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

August 8, 2013

Mr. Brian Waite
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
(Sent via electronic mail to: BWaite@chevron.com)

Tula Gallenas & Anna Counelis
c/o ITM Services, Inc.
PO Box 672346
Houston, TX 77267

Subject: Closure Transmittal; Fuel Leak Case No. RO0000416 and Geotracker Global ID T0600100137, Chevron #9-4930 / Valley Car Wash, 3369 Castro Valley Boulevard, Castro Valley, CA 94546

Dear Messrs. Waite and Gallenas, and Ms. Counelis:

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.

SITE INVESTIGATION AND CLEANUP SUMMARY

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

- Chlorinated solvents up to 990 µg/l PCE and 59 µg/l TCE, and 22 µg/l Freon-12 remain in groundwater beneath the site. The Freon-12 appears to originate from the site as it was only detected downgradient of the former waste oil UST. The other chlorinated solvent contamination appears to be from offsite source Marshall Steel Cleaners (20457 Redwood Road; Envirostor No. 60000250). These contaminants are not considered to be a part of this closure.
- Residual pollution up to 720 mg/kg TPHg, 2.3 mg/kg benzene, and 9 mg/kg ethylbenzene at a depth of 4.5 feet in northern sidewall below the sidewalk adjacent to the northern property line and remains in place. The concentration of benzene exceeds the residential direct contact values for shallow soil in Table 1 of the LTCP.
- Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

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

Sincerely,

Donna L. Drogos, P.E.
Division Chief

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

cc: James Kiernan, 10969 Trade Center Drive, Suite 106, Rancho Cordova, CA 95670
(sent via electronic mail to jkiernan@craworld.com)

Ms. Cherie McCaulou (w/enc.), SF- Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, CA 94612, (sent via electronic mail to CMacaulou@waterboards.ca.gov)

Donna Drogos, (sent via electronic mail to donna.drogos@acgov.org)
Dilan Roe (Sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman (sent via electronic mail to mark.detterman@acgov.org)
Electronic File, GeoTracker

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency 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

August 8, 2013

Mr. Brian Waite
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
(Sent via electronic mail to: BWaite@chevron.com)

Tula Gallenas & Anna Counelis
c/o ITM Services, Inc.
PO Box 672346
Houston, TX 77267

Subject: Case Closure for Fuel Leak Case Fuel Leak Case No. RO0000416 and Geotracker Global ID T0600100137, Chevron #9-4930 / Valley Car Wash, 3369 Castro Valley Boulevard, Castro Valley, CA 94546

Dear Messrs. Waite and Gallenas, and Ms. Counelis:

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

Alameda County Environmental Health

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

I. AGENCY INFORMATION

Date: August 3, 2013

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6876
Responsible Staff Person: Mark Detterman	Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Chevron #9-4930 / Valley Car Wash		
Site Facility Address: 3369 Castro Valley Boulevard, Castro Valley, CA 94546		
RB Case No.: 01-0148	Local Case No.: STID 664	LOP Case No.: RO0000416
URF Filing Date: 12/22/1992	Geotracker ID: T0600100137	APN: 84A-60-1-6

Responsible Parties	Addresses	Phone Numbers
Brian Waite Chevron Environmental Management Company	6101 Bollinger Canyon Road San Ramon, CA 94583	(925) 790-6441
Tula Gallenas & Anna Counelis	PO Box 672346 Houston, TX 77267	---

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
----	4 - Unknown	Unknown	Removed	1968 - 1980
----	1 – 500-gal	Waste Oil	Removed	1968 - 1980
----	1 - 10,000-gal	Unleaded gasoline	Removed	3/10/1993
----	1 - 10,000-gal	Unleaded gasoline	Removed	3/10/1993
----	1 - 10,000-gal	Unleaded gasoline	Removed	3/10/1993
----	1 – 10,000-gal	Waste Water	Removed	3/10/1993
Piping			Removed	3/10/1993

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Not Reported; no holes or leaks were reported for the product lines.		
Site characterization complete? Yes	Date Approved By Oversight Agency: -----	
Monitoring wells installed? Yes	Number: 4	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 4.03 fbgs	Lowest Depth: 8.04 fbgs	Flow Direction: Southwest
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: Two water supply wells are located within 2,000 feet of the site. One is reported to be an irrigation well located at a distance of approximately 1,725 feet upgradient of the site. It is installed to a total depth of 28 feet (Permit 77101). The well does not appear to be receptor due to distance to the well, groundwater flow direction, and the depth of the well. A second is reported to be a domestic supply well, and is located in a crossgradient position to the northwest at a distance of approximately 1,500 feet from the site. The well does not appear to be receptor due to distance to the well and groundwater flow direction.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: Unnamed tributary of San Lorenzo Creek located approximately 1,500 ft. east of site.
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	4 – Unknown Volume	Disposal – Unknown	1968 – 1980
	1 – 500-gal; 4 - 10,000-gal	Disposal - Erickson, Inc; 255 Parr Blvd., Richmond, CA	3/10/1993
Piping	Not Reported	Disposal - Erickson, Inc; 255 Parr Blvd, Richmond, CA	3/10/1993
Free Product	None Reported	----	----
Soil	7,500 yd^3	Disposal - Redwood Landfill; Novato, CA.	3/10/1993
Groundwater	None Reported	----	----

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

Contaminant	Soil (mg/kg)		Water (µg/l)	
	Before	After	Before	After
TPH (Gas)	5,100	990	23,000	300
TPH (Diesel)	< 50	<10	Not Analyzed	Not Analyzed
TPH (Motor Oil)	----	----	----	----
Oil and Grease	57	57	Not Analyzed	Not Analyzed
Benzene	3.9	2.3	800	< 0.5
Toluene	17	17	120	< 0.5
Ethylbenzene	77	17	1,000	< 0.5
Xylenes	360	49	2,000	< 0.5
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	39 [1]	39 [1]	Not Analyzed	Not Analyzed
MTBE	0.0007 [2]	0.0007 [2]	100 [3]	5 [4]
Other (8240/8270)	0.28 [5]	<0.28 [5]	22 [6]	22 [6]

1. Cd < 1 mg/kg; Cr = 22 mg/kg; Pb = 6 mg/kg: Ni = 21 mg/kg; Zn = 39 mg/kg
2. MTBE = 0.0007 mg/kg; 1,2-DCAl; DIPE, ETBE, TAME, EDB; TBA and EtOH not analyzed in soil
3. MTBE = 100 µg/l; 1,2-DCA = 25 µg/l; DIPE, ETBE, TAME, and EDB < 2.0 µg/l; TBA < 20 µg/l; and EtOH < 500 µg/l
4. MTBE = 5 µg/l; 1,2-DCA = 25 µg/l; DIPE, ETBE, TAME, and EDB < 2.0 µg/l; TBA < 20 µg/l; and EtOH < 500 µg/l
5. 2-Methylnaphthalene = 0.28 mg/kg; 1,2-DCE, TCE, and PCE < 0.005 mg/kg
6. Concentrations of PCE, TCE, and 1,2-DCE (990, 59, and 25 µg/l respectively) were detected in most site wells at similar concentrations. The contamination appears to be from offsite source Marshall Steel Cleaners (20457 Redwood Road; Envirostor No. 60000250). However, dichlorodifluoromethane (Freon-12) was detected at a concentration of 22 µg/l and is assumed to be associated with the site as it was only detected downgradient of the former waste oil UST.

Site History and Description of Corrective Actions:

The site is currently occupied by a Chipotle Mexican Grill and its associated parking lot and landscaping. Land use of the surrounding area is primarily commercial. Historically, the property has been occupied by two generations of gasoline stations. The first generation occupied the site from 1957 to sometime between 1968 and 1980. The station was then reconfigured with a new station building/car wash facility (Valley Car Wash). Accompanying the second generation reconfiguration of the station was the removal of five USTs, two dispenser islands, and the station building. One of these USTs has been reported to have been a 500-gallon Waste Oil UST; no other information has been submitted to document the contents or size of the other four removed USTs. No reports were submitted to document the activities of the station reconfiguration. The second generation station building/car wash facility included three 10,000-gallon fiberglass gasoline USTs, two dispenser islands, and one or more waste water reclamation tanks (also reported to be one 10,000-gallon UST). In 1993, the second generation station was demolished and all associated piping, tanks, and facilities were removed. The site was a vacant lot until sometime between 1993 and 1996, when the building currently occupying the site was constructed.

The northern portion of the site has been excavated and filled with Class II aggregate base rock to a depth of approximately 15 fbgs. The southern portion of the site contains gravely clay to depths of approximately 8 to 12 fbgs, underlain by clayey silts in most locations. Site topography slopes towards the south-southwest, with an approximate three feet of elevation change.

On November 23 and 24, 1992, ten soil borings (B-1 through B-10) were advanced to depths ranging between approximately 11 and 15 feet below ground surface (fbgs). Soil samples from the borings were collected at five-foot intervals. Groundwater samples were collected from borings B-1 through B-4. Six hand-augered soil borings (H-1 through H-6) were also advanced to depths ranging from one to ten fbgs. Seven soil samples were collected from the hand-augered soil borings. Soil sample B-4, located in the area of the USTs associated with the first generation gas station detected the highest hydrocarbon concentration of TPHg (2,500 mg/kg). Analysis of groundwater samples collected west of the first and second generation USTs detected up to 15,000 µg/l and 23,000 µg/l TPHg, respectively.

On March 10, 1993, the second generation station complex was removed along with four three gasoline USTs, one or more waste water reclamation tank(s) as detailed above, and additional debris. Free-phase product and product sheen was observed on groundwater encountered when the UST pit was exposed. Subsequent to the UST removal, four soil samples (SW, WN, ES, and NE) were collected from the sidewalls of the tank excavation. One water sample (H2O-Pit) was collected from the excavation pit at the static water level of ten feet. Additional soil samples were collected from the piping trench (P-1 through P-12, V-1), waste water reclamation tank(s) (WWR-1-9', WWR-2-9', WWR-3-12', WWR-4-12'), and soil stockpiles (SP-1 A-D, SP-4 A-D, SP-WWR-1 A-D, and SP-WWR-2 A-D). Subsequent to the piping and trench excavations, an over-excavation of the site was conducted in an area containing the previous gas station facilities. Sidewall and bottom soil samples (OX-1 through OX-44, and T-1) were collected from the over-excavation at depths between approximately 3 to 5 feet bgs and 7 to 14 feet bgs, respectively.

Of the soil samples collected from the excavation pit, sample NW, collected in the northwest portion of the excavation pit, detected the highest contaminant concentrations of 620 milligrams per kilogram (mg/kg) Total Petroleum Hydrocarbons as gasoline (TPHg) and 0.15 mg/kg benzene. The water sample collected from the excavation pit, H2O-Pit, detected 3,900 micrograms per liter (µg/l) TPHg, 180 µg/l benzene, and 170 µg/l ethylbenzene (and other petroleum compounds). Soil samples from the piping trench and waste water reclamation tank excavations detected up to 720 mg/kg TPHg and 2.3 mg/kg benzene at a depth of 4.5 feet bgs. Sidewall and bottom soil samples collected from the over-excavation at depths between 7 and 10 feet bgs detected petroleum hydrocarbon contamination onsite near the northwest corner, near the northeast corner, and directly south of the former first generation USTs of 760 mg/kg, 990 mg/kg, and 5,100 mg/kg TPHg, respectively.

On October 25, 1993, soil borings B-11 through B-14 were advanced, with soil samples collected at five-foot intervals. Subsequently, the borings were developed into monitoring wells MW-1 through MW-4 and sampled for groundwater. The groundwater gradient was to the southwest. Soil samples S-8.0-B12 and S-6.0-B14 detected 100 and 530 mg/kg TPHg, respectively. Sample S-8.0-B12 was collected east of the first generation USTs at 8 fbgs. Sample S-6.0-B14 was collected directly west of the second generation USTs. Groundwater samples detected up to 5,600 µg/l TPHg, 140 µg/l benzene, and 32 ethylbenzene.

On February 25, 1994 chlorinated solvents was added to the analytical suite at the site and groundwater samples contained up to 400 µg/l tetrachloroethene (PCE), 51 µg/l trichloroethene (TCE), and 13 µg/l 1,2-DCE. Over time, intermittent sampling for chlorinated solvents detected concentrations up to 990 µg/l PCE and 59 µg/l TCE, and 22 µg/l Dichlorodifluoromethane [Freon-12] were detected at the site during groundwater monitoring at the site. The Freon-12 is assumed to be associated with the site as it was only detected downgradient of the former waste oil UST. Otherwise the contamination appears to be from offsite source Marshall Steel Cleaners (20457 Redwood Road; Envirostor No. 60000250). With the exception of the Freon-12, these contaminants are not considered to be a part of this closure.

On January 25, 1996, four Geoprobes probes (GP-1 through GP-4) were advanced offsite to the northeast, west, and southwest of the property to define the groundwater plume. Except for GP-1, the bores were installed downgradient of the site on the west side of Wilbeam Avenue. GP-1 was installed upgradient of the site, across Castro Valley Boulevard from the site to investigate potential upgradient sources of groundwater contamination. Soil samples were collected from GP-3 and GP-4 at five-foot intervals and groundwater samples were collected from GP-1 and GP-2. Soil samples detected no detectable concentrations of petroleum hydrocarbons. The groundwater sample collected from GP-2 detected the highest petroleum hydrocarbon concentration of 1,600 µg/l TPHg and 9.6 µg/l benzene. GP-2 was installed in Wilbeam Avenue west of the second generation USTs. Insufficient groundwater was encountered in bores GP-3 and GP-4 to collect a groundwater sample.

In September 2006, monitoring wells MW-1 through MW-4 were decommissioned.

On September 10, 2007, borings CPT-1 and CPT-2 were advanced offsite and downgradient (southwest) of the former second generation USTs to a depth of 35 fbgs. Depth-discrete groundwater samples were collected from CPT-1 at 15 and 32 fbgs and from CPT-2 at 15, 21, and 34 fbgs. TPHg and MTBE were the only constituents detected in groundwater samples at concentrations up to 140 µg/l and 17 µg/l, respectively.

On October 19, 2010, three soil vapor wells (VP-1 through VP-3) were installed to the east, south, and southwest of the current site building. Soil samples were collected from boring VP-1 at 10, 12.5, and 15 fbgs and from borings VP-2 and VP-3 at 5.5 fbgs. On October 27, 2010 the vapor wells were sampled for soil vapor. Results of the analysis indicated that VP-2 had the highest TPHg concentration in soil vapor of 20,000 micrograms per cubic meter (µg/m^3). Additionally, the vapor sample from VP-1 contained the only detectable benzene concentration at 4.8 µg/m^3; toluene, ethylbenzene, total xylenes, and MTBE were not detected at standard limits of detection. Both TPHg and benzene concentrations were below their respective commercial Environmental Screening Levels (ESLs).

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: Yes	Number Decommissioned: 4	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

- Intermittent groundwater sampling for chlorinated solvents detected concentrations up to 990 µg/l PCE and 59 µg/l TCE, and 22 µg/l Freon-12 beneath the site. The Freon-12 is assumed to be associated with the site as it was only detected downgradient of the former waste oil UST. Otherwise the contamination appears to be from offsite source Marshall Steel Cleaners (20457 Redwood Road; Envirostor No. 60000250). With the exception of the Freon-12, these contaminants are not considered to be a part of this closure.
- Soil sample P-10-4.5 containing 720 mg/kg TPHg, 2.3 mg/kg benzene, and 9 mg/kg ethylbenzene at a depth of 4.5 feet in northern sidewall below the sidewalk adjacent to the northern property line and remains in place. The concentration of benzene exceeds the residential direct contact values for shallow soil in Table 1 of the LTCP, but not the commercial direct contact values.

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

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

The site appears to meet scenario 4 of the groundwater media-specific criteria for closure under the LTCP based on the following:

1. The contaminant plume is less than 1,000 feet in length.
2. There is no free product.
3. No water supply wells or surface water bodies are within 1,000 feet of the plume boundary.
4. The dissolved concentrations of benzene and MTBE are <1,000 µg/l.

The site does not meet scenarios 1,2,3, or 4 of the numerical media-specific criteria in the LTCP for petroleum vapor intrusion to indoor air for the following reason. The northern sidewall soil sample below the sidewalk P-10-4.5 contained 720 mg/kg TPHg, 2.3 mg/kg benzene, and 9 mg/kg ethylbenzene at a depth of 4.5 feet. However, ACEH believes case closure is appropriate based on an analysis of site-specific conditions:

1. Based on existing soil vapor sampling, the concentration of oxygen is greater than 4% at a depth of 5 fbgs. Therefore, the site can be considered to have a bioattenuation zone under the LTCP.
2. As noted above, with one site perimeter exception, 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 4.8 micrograms per cubic meter ($\mu g/m^3$) which is less than the residential and commercial LTCP soil gas criteria of 85,000 and 280,000 $\mu g/m^3$ (with a bioattenuation zone).
4. The maximum concentration of ethylbenzene in soil vapor was less than 58 micrograms per cubic meter ($\mu g/m^3$), which is less than the residential and commercial LTCP soil gas criteria of 1,100,000 and 3,600,000 $\mu g/m^3$ (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 in all wells during the most recent groundwater monitoring event was non-detectable at less than 0.5 ppb.

The site appears to meet the media-specific criteria for direct contact and outdoor air exposure under the LTCP for commercial sites. 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 for commercial sites. 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.

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: Mark Detterman, P.G., C.E.G.	Title: Senior Hazardous Materials Specialist
Signature:	Date: 8/3/2013
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature:	Date: 08/07/13

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: April 22, 2013	

VIII. MONITORING WELL DECOMMISSIONING

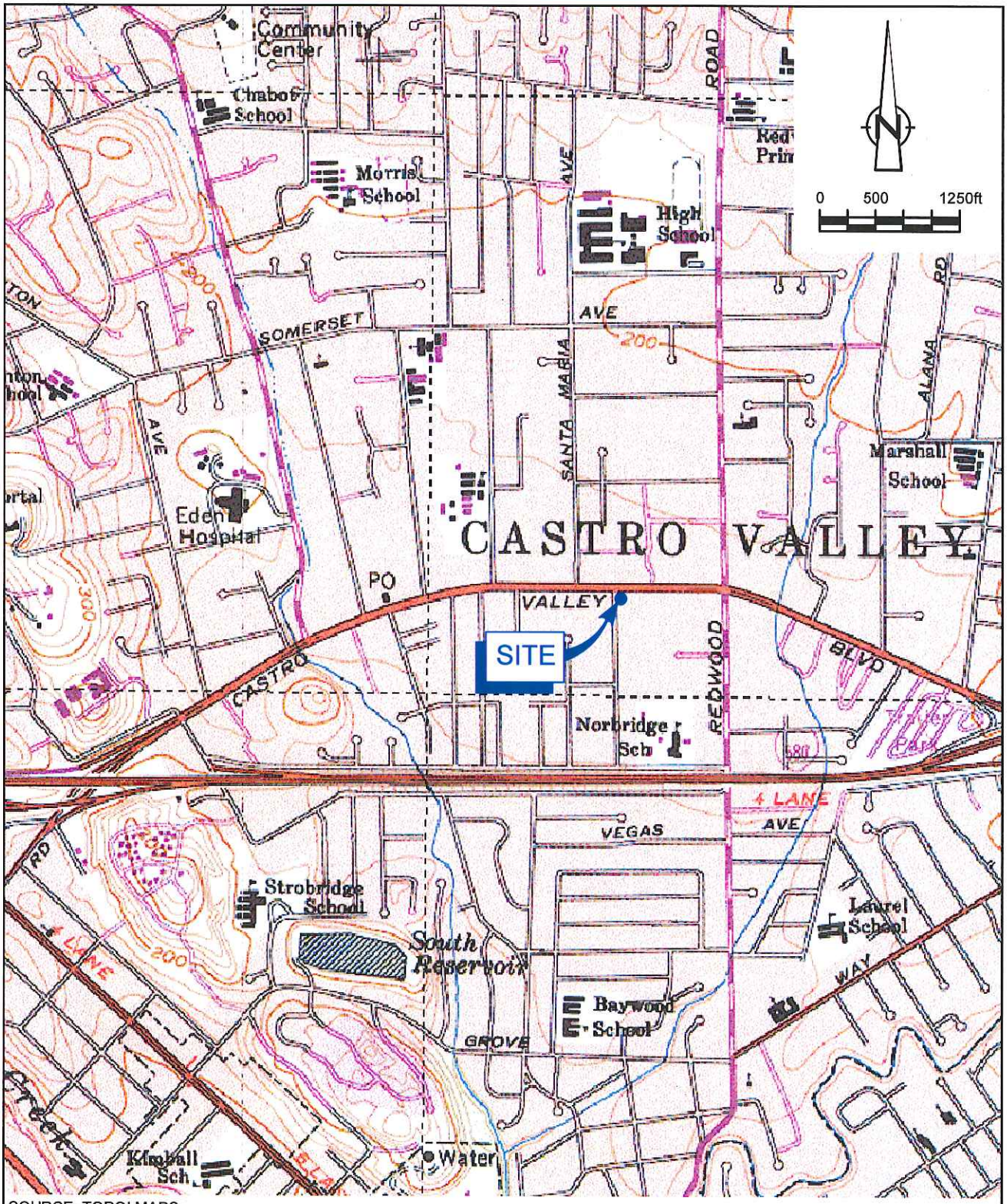
Date Requested by ACEH: ----	Date of Well Decommissioning Report: October 23, 2006	
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: 4	Number Retained: 0
Reason Wells Retained: Not Applicable		
Additional requirements for submittal of groundwater data from retained wells: Not Applicable		
ACEH Concurrence - Signature:		Date: 8/3/2013

Attachments:

1. Site Vicinity Map (2 pp)
2. Site Plans (8 pp)
3. Soil Analytical Data (15 pp)
4. Groundwater Analytical Data (17 pp)
5. Soil Vapor Data (1 pp)
6. Boring Logs (36 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.

ATTACHMENT 1



SOURCE: TOPO! MAPS.

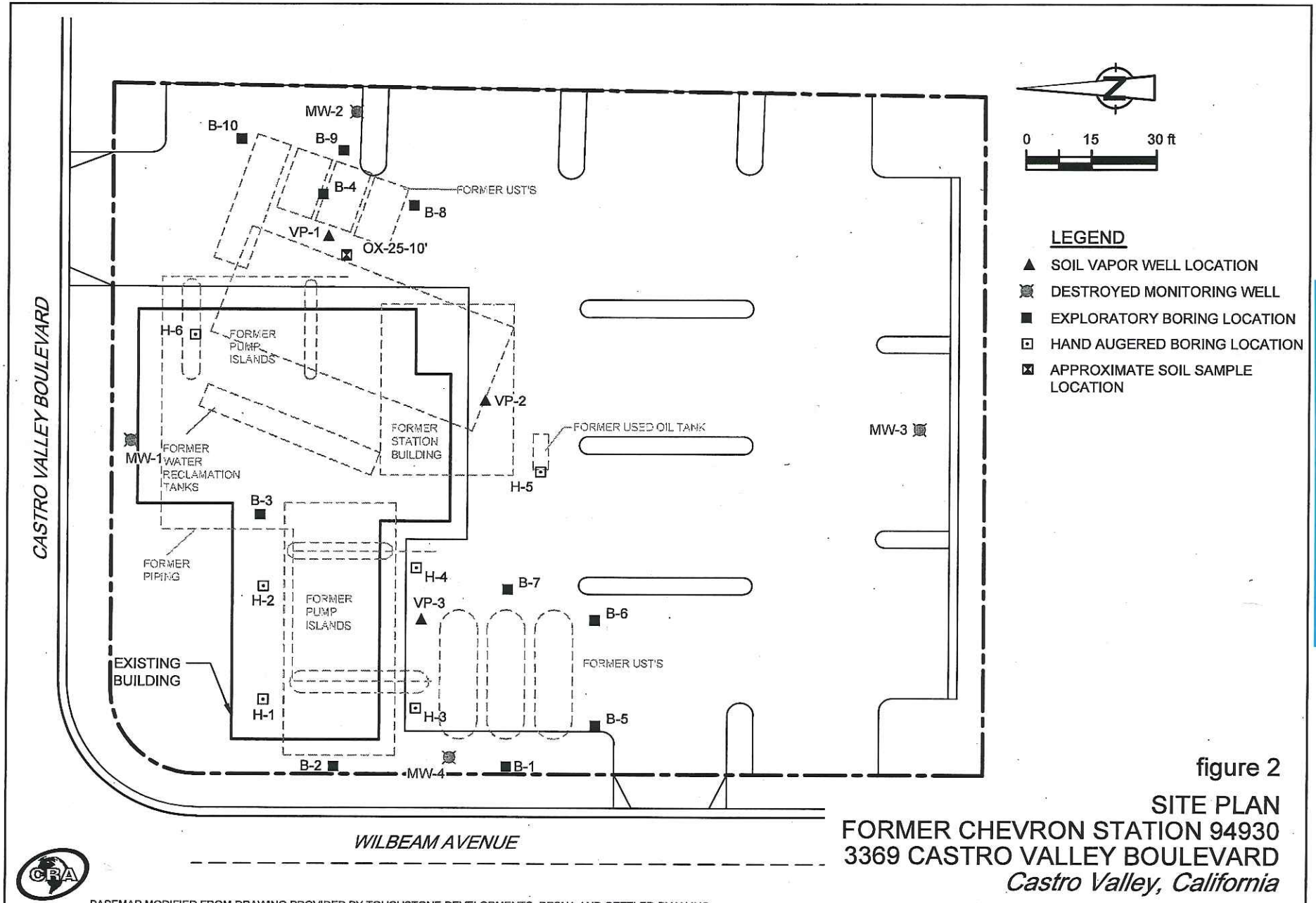
figure 1

VICINITY MAP
FORMER CHEVRON SERVICE STATION 94930
3369 CASTRO VALLEY BOULEVARD
Castro Valley, California

611967D-00(004)GN-WA001 NOV 1/2012

Google

To see all the details that are visible on the screen, use the "Print" link next to the map.



