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

January 11, 2012

Mr. Ted Walbey
Fiesta Beverage
9890 Steelhead Rd.
Pasa Robles, CA 93446

Subject: Subject: Fuel Leak Case, RO0000314 and GeoTracker Global ID T0600101573, Fiesta Beverage, 966 89th Avenue, Oakland, CA 94621

Dear Mr. Walbey:

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:

- Residual pollution remaining in soil beneath the site includes TPH as gasoline (TPHg) at concentrations of up to 450 ppm and benzene at 0.82 ppm.
- Maximum concentrations of up to 170 ppb TPHg and 9.2 ppb benzene remain in groundwater beneath the site.

The site will be closed under the current commercial land use (developed as a warehouse). If land use changes to any other commercial, residential, or other conservative land use scenario, reevaluation of this case may be required.

If you have any questions, please call Barbara Jakub at (510) 639-1287. Thank you.

Sincerely,

Donna L. Drogos, P.E.
Division Chief

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

cc:
Leroy Griffin (w/enc via electronic mail:
lgriffin@oaklandnet.com)
Oakland, Fire Department

Barbara Jakub (w/ enc via e-mail), D. Drogos (w/ enc via e-mail), T. LeKhan (via e-mail and w/orig enc)
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

January 10, 2012

Mr. Ted Walbey
Fiesta Beverage
9890 Steelhead Rd.
Pasa Robles, CA 93446

REMEDIAL ACTION COMPLETION CERTIFICATE

Subject: Fuel Leak Case, RO0000314 and GeoTracker Global ID T0600101573, Fiesta Beverage, 966 89th Avenue, Oakland, CA 94621

Dear Mr. Walbey:

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.

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: October 24, 2011

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 639-1287
Responsible Staff Person: Barbara Jakub	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Fiesta Beverage		
Site Facility Address: 966 89th Avenue, Oakland, CA 94621		
RB Case No.: *01-1702*	STID No.: 4241	LOP Case No.: RO0000314
URF Filing Date: 6/22/2011	Geotracker ID: T0600101573	APN: 42-4286-1-8

Responsible Parties	Addresses	Phone Numbers
Ted Walbey Fiesta Beverages	9890 Steel Head Road, Paso Robles, CA 93446	(805) 286-4303

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
A	1,000	Gasoline	Removed	August 1990
B	500	Gasoline	Removed	August 1990
Piping			Assumed Removed w/USTs	August 1990

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: USTs in poor condition. Both tanks listed as "compromised, one at tank top and one on the lower end, on the fill riser side."		
Site characterization complete? Yes	Date Approved By Oversight Agency: ---	
Monitoring wells installed? Yes	Number: 10	Proper screened interval? Yes*
Highest GW Depth Below Ground Surface: 7.08 ft	Lowest Depth: 9.90 ft	Flow Direction: West to Northwest
Most Sensitive Current Use: Potential drinking water source.		

* Groundwater is confined at this site.

Summary of Production Wells in Vicinity:

One irrigation well was identified within ¼ mile of the site. It is located approximately 1,050 feet downgradient of the site. It is 12 inches in diameter and 175 feet deep. No screened interval is noted. Based on the distance from the site and the fact that downgradient wells are non detect for most constituents, the well is not likely a receptor.

Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: Elmhurst Creek culvert 200 feet to the northwest
Off-Site Beneficial Use Impacts (Addresses/Locations): None identified.	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health and City of Oakland

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	1 - 1,000-gallon gasoline 1 - 500-gallon gasoline	H&H Ship Service Company, 220 China Basin Street, San Francisco, CA	8/24/90
Piping	Unknown quantity	H&H Ship Service Company, 220 China Basin Street, San Francisco, CA	8/24/90
Free Product	*	---	---
Soil	74.28 tons	Treated then disposed at Remco recycling facility	April 1993
Groundwater	Not reported	---	---

* Sheen observed in SB-1 at time of drilling; Incidental observation of free product during ISCO injections

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

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	4,900	450	36,000	170
TPH (Diesel)	----	----	----	----
TPH (Motor Oil)	----	----	----	----
Oil and Grease	----	----	----	----
Benzene	59	0.82	4,200	9.2
Toluene	260	1.3	2,200	<0.5
Ethylbenzene	100	5.1	650	5.6
Xylenes	500	2.2	2,600	<1.50
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	----	----	----	----
MTBE	<10*	<0.05*	13**	3.4***
Other (8240/8270)	----	----	----	----

NA = Not analyzed

* TAME, ETBE, DIPE, TBA, EDB and EDC all not analyzed.

** 13 ppb MTBE, 9.0 ppb TAME, <2.5 ppb ETBE, <2.5 ppb DIPE, 8.6 ppb TBA, <5.0 EDB, <5.0 EDC and <50 ppb ETOH

*** 3.4ppb MTBE, 1.8 ppb TAME, <0.5 ppb ETBE, <0.5 ppb DIPE, <5.0 ppb TBA, <0.5 EDB, <0.5 EDC and <50 ppb ETOH

Site History and Description of Corrective Actions:

The subject site consists of two buildings (960 and 966 89th Avenue) on the southeast side of 89th Avenue in Oakland. The site is located in an industrial area of Oakland, with small warehouses and Industrial buildings to the west and east, and residential development to the south. The former UST system at the site was a suction system with a single dispenser located approximately 5 feet inside the roll-up door closest to the former northern tank system.

In August 1990, one 500-gallon and one 1,000-gallon gasoline USTs were removed from the subject site. Soil and groundwater were reported to be impacted from releases from one or both USTs. TPHg was detected in a sample (assumed to be from the bottom of the tank pit at 9 feet bgs) at a maximum concentration of 4,900 ppm, and benzene was detected at a maximum concentration of 59 ppm.

In January 1991, the former UST pits were overexcavated. The excavations measured approximately 15 feet by 8 feet by 14 feet deep and 12 feet by 7 feet by 14 feet deep, respectively. The maximum concentrations left in place were 2.2 ppm TPHg, and 0.081 ppm benzene at 14 feet bgs.

Beginning in April 1991, aeration of the soil occurred onsite. In April 1993, 74.28 tons of soil were transported to the Remco recycling facility.

In June 1993, groundwater monitoring wells MW-1, MW-2, and MW-3 were installed. Saturated soil was encountered below a depth of approximately 13 feet bgs (in clay overlaying the uppermost sand unit). The wells were installed with a screened interval between 10 and 25 feet bgs Maximum concentrations of TPHg and benzene were detected In soils at concentrations of 260 ppm and 7.9 ppm, respectively, at a depth of 6 feet bgs in Well MW-2.

In November 1999, AllCal Property Services, Inc. (AllCal) installed four Geoprobe soil borings downgradient from the former location of the two USTs. The groundwater interface appears to have been encountered at an approximate depth of 16 feet bgs. A sheen was noted at that depth in SB-1. Groundwater samples were obtained from bores SB-1 through SB-4 at a depth of 18 feet bgs. Groundwater samples from SB-1 and SB-2 contained maximum concentrations of 3,200 ppb TPHg and 94 ppb BTEX. Downgradient soil boring SB-3 contained 90 ppb TPHg and 0.52 ppb total xylenes. TPHg and BTEX were not detected in boring SB-4. No soil samples were submitted for laboratory analysis.

On March 7, 2001, 49 gallons of 7% solution of hydrogen peroxide was applied to wells MW-1, MW-2, and MW-3 by AllCal.

In September 2004, Blymyer Engineers advanced nine Geoprobe borings (GP-1 through GP-9). The maximum TPHg soil concentration was 540 ppm in GP-5, immediately downgradient of the former USTs. The maximum benzene concentration in soil was 1.8 ppm in GP-8 from 6.5 feet bgs, crossgradient of the former USTs. The maximum concentrations in groundwater were 14,000 µg/L TPHg and 210 µg/L benzene.

In May and June 2006, Blymyer Engineers destroyed well MW-1 and installed wells MW-1R and MW-4 through MW-9. At these locations, the only soil samples with detectable TPHg or benzene were from Well MW-1R adjacent to the former UST basin. TPHg was detected at a maximum concentration of 450 ppm at a depth of 7 feet bgs, and the maximum benzene concentration was also found in that sample, at 4.8 ppm. Maximum concentrations of 14,000 ppb TPHg were detected in GP-1 and GP-5. Benzene was detected at a maximum of 210 ppb in GP-1.

Blymyer began in-situ chemical oxidation (ISCO) on May 22, 2007 with a volume test injection. The first injection of RegenOx occurred between June 4 and June 7, 2007, and the second event occurred on June 26 and 27, 2007. An additional round of RegenOx injection occurred on September 12 and 13, 2007.

During the RegenOx injections, significant return flow was observed, with hydrocarbon sheen and separate-phase hydrocarbons (SPH) visible in the return material. The SPH and sheen decreased in successive injection events. Verification monitoring was performed for one year through the fourth quarter of 2008 and currently, maximum concentrations in groundwater are 170 ppb TPHg and 9.2 ppb benzene in MW-3.

On June 7, 2007, two Geoprobe confirmation soil borings were advanced in the former UST basins to evaluate whether the tank backfill was a significant hydrocarbon source. The soil samples contained maximum hydrocarbon concentrations of 450 ppm TPHg and 0.82 ppm benzene at a depth of 11.5 feet bgs in GP-10.

In July 2010, Trinity Source Group, Inc. installed and sampled one semi-permanent soil gas probe in the former UST area, and one sub-slab vapor probe inside the building, near the former source area. Soil gas and sub-slab vapor samples had generally non-detectable hydrocarbon concentrations, with a maximum of 90.3 µg/m^3 toluene. No TPHg, benzene or MTBE was detected in the samples.

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, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: Case closure for this fuel leak site is granted for the current commercial land use (developed as a warehouse) only. If a change in land use to any other commercial, residential or other conservative land use scenario occurs at this site; Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the case upon receipt of approved development/construction plans. Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities. This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.		
Should corrective action be reviewed if land use changes? Yes		
Was a deed restriction or deed notification filed? No		Date Recorded: ---
Monitoring Wells Decommissioned: No	Number Decommissioned: 1	Number Retained: 9
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

- EDB and EDC were not analyzed in soil.
- Replacement well MW-1R installed upgradient of highest concentration well (MW-1).
- Confirmation soil sampling not performed after remediation was completed.
- MW-4 paved over and not located, yet. Survey data to be used at time of well destruction to locate well.

Conclusion:

Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment under the current commercial land use (developed as a warehouse) 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. However, as specified in the Site Management Requirements, re-evaluation of this case may be required if land uses changes to any other commercial, residential, or other conservative land use scenario. ACEH staff recommend closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Barbara J. Jakub, P.G.	Title: Hazardous Materials Specialist
Signature: Barbara J. Jakub	Date: 10/24/11
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature:	Date: 10/25/11

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: 10/25/11	

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 11/22/11	Date of Well Decommissioning Report: 1/9/2012	
All Monitoring Wells Decommissioned: (Yes) No	Number Decommissioned: 9	Number Retained: 0
Reason Wells Retained: —		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: Barbara J. Jakub		Date: 1/10/12

Attachments:

1. Site Vicinity Map and surrounding buildings (3 pp)
2. Site Plans (8 pp)
3. Soil Analytical Data (3 pp)
4. Groundwater Elevation and Analytical Data (18 pp)
5. Soil Vapor Analytical Data (1 pp)
6. Boring Logs (27 pp)
7. Cross Sections (3 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.

Jakub, Barbara, Env. Health

From: Cherie MCcaulou [CMccaulou@waterboards.ca.gov]
Sent: Thursday, October 27, 2011 1:55 PM
To: Jakub, Barbara, Env. Health
Subject: Re: Closure Summary for RO314

Barbara - The Regional Water Board has no objection to the ACEH's recommendation for case closure for 966 89th Ave. In Oakland. Thank you for the notification. Have a good day.

