	16,000	-
	07/27/05	Sheen	220,000	2,500	26,000	37,000	3,200	18,000	-
	08/05/05	Sheen	210,000	<2,500	35,000	42,000	3,300	16,000	-
	11/09/05	Sheen	180,000	9,100	32,000	47,000	3,600	18,000	-
	02/09/06	Sheen	210,000	10,000	33,000	39,000	3,800	20,000	-
	05/04/06	Sheen	190,000	12,000	34,000	41,000	3,500	17,000	-
	08/04/06	Sheen	290,000	11,000	33,000	43,000	3,300	15,000	-
	11/08/06	0.00	240,000	14,000	34,000	44,000	3,300	16,000	<DL
	02/08/07	0.00	230,000	19,000	43,000	44,000	3,900	20,000	-
	05/29/07	0.00	230,000	19,000	35,000	39,000	3,600	20,000	-
	09/05/07	0.00	200,000	19,000	34,000	36,000	3,700	23,000	-
	12/12/07	0.00	81,000	4,000	9,400	9,500	1,700	9,700	-
	02/13/08	0.00	36,000	4,200	5,700	4,000	560	5,300	-
	05/15/08	0.00	15,000	2,300	2,800	1,400	120	1,900	-
08/05/08	0.00	12,000	1,100	1,800	760	98	630	-	
11/07/08 ³	Well now located beneath a new residential building. Impossible to sample.								-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)
MW-12 (12-22)	02/03/05	Sheen	250,000	100,000	52,000	41,000	3,400	15,000	-
	05/09/05	Sheen	210,000	91,000	44,000	28,000	3,300	13,000	-
	08/05/05	Sheen	170,000	52,000	38,000	28,000	3,000	12,000	-
	11/09/05	Sheen	180,000	52,000	39,000	25,000	2,900	12,000	-
	02/09/06	Sheen	170,000	34,000	40,000	23,000	3,500	15,000	-
	05/04/06	Sheen	160,000	47,000	33,000	28,000	2,800	10,000	-
	08/04/06	Sheen	240,000	55,000	40,000	24,000	3,200	12,000	-
	11/08/06	0.00	190,000	33,000	40,000	23,000	2,700	13,000	<DL
	02/08/07	0.00	150,000	34,000	38,000	19,000	3,300	12,000	-
	05/29/07	0.00	150,000	30,000	30,000	15,000	3,100	13,000	-
	09/05/07	0.00	160,000	38,000	33,000	21,000	3,200	14,000	-
	12/12/07	0.00	58,000	6,700	10,000	7,100	1,200	4,900	-
	02/13/08	0.00	17,000	3,000	3,600	2,300	440	1,800	-
	05/15/08	0.00	7,800	1,900	2,000	500	130	640	-
	08/05/08	0.00	3,900	800	730	130	61	200	-
11/07/08 ³	Well now located beneath a new residential building. Impossible to sample.								-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)	
MW-13 (12-22)	05/15/08	0.00	<250	6,700	18	<2.5	<2.5	<2.5	-	
	08/05/08	0.00	<250	3,400	<2.5	5.7	<2.5	4.3	-	
	11/07/08	0.00	61	380	2.8	1.4	0.55	0.87	-	
	02/05/09	0.00	<50	14	<0.5	<0.5	<0.5	<0.5	-	
	05/05/09	0.00	<50	<5.0	0.53	3.2	1.1	7.5	-	
	08/21/09	0.00	85	<5.0	2.0	10	2.2	13	-	
	11/23/09	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-	
	02/26/10	0.00	500	<5.0	9.8	58	20	110	-	
	05/12/10	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-	
	08/19/10	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-	
	Low-Flow	12/22/10	0.00	<50	<5.0	1.1	<0.5	<0.5	0.63	-
	Low-Flow	03/24/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow	05/26/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow	08/22/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow	11/08/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
Low-Flow	02/03/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-	
	05/04/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-	
MW-14 (12 - 22)	08/21/09	0.00	3,000	<1.0*	11	41	92	40	-	
	11/23/09	0.00	1,600	<5.0	6.1	16	33	4.9	-	
	02/26/10	0.00	1,800	<5.0	4.7	24	18	11	-	
	05/12/10	0.00	970	16	0.63	14	5.3	0.57	-	
	08/19/10	0.00	890	<30	1.3	16	2.6	1.3	-	
	Low-Flow	12/22/10	0.00	290	<5.0	<0.5	7.6	<0.5	0.52	-
	Low-Flow	03/24/11	0.00	93	<5.0	<0.5	1.8	<0.5	<0.5	-
	Low-Flow	05/26/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow	08/22/11	0.00	140	<5.0	<0.5	5.7	<0.5	<0.5	-
	Low-Flow	11/08/11	0.00	350	<5.0	<0.5	13	<0.5	<0.5	-
	Low-Flow	02/03/12	0.00	200	<5.0	<0.5	7.0	<0.5	<0.5	-
		05/04/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	MW-15 (12 - 22)	08/21/09	0.00	190	23	23	15	6.6	25	-
		11/23/09	0.00	280	19	65	4.6	20	28	-
		02/26/10	0.00	96	27	9.9	3.7	3.1	9.2	-
05/12/10		0.00	<50	20	<0.5	<0.5	<0.5	<0.5	-	
08/19/10		0.00	<50	33	<0.5	<0.5	<0.5	<0.5	-	
Low-Flow		12/22/10	0.00	<50	12	<0.5	<0.5	<0.5	<0.5	-
Low-Flow		03/24/11	0.00	<50	6.2	<0.5	<0.5	<0.5	<0.5	-
Low-Flow		05/26/11	0.00	<50	7.3	<0.5	<0.5	<0.5	<0.5	-
Low-Flow		08/22/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
Low-Flow		11/08/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
Low-Flow		02/03/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
		05/04/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)
MW-16 (12 - 22)	08/21/09	0.00	860	20	80	110	26	130	-
	11/23/09	0.00	870	31	280	13	46	63	-
	02/26/10	0.00	240	21	46	28	16	59	-
	05/12/10	0.00	<50	15	2.3	0.62	<0.5	0.79	-
	08/19/10	0.00	<50	15	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow 12/22/10	0.00	<50	10	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow 03/24/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow 05/26/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow 08/22/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow 11/08/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
Low-Flow 02/03/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-	
	05/04/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-

NOTES:

- not sampled/analyzed

ft = feet

ns/tp = not sampled / free product present

µg/L = micrograms per liter or parts per billion (ppb)

TPH-g by EPA Method SW8015Cm

BTEX & MTBE by EPA Method SW8021B

TPH-g = total petroleum hydrocarbons as gasoline

MTBE = methyl tertiary-butyl ether

HVOC= halogenated volatile organic compounds (e.g., PCE, TCE, DCE, VC)

DL = detection limit

* = MTBE by EPA Method 8260

^ = Duplicate sample analyzed from different VOA

1) Analytical results for MW-2 and MW-3 reversed from lab data based on historical concentration trends observed

2) Groundwater sample re-analyzed for MTBE-only by EPA Method SW8260B

3) Wellheads removed and wells now located ~4' below grade beneath new residential construction; routine sampling is no longer possible



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AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #111783; Vic's Automotive	Date Sampled: 11/08/06
	Client Contact: Ricky Bradford	Date Received: 11/08/06
	Client P.O.:	Date Extracted: 11/09/06-11/10/06
		Date Analyzed: 11/09/06-11/10/06

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0611182

Lab ID	0611182-001B	0611182-002B	0611182-003B	0611182-004B	Reporting Limit for DF=1	
Client ID	MW-2	MW-3	MW-4	MW-5	S	W
Matrix	W	W	W	W		
DF	10	1	2	10		

Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Bromoform	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Bromomethane	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Carbon Tetrachloride	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Chlorobenzene	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Chloroethane	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
2-Chloroethyl Vinyl Ether	ND<10	ND	ND<2.0	ND<10	NA	1.0
Chloroform	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Chloromethane	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Dibromochloromethane	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
1,2-Dichlorobenzene	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
1,3-Dichlorobenzene	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
1,4-Dichlorobenzene	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Dichlorodifluoromethane	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
1,1-Dichloroethane	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
1,1-Dichloroethene	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
cis-1,2-Dichloroethene	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
trans-1,2-Dichloroethene	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
1,2-Dichloropropane	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
cis-1,3-Dichloropropene	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
trans-1,3-Dichloropropene	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Methylene chloride	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
1,1,2,2-Tetrachloroethane	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Tetrachloroethene	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
1,1,1-Trichloroethane	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
1,1,2-Trichloroethane	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Trichloroethene	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Trichlorofluoromethane	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5
Vinyl Chloride	ND<5.0	ND	ND<1.0	ND<5.0	NA	0.5

Surrogate Recoveries (%)

Surrogate	0611182-001B	0611182-002B	0611182-003B	0611182-004B
%SS1:	86	104	100	93
%SS2:	104	102	99	105
%SS3:	97	97	97	98
Comments	j		j	j

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #111783; Vic's Automotive	Date Sampled: 11/08/06
	Client Contact: Ricky Bradford	Date Received: 11/08/06
	Client P.O.:	Date Extracted: 11/09/06-11/10/06
		Date Analyzed: 11/09/06-11/10/06

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0611182

Lab ID	0611182-005B	0611182-006B	0611182-007B	0611182-008B	Reporting Limit for DF=1	
Client ID	MW-7	MW-10	MW-11	MW-12	S	W
Matrix	W	W	W	W		
DF	10	10	10	10		

Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Bromoform	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Bromomethane	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Carbon Tetrachloride	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Chlorobenzene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Chloroethane	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
2-Chloroethyl Vinyl Ether	ND<10	ND<10	ND<10	ND<10	NA	1.0
Chloroform	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Chloromethane	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Dibromochloromethane	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
1,2-Dichlorobenzene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
1,3-Dichlorobenzene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
1,4-Dichlorobenzene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Dichlorodifluoromethane	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
1,1-Dichloroethane	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
1,1-Dichloroethene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
cis-1,2-Dichloroethene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
trans-1,2-Dichloroethene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
1,2-Dichloropropane	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
cis-1,3-Dichloropropene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
trans-1,3-Dichloropropene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Methylene chloride	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
1,1,2,2-Tetrachloroethane	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Tetrachloroethene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
1,1,1-Trichloroethane	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
1,1,2-Trichloroethane	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Trichloroethene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Trichlorofluoromethane	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Vinyl Chloride	ND<5.0	ND<5.0	ND<5.0	ND<5.0	NA	0.5

Surrogate Recoveries (%)

%SS1:	102	86	99	107
%SS2:	107	96	104	107
%SS3:	96	95	96	95

Comments: j j j j

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)	
MW-1* (8-28)	06/29/01	27.73	16.52	11.21	14.89	1.63	
	10/10/01	27.73	15.45	12.28	15.37	0.08	
	01/09/02	27.73	12.61	15.12	-	<0.01	
	04/24/02	27.73	13.35	14.38	-	<0.01	
	07/24/02	27.73	14.19	13.54	-	<0.01	
	11/05/02	27.73	14.85	12.88	-	<0.01	
	02/04/03	27.73	14.91	12.82	-	<0.01	
	05/02/03	27.73	14.43	13.30	-	0.08	
	08/04/03	27.73	15.24	12.49	15.01	0.23	
	11/03/03	27.73	16.94	10.79	15.67	1.27	
	02/09/04	27.73	14.61	13.12	14.43	0.18	
	05/10/04	27.73		Obstructed	-	-	-
	08/09/04	27.73	15.24	12.49	15.03	0.21	
	11/09/04	27.73	15.95	11.78	15.71	0.24	
	02/03/05	32.55	13.75	18.80	13.58	0.17	
	05/09/05	32.55	13.93	18.62	13.81	0.12	
	08/05/05	32.55	15.40	17.15	15.39	0.01	
	11/09/05	32.55	15.76	16.79	15.75	0.01	
	02/09/06	32.55	13.52	19.03	13.50	0.02	
	05/04/06	32.55	12.47	20.08	12.46	0.01	
	08/04/06	32.55	15.11	17.44	15.09	0.02	
	11/08/06	32.55	16.03	16.52	16.02	0.01	
	02/08/07	32.55	16.51	16.04	16.48	0.03	
	05/29/07	32.55	15.56	16.99	15.51	0.05	
	09/05/07	32.55	16.33	16.22	-	Sheen	
	12/12/07	32.55	17.62	14.93	-	Sheen	
	02/13/08	32.55	15.94	16.61	-	Sheen	
	05/15/08	32.55	16.64	15.91	-	-	
	08/05/08	32.55	16.99	15.56	-	-	
	11/07/08	32.55	17.40	15.15	-	-	
	02/05/09	32.55	16.89	15.66	-	-	
	05/05/09	32.55	15.69	16.86	-	-	
	08/21/09	32.55	17.09	15.46	-	-	
	11/23/09	32.55	16.92	15.63	-	-	
	02/26/10	32.55	14.77	17.78	-	-	
	05/12/10	32.55	16.02	16.53	-	-	
08/19/10	32.55	16.11	16.44	-	-		
12/22/10	32.55	17.37	15.18	-	-		
03/24/11	32.55	18.19	14.36	-	-		
05/26/11	32.55	17.45	15.10	-	-		
08/22/11	32.55	16.21	16.34	-	-		
11/08/11	32.55	17.11	15.44	-	-		
02/03/12	32.55	17.08	15.47	-	-		
05/04/12	32.55	15.21	17.34	-	-		

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-2* (8-28)	06/29/01	28.16	16.14	12.02	-	-
	10/10/01	28.16	16.43	11.73	-	-
	01/09/02	28.16	13.50	14.66	-	-
	04/24/02	28.16	14.40	13.76	-	-
	07/24/02	28.16	14.91	13.25	-	-
	11/05/02	28.16	16.96	11.20	-	-
	02/04/03	28.16	15.42	12.74	-	-
	05/02/03	28.16	15.24	12.92	-	-
	08/04/03	28.16	15.98	12.18	-	-
	11/03/03	28.16	16.60	11.56	-	Sheen
	02/09/04	28.16	15.22	12.94	-	Sheen
	05/10/04	28.16	15.34	12.82	-	Sheen
	08/09/04	28.16	15.92	12.24	-	Sheen
	11/09/04	28.16	16.51	11.65	-	Sheen
	02/03/05	33.24	14.44	18.80	-	Sheen
	05/09/05	33.24	14.67	18.57	-	Sheen
	08/05/05	33.24	16.27	16.97	-	Sheen
	11/09/05	33.24	16.53	16.71	-	Sheen
	02/09/06	33.24	14.36	18.88	-	Sheen
	05/04/06	33.24	13.46	19.78	-	Sheen
	08/04/06	33.24	15.95	17.29	-	Sheen
	11/08/06	33.24	16.86	16.38	-	Sheen
	02/08/07	33.24	17.13	16.11	-	Sheen
	05/29/07	33.24	16.51	16.73	-	Sheen
	09/05/07	33.24	17.48	15.76	-	-
	12/12/07	33.24	18.72	14.52	-	-
	02/13/08	33.24	16.91	16.33	-	-
	05/15/08	33.24	17.67	15.57	-	-
	08/05/08	33.24	17.94	15.30	-	-
	11/07/08	33.24	18.79	14.45	-	-
	02/05/09	33.24	17.98	15.26	-	-
	05/05/09	33.24	17.52	15.72	-	-
	08/21/09	33.24	18.02	15.22	-	-
11/23/09	33.24	17.94	15.30	-	-	
02/26/10	33.24	15.79	17.45	-	-	
05/12/10	33.24	16.69	16.55	-	-	
08/19/10	33.24	16.99	16.25	-	-	
12/22/10	33.24	17.67	15.57	-	-	
03/24/11	33.24	16.64	16.60	-	-	
05/26/11	33.24	16.78	16.46	-	-	
08/22/11	33.24	16.59	16.65	-	-	
11/08/11	33.24	15.51	17.73	-	-	
02/03/12	33.24	17.51	15.73	-	-	
05/04/12	33.24	15.55	17.69	-	-	

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-3 (10-25)	06/29/01	29.21	16.60	12.61	-	-
	10/10/01	29.21	16.92	12.29	-	-
	01/09/02	29.21	14.20	15.01	-	-
	04/24/02	29.21	15.07	14.14	-	-
	07/24/02	29.21	16.40	12.81	-	-
	11/05/02	29.21	16.47	12.74	-	-
	02/04/03	29.21	16.92	12.29	-	-
	05/02/03	29.21	15.45	13.76	-	-
	08/04/03	29.21	16.46	12.75	-	-
	11/03/03	29.21	17.15	12.06	-	-
	02/09/04	29.21	15.78	13.43	-	-
	05/10/04	29.21	15.77	13.44	-	-
	08/09/04	29.21	16.45	12.76	-	-
	11/09/04	29.21	17.26	11.95	-	-
	02/03/05	34.25	15.92	18.33	-	-
	05/09/05	34.25	15.03	19.22	-	-
	08/05/05	34.25	16.59	17.66	-	-
	11/09/05	34.25	16.82	17.43	-	-
	02/09/06	34.25	14.65	19.60	-	-
	05/04/06	34.25	13.61	20.64	-	-
	08/04/06	34.25	16.28	17.97	-	-
	11/08/06	34.25	17.28	16.97	-	-
	02/08/07	34.25	17.68	16.57	-	-
	05/29/07	34.25	17.37	16.88	-	-
	09/05/07	34.25	18.53	15.72	-	-
	12/12/07	34.25	19.61	14.64	-	-
	02/13/08	34.25	18.12	16.13	-	-
	05/15/08	34.25	18.64	15.61	-	-
	08/05/08	34.25	18.88	15.37	-	-
	11/07/08	34.25	19.60	14.65	-	-
	02/05/09	34.25	19.02	15.23	-	-
	05/05/09	34.25	17.78	16.47	-	-
	08/21/09	34.25	19.24	15.01	-	-
11/23/09	34.25	19.04	15.21	-	-	
02/26/10	34.25	16.96	17.29	-	-	
05/12/10	34.25	18.23	16.02	-	-	
08/19/10	34.25	17.99	16.26	-	-	
12/22/10	34.25	18.93	15.32	-	-	
03/24/11	34.25	17.57	16.68	-	-	
05/26/11	34.25	17.50	16.75	-	-	
08/22/11	34.25	17.83	16.42	-	-	
11/08/11	34.25	18.37	15.88	-	-	
02/03/12	34.25	18.41	15.84	-	-	
05/04/12	34.25	16.65	17.60	-	-	

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-4 (10-25)	06/29/01	29.38	17.71	11.67	-	-
	10/10/01	29.38	18.00	11.38	-	-
	01/09/02	29.38	15.02	14.36	-	-
	04/24/02	29.38	15.74	13.64	-	-
	07/24/02	29.38	16.69	12.69	-	-
	11/05/02	29.38	17.64	11.74	-	-
	02/04/03	29.38	16.02	13.36	-	-
	05/02/03	29.38	16.72	12.66	-	-
	08/04/03	29.38	17.51	11.87	-	-
	11/03/03	29.38	18.09	11.29	-	-
	02/09/04	29.38	16.67	12.71	-	-
	05/10/04	29.38	16.89	12.49	-	-
	08/09/04	29.38	17.44	11.94	-	-
	11/09/04	29.38	17.89	11.49	-	-
	02/03/05	34.42	14.98	19.44	-	-
	05/09/05	34.42	16.20	18.22	-	-
	08/05/05	34.42	17.73	16.69	-	-
	11/09/05	34.42	17.91	16.51	-	-
	02/09/06	34.42	15.62	18.80	-	-
	05/04/06	34.42	15.12	19.30	-	-
	08/04/06	34.42	17.39	17.03	-	-
	11/08/06	34.42	18.30	16.12	-	-
	02/08/07	34.42	18.57	15.85	-	-
	05/29/07	34.42	18.29	16.13	-	-
	09/05/07	34.42	19.27	15.15	-	-
	12/12/07	34.42	20.44	13.98	-	-
	02/13/08	34.42	18.52	15.90	-	-
	05/15/08	34.42	19.42	15.00	-	-
	08/05/08	34.42	19.67	14.75	-	-
	11/07/08	34.42	20.42	14.00	-	-
	02/05/09	34.42	19.72	14.70	-	-
	05/05/09	34.42	18.51	15.91	-	-
	08/21/09	34.42	19.70	14.72	-	-
11/23/09	34.42	19.79	14.63	-	-	
02/26/10	34.42	17.52	16.90	-	-	
05/12/10	34.42	18.72	15.70	-	-	
08/19/10	34.42	18.88	15.54	-	-	
12/22/10	34.42	19.22	15.20	-	-	
03/24/11	34.42	18.25	16.17	-	-	
05/26/11	34.42	18.30	16.12	-	-	
08/22/11	34.42	18.74	15.68	-	-	
11/08/11	34.42	19.26	15.16	-	-	
02/03/12	34.42	19.29	15.13	-	-	
05/04/12	34.42	17.42	17.00	-	-	

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-5* (12-22)	02/03/05	33.33	14.23	19.10	-	-
	05/09/05	33.33	14.33	19.00	-	-
	08/05/05	33.33	15.89	17.44	-	-
	11/09/05	33.33	16.18	17.15	-	-
	02/09/06	33.33	14.02	19.31	-	-
	05/04/06	33.33	12.97	20.36	-	-
	08/04/06	33.33	15.63	17.70	-	-
	11/08/06	33.33	16.55	16.78	-	-
	02/08/07	33.33	16.12	17.21	-	-
	05/29/07	33.33	15.87	17.46	-	-
	09/05/07	33.33	16.95	16.38	-	-
	12/12/07	33.33	18.13	15.20	-	-
	02/13/08	33.33	16.58	16.75	-	-
	05/15/08	33.33	17.08	16.25	-	-
	08/05/08	33.33	17.42	15.91	-	-
	11/07/08	33.33	17.99	15.34	-	-
	02/05/09	33.33	17.42	15.91	-	-
	05/05/09	33.33	16.20	17.13	-	-
	08/21/09	33.33	17.66	15.67	-	-
	11/23/09	33.33	17.39	15.94	-	-
	02/26/10	33.33	15.41	17.92	-	-
	05/12/10	33.33	16.51	16.82	-	-
	08/19/10	33.33	17.05	16.28	-	-
	12/22/10	33.33	17.79	15.54	-	-
	03/24/11	33.33	17.13	16.20	-	-
	05/26/11	33.33	16.92	16.41	-	-
08/22/11	33.33	16.84	16.49	-	-	
11/08/11	33.33	17.37	15.96	-	-	
02/03/12	33.33	17.41	15.92	-	-	
05/04/12		33.33	15.57	17.76	-	-