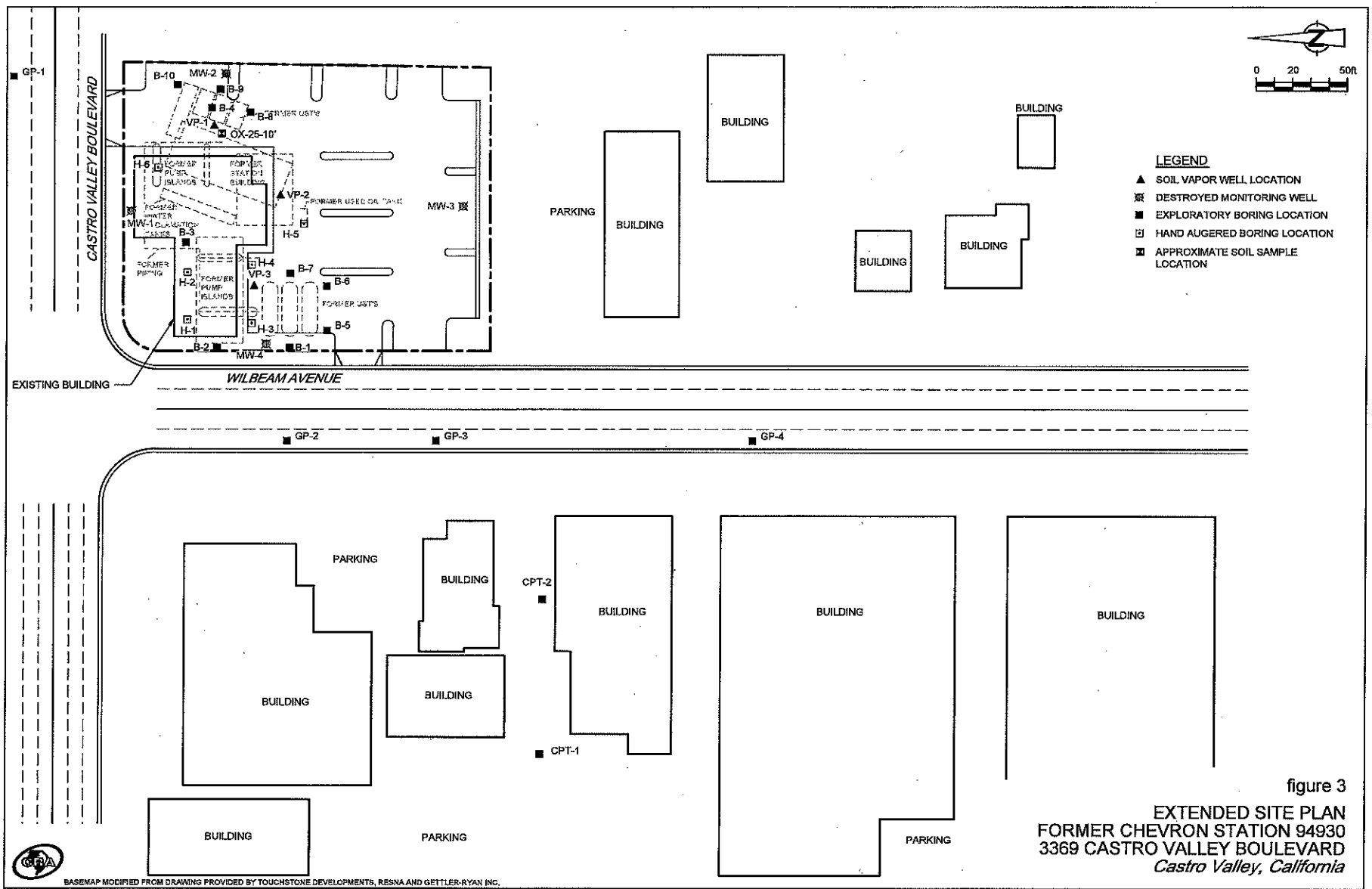
ATTACHMENT 2

figure 2

SITE PLAN
FORMER CHEVRON STATION 94930
3369 CASTRO VALLEY BOULEVARD
Castro Valley, California

BASEMAP MODIFIED FROM DRAWING PROVIDED BY TOUCHSTONE DEVELOPMENTS, RESNA AND GETTLER-RYAN INC.

611967D-00(004)GN-WA002 NOV 1/2012

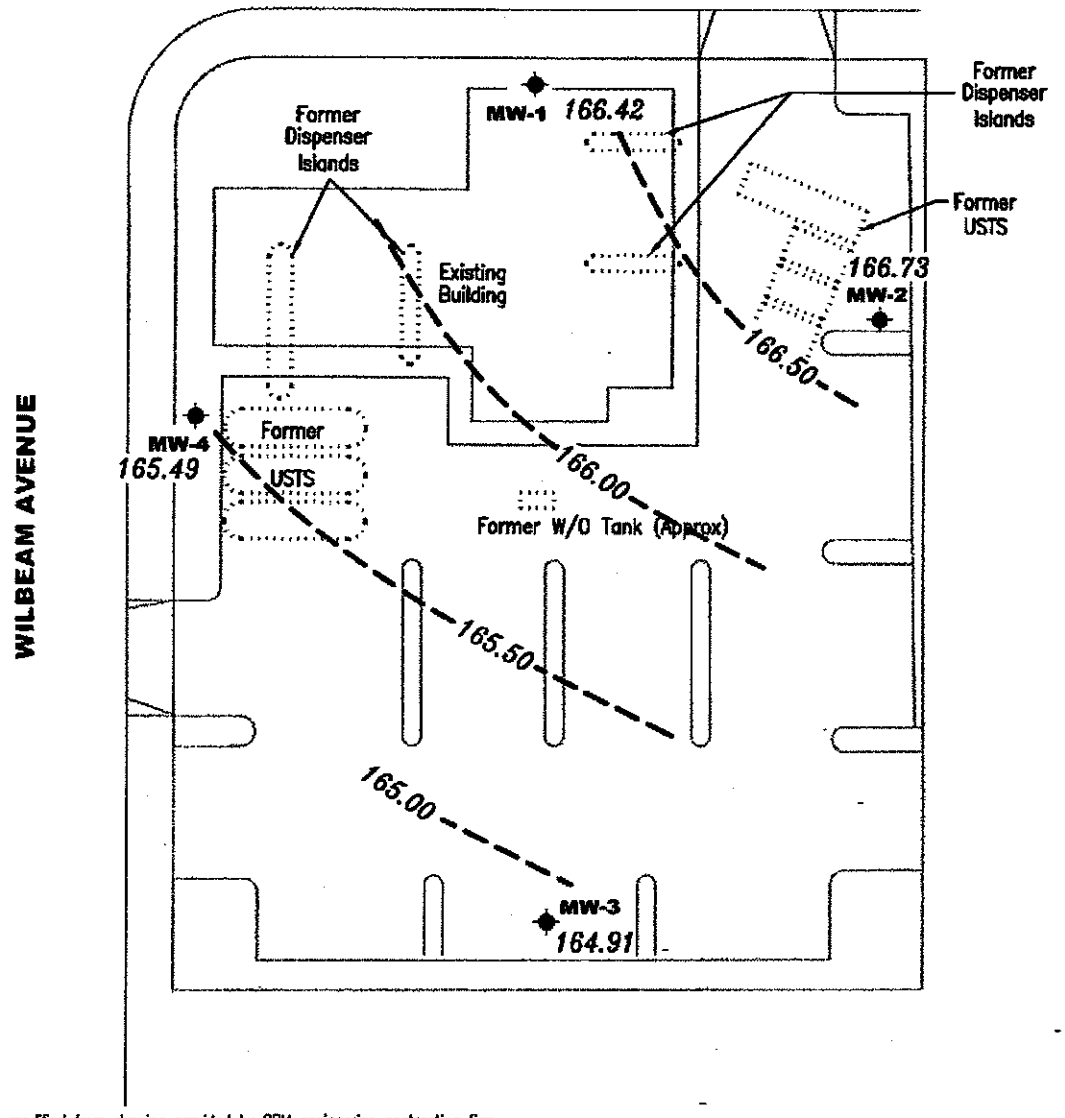


BASEMAP MODIFIED FROM DRAWING PROVIDED BY TOUCHSTONE DEVELOPMENTS, RESNA AND GETTLER-RYAN INC.

811967D-00(004)GN-WA003 NOV 1/2012

figure 3

EXTENDED SITE PLAN
FORMER CHEVRON STATION 94930
3369 CASTRO VALLEY BOULEVARD
Castro Valley, California



EXPLANATION

- Groundwater monitoring well
- 99.99 — Groundwater elevation in feet referenced to Mean Sea Level
- -99.99- — Groundwater elevation contour, dashed where inferred

Approximate groundwater flow direction at a gradient of 0.009 to 0.01 Ft./Ft.

N

0 40

Scale in Feet

Source: Figure modified from drawing provided by RRM engineering contracting firm.

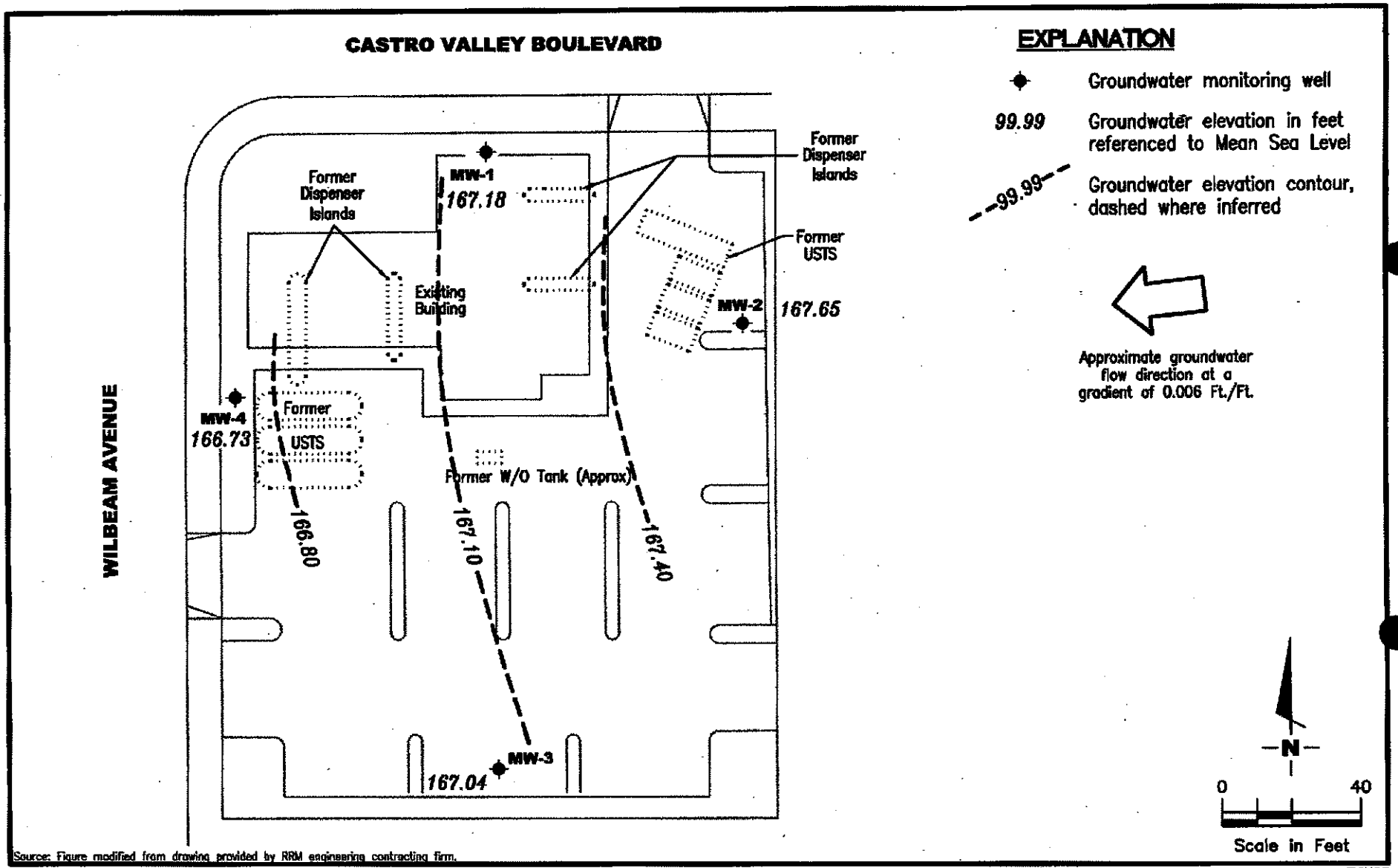
GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Former Chevron Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

FIGURE 1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386509		August 15, 2002	

FILE NAME: P:\ROBIN\002-9-4930.DWG | Layout Tab: Pot3



Source: Figure modified from drawing provided by RRM engineering contracting firm.

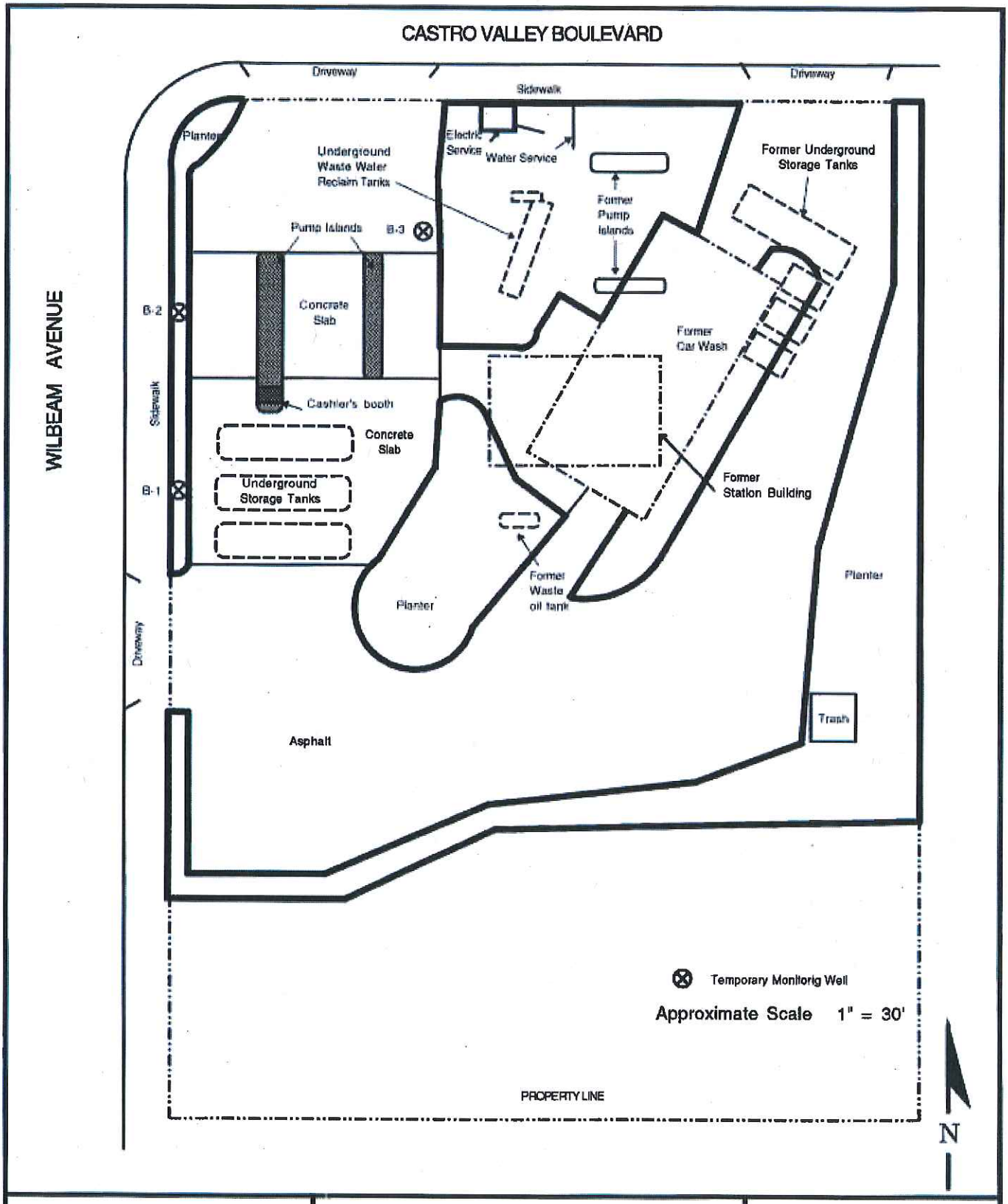
GETTLER - RYAN INC.
6747 Sierra Court, Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Former Chevron Service Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

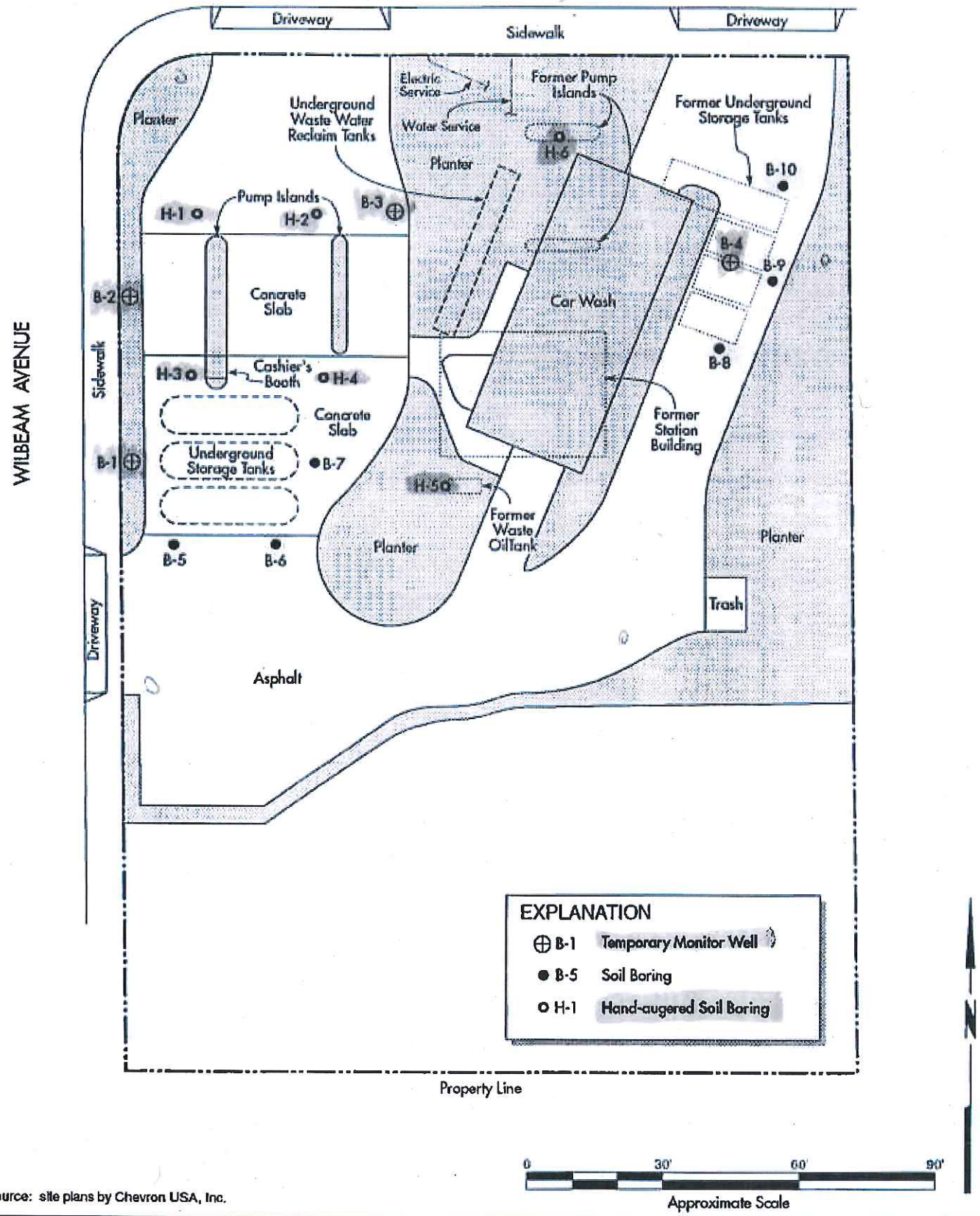
FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386509		February 18, 2005	

FILE NAME: P:\Enviro\Chevron\9-4930\Q05-9-4930.dwg | Layout Tab: Pot1



Touchstone Developments Environmental Management	**Site Map** **Chevron Service Station No. 9-4930** **3369 Castro Valley Boulevard** **Castro Valley, California**	**Figure 1** 02-18-93 | mjt Project # 4930-1



Source: site plans by Chevron USA, Inc.

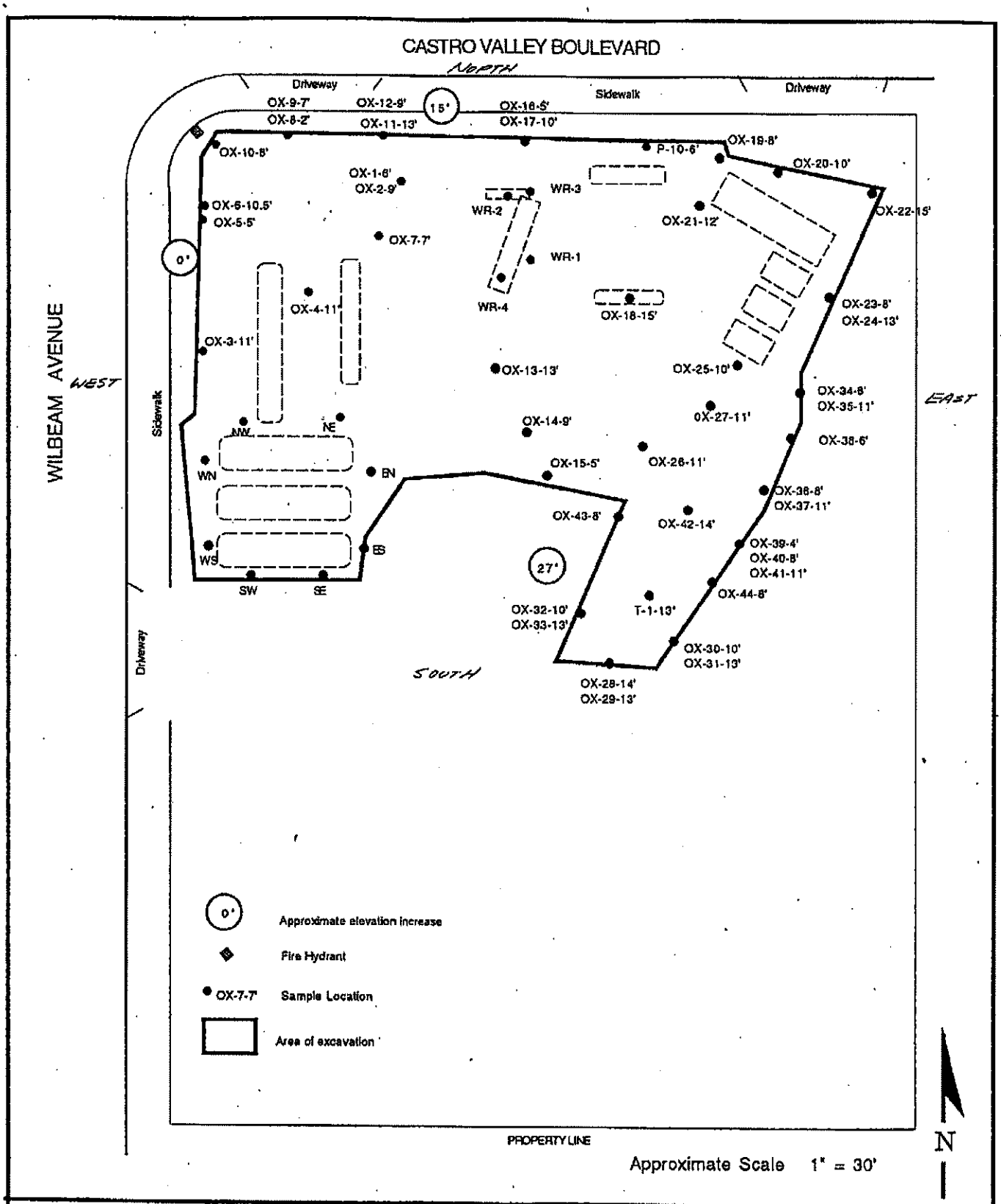
RESNA

PROJECT NO. 17068.01 | 11/92

GENERALIZED SITE PLAN

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

FIGURE 2



Touchstone Developments
Environmental Management

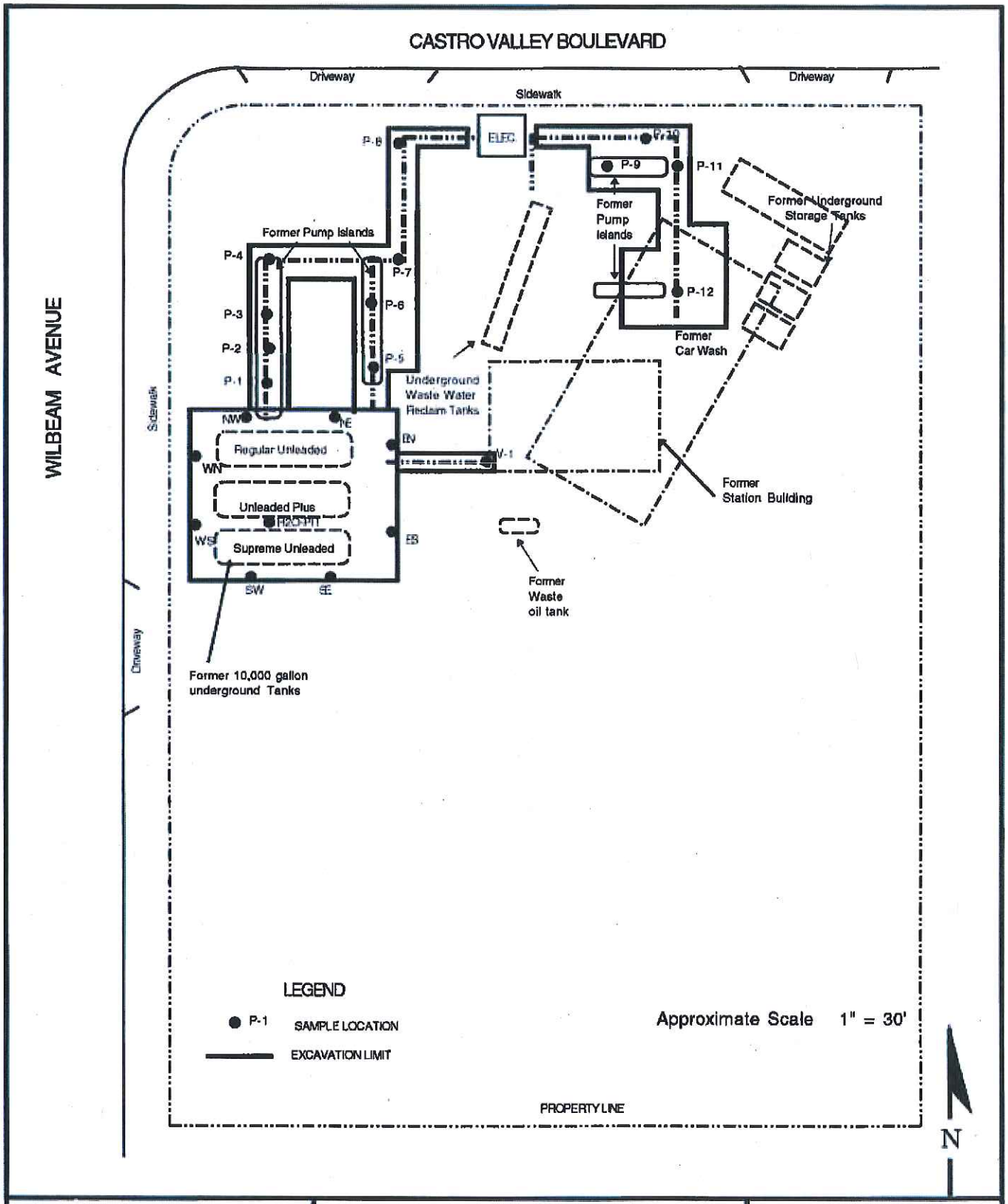
Over-excavation Sample Location Map

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

Figure 3

05-10-93 | mjt

Project # 4930-2



Touchstone Developments
Environmental Management

UGST & Pipeline Sample Location Map

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

Figure 2

03-11-93 | mjt

Project # 4930-1

TABLE 1

CURRENT AND HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION 9-4930
3369 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