Sincerely,

Cherie McCaulou
Engineering Geologist
San Francisco Bay Regional Water Quality Control Board
cmccaulou@waterboards.ca.gov
510-622-2342

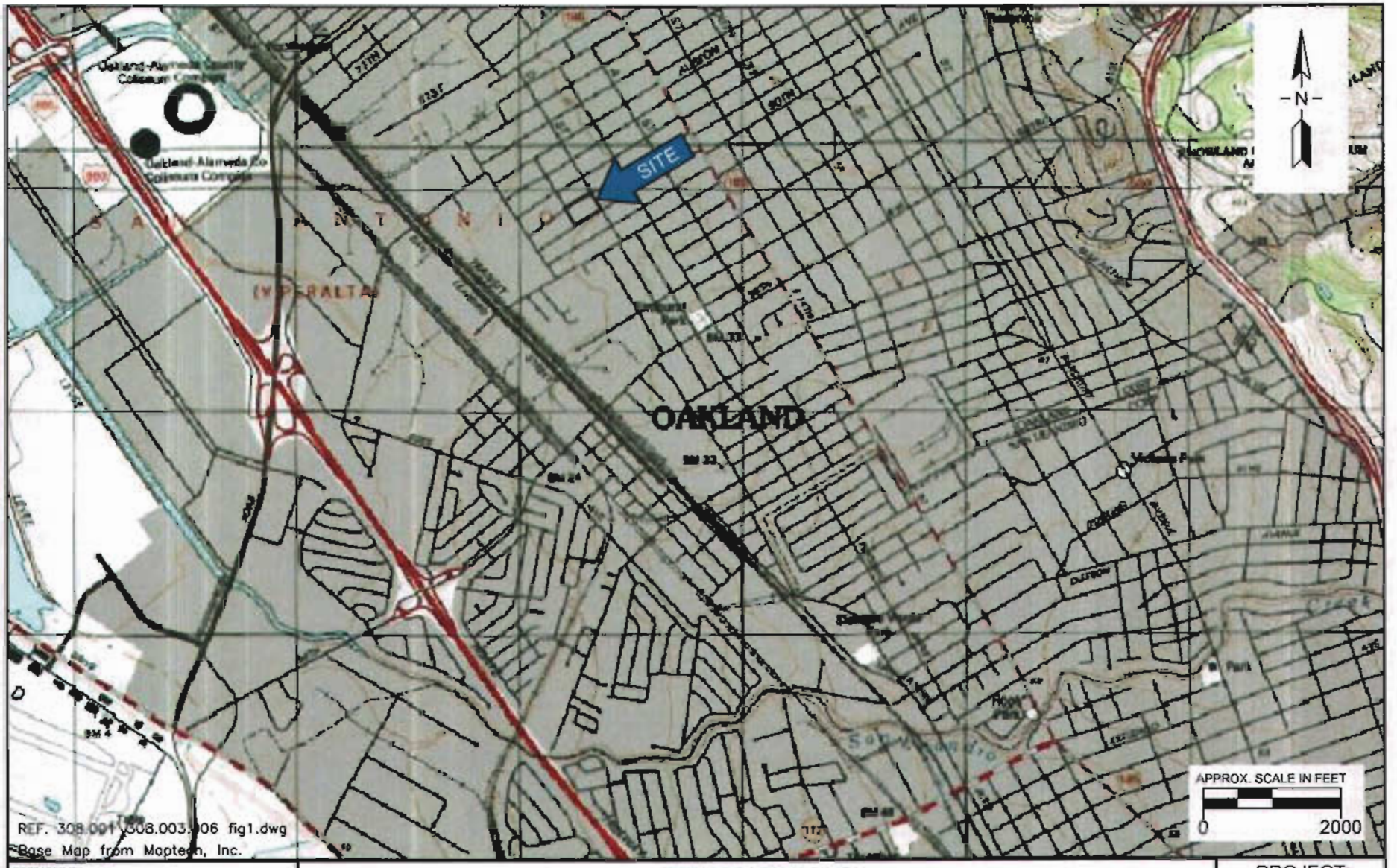
>>> "Jakub, Barbara, Env. Health" <barbara.jakub@acgov.org> 10/25/2011 4:30 PM >>>
Hi Cherie,
Attached is a closure summary for RO314; Fiesta Beverages located at 966 89th Avenue., Oakland to comply with the RWQCB's 30-day review period. If no comments from the RWQCB are received within the 30-day review period, ACEH will proceed with case closure.
Please contact me if you have any comments or questions about the subject site.
Regards,

Barbara Jakub, P.G.
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Pky.
Alameda, CA 94502
Direct: 510-639-1287
Fax: 510-337-9335

PDF copies of case files can be downloaded at:

http://www.acgov.org/aceh/lop/ust.htm

ATTACHMENT 1



PREPARED BY

TRINITY source group, inc.
Environmental Consultants

500 Chestnut Street, Suite 225
Santa Cruz, California 95060
v: 831.426.5600
f: 831.426.5602

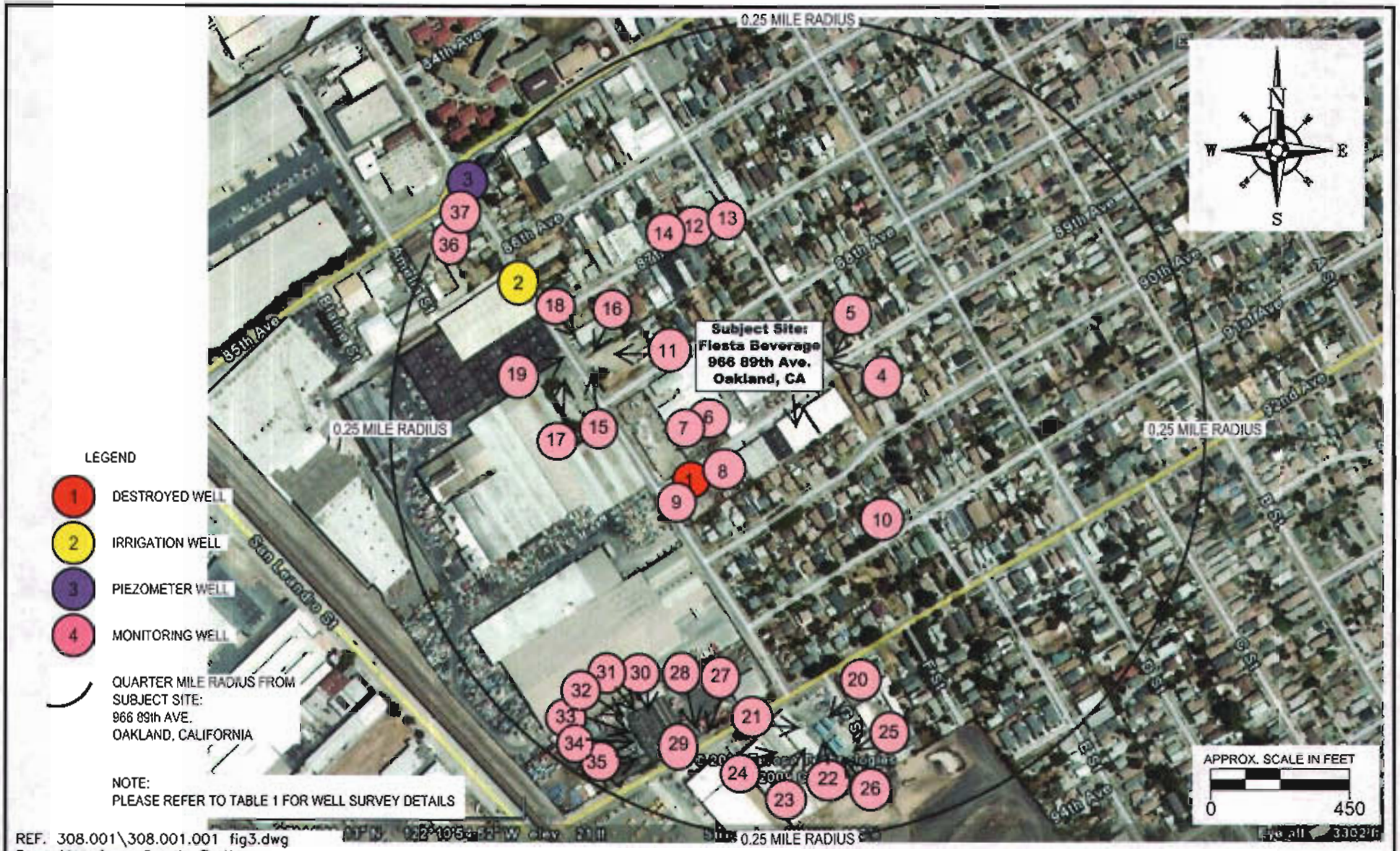
SITE LOCATION MAP

Former Fiesta Beverage
966 89th Ave.
Oakland, California

PROJECT:
308.003.006

FIGURE:
1


Parcel Viewer
Alameda County Office of Assessor
Select by point
More...
Streets
Aerial
Overview
Details
42-4286-1-8
SitusAddress: 966 89TH AVE OAKLAND 94621
Assessor Parcel Information
Tax Information
If you close the window, click on the highlighted parcel to have the window redisplay.
910
42-4286-1-7
Complete Auto Body
966
42-4286-1-8
Best Equipment
960
42-4286-1-9
989
981
Towing
965
50 m
200 ft



REF. 308.001\308.001.001 fig3.dwg
Base Map from Google Earth

PREPARED BY
TRINITY source group, inc.
Environmental Consultants
500 Chestnut Street, Suite 225
Santa Cruz, California 95060
v. 831.426.5600
f. 831.426.5602