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amst)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-6* (12-22)	02/03/05	32.82	13.99	18.83	-	Sheen
	05/09/05	32.82	13.61	19.21	-	Sheen
	08/05/05	32.82	15.50	17.32	15.13	0.37
	11/09/05	32.82	15.87	16.95	15.50	0.37
	02/09/06	32.82	13.93	18.89	13.22	0.71
	05/04/06	32.82	12.88	19.94	12.13	0.75
	08/04/06	32.82	15.22	17.60	14.81	0.41
	11/08/06	32.82	16.16	16.66	15.78	0.38
	02/08/07	32.82	15.48	17.34	15.14	0.34
	05/29/07	32.82	15.35	17.47	15.04	0.31
	09/05/07	32.82	15.55	17.27	-	-
	12/12/07	32.82	17.22	15.60	-	Sheen
	02/13/08	32.82	15.54	17.28	-	Sheen
	05/15/08	32.82	16.25	16.57	-	-
	08/05/08	32.82	16.48	16.34	-	-
	11/07/08	32.82	17.33	15.49	-	-
	02/05/09	32.82	16.53	16.29	-	-
	05/05/09	32.82	15.46	17.36	-	-
	08/21/09	32.82	16.70	16.12	-	-
	11/23/09	32.82	16.53	16.29	-	-
	02/26/10	32.82	14.37	18.45	-	-
	05/12/10	32.82	15.18	17.64	-	-
	08/19/10	32.82	15.13	17.69	-	-
	12/22/10	32.82	16.91	15.91	-	-
	03/24/11	32.82	17.47	15.35	-	-
	05/26/11	32.82	16.57	16.25	-	-
	08/22/11	32.82	16.32	16.50	-	-
	11/08/11	32.82	16.80	16.02	-	-
02/03/12	32.82	16.79	16.03	-	-	
05/04/12	32.82	14.91	17.91	-	-	

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-7* (12-22)	02/03/05	33.07	14.17	18.90	-	Sheen
	05/09/05	33.07	14.47	18.60	14.44	0.03
	08/05/05	33.07	16.07	17.00	16.02	0.05
	11/09/05	33.07	16.47	16.60	16.35	0.12
	02/09/06	33.07	14.18	18.89	14.11	0.07
	05/04/06	33.07	13.12	19.95	13.11	0.01
	08/04/06	33.07	15.74	17.33	-	Sheen
	11/08/06	33.07	16.59	16.48	-	Sheen
	02/08/07	33.07	16.23	16.84	-	Sheen
	05/29/07	33.07	16.13	16.94	-	Sheen
	09/05/07	33.07	16.40	16.67	-	Sheen
	12/12/07	33.07	18.02	15.05	-	Sheen
	02/13/08	33.07	16.27	16.80	-	Sheen
	05/15/08	33.07	17.01	16.06	-	-
	08/05/08	33.07	17.23	15.84	-	-
	11/07/08	33.07	18.18	14.89	-	-
	02/05/09	33.07	17.26	15.81	-	-
	05/05/09	33.07	16.13	16.94	-	-
	08/21/09	33.07	17.39	15.68	-	-
	11/23/09	33.07	17.33	15.74	-	-
	02/26/10	33.07	15.15	17.92	-	-
	05/12/10	33.07	16.43	16.64	-	-
	08/19/10	33.07	16.79	16.28	-	-
	12/22/10	33.07	17.09	15.98	-	-
	03/24/11	33.07	16.77	16.30	-	-
	05/26/11	33.07	17.03	16.04	-	-
	08/22/11	33.07	16.37	16.70	-	-
	11/08/11	33.07	16.88	16.19	-	-
	02/03/12	33.07	16.82	16.25	-	-
	05/04/12	33.07	14.98	18.09	-	-
MW-8 (12-22)	05/15/08	31.73	16.47	15.26	-	-
	08/05/08	31.73	16.88	14.85	-	-
	11/07/08	31.73	17.28	14.45	-	-
	02/05/09	31.73	16.78	14.95	-	-
	05/05/09	31.73	16.05	15.68	-	-
	08/21/09	31.73	17.05	14.68	-	-
	11/23/09	31.73	16.72	15.01	-	-
	02/26/10	31.73	14.59	17.14	-	-
	05/12/10	31.73	15.79	15.94	-	-
	08/19/10	31.73	15.76	15.97	-	-
	12/22/10	31.73	16.37	15.36	-	-
	03/24/11	31.73	15.40	16.33	-	-
	05/26/11	31.73	15.50	16.23	-	-
	08/22/11	31.73	16.12	15.61	-	-
	11/08/11	31.73	16.66	15.07	-	-
02/03/12	31.73	16.68	15.05	-	-	
05/04/12	31.73	14.61	17.12	-	-	

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to Water ³ (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-9 (12-22)	05/15/08	29.02	15.16	13.86	-	-
	08/05/08	29.02	15.38	13.64	-	-
	11/07/08	29.02	15.84	13.18	-	-
	02/05/09	29.02	15.38	13.64	-	-
	05/05/09	29.02	14.38	14.64	-	-
	08/21/09	29.02	15.41	13.61	-	-
	11/23/09	29.02	15.36	13.66	-	-
	02/26/10	29.02	13.51	15.51	-	-
	05/12/10	29.02	14.30	14.72	-	-
	08/19/10	29.02	14.49	14.53	-	-
	12/22/10	29.02	14.61	14.41	-	-
	03/24/11	29.02	13.29	15.73	-	-
	05/26/11	29.02	13.71	15.31	-	-
	08/22/11	29.02	14.58	14.44	-	-
	11/08/11	29.02	14.77	14.25	-	-
02/03/12	29.02	17.79	11.23	-	-	
	05/04/12	29.02			-	-
MW-10 (12-22)	02/03/05	31.17	12.65	18.52	-	-
	05/09/05	31.17	13.09	18.08	-	-
	08/05/05	31.17	14.68	16.49	-	-
	11/09/05	31.17	14.94	16.23	-	-
	02/09/06	31.17	12.82	18.35	-	-
	05/04/06	31.17	12.11	19.06	-	-
	08/04/06	31.17	14.38	16.79	-	-
	11/08/06	31.17	15.32	15.85	-	-
	02/08/07	31.17	15.59	15.58	-	-
	05/29/07	31.17	15.27	15.90	-	-
	09/05/07	31.17	16.25	14.92	-	-
	12/12/07	31.17	17.75	13.42	-	Sheen
	02/13/08	31.17	15.59	15.58	-	-
	05/15/08	31.17	16.40	14.77	-	-
	08/05/08	31.17	16.67	14.50	-	-
	11/07/08	Well now located beneath a new residential building. Impossible to gauge well.				

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-11 (12-22)	02/03/05	31.78	13.39	18.39	-	Sheen
	05/09/05	31.78	13.89	17.89	-	Sheen
	08/05/05	31.78	15.47	16.31	-	Sheen
	11/09/05	31.78	15.73	16.05	-	Sheen
	02/09/06	31.78	13.53	18.25	-	Sheen
	05/04/06	31.78	12.73	19.05	-	Sheen
	08/04/06	31.78	15.17	16.61	-	Sheen
	11/08/06	31.78	16.15	15.63	-	-
	02/08/07	31.78	16.36	15.42	-	Sheen
	05/29/07	31.78	16.06	15.72	-	Sheen
	09/05/07	31.78	17.03	14.75	-	Sheen
	12/12/07	31.78	18.68	13.10	-	-
	02/13/08	31.78	16.28	15.50	-	-
	05/15/08	31.78	17.12	14.66	-	-
	08/05/08	31.78	17.33	14.45	-	-
11/07/08	Well now located beneath a new residential building. Impossible to gauge well.					
MW-12 (12-22)	02/03/05	32.05	13.70	18.35	-	Sheen
	05/09/05	32.05	14.17	17.88	-	Sheen
	08/05/05	32.05	15.69	16.36	-	Sheen
	11/09/05	32.05	15.93	16.12	-	Sheen
	02/09/06	32.05	13.78	18.27	-	Sheen
	05/04/06	32.05	12.98	19.07	-	Sheen
	08/04/06	32.05	15.39	16.66	-	Sheen
	11/08/06	32.05	16.29	15.76	-	-
	02/08/07	32.05	16.54	15.51	-	-
	05/29/07	32.05	16.27	15.78	-	-
	09/05/07	32.05	17.24	14.81	-	-
	12/12/07	32.05	18.65	13.40	-	-
	02/14/08	32.05	16.50	15.55	-	-
	05/15/08	32.05	17.34	14.71	-	-
	08/05/08	32.05	17.61	14.41	-	-
11/07/08	Well now located beneath a new residential building. Impossible to gauge well.					
MW-13 (12-22)	05/15/08	28.84	14.87	13.97	-	-
	08/05/08	28.84	15.10	13.74	-	-
	11/07/08	28.84	15.61	13.23	-	-
	02/05/09	28.84	15.09	13.75	-	-
	05/05/09	28.84	14.09	14.75	-	-
	08/21/09	28.84	15.11	13.73	-	-
	11/23/09	28.84	15.11	13.73	-	-
	02/26/10	28.84	13.32	15.52	-	-
	05/12/10	28.84	14.10	14.74	-	-
	08/19/10	28.84	14.30	14.54	-	-
	12/22/10	28.84	14.25	14.59	-	-
	03/24/11	28.84	12.91	15.93	-	-
	05/26/11	28.84	13.68	15.16	-	-
	08/22/11	28.84	14.31	14.53	-	-
	11/08/11	28.84	14.76	14.08	-	-
02/03/12	28.84	14.78	14.06	-	-	
05/04/12	28.84	12.86	15.98	-	-	

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-14 (12-22)	08/21/09	29.53	15.66	13.87	-	-
	11/23/09	29.53	15.53	14.00	-	-
	02/26/10	29.53	13.65	15.88	-	-
	05/12/10	29.53	14.48	15.05	-	-
	08/19/10	29.53	14.61	14.92	-	-
	12/22/10	29.53	14.72	14.81	-	-
	03/24/11	29.53	13.47	16.06	-	-
	05/26/11	29.53	14.05	15.48	-	-
	08/22/11	29.53	14.68	14.85	-	-
	11/08/11	29.53	15.21	14.32	-	-
	02/03/12	29.53	15.23	14.30	-	-
	05/04/12	29.53	13.28	16.25	-	-
	MW-15 (12-22)	08/21/09	29.22	16.03	13.19	-
11/23/09		29.22	15.95	13.27	-	-
02/26/10		29.22	14.30	14.92	-	-
05/12/10		29.22	14.89	14.33	-	-
08/19/10		29.22	15.18	14.04	-	-
12/22/10		29.22	15.02	14.20	-	-
03/24/11		29.22	13.95	15.27	-	-
05/26/11		29.22	14.47	14.75	-	-
08/22/11		29.22	15.19	14.03	-	-
11/08/11		29.22	15.55	13.67	-	-
02/03/12		29.22	15.56	13.66	-	-
05/04/12		29.22	13.63	15.59	-	-
MW-16 (12-22)		08/21/09	28.87	15.61	13.26	-
	11/23/09	28.87	15.61	13.26	-	-
	02/26/10	28.87	13.81	15.06	-	-
	05/12/10	28.87	14.81	14.06	-	-
	08/19/10	28.87	14.88	13.99	-	-
	12/22/10	28.87	14.63	14.24	-	-
	03/24/11	28.87	13.39	15.48	-	-
	05/26/11	28.87	13.01	15.86	-	-
	08/22/11	28.87	14.84	14.03	-	-
	11/08/11	28.87	14.96	13.91	-	-
	02/03/12	28.87	14.93	13.94	-	-
	05/04/12	28.87	13.04	15.83	-	-

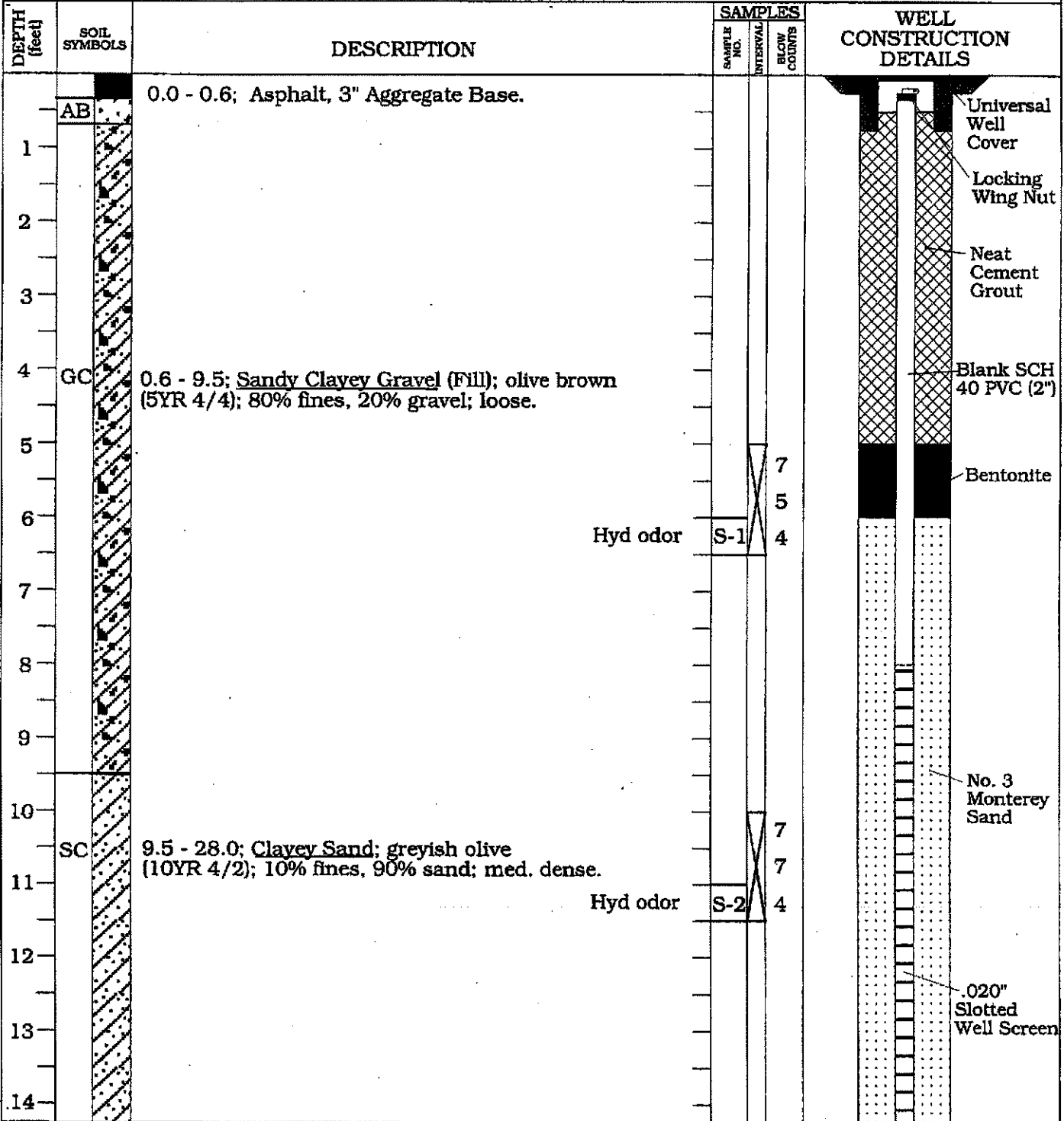
NOTES:

- not applicable
ft = feet
ft amsl = feet above mean sea level

mm = not measured
LNAPL = light non-aqueous phase liquid

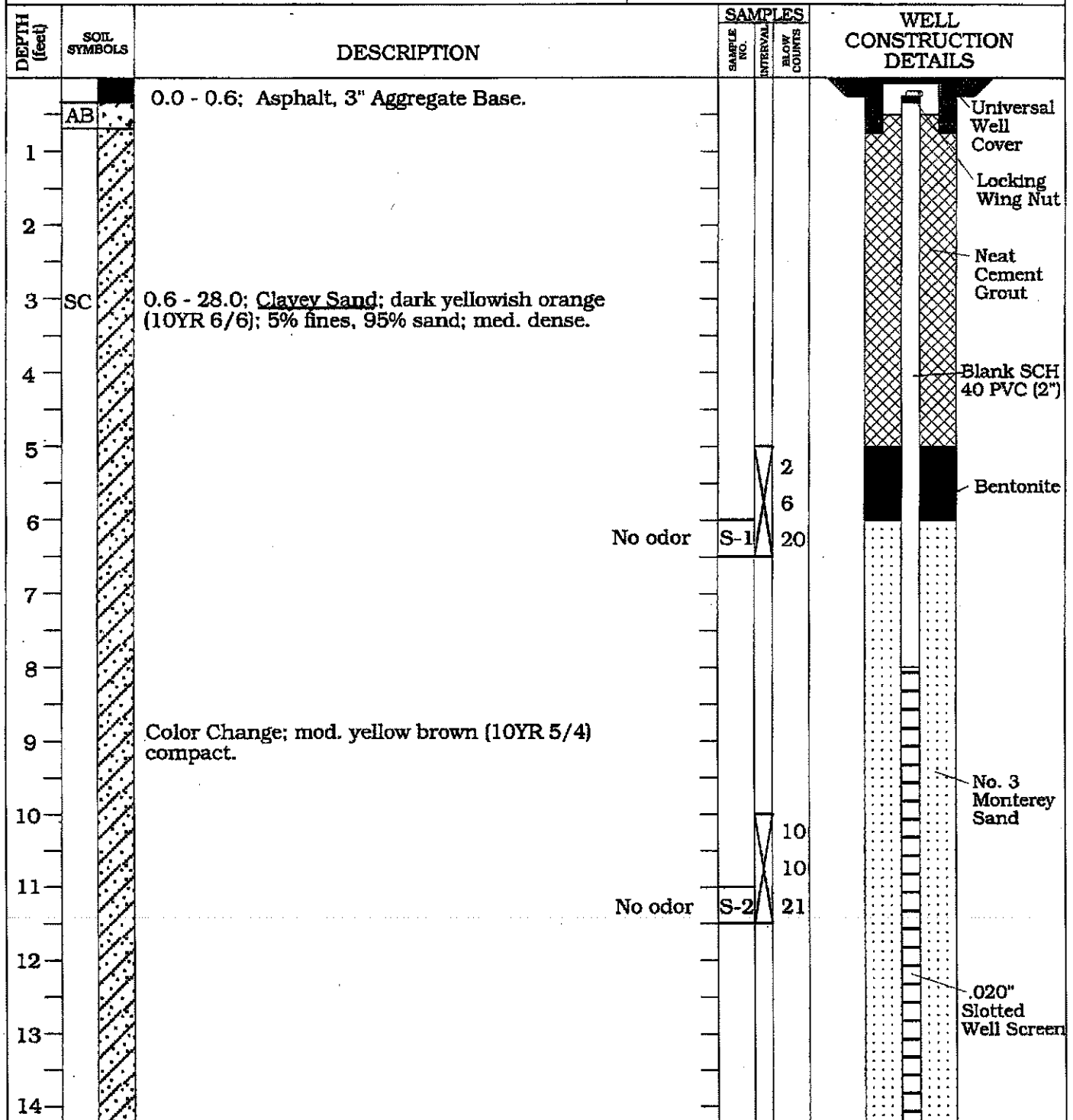
- *Well head modified to serve as remediation well, top of casing elevation no longer considered surveyed
- 1) Monitoring well top of casing (TOC) elevations were resurveyed by Morrow Surveying on January 10, 2006 and February 7, 2006
- 2) Groundwater elevations for the February 3, 2005 and subsequent monitoring episodes use the new well survey data
- 3) Depth water is measured from the top of the well casing
- 4) When LNAPL is present at >0.10 ft, the groundwater elevations are assumed to be affected by the LNAPL
- 5) Monitoring well top of casing (TOC) elevations for MW-8, 9, 13, 14, 15 & 16 were surveyed by Morrow Surveying on September 30, 2009

PROJECT: LUM #1255		LOG OF WELL NUMBER: MW-1	
BORING LOC.: IN LOCATION OF FORMER 6,000 GALLON GASOLINE TANK		ELEVATION, TOC: 23.420	
DRILLING CONTRACTOR: GREGG DRILLING		START DATE: 7/14/95	END DATE: 7/14/95
DRILLING METHOD: HOLLOW STEM AUGER		TOTAL DEPTH: 28'	SCREEN INT: 8-28'
DRILLING EQUIPMENT: MOBILE B-61		DEPTH TO WATER: 17'	CASING: 4" PVC
SAMPLING METHOD: 2" DRIVE SAMPLER		LOGGED BY: JSA	
HAMMER WEIGHT and FALL: 140 lb, 30"		RESPONSIBLE PROFESSIONAL: MCP	



DEPTH (feet)	SOIL SYMBOLS	DESCRIPTION	SAMPLES			WELL CONSTRUCTION DETAILS
			SAMPLE NO.	INTERVAL	BLOW COUNTS	
15	SC	9.5 - 28.0; <u>Clayey Sand</u> (cont.)				
16		Color Change; light olive brown (5YR 5/6); compact, moist.				
17		Hyd odor	S-3		4 11 24	▼
18						
19						
20		Same.				
21						
22						
23						
24						
25						
26						
27						
28						End Cap
29		Terminated at 28.0'				
30						
31						