Boring/ Sample ID	*Sample Depth (fbg)*	*Sample Date*	*TOG*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*HVOCs*	*SVOCs*	*Lead*	*Cd*	*Cr*	*Ni*	*Zn*
			← Concentrations reported in milligrams per kilogram (mg/kg) →														
UST Removal Confirmation Samples																	
SE-9'	9	3/10/93	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
SW-6'	6	3/10/93	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
WS-9'	9	3/10/93	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
ES-6'	6	3/10/93	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
EN-9'	9	3/10/93	--	--	<1	<0.005	<0.005	0.014	0.024	--	--	--	--	--	--	--	--
NE-6'	6	3/10/93	--	--	430	0.056	0.64	7.7	33	--	--	--	--	--	--	--	--
NW-8'	8	3/10/93	--	--	620	0.15	0.75	11	53	--	--	--	<5	--	--	--	--
WN-6'	6	3/10/93	--	--	240	<0.05	0.57	4.9	4	--	--	--	--	--	--	--	--
Pipe Trench Confirmation Samples																	
V-1	2	3/10/93	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
P-1	2.5	3/10/93	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
P-2	2.5	3/10/93	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
P-3	2.5	3/10/93	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
P-4	2.5	3/10/93	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
P-5	3	3/10/93	--	--	<1	<0.005	<0.005	<0.005	0.014	--	--	--	--	--	--	--	--
P-6	3	3/10/93	--	--	<1	0.02	0.02	<0.005	<0.005	--	--	--	--	--	--	--	--
P-7	3	3/10/93	--	--	<1	<0.005	0.018	<0.005	0.019	--	--	--	--	--	--	--	--
P-8	3	3/10/93	--	--	14	0.39	2.3	0.32	1.8	--	--	--	--	--	--	--	--
P-9-5'	5	3/10/93	--	--	1.5	0.074	0.007	0.007	0.011	--	--	--	7	--	--	--	--
P-10-4.5'	4.5	3/10/93	--	--	720	2.3	17	9	49	--	--	--	6	--	--	--	--
P-11-5'	5	3/10/93	--	--	3.0	0.079	0.01	0.025	0.03	--	--	--	6	--	--	--	--
P-12-6'	6	3/10/93	--	--	1.6	<0.005	0.011	0.036	0.007	--	--	--	6	--	--	--	--
Waste Water Reclaim Tank Confirmation Samples																	
WWR-1-9'	9	3/15/93	<50	<10	8	<0.003	0.019	0.078	0.36	--	ND	--	10	<1	28	29	48
WWR-2-9'	9	3/15/93	<50	<10	230	<0.05	0.17	2.2	4.5	--	ND	--	5	<1	31	31	100
WWR-3-12'	12	3/15/93	<50	<10	<1	<0.005	<0.005	<0.005	<0.009	--	ND	--	5	<1	26	32	41
WWR-4-12'	12	3/15/93	<50	<10	<1	<0.005	<0.005	<0.005	<0.009	--	ND	--	6	<1	33	28	46

ATTACHMENT 3

CURRENT AND HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION 9-4930
3369 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

Boring/ Sample ID	*Sample Depth (fbg)*	*Sample Date*	*TOG*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*HVOCs*	*SVOCs*	*Lead*	*Cd*	*Cr*	*Ni*	*Zn*
			← Concentrations reported in milligrams per kilogram (mg/kg) →														
UST Over-Excavation Confirmation Samples																	
OX-1-6'	6	3/19/93	--	--	340	<0.25	0.33	4.4	15	--	--	--	--	--	--	--	--
OX-2-9'	9	3/19/93	--	--	97	<0.10	<0.10	1.8	9	--	--	--	--	--	--	--	--
OX-3-11'	11	3/22/93	--	--	<1	0.026	<0.005	0.006	<0.015	--	--	--	--	--	--	--	--
OX-4-11'	11	3/22/93	--	--	11	0.38	0.30	0.31	1.0	--	--	--	--	--	--	--	--
OX-5-5'	5	3/22/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-6-10.5'	10.5	3/22/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-7-7'	7	3/22/93	--	--	11	<0.025	0.045	<0.025	0.083	--	ND	--	--	--			
OX-8-2'	2	3/25/93	--	--	4	0.01	0.006	0.031	0.36	--	--	--	--	--	--	--	--
OX-9-7'	7	3/25/93	<50	--	990	<0.1	2.1	8	43	--	--	--	--	--	--	--	--
OX-10-8'	8	3/26/93	--	--	110	<0.025	0.14	0.39	1.3	--	--	--	--	--	--	--	--
OX-11-13'	13	3/26/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-12-9'	9	3/26/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-13-13'	13	3/30/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-14-9'	9	4/2/93	--	--	340	<0.05	0.18	5.8	28	--	--	--	--	--	--	--	--
OX-15-5'	5	4/2/93	<50	2	<1	<0.005	0.008	<0.005	<0.015	--	ND	ND[c]	6	<1	22	21	39
OX-16-5'	5	4/7/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-17-10'	10	4/7/93	--	--	290	<0.1	0.65	4.6	21	--	--	--	--	--	--	--	--
OX-18-15'	15	4/9/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-19-8'	8	4/9/93	--	--	760	0.5	4	17	76	--	--	--	--	--	--	--	--
OX-20-10'	10	4/9/93	--	--	74	0.032	0.18	2.2	1.8	--	--	--	--	--	--	--	--
OX-21-12'	12	4/9/93	--	--	850	2.6	14	17	80	--	--	--	--	--	--	--	--
OX-22-15'	15	4/19/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-23-8'	8	4/19/93	--	--	160	<0.025	0.29	2.2	4.2	--	--	--	--	--	--	--	--
OX-24-13'	13	4/19/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-25-10'	10	4/19/93	--	--	5,100	3.9	6.6	77	360	--	--	--	--	--	--	--	--
OX-26-11'	11	4/20/93	--	--	510	0.59	3.6	9.7	51	--	--	--	--	--	--	--	--
OX-27-11'	11	4/20/93	--	--	310	0.3	0.98	4.9	18	--	--	--	--	--	--	--	--
OX-28-14'	14	4/22/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-29-13'	13	4/22/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-30-10'	10	4/22/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-31-13'	13	4/22/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-32-10'	10	4/22/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-33-13'	13	4/22/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-34-8'	8	4/28/93	--	--	89	<0.005	0.15	1.5	3.1	--	--	--	--	--	--	--	--
OX-35-11'	11	4/28/93	--	--	8	<0.005	0.011	0.15	0.31	--	--	--	--	--	--	--	--

TABLE 1

CURRENT AND HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION 9-4930
3369 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

Boring/ Sample ID	*Sample Depth (fbg)*	*Sample Date*	*TOG*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*HVOCs*	*SVOCs*	*Lead*	*Cd*	*Cr*	*Ni*	*Zn*
			← Concentrations reported in milligrams per kilogram (mg/kg) →														
OX-36-8'	8	4/28/93	--	--	18	<0.005	0.065	0.34	0.86	--	--	--	--	--	--	--	--
OX-37-11'	11	4/28/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-38-6'	6	4/28/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-39-4'	4	4/30/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-40-8'	8	4/30/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-41-14'	14	4/30/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-42-14'	14	4/30/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
OX-44-8'	8	5/3/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
T-1-13'	13	4/20/93	--	--	1,600	0.98	18	34	140	--	--	--	--	--	--	--	--
Stockpile Sample Results (Re-Used as Backfill)																	
CSP-1A-D	--	3/24/93	--	--	<1	<0.005	<0.005	0.006	<0.015	--	--	--	--	--	--	--	--
CSP-2A-D	--	3/24/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
CSP-3A-D	--	3/24/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
CSP-4A-D	--	4/13/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
CSP-5A-D	--	4/13/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
CSP-6A-D	--	4/13/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
CSP-7A-D	--	5/3/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
CSP-8A-D	--	5/3/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
CSP-9A-D	--	5/3/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
CSP-10A-D	--	5/3/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
CSP-11A-D	--	5/4/93	--	--	<1	<0.005	<0.02	<0.005	<0.015	--	--	--	--	--	--	--	--
CSP-12A-D	--	5/4/93	--	--	<1	<0.005	<0.02	<0.005	<0.015	--	--	--	--	--	--	--	--
Exploratory and Well Borings																	
B-1	6	11/24/92	--	--	79	<0.1	0.087	1.0	1.9	--	--	--	--	--	--	--	--
	11.25	11/24/92	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-2	11.25	11/24/92	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-3	10.25	11/24/92	--	--	96	<0.025	<0.025	0.063	3.5	--	--	--	--	--	--	--	--
B-4	11.5	11/24/92	--	--	2,500	<0.5	5.1	20	130	--	--	--	--	--	--	--	--
B-5	10.75	11/24/92	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-6	10.6	11/24/92	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--

TABLE 1

CURRENT AND HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION 9-4930
3369 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

Boring/ Sample ID	*Sample Depth (fbg)*	*Sample Date*	*TOG*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*HVOCs*	*SVOCs*	*Lead*	*Cd*	*Cr*	*Ni*	*Zn*
			← Concentrations reported in milligrams per kilogram (mg/kg) →														
B-7	10.75	11/24/92	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-8	10.5	11/24/92	--	--	**36**	<0.05	**0.056**	**0.47**	**1.4**	--	--	--	--	--	--	--	--
B-9	5.5	11/24/92	--	--	<1	<0.005	<0.005	<0.005	**0.01**	--	--	--	--	--	--	--	--
	11	11/24/92	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-10	11.5	11/24/92	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
H-1	5.5	11/24/92	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
H-2	5.5	11/24/92	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
H-3	5.5	11/24/92	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
H-4	1	11/24/92	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
H-5	5.5	11/24/92	**57**	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
	10.5	11/24/92	<50	<10	**15**	<0.005	**0.014**	**0.043**	**0.027**	--	ND	--	--	--			
H-6	5.5	11/24/92	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-11 (MW-1)	6	10/25/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
B-12 (MW-2)	5.8	10/25/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
	8	10/25/93	--	--	**100**	<0.05	**0.18**	**0.45**	**3.6**	--	--	--	--	--	--	--	--
B-13 (MW-3)	5.8	10/25/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
	8	10/25/93	--	--	<1	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
B-14 (MW-4)	6	10/25/93	--	--	**530**	<0.25	**0.48**	**4.5**	**18**	--	--	--	--	--	--	--	--
GP-3	5	1/25/96	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
	10	1/25/96	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
	15	1/25/96	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--

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CURRENT AND HISTORICAL SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION 9-4930
3369 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

Boring/ Sample ID	*Sample Depth (fbg)*	*Sample Date*	*TOG*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*HVOCs*	*SVOCs*	*Lead*	*Cd*	*Cr*	*Ni*	*Zn*
			← Concentrations reported in milligrams per kilogram (mg/kg) →														
GP-4	5	1/25/96	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
	10	1/25/96	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
	15	1/25/96	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
VP-1	10	10/18/10	--	--	**16**	**0.0008**	<0.001	<0.001	<0.001	**0.0007**	--	--	--	--	--	--	--
	12.5	10/18/10	--	--	<1	<0.0005	<0.001	<0.001	<0.001	**0.0006**	--	--	--	--	--	--	--
	15	10/18/10	--	--	<1	<0.0005	<0.001	<0.001	<0.001	**0.0007**	--	--	--	--	--	--	--
VP-2	5.5	10/19/10	--	--	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
VP-3	5.5	10/19/10	--	--	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--

Abbreviations/Notes:
fbg = feet below grade
TOG = Total oil and grease
TPHd/TPHg = Total petroleum hydrocarbons as diesel and gasoline, respectively
MTBE = Methyl tertiary butyl ether
HVOCs = Halogenated volatile organic compounds
SVOCs = Semi-volatile organic compounds
Cd = Cadmium
Cr = Chromium
Ni = Nickel
Zn = Zinc
-- = Not analyzed
< = Not detected at or above stated laboratory reporting limit
ND = Not detected (reporting limits vary)
a = 2-Methylnaphthalene detected at 0.28 mg/kg
Note: Shaded samples were collected from soil that was later over-excavated

Superior Precision Analytical, Inc.
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CERTIFICATE OF ANALYSIS

LABORATORY NO.: 13814-18
CLIENT: Resna/Western Geologic Resources
JOB NO.: 17068.01

DATE SAMPLED: 11/24/92
DATE RECEIVED: 11/25/92
DATE ANALYZED: 12/07/92

EPA SW-846 METHOD 8010
HALOGENATED VOLATILE ORGANICS
SAMPLE:H-5 10.5'

Compound	MDL (ug/kg)	RESULTS (ug/kg)
Chloromethane/Vinyl Chloride	10	ND
Bromomethane/Chloroethane	10	ND
Trichlorofluoromethane	5	ND
1,1-Dichloroethene	5	ND
Methylene Chloride	5	ND
trans-1,2-Dichloroethene	5	ND
1,1-Dichloroethane	5	ND
cis-1,2-Dichloroethene	5	ND
Chloroform	5	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
1,2-Dichloroethane	5	ND
Trichloroethylene	5	ND
1,2-Dichloropropane	5	ND
Bromodichloromethane	5	ND
Cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
1,1,2-Trichloroethane	5	ND
Tetrachloroethene	5	ND
Dibromochloromethane	5	ND
Chlorobenzene	5	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	5	ND
1,3-Dichlorobenzene	5	ND
1,2-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	5	ND

MDL = Method Detection Limit
ug/kg = parts per billion (ppb)
QA/QC Summary: Daily Standard RPD =<15%
MS/MSD average recovery = 110 % :MS/MSD RPD = 5 %

Richard Srna, Ph.D.

Laboratory Director

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CERTIFICATE OF ANALYSIS

LABORATORY NO.: 14252-2
CLIENT: TOUCHSTONE DEVELOPMENTS
JOB NO.: 4930-1

DATE SAMPLED: 03/15/93
DATE RECEIVED: 03/15/93
DATE ANALYZED: 03/16/93

EPA SW-846 METHOD 8010
HALOGENATED VOLATILE ORGANICS
SAMPLE: WWR-1-9'

Compound	MDL (ug/kg)	RESULTS (ug/kg)
Chloromethane/Vinyl Chloride	10	ND
Bromomethane/Chloroethane	10	ND
Trichlorofluoromethane	5	ND
1,1-Dichloroethene	5	ND
Methylene Chloride	20	ND
trans-1,2-Dichloroethene	5	ND
1,1-Dichloroethane	5	ND
cis-1,2-Dichloroethene	5	ND
Chloroform	5	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
1,2-Dichloroethane	5	ND
Trichloroethylene	5	ND
1,2-Dichloropropane	5	ND
Bromodichloromethane	5	ND
Cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
1,1,2-Trichloroethane	5	ND
Tetrachloroethene	5	ND
Dibromochloromethane	5	ND
Chlorobenzene	5	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	5	ND
1,3-Dichlorobenzene	5	ND
1,2-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	5	ND

MDL = Method Detection Limit
ug/kg = parts per billion (ppb)
QA/QC Summary: Daily Standard RPD =<15%
MS/MSD average recovery = 92 % :MS/MSD RPD = 12 %

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C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 14252-3
CLIENT: TOUCHSTONE DEVELOPMENTS
JOB NO.: 4930-1

DATE SAMPLED: 03/15/93
DATE RECEIVED: 03/15/93
DATE ANALYZED: 03/16/93

EPA SW-846 METHOD 8010
HALOGENATED VOLATILE ORGANICS
SAMPLE: WWR-2-9'

Compound	MDL (ug/kg)	RESULTS (ug/kg)
Chloromethane/Vinyl Chloride	10	ND
Bromomethane/Chloroethane	10	ND
Trichlorofluoromethane	5	ND
1,1-Dichloroethene	5	ND
Methylene Chloride	20	ND
trans-1,2-Dichloroethene	5	ND
1,1-Dichloroethane	5	ND
cis-1,2-Dichloroethene	5	ND
Chloroform	5	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
1,2-Dichloroethane	5	ND
Trichloroethylene	5	ND
1,2-Dichloropropane	5	ND
Bromodichloromethane	5	ND
Cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
1,1,2-Trichloroethane	5	ND
Tetrachloroethene	5	ND
Dibromochloromethane	5	ND
Chlorobenzene	5	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	5	ND
1,3-Dichlorobenzene	5	ND
1,2-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	5	ND

MDL = Method Detection Limit
ug/kg = parts per billion (ppb)
QA/QC Summary: Daily Standard RPD =<15%
MS/MSD average recovery = 92 % :MS/MSD RPD = 12 %

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C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 14252-4
CLIENT: TOUCHSTONE DEVELOPMENTS
JOB NO.: 4930-1

DATE SAMPLED: 03/15/93
DATE RECEIVED: 03/15/93
DATE ANALYZED: 03/16/93

EPA SW-846 METHOD 8010
HALOGENATED VOLATILE ORGANICS
SAMPLE: WWR-3-12'

Compound	MDL (ug/kg)	RESULTS (ug/kg)
Chloromethane/Vinyl Chloride	10	ND
Bromomethane/Chloroethane	10	ND
Trichlorofluoromethane	5	ND
1,1-Dichloroethene	5	ND
Methylene Chloride	20	ND
trans-1,2-Dichloroethene	5	ND
1,1-Dichloroethane	5	ND
cis-1,2-Dichloroethene	5	ND
Chloroform	5	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
1,2-Dichloroethane	5	ND
Trichloroethylene	5	ND
1,2-Dichloropropane	5	ND
Bromodichloromethane	5	ND
Cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
1,1,2-Trichloroethane	5	ND
Tetrachloroethene	5	ND
Dibromochloromethane	5	ND
Chlorobenzene	5	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	5	ND
1,3-Dichlorobenzene	5	ND
1,2-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	5	ND

MDL = Method Detection Limit
ug/kg = parts per billion (ppb)
QA/QC Summary: Daily Standard RPD =<15%
MS/MSD average recovery = 92 % :MS/MSD RPD = 12 %

Richard Srna, Ph.D.

Laboratory Director

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C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 14252-5
CLIENT: TOUCHSTONE DEVELOPMENTS
JOB NO.: 4930-1

DATE SAMPLED: 03/15/93
DATE RECEIVED: 03/15/93
DATE ANALYZED: 03/16/93

EPA SW-846 METHOD 8010
HALOGENATED VOLATILE ORGANICS
SAMPLE: WWR-4-12'

Compound	MDL (ug/kg)	RESULTS (ug/kg)
Chloromethane/Vinyl Chloride	10	ND
Bromomethane/Chloroethane	10	ND
Trichlorofluoromethane	5	ND
1,1-Dichloroethene	5	ND
Methylene Chloride	20	ND
trans-1,2-Dichloroethene	5	ND
1,1-Dichloroethane	5	ND
cis-1,2-Dichloroethene	5	ND
Chloroform	5	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
1,2-Dichloroethane	5	ND
Trichloroethylene	5	ND
1,2-Dichloropropane	5	ND
Bromodichloromethane	5	ND
Cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
1,1,2-Trichloroethane	5	ND
Tetrachloroethene	5	ND
Dibromochloromethane	5	ND
Chlorobenzene	5	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	5	ND
1,3-Dichlorobenzene	5	ND
1,2-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	5	ND

MDL = Method Detection Limit
ug/kg = parts per billion (ppb)
QA/QC Summary: Daily Standard RPD =<15%
MS/MSD average recovery = 92 % :MS/MSD RPD = 12 %

Richard Srna, Ph.D.

Laboratory Director

Superior Precision Analytical, Inc.
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CERTIFICATE OF ANALYSIS

LABORATORY NO.: 88087
CLIENT: TOUCHSTONE DEVELOPMENTS
CLIENT JOB NO.: 4930-1

DATE RECEIVED: 03/15/93
DATE REPORTED: 03/18/93
DATE SAMPLED : 03/15/93

ANALYSIS FOR TOTAL NICKEL
by SW-846 METHOD 6010

LAB #	Sample Identification	Concentration (mg/Kg) Total Nickel
1	WWR-1-9'	29
2	WWR-2-9'	31
3	WWR-3-12'	32
4	WWR-4-12'	28
5	SP-WWR-1A-D	30
6	SP-WWR-2A-D	32

mg/kg - parts per million (ppm)

Method Detection Limit for Nickel in Soil: 10 mg/kg

QAQC Summary: MS/MSD Average Recovery : 88%
Duplicate RPD : 6%

Richard Srna, Ph.D.

Idomina V. Sanguily (for)
Laboratory Manager

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C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 14275-5
CLIENT: TOUCHSTONE DEVELOPMENT
JOB NO.: 4930-2

DATE SAMPLED: 03/22/93
DATE RECEIVED: 03/22/93
DATE ANALYZED: 03/23/93

EPA SW-846 METHOD 8010
HALOGENATED VOLATILE ORGANICS
SAMPLE: OX-7-7'

Compound	MDL (ug/kg)	RESULTS (ug/kg)
Chloromethane/Vinyl Chloride	10	ND
Bromomethane/Chloroethane	10	ND
Trichlorofluoromethane	5	ND
1,1-Dichloroethene	5	ND
Methylene Chloride	5	ND
trans-1,2-Dichloroethene	5	ND
1,1-Dichloroethane	5	ND
cis-1,2-Dichloroethene	5	ND
Chloroform	5	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
1,2-Dichloroethane	5	ND
Trichloroethylene	5	ND
1,2-Dichloropropane	5	ND
Bromodichloromethane	5	ND
Cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
1,1,2-Trichloroethane	5	ND
Tetrachloroethene	5	ND
Dibromochloromethane	5	ND
Chlorobenzene	5	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	5	ND
1,3-Dichlorobenzene	5	ND
1,2-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	5	ND

MDL = Method Detection Limit
ug/kg = parts per billion (ppb)
QA/QC Summary: Daily Standard RPD =<15%
MS/MSD average recovery = 90 % :MS/MSD RPD = 5 %

Richard Srna, Ph.D.
(for) 3/24/93
Laboratory Director

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C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 88247 — DATE RECEIVED: 04/02/93
CLIENT: TOUCHSTONE DEVELOPMENTS — DATE REPORTED: 04/08/93
CLIENT JOB NO.: 4930-2 — DATE SAMPLED: 04/02/93
OX-15-5

ANALYSIS FOR CADMIUM, CHROMIUM, LEAD, ZINC & NICKEL
by EPA SW-846 Method 6010

LAB #	Sample Identification	Concentration (mg/kg) Cadmium	Chromium	Lead	Zinc	Nickel
1	OX-15-5	ND	22	6	39	21

mg/kg - parts per million (ppm)

Method Detection Limit for Cadmium in Soil: 1 mg/kg
Method Detection Limit for Chromium in Soil: 5 mg/kg
Method Detection Limit for Lead in Soil: 5 mg/kg
Method Detection Limit for Zinc in Soil: 20 mg/kg
Method Detection Limit for Nickel in Soil: 10 mg/kg

QAQC Summary: MS/MSD Recovery Range: 84/92%
Duplicate RPD : <= 5%

Richard Srna, Ph.D.

Laboratory Manager

SEQUOIA ANALYTICAL

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

Superior Analytical Laboratory	Client Project ID:	[redacted]	Sampled: -
1555 Burke St. Unit 1	Sample Descript:	[redacted]	Received: Apr 5, 1993
San Francisco, CA 92124	Analysis Method:	EPA 8270	Extracted: Apr 7, 1993
Attention: Nancy	Lab Number:	3D16201	Analyzed: Apr 8, 1993
			Reported: Apr 8, 1993

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

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene	100	N.D.
Acenaphthylene	100	N.D.
Aniline	100	N.D.
Anthracene	100	N.D.
Benzidine	2,500	N.D.
Benzoic Acid	500	N.D.
Benzo(a)anthracene	100	N.D.
Benzo(b)fluoranthene	100	N.D.
Benzo(k)fluoranthene	100	N.D.
Benzo(g,h,i)perylene	100	N.D.
Benzo(a)pyrene	100	N.D.
Benzyl alcohol	100	N.D.
Bis(2-chloroethoxy)methane	100	N.D.
Bis(2-chloroethyl)ether	100	N.D.
Bis(2-chloroisopropyl)ether	100	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.
4-Bromophenyl phenyl ether	100	N.D.
Butyl benzyl phthalate	100	N.D.
4-Chloroaniline	100	N.D.
2-Chloronaphthalene	100	N.D.
4-Chloro-3-methylphenol	100	N.D.
2-Chlorophenol	100	N.D.
4-Chlorophenyl phenyl ether	100	N.D.
Chrysene	100	N.D.
Dibenz(a,h)anthracene	100	N.D.
Dibenzofuran	100	N.D.
Di-N-butyl phthalate	500	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,2-Dichlorobenzene	100	N.D.
3,3-Dichlorobenzidine	500	N.D.
2,4-Dichlorophenol	100	N.D.
Diethyl phthalate	100	N.D.
2,4-Dimethylphenol	100	N.D.
Dimethyl phthalate	100	N.D.
4,6-Dinitro-2-methylphenol	500	N.D.
2,4-Dinitrophenol	500	N.D.

SEQUOIA ANALYTICAL

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

Superior Analytical Laboratory	Client Project ID:	Chevron 14322-2	Sampled:	-
1555 Burke St. Unit 1	Sample Descript:	Soil, OX-15-5'	Received:	Apr 5, 1993
San Francisco, CA 92124	Analysis Method:	EPA 8270	Extracted:	Apr 7, 1993
Attention: Nancy	Lab Number:	3D16201	Analyzed:	Apr 8, 1993
			Reported:	Apr 8, 1993

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

Analyte	Detection Limit µg/kg	Sample Results µg/kg
2,4-Dinitrotoluene	100	N.D.
2,6-Dinitrotoluene	100	N.D.
Di-N-octyl phthalate	100	N.D.
Fluoranthene	100	N.D.
Fluorene	100	N.D.
Hexachlorobenzene	100	N.D.
Hexachlorobutadiene	100	N.D.
Hexachlorocyclopentadiene	100	N.D.
Hexachloroethane	100	N.D.
Indeno(1,2,3-cd)pyrene	100	N.D.
Isophorone	100	N.D.
2-Methylnaphthalene	100	N.D.
2-Methylphenol	100	N.D.
4-Methylphenol	100	N.D.
Naphthalene	100	N.D.
2-Nitroaniline	500	N.D.
3-Nitroaniline	500	N.D.
4-Nitroaniline	500	N.D.
Nitrobenzene	100	N.D.
2-Nitrophenol	100	N.D.
4-Nitrophenol	500	N.D.
N-Nitrosodiphenylamine	100	N.D.
N-Nitroso-di-N-propylamine	100	N.D.
Pentachlorophenol	500	N.D.
Phenanthrene	100	N.D.
Phenol	100	N.D.
Pyrene	100	N.D.
1,2,4-Trichlorobenzene	100	N.D.
2,4,5-Trichlorophenol	500	N.D.
2,4,6-Trichlorophenol	100	N.D.

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

SEQUOIA ANALYTICAL

ATTACHMENT 4

RESNA
Working To Restore Nature

Table 2

GROUNDWATER ANALYTICAL RESULTS
Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

Sample Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPHg
B-1	11/2392	51	120	~~2,300~~ 87	~~87~~ 270	2,700
B-2	11/23/92	23	11	470	1,100	13,000
B-3	11/23/92	800	38	1,000	2,000	23,000
B-4	11/23/92	190	13	240	690	15,000

All results in parts per billion (ppb)
TPHg = Total Petroleum Hydrocarbons as Gasoline.