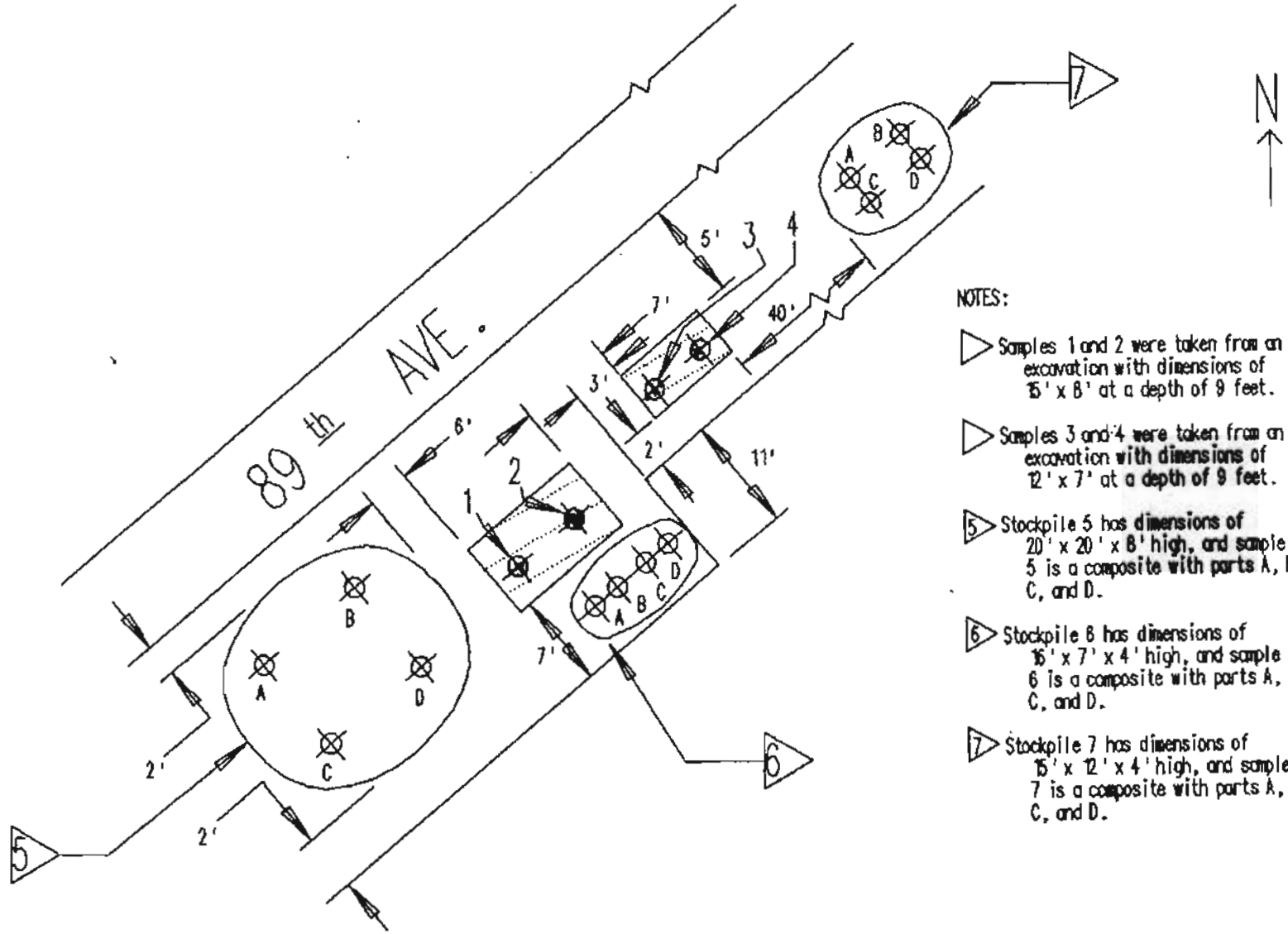
WELL SURVEY MAP

Former Fiesta Beverage
966 89th Ave.
Oakland, California

PROJECT:
308.001.001

FIGURE:
3

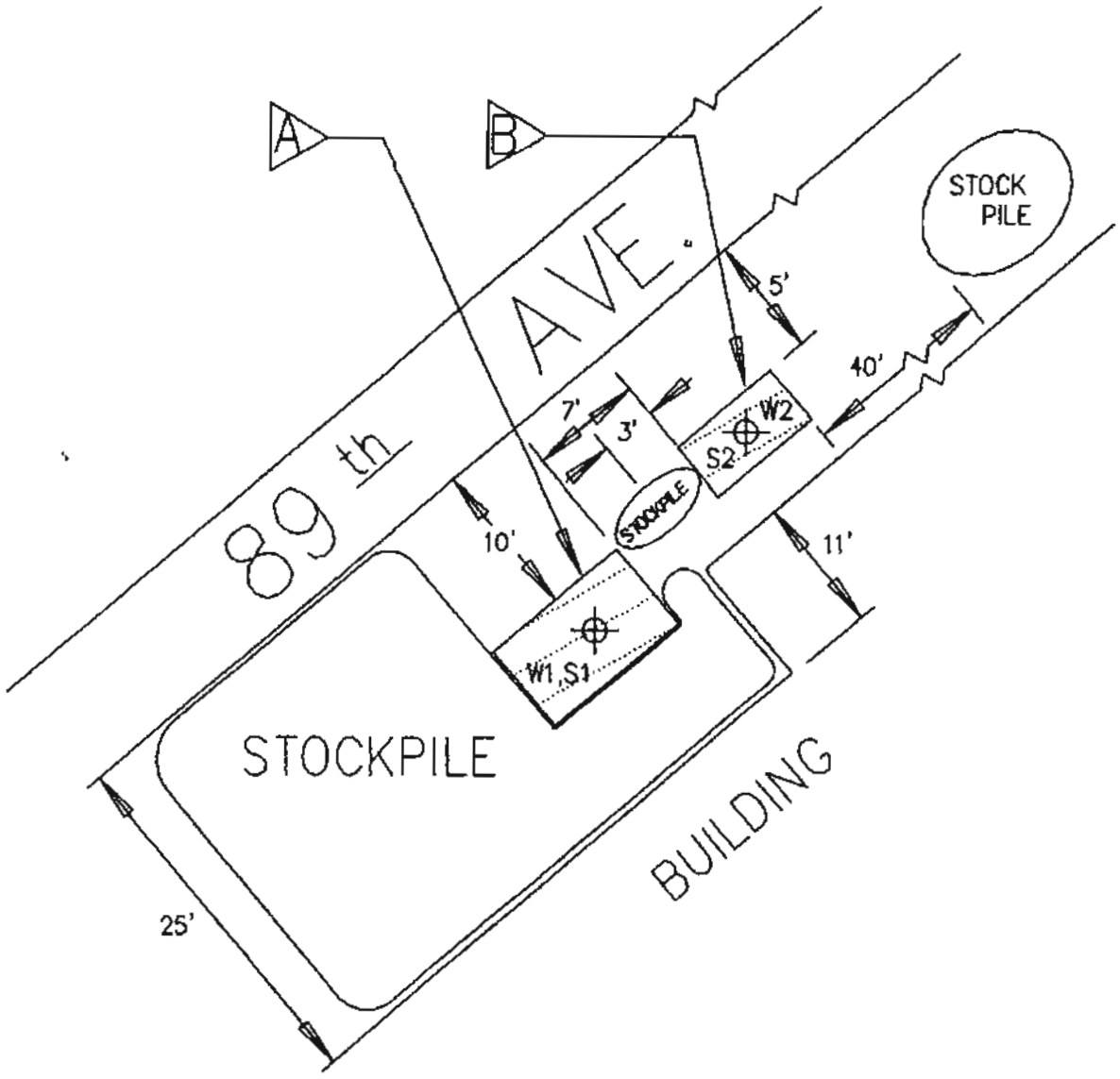
ATTACHMENT 2



NOTES:

- Samples 1 and 2 were taken from an excavation with dimensions of 15' x 8' at a depth of 9 feet.
- Samples 3 and 4 were taken from an excavation with dimensions of 12' x 7' at a depth of 9 feet.
- 5 Stockpile 5 has dimensions of 20' x 20' x 8' high, and sample 5 is a composite with parts A, B, C, and D.
- 6 Stockpile 6 has dimensions of 15' x 7' x 4' high, and sample 6 is a composite with parts A, B, C, and D.
- 7 Stockpile 7 has dimensions of 15' x 12' x 4' high, and sample 7 is a composite with parts A, B, C, and D.

FIESTA BEVERAGE (SCOTT CO.) 966 89TH AVENUE OAKLAND, CALIFORNIA	SLOG #: 1760 DATE: 8/24/1990	W. E. S. T. 1046 Olive Drive #3, Davis, CA 95616 (916)753-9500 Drawn By: TGT



Overexcavation

NOTES: Samples @ 14'

- Samples S1 and S2 were taken just above water level, at a depth of 14 feet.
- Samples W1 and W2 were taken from standing water at the bottom of the excavations.
- A: Excavation dimensions are 15' x 8' x 15 feet deep.
- B: Excavation dimensions are 12' x 7' x 15 feet deep.

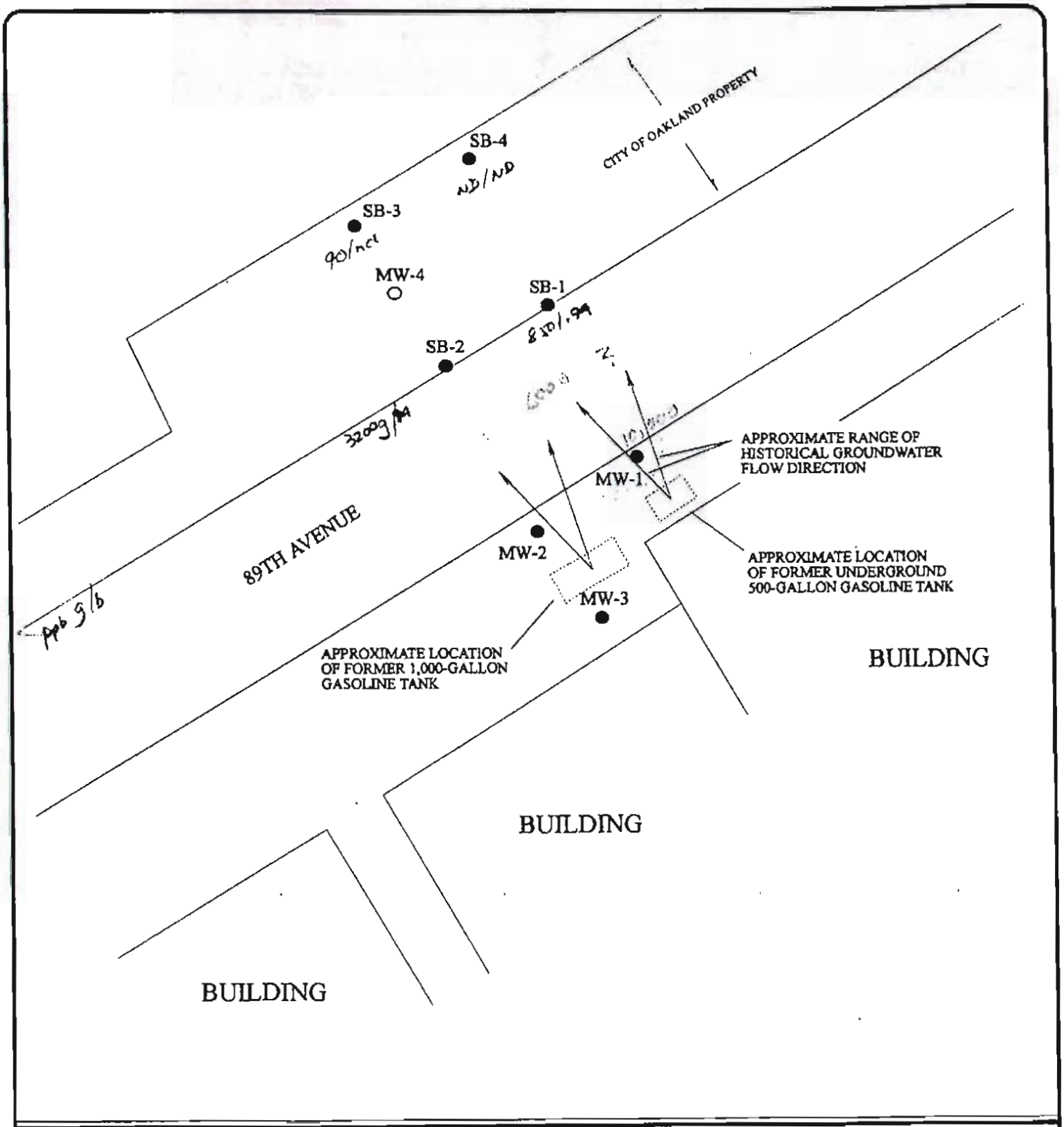
FIESTA BEVERAGE (SCOTT)
966 89th AVENUE
OAKLAND, CALIFORNIA

Sample Log#: 2204

DATE: 1/15/1991

Western Environmental Science & Technology
1046 Olive Drive #3, Davis, CA 95616
Phone: (916) 753-9500