PROJECT: LUM #1255		LOG OF WELL NUMBER: MW-2	
BORING LOC.: SOUTH OF FORMER WASTE OIL TANK		ELEVATION, TOC: 23.980	
DRILLING CONTRACTOR: GREGG DRILLING		START DATE: 7/14/95	END DATE: 7/14/95
DRILLING METHOD: HOLLOW STEM AUGER		TOTAL DEPTH: 28'	SCREEN INT: 8-28'
DRILLING EQUIPMENT: MOBILE B-61		DEPTH TO WATER: 18'	CASING: 4" PVC
SAMPLING METHOD: 2" DRIVE SAMPLER		LOGGED BY: JSA	
HAMMER WEIGHT and FALL: —140 lb, 30"		RESPONSIBLE PROFESSIONAL: MCP	



DEPTH (feet)	SOIL SYMBOLS	DESCRIPTION	SAMPLES			WELL CONSTRUCTION DETAILS	
			SAMPLE NO.	INTERVAL	BLOW COUNTS		
15	SC	0.6 - 28.0; <u>Clayey Sand</u> (cont.)			5		
16		Hyd odor	S-3	9	19		
17							
18			Same.				
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							End Cap
29			Terminated at 28.0'				
30							
31							

Project No: 4332

Sheet: 1 of 1

Project Name: LUM

Log of Borehole: MW-3

Client: VIC'S AUTOMOTIVE

Location: NORTH CORNER

Depth (ft)	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						
1			SAND Fine to medium clean sand						
2									
3									
4									
5		SM	Silty sand, damp						PID = 0 ppm
6				MW-3 5'	SS	38	100		No hydrocarbon (HC) odor
7									
8									
9									
10		SM	Sand with clay and silt						PID = 0 ppm
11				MW-3 10'	SS	22	70		No HC odor
12									
13									
14									
15		SC	Clay increasing						Same as above
16				MW-3 15'	SS	54	100		
17									
18									
19									
20		SP	Sand - few fines						Strong HC odor
21				MW-3 20'	SS	49	100		PID = 253 ppm
22									
23									
24									
25		SP	Fine to med sand, saturated						
26				MW-3 25'	SS	43	80		PID = 16 ppm
27			End of Borehole						
28									

Drill Date 5/25/01

Reviewed by: EW

AEI Consultants

Drill Method: HOLLOW AUGER

Logged by: PJM

3210 Old Tunnel Road, Suite B

Total Depth: 25

Lafayette, CA 94549

Depth to Water: 20.5

(925) 283-6000

Project No: 4332

Sheet: 1 of 1

Project Name: LUM

Log of Borehole: MW-4

Client: VIC'S AUTOMOTIVE

Location: SOUTH CORNER

Depth (ft)	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						
0-2			FILL						
2-3			CONCRETE SLAB						
3-25		SM	SAND Fine sand with few fines						
5-6				MW-4 5'	SS	8	100		PID = 0 ppm
7-10		SC	Clayey sand						No recovery
10-11				MW-4 10'	SS	33	<10		No recovery
15-16		SC	Fine to med sand, low clay, damp						PID = 0 ppm No HC odor
16-17				MW-4 15'	SS	25	100		
20-21		SP	Fine to med sand, clean Saturated						No HC odor PID = 102 ppm
21-22				MW-4 20'	SS	39	100		
25-26		SP							No recovery PID = 93 ppm
26-27				MW-4 25'	SS	35	<20		
27-28			End of Borehole						

Drill Date 5/25/01

Reviewed by: EW

AEI Consultants
3210 Old Tunnel Road, Suite B
Lafayette, CA 94549
(925) 283-6000

Drill Method: HOLLOW AUGER

Logged by: PJM

Total Depth: 25

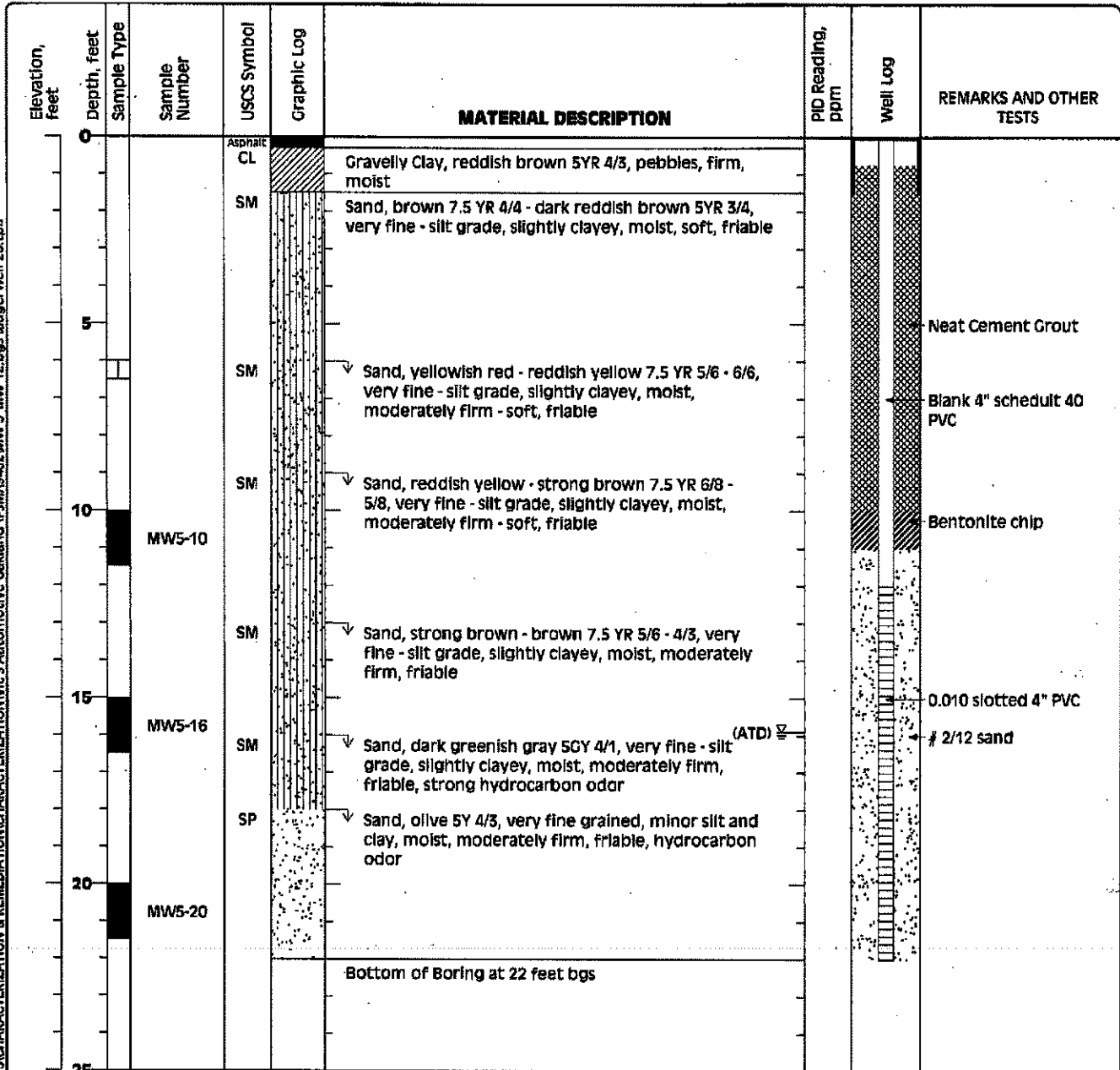
Depth to Water: 20

Project: Vic's Automotive
Project Location: 245 8th Street, Oakland, CA
Project Number: 9482

Log of Boring MW-5
 Sheet 1 of 1

Date(s) Drilled January 11, 2005	Logged By Robert F. Flory	Checked By Adrian Angel
Drilling Method Hollow Stem Auger	Drill Bit Size/Type	Total Depth of Borehole 22 feet bgs
Drill Rig Type CME 75	Drilling Contractor HEW Drilling	Approximate Surface Elevation
Groundwater Level and Date Measured 15.9 feet ATD	Sampling Method(s) ModCal, Grab	Hammer Data
Borehole Backfill Well Completion	Location	

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Figure

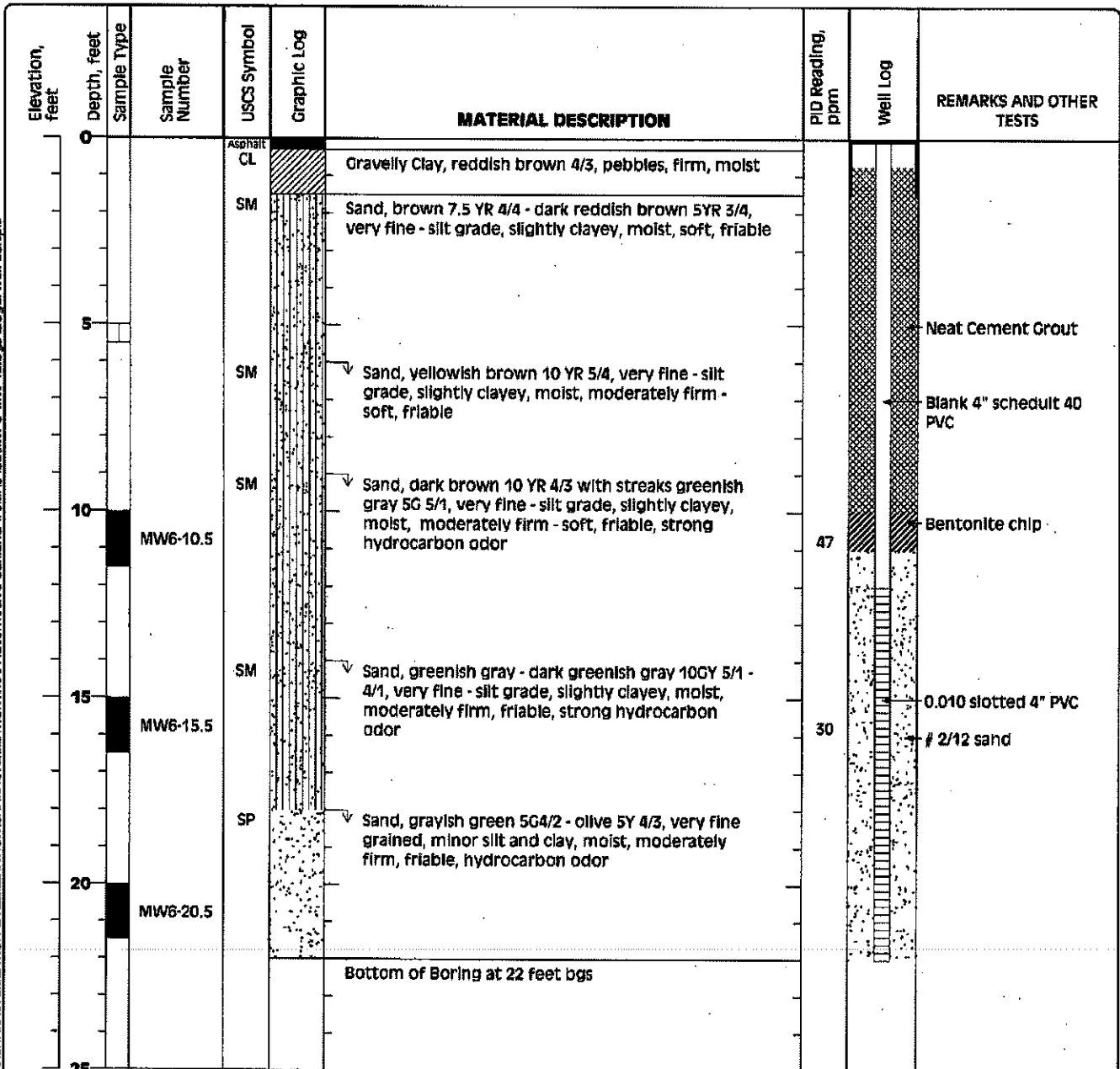


Project: Vic's Automotive
Project Location: 245 8th Street, Oakland, CA
Project Number: 9482

Log of Boring MW-6
 Sheet 1 of 1

Date(s) Drilled	January 19, 2005	Logged By	Adrian Angel	Checked By	Robert F. Flory
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	10 1/2 inch	Total Depth of Borehole	22 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	HEW Drilling	Approximate Surface Elevation	
Groundwater Level and Date Measured	Not Measured	Sampling Method(s)	ModCal, Grab	Hammer Data	
Borehole Backfill	Well Completion	Location			

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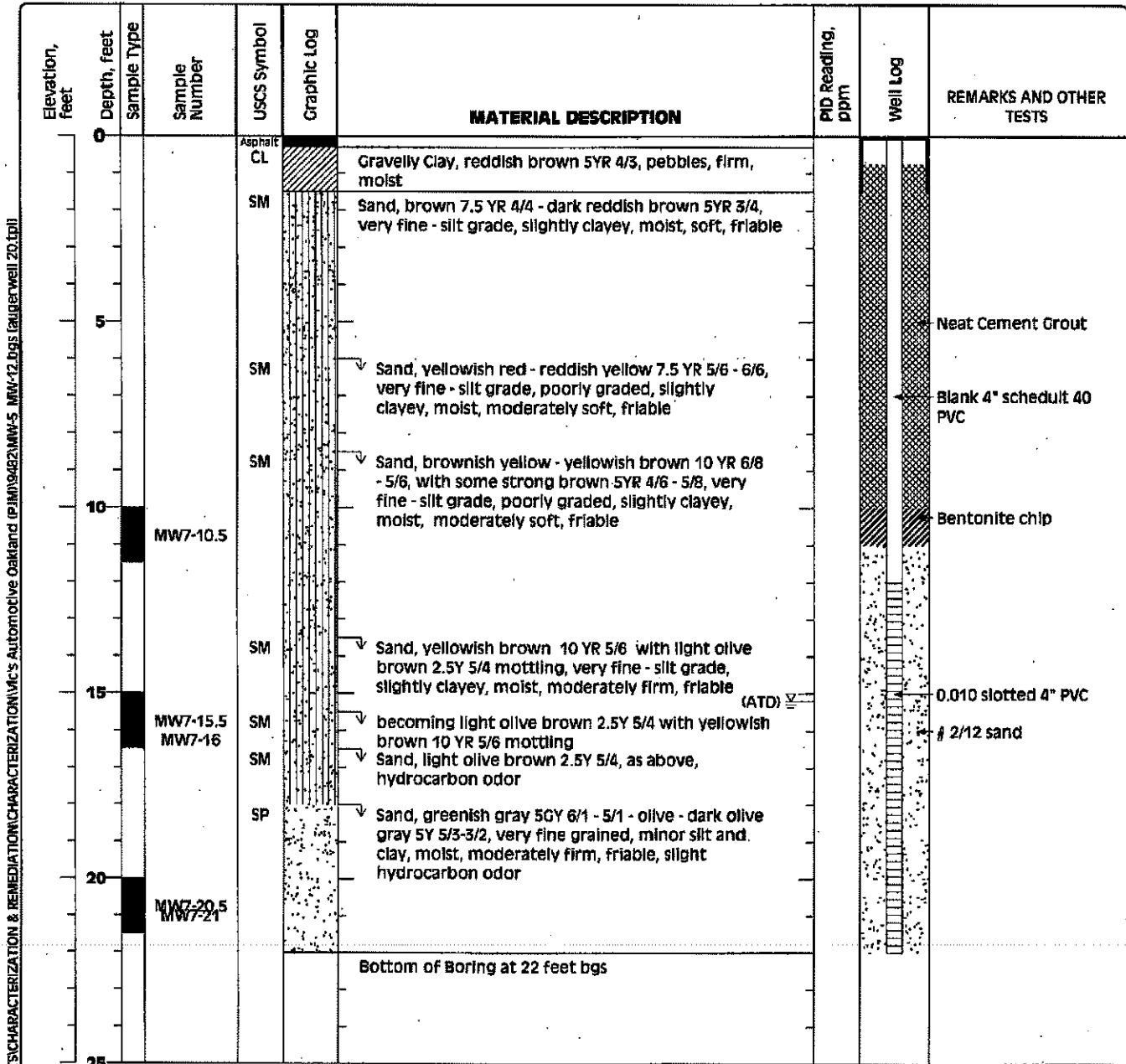
Figure



Project: Vic's Automotive
Project Location: 245 8th Street, Oakland, CA
Project Number: 9482

Log of Boring MW-7
 Sheet 1 of 1

Dates Drilled	January 11, 2005	Logged By	Robert F. Flory	Checked By	Adrian Angel
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	10 1/2 inch	Total Depth of Borehole	22 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	HEW Drilling	Approximate Surface Elevation	
Groundwater Level and Date Measured	15.2 feet ATD	Sampling Method(s)	ModCal	Hammer Data	
Borehole Backfill	Well Completion	Location			



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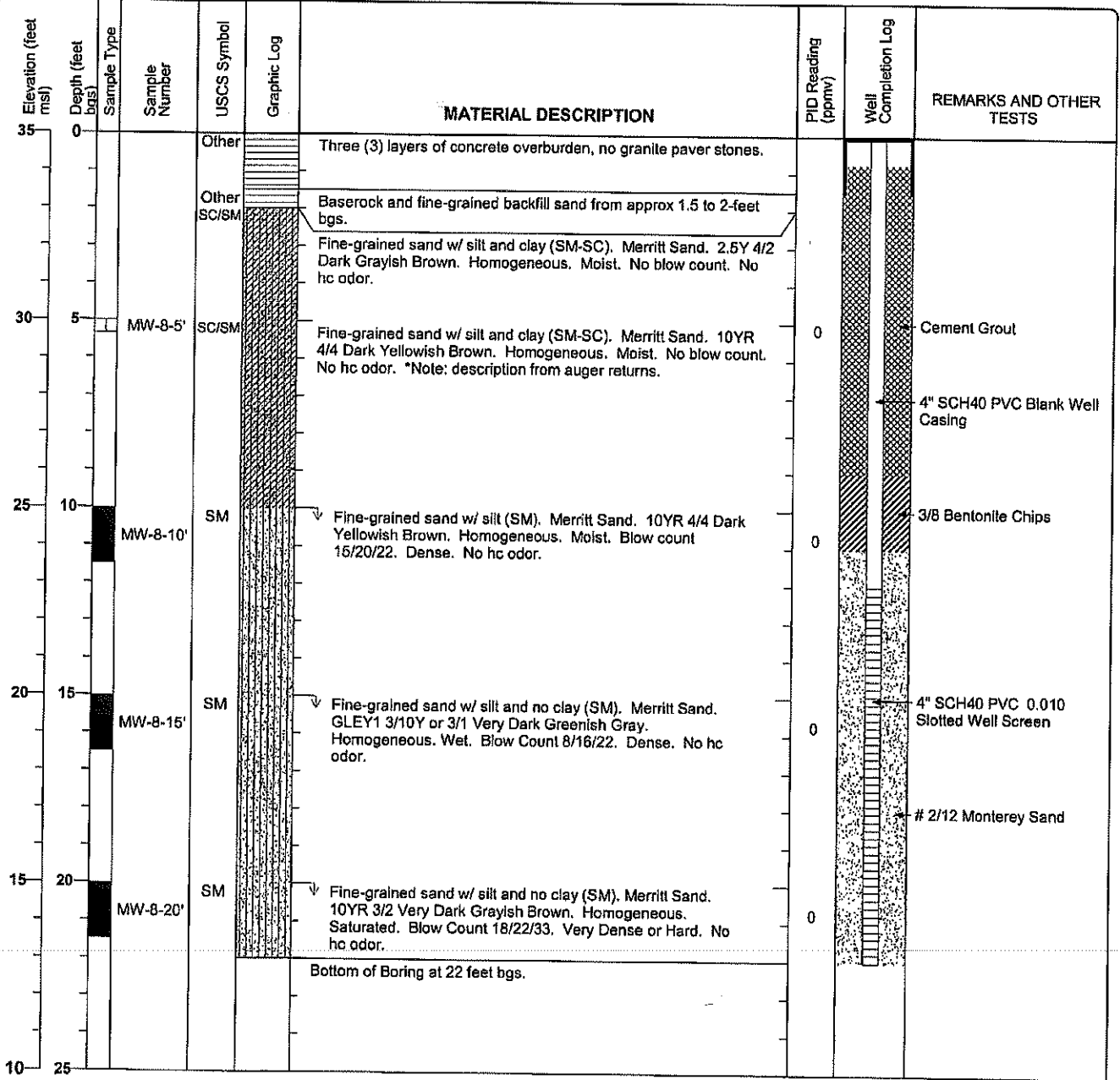


Figure

Project: Vic's Automotive
Project Location: 245 8th Street, Oakland, California
Project Number: 116907

Log of Boring MW-8
 Sheet 1 of 1

Date(s) Drilled	March 18, 2008	Logged By	Ricky Bradford	Checked By	Peter McIntyre
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	10 inch	Total Depth of Borehole	22 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	Precision Sampling, Inc.	Approximate Surface Elevation	35 feet MSL
Groundwater Level and Date Measured	Not Measured	Sampling Method(s)	ModCal, Grab	Hammer Data	
Borehole Backfill	Well Completion	Location	Parking Lane Along Alice Street Southwest of the Subject Property		