Superior Precision Analytical, Inc.
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Resna/Western Geologic Resources
Attn: BARRY MARCUS

Project 17068.01
Reported 12/08/92

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
13814-11	B-9 11.0	11/24/92	12/05/92	Soil
13814-12	B-10 11.5	11/24/92	12/04/92	Soil
13814-13	H-1 5.5	11/24/92	12/05/92	Soil
13814-14	H-2 5.5	11/24/92	12/05/92	Soil
13814-15	H-3 5.5	11/24/92	12/05/92	Soil
13814-16	H-4 1.0	11/24/92	12/04/92	Soil
13814-17	H-5 5.5	11/24/92	12/04/92	Soil
13814-18	H-5 10.5	11/24/92	12/05/92	Soil
13814-19	H-6 5.5	11/24/92	12/04/92	Soil
13814-20	B-1	11/24/92	12/05/92	Water

RESULTS OF ANALYSIS

Laboratory Number:	13814-11	13814-12	13814-13	13814-14	13814-15
Gasoline:	ND<1	ND<1	ND<1	ND<1	ND<1
Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Toluene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Ethyl Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Xylenes:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Diesel:	NA	NA	NA	NA	NA
Oil and Grease:	NA	NA	NA	NA	NA
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Laboratory Number:	13814-16	13814-17	13814-18	13814-19	13814-20
Gasoline:	ND<1	ND<1	15	ND<1	2700
Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	51
Toluene:	ND<.005	ND<.005	0.014	ND<.005	120
Ethyl Benzene:	ND<.005	ND<.005	0.043	ND<.005	87
Xylenes:	ND<.005	ND<.005	0.027	ND<.005	270
Diesel:	NA	ND<10	ND<10	NA	NA
Oil and Grease:	NA	57	ND<50	NA	NA
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	ug/L

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

Resna/Western Geologic Resources
Attn: BARRY MARCUS

Project 17068.01
Reported 12/08/92

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
13814-21	B-2	11/24/92	12/05/92	Water
13814-22	B-3	11/24/92	12/05/92	Water
13814-23	B-4	11/24/92	12/05/92	Water

RESULTS OF ANALYSIS

Laboratory Number:	13814-21	13814-22	13814-23
Gasoline:	13000	23000	15000
Benzene:	23	800	190
Toluene:	11	38	13
Ethyl Benzene:	470	1000	240
Xylenes:	1100	2000	690
Diesel:	NA	NA	NA
Oil and Grease:	NA	NA	NA
Concentration:	ug/L	ug/L	ug/L

Table 1
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPPH as Gasoline and BTEX Compounds)

Chevron Service Station 9-4930
3369 Castro Valley Boulevard at Wilbeam Avenue
Castro Valley, California

Well Number	Date Sampled	Depth to Water (feet)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)
GP-1	01/25/96	5.00	ND	ND	ND	ND	ND
GP-2	01/25/96	5.20	1,600	9.6	4.5	37	190

TPPH = Total purgeable petroleum hydrocarbons
ppb = Parts per billion
ND = Not detected
See certified analytical reports for detection limits.

Table 1

Grab Groundwater Analytical Results

Former Chevron Station #9-4930, 3369 Castro Valley Blvd., Castro Valley, California

Sample ID	Date Sampled	DTW	TPHg	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	ETBE	DIPE	TAME	TBA	1,2-DCA	EDB
		fbg	micrograms per liter (µg/L)											
CPT-1-15	9/11/2007	15	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT-1-32	9/11/2007	32	<50	<0.5	<0.5	<0.5	<0.5	**6**	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT-2-15	9/11/2007	15	<50	<0.5	<0.5	<0.5	<0.5	**2**	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT-2-21	9/11/2007	21	**130**	<0.5	<0.5	<0.5	<0.5	**17**	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT-2-34	9/11/2007	34	**140**	<0.5	<0.5	<0.5	<0.5	**17**	<0.5	<0.5	<0.5	<2	<0.5	<0.5

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8015B
BTEX = Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8260B
MTBE = Methyl tertiary butyl ether by EPA Method 8260B
ETBE = Ethyl t-butyl ether
DIPE = di-isopropyl ether
TAME = t-Amyl methyl ether
TBA = t-Butyl alcohol by EPA Method 8260B
1,2 DCA= 1,2-Dichloroethane by EPA Method 8260B
EDB= 1,2-Dibromoethane by EPA Method 8260B
µg/L = micrograms per liter
fbg = feet below grade
<x = below laboratory detection limits

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-1													
10/29/93	172.90	166.15	6.75	1,000	11	17	32	110	--	--	--	--	--
02/25/94	172.90	166.80	6.10	250	6.0	1.0	5.0	3.0	--	--	--	--	--
04/04/94	172.90	166.14	6.76	--	--	--	--	--	--	--	--	--	--
04/29/94	172.90	166.35	6.55	--	--	--	--	--	--	--	--	--	--
06/13/94	172.90	166.12	6.78	670	35	3.5	43	3.9	--	0.8	16	14	47
06/30/94	172.90	166.06	6.84	--	--	--	--	--	--	--	--	--	--
07/28/94	172.90	166.03	6.87	--	--	--	--	--	--	--	--	--	--
08/31/94	172.90	166.00	6.90	560	43	9.5	25	5.0	--	1.3	19	13	65
11/11/94	172.90	167.00	5.90	460	53	4.0	50	3.4	--	--	--	--	--
02/01/95	172.90	166.88	6.02	240	25	0.6	4.0	<0.5	--	--	--	--	--
05/18/95	172.90	166.82	6.08	580	42	1.0	53	2.6	--	--	--	--	--
08/22/95	172.90	166.52	6.38	840	73	1.2	110	1.6	--	--	--	--	--
11/01/95	172.90	166.40	6.50	350	36	<0.5	30	<0.5	15	--	--	--	--
01/26/96	172.90	166.85	6.05	210	23	<0.5	12	<0.5	4.7	--	--	--	--
05/08/96	172.90	166.50	6.40	310	42	2.3	56	1.1	52	--	--	--	--
10/03/96	173.53	166.61	6.92	240	31	<0.5	1.7	<0.5	18	--	--	--	--
02/04/97	173.53	167.02	6.51	200	9.9	<0.5	3.7	<0.5	16	--	--	--	--
04/30/97	173.53	166.64	6.89	260	11	<0.5	17	<0.5	13	--	--	--	--
07/22/97	173.53	166.49	7.04	170	5.0	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/03/97	173.53	166.55	6.98	230	13	<0.5	7.8	0.68	--[1]	--	--	--	--
02/11/98	173.53	167.52	6.01	110	3.1	0.63	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	173.53	166.72	6.81	170	4.2	1.8	2.1	<0.5	<2.5	--	--	--	--
08/07/98	173.53	167.01	6.52	110	5.2	<0.5	6.7	<0.5	13	--	--	--	--
11/05/98	173.53	166.58	6.95	160	1.8	<0.5	<0.5	0.53	<2.5	--	--	--	--
03/02/99	173.53	166.97	6.56	119	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	173.53	166.89	6.64	153	3.17	<0.5	0.791	<0.5	<5.0	--	--	--	--
08/24/99	173.53	166.40	7.13	96.2	1.38	<0.5	<0.5	<0.5	14.7	--	--	--	--
11/19/99	173.53	166.92	6.61	209	13.1	1.68	12.3	<0.5	3.79	--	--	--	--
02/03/00	173.53	168.30	5.23	95	1.4	<0.5	<0.5	<0.5	15	--	--	--	--
05/03/00	173.53	166.52	7.01	120[2]	0.92	<0.50	<0.50	<0.50	12	--	--	--	--
07/28/00	173.53	166.45	7.08	100[2]	<0.50	<0.50	<0.50	<0.50	21	--	--	--	--
11/13/00	173.53	169.41	4.12	73.0[3]	1.14	<0.500	<0.500	<0.500	27.0	--	--	--	--
02/15/01	173.53	166.86	6.67	148[4]	2.34	<0.500	<0.500	<0.500	<2.50	--	--	--	--
05/31/01	173.53	166.48	7.05	97[2]	1.5	<0.50	<0.50	<0.50	3.0/2.1[5]	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-1 (cont)													
08/30/01[6]	173.53	166.21	7.32	410	4.8	<0.50	1.4	<0.50	–/<5.0[5]	--	--	--	--
11/29/01	173.53	166.78	6.75	180	5.7	<0.50	2.3	<1.5	<2.5	--	--	--	--
02/05/02	173.53	166.73	6.80	120	1.9	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/16/02[7]	173.53	166.43	7.10	120	1.00	<0.50	<0.50	<1.5	2.9	--	41	<2	300
08/15/02	173.53	166.42	7.11	110	1.7	<0.50	<0.50	<1.5	<2.5	--	--	--	--
11/05/02	173.53	166.20	7.33	130	1.9	<0.50	<0.50	<1.5	<5.0	--	--	--	--
02/05/03	173.53	166.51	7.02	120	1.5	<0.50	<0.50	<1.5	<10	--	--	--	--
05/07/03	173.53	166.89	6.64	110	0.7	<0.5	<0.5	<1.5	<10	--	--	--	--
08/05/03[11]	173.53	166.39	7.14	120	2	<0.5	<0.5	<0.5	4	--	--	--	--
11/17/03[11]	173.53	166.53	7.00	110	<0.5	<0.5	<0.5	<0.5	3	--	--	--	--
02/14/04[11]	173.53	166.55	6.98	92	<0.5	<0.5	<0.5	<0.5	3	--	--	--	--
04/27/04[11]	173.53	166.37	7.16	120	<0.5	<0.5	<0.5	<0.5	5	--	--	--	--
08/17/04[11]	173.53	166.36	7.17	99	<0.5	<0.5	<0.5	<0.5	4	--	--	--	--
11/30/04[11]	173.53	166.42	7.11	120	0.6	<0.5	<0.5	<0.5	4	--	--	--	--
02/18/05[11]	**173.53**	**167.18**	**6.35**	**100**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**4**	**--**	**--**	**--**	**--**
MW-2													
10/29/93	173.91	166.05	7.86	5,600	140	3.2	17	330	--	--	--	--	--
02/25/94	173.91	166.96	6.95	820	41	<0.5	17	5.0	--	--	--	--	--
04/04/94	173.91	166.18	7.73	--	--	--	--	--	--	--	--	--	--
04/29/94	173.91	166.23	7.68	--	--	--	--	--	--	--	--	--	--
06/13/94	173.91	166.20	7.71	1,100	160	0.8	64	2.0	--	<0.5	0.9	<0.5	2.0
06/30/94	173.91	165.87	8.04	--	--	--	--	--	--	--	--	--	--
07/28/94	173.91	165.99	7.92	--	--	--	--	--	--	--	--	--	--
08/31/94	173.91	165.98	7.93	190	7.1	4.1	3.1	1.2	--	<0.5	1.1	<0.5	4.5
11/11/94	173.91	167.08	6.83	440	120	<1.0	18	<1.0	--	--	--	--	--
02/01/95	173.91	167.77	6.14	240	81	<1.0	<1.0	<1.0	--	--	--	--	--
05/18/95	173.91	166.91	7.00	330	74	<0.5	26	1.3	--	--	--	--	--
08/22/95	173.91	166.58	7.33	390	84	<1.0	2.1	<1.0	--	--	--	--	--
11/01/95	173.91	166.54	7.37	190	46	<0.5	1.6	<0.5	<2.5	--	--	--	--
01/26/96	173.91	168.13	5.78	<50	13	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/96	173.91	166.76	7.15	<50	4.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
10/03/96	172.67	166.66	6.01	63	4.3	<0.5	<0.5	<0.5	<2.5	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-2 (cont)													
02/04/97	172.67	167.40	5.27	<50	1.6	<0.5	<0.5	<0.5	<2.5	--	--	--	--
04/30/97	172.67	166.74	5.93	<50	5.4	<0.5	0.8	<0.5	<2.5	--	--	--	--
07/22/97	172.67	166.53	6.14	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/03/97	172.67	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
02/11/98	172.67	167.95	4.72	<50	0.52	0.63	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	172.67	167.07	5.60	<50	1.1	1.2	<0.5	<0.5	<2.5	--	--	--	--
08/07/98	172.67	166.33	6.34	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/05/98	172.67	166.59	6.08	120	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/02/99	172.67	167.41	5.26	67	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	172.67	167.71	4.96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
08/24/99	172.67	165.33	7.34	<50	1.18	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	172.67	166.84	5.83	<50	4.29	0.907	<0.5	<0.5	<2.5	--	--	--	--
02/03/00	172.67	167.24	5.43	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/03/00	172.67	166.81	5.86	100[2]	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
07/28/00	172.67	166.76	5.91	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
11/13/00	172.67	166.69	5.98	82.8[3]	0.825	<0.500	<0.500	<0.500	25.0	--	--	--	--
02/15/01	172.67	167.25	5.42	161[4]	0.808	<0.500	<0.500	<0.500	30.3	--	--	--	--
05/31/01	172.67	166.91	5.76	120[2]	3.0	<0.50	<0.50	<0.50	29/26[5]	--	--	--	--
08/30/01[6]	172.67	166.55	6.12	450	2.2	<0.50	<0.50	<0.50	--/27[5]	--	--	--	--
11/29/01	172.67	167.29	5.38	250	1.3	<0.50	<0.50	<1.5	17	--	--	--	--
02/05/02	172.67	166.97	5.70	190	1.3	<0.50	<0.50	<1.5	7.5	--	--	--	--
05/16/02[8]	172.67	166.63	6.04	230	0.87	<0.50	<0.50	<1.5	5.3	--	35	<2	640
08/15/02	172.67	166.73	5.94	200	2.7	<0.50	<0.50	<1.5	3.3	--	--	--	--
11/05/02	172.67	166.42	6.25	340	<0.50	<0.50	<0.50	<1.5	2.7	--	--	--	--
02/05/03	172.67	166.87	5.80	250	3.1	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/07/03	172.67	167.43	5.24	170	<0.5	<0.5	<0.5	<1.5	<2.5	--	--	--	--
08/05/03[11]	172.67	166.68	5.99	200	2	<0.5	<0.5	<0.5	1	--	--	--	--
11/17/03[11]	172.67	166.84	5.83	270	0.6	<0.5	<0.5	<0.5	2	--	--	--	--
02/14/04[11]	172.67	166.90	5.77	310	0.5	<0.5	<0.5	<0.5	2	--	--	--	--
04/27/04[11]	172.67	166.57	6.10	340	<0.5	<0.5	<0.5	<0.5	3	--	--	--	--
08/17/04[11]	172.67	166.67	6.00	270	2	<0.5	<0.5	<0.5	2	--	--	--	--
11/30/04[11]	172.67	166.76	5.91	370	<0.5	<0.5	<0.5	<0.5	3	--	--	--	--
02/18/05[11]	**172.67**	**167.65**	**5.02**	**300**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**3**	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-3													
10/29/93	172.60	164.96	7.64	110	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/25/94	172.60	166.22	6.38	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
04/04/94	172.60	165.21	7.39	--	--	--	--	--	--	--	--	--	--
04/29/94	172.60	165.62	6.98	--	--	--	--	--	--	--	--	--	--
06/13/94	172.60	165.15	7.45	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	2.0	<0.5	220
06/30/94	172.60	165.05	7.55	--	--	--	--	--	--	--	--	--	--
07/28/94	172.60	164.93	7.67	--	--	--	--	--	--	--	--	--	--
08/31/94	172.60	164.81	7.79	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	1.6	<0.5	320
11/11/94	172.60	165.73	6.87	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--	--
02/01/95	172.60	167.03	5.57	89	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
05/18/95	172.60	165.79	6.81	--	--	--	--	--	--	--	--	--	--
08/22/95	172.60	165.35	7.25	190	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/01/95	172.60	165.70	6.90	--	--	--	--	--	--	--	--	--	--
01/26/96	172.60	167.35	5.25	160	<2.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/96	172.60	165.55	7.05	--	--	--	--	--	--	--	--	--	--
10/03/96	170.47	165.29	5.18	150	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/04/97	170.47	166.27	4.20	88	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
04/30/97	170.47	165.37	5.10	--	--	--	--	--	--	--	--	--	--
07/22/97	170.47	165.15	5.32	180	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/03/97	170.47	165.12	5.35	--	--	--	--	--	--	--	--	--	--
02/11/98	170.47	167.47	3.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	170.47	165.96	4.51	--	--	--	--	--	--	--	--	--	--
08/07/98	170.47	165.26	5.21	110	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/05/98	170.47	165.35	5.12	--	--	--	--	--	--	--	--	--	--
03/02/99	170.47	166.19	4.28	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	170.47	165.82	4.65	--	--	--	--	--	--	--	--	--	--
08/24/99	170.47	164.76	5.71	352	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	170.47	164.64	5.83	--	--	--	--	--	--	--	--	--	--
02/03/00	170.47	165.55	4.92	140	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/03/00	170.47	165.54	4.93	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--	--
07/28/00	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--
11/13/00	170.47	165.29	5.18	--	--	--	--	--	--	--	--	--	--
02/15/01	170.47	166.10	4.37	310[4]	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--
05/31/01	170.47	165.62	4.85	230[2]	<1.0	<1.0	<1.0	<1.0	5.2/2.4[5]	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-3 (cont)													
08/30/01	170.47	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--	--
11/29/01	170.47	166.12	4.35	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--	--
02/05/02	170.47	165.63	4.84	360	<0.50	<0.50	<0.50	<1.5	2.8	--	--	--	--
05/16/02[9]	170.47	165.37	5.10	340	<0.50	<0.50	<0.50	<1.5	3.4	--	37	<2	990
08/15/02	170.47	164.91	5.56	370	<0.50	<0.50	<0.50	<1.5	3.1	--	--	--	--
11/05/02	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--
02/05/03	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--
05/07/03	170.47	166.44	4.03	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--	--
08/05/03[11]	170.47	165.37	5.10	350	<0.5	<0.5	<0.5	<0.5	5	--	--	--	--
11/17/03	170.47	165.52	4.95	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--	--
02/14/04	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--
04/27/04	170.47	165.39	5.08	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--	--
08/17/04[11]	170.47	165.34	5.13	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/30/04	170.47	165.41	5.06	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--	--
02/18/05[11]	**170.47**	**167.04**	**3.43**	**290**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**5**	**--**	**--**	**--**	**--**
MW-4													
10/29/93	170.68	165.18	5.50	640	6.7	3.3	0.6	6.7	--	--	--	--	--
02/25/94	170.68	165.86	4.82	450	20	0.8	12	6.0	--	--	--	--	--
04/04/94	170.68	165.23	5.45	--	--	--	--	--	--	--	--	--	--
04/29/94	170.68	165.45	5.23	--	--	--	--	--	--	--	--	--	--
06/13/94	170.68	165.14	5.54	1,700	130	1.4	100	11	--	22	59	13	180
06/30/94	170.68	165.13	5.55	--	--	--	--	--	--	--	--	--	--
07/28/94	170.68	165.06	5.62	--	--	--	--	--	--	--	--	--	--
08/31/94	170.68	165.00	5.68	800	17	3.5	9.3	4.4	--	25	53	22	510
11/11/94	170.68	165.46	5.22	500	26	<0.5	30	4.3	--	--	--	--	--
02/01/95	170.68	165.12	5.56	1,600	180	<2.0	31	42	--	--	--	--	--
05/18/95	170.68	165.70	4.98	1,300	130	<2.0	140	5.5	--	--	--	--	--
08/22/95	170.68	165.35	5.33	970	50	<1.2	75	<1.2	--	--	--	--	--
11/01/95	170.68	165.28	5.40	320	3.3	<0.5	4.1	<0.5	27	--	--	--	--
01/26/96	170.68	166.40	4.28	1,400	65	<2.5	98	71	100	--	--	--	--
05/08/96	170.68	165.33	5.35	610	28	1.2	58	4.4	70	--	--	--	--
10/03/96	171.70	165.48	6.22	210	4.2	<0.5	<0.5	<0.5	12	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-4 (cont)													
02/04/97	171.70	166.57	5.13	60	4.4	<0.5	<0.5	<0.5	--	--	--	--	--
04/30/97	171.70	165.60	6.10	870	49	<2.0	100	<2.0	18	--	--	--	--
07/22/97	171.70	165.36	6.34	420	16	<0.5	23	<0.5	9.4	--	--	--	--
11/03/97	171.70	165.35	6.35	370	8.1	0.54	10	7.6	30	--	--	--	--
02/11/98	171.70	167.16	4.54	<50	2.0	0.58	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	171.70	166.25	5.45	230	13	2.3	37	4.3	15	--	--	--	--
08/07/98	171.70	166.57	5.13	85	4.8	<0.5	11	0.87	57	--	--	--	--
11/05/98	171.70	165.31	6.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/02/99	171.70	166.65	5.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	171.70	166.40	5.30	<50	0.9	<0.5	0.843	<0.5	<5.0	--	--	--	--
08/24/99	171.70	164.35	7.35	<50	0.893	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	171.70	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
02/03/00	171.70	166.35	5.35	<50	<0.5	<0.5	<0.5	<0.5	2.9	--	--	--	--
05/03/00	171.70	165.72	5.98	110[2]	1.1	<0.50	0.51	<0.50	12	--	--	--	--
07/28/00	171.70	UNABLE TO LOCATE - DUE TO LANDSCAPING					--	--	--	--	--	--	--
11/13/00	171.70	UNABLE TO LOCATE - DUE TO LANDSCAPING					--	--	--	--	--	--	--
02/15/01	171.70	UNABLE TO LOCATE - DUE TO LANDSCAPING					--	--	--	--	--	--	--
05/31/01	171.70	166.62	5.08	<50	0.63	<0.50	<0.50	<0.50	<2.5/<2.0[5]	--	--	--	--
08/30/01[6]	171.70	165.30	6.40	560	3.6	<0.50	21	1.3	--/<5.0[5]	--	--	--	--
11/29/01	171.70	166.05	5.65	210	1.5	<0.50	6.6	<1.5	<5.0	--	--	--	--
02/05/02	171.70	165.83	5.87	71	<0.50	<0.50	1.0	<1.5	<2.5	--	--	--	--
05/16/02[10]	171.70	165.49	6.21	160	<0.50	<0.50	<0.50	<1.5	4.9	--	46	<2	420
08/15/02	171.70	165.49	6.21	150	2.8	<0.50	2.5	<1.5	2.5	--	--	--	--
11/05/02	171.70	165.24	6.46	290	<0.50	<0.50	<0.50	<1.5	6.5	--	--	--	--
02/05/03	171.70	165.64	6.06	68	1.2	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/07/03	171.70	166.68	5.02	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--	--	--
08/05/03[11]	171.70	165.45	6.25	88	0.7	<0.5	2	<0.5	<0.5	--	--	--	--
11/17/03[11]	171.70	165.54	6.16	80	0.9	<0.5	0.9	<0.5	0.9	--	--	--	--
02/14/04[11]	171.70	165.70	6.00	63	<0.5	<0.5	<0.5	<0.5	0.7	--	--	--	--
04/27/04[11]	171.70	165.40	6.30	200	<0.5	<0.5	<0.5	<0.5	5	--	--	--	--
08/17/04[11]	171.70	165.52	6.18	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/30/04[11]	171.70	165.41	6.29	260	2	<0.5	<0.5	<0.5	3	--	--	--	--
02/18/05[11]	**171.70**	**166.73**	**4.97**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
TRIP BLANK													
02/25/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/13/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/31/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/11/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/01/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
05/18/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/22/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/01/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
01/26/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
10/03/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/04/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
04/30/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
07/22/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/11/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
08/07/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/05/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/02/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
08/24/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/03/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/03/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
07/28/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
11/13/00	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--
02/15/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--
05/31/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
08/30/01[6]	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--/<5.0[5]	--	--	--	--
QA													
11/29/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
02/05/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/16/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
08/15/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
QA (cont)													
11/05/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
02/05/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/07/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--	--	--
08/05/03[11]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/17/03[11]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
02/14/04[11]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
04/27/04[11]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
08/17/04[11]	--	--	--	--[12]	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/30/04[11]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
02/18/05[11]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to May 3, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
1,2-DCE = 1,2-Dichloroethene
TCE = Trichloroethene
DCFM = Dichlorodifluoromethane
PCE = Tetrachloroethene
(ppb) = Parts per billion
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank

1 No value for MTBE could be determined; see lab report.
2 Laboratory report indicates discrete peaks.
3 Laboratory report indicates unidentified hydrocarbons C6-C12.
4 Laboratory report indicates single analyte peak(s) are present in the requested fuel quantitation range. Fuel hydrocarbon is not present.
5 MTBE by EPA Method 8260.
6 TPH-G and BTEX by EPA Method 8260.
7 Analyses for trans-1,2-DCE was detected at 3 ppb, and cis-1,2-DCE was detected at 9 ppb.
8 Analyses for trans-1,2-DCE was <1 ppb, and cis-1,2-DCE was detected at 10 ppb.
9 Analyses for trans-1,2-DCE was <1 ppb, and cis-1,2-DCE was detected at 8 ppb.
10 Analyses for trans-1,2-DCE was <1 ppb, and cis-1,2-DCE was detected at 28 ppb.
11 BTEX and MTBE by EPA Method 8260.
12 Laboratory indicates insufficient volume to analyze for TPH-G.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

WELL ID	DATE	METHANOL (ppm)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	05/31/01	<1.000	<500	<20	2.1	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	--	--	--	<5.0	--	--	--	--	--
	08/05/03	--	--	--	4	--	--	--	--	--
	11/17/03	--	--	--	3	--	--	--	--	--
	02/14/04	--	--	--	3	--	--	--	--	--
	04/27/04	--	--	--	5	--	--	--	--	--
	08/17/04	--	--	--	4	--	--	--	--	--
	11/30/04	--	--	--	4	--	--	--	--	--
	02/18/05	--	--	--	4	--	--	--	--	--
MW-2	05/31/01	<1.000	<500	<20	26	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	--	--	--	27	--	--	--	--	--
	08/05/03	--	--	--	1	--	--	--	--	--
	11/17/03	--	--	--	2	--	--	--	--	--
	02/14/04	--	--	--	2	--	--	--	--	--
	04/27/04	--	--	--	3	--	--	--	--	--
	08/17/04	--	--	--	2	--	--	--	--	--
	11/30/04	--	--	--	3	--	--	--	--	--
	02/18/05	--	--	--	3	--	--	--	--	--
MW-3	05/31/01	<1.000	<500	<20	2.4	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	INACCESSIBLE - TRUCK PARKED OVER WELL				--	--	--	--	--
	08/05/03	--	--	--	5	--	--	--	--	--
	11/17/03	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--	--
	08/17/04	--	--	--	<0.5	--	--	--	--	--
	02/18/05	--	--	--	5	--	--	--	--	--
MW-4	05/31/01	<1.000	<500	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	--	--	--	<5.0	--	--	--	--	--
	08/05/03	--	--	--	<0.5	--	--	--	--	--
	11/17/03	--	--	--	0.9	--	--	--	--	--
	02/14/04	--	--	--	0.7	--	--	--	--	--

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

WELL ID	DATE	METHANOL (ppm)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-4	04/27/04	--	--	--	5	--	--	--	--	--
(cont)	08/17/04	--	--	--	<0.5	--	--	--	--	--
	11/30/04	--	--	--	3	--	--	--	--	--
	02/18/05	--	--	--	**<0.5**	--	--	--	--	--

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = Ethylene dibromide
(ppm) = Parts per million
(ppb) = Parts per billion
– = Not Analyzed

ANALYTICAL METHODS:

EPA Method 8015 (Modified) for Methanol
EPA Method 8260 for Oxygenate Compounds

Client Number: 020105001
Contract Number: 6CSW25243X
Facility Number: 9-4930
Project ID: 3369 Castro Valley Blvd.
Work Order Number: C4-03-0016

Table 1

ANALYTICAL RESULTS

Purgeable Halocarbons In Water

EPA Method 601[a]

GTEL Sample Number		03	05	07	09
Client Identification		MW-1	MW-2	MW-3	MW-4
Date Sampled		02/25/94	02/25/94	02/25/94	02/25/94
Date Analyzed		03/02/94	03/02/94	03/02/94	03/02/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Chloromethane	0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	0.5	<0.5	<0.5	<0.5	<0.5
Vinyl chloride	1	<1	<1	<1	<1
Chloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethene	0.5	0.8	<0.5	<0.5	13
Chloroform	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	0.5
Trichloroethene	0.5	8	<0.5	1	51
Dichlorodifluoromethane	0.5	9	<0.5	<0.5	5
Dibromochloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinyl ether	1	<1	<1	<1	<1
Bromoform	0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	0.5	41	0.6	170	400
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		114	108	124	125

a. Federal Register, Vol. 49, October 26, 1984. BFB surrogate recovery acceptability limits are 65-135%.