Drawn by: TGT



Legend

MW-1 ● Name and Location of Groundwater Monitoring Well

MW-4 ○ Name and Location of Proposed Groundwater Monitoring Well

SB-1 ● Name and Location of Soil Boring

0 20

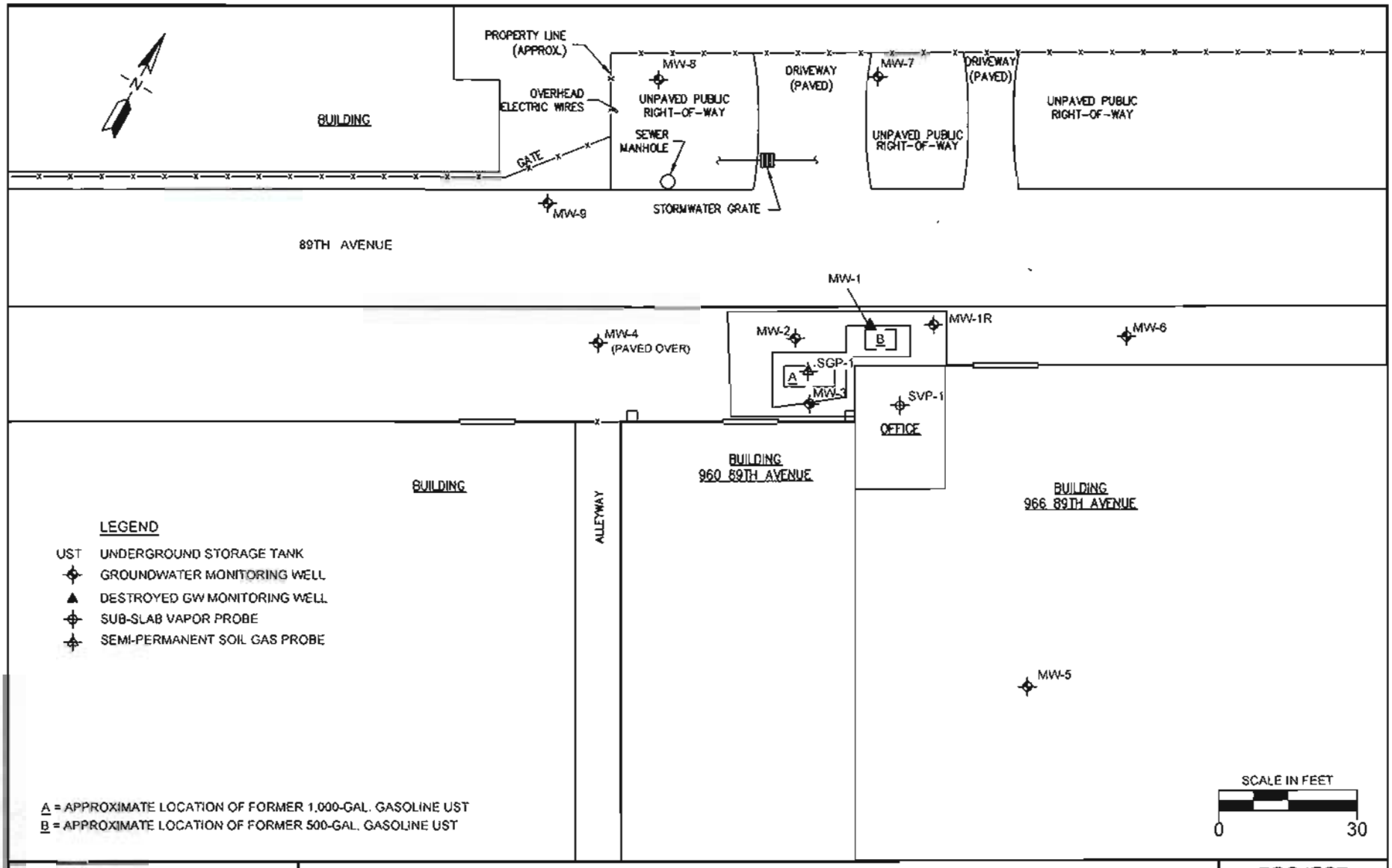
Approximate Scale (ft)

N

ALLCAL PROPERTY SERVICES

SITE PLAN

FIESTA BEVERAGE
966 89TH AVENUE
OAKLAND, CA 94621



PREPARED BY

TRINITY source group, inc.
Environmental Consultants
580 Chestnut Street, Suite 225
Santa Cruz, California 95060
v 831.426.5600
f 831.426.5602

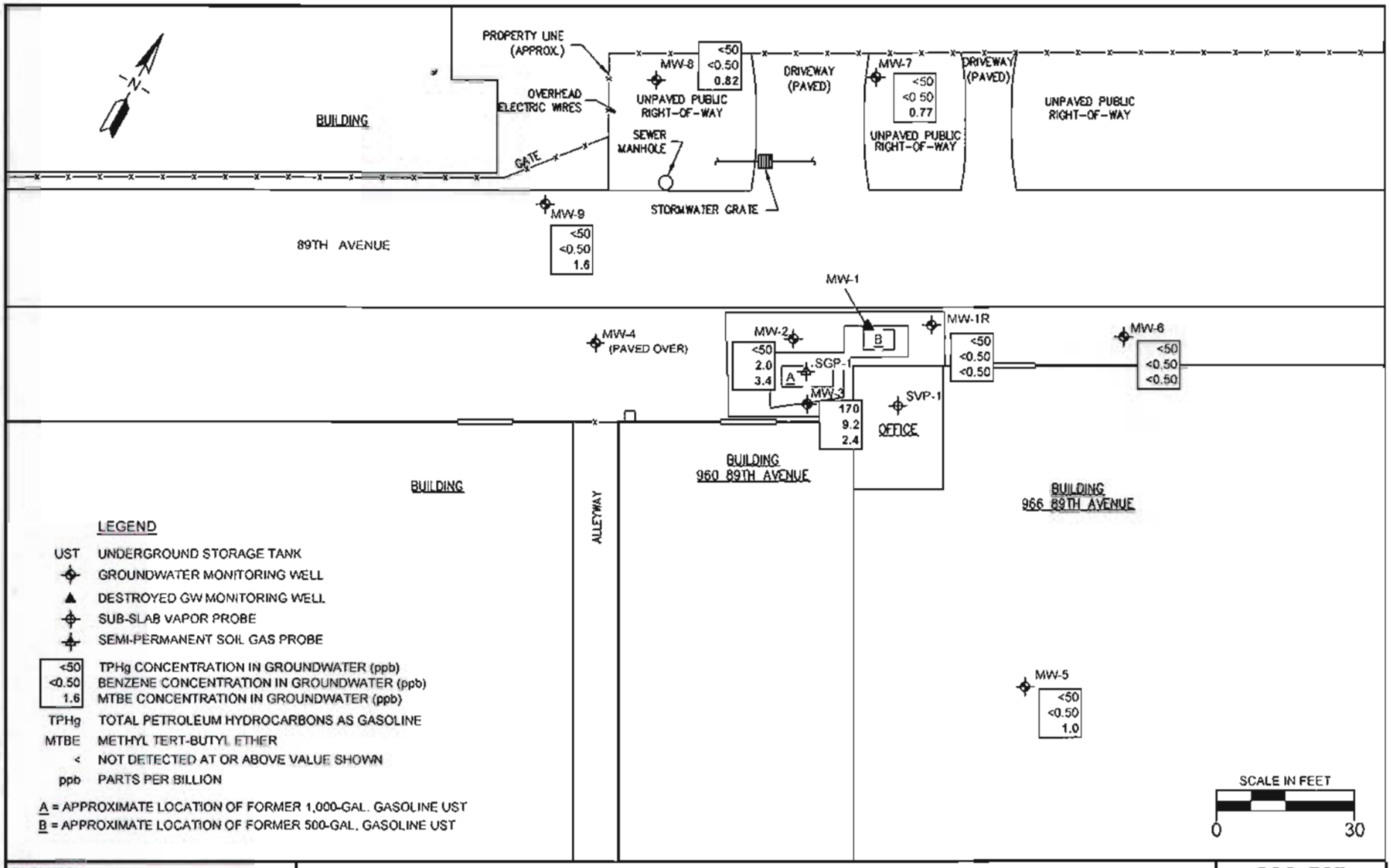
SITE MAP

Former Fiesta Beverage
966 89th Ave.
Oakland, California

PROJECT:
308.003.006

FIGURE:
2

REF. 308_001/308.003.006 30100721 figures.dwg



PREPARED BY

TRINITY SOURCE GROUP, INC.
Environmental Consultants
500 Chestnut Street, Suite 325
Santa Cruz, California 95060
v: 831.426.5600
f: 831.426.5602

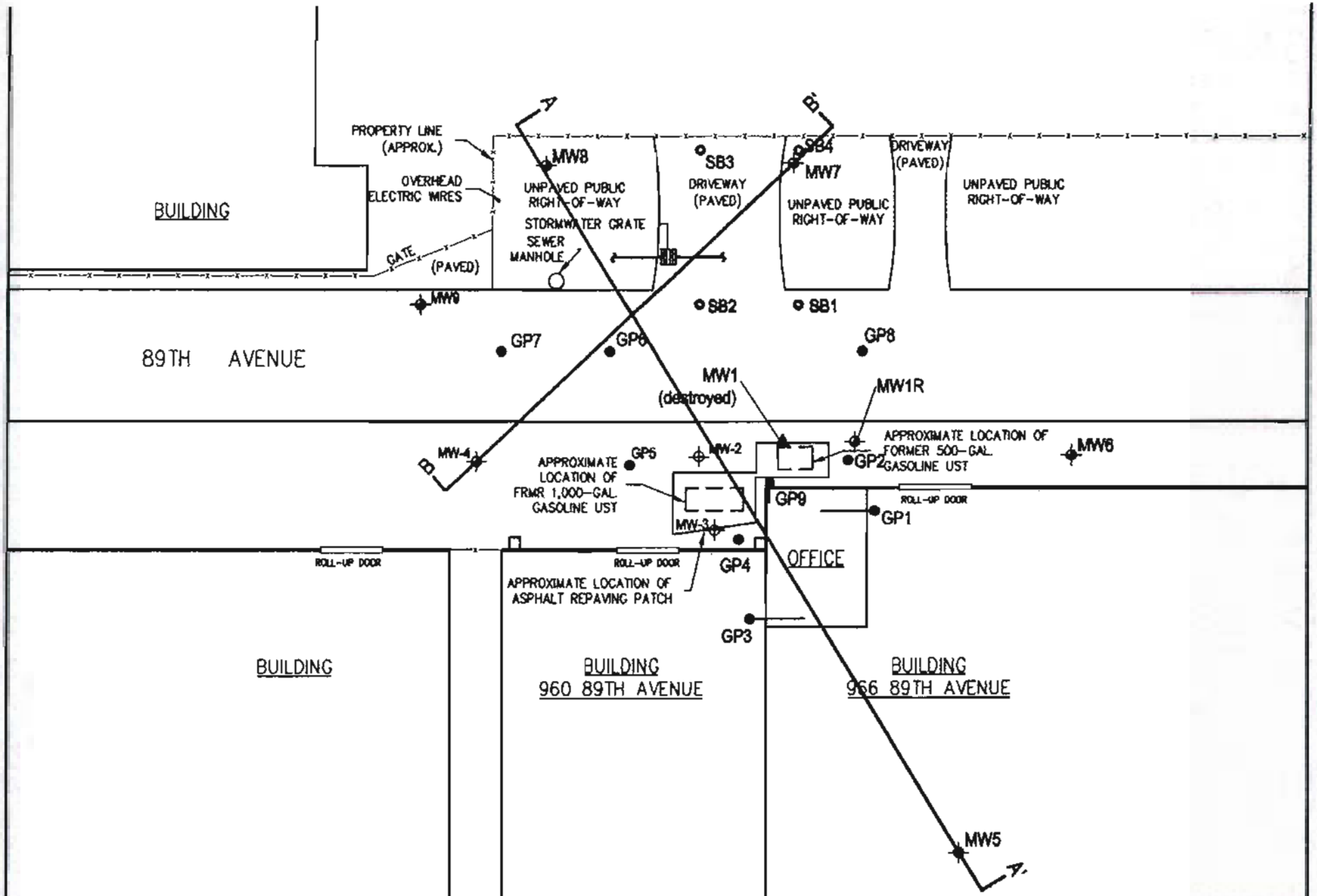
TPHg/BENZENE/MTBE CONCENTRATIONS IN GROUNDWATER, JULY 22, 2010

Former Fiesta Beverage
966 89th Ave.
Oakland, California

PROJECT: 308.003.006

FIGURE: 4

REF. 308_001/308.003.006 30100721 figures.dwg



THE USE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL USE FOR WHICH THEY WERE PREPARED. REUSE, REPRODUCTION, OR PUBLICATION, IN WHOLE OR IN PART, IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF BLYMYER ENGINEERS, INC.

0 25
SCALE IN FEET

BLYMYER ENGINEERS, INC.