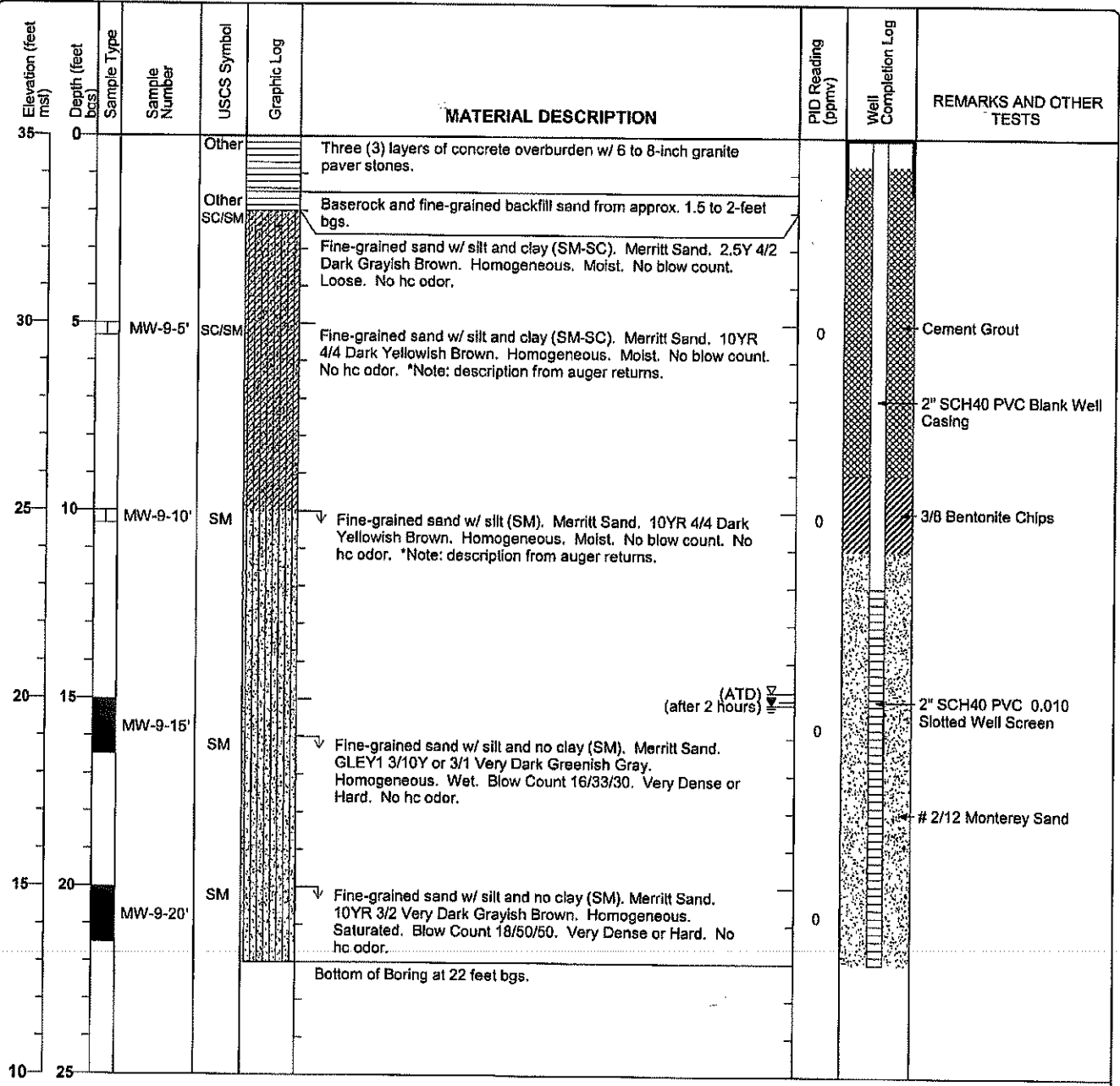


Figure

Project: Vic's Automotive
Project Location: 245 8th Street, Oakland, California
Project Number: 116907

Log of Boring MW-9
 Sheet 1 of 1

Date(s) Drilled	March 17, 2008	Logged By	Ricky Bradford	Checked By	Peter McIntyre
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8 inch	Total Depth of Borehole	22 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	Precision Sampling, Inc.	Approximate Surface Elevation	35 feet MSL
Groundwater Level and Date Measured	14.77 feet ATD, 15.1 feet after 2 hours	Sampling Method(s)	ModCal, Grab	Hammer Data	
Borehole Backfill	Well Completion	Location	Parking Lane Along 7th Street Southwest of the Subject Property		

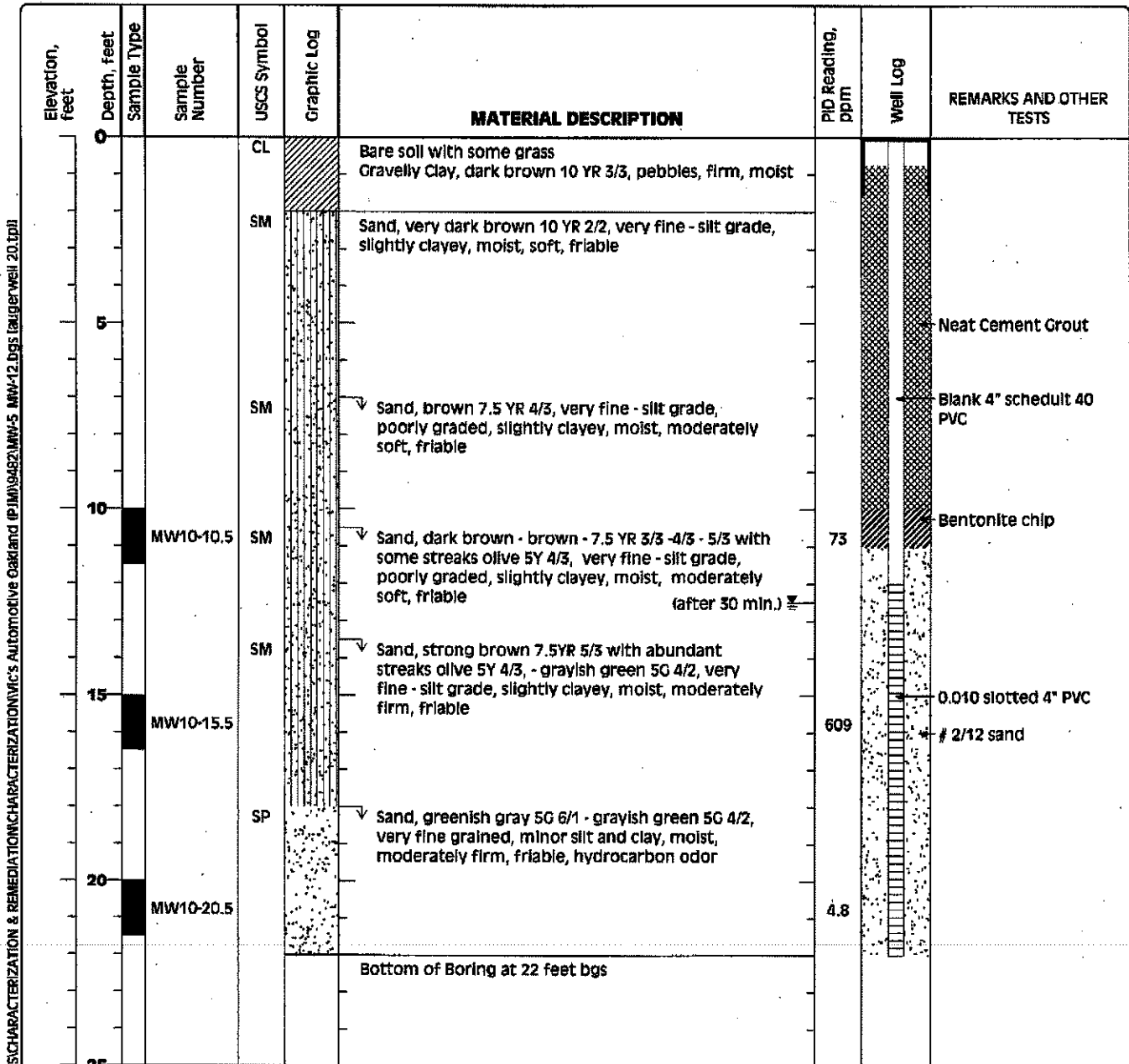


Figure

Project: Vic's Automotive
Project Location: 245 8th Street, Oakland, CA
Project Number: 9482

Log of Boring MW-10
 Sheet 1 of 1

Date(s) Drilled January 20, 2005	Logged By Adrian Angel	Checked By Robert F. Flory
Drilling Method Hollow Stem Auger	Drill Bit Size/Type 10 1/2 inch	Total Depth of Borehole 22 feet bgs
Drill Rig Type CME 75	Drilling Contractor HEW Drilling	Approximate Surface Elevation
Groundwater Level 12.5 feet after 30 min. and Date Measured min.	Sampling Method(s) ModCal	Hammer Data
Borehole Backfill Well Completion	Location	



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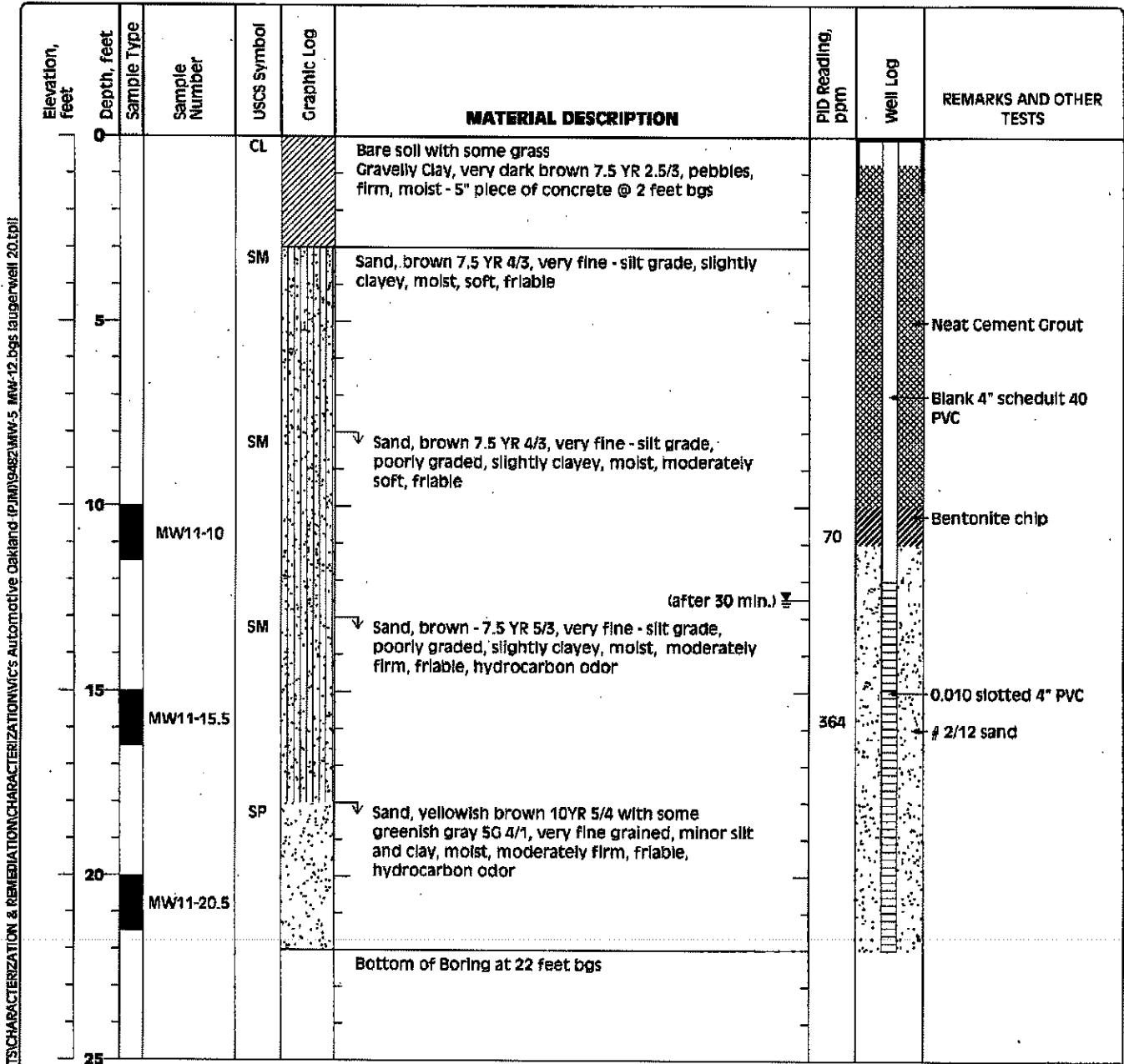


Figure

Project: Vic's Automotive
Project Location: 245 8th Street, Oakland, CA
Project Number: 9482

Log of Boring MW-11
 Sheet 1 of 1

Date(s) Drilled	January 20, 2005	Logged By	Adrian Angel	Checked By	Robert F. Flory
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	10 1/2 inch	Total Depth of Borehole	22 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	HEW Drilling	Approximate Surface Elevation	
Groundwater Level and Date Measured	12.5 feet after 30 min.	Sampling Method(s)	ModCal	Hammer Data	
Borehole Backfill	Well Completion	Location			



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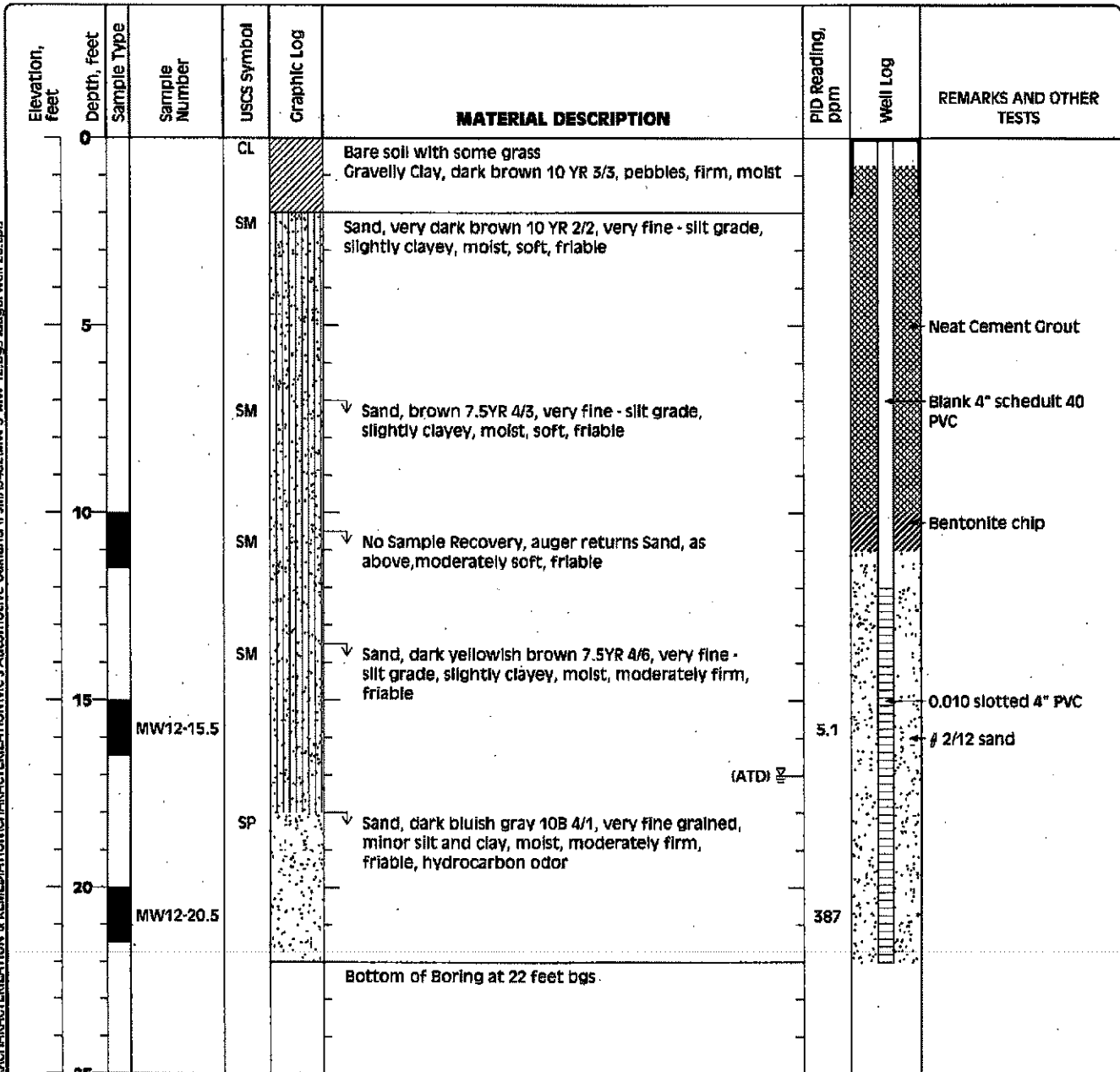
Figure

Project: Vic's Automotive
Project Location: 245 8th Street, Oakland, CA
Project Number: 9482

Log of Boring MW-12
 Sheet 1 of 1

Date(s) Drilled	January 20, 2005	Logged By	Adrian Angel	Checked By	Robert F. Flory
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	10 1/2 inch	Total Depth of Borehole	22 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	HEW Drilling	Approximate Surface Elevation	
Groundwater Level and Date Measured	17 feet ATD	Sampling Method(s)	ModCal	Hammer Data	
Borehole Backfill	Well Completion	Location			

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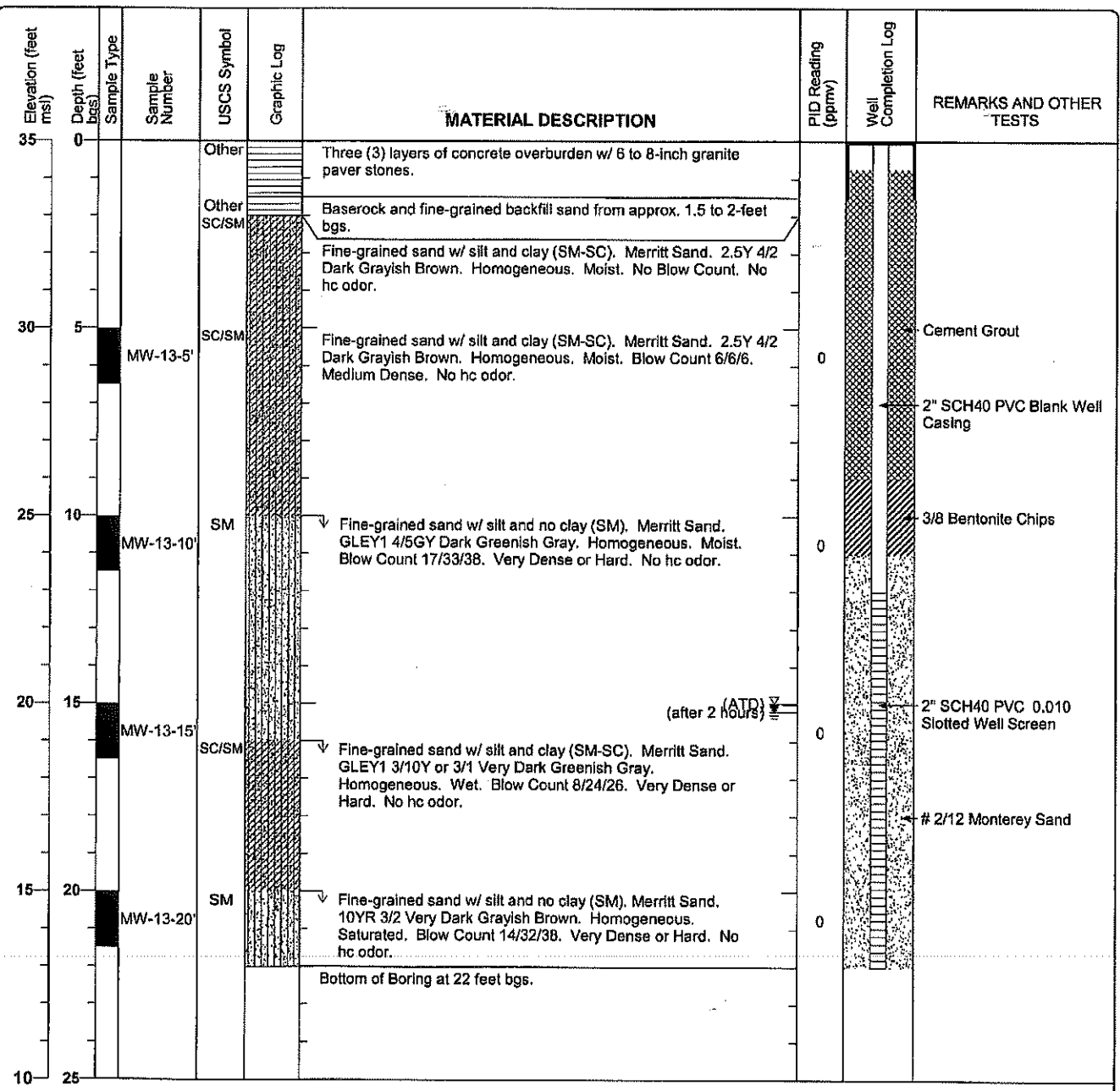


Figure

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Project: Vic's Automotive Project Location: 245 8th Street, Oakland, California Project Number: 116907	<h2 style="margin: 0;">Log of Boring MW-13</h2> <p style="margin: 0;">Sheet 1 of 1</p>
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Date(s) Drilled March 17, 2008	Logged By Ricky Bradford	Checked By Peter McIntyre
Drilling Method Hollow Stem Auger	Drill Bit Size/Type 8 inch	Total Depth of Borehole 22 feet bgs
Drill Rig Type CME 75	Drilling Contractor Precision Sampling, Inc.	Approximate Surface Elevation 35 feet MSL
Groundwater Level and Date Measured 14.98 feet ATD, 15.2 feet after 2 hours	Sampling Method(s) ModCal	Hammer Data
Borehole Backfill Well Completion	Location Parking Lane Along 7th Street Southwest of the Subject Property	