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3822737

Collected:05/16/2002 15:31 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00
Reported: 06/03/2002 at 14:41
Discard: 07/04/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-3-W-020516 Grab Water
Facility# 94930 Job# 386509 GRD
3369 CASTRO VALLEY T0600100137 MW-3

M3516

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	340.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	3.4	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.					
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	8.	1.	ug/l	1
05403	Trichloroethene	79-01-6	37.	1.	ug/l	1
05409	Tetrachloroethene	127-18-4	990.	8.0	ug/l	10

State of California Lab Certification No. 2116

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

TABLE 2

SOIL VAPOR SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION 9-4930
3369 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

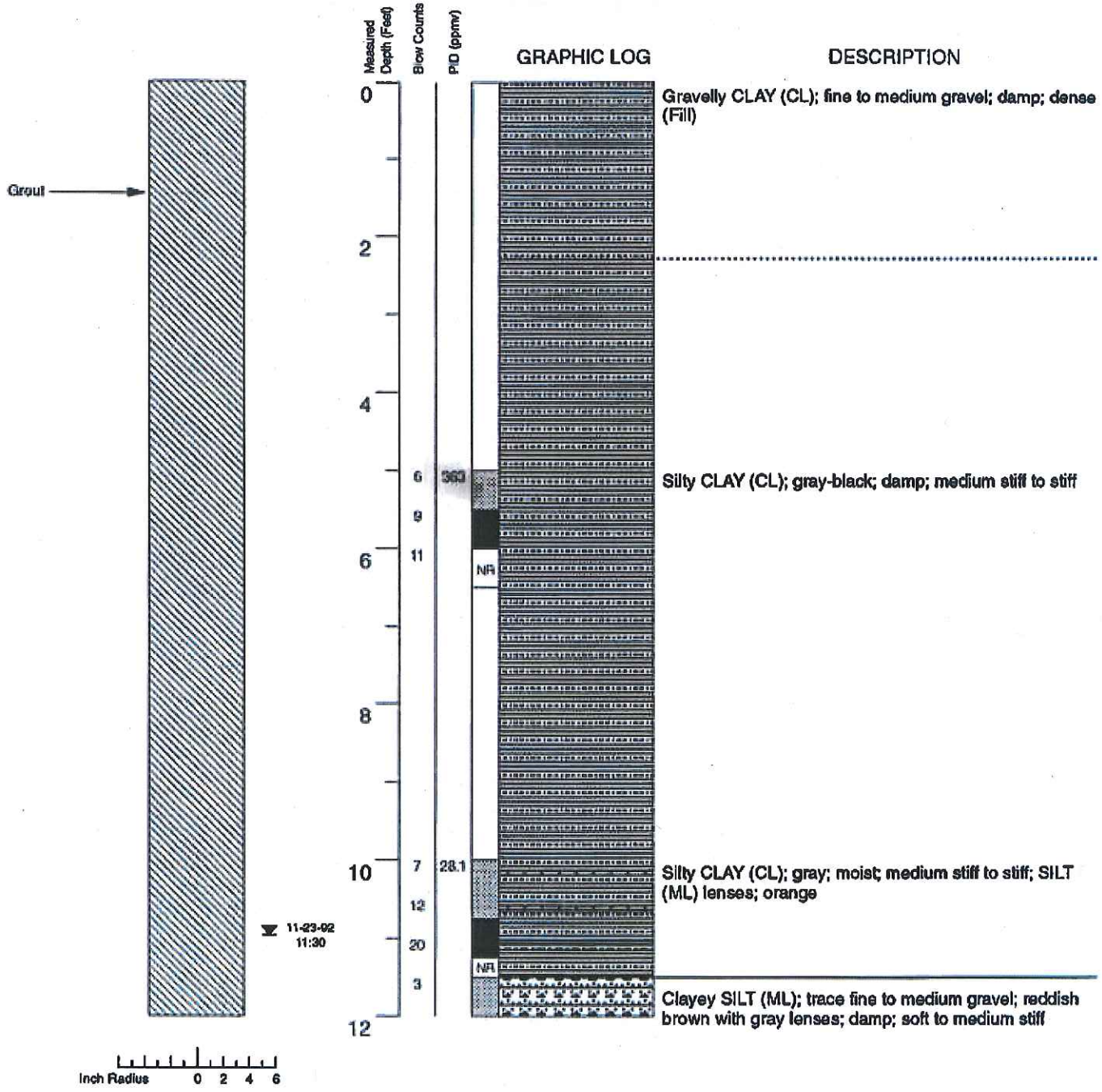
Sample ID	*Date Sampled*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*m,p-Xylenes*	*o-Xylenes*	*MTBE*	*Oxygen*	*Helium*	*Carbon Dioxide*	*Methane*
		← Concentrations reported in micrograms per cubic meter ($\mu g/m^3$) →							← Reported in percent →			
VP-1	10/27/10	440	4.8	<4.6	<5.2	<5.2	<5.2	<4.4	17	<0.12	2.8	<0.00024
VP-2	10/27/10	20,000	<43	<51	<58	<58	<58	<48	16	<0.13	4.3	<0.00027
VP-3	10/27/10	1,400	<4.0	<4.7	<5.5	<5.5	<5.5	<4.5	19	<0.13	1.9	<0.00025
Dupe	10/27/10	21,000	<43	<51	<58	<58	<58	<48	16	<0.13	4.4	<0.00027
Commercial ESL		29,000	280	180,000	3,300	58,000[a]		31,000				

Abbreviations and Methods:

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method TO-3
Benzene, toluene, ethylbenzene, and xylenes by EPA Method TO-15
MTBE = Methyl tertiary butyl ether by EPA Method TO-15
Oxygen, helium, carbon dioxide and methane by ASTM Method D-1946
< = Not detected at or above stated laboratory reporting limit
Dupe = Field duplicate sample of VP-2
ESL = Environmental Screening Level for shallow soil gas associated with vapor intrusion concerns at commercial/industrial sites-RWQCB May 2008 (Table E)
a = ESL is for total xylenes

ATTACHMENT 5

ATTACHMENT 6



continues

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	14.0 feet

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

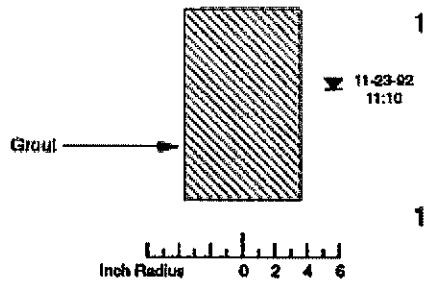
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-1

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-1**



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
12	7			Clayey SILT (ML); trace fine to medium gravel; reddish brown with gray lenses; damp; soft to medium stiff
	7			
14				TD @ 14.0 ft.
16				
18				
20				
22				
24				
26				

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample

- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

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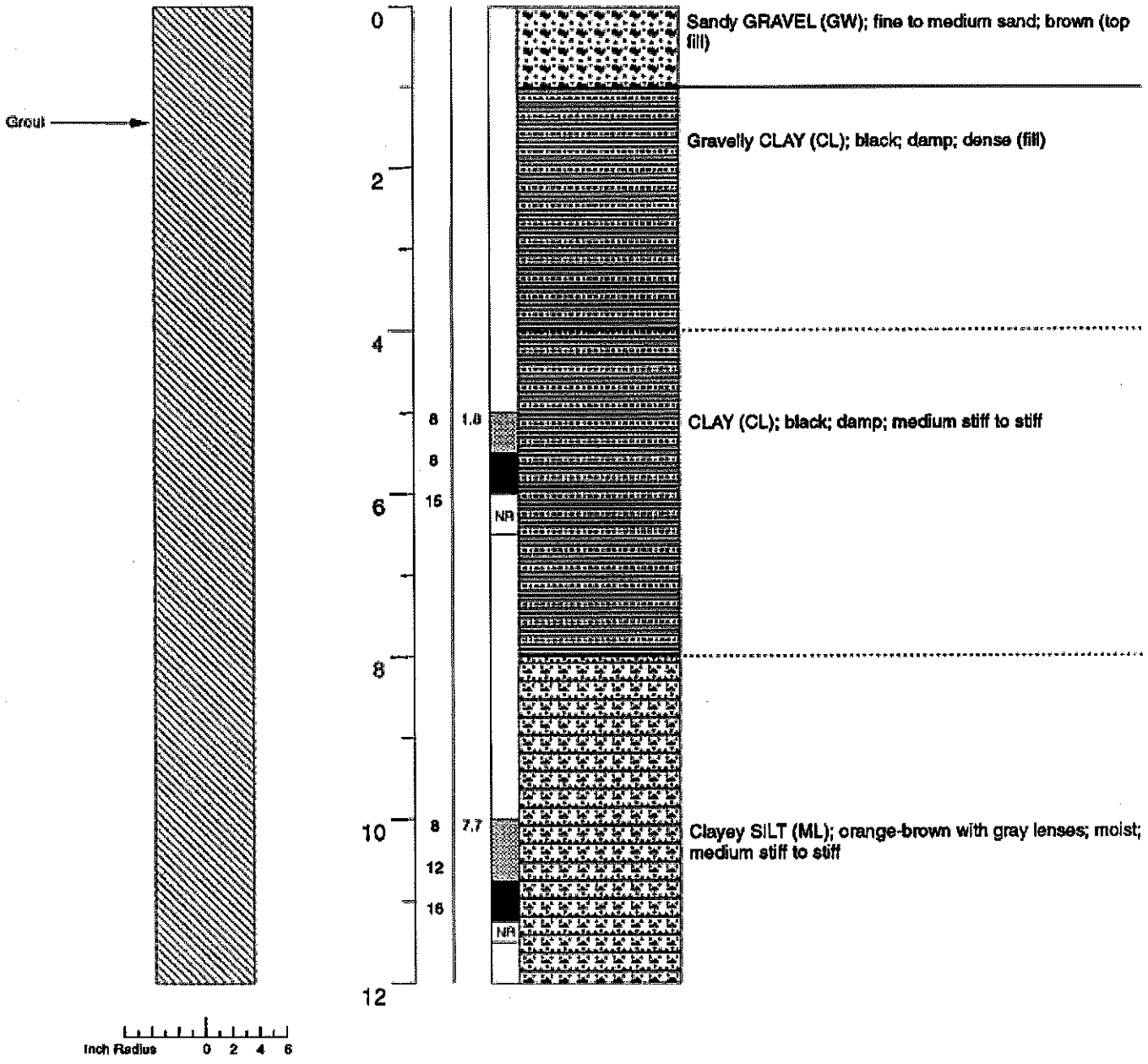
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-1

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-1**



continues

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	14.0 feet

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

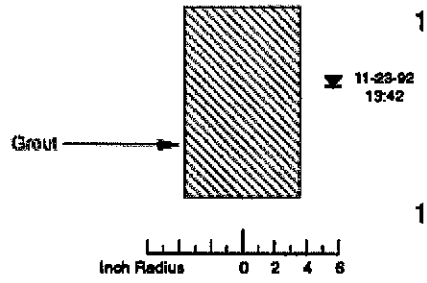
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-2

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-2**



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
12				Clayey SILT (ML); orange-brown with gray lenses;moist; medium stiff to stiff
14				TD @ 14.0 ft.
16				
18				
20				
22				
24				
26				

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

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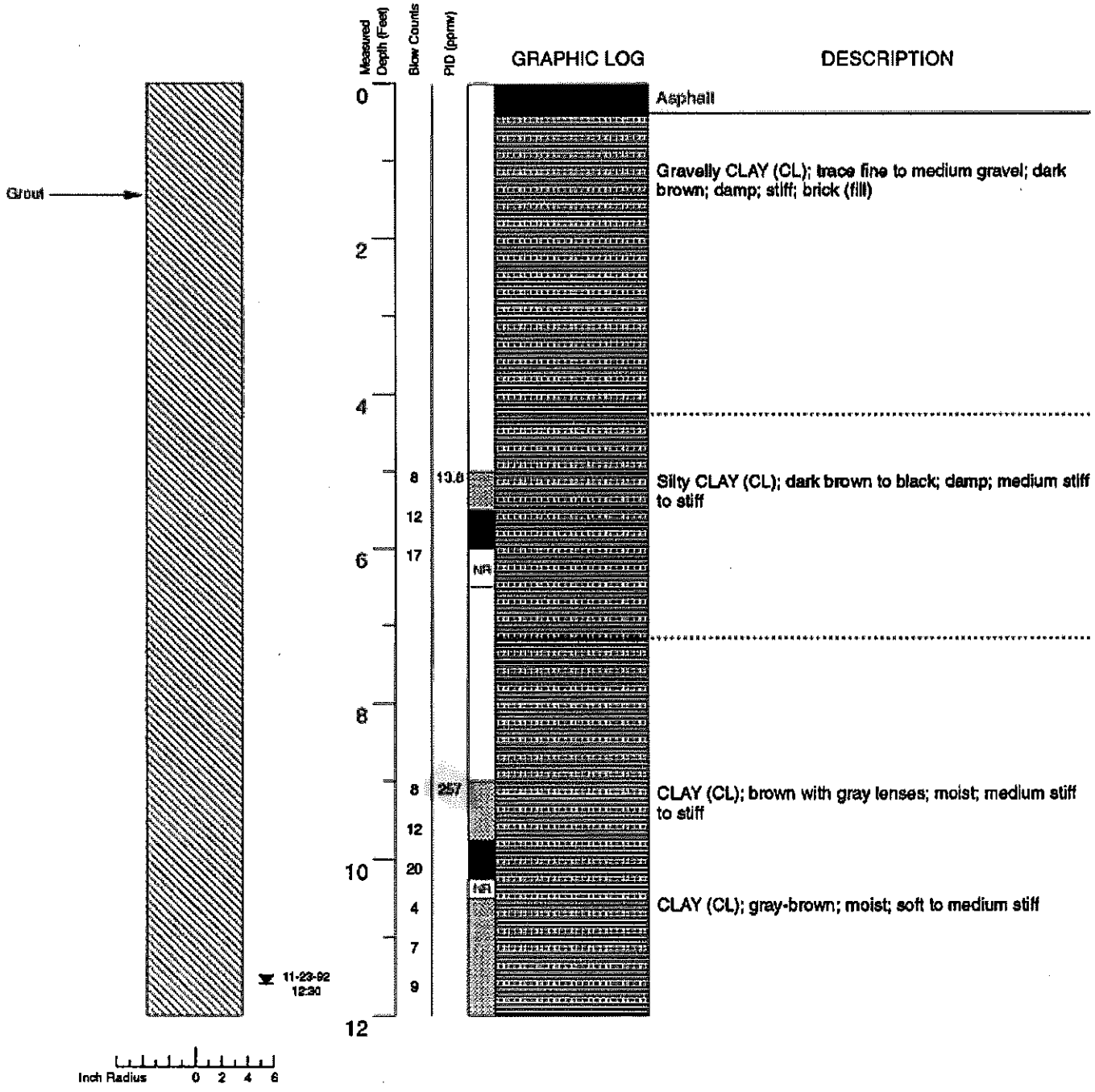
PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-2

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-2**



continues

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	14.0 feet

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

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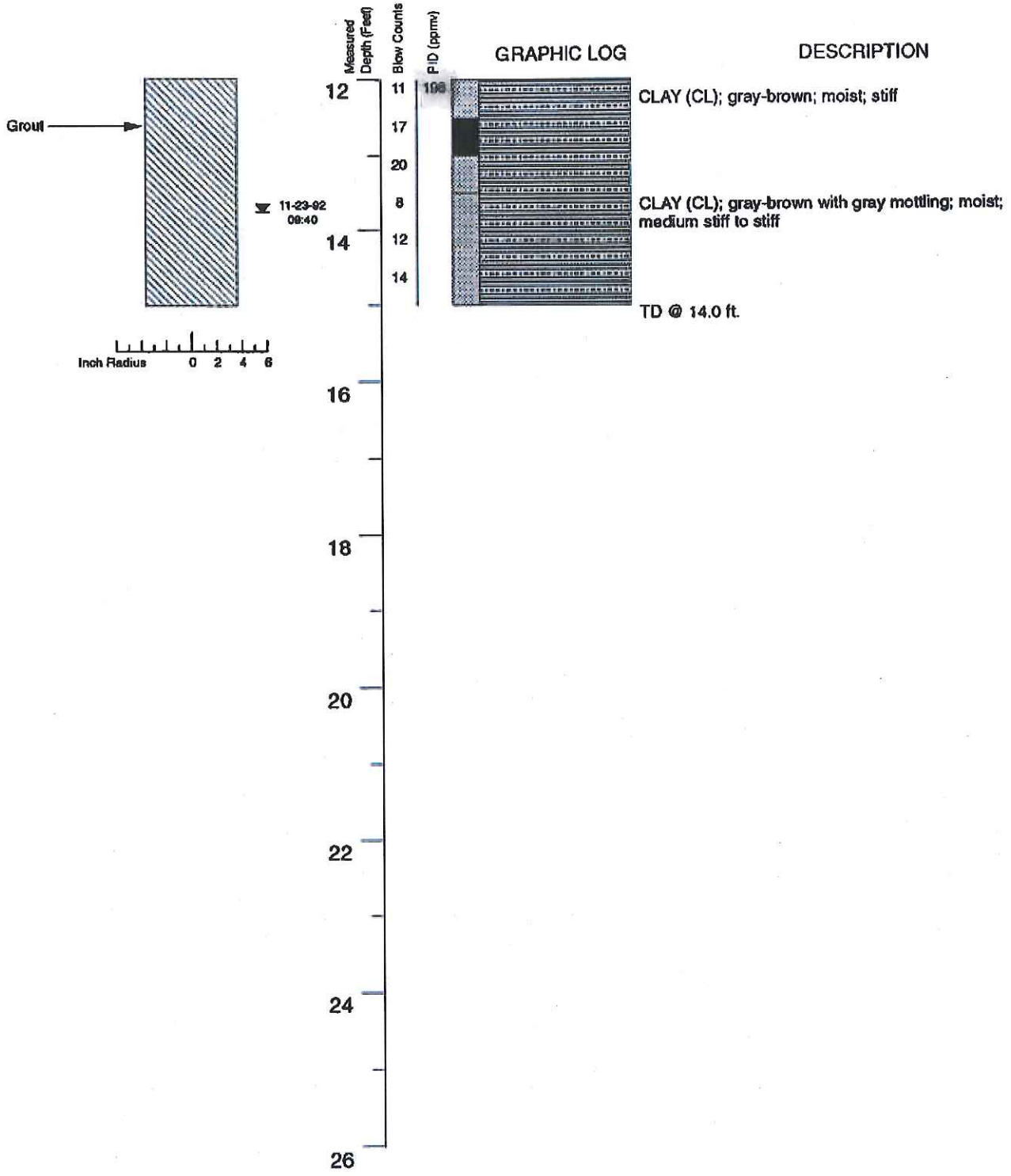
PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-3

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-3**



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample

- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

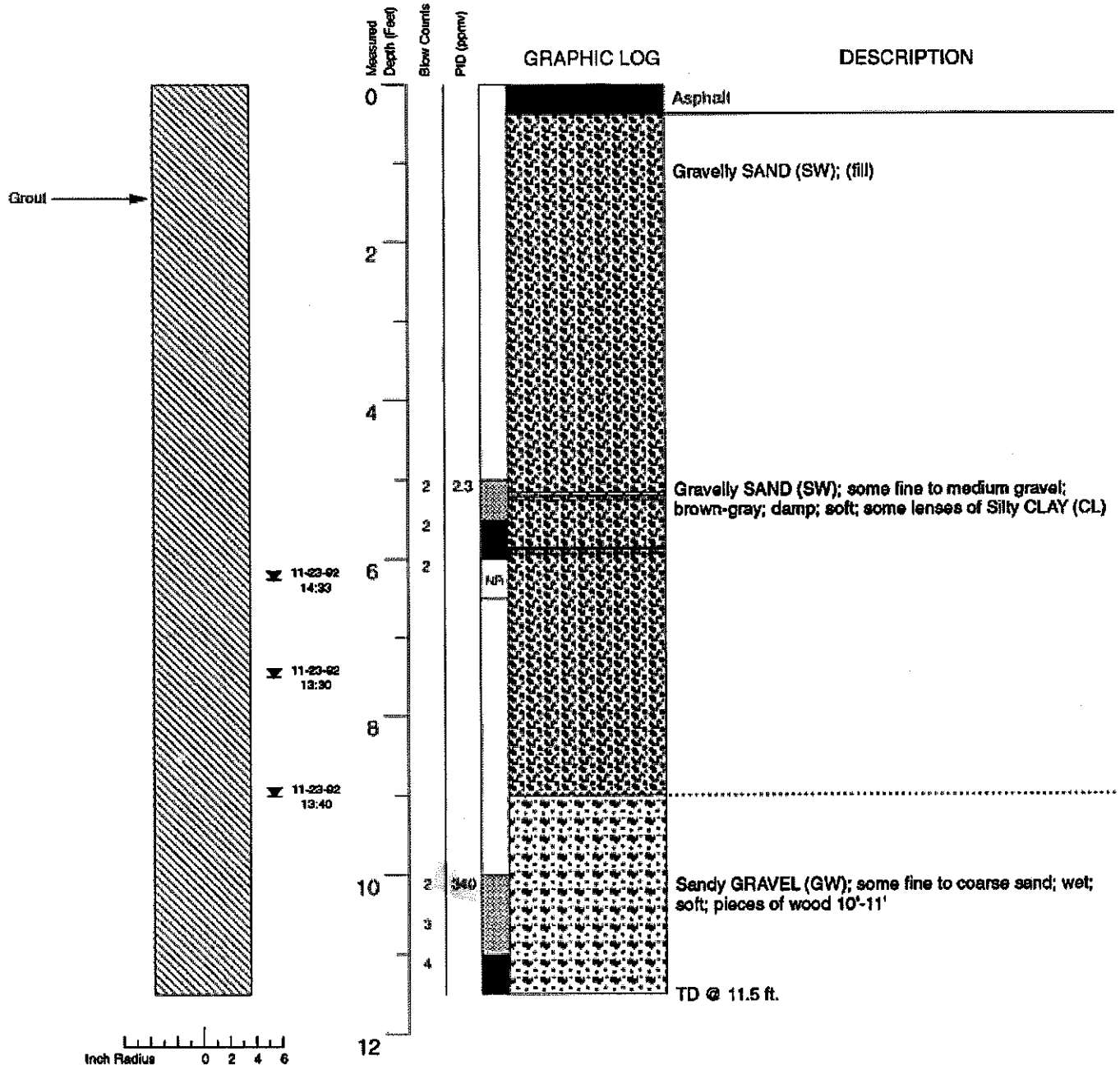
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-3

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-3**



Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.5 feet

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

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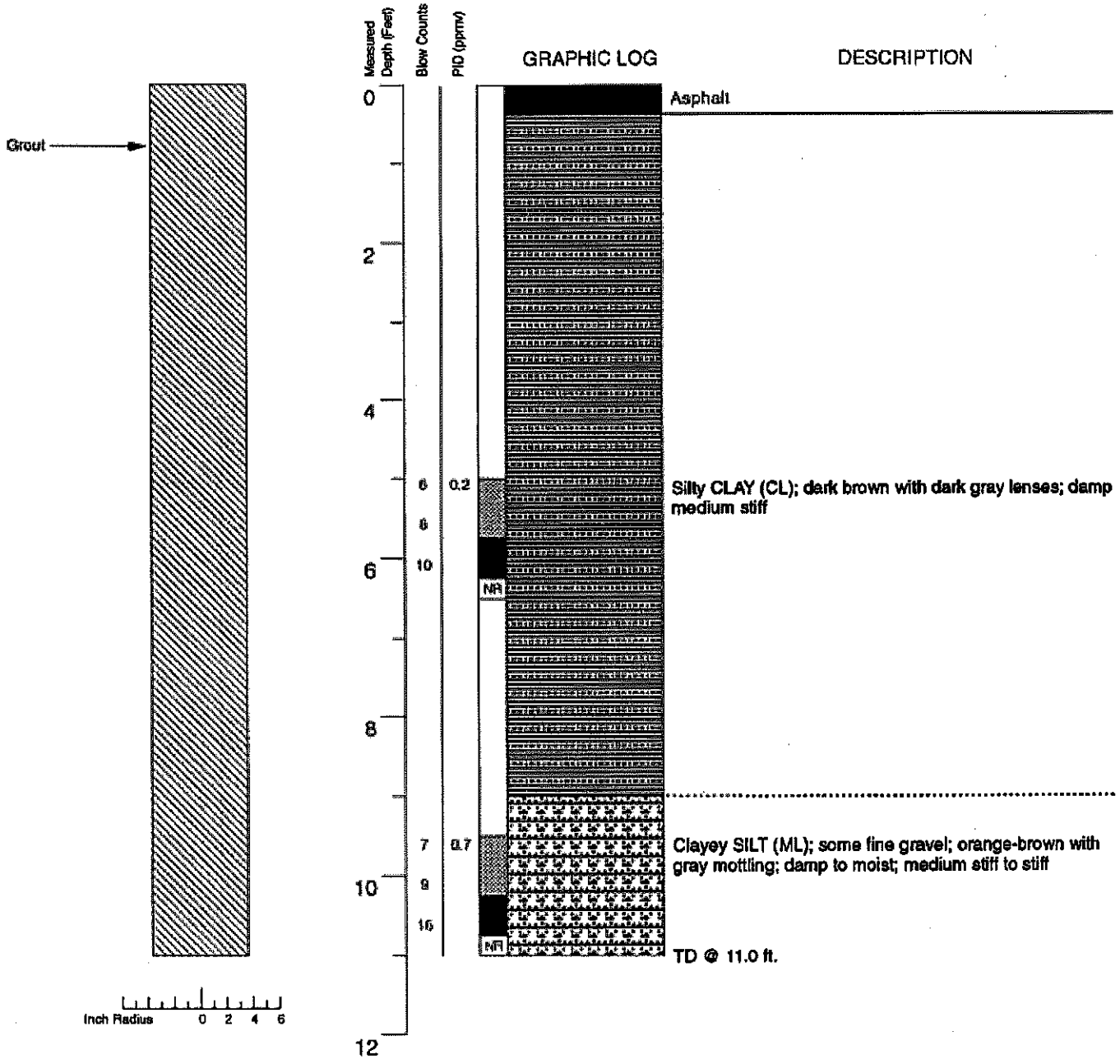
PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-4

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-4**



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.0 feet

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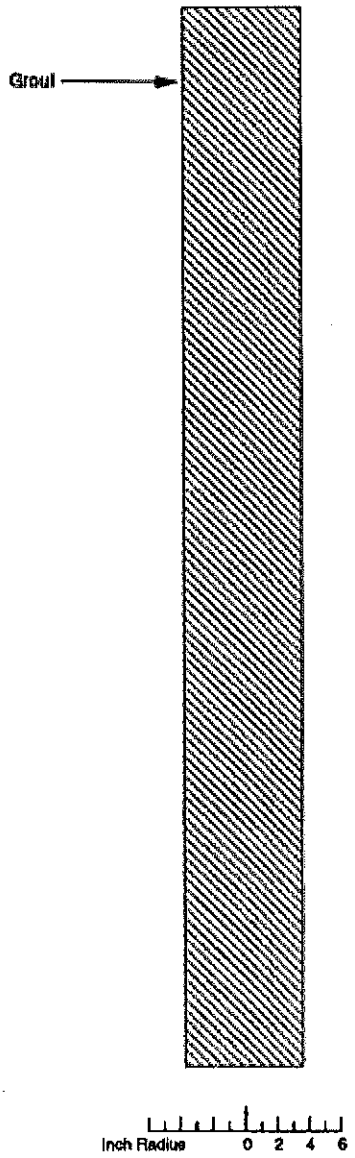
PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-5