BEI JOB NO.	DATE
203004	8-24-06

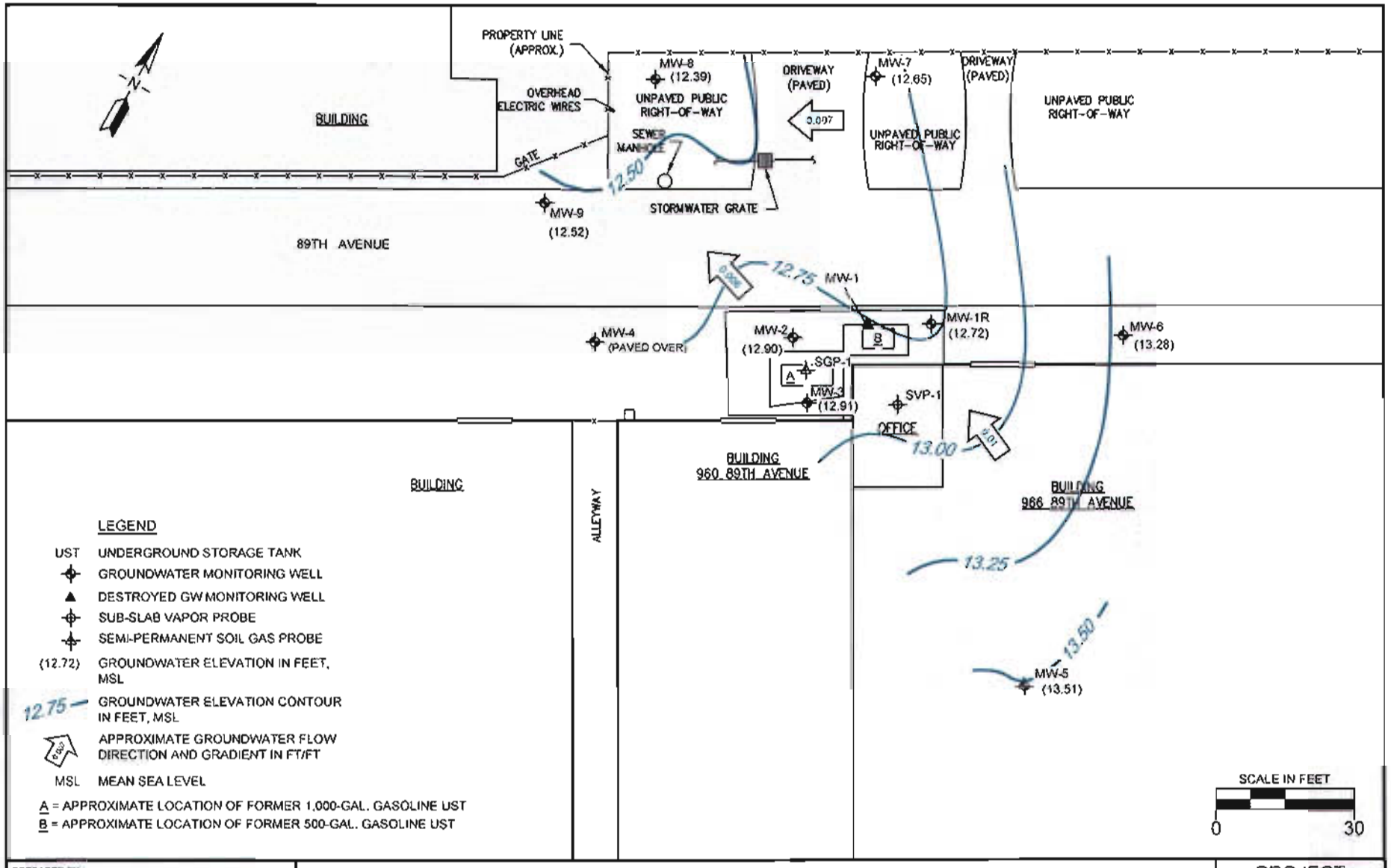
LEGEND
- UST UNDERGROUND STORAGE TANK
- NS NOT SAMPLED
- ND NO ANALYTICAL, NO PID RESPONSE
- GROUNDWATER MONITORING WELL (TANK PROTECT ENG.)
- SB4 SOIL BORE (INSTALLED BY ALLCAL)
- GP1 SOIL BORE
- SOIL BORE-ANGLED
- GROUNDWATER MONITORING WELL (BLYMYER ENG.)
- DESTROYED GW MONITORING WELL

SITE PLAN

FORMER FIESTA BEVERAGE
966 89TH AVE.
OAKLAND, CA

FIGURE 2

L:\Acad\2003dwg\203004\203004fig2k.dwg September 08, 2006 - 10:33AM hallstock



PREPARED BY

TRINITY source group, inc.
Environmental Consultants
500 Chestnut Street, Suite 325
Santa Cruz, California 95060
T: 831 426 5600
F: 831 426 5602

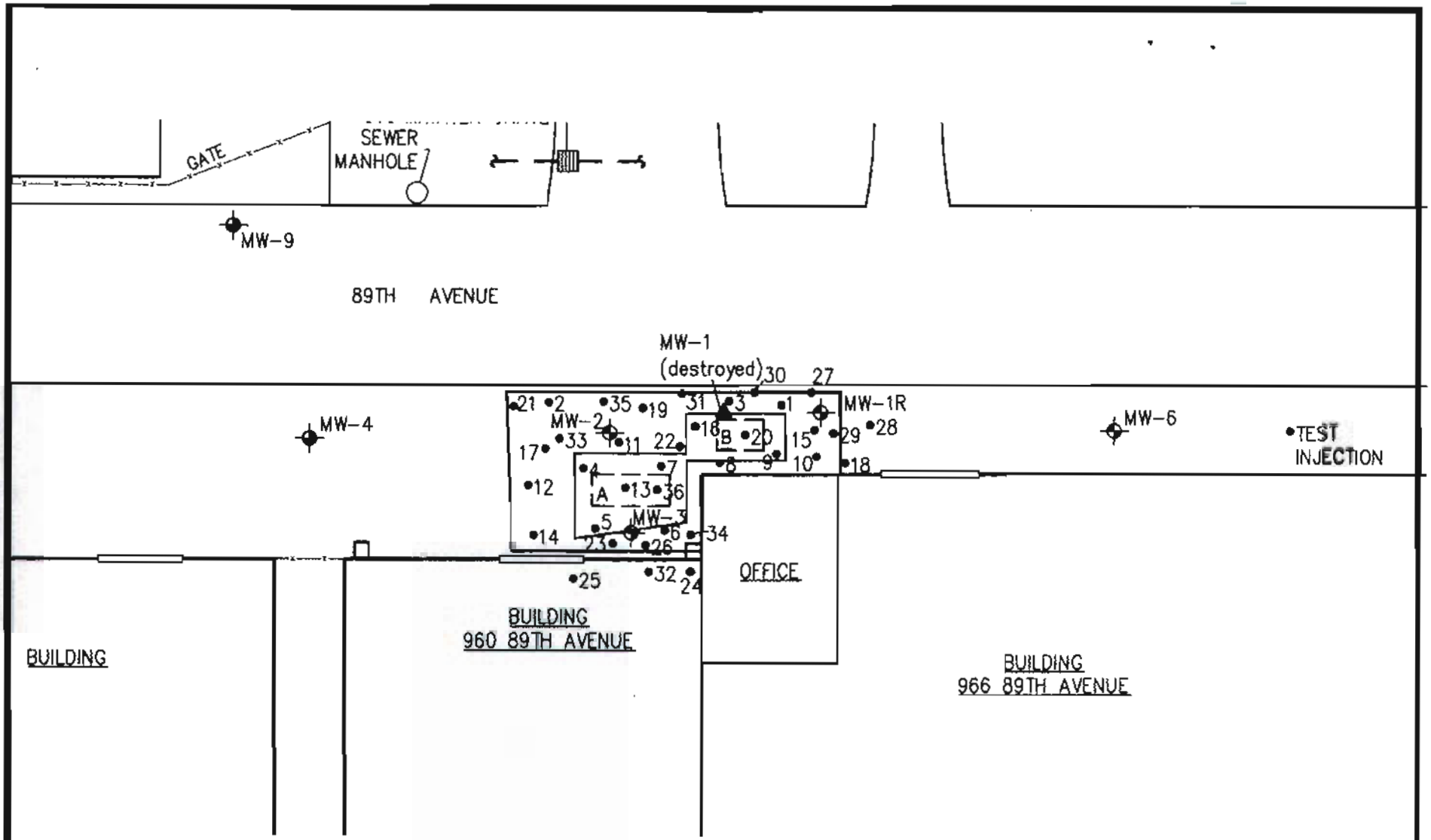
GROUNDWATER ELEVATION CONTOUR MAP, JULY 21, 2010

Former Fiesta Beverage
966 89th Ave.
Oakland, California

PROJECT: 308.003.006

FIGURE: 3

REF. 308_001/308.003.006 30100721 figures.dwg



A = APPROXIMATE LOCATION OF FORMER 1,000-GAL. GASOLINE UST

B = APPROXIMATE LOCATION OF FORMER 500-GAL. GASOLINE UST

0 20

SCALE IN FEET

BLYMYER ENGINEERS, INC.

BEI JOB NO.	DATE
203004	02-25-09

LEGEND

UST UNDERGROUND STORAGE TANK

GROUNDWATER MONITORING WELL

DESTROYED GW MONITORING WELL

INJECTION BORE

INJECTION BORE LOCATIONS
FORMER FIESTA BEVERAGE
966 89TH AVE.
OAKLAND, CA

FIGURE 3

L:\Acad\2003dwg\203004\203004fig3a.dwg February 25, 2009 - 3:53PM Dlittlerock

Table I, Summary of Soil Sample Hydrocarbon Analytical Results
BEI Job No. 203004, Former Fiesta Beverage
966 89th Avenue, Oakland, California

Well ID	Depth (ft)	Sample Date	Modified EPA Method 8015	EPA Method 8020 or 8021B (mg/Kg)				
			TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
Commercial / Industrial Drinking Water ESL, Shallow or Deep Soil [1]			83	0.044	2.9	3.3	2.3	0.023
Commercial / Industrial Non-Drinking Water ESL, Shallow Soil [2]			180	0.27	9.3	4.7	11	8.4
Commercial / Industrial Non-Drinking Water ESL, Deep Soil [3]			180	2.0	9.3	4.7	11	8.4
1	9*	8/24/1990	350	3.5	15	4.5	28	NA
2	9*	8/24/1990	4900	59	260	100	500	NA
3	9*	8/24/1990	780	13	41	13	67	NA
4	9*	8/24/1990	810	16	52	17	87	NA
Composite 1	N/A	8/24/1990	1000	0.16	1.8	0.57	22	NA
Composite 2	N/A	8/24/1990	10	0.0071	0.032	0.037	1.1	NA
Composite 3	N/A	8/24/1990	440	0.1	0.59	1.7	13	NA
S1	14**	1/15/1991	<0.5	<0.005	0.0068	<0.005	0.0077	NA
S2	14**	1/15/1991	2.2	0.081	0.013	<0.005	0.0092	NA
MW-1	6	6/24/1993	43	0.9	0.71	0.7	3.8	NA
MW-1	11	6/24/1993	60	2.8	2.3	3.5	10	NA
MW-2	6	6/24/1993	260	7.9	30	6.3	49	NA
MW-2	11	6/24/1993	11	0.097	0.34	0.44	1.6	NA
MW-3	6	6/24/1993	5	0.15	0.16	0.18	0.48	NA
MW-3	11	6/24/1993	22	0.29	2.2	0.29	5.6	NA
GP1-6	6	9/27/2004	2.1 [c]	0.027	0.009	<0.005	<0.005	<5.0
GP1-15.5	15.5	9/27/2004	23 [d]	0.0056	<0.005	<0.005	0.07	<5.0
GP2-11.5	11.5	9/27/2004	140 [c]	1.4	2	2.3	6.4	<0.50
GP3-14.5	14.5	9/27/2004	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0
GP4-11.5	11.5	9/27/2004	310 [c]	0.28	0.4	1.4	2.1	<1.0
GP5-11	11	9/27/2004	540 [c]	1.1	0.22	8.3	12	<0.50
GP5-12.5	12.5	9/27/2004	23 [c]	0.13	0.03	0.24	0.62	<5.0