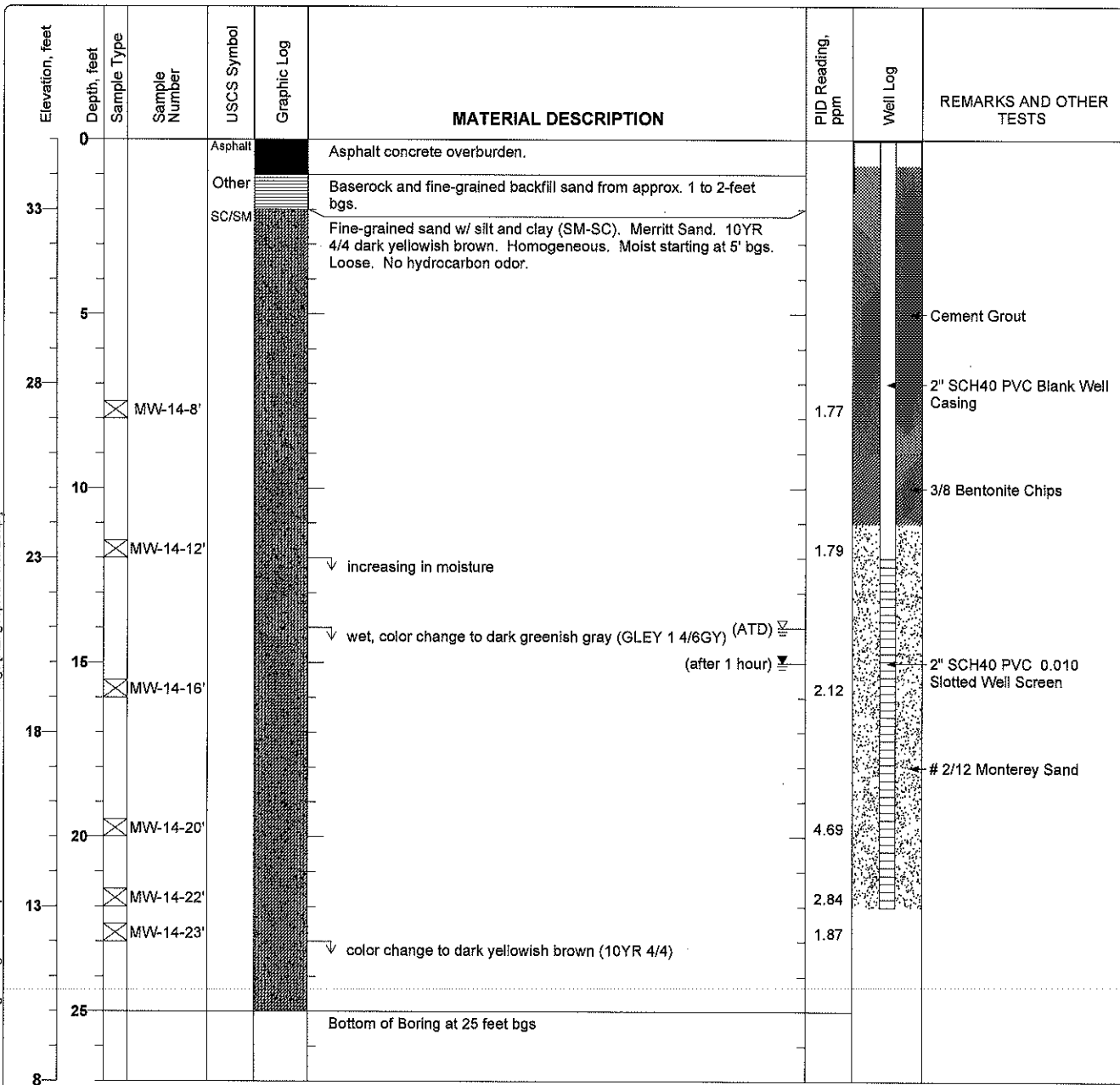


Figure

Project: Vic's Automotive
Project Location: 245 8th Street, Oakland, California
Project Number: 116907

Log of Boring MW-14
 Sheet 1 of 1

Date(s) Drilled July 28, 2009	Logged By Ricky Bradford	Checked By Peter McIntyre
Drilling Method Hollow Stem Auger	Drill Bit Size/Type 8 inch	Total Depth of Borehole 25 feet bgs
Drill Rig Type CME 75	Drilling Contractor RSI	Approximate Surface Elevation 35 feet MSL
Groundwater Level and Date Measured 14 feet ATD, 15 feet after 1 hour	Sampling Method(s) Tube	Hammer Data
Borehole Backfill Well Completion	Location Parking Lane Along 7th Street Southwest of the Subject Property	



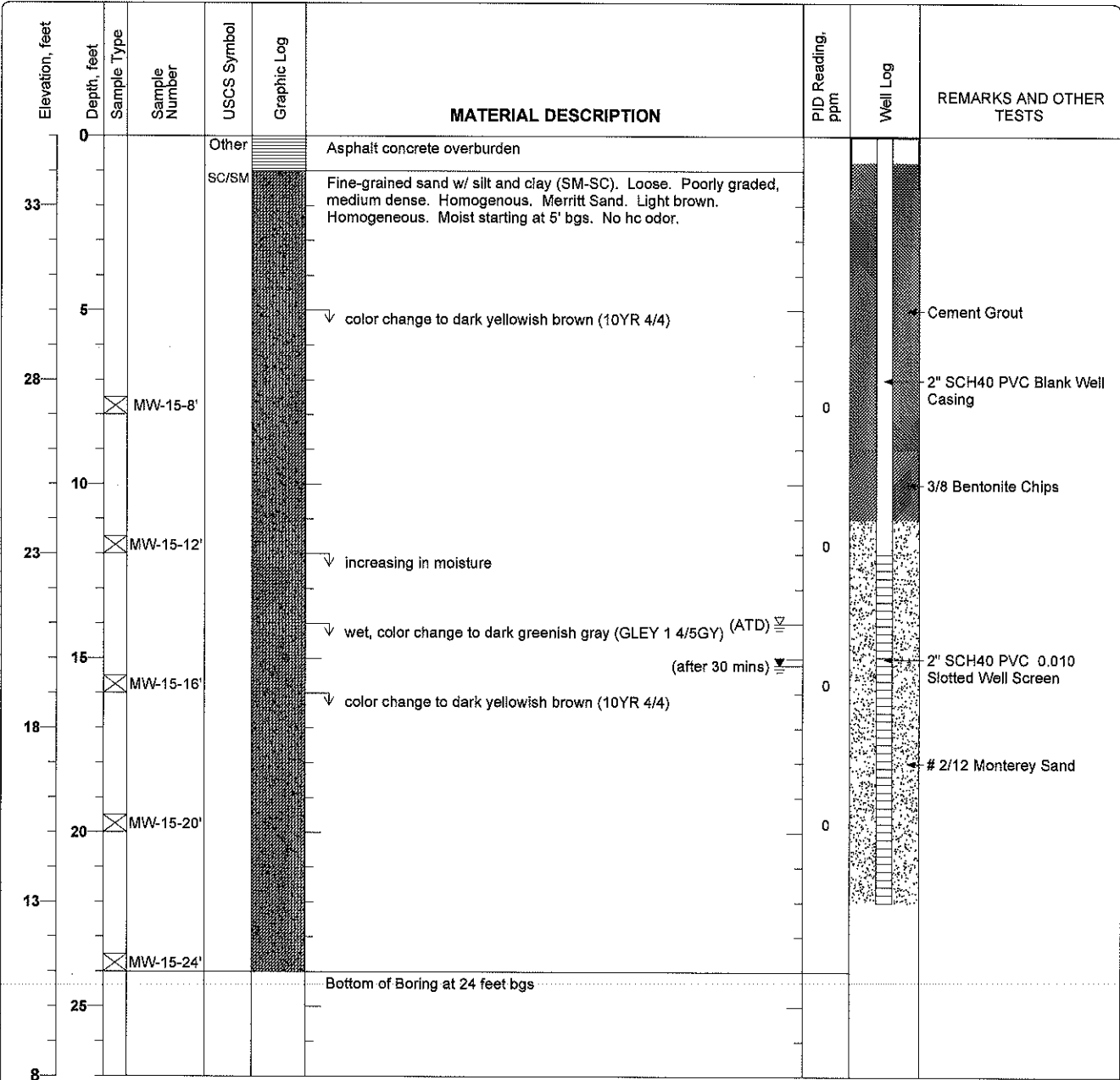
Figure

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Project: Vic's Automotive
Project Location: 245 8th Street, Oakland, California
Project Number: 116907

Log of Boring MW-15
 Sheet 1 of 1

Date(s) Drilled March 17, 2008	Logged By Ricky Bradford	Checked By Peter McIntyre
Drilling Method Hollow Stem Auger	Drill Bit Size/Type 8 inch	Total Depth of Borehole 24 feet bgs
Drill Rig Type CME 75	Drilling Contractor RSI	Approximate Surface Elevation 35 feet MSL
Groundwater Level and Date Measured 14 feet ATD, 15.2 feet after 30 mins	Sampling Method(s) Tube	Hammer Data
Borehole Backfill Well Completion	Location Parking Lane Along 7th Street Southwest of the Subject Property	

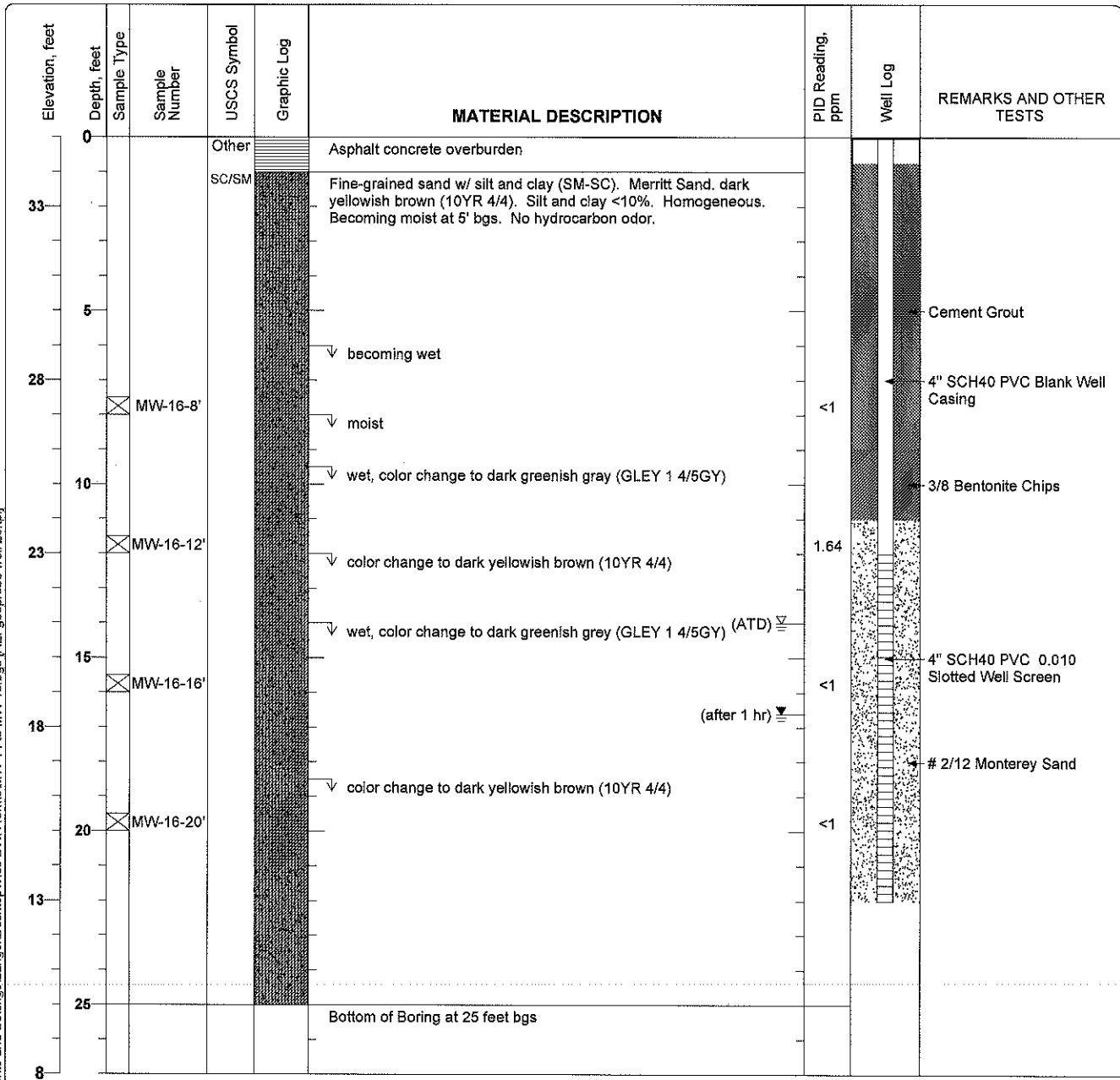


Figure

Project: Vic's Automotive
Project Location: 245 8th Street, Oakland, California
Project Number: 116907

Log of Boring MW-16
Sheet 1 of 1

Date(s) Drilled July 28, 2009	Logged By Ricky Bradford	Checked By Peter McIntyre
Drilling Method Hollow Stem Auger	Drill Bit Size/Type 10 inch	Total Depth of Borehole 25 feet bgs
Drill Rig Type CME 75	Drilling Contractor RSI	Approximate Surface Elevation 35 feet MSL
Groundwater Level and Date Measured 14 feet ATD, 16.62 feet after 1 hr	Sampling Method(s) Tube	Hammer Data
Borehole Backfill Well Completion	Location Parking Lane Along Alice Street Southwest of the Subject Property	



Figure

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Project No: 5404

Sheet: 1 of 1

Project Name: Vics Automotive

Log of Borehole: SB-4

Client: Vic Lum

Location: 245 8th Street

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						Start Drill at 2:45
2	[Stippled Pattern]	SW	<i>Sand</i> fine to medium grain loose brown no hydrocarbon odor	SB-4 4' V	V				
4									
6	[Stippled Pattern]		increasing clay brown/orange color	SB-4 6'	C				
8									
10	[Diagonal Hatched Pattern]	SC	<i>Clayey Sand</i> very fine to fine grain grayish color at 15 feet	SB-4 12'	C				
12									
14				SB-4 15'	C				
16								Hydrocarbon odor present	
18								Strong hydrocarbon odor	
20			End of Borehole					Temp PVC w/ 5' scr. to 18.5'	

V = Vapor Sample

Drill Date 4/2/03

Reviewed by: LMS

AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(925) 283-6000

Drill Method: Direct Push

Logged by: PJM

Total Depth: 19'

Depth to Water: 15.5

Project No: 5404

Sheet: 1 of 1

Project Name: Vics Automotive

Log of Borehole: SB-5

Client: Vic Lum

Location: 245 8th Street

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						
0-5			Fill						Hand Auger 0-5 feet
0-6		SW	Sand loose clean sand very fine to medium grain						
6-12		SP	silt and clay increasing downward brown fewer fines (loose)						
10.5			color change to olive at 10.5 feet	SB-5 11'	C				Mild hydrocarbon odor PID 1.9 ppm
12-19		SC	Silty Clayey Sand very fine to medium grain wet	SB-5 15'	C				Temp PVC w/ 5' scr to 19' 4 VOAs (SB-5 W)
19			End of Borehole						

Drill Date 4/3/03

Reviewed by: LMS

Drill Method: Direct Push

Logged by: PJM

Total Depth: 19

Depth to Water: 14.2

AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(925) 283-6000

Project No: 5404

Sheet: 1 of 1

Project Name: Vics Automotive

Log of Borehole: SB-6

Client: Vic Lum

Location: 245 8th Street

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						Start Drill at 1:30 pm Hand Auger 0-5 feet Increasing water content very slight hydrocarbon odor temp PVC w/ 5' sc to 19' 4 VOAs (SB-6 W)
0-2			Fill						
2-6		SW	Sand loose fine to medium grain brown						
6			-----						
6-8		SW/ SC	color change to olive/green increasing clay damp	SB-6 7'	C				
8-10			-----						
10-12		SC	Clayey Sand very fine to medium grain wet	SB-6 11'	C				
12-16			-----						
16-18		SC	Sand with clay hard	SB-6 16'	C				
18-20			-----						
20			End of Borehole						

Drill Date 4/2/03

Drill Method: Direct Push

Total Depth: 19

Depth to Water: 15.5

Reviewed by: LMS

Logged by: PJM

AEI Consultants
 2500 Camino Diablo, Suite 200
 Walnut Creek, CA 94597
 (925) 283-6000

Project No: 5404

Sheet: 1 of 1

Project Name: Vics Automotive

Log of Borehole: SB-7

Client: Vic Lum

Location: 245 8th Street

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						
			Fill						
2		SW	Sand loose fine to medium grain brown dry	SB-7 4' V	V				
4									
6		SW/ SC	sand w/ increasing clay, high moisture content						
8									
10									
12		SC	Clayey Sand fine to medium grain wet	SB-7 12'	C				Strong HC odor
14									
16		SW	dense sand with some fines	SB-7 18'	C				No soil recovery 12-16'
18									
			End of Borehole						4 VOAs (SB-7 W)
20									

Drill Date 4/2/03

Reviewed by: LMS

AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(925) 283-6000

Drill Method: Direct Push

Logged by: PJM

Total Depth: 18

Depth to Water: 15.7

Project No: 5404







Sheet: 1 of 1

Project Name: Vics Automotive

Log of Borehole: SB-8

Client: Vic Lum

Location: 245 8th Street

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						
0-2			Fill gravel and brick						Start 8:15
2-3			concrete slab						Hand Auger 0-3.5 feet bgs
3-8		SW	Sand loose fine to medium grain low fines	SB-8 4' V	V				
8-10		SC	clay increasing downward water content incr. below 8'	SB-8 8'	C				
10-14		SC	Clayey Sand fine to medium grain plastic						liner jam at 12-16 feet bgs
14-19		SC	saturated at 19'	SB-8 17'	C				
19-20									temp PVC w/ 5' scr to 20 4 VOAs (SB-8 W)

Drill Date 4/2/03

Reviewed by: LMS

AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(925) 283-6000

Drill Method: Direct Push

Logged by: PJM

Total Depth: 20

Depth to Water: 17.9

Project No: 5404

Sheet: 1 of 1

Project Name: Vics Automotive

Log of Borehole: SB-9

Client: Vic Lum

Location: 245 8th Street

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks	
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery			
0			Ground Surface							
2	●	SW	Sand loose well sorted light and dark reddish brown low fines high moisture at 7 feet bgs						20% recovery 0-3 feet bgs	
4				SB-9 5'	C					PID <1.0 ppm
6										
8										
10			very compact at 10'							
12	●	SW	greenish/olive color locally	SB-9 12'	C				PID <1.0 ppm No hydrocarbon odor	
14										
16										
18				SB-9 16'	C					PID <1.0 ppm temp PVC w/ 5' scr to 21' 4 VOAs (SB-9 W)
20										

Drill Date 4/3/03

Reviewed by: LMS

AEI Consultants
 2500 Camino Diablo, Suite 200
 Walnut Creek, CA 94597
 (925) 283-6000

Drill Method: Direct Push

Logged by: BKR & PJM

Total Depth: 20

Depth to Water: 15.5

Project No: 5404

Sheet: 1 of 1

Project Name: Vics Automotive

Log of Borehole: SB-10

Client: Vic Lum

Location: 245 8th Street

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						
0-2		SW	Sand loose dark brown/reddish color low subangular gravels (<5%) medium to coarse grain						25% recovery 0-3 feet bgs
2-6		SC	clay increasing below 6' damp to wet clayey sand 6-7'	SB-10 5'	C				PID <1.0 ppm
6-12									liner shattered 8-13 feet bgs
12-16		SW	greenish/olive in places moist compact little fines	SB-10 12'	C				PID 5.9 ppm
16-18				SB-10 16'	C				Slight hydrocarbon odor PID 10.0 ppm
18-20			End of Borehole						Strong hydrocarbon odor PID >500 ppm temp PVC w/ 5' scr to 19' 4 VOAs (SB-10 W)

Drill Date 4/3/03	Reviewed by: LMS	AEI Consultants 2500 Camino Diablo, Suite 200 Walnut Creek, CA 94597 (925) 283-8000
Drill Method: Direct Push	Logged by: BKR & PJM	
Total Depth: 19		
Depth to Water: 16		

Project No: 5404

Sheet: 1 of 1

Project Name: Vics Automotive

Log of Borehole: SB-11

Client: Vic Lum

Location: 245 8th Street

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0	[Dotted pattern]	SW	Ground Surface					Start drill at 8:45 15% recovery 0-3 feet bgs PID <1.0 ppm liner jam at 10-11 feet bgs PID 92.4 ppm Slight hydrocarbon odor ▼ PID 10.0 ppm Strong hydrocarbon odor PID >500 ppm temp PVC w/ 5' scr to 20' 4 VOAs (SB-11 W)	
2			Sand loose dark brown/reddish color medium to coarse grain						
4									
6			Clay increasing below 6' damp to wet 6-7'	SB-11 5'	C				
8									
10	[Diagonal hatching]	SW	Clayey sand dark brown clay with sand						
12			SB-11 12'	C					
14			Greenish color						
16	[Dotted pattern]	SW	Sand reddish brown color	SB-11 16'	C				
18									
20									

Drill Date 4/3/03

Reviewed by: LMS

Drill Method: Direct Push

Logged by: BKR & PJM

Total Depth: 20

Depth to Water: 14.5

AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(925) 283-6000

Project No: 5404

Sheet: 1 of 1

Project Name: Vics Automotive

Log of Borehole: SB-12

Client: Vic Lum

Location: 245 8th Street

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks	
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery			
0			Ground Surface <i>Fill</i> gravel w/ concrete						Start drill at 11:45 Hand auger 0-4.5 feet bgs attempted vapor sample at 6.5' no vapor recovery	
2		SW	Sand loose brown/orange color slightly olive minor fines damp below 5'							
4										
6						SB-12 6'	C			
8										
10		SP	sand with minor silt and clay fine grain greenish / gray color clay increasing downward saturated							
12										
14						SB-12 11'	C			
16										
18			End of Borehole							No hydrocarbon odor PVC W/ 5' scr to 18' 4 VOAs (SB-12 W)
20										

Drill Date 4/2/03

Reviewed by: LMS

AEI Consultants
 2500 Camino Diablo, Suite 200
 Walnut Creek, CA 94597
 (925) 283-6000

Drill Method: Direct Push

Logged by: PJM

Total Depth: 18

Depth to Water: 17

Project No: 5404

Sheet: 1 of 1

Project Name: Vics Automotive

Log of Borehole: SB-13

Client: Vic Lum

Location: 245 8th Street

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						
2			AC / Fill Asphalt and concrete to 1' underlain by baserock						Hand auger 0-5 feet bgs
4		SW	Sand loose light brown color						
6			fine to medium grain minor clay						
8			color change to olive/green at 8' damp	SB-13 7'	C				vapor samp. attempt no recovery
10		SW	clay increase slightly at 12'						
12				SB-13 11'	C				
14				SB-13 14'	C				No hydrocarbon odor slight sulfide odor
16		SP	fine sand with low clay saturated						temp PVC w/ 5' scr to 18' 4 VOAs (SB-13 W)
18			End of Borehole						
20									