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-5**



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
0				Asphalt
				Gravelly CLAY (CL); fine to medium gravel; black; damp (fill)
2				CLAY (CL); black; damp; very stiff
4				
	6	2.1		Silty CLAY (CL); gray-black; damp; medium stiff to stiff
	9			
6	12	NR		
8				
	7	2.0		Silty CLAY (CL); trace fine to medium gravel; brown-gray; damp; medium stiff to stiff
10	9			
	16	NR		TD @ 11.0 ft.
12				

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.0 feet

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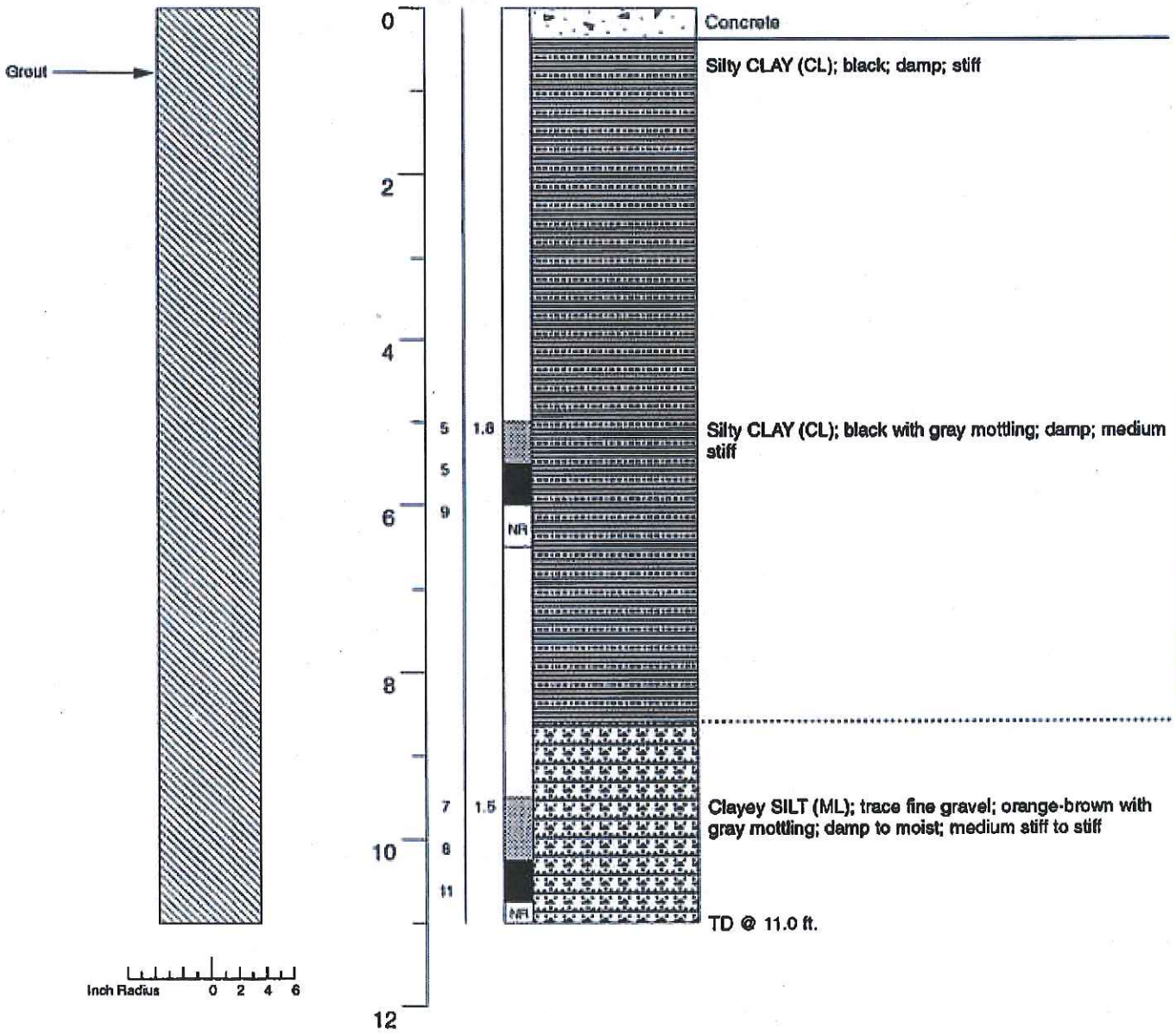
PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-6

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-6**



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.0 feet

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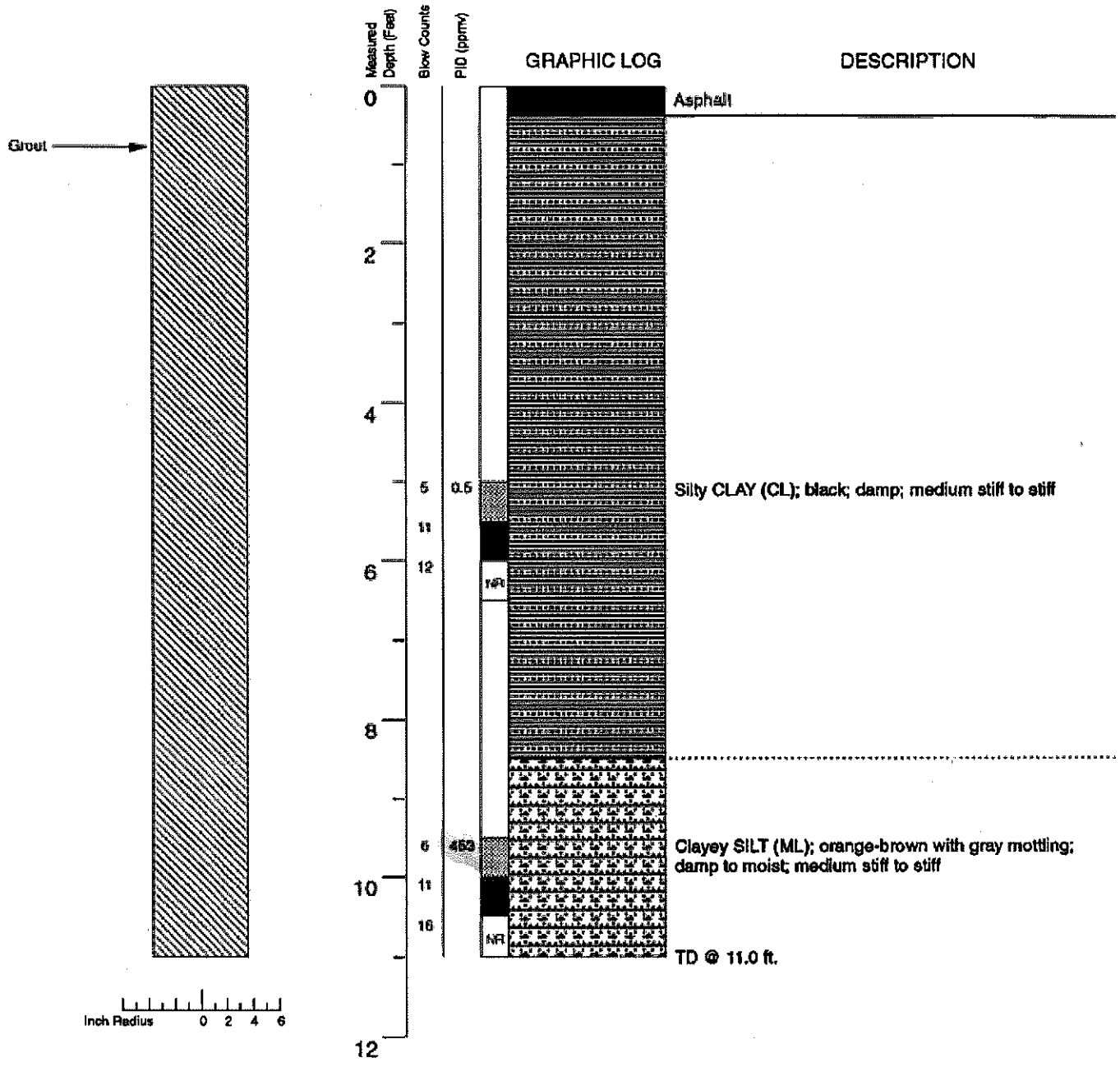
PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-7

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING

B-7



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.0 feet

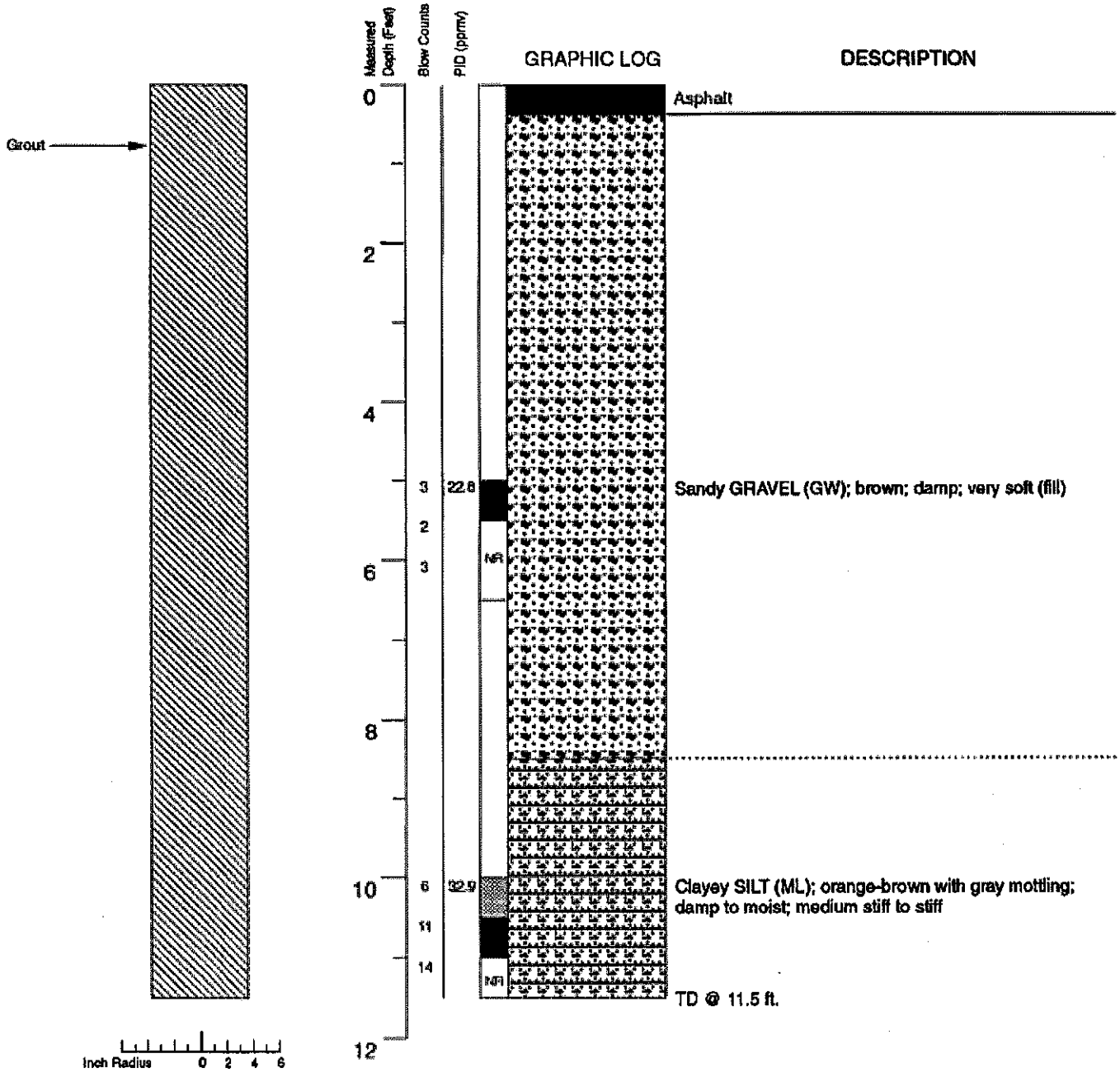
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-8

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-8**



Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.5 feet

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

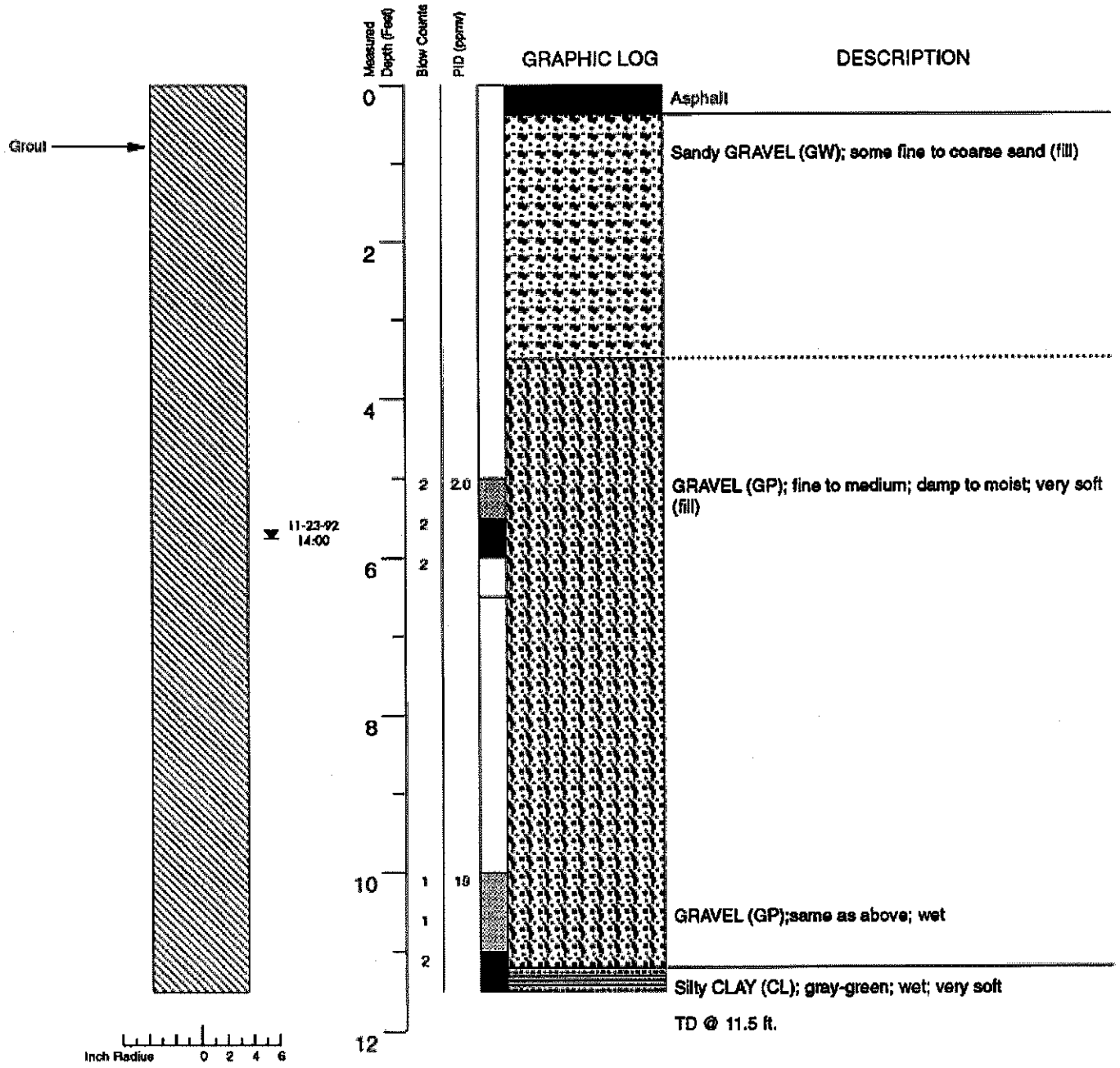
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring B-9

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-9**



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	Kvilhaug
Drilling Method:	7.25" Hollow Stem Auger
Driller:	Mike Crocker
Well Head Completion:	none
Type of Sampler:	2.5" split barrel
TD (Total Depth):	11.5 feet

RESNA

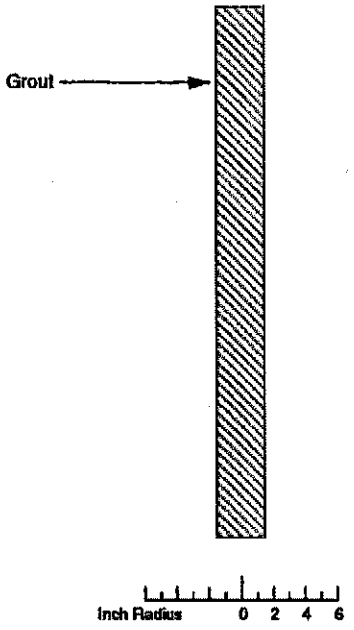
PROJECT NO. 17068.01 | 12/92

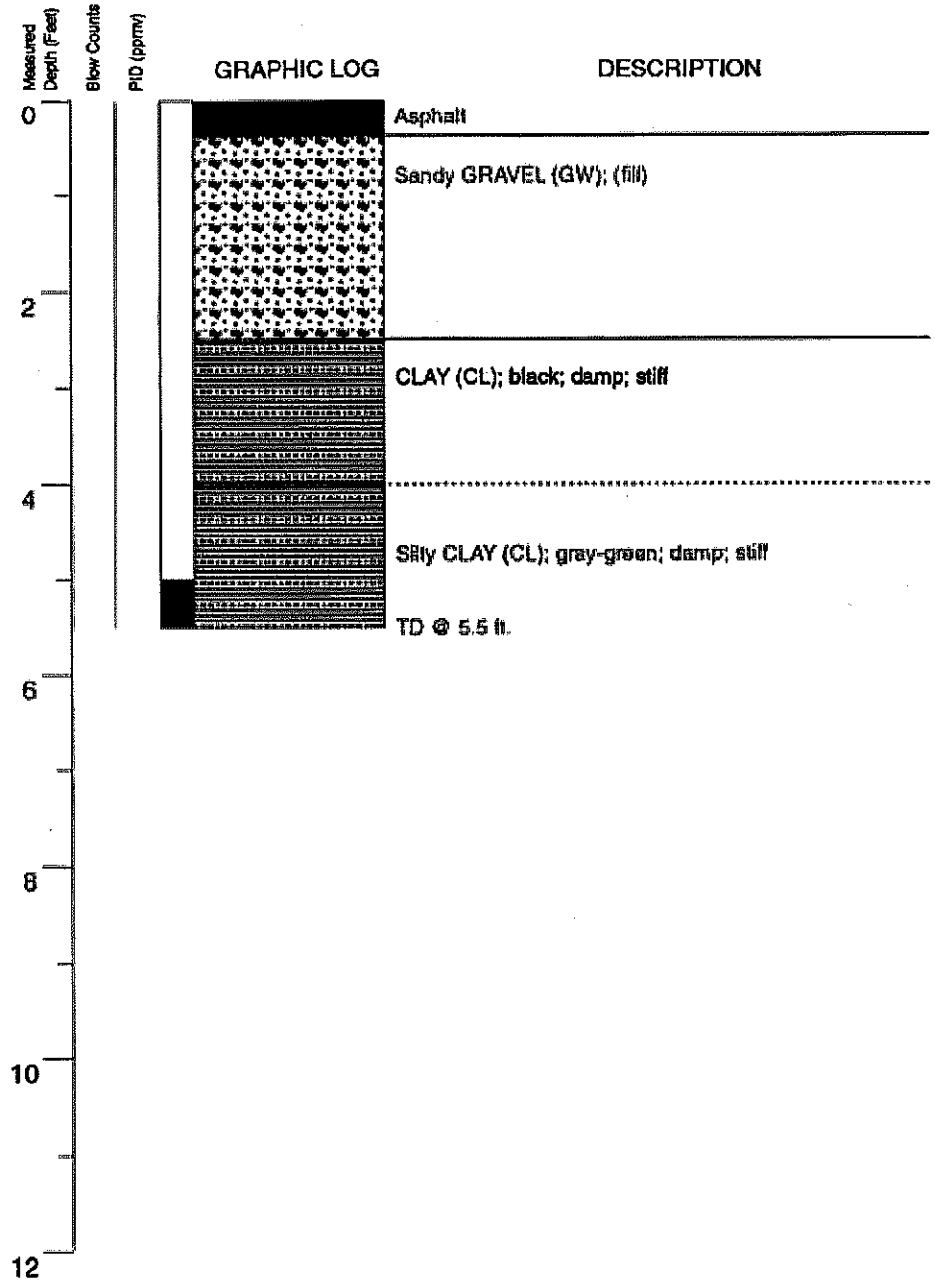
BORING LOG—Boring B-10

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING

B-10





EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	RESNA
Drilling Method:	3" Hand Auger
Driller:	Erich Neupert
Well Head Completion:	none
Type of Sampler:	Slide hammer
TD (Total Depth):	5.5 feet

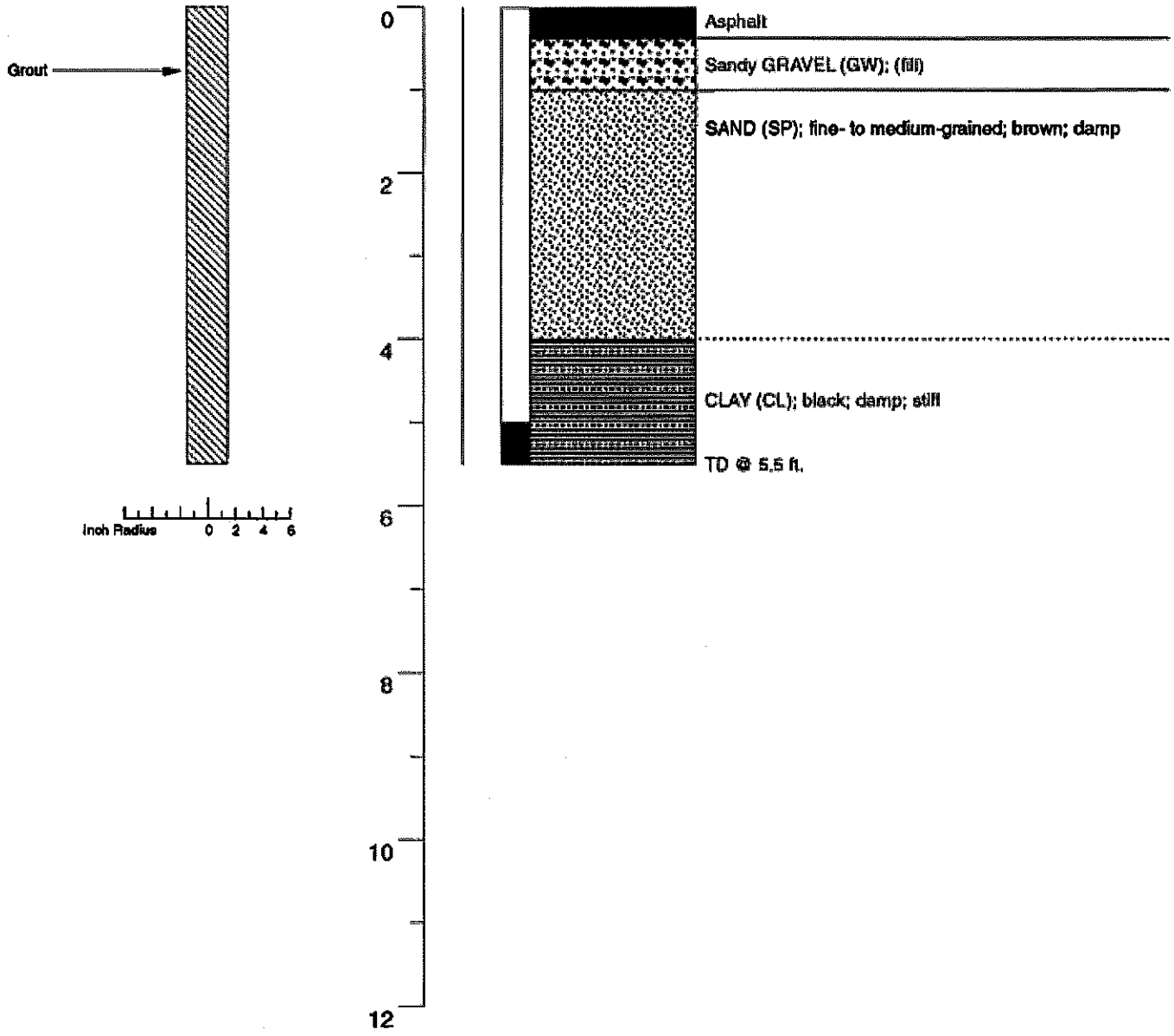
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring H-1

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **H-1**



Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	RESNA
Drilling Method:	3" Hand Auger
Driller:	Erich Neupert
Well Head Completion:	none
Type of Sampler:	Slide hammer
TD (Total Depth):	5.5 feet

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

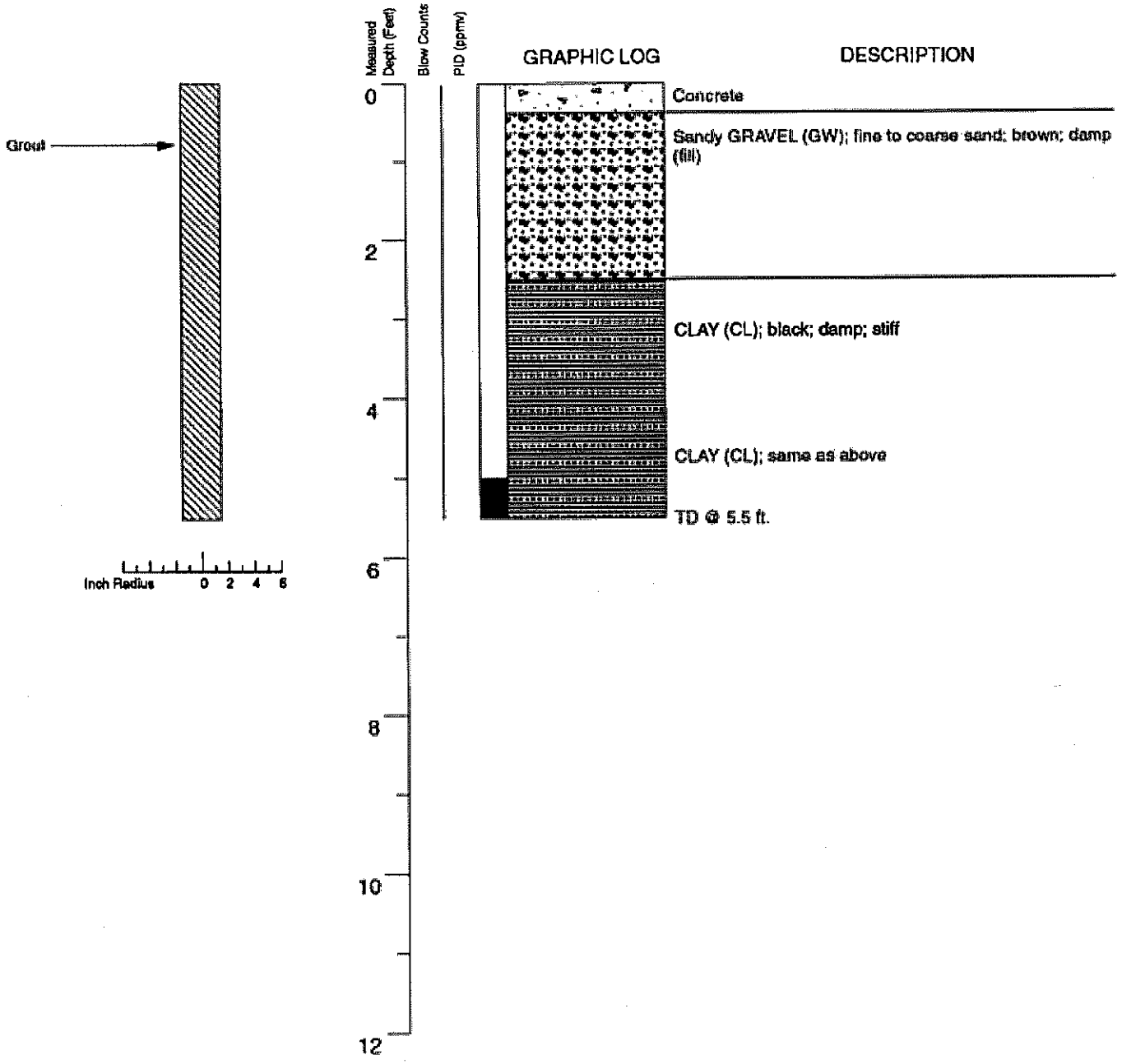
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring H-2