ATTACHMENT 3

Table I, Summary of Soil Sample Hydrocarbon Analytical Results
BEI Job No. 203004, Former Fiesta Beverage
966 89th Avenue, Oakland, California

Well ID	Depth (ft)	Sample Date	Modified EPA Method 8015	EPA Method 8020 or 8021B (mg/Kg)				
			TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
Commercial / Industrial Drinking Water ESL, Shallow or Deep Soil [1]			83	0.044	2.9	3.3	2.3	0.023
Commercial / Industrial Non-Drinking Water ESL, Shallow Soil [2]			180	0.27	9.3	4.7	11	8.4
Commercial / Industrial Non-Drinking Water ESL, Deep Soil [3]			180	2.0	9.3	4.7	11	8.4
GP6-6	6	9/27/2004	**200** [c]	**0.63**	**0.83**	**3.3**	**12**	<1.0
GP6-11.5	11.5	9/27/2004	**390** [c]	**0.63**	**0.56**	**4.5**	**18**	<1.0
GP7-2.5	2.5	9/27/2004	**2.7** [c]	**0.028**	<0.005	<0.005	**0.018**	<5.0
GP7-11.5	11.5	9/27/2004	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0
GP8-6.5	6.5	9/27/2004	**170** [c]	**1.8**	**2.5**	**3.2**	**10**	<0.50
GP8-11.5	11.5	9/27/2004	**32** [c]	**0.27**	**1.1**	**0.44**	**2.2**	<0.50
GP9-11.5	11.5	9/27/2004	**120** [c]	**0.2**	**0.32**	**1.3**	**5.3**	<0.50
GP9-15.5	15.5	9/27/2004	**40** [d]	**0.011**	**0.037**	**0.066**	**0.3**	<5.0
MW5-10.5	10.5	5/8/2006	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
MW6-5.5	5.5	5/8/2006	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
MW6-13.5	13.5	5/8/2006	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
MW1R-7	7	5/9/2006	**450** [c]	**4.8**	**18**	**8.2**	**45**	<10
MW1R-13.5	13.5	5/9/2006	**60** [c, d]	**0.34**	**1.8**	**0.73**	**3.3**	<0.35
MW4-14.5	14.5	5/9/2006	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
MW7-14	14	6/2/2006	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
MW8-15	15	6/2/2006	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
MW-9-16	16	6/2/2006	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
GP10-7.5	7.5	6/7/2007	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
GP10-11.5	11.5	6/7/2007	**450** [c, d]	**0.82**	**1.3**	**5.1**	**2.2**	<1.0
GP10-15.5	15.5	6/7/2007	**1.7** [d]	<0.005	<0.005	<0.005	<0.005	<0.05
GP11-11.5	11.5	6/7/2007	**37** [c]	**0.24**	**0.079**	**0.81**	**0.48**	<0.10
GP11-15.5 (Up arrow)	15.5	6/7/2007	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
GP11-15.5 (No arrow)	15.75	6/7/2007	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05

Table I, Summary of Soil Sample Hydrocarbon Analytical Results BEI Job No. 203004, Former Fiesta Beverage 966 89th Avenue, Oakland, California								
Well ID	Depth (ft)	Sample Date	Modified EPA Method 8015	EPA Method 8020 or 8021B (mg/Kg)				
			TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
Commercial / Industrial Drinking Water ESL, Shallow or Deep Soil [1]			83	0.044	2.9	3.3	2.3	0.023
Commercial / Industrial Non-Drinking Water ESL, Shallow Soil [2]			180	0.27	9.3	4.7	11	8.4
Commercial / Industrial Non-Drinking Water ESL, Deep Soil [3]			180	2.0	9.3	4.7	11	8.4

Notes:

ft = feet
mg/Kg = Milligrams per kilogram
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl *tert*-Butyl Ether
RWQCB = California Regional Water Quality Control Board, San Francisco Bay Region
ESL = Environmental Screening Level

[1] = From Table A or C; RWQCB Environmental Screening Levels (ESLs); **Shallow or Deep Soils (<3m)**; Commercial/Industrial Land Use; Groundwater IS a Current or Potential Source of Drinking Water; May 2008 revision.

[2] = From Table B; RWQCB Environmental Screening Levels (ESLs); **Shallow Soils (<3m)**; Commercial/Industrial Land Use; Groundwater IS NOT a Current or Potential Source of Drinking Water; May 2008 revision.

[3] = From Table D; RWQCB Environmental Screening Levels (ESLs); **Deep Soils (>3m)**; Commercial/Industrial Land Use; Groundwater IS NOT a Current or Potential Source of Drinking Water; May 2008 revision.

NA = Not analyzed
RBSL = Risk Based Screening Level
<*x* = Analyte not detected at reporting limit *x*
* = Assumed to be bottom samples.
** = Bottom samples (per Tank Protect Engineering Preliminary Site Assessment Report, dated December 15, 1993).
[a] = Laboratory note indicates the result is a hydrocarbon within the diesel range but that it appears to be the less volatile constituents of gasoline.
[b] = Also detected "High Point Hydrocarbons" calculated as oil at 300 mg/kg, and Oil and Grease at 80 mg/kg.
[c] = Laboratory note indicates unmodified or weakly modified gasoline is significant.
[d] = Laboratory note indicates no recognizable pattern..

Bold results indicate detectable analyte concentrations.
Note: Shaded cell indicates that detected concentration exceeds *Non-Drinking Water* ESL.

Table I, Summary of Groundwater Elevation Measurements BEI Job No. 203004, Former Fiesta Beverage 966 89th Avenue, Oakland, California				
Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)
MW-1	8/6/1993	18.72	8.96	9.76
	1/12/1996		8.55	10.17
	4/16/1996		7.65	11.07
	7/15/1996		8.76	9.96
	10/16/1996		9.04	9.68
	12/15/1998		8.38	10.34
	1/18/2001		8.49	10.23
	4/25/2001		8.24	10.48
	3/17/03*		8.08	10.64
	6/23/2003		8.63	10.09
	9/18/2003		8.90	9.82
	12/15/2003		8.15	10.57
	6/15/2004		8.67	10.05
	12/15/2004		7.99	10.73
	6/29/2005		7.88	10.84
	5/8/2006	21.70	Destroyed	Destroyed
	2/19/2007		Destroyed	Destroyed
	6/21/2007		Destroyed	Destroyed
	11/8/2007		Destroyed	Destroyed
	2/28/2008		Destroyed	Destroyed
	5/29/2008		Destroyed	Destroyed
	8/27/2008		Destroyed	Destroyed
	11/25/2008		Destroyed	Destroyed
MW-1R	6/12/2006	21.73	8.49	13.24
	2/19/2007		7.94	13.79
	6/21/2007		8.71	13.02
	8/9/2007		8.83	12.90
	11/8/2007		9.80	11.93
	2/28/2008		8.74	12.99
	5/29/2008		8.76	12.97
	8/27/2008		9.02	12.71
	11/25/2008		8.73	13.00

Table I, Summary of Groundwater Elevation Measurements BEI Job No. 203004, Former Fiesta Beverage 966 89th Avenue, Oakland, California				
Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)
MW-2	8/6/1993	18.44	8.68	9.76
	1/12/1996		8.24	10.20
	4/16/1996		7.41	11.03
	7/15/1996		8.45	9.99
	10/16/1996		8.73	9.71
	12/15/1998		8.05	10.39
	1/18/2001		8.24	10.20
	4/25/2001		7.88	10.56
	3/17/03*		7.08	11.36
	6/23/2003		8.90	9.54
	9/18/2003		8.61	9.83
	12/15/2003		7.97	10.47
	6/15/2004		8.42	10.02
	12/15/2004		8.00	10.44
	6/29/2005		9.51	8.93
	6/12/2006	21.45	8.25	13.20
	2/19/2007		8.12	13.33
	6/21/2007		9.00	12.45
	8/9/2007		8.62	12.83
	11/8/2007		8.60	12.85
	2/28/2008		7.20	14.25
	5/29/2008		8.55	12.90
	8/27/2008		8.76	12.69
	11/25/2008		8.63	12.82

Table I, Summary of Groundwater Elevation Measurements BEI Job No. 203004, Former Fiesta Beverage 966 89th Avenue, Oakland, California				
Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)
MW-3	8/6/1993	19.01	9.07	9.94
	1/12/1996		8.65	10.36
	4/16/1996		7.82	11.19
	7/15/1996		8.88	10.13
	10/16/1996		9.16	9.85
	12/15/1998		8.45	10.56
	1/18/2001		8.57	10.44
	4/25/2001		8.29	10.72
	3/17/03*		8.50	10.51
	6/23/2003		9.05	9.96
	9/18/2003		9.11	9.90
	12/15/2003		8.03	10.98
	6/15/2004		8.85	10.16
	12/15/2004		8.84	10.17
	6/29/2005		9.00	10.01
	6/12/2006	22.02	8.62	13.40
	2/19/2007		8.12	13.90
	6/21/2007		9.86	12.16
	8/9/2007		9.60	12.42
	11/8/2007		8.83	13.19
	2/28/2008		7.99	14.03
	5/29/2008		8.57	13.45
	8/27/2008		9.60	12.42
	11/25/2008		9.02	13.00
MW-4	6/12/2006	21.34	8.37	12.97
	2/19/2007		7.77	13.57
	6/21/2007		8.48	12.86
	11/8/2007		8.61	12.73
	2/28/2008		7.73	13.61
	5/29/2008		8.39	12.95
	8/27/2008		8.76	12.58
	11/25/2008		8.54	12.80

Table I, Summary of Groundwater Elevation Measurements BEI Job No. 203004, Former Fiesta Beverage 966 89th Avenue, Oakland, California				
Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)
MW-5	6/12/2006	22.53	8.75	13.78
	2/19/2007		8.61	13.92
	6/21/2007		9.05	13.48
	8/9/2007		9.17	13.36
	11/8/2007		9.11	13.42
	2/28/2008		8.18	14.35
	5/29/2008		9.06	13.47
	8/27/2008		9.31	13.22
	11/25/2008		9.03	13.50
MW-6	6/12/2006	21.97	8.59	13.38
	2/19/2007		7.93	14.04
	6/21/2007		9.83	12.14
	11/8/2007		9.58	12.39
	2/28/2008		9.90	12.07
	5/29/2008		8.50	13.47
	8/27/2008		9.52	12.45
	11/25/2008		8.80	13.17
MW-7	6/12/2006	21.21	8.31	12.90
	2/19/2007		7.85	13.36
	6/21/2007		8.51	12.70
	11/8/2007		8.68	12.53
	2/28/2008		7.81	13.40
	5/29/2008		8.60	12.61
	8/27/2008		8.72	12.49
	11/25/2008		8.70	12.51
MW-8	6/12/2006	20.97	8.37	12.60
	2/19/2007		7.99	12.98
	6/21/2007		8.53	12.44
	11/8/2007		8.61	12.36
	2/28/2008		7.79	13.18
	5/29/2008		8.61	12.36
	8/27/2008		8.76	12.21
	11/25/2008		8.56	12.41

Table I, Summary of Groundwater Elevation Measurements BEI Job No. 203004, Former Fiesta Beverage 966 89th Avenue, Oakland, California				
Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)
MW-9	6/12/2006	20.98	8.50	12.48
	2/19/2007		8.08	12.90
	6/21/2007		8.55	12.43
	11/8/2007		8.67	12.31
	2/28/2008		8.02	12.96
	5/29/2008		8.51	12.47
	8/27/2008		8.81	12.17
	11/25/2008		8.64	12.34

Notes:

TOC = Top of Casing

* = Initial data set collected under direction of Blymyer Engineers, Inc.