Drill Date 4/3/03

Reviewed by: LMS

Drill Method: Direct Push

Logged by: PJM

Total Depth: 18

Depth to Water: 14.7

AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(925) 283-6000

Project No: 5404

Sheet: 1 of 1

Project Name: Vics Automotive

Log of Borehole: SB-14

Client: Vic Lum

Location: 245 8th Street

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						
0-2			AC / Fill Asphalt underlain by baserock						Hand auger 0-5 feet bgs No hydrocarbon odor
2-10		SW	Sand loose clean sand light brown/tan color minor clay below 6' damp						
10-11.5			Clayey sand fine grain sand with clay damp	SB-14 11'	C				
11.5-14			color change to greenish/olive at 11.5'						
14-16		SC		SB-14 14'	C				
16-18.5			sand with clay fine to medium grain saturated						
18.5-20			End of Borehole						

Drill Date 4/3/03

Reviewed by: LMS

AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(925) 283-6000

Drill Method: Direct Push

Logged by: PJM

Total Depth: 18.5

Depth to Water: 16.5

temp PVC w/ 5' scr to 18.5'
4 VOAs (SB-14 W)

Project No: 5404

Sheet: 1 of 1

Project Name: Vics Automotive

Log of Borehole: SB-15

Client: Vic Lum

Location: 245 8th Street

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft.	Recovery		
0			Ground Surface						Start drill at 12:55 pm Hand auger 0-5 feet bgs No hydrocarbon odor
			Fill						
2			Sand loose poorly graded						
4		SP	very fine-medium silt and clay increasing downward						
6			wet soils 6-7'						
8			greenish/olive at 9'						
10				SB-15 10'	C				
12			Clayey sand fine to medium grain damp/wet						
14		SP		SB-15 14'	C				
16			less fines, clean						
18			color change to orange at 17' saturated						
20			End of Borehole						PVC w/ 5' scr. to 18.5' 4 VOAs (SB-15 W)

Drill Date 4/3/03

Reviewed by: LMS

AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(925) 283-6000

Drill Method: Direct Push

Logged by: PJM

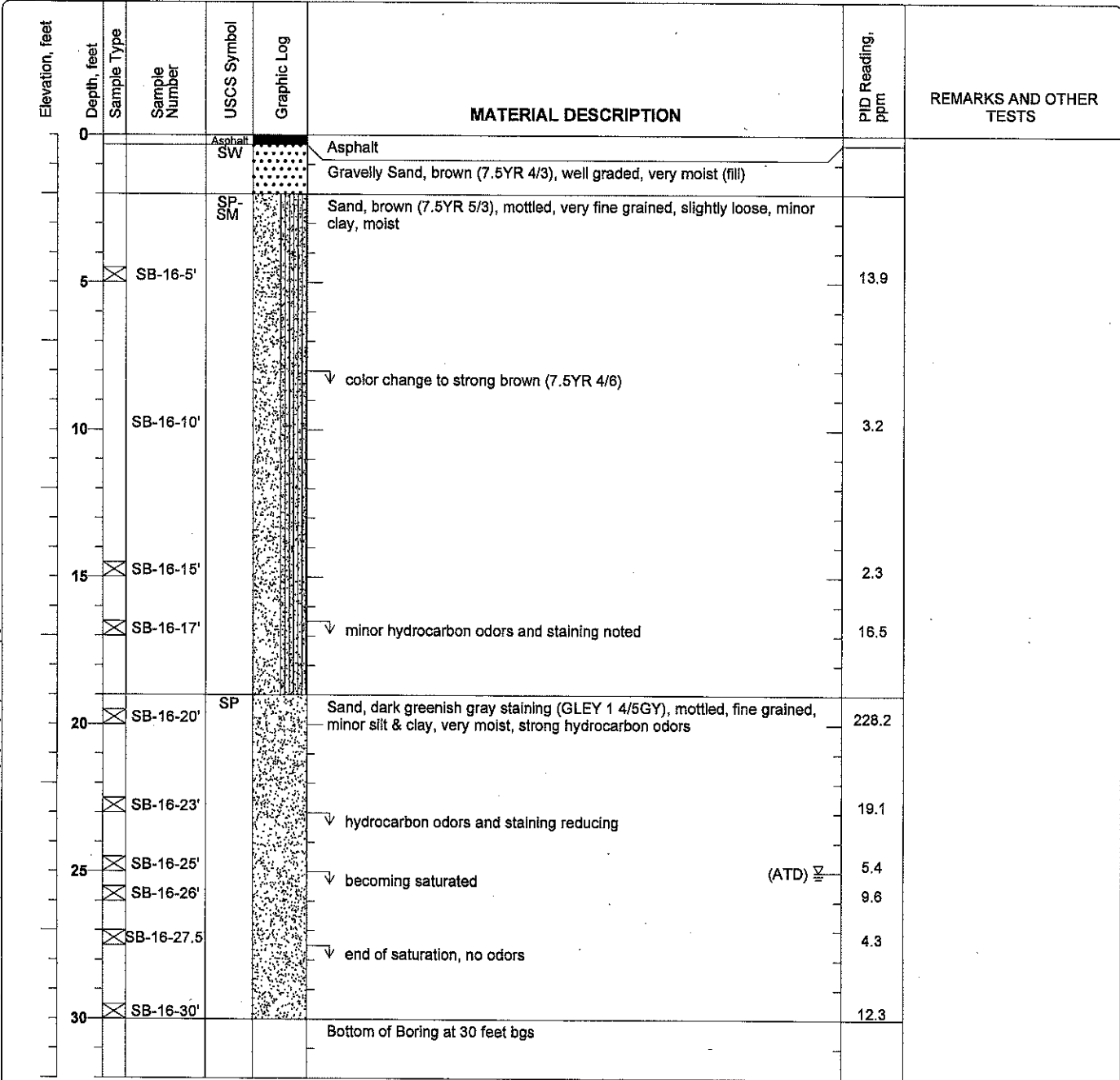
Total Depth: 18.5

Depth to Water: 13.6

Project: Victor Lum
Project Location: 245 8th Street, Oakland, CA
Project Number: 116907

Log of Boring SB-16
Sheet 1 of 1

Date(s) Drilled	May 17, 2010	Logged By	Adrian Angel	Checked By	Peter McIntyre
Drilling Method	Direct Push	Drill Bit Size/Type	2.8 inch	Total Depth of Borehole	30 feet bgs
Drill Rig Type	Limited-access Track Rig 54LT	Drilling Contractor	PeneCore	Approximate Surface Elevation	
Groundwater Level and Date Measured	25 feet ATD	Sampling Method(s)	Tube	Well Permit	ACPWA Permit # W2010-0123
Borehole Backfill	Tremie; neat cement grout	Location			

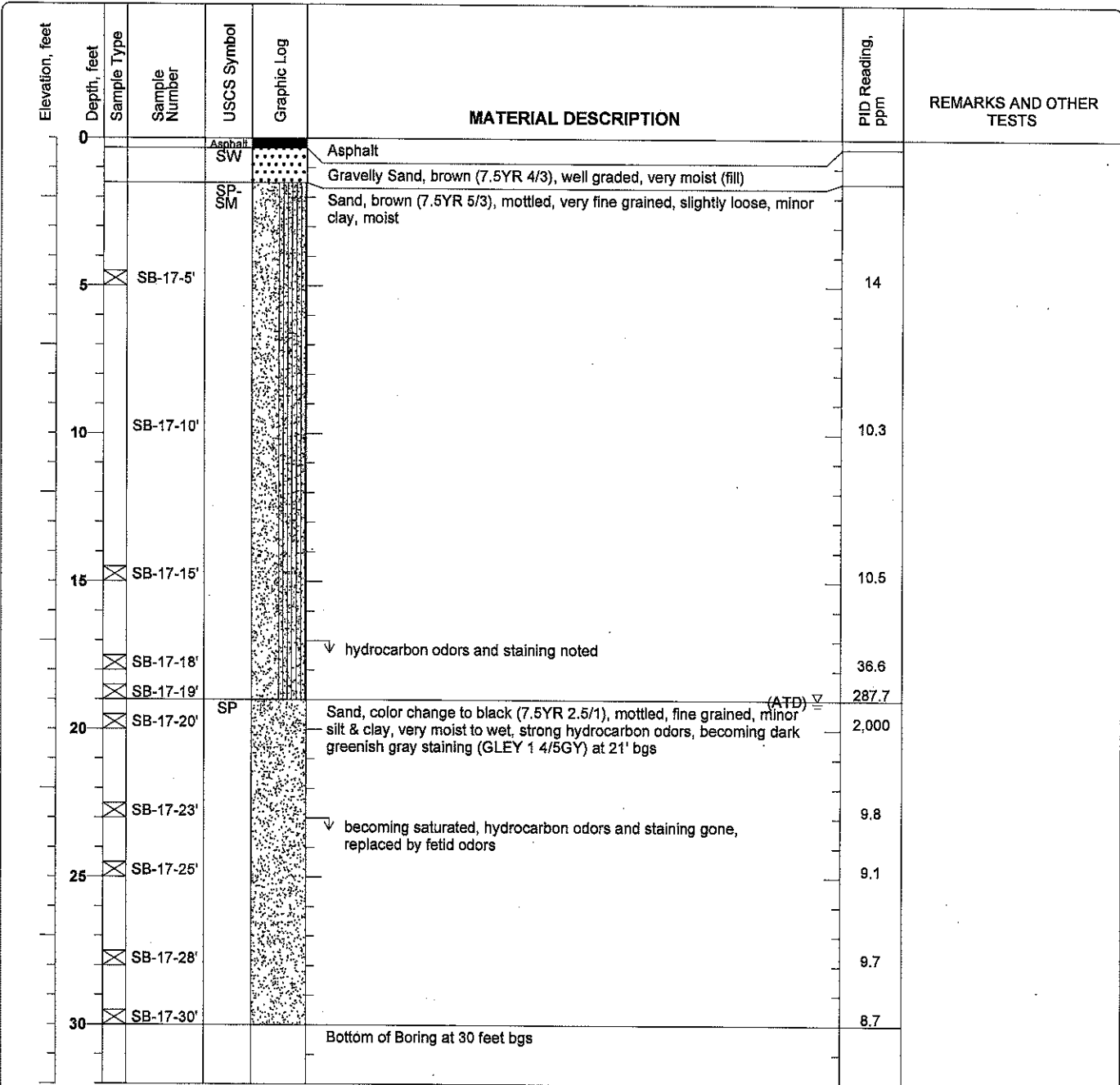


Figure

Project: Victor Lum
 Project Location: 245 8th Street, Oakland, CA
 Project Number: 116907

Log of Boring SB-17
 Sheet 1 of 1

Date(s) Drilled	March 17, 2010	Logged By	Adrian Angel	Checked By	Peter McIntyre
Drilling Method	Direct Push	Drill Bit Size/Type	2.8 inch	Total Depth of Borehole	30 feet bgs
Drill Rig Type	Limited-access Track Rig 54LT	Drilling Contractor	PeneCore	Approximate Surface Elevation	
Groundwater Level and Date Measured	19 feet ATD	Sampling Method(s)	Tube	Well Permit	ACPWA Permit # W2010-0123
Borehole Backfill	Tremie; neat cement grout	Location			



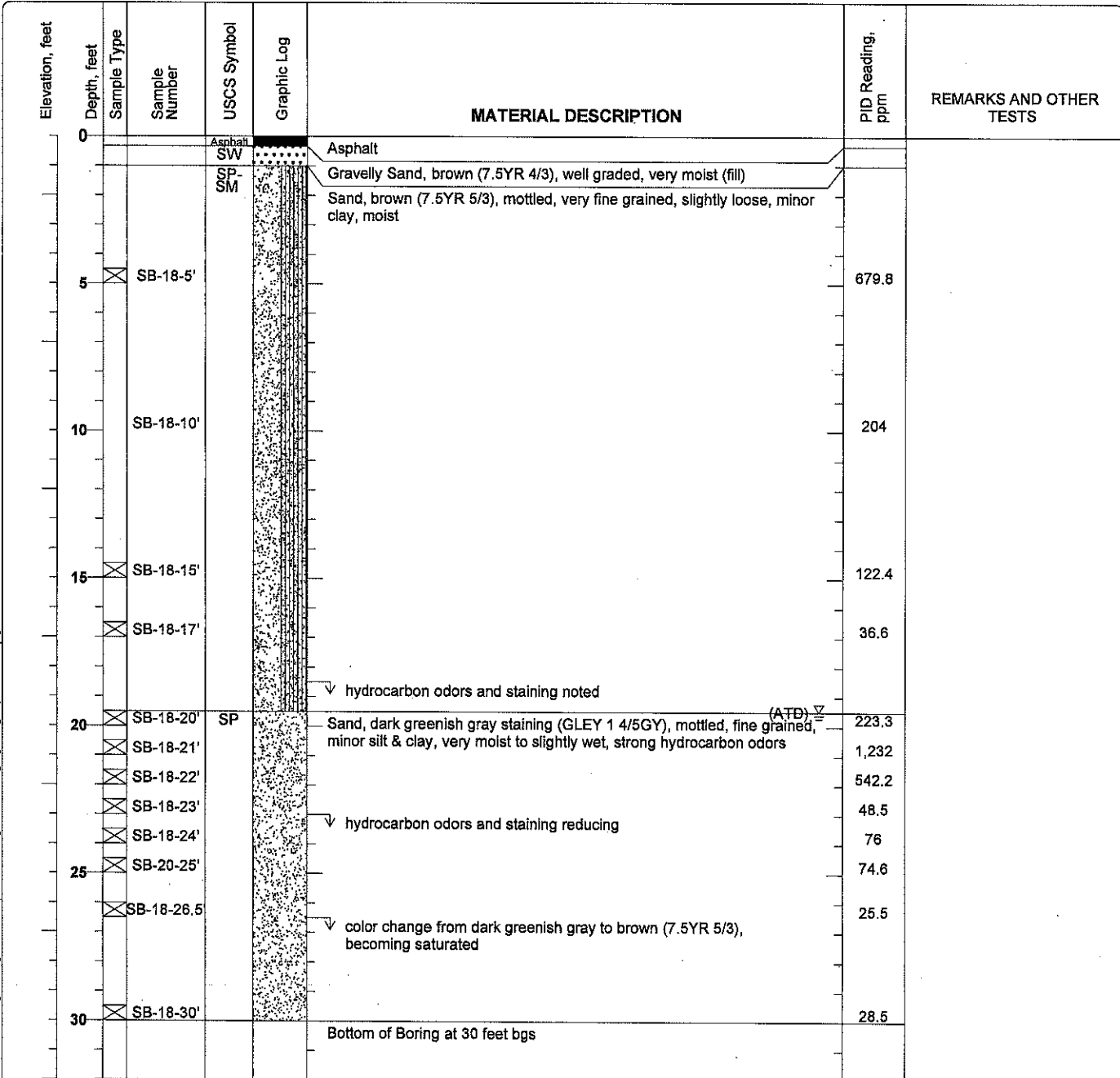
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Figure

Project: Victor Lum
Project Location: 245 8th Street, Oakland, CA
Project Number: 116907

Log of Boring SB-18
 Sheet 1 of 1

Date(s) Drilled	March 17, 2010	Logged By	Adrian Angel	Checked By	Peter McIntyre
Drilling Method	Direct Push	Drill Bit Size/Type	2.8 inch	Total Depth of Borehole	30 feet bgs
Drill Rig Type	Limited-access Track Rig 54LT	Drilling Contractor	PeneCore	Approximate Surface Elevation	
Groundwater Level and Date Measured	19.5 feet ATD	Sampling Method(s)	Tube	Well Permit	ACPWA Permit # W2010-0123
Borehole Backfill	Tremie; neat cement grout	Location			



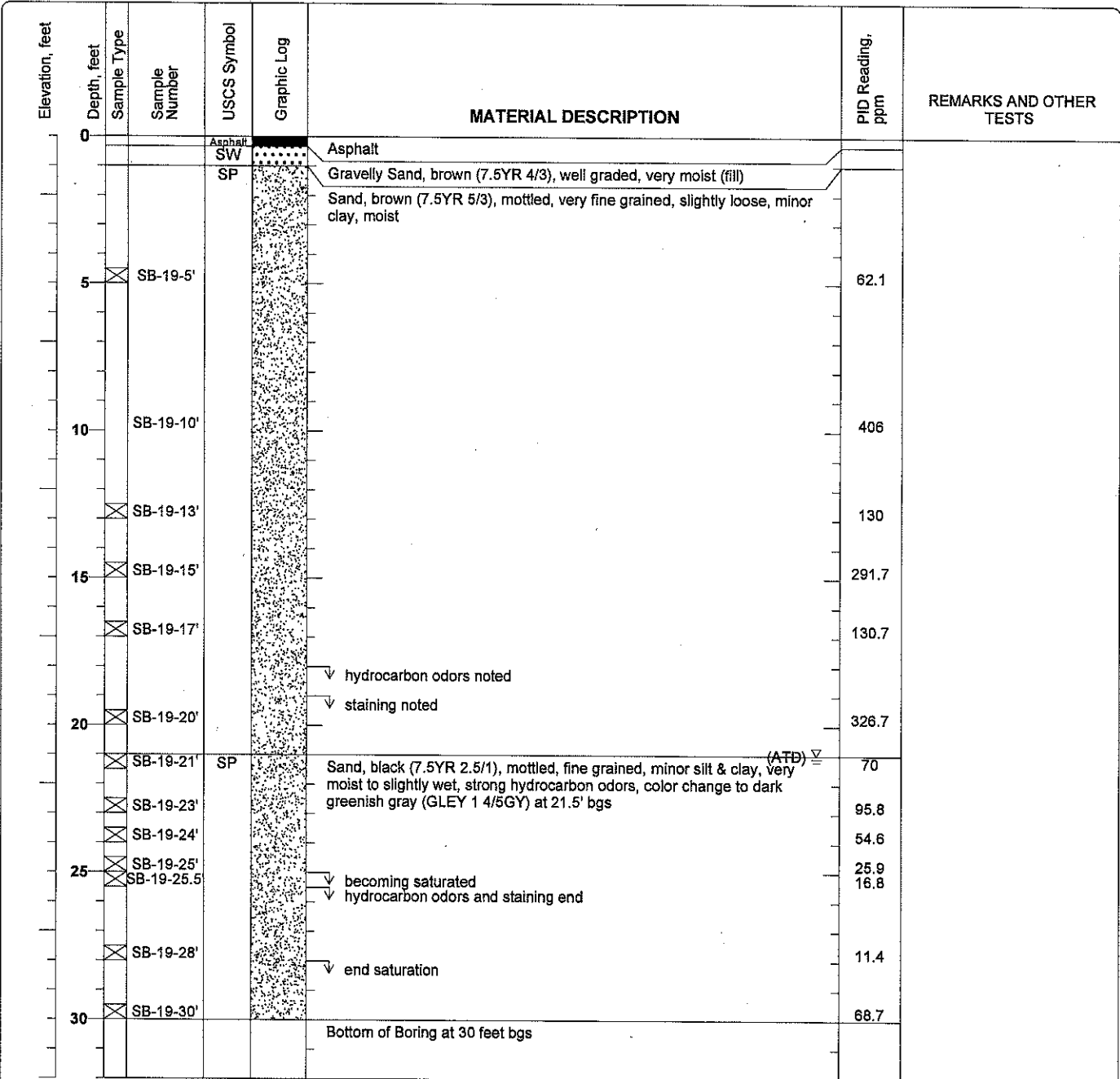
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Figure

Project: Victor Lum
 Project Location: 245 8th Street, Oakland, CA
 Project Number: 116907

Log of Boring SB-19
 Sheet 1 of 1

Date(s) Drilled	March 17, 2010	Logged By	Adrian Angel	Checked By	Peter McIntyre
Drilling Method	Direct Push	Drill Bit Size/Type	2.8 inch	Total Depth of Borehole	30 feet bgs
Drill Rig Type	Limited-access Track Rig 54LT	Drilling Contractor	PeneCore	Approximate Surface Elevation	
Groundwater Level and Date Measured	21 feet ATD	Sampling Method(s)	Tube	Well Permit	ACPWA Permit # W2010-0123
Borehole Backfill	Tremie; neat cement grout	Location			



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Figure

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Project: Vic's Automotive Project Location: 245 8th Street, Oakland, California Project Number: 116907	Log of Boring GP-1 Sheet 1 of 1
---	---

Date(s) Drilled: July 13, 2006	Logged By: Richard J. Bradford	Checked By: Peter McIntyre
Drilling Method: Direct Push Technology	Drill Bit Size/Type: 2 inch Probe Rods w/ DT21 Dual Tube Sampler	Total Depth of Borehole: 10.5 feet bgs
Drill Rig Type: GeoProbe Model 5410	Drilling Contractor: Vironex	Approximate Surface Elevation: ~33 feet MSL
Groundwater Level and Date Measured: Not Encountered ATD	Sampling Method(s): None	Hammer Data:
Borehole Backfill: Bentonite/Cement Slurry	Location: Western corner of the property E-SE of MW-6	