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **H-2**



Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	RESNA
Drilling Method:	3" Hand Auger
Driller:	Erich Neupert
Well Head Completion:	none
Type of Sampler:	Slide hammer
TD (Total Depth):	5.5 feet

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

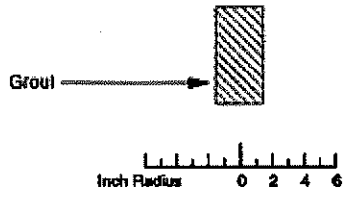
RESNA

BORING LOG—Boring H-3

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **H-3**

PROJECT NO. 17068.01 | 12/92



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
0				Concrete
0.2				Sandy GRAVEL (GW); (fill)
				TD @ 1.0 ft.
2				
4				
6				
8				
10				
12				

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	RESNA
Drilling Method:	3" Hand Auger
Driller:	Erich Neupert
Well Head Completion:	none
Type of Sampler:	Slide hammer
TD (Total Depth):	1.0 feet

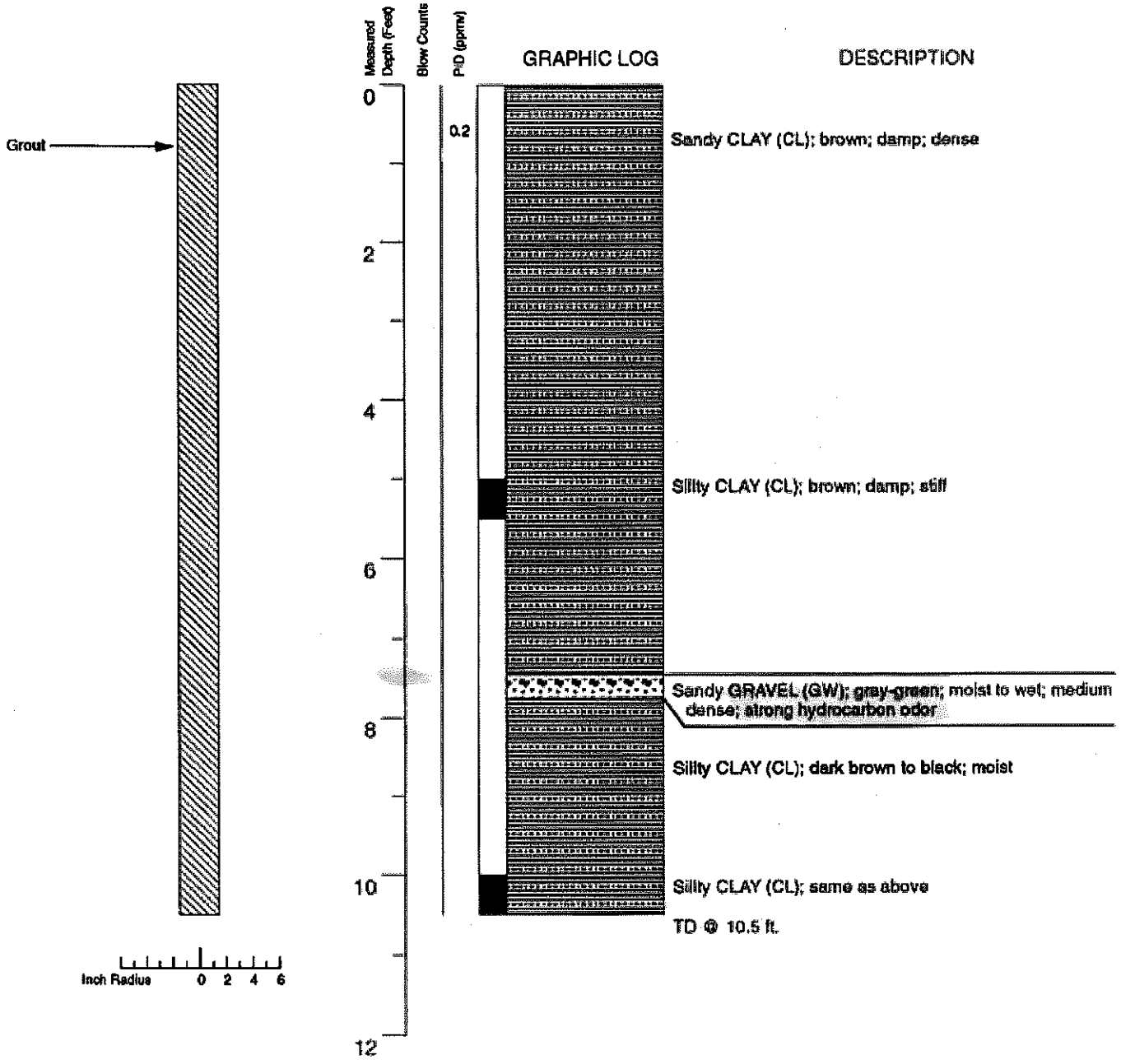
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring H-4

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **H-4**



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample

est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary

NR — No recovery

Water level during drilling

Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/24/92
Drilling Company:	RESNA
Drilling Method:	3" Hand Auger
Driller:	Erich Neupert
Well Head Completion:	none
Type of Sampler:	Slide hammer
TD (Total Depth):	10.5 feet

RESNA

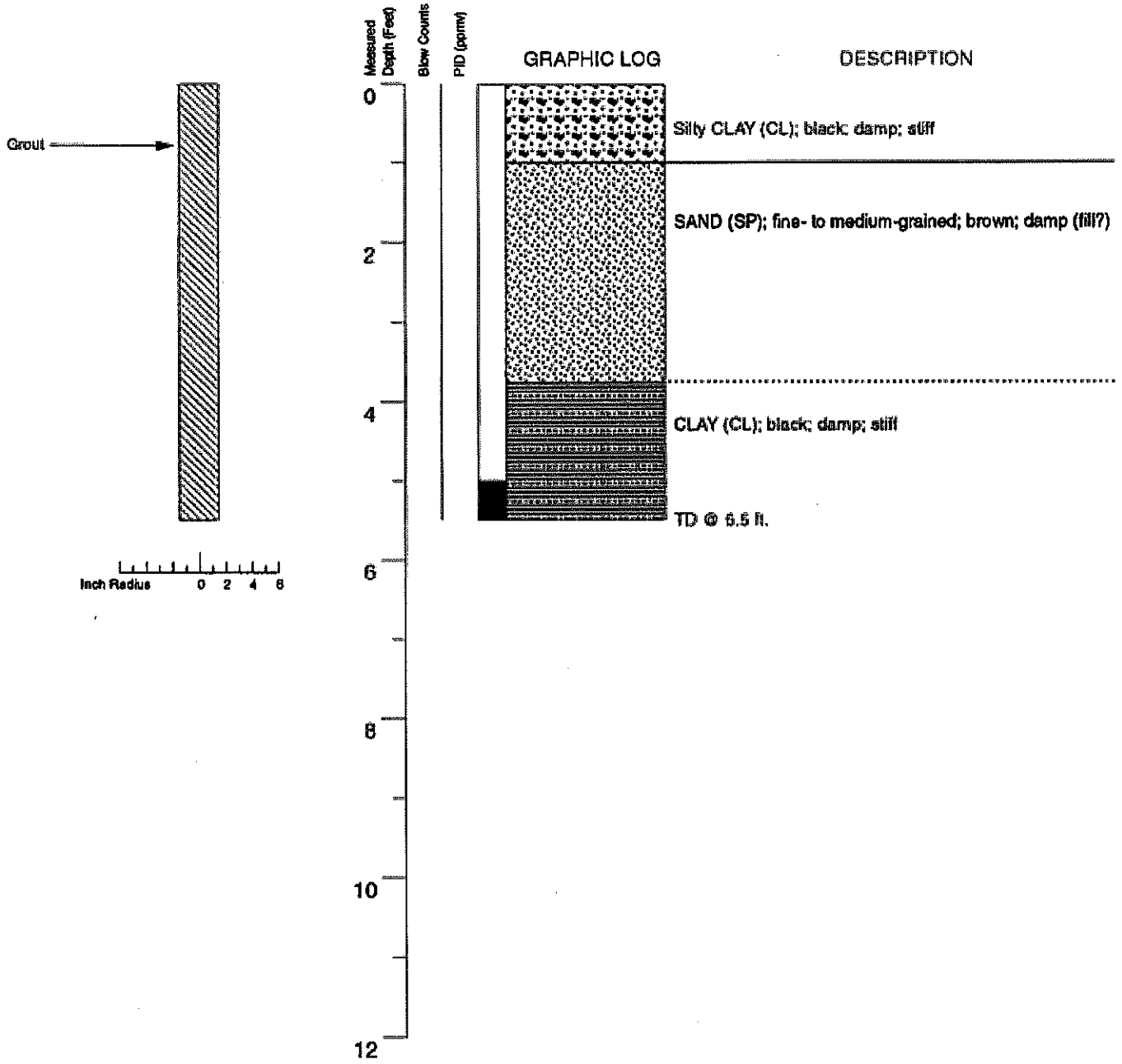
PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring H-5

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING

H-5



Logged by:	Erich Neupert
Project Mgr:	Barry Marcus
Dates Drilled:	11/23/92
Drilling Company:	RESNA
Drilling Method:	3" Hand Auger
Driller:	Erich Neupert
Well Head Completion:	none
Type of Sampler:	Slide hammer
TD (Total Depth):	5.5 feet

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

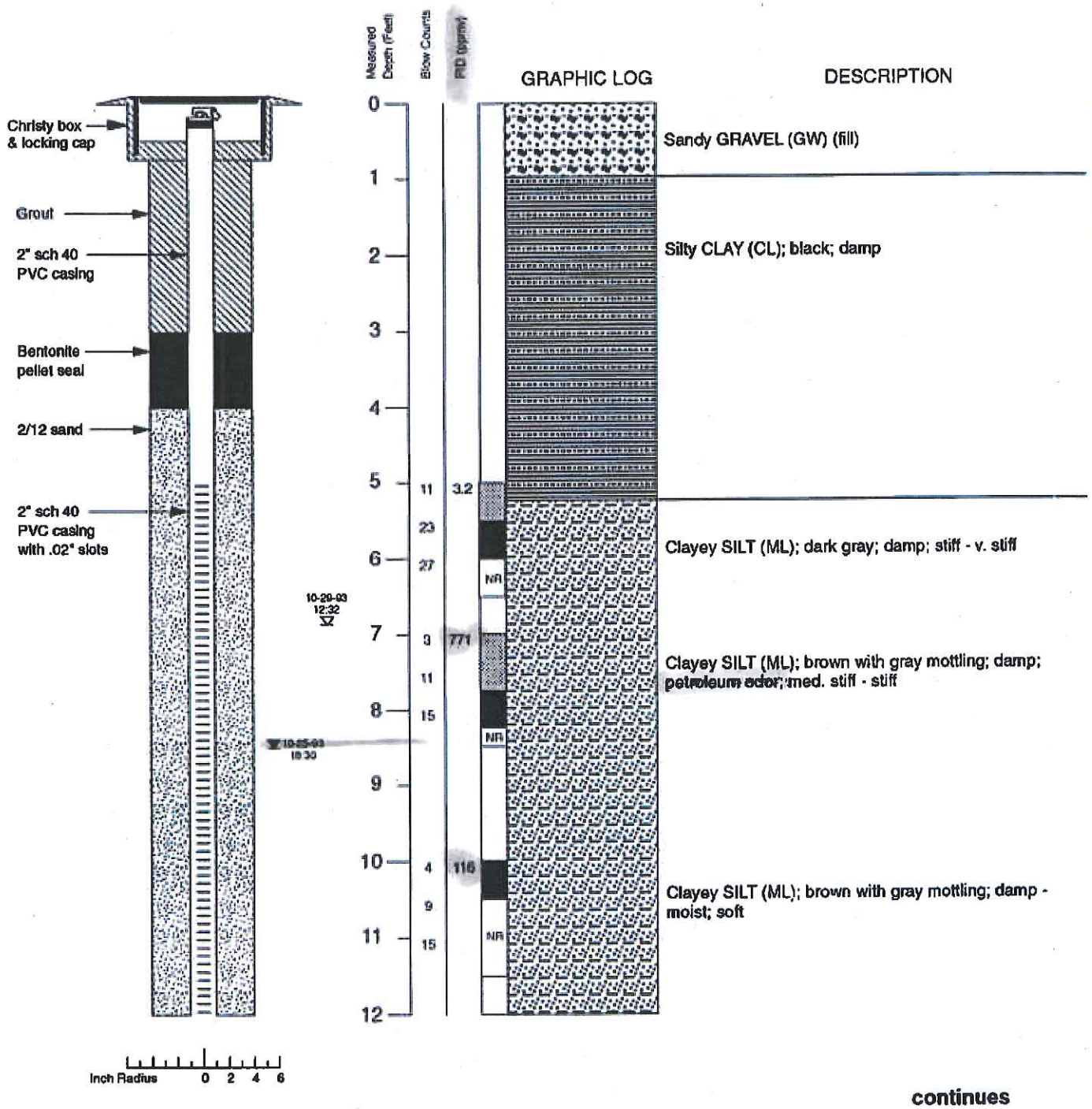
RESNA

PROJECT NO. 17068.01 | 12/92

BORING LOG—Boring H-6

Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **H-6**



continues

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Justin Power
Dates Drilled:	10/25/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	Christy box & locking cap
Type of Sampler:	1½" 2½" split spoon
TD (Total Depth):	20.5 feet

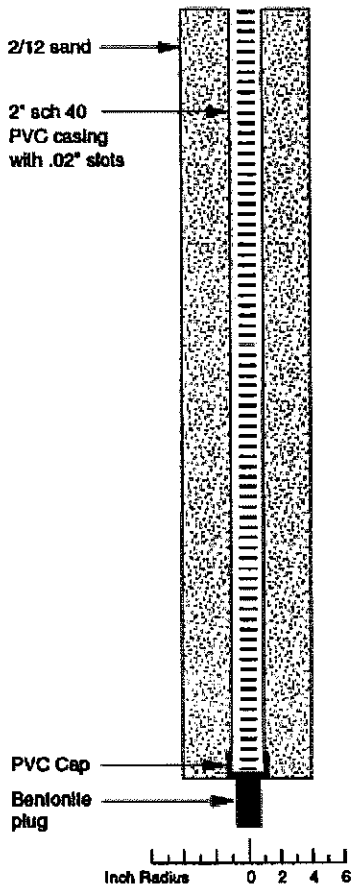
RESNA

PROJECT NO. 17068.02 | 11/93

BORING LOG—Boring B-11 (Monitoring Well [redacted])

Former Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-11**



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
12				
13				
14				
15	3	0.3		Clayey SILT (ML); brown; moist; tr. f-gravels; soft - med. stiff
	6			
16				
17				
18				
19				
20	4			TD @ 20.5 ft.
21				
22				
23				
24				
25				
26				
27				

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample

- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

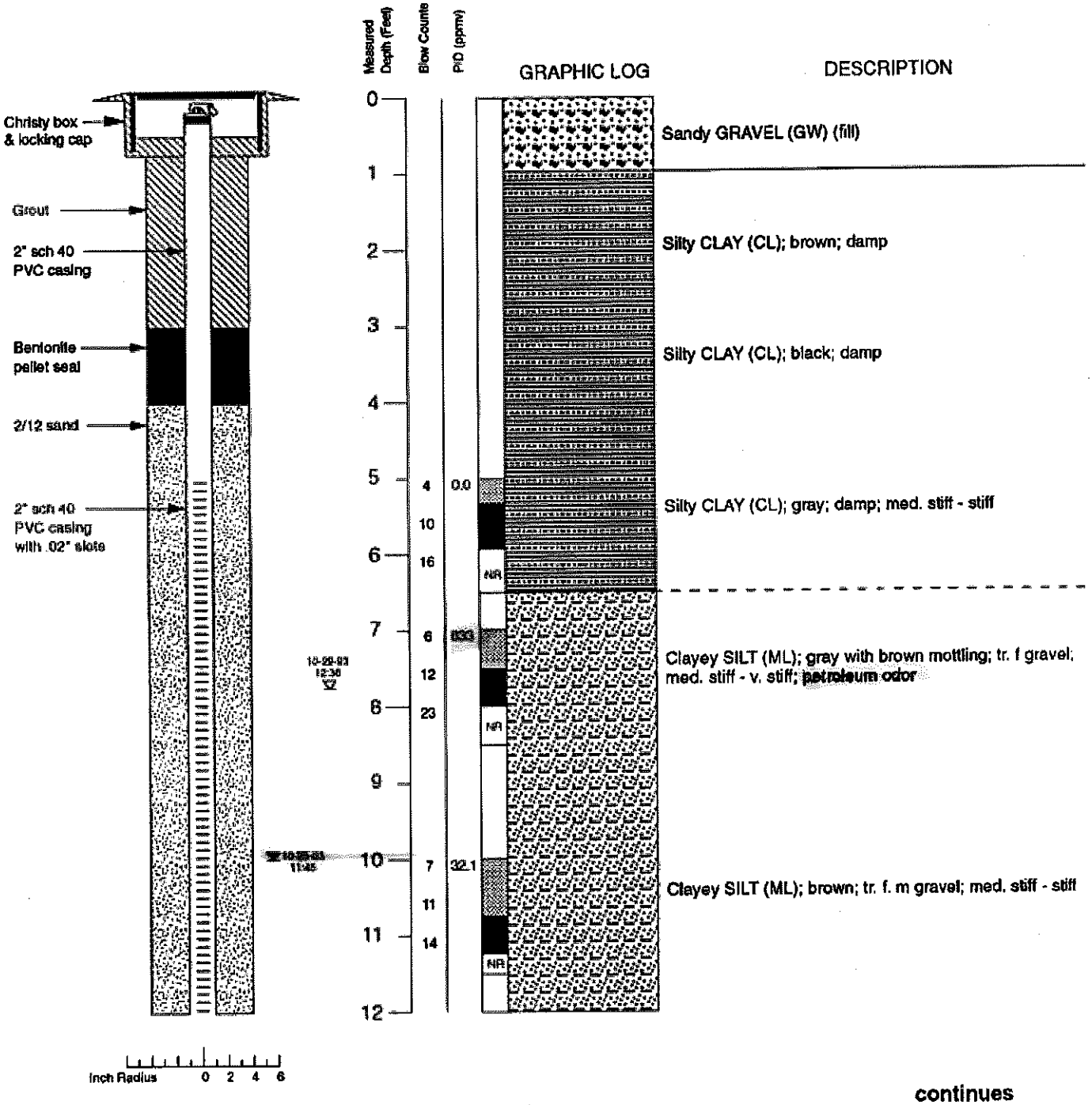
RESNA

PROJECT NO. 17068.02 | 11/93

BORING LOG—Boring B-11 (Monitoring Well MW-1)

Former Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-11**



continues

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Justin Power
Dates Drilled:	10/25/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	Christy box & locking cap
Type of Sampler:	1½" 2½" split spoon
TD (Total Depth):	21.5 feet

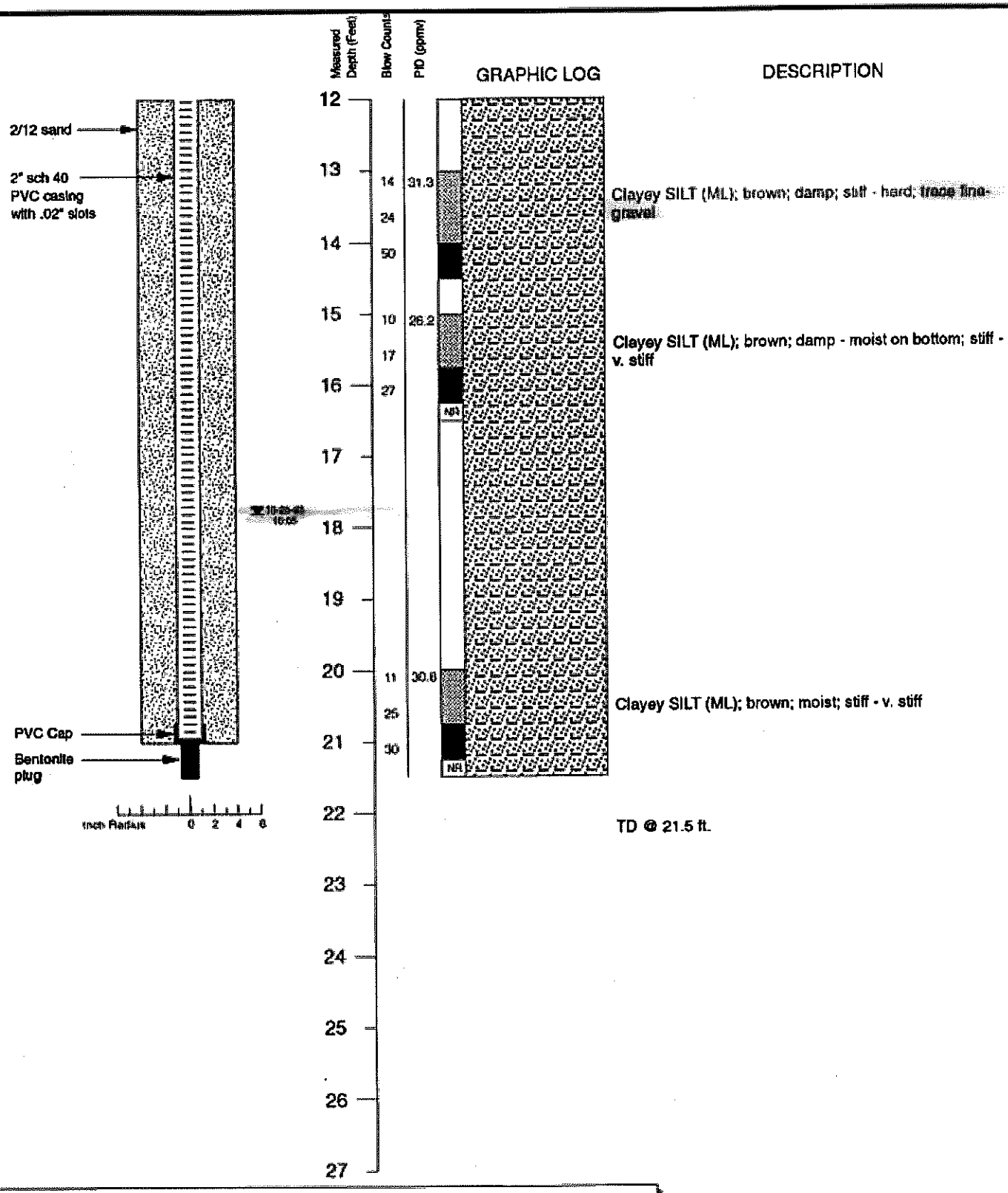
RESNA

PROJECT NO. 17068.02 | 11/93

BORING LOG—Boring B-12 (Monitoring Well MW-2)

Former Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-12**



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

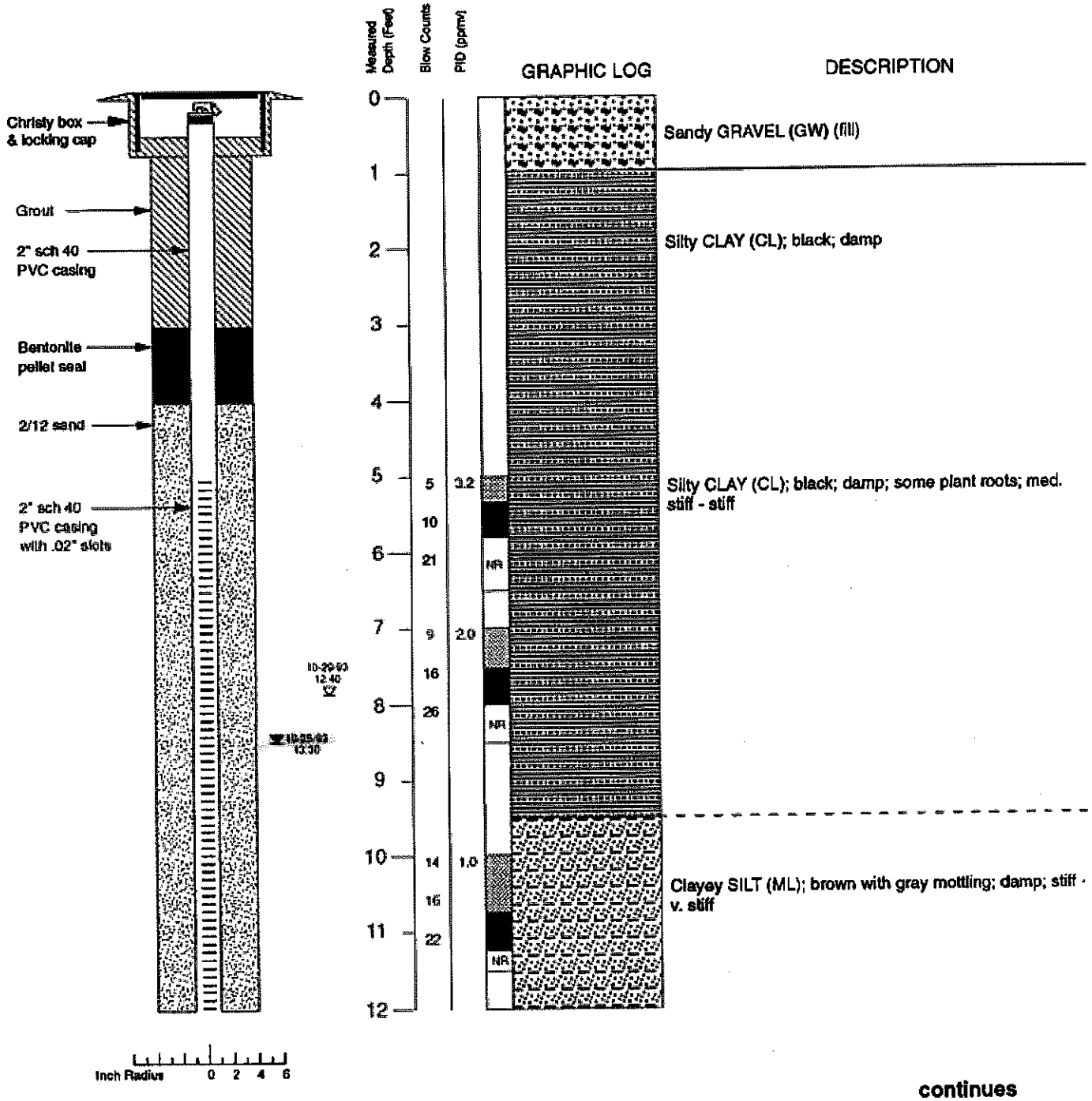
RESNA

PROJECT NO. 17068.02 | 11/93

BORING LOG—Boring B-12 (Monitoring Well MW-2)

Former Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-12**



continues

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Justin Power
Dates Drilled:	10/25/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	Christy box & locking cap
Type of Sampler:	1½" 2½" split spoon
TD (Total Depth):	21.5 feet