NM = Not measured

' = Resurveyed on February 7, or June 22. 2006 by CSS Environmental Services, Ir

Elevations in feet above mean sea level

Table III, Summary of Groundwater Sample Hydrocarbon Analytical Results BEI Job No. 203004, Former Fiesta Beverage 966 89th Avenue, Oakland, California							
Well ID	Sample Date	Modified EPA Method 8015 (µg/L)	EPA Method 8020 or 8021B (µg/L)				
		TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MCL		N/A	1	150	700	1,750	13
Drinking Water Source [1]		100	1	40	30	20	5
Non-Drinking Water Source [2]		210	46	130	43	100	1,800
MW-1	8/6/1993	**17,000**	**7.1**	**8.4**	**9.2**	**53**	NA
	1/12/1996	**12,000**	**1,900**	**840**	**370**	**1,100**	NA
	4/16/1996	**3,500**	**700**	**55**	**100**	**180**	NA
	7/15/1996	**11,000**	**2,300**	**450**	**350**	**910**	NA
	10/16/1996	**21,000**	**4,200**	**2,200**	**650**	**2,600**	NA
	12/15/1998	**10,000**	**1,800**	**520**	**270**	**1,100**	<350
	1/18/2001	**11,000** [a]	**2,000**	**320**	**320**	**1,100**	<120
	4/25/2001	**2,100** [a, c]	**270**	**46**	**59**	**130**	<5.0
	3/17/2003*	**2,200** [a]	**260**	**19**	**36**	**54**	NA [d]
	6/23/2003	**6,100** [a]	**930**	**53**	**99**	**200**	NA
	9/18/2003	**3,800** [a]	**660**	**13**	**24**	**34**	NA
	12/15/2003	**260** [a]	**19**	**1.1**	<0.5	**1.5**	NA
	6/15/2004	**5,200** [a]	**520**	**13**	**38**	**39**	<50
	12/15/2004	**2,400** [a]	**370**	**8.2**	**13**	**14**	<15
	6/29/2005	**5,500** [a]	**750**	**27**	**94**	**140**	<100
	5/8/2006	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
	2/19/2007	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
	6/21/2007	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
	11/8/2007	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
	2/28/2008	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
	5/29/2008	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
	8/27/2008	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
	11/25/2008	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed

Table III, Summary of Groundwater Sample Hydrocarbon Analytical Results BEI Job No. 203004, Former Fiesta Beverage 966 89th Avenue, Oakland, California							
Well ID	Sample Date	Modified EPA Method 8015 (µg/L)	EPA Method 8020 or 8021B (µg/L)				
		TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MCL		N/A	1	150	700	1,750	13
Drinking Water Source [1]		100	1	40	30	20	5
Non-Drinking Water Source [2]		210	46	130	43	100	1,800
MW-1R	6/13/2006	**90** [a]	**24**	<0.5	<0.5	**1.9**	**7.0**
	2/19/2007	**200** [a]	**8**	**0.80**	**12**	**8.7**	<5.0
	6/21/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/9/2007	**870** [a]	**140**	**6.3**	**23**	**22**	<10
	11/8/2007	**3,800** [a]	**330**	**22**	**140**	**130**	<30
	2/28/2008	**150** [a]	**5.5**	<0.5	**3.9**	**2.2**	<5.0
	5/29/2008	**690** [a]	**44**	**2**	**35**	**7.8**	<5.0
	8/27/2008	**190** [a]	**14**	<0.5	**8.1**	**1.5**	<5.0
	11/25/2008	**130** [a]	**11**	<0.5	**10**	**1.5**	<5.0

Table III, Summary of Groundwater Sample Hydrocarbon Analytical Results BEI Job No. 203004, Former Fiesta Beverage 966 89th Avenue, Oakland, California							
Well ID	Sample Date	Modified EPA Method 8015 (µg/L)	EPA Method 8020 or 8021B (µg/L)				
		TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MCL		N/A	1	150	700	1,750	13
Drinking Water Source [1]		100	1	40	30	20	5
Non-Drinking Water Source [2]		210	46	130	43	100	1,800
MW-2	8/6/1993	2,700	1.3	1.7	2.0	8.1	NA
	1/12/1996	2,700	600	310	94	220	NA
	4/16/1996	190	39	11	10	14	NA
	7/15/1996	700	160	33	34	48	NA
	10/16/1996	190	48	8.2	10	13	NA
	12/15/1998	200	62	17	4.9	14	4.4 [b]
	1/18/2001	300 [a]	74	26	7.3	21	7.3
	4/25/2001	<50 [c]	4.5	2.2	0.6	1.9	<5.0
	3/17/2003*	78 [a]	26	3.3	1.5	3.5	NA [d]
	6/23/2003	160 [a]	51	1.6	1.2	1.8	NA
	9/18/2003	<50	2.1	<0.5	<0.5	<0.5	NA
	12/15/2003	<50	12	<0.5	<0.5	<0.5	NA
	6/15/2004	95 [a]	15	1.3	1.8	1.2	<30
	12/15/2004	<50	11	0.97	0.6	0.9	7.8
	6/29/2005	130	29	2.0	3.3	3.4	6.7
	6/13/2006	150 [a]	59	3.0	3.4	2.7	11
	2/19/2007	51 [a]	8	1.6	1.0	2.8	7.1
	6/21/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/9/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/8/2007	160 [a]	23	5.0	5.3	14	<10
	2/28/2008	<50	1.3	<0.5	<0.5	<0.5	<5.0
	5/29/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/2008	<50	1.1	<0.5	<0.5	<0.5	<5.0
	11/25/2008	<50	1.2	<0.5	<0.5	<0.5	<5.0

Table III, Summary of Groundwater Sample Hydrocarbon Analytical Results BEI Job No. 203004, Former Fiesta Beverage 966 89th Avenue, Oakland, California							
Well ID	Sample Date	Modified EPA Method 8015 (µg/L)	EPA Method 8020 or 8021B (µg/L)				
		TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MCL		N/A	1	150	700	1,750	13
Drinking Water Source [1]		100	1	40	30	20	5
Non-Drinking Water Source [2]		210	46	130	43	100	1,800
MW-3	8/6/1993	**5,200**	**2.1**	**2.9**	**3.6**	**17**	NA
	1/12/1996	**4,500**	**280**	**180**	**120**	**470**	NA
	4/16/1996	**5,400**	**370**	**340**	**160**	**580**	NA
	7/15/1996	**1,800**	**200**	**220**	**66**	**250**	NA
	10/16/1996	**2,000**	**340**	**140**	**100**	**300**	NA
	12/15/1998	**1,400**	**200**	**39**	**72**	**150**	<22
	1/18/2001	**1,800** [a]	**240**	**41**	**86**	**120**	<10
	4/25/2001	**8,300** [a, c]	**300**	**330**	**200**	**1,100**	<20
	3/17/2003*	**2,100** [a]	**240**	**78**	**10**	**280**	NA [d]
	6/23/2003	<50	**2.5**	**0.6**	**0.69**	**1.4**	NA
	9/18/2003	<50	<0.5	<0.5	<0.5	<0.5	NA
	12/15/2003	**2,400**	**300**	**120**	**140**	**260**	NA
	6/15/2004	<50	**1.1**	<0.5	<0.5	<0.5	**6.2**
	12/15/2004	**1,600** [a]	**140**	**83**	**83**	**230**	<15
	6/29/2005	**230** [a]	**27**	**6.1**	**7.2**	**15**	<15
	6/13/2006	**68** [a]	**3.1**	**1.8**	<0.5	<0.5	<5.0
	2/19/2007	**280** [a]	**49**	**11**	**18**	**23**	<5.0
	6/21/2007	**1,500** [a]	**120**	**64**	**62**	**250**	<50
	8/9/2007	**2,400** [a]	**140**	**19**	**100**	**110**	<65
	11/8/2007	**440** [a]	**7.2**	**3.3**	**8.6**	**26**	<15
	2/28/2008	**320** [a]	**10**	**5.8**	**9.6**	**32**	<12
	5/29/2008	<50	**1.0**	<0.5	<0.5	<0.5	<5.0
	8/27/2008	<50	**1.3**	<0.5	<0.5	<0.5	<5.0
	11/25/2008	**61** [a]	**4.8**	**0.56**	**1.1**	**1.5**	<5.0

Table III, Summary of Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 203004, Former Fiesta Beverage
966 89th Avenue, Oakland, California

Well ID	Sample Date	Modified EPA Method 8015 (µg/L)	EPA Method 8020 or 8021B (µg/L)				
		TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MCL		N/A	1	150	700	1,750	13
Drinking Water Source [1]		100	1	40	30	20	5
Non-Drinking Water Source [2]		210	46	130	43	100	1,800
MW-4	6/12/2006	<50	<0.5	<0.5	<0.5	<0.5	**5.7**
	2/19/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	6/21/2007	<50	<0.5	<0.5	<0.5	<0.5	**5.9**
	11/8/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/28/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/25/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
MW-5	6/12/2006	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/19/2007	<50	<0.5	<0.5	<0.5	<0.5	**5.6**
	6/21/2007	<50	<0.5	<0.5	<0.5	<0.5	**5.4**
	11/8/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/28/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/25/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
MW-6	6/13/2006	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/19/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	6/21/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/8/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/28/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/25/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0

Table III, Summary of Groundwater Sample Hydrocarbon Analytical Results BEI Job No. 203004, Former Fiesta Beverage 966 89th Avenue, Oakland, California							
Well ID	Sample Date	Modified EPA Method 8015 (µg/L)	EPA Method 8020 or 8021B (µg/L)				
		TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MCL		N/A	1	150	700	1,750	13
Drinking Water Source [1]		100	1	40	30	20	5
Non-Drinking Water Source [2]		210	46	130	43	100	1,800
MW-7	6/12/2006	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/19/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	6/21/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/8/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/28/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/25/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
MW-8	6/12/2006	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/19/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	6/21/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/8/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/28/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/25/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
MW-9	6/12/2006	<50	<0.5	<0.5	<0.5	<0.5	**5.6**
	2/19/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	6/21/2007	<50	<0.5	<0.5	<0.5	<0.5	**5.6**
	11/8/2007	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/28/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/25/2008	<50	<0.5	<0.5	<0.5	<0.5	<5.0

Table III, Summary of Groundwater Sample Hydrocarbon Analytical Results BEI Job No. 203004, Former Fiesta Beverage 966 89th Avenue, Oakland, California							
Well ID	Sample Date	Modified EPA Method 8015 (µg/L)	EPA Method 8020 or 8021B (µg/L)				
		TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MCL		N/A	1	150	700	1,750	13
Drinking Water Source [1]		100	1	40	30	20	5
Non-Drinking Water Source [2]		210	46	130	43	100	1,800

Notes: ug/L = micrograms per liter

TPH = Total Petroleum Hydrocarbons

EPA = Environmental Protection Agency

MTBE = Methyl *tert*-Butyl Ether

[1] = From Table A; RWQCB Environmental Screening Levels (ESLs); Groundwater IS a Current or Potential Source of Drinking Water; May 2008 Update

[2] = From Table B; RWQCB Environmental Screening Levels (ESLs); Groundwater IS NOT a Current or Potential Source of Drinking Water; May 2008 Update

RWQCB = California Regional Water Quality Control Board, San Francisco Bay Region

ESL = Environmental Screening Level

N/A = Not applicable

NA = Not analyzed

RBSL = Risk Based Screening Level

<x = Analyte not detected at reporting limit *x*

* = Initial data set collected under direction of Blymyer Engineers, Inc.

[a] = Laboratory note indicates the unmodified or weakly modified gasoline is significant.

[b] = Confirmed with EPA Method 8260.

[c] = Groundwater samples for MW-1 and MW-3 suspected to have been switched (mismarked) in field. First collection of groundwater samples after application of Hydrogen Peroxide on March 7, 2001.

[d] = Analysis conducted by EPA Method 8260. See Table III.

Bold results indicate detectable analyte concentrations.