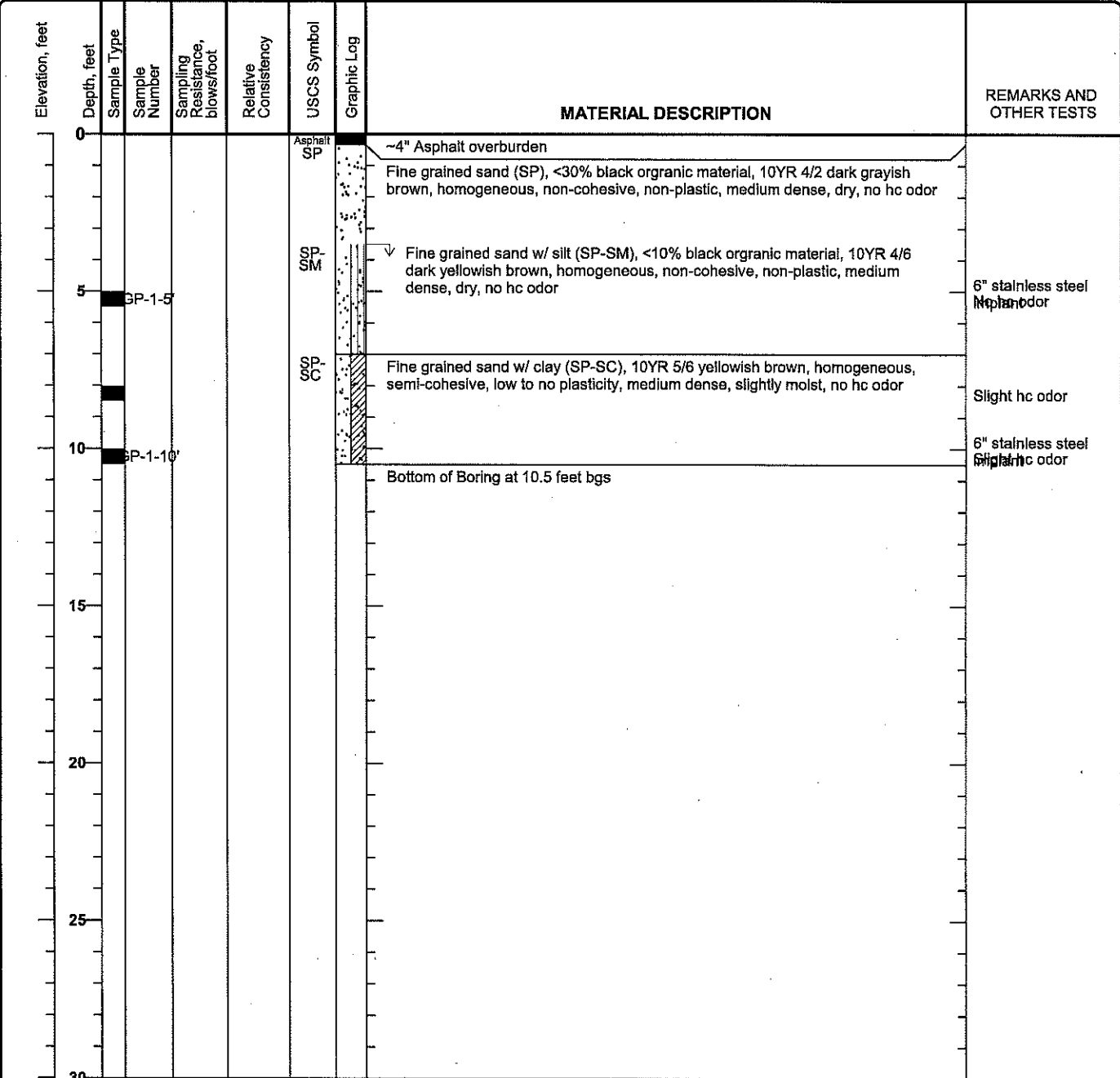


Figure GP-1

Project: Vic's Automotive Project Location: 245 8th Street, Oakland, California Project Number: 116907	Log of Boring GP-2 Sheet 1 of 1
---	---

Date(s) Drilled: July 13, 2006	Logged By: Richard J. Bradford	Checked By: Peter McIntyre
Drilling Method: Direct Push Technology	Drill Bit Size/Type: 2 inch Probe Rods w/ DT21 Dual Tube Sampler	Total Depth of Borehole: 10.5 feet bgs
Drill Rig Type: GeoProbe Model 5410	Drilling Contractor: Vironex	Approximate Surface Elevation: ~33 feet MSL
Groundwater Level and Date Measured: Not Encountered ATD	Sampling Method(s): None	Hammer Data:
Borehole Backfill: Bentonite/Cement Slurry	Location: Western corner of the property E-SE of MW-6	

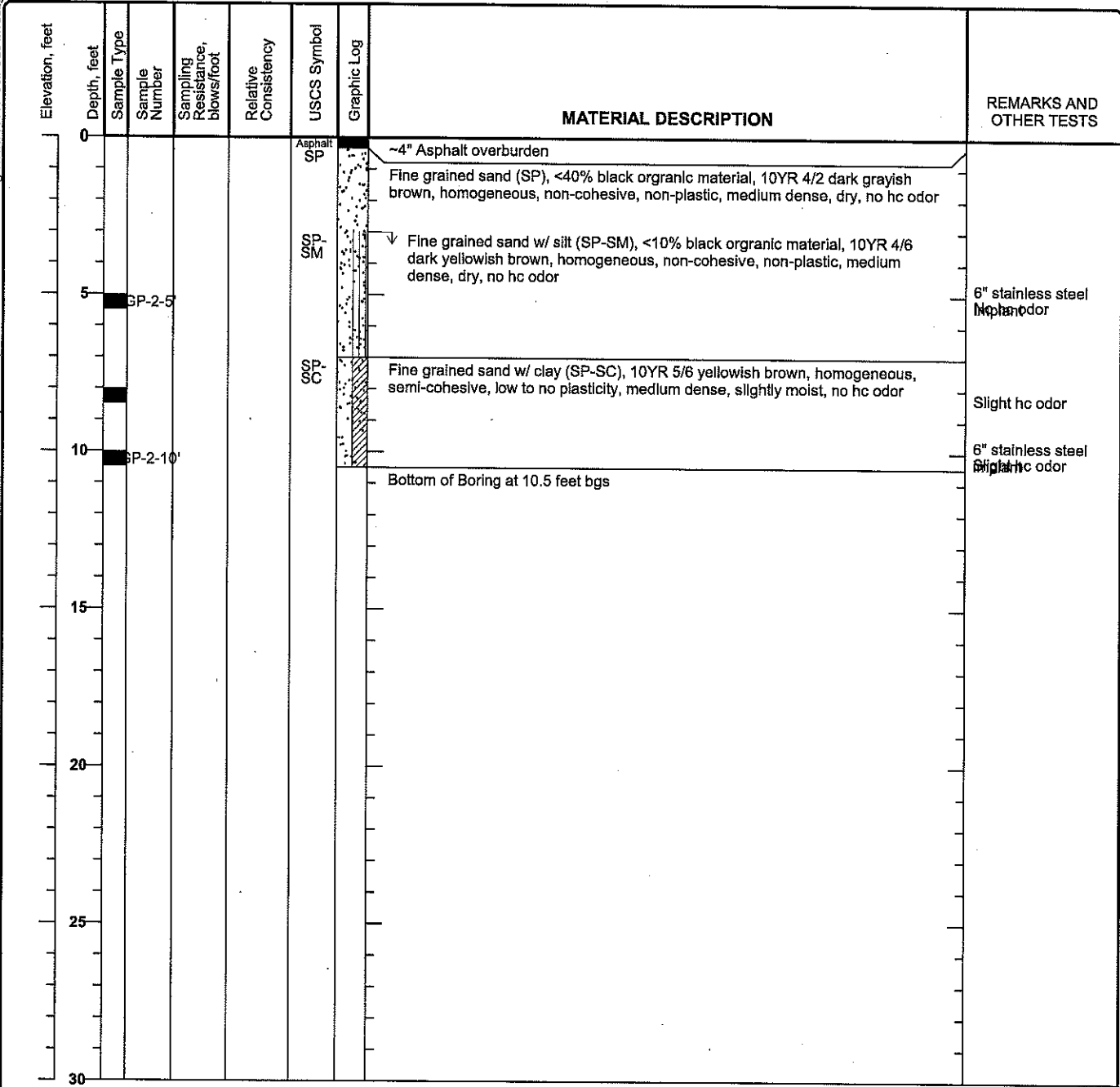


Figure GP-2

Project: Vic's Automotive
Project Location: 245 8th Street, Oakland, California
Project Number: 116907

Log of Boring GP-3
Sheet 1 of 1

Date(s) Drilled	July 13, 2006	Logged By	Richard J. Bradford	Checked By	Peter McIntyre
Drilling Method	Direct Push Technology	Drill Bit Size/Type	2 inch Probe Rods w/ DT21 Dual Tube Sampler	Total Depth of Borehole	10.5 feet bgs
Drill Rig Type	GeoProbe Model 5410	Drilling Contractor	Vironex	Approximate Surface Elevation	~33 feet MSL
Groundwater Level and Date Measured	Not Encountered ATD	Sampling Method(s)	None	Hammer Data	
Borehole Backfill	Bentonite/Cement Slurry	Location	Western corner of the property E-SE of MW-6		

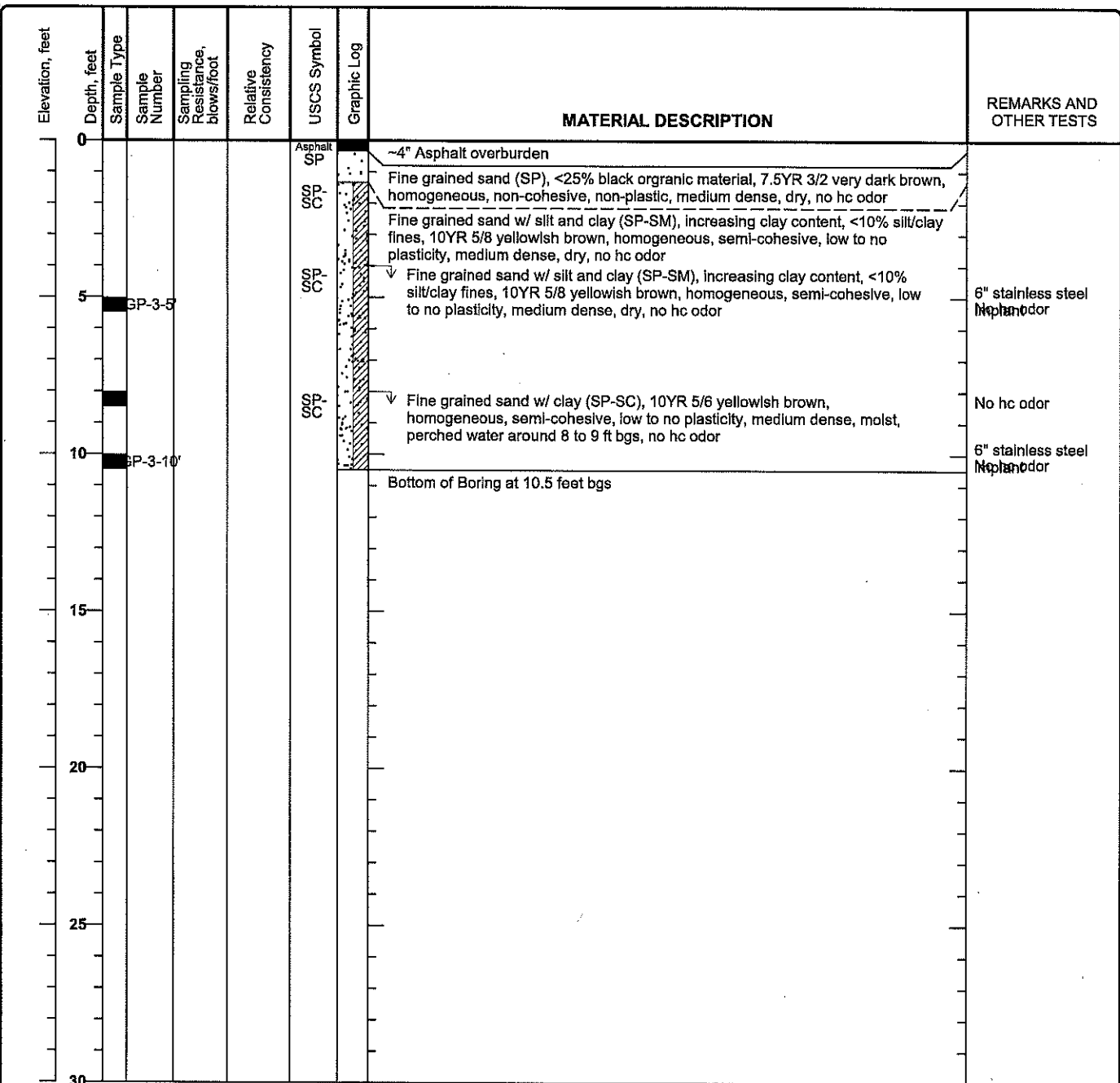


Figure GP-3

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Project: Vic's Automotive Project Location: 245 8th Street, Oakland, California Project Number: 116907	Log of Boring GP-4 Sheet 1 of 1
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Date(s) Drilled July 13, 2006	Logged By Richard J. Bradford	Checked By Peter McIntyre
Drilling Method Direct Push Technology	Drill Bit Size/Type 2 inch Probe Rods w/ DT21 Dual Tube Sampler	Total Depth of Borehole 10.5 feet bgs
Drill Rig Type GeoProbe Model 5410	Drilling Contractor Vironex	Approximate Surface Elevation ~33 feet MSL
Groundwater Level and Date Measured Not Encountered ATD	Sampling Method(s) None	Hammer Data
Borehole Backfill Bentonite/Cement Slurry	Location Western corner of the property E-SE of MW-6	

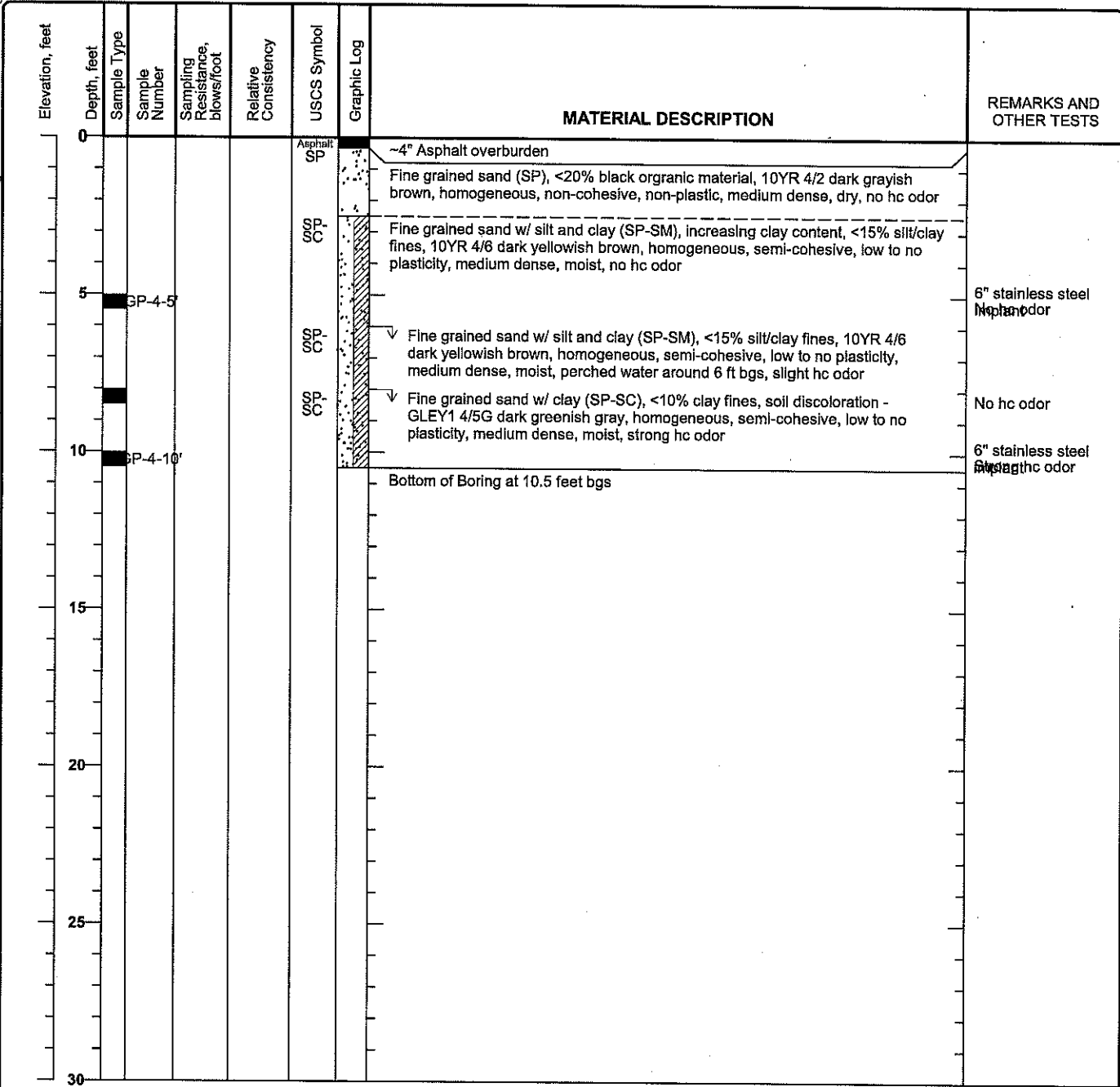

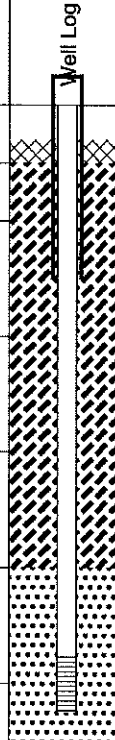


Figure GP-4

Project: Vic's Auto
Project Location: 245 8th Street, Oakland, CA
Project Number: 116907

Log of Boring GP-5
Sheet 1 of 1


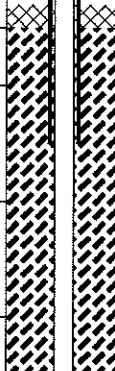

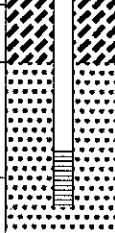

Date(s) Drilled October 16, 2012	Logged By Robert F. Flory	Checked By
Drilling Method Direct Push	Drill Bit Size/Type 2.25 inch	Total Depth of Borehole 5.5 feet bgs
Drill Rig Type Geoprobe 5400	Drilling Contractor Enviromental Control Associates	Approximate Surface Elevation
Groundwater Level and Date Measured Not Encountered ATD	Sampling Method(s) None	Well Permit W2012-0713
Borehole Backfill Well Completion	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS AND OTHER TESTS
0						Concrete		
				SM		Clayey Silty Gravel, gray, base rock, firm, moist, (FILL)		
5				SM		Bottom of Boring at 5.5 feet bgs		
10								

Project: Vic's Auto
Project Location: 245 8th Street, Oakland, CA
Project Number: 116907

Log of Boring GP-6
Sheet 1 of 1






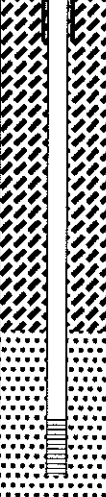


Date(s) Drilled October 16, 2012	Logged By Robert F. Flory	Checked By
Drilling Method Direct Push	Drill Bit Size/Type 2.25 inch	Total Depth of Borehole 5.5 feet bgs
Drill Rig Type Geoprobe 5400	Drilling Contractor Environmental Control Associates	Approximate Surface Elevation
Groundwater Level and Date Measured Not Encountered ATD	Sampling Method(s) None	Well Permit W2012-0713
Borehole Backfill Well Completion	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS AND OTHER TESTS
	0					Concrete		
		SM				Silty gravelly Sand, reddish brown - brown, soft, loose, moist (FILL)		
		SM				Silty Sand, yellowish brown, soft, loose, moist		
	5					Bottom of Boring at 5.5 feet bgs		
	10							

Project: Vic's Auto
Project Location: 245 8th Street, Oakland, CA
Project Number: 116907

Log of Boring GP-7
Sheet 1 of 1

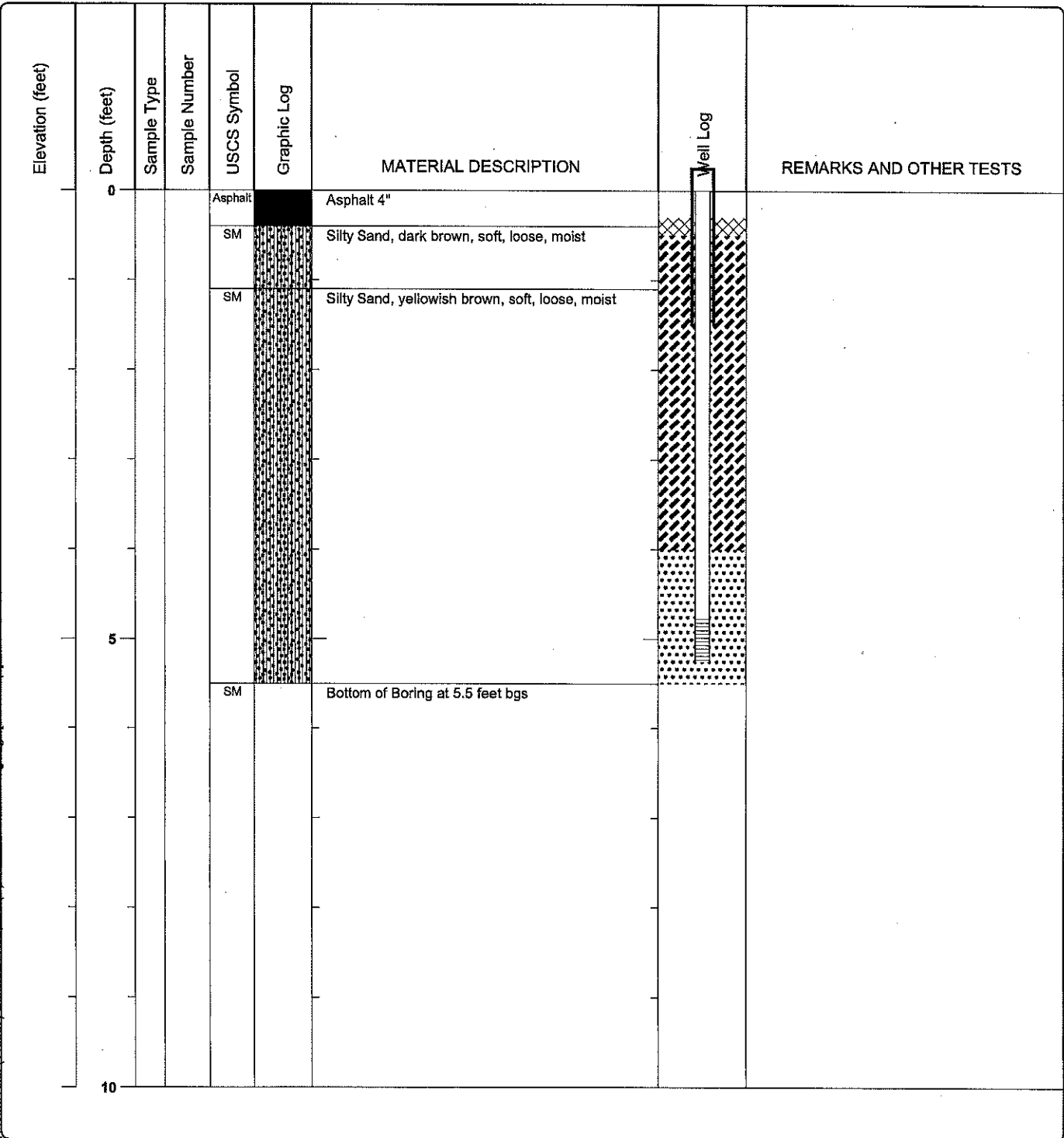
Date(s) Drilled October 16, 2012	Logged By Robert F. Flory	Checked By
Drilling Method Direct Push	Drill Bit Size/Type 2.25 inch	Total Depth of Borehole 5.5 feet bgs
Drill Rig Type Geoprobe 5400	Drilling Contractor Enviromental Control Associates	Approximate Surface Elevation
Groundwater Level and Date Measured Not Encountered ATD	Sampling Method(s) None	Well Permit W2012-0713
Borehole Backfill Well Completion	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS AND OTHER TESTS
0				Asphalt		Asphalt, 4"		
				SM		Silty Sand, dark brown, soft, loose, moist		
				SM		Silty Sand, yellowish brown, soft, loose, moist		
5				SM		Bottom of Boring at 5.5 feet bgs		
10								