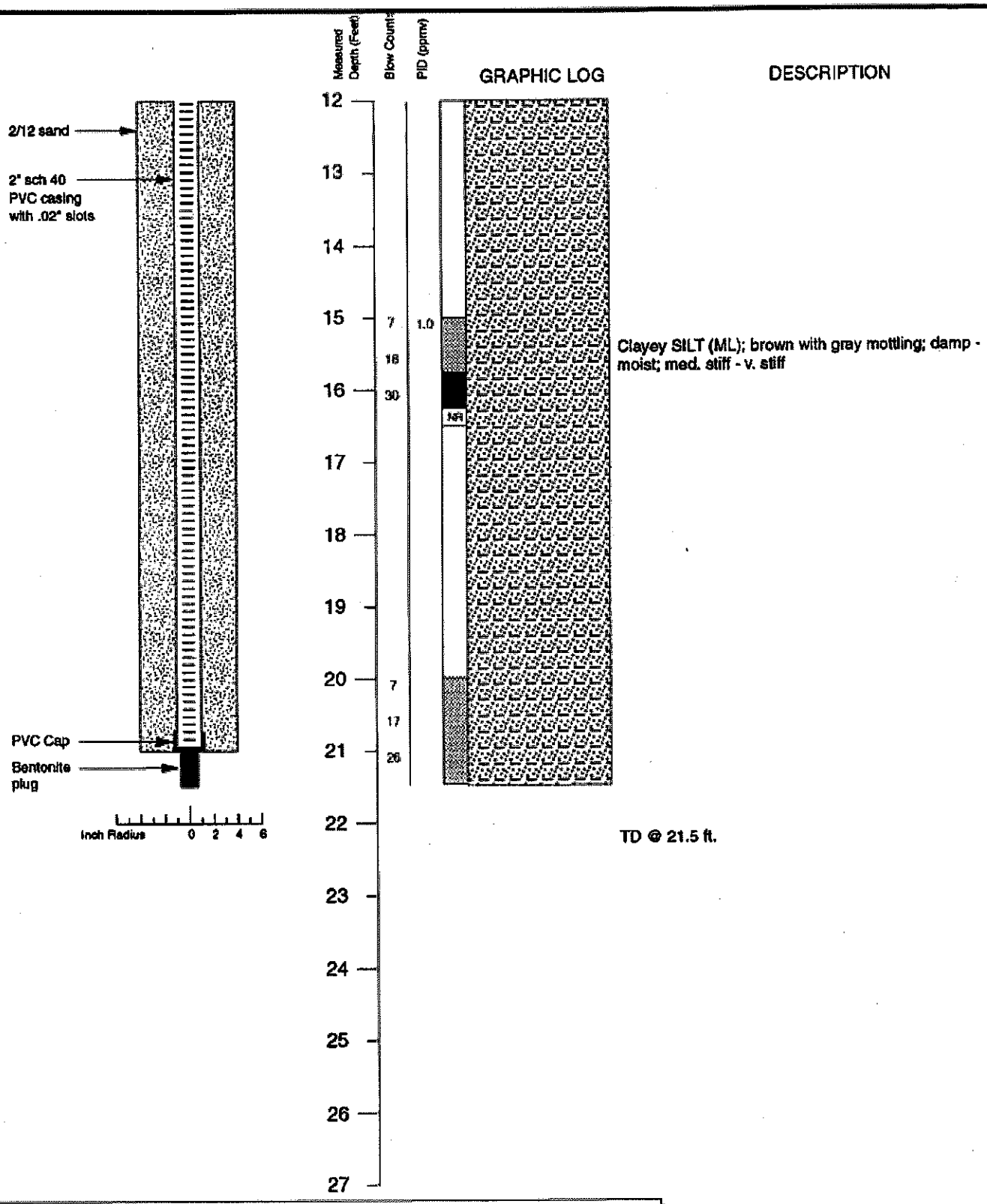
RESNA

PROJECT NO. 17068.02 | 11/93

BORING LOG—Boring B-13 (Monitoring Well MW-3)

Former Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-13**



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

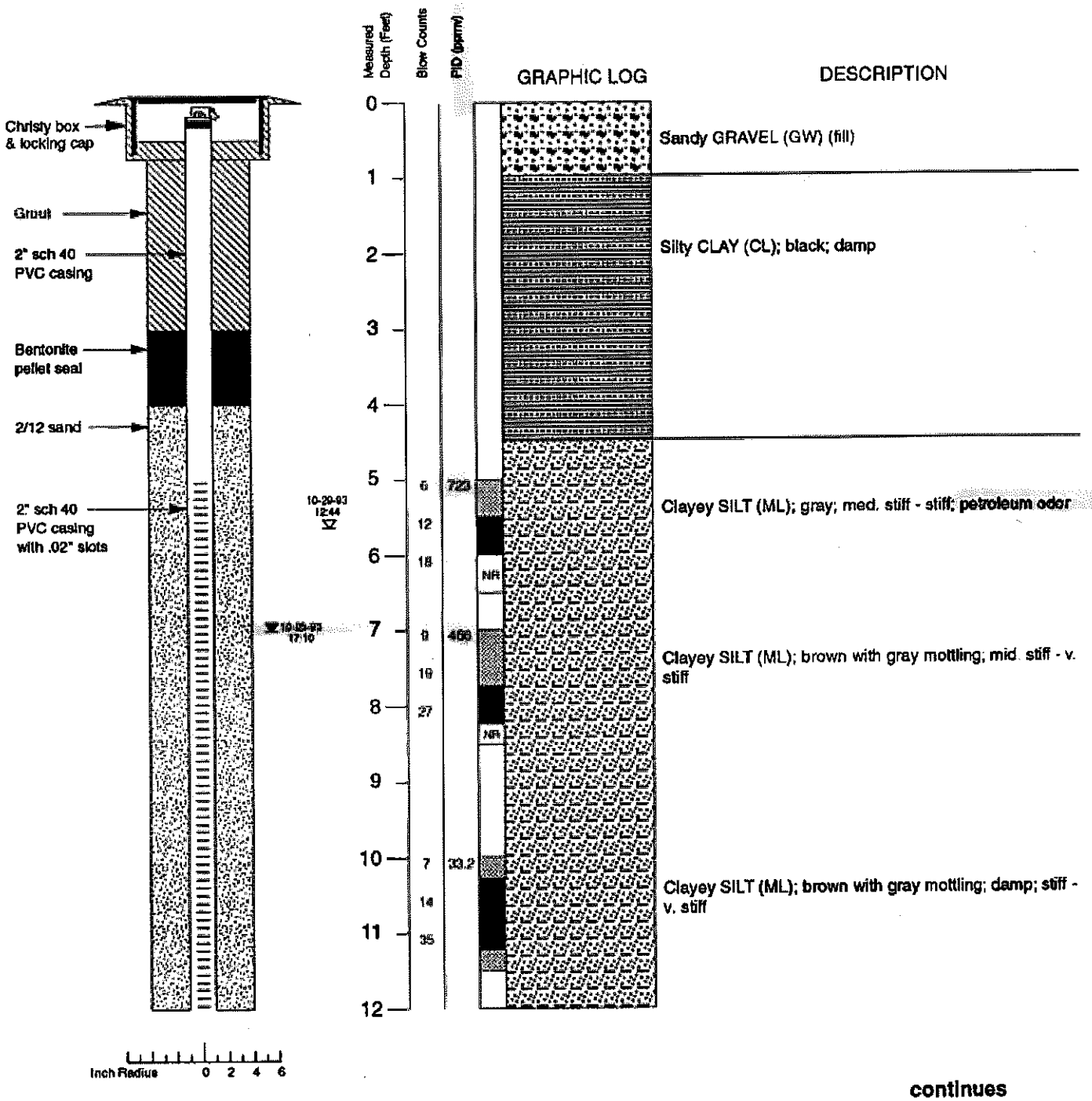
RESNA

PROJECT NO. 17068.02 | 11/93

BORING LOG—Boring B-13 (Monitoring Well MW-3)

Former Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-13**



continues

Logged by:	Erich Neupert
Project Mgr:	Justin Power
Dates Drilled:	10/25/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	Christy box & locking cap
Type of Sampler:	1½" 2½" split spoon
TD (Total Depth):	21.5 feet

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

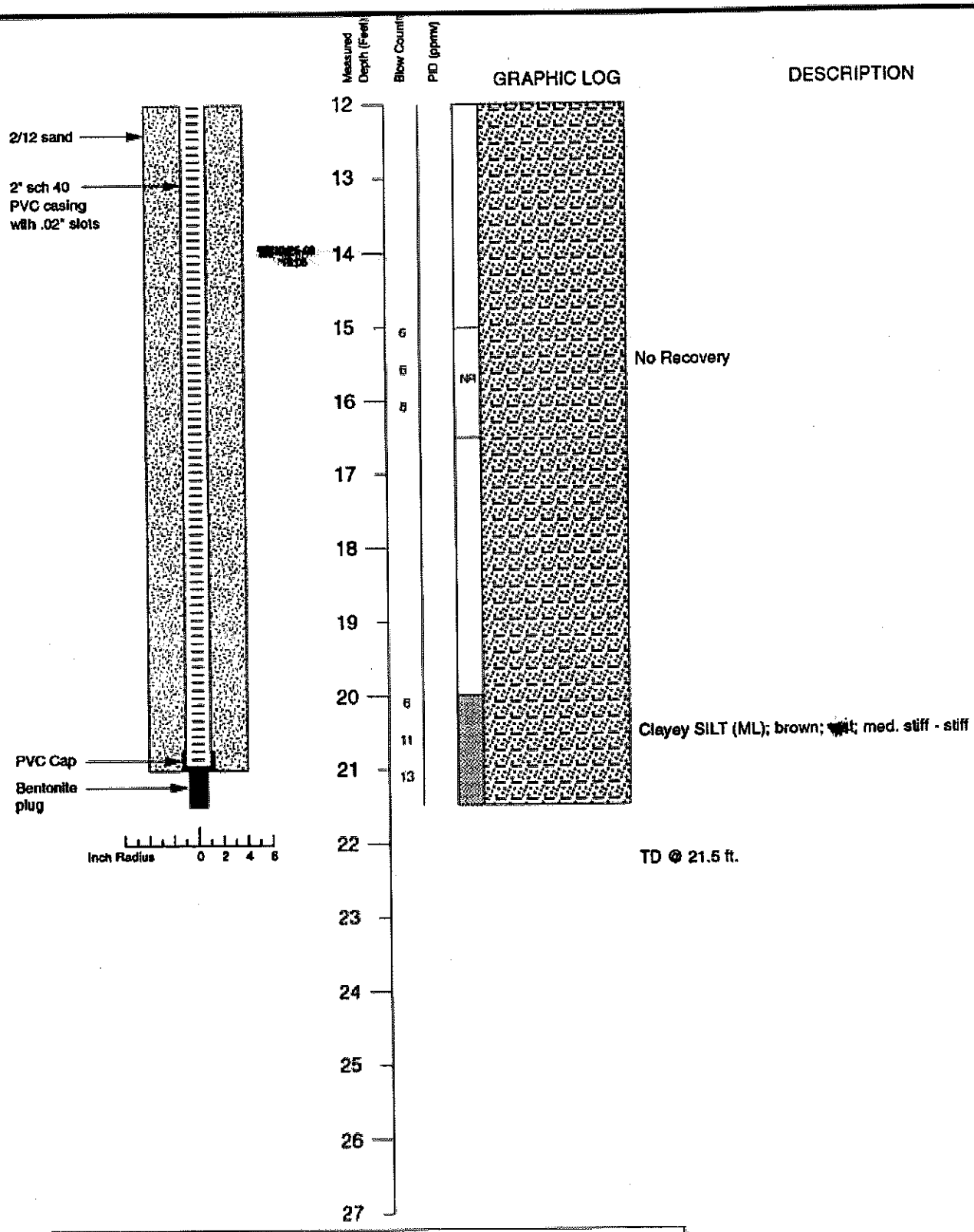
RESNA

BORING LOG—Boring B-14 (Monitoring Well MW-4)

Former Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING B-14

PROJECT NO. 17068.02 | 11/93



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample

est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary

NR — No recovery

- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

RESNA

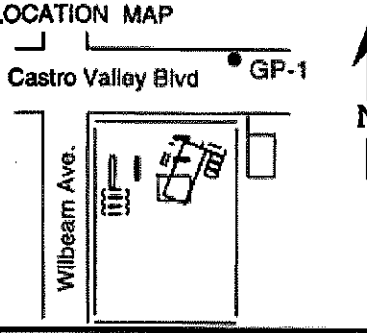
PROJECT NO. 17068.02 | 11/93

BORING LOG—Boring B-14 (Monitoring Well MW-4)

Former Chevron Service Station No. 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

BORING **B-14**

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

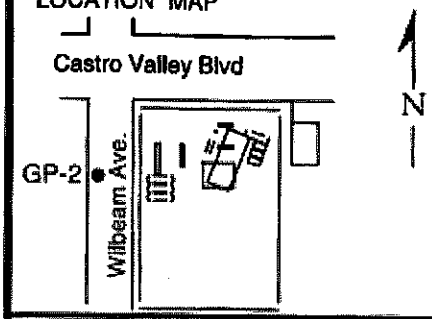
BORING N[redacted]
PAGE 1 OF 1

PROJECT NO. 320-156.1A
LOGGED BY: CWR
DRILLER: ECA
DRILLING METHOD: PNEUMATIC
SAMPLING METHOD: GEOPROBE
CASING TYPE: NA
SLOT SIZE: NA
WELL PACK: NA

CLIENT: CHEVRON
DATE DRILLED: 1-25-96
LOCATION: CASTRO VALLEY
HOLE DIAMETER: 2"
HOLE DEPTH: 16'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
Backfilled With Grout	Mst	303		2, 4, 6			CL	ASPHALT - 5"; BASEROCK 2" SANDY CLAY: dark yellowish brown; low plasticity; 80-85% clay; 15-20% medium sand yellowish brown in color; rare black specks; no product odor.
	Mst-Wt	135		8, 10				@10': as above; yellowish brown; low plasticity; 50-60% clay; 20-30% medium to coarse sand; 10-20% fine subangular gravel; manganese oxide specks are common; no product odor.
	Mst-Wt	92		12, 14, 16				@15': as above; low plasticity; no product odor.
				18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44				BOTTOM OF BORING AT 16'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

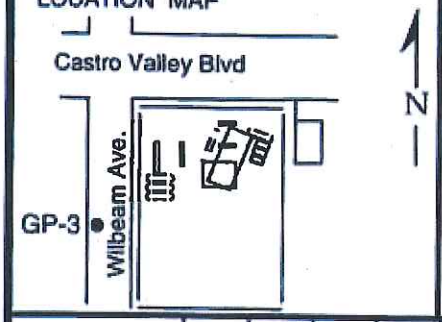
BORING NO. GP-2
PAGE 1 OF 1

PROJECT NO. 320-156.1A
LOGGED BY: CWR
DRILLER: ECA
DRILLING METHOD: PNEUMATIC
SAMPLING METHOD: GEOPROBE
CASING TYPE: NA
SLOT SIZE: NA
WELL PACK: NA

CLIENT: CHEVRON
DATE DRILLED: 1-25-96
LOCATION: CASTRO VALLEY
HOLE DIAMETER: 2"
HOLE DEPTH: 16'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
Backfilled With Grout				0					ASPHALT 4"; BASEROCK 1-1/2'
				2				CL	SANDY CLAY: dark greenish gray with olive mottling; low plasticity; 80-85% clay; 15-20% medium sand; calcite replacement along rootholes; very faint [redacted]
	Mst	95		4					
				6					
	Mst-Wt	54		8					
				10					@10': as above; yellowish brown; low plasticity; 60-70% clay with silt; 20-30% medium sand; 0-20% fine subangular gravel; manganese oxide specks are common; some olive mottling; no product odor.
	Mst-Wt	16		12					
				14					@15': as above; more orange to color; low plasticity; manganese oxide specks; no product odor.
				16					BOTTOM OF BORING AT 16'
				18					
				20					
				22					
				24					
				26					
				28					
				30					
				32					
				34					
				36					
				38					
				40					
				42					
				44					

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

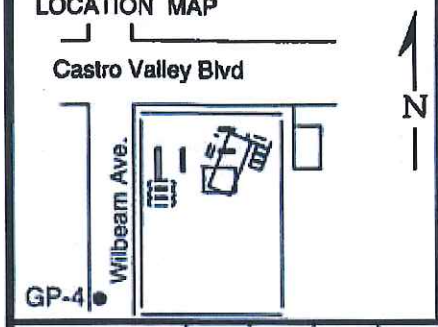
BORING NO. GP-3
PAGE 1 OF 1

PROJECT NO. 320-156.1A
LOGGED BY: CWR
DRILLER: ECA
DRILLING METHOD: PNEUMATIC
SAMPLING METHOD: GEOPROBE
CASING TYPE: NA
SLOT SIZE: NA
WELL PACK: NA

CLIENT: CHEVRON
DATE DRILLED: 1-25-96
LOCATION: CASTRO VALLEY
HOLE DIAMETER: 2"
HOLE DEPTH: 24'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
Backfilled With Grout				0				ASPHALT 4"; BASEROCK 1-1/2'
				2			CL	SANDY CLAY: brown; low plasticity; 75-85% clay and silt; 15-25% fine to medium sand; no product odor.
	Mst	5		4				
				6				
				8				
	Mst	4		10				@10': as above; yellowish brown with light olive gray mottling as dominant color; low plasticity; 60-70% clay with silt; 20-30% medium to coarse sand; 0-20% fine subangular gravel; manganese oxide specks; no product odor.
				12				
	Mst-Wt	9		14				@15': as above; yellowish brown with some light olive gray mottling; low plasticity; manganese oxide specks; no product odor.
				16				
				18				
				20				
				22				
				24				BOTTOM OF BORING AT 24'
				26				
				28				
				30				
				32				
				34				
				36				
				38				
				40				
				42				
				44				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

BORING NO. [redacted]
PAGE 1 OF 1

PROJECT NO. 320-156.1A
LOGGED BY: CWR
DRILLER: ECA
DRILLING METHOD: PNEUMATIC
SAMPLING METHOD: GEOPROBE
CASING TYPE: NA
SLOT SIZE: NA
WELL PACK: NA

CLIENT: CHEVRON
DATE DRILLED: 1-25-96
LOCATION: CASTRO VALLEY
HOLE DIAMETER: 2"
HOLE DEPTH: 18.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
Backfilled With Grout								ASPHALT 4"; BASEROCK 1-1/2'
	Dp-Mst	22		2, 4, 6, 8			CL	SANDY CLAY: dark yellowish brown with light olive gray mottling; low plasticity; 70-80% clay with silt; 15-25% medium sand; trace coarse sand; manganese oxide specks; no product odor.
	Mst	99		10, 12				@10': as above; dark greenish gray with light greenish gray and olive gray mottling; low plasticity; faint product odor.
	Mst	15		14, 16, 18				@15': as above; dark yellowish brown with some light olive gray mottling; low plasticity; less sand; manganese oxide specks; no product odor.
				20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44				BOTTOM OF BORING AT 18.5'

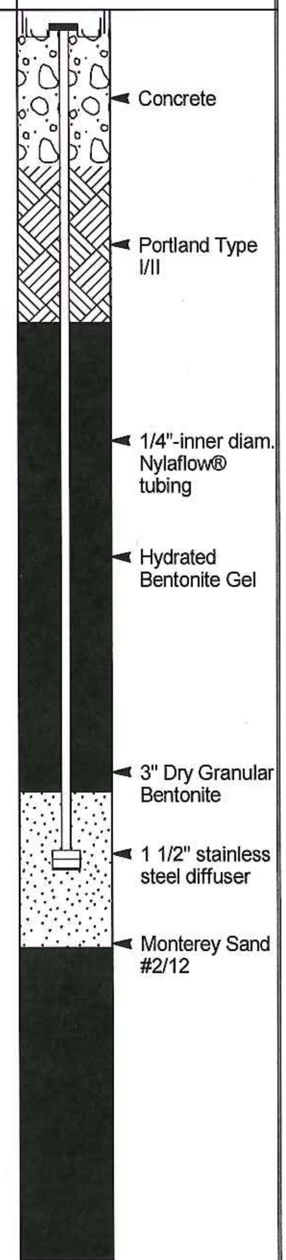
Conestoga-Rovers & Associates
10969 Trade Center Drive Suite 107
Rancho Cordova, CA 95670
Telephone: (916) 889-8900
Fax: (916) 889-8999

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	VP-1
JOB/SITE NAME	9-4930	**DRILLING STARTED**	18-Oct-10
LOCATION	3369 Castro Valley Boulevard, Castro Valley, CA	**DRILLING COMPLETED**	18-Oct-10
PROJECT NUMBER	611967	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	PeneCore Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand-Auger/Direct Push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3.25 inch/2 inch	**SCREENED INTERVAL**	5.375 to 5.5 fbg
LOGGED BY	C. Benedict	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	J. Kiernan, PE# C68498	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							3" Asphalt	0.3
							FILL: Silty GRAVEL with sand; brown; dry.	
				1				
							Color change to grey at 1.25 fbg.	
				2				
				3				
				4				
				5				
0								
				6				
				7				
				8				

WELL DIAGRAM



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Conestoga-Rovers & Associates
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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	VP-1
JOB/SITE NAME	9-4930	**DRILLING STARTED**	18-Oct-10
LOCATION	3369 Castro Valley Boulevard, Castro Valley, CA	**DRILLING COMPLETED**	18-Oct-10

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				9			**CLAY:** Grey; moist; medium estimated plasticity; very fine sand.	9.0	
2.0		VP-1- 10		10					Hydrated Bentonite Chips
				11					
				12	CL				
19.5		VP-1- 12.5		13					
				14					
5.0		VP-1- 15		15				15.0	Bottom of Boring @ 15 fbg

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	VP-2
JOB/SITE NAME	9-4930	**DRILLING STARTED**	19-Oct-10
LOCATION	3369 Castro Valley Boulevard, Castro Valley, CA	**DRILLING COMPLETED**	19-Oct-10
PROJECT NUMBER	611967	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	PeneCore Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand-auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3.25 inch	**SCREENED INTERVAL**	5.375 to 5.5 fbg
LOGGED BY	C. Benedict	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	J. Kiernan, PE# C68498	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							3" Asphalt	0.3	Concrete
							FILL: GRAVEL with silt and sand; brown; moist.		Portland Type I/II
				1					
				2					1/4"-inner diam. Nylaflow® tubing
				3					Hydrated Bentonite Gel
				4					
				5					3" Dry Granular Bentonite
0		VP-2- 5.5							1 1/2" stainless steel diffuser
				6				6.0	Monterey Sand #2/12
									Bottom of Boring @ 6 fbg

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	VP-3
JOB/SITE NAME	9-4930	**DRILLING STARTED**	19-Oct-10
LOCATION	3369 Castro Valley Boulevard, Castro Valley, CA	**DRILLING COMPLETED**	19-Oct-10
PROJECT NUMBER	611967	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	PeneCore Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand-auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3.25 inch	**SCREENED INTERVAL**	5.375 to 5.5 fbg
LOGGED BY	C. Benedict	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	J. Kiernan, PE# C68498	**DEPTH TO WATER (Static)**	NA
REMARKS			

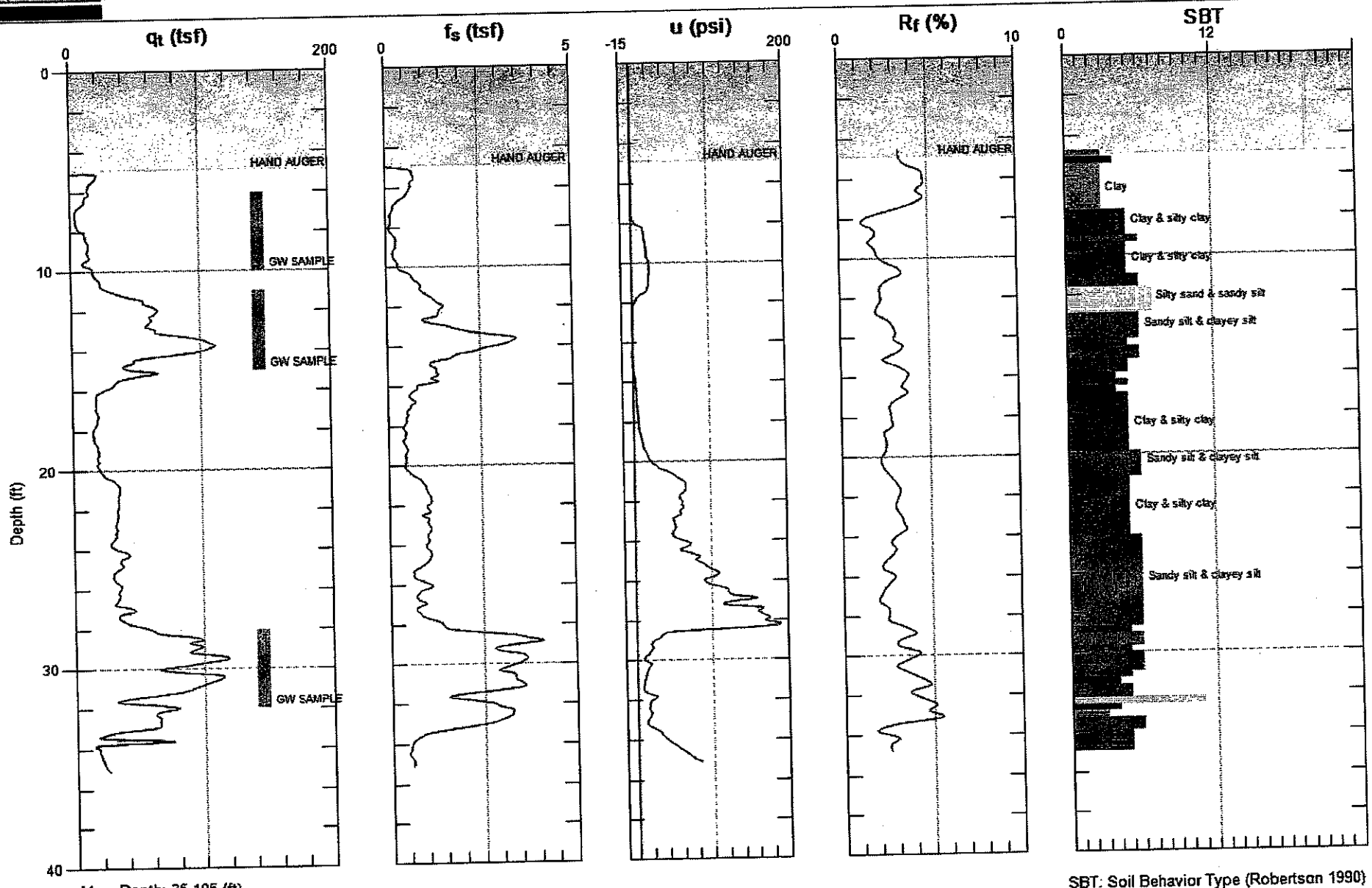
PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							3" Asphalt	0.3	Concrete
							FILL: GRAVEL with sand; light brown; moist.		Portland Type I/II
				1					
				2					1/4"-inner diam. Nylaflow® tubing
				3					Hydrated Bentonite Gel
				4					
				5					3" Dry Granular Bentonite
0		VP-3- 5.5							1 1/2" stainless steel diffuser
				6				6.0	Monterey Sand #2/12
									Bottom of Boring @ 6 fbg

GREGG

CRA

Site: FORMER CHEVRON
Sounding: CPT-01

Engineer: J.BOSTICK
Date: 9/11/2007 09:34



Max. Depth: 35.105 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)