Project: Vic's Auto
Project Location: 245 8th Street, Oakland, CA
Project Number: 116907

Log of Boring GP-8
Sheet 1 of 1

Date(s) Drilled October 16, 2012	Logged By Robert F. Flory	Checked By
Drilling Method Direct Push	Drill Bit Size/Type 2.25 inch	Total Depth of Borehole 5.5 feet bgs
Drill Rig Type Geoprobe 5400	Drilling Contractor Enviromental Control Associates	Approximate Surface Elevation
Groundwater Level and Date Measured Not Encountered ATD	Sampling Method(s) None	Well Permit W2012-0713
Borehole Backfill Well Completion	Location	


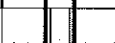



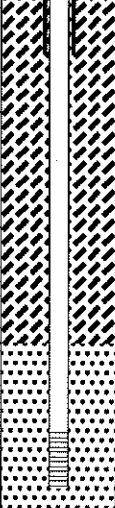




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Project: Vic's Auto
Project Location: 245 8th Street, Oakland, CA
Project Number: 116907

Log of Boring GP-9
Sheet 1 of 1

Date(s) Drilled October 16, 2012	Logged By Robert F. Flory	Checked By
Drilling Method Direct Push	Drill Bit Size/Type 2.25 inch	Total Depth of Borehole 5.5 feet bgs
Drill Rig Type Geoprobe 5400	Drilling Contractor Environmental Control Associates	Approximate Surface Elevation
Groundwater Level and Date Measured Not Encountered ATD	Sampling Method(s) None	Well Permit W2012-0713
Borehole Backfill Well Completion	Location	

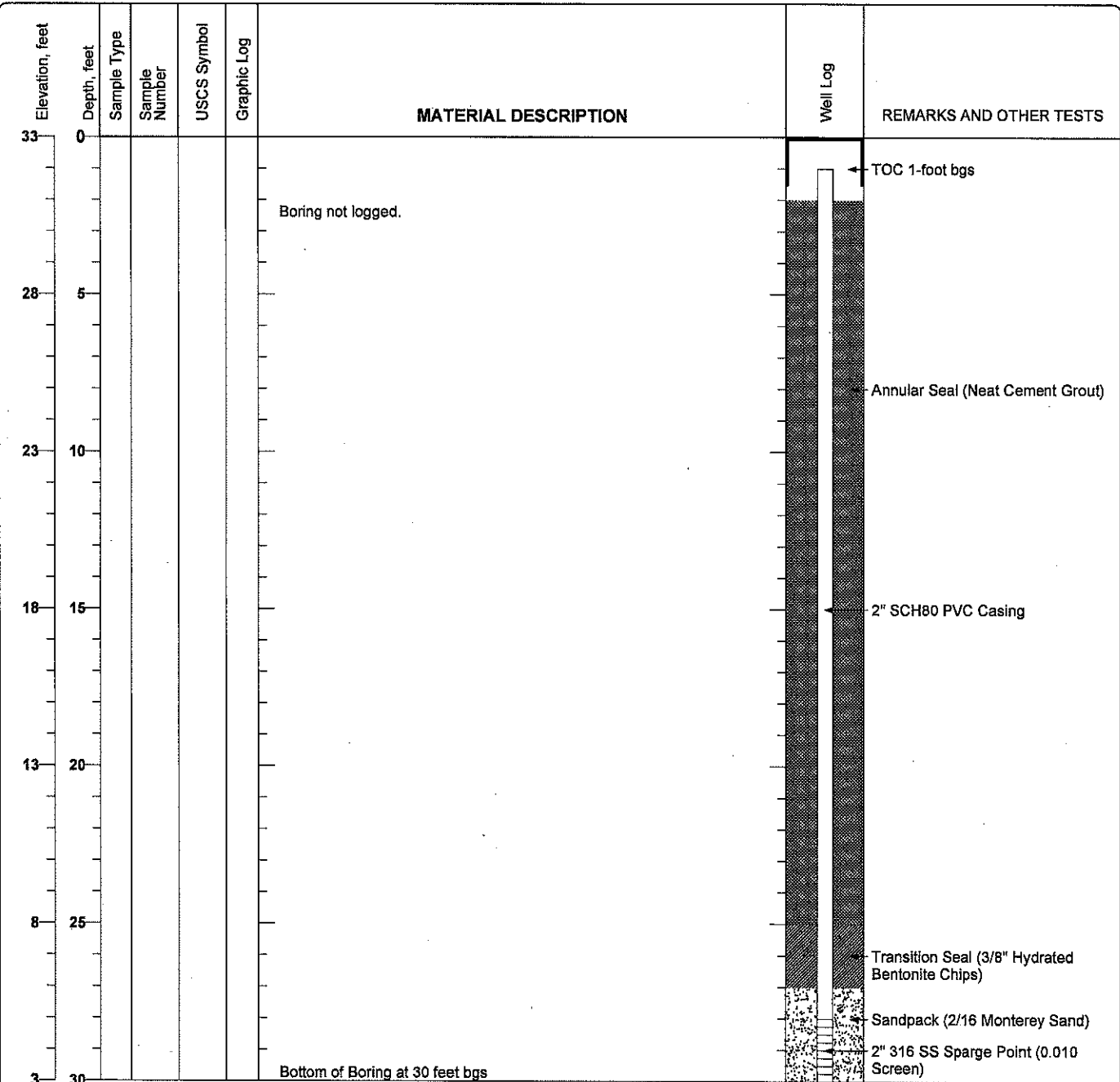
Elevation (feet)	Depth (feet)	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS AND OTHER TESTS
0				Asphalt		Asphalt 4"		
				SM		Silty Sand, dark brown, soft, loose, moist		
				SM		Silty Sand, yellowish brown, soft, loose, moist		
5				SM		Bottom of Boring at 5.5 feet bgs		
10								

Project: Vic's Auto
 Project Location: 245 8th Street, Oakland, CA
 Project Number: 116907

Log of Boring AS-1
 Sheet 1 of 1

Date(s) Drilled	June 30, 2010	Logged By	Adrian Angel	Checked By	Ricky Bradford
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8 1/4 inch	Total Depth of Borehole	30 feet bgs
Drill Rig Type	GeoProbe 6610DT	Drilling Contractor	PeneCore (C57 #906899)	Approximate Surface Elevation	33 feet
Groundwater Level and Date Measured	Not Measured	Sampling Method(s)	None	Well Permit No.	ACPWA #W2010-0448
Borehole Backfill	Well Completion	Location	Approximately 10-feet northeast of MW-1		

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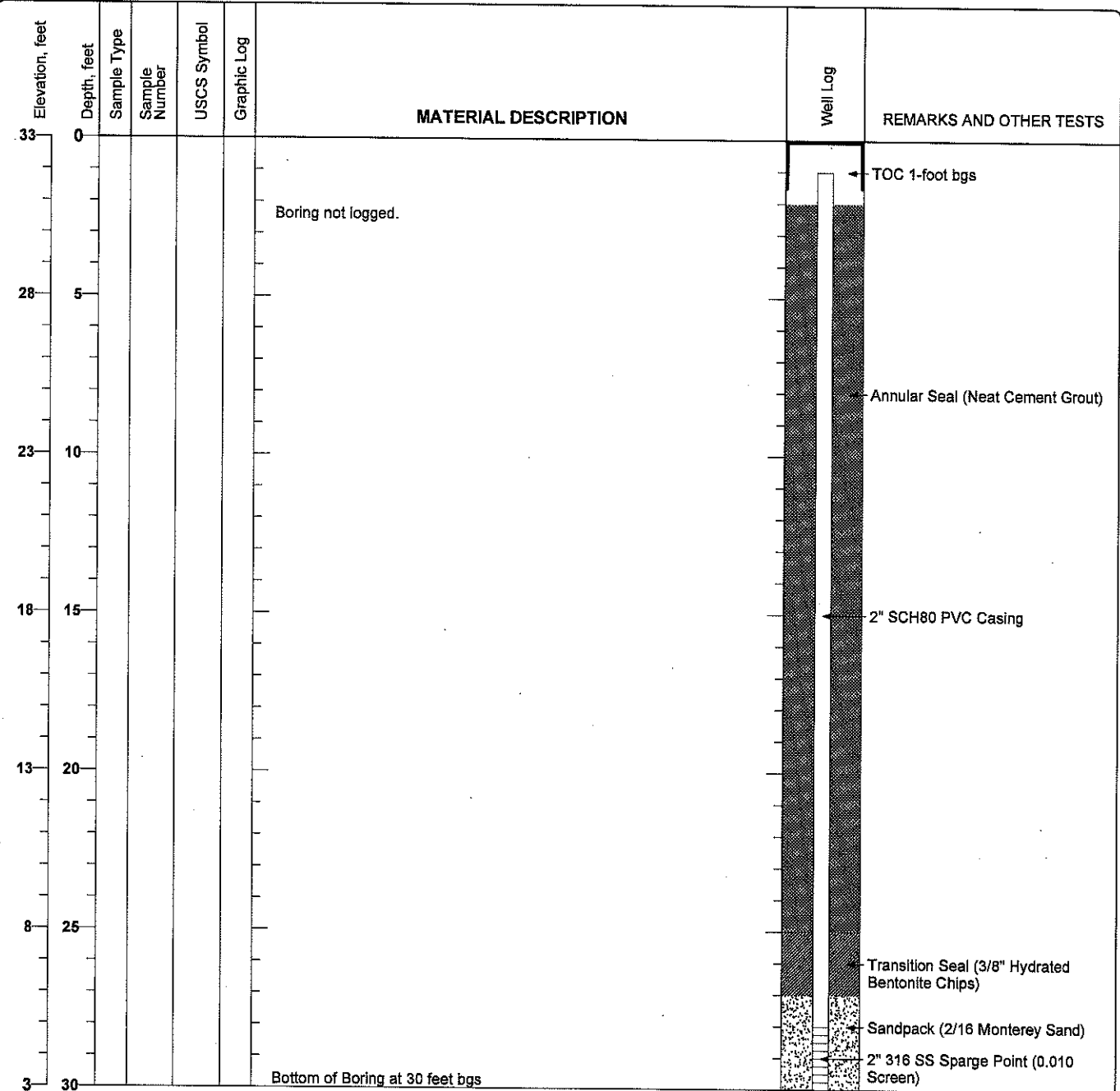
Figure

Project: Vic's Auto
Project Location: 245 8th Street, Oakland, CA
Project Number: 116907

Log of Boring AS-2
 Sheet 1 of 1

Date(s) Drilled June 30, 2010	Logged By Adrian Angel	Checked By Ricky Bradford
Drilling Method Hollow Stem Auger	Drill Bit Size/Type 8 1/4 inch	Total Depth of Borehole 30 feet bgs
Drill Rig Type GeoProbe 6610DT	Drilling Contractor PeneCore (C57 #906899)	Approximate Surface Elevation 33 feet
Groundwater Level and Date Measured Not Measured	Sampling Method(s) None	Well Permit No. ACPWA #W2010-0448
Borehole Backfill Well Completion	Location Approximately 10-feet northeast of MW-1	

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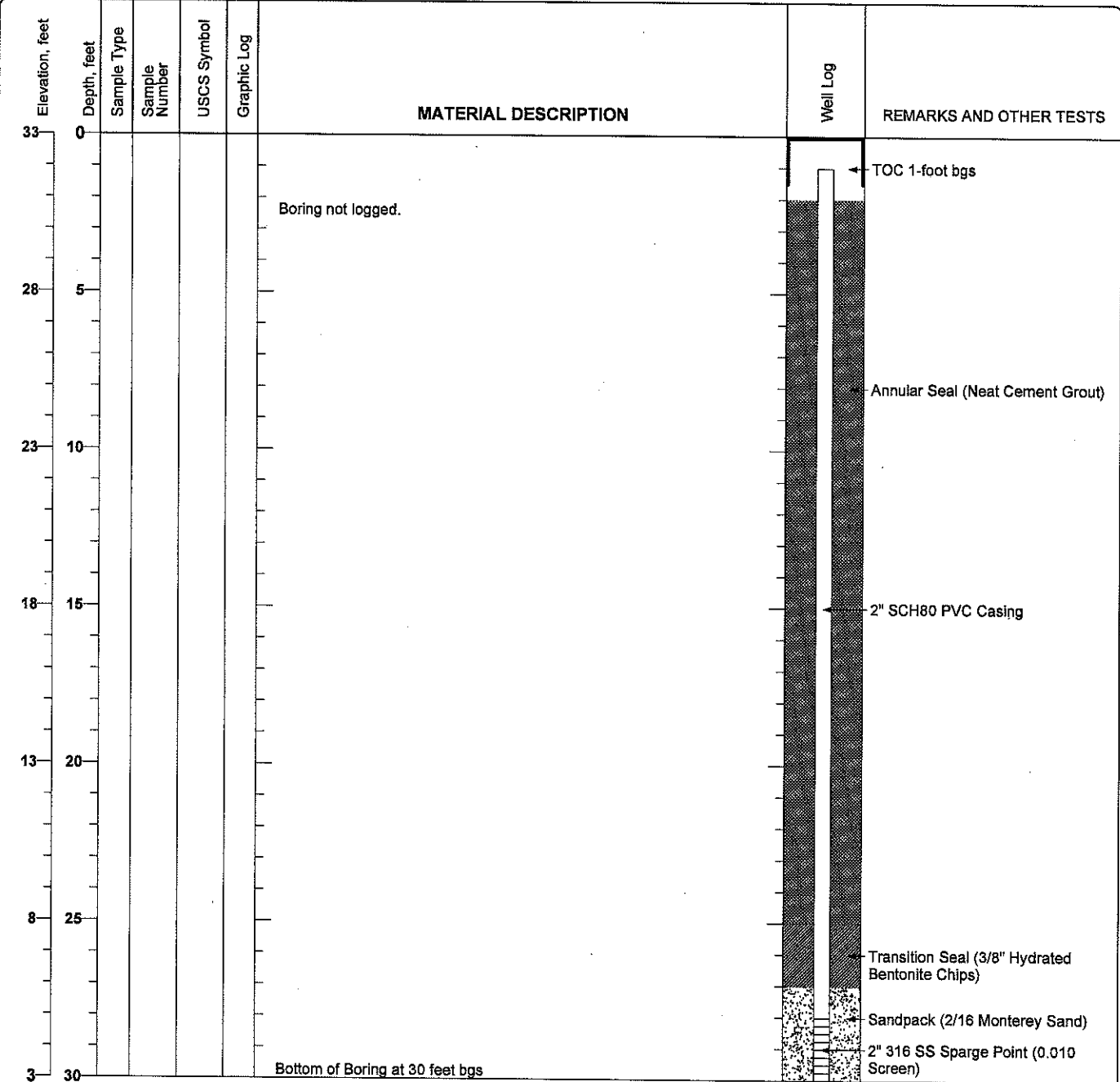
Figure

Project: Vic's Auto
Project Location: 245 8th Street, Oakland, CA
Project Number: 116907

Log of Boring AS-3
 Sheet 1 of 1

Date(s) Drilled June 30, 2010	Logged By Adrian Angel	Checked By Ricky Bradford
Drilling Method Hollow Stem Auger	Drill Bit Size/Type 8 1/4 inch	Total Depth of Borehole 30 feet bgs
Drill Rig Type GeoProbe 6610DT	Drilling Contractor PeneCore (C57 #906899)	Approximate Surface Elevation 33 feet
Groundwater Level and Date Measured Not Measured	Sampling Method(s) None	Well Permit No. ACPWA #W2010-0448
Borehole Backfill Well Completion	Location Approximately 10-feet northeast of MW-1	

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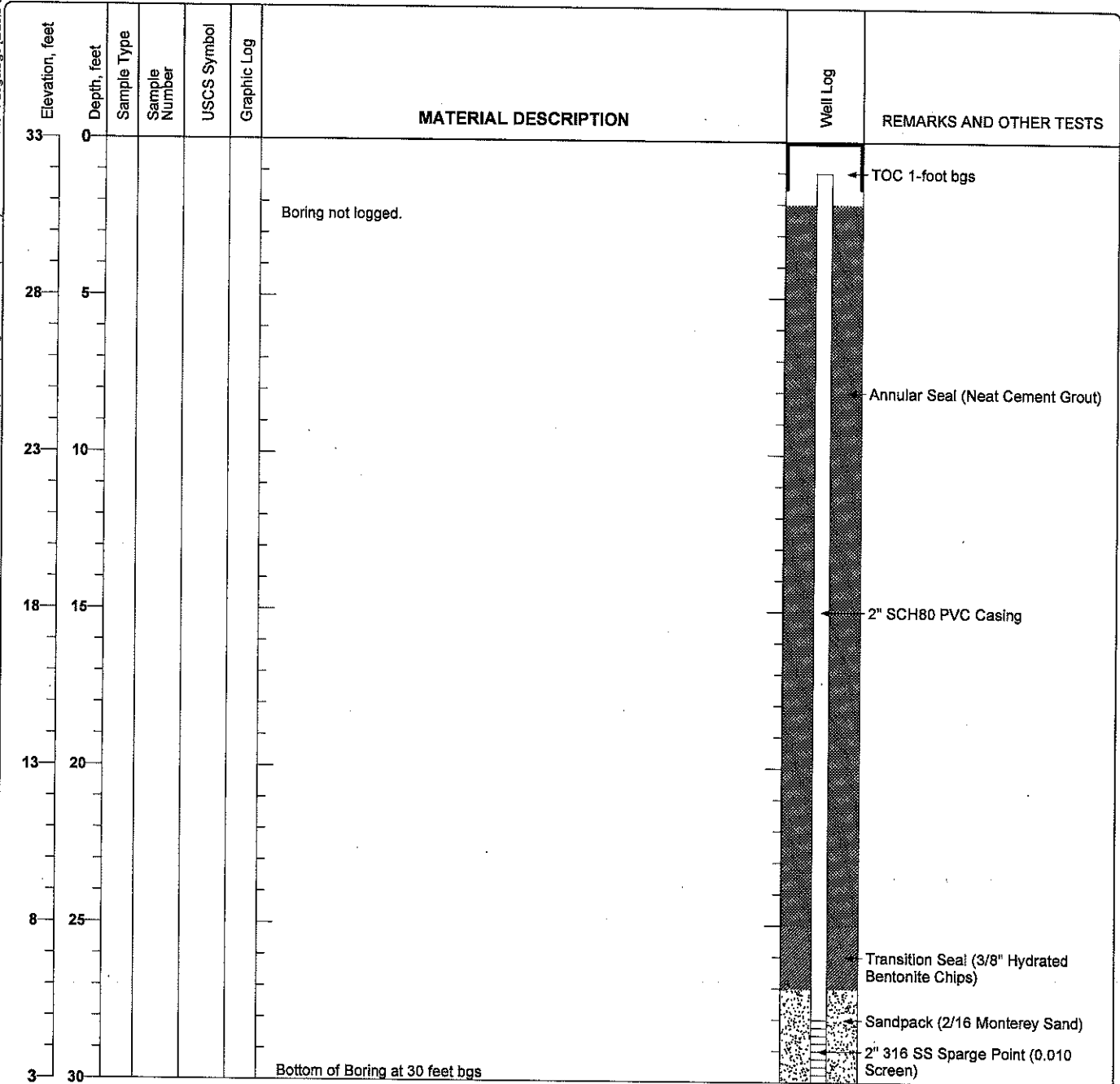
Figure

Project: Vic's Auto
Project Location: 245 8th Street, Oakland, CA
Project Number: 116907

Log of Boring AS-4
Sheet 1 of 1

Date(s) Drilled: June 30, 2010	Logged By: Adrian Angel	Checked By: Ricky Bradford
Drilling Method: Hollow Stem Auger	Drill Bit Size/Type: 8 1/4 inch	Total Depth of Borehole: 30 feet bgs
Drill Rig Type: GeoProbe 6610DT	Drilling Contractor: PeneCore (C57 #906899)	Approximate Surface Elevation: 33 feet
Groundwater Level and Date Measured: Not Measured	Sampling Method(s): None	Well Permit No.: ACPWA #W2010-0448
Borehole Backfill: Well Completion	Location: Approximately 10-feet northeast of MW-1	

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Figure