Note: Shaded cell indicates that detected concentration exceeds *Non-Drinking Water* ESL

Table IV, Summary of Groundwater Sample Fuel Oxygenate Analytical Results
BEI Job No. 203004, Former Fiesta Beverage
966 89th Avenue, Oakland, California

Well ID	Sample Date	EPA Method 8260B (ug/L)								
		TAME	TBA	EBD	1,2-DCA	DIPE	Ethanol	ETBE	Methanol	MTBE
Drinking Water Source [1]		NV	12	0.05	0.5	NV	NV	NV	NV	5
Non-Drinking Water Source [2]		NV	18,000	150	200	NV	NV	NV	NV	1,800
MW-1	3/17/2003	**8.3**	<5.0	NA	NA	<0.50	NA	<0.50	NA	**10.0**
	6/23/2003	**6.4**	<25	NA	NA	<2.5	NA	<2.5	NA	**8.0**
	9/18/2003	**5.3**	<25	NA	NA	<2.5	NA	<2.5	NA	**8.5**
	12/15/03[3]	**9.0**	<5.0	NA	NA	<0.5	NA	<0.5	NA	**12.0**
MW-2	3/17/2003	**2.1**	**6.0**	NA	NA	<0.50	NA	<0.50	NA	**13.0**
	6/23/2003	**4.5**	<5.0	NA	NA	<0.50	NA	<0.50	NA	**11.0**
	9/18/2003	**0.7**	<25	NA	NA	<2.5	NA	<2.5	NA	**5.0**
	12/15/03[3]	**3.2**	**5.2**	NA	NA	<0.5	NA	<0.5	NA	**13.0**
	6/13/2006	**4.5**	**6.5**	<5.0	<5.0	<5.0	<50	<0.5	<500	**7.6**
MW-3	3/17/2003	**4.3**	**8.6**	NA	NA	<0.50	NA	<0.50	NA	**10.0**
	6/23/2003	**2.6**	<5.0	NA	NA	<0.50	NA	<0.50	NA	**5.6**
	9/18/2003	**3.6**	<25	NA	NA	<2.5	NA	<2.5	NA	**10.0**
	12/15/03[3]	**2.7**	<5.0	NA	NA	<0.5	NA	<0.5	NA	**13.0**

Table IV, Summary of Groundwater Sample Fuel Oxygenate Analytical Results
BEI Job No. 203004, Former Fiesta Beverage
966 89th Avenue, Oakland, California

Well ID	Sample Date	EPA Method 8260B (ug/L)								
		TAME	TBA	EBD	1,2-DCA	DIPE	Ethanol	ETBE	Methanol	MTBE
Drinking Water Source [1]		NV	12	0.05	0.5	NV	NV	NV	NV	5
Non-Drinking Water Source [2]		NV	18,000	150	200	NV	NV	NV	NV	1,800
MW-4	6/12/2006	NA	NA	NA	NA	NA	NA	NA	NA	**6.1**

Notes:
TAME = Methyl tert-Amyl Ether
TBA = tert-Butyl Alcohol
EDB = 1,2-Dibromoethane
1,2-DCA = 1,2-Dichloroethane
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
MTBE = Methly tert-butyl ether
(µg/L) = Micrograms per liter
NV = No value
NA = Not analyzed

[1] = From Table A; Environmental Screening Levels (ESLs); Groundwater IS a Current or Potential Source of Drinking Water

[2] = From Table B; RWQCB Environmental Screening Levels (ESLs); Groundwater IS NOT a Current or Potential Source of Drinking Water

[3] = In general after this date, fuel oxygenates were monitored using MTBE detected by EPA Method 8020B, as a proxy for the approximate concentration of the remaining fuel oxygenates.

Bold results indicate detectable analyte concentrations.
Note: Shaded cell indicates that detected concentration exceeds *Non-Drinking Water* ESL

Table 2
Groundwater Monitoring Data
Former Fiesta Beverages
966 89th Avenue
Oakland, California

Well ID#	Sample Date	Reference Elevation [feet]	Depth to Groundwater[b] (feet)	Groundwater Elevation (feet)	Analytical Methods: EPA 8015 TPH as Gasoline (ppb)	EPA 8260B: Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (total) (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	TBA (ppb)	EDB (ppb)	EDC (ppb)
MW-1R	7/22/10	21.75	9.03	12.72	<50	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
MW-2	7/22/10	21.45	8.55	12.90	<50	2.0	<0.50	<0.50	<1.50	3.4	<0.50	<0.50	1.4	<5.0	<0.50	<0.50
MW-3	7/22/10	22.02	9.11	12.91	170[a]	9.2	<0.50	5.6	<1.50	2.4	<0.50	<0.50	1.8	<5.0	<0.50	<0.50
MW-4	7/22/10	21.34	Well Inaccessible													
MW-5	7/22/10	22.53	9.02	13.51	<50	<0.50	<0.50	<0.50	<1.50	1.0	<0.50	<0.50	0.98	<5.0	<0.50	<0.50
MW-6	7/22/10	21.97	8.69	13.28	<50	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
MW-7	7/22/10	21.21	8.56	12.65	<50	<0.50	<0.50	<0.50	<1.50	0.77	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
MW-8	7/22/10	20.97	8.58	12.39	<50	<0.50	<0.50	<0.50	<1.50	0.82	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
MW-9	7/22/10	20.98	8.46	12.52	<50	<0.50	<0.50	<0.50	<1.50	1.6	<0.50	<0.50	1.3	<5.0	<0.50	<0.50

Notes:

Reference Elevation = Elevation relative to mean sea level.
Depth to Groundwater = Measured from notch/mark on north edge of well casing.
MTBE = Methyl tert-butyl ether
DIPE = Diisopropyl ether
ETBE = Ethyl-tert-butyl ether
TAME = Tert-amyl methyl ether
TBA = Tert-butyl alcohol
TPH = Total petroleum hydrocarbons
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
< = Not detected at or above value shown
ppb = parts per billion
a = Not typical Gasoline standard pattern. Hydrocarbons in the range of C5-C12 quantified as Gasoline.
b = Groundwater elevation measured on 7/21/10

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

ALLCAL Property Services	Client Project ID: #133; Fiesta Beverage	Date Sampled: 11/30/99
27973 High Country Drive		Date Received: 12/01/99
Hayward, CA 94542-2530	Client Contact: John Mrakovich	Date Extracted: 12/02-12/07/99
	Client P.O:	Date Analyzed: 12/02-12/07/99

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)*	MTBE	Benzene	Toluene	Ethylben-zene	Xylenes	% Recovery Surrogate
26586	Trip Blank	W	ND	ND	ND	ND	ND	ND	96
26587	B-1	W	850,b,j	ND	0.94	3.0	0.70	5.7	118
26588	B-2	W	3200,a,i	ND<10	94	210	79	370	101
26589	B-3	W	90,j,i	ND	ND	ND	ND	0.52	99
26590	B-4	W	ND	ND	ND	ND	ND	ND	108
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/L

cluttered chromatogram; sample peak coelutes with surrogate peak

*The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.

DHS Certification No. 1644

Edward Hamilton, Lab Director

Table III, Summary of Grab Groundwater Sample Hydrocarbon Analytical Results.
BEI Job No. 203004, Fiesta Beverage
966 89th Avenue, Oakland, California

Sample ID	Date	Modified EPA Method 8015 (µg/L)	EPA Method 8020 (µg/L)				
		TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
W1*	1/15/91	25,000	3,100	2,900	380	2,800	NA
W2*	1/15/91	36,000	3,700	4,300	840	4,900	NA
B-1 [d]	11/30/99	850 [a, b]	0.94	3.0	0.70	5.7	<5.0
B-2 [d]	11/30/99	3,200 [a, c]	94	210	79	370	<10
B-3 [d]	11/30/99	90 [b]	<0.5	<0.5	<0.5	0.52	<5.0
B-4 [d]	11/30/99	<50	<0.5	<0.5	<0.5	<0.5	<5.0
GP1-W	9/27/04	14,000 [c]	210	190	84	420	<50
GP2-W	9/27/04	790 [c]	28	59	25	110	<10
GP3-W	9/27/04	<50	<0.5	1.3	<0.5	0.53	8.7
GP4-W	9/27/04	7,200 [c]	5.0	<5	46	110	<50
GP5-W	9/27/04	14,000 [c]	94	25	380	1,300	<50
GP6-W	9/27/04	12,000 [c]	99	60	320	1,200	<50
GP7-W	9/27/04	<50	1.4	<0.5	<0.5	0.88	12
GP8-W	9/27/04	1,300 [c]	73	180	37	150	<15
RWQCB RBSL Commercial / Industrial Land Use; Groundwater Not a Potential Source of Drinking Water		500	46	130	290	13	1,800
MCL		N/A	1.0	150	700	1,750	13

Table III, Summary of Grab Groundwater Sample Hydrocarbon Analytical Results, cont.

Notes:

µg/L	=	Micrograms per liter
TPH	=	Total Petroleum Hydrocarbons
MTBE	=	Methyl *tert*-butyl ether
NA	=	Not analyzed
<x	=	Less than the analytical detection limit (x)
EPA	=	Environmental Protection Agency
MCL	=	Maximum Contamination Level
N/A	=	Not applicable
*	=	Pit water collected at a depth of 14 feet below grade surface.
[a]	=	Laboratory note indicates that heavier gasoline range compounds are significant (aged gasoline?).
[b]	=	Laboratory note indicates no recognizable pattern.
[c]	=	Laboratory note indicates unmodified or weakly modified gasoline is significant.
[d]	=	B-1 to B-4 were grab groundwater samples collected from soil bores SB1 to SB4.

Bold results indicate detectable analyte concentrations.
Shaded results indicate analyte concentrations above the RWQCB RBSL value.

Table 1
Soil Gas and Sub-Slab Vapor Analytical Data
Former Fiesta Beverages
966 89th Ave
Oakland, California

Sample ID and Depth	Sample Date	Sample Time	EPA Analytical Test Methods											
			ASTM D1946				TO-15							TO-3 (MOD)
			Carbon Dioxide (%)	Helium (%)	Oxygen (%)	Methane (%)	Benzene (µg/m3)	Ethyl Benzene (µg/m^3)	Toluene (µg/m^3)	Total Xylenes (µg/m^3)	MTBE (µg/m^3)	TBA (µg/m^3)	All Other TO-15 Compounds (µg/m^3)	TPHg (µg/m^3)
SGP-1-3.0'	7/21/2010	1215	1.3	0.25	15.1	<0.0008	<3.2	<4 3	90.3	<13[a]	<3.6	<17	ND	<1,400[b]
SVP-1-0.5'	7/21/2010	1356	7.03	0.26	10.6	<0.0007	<3.2	<4.3	78.6	5.29[d]	<3.6	<17	ND	<1,400[b]
CHHSLS (µg/m^3) and SFRWQCB ESLs (µg/m^3) Residential Property Use														
			N/A	N/A	N/A		84	420[c]	63,000	21,000	9,400	N/A	N/A	10,000
CHHSLS (µg/m^3) and SFRWQCB ESLs (µg/m^3) Commercial Property Use														
			N/A	N/A	N/A		280	1,400[c]	180,000	58,000	31,000	N/A	N/A	29,000

ATTACHMENT 5

Notes:

SGP = Soil gas probe
SVP = Sub-slab vapor probe
MTBE= Methyl Tert-Butyl Ether
TPHg = Total Petroleum Hydrocarbons as gasoline
TBA = Tert-Butyl Alcohol
µg/m^3 = Micrograms per cubic meter
% = Percent
< = Not detected at or above practical quantitation limit
ND = Not detected , see laboratory report for detection limits
N/A = Not applicable
Bold = Detected above practical quantitation limits

ASTM = American Society for Testing Material
ESL = Environmental Screening Levels for Environmental Concerns at Sites With Contaminated Soil and Groundwater (May 2008), SFBRWQCB, California EPA
http://www/waterboards/ca/gov/sanfranciscobay/esl.htm
SFRWQCB = San Francisco Bay Regional Water Quality Control Board, California EPA
CHHSLS = Use of California Human Health Screening Levels in Evaluation of Contaminanted Properties, California EPA, January 2005
EPA = Environmental Protection Agency
a = m,p-xylene ND<8.7 µg/m^3, o-xylene ND<4.3 µg/m^3
b = Reporting limit was raised due to low initial canister pressure.
c = Level derived from CHHSLS for Ethyl benzene, Draft report November 2009
d = o-xylene detected at 5.29 µg/m^3; m,p-xylene not detected

LOG OF EXPLORATORY BORING

PROJECT NUMBER 264 BORING NO. MW-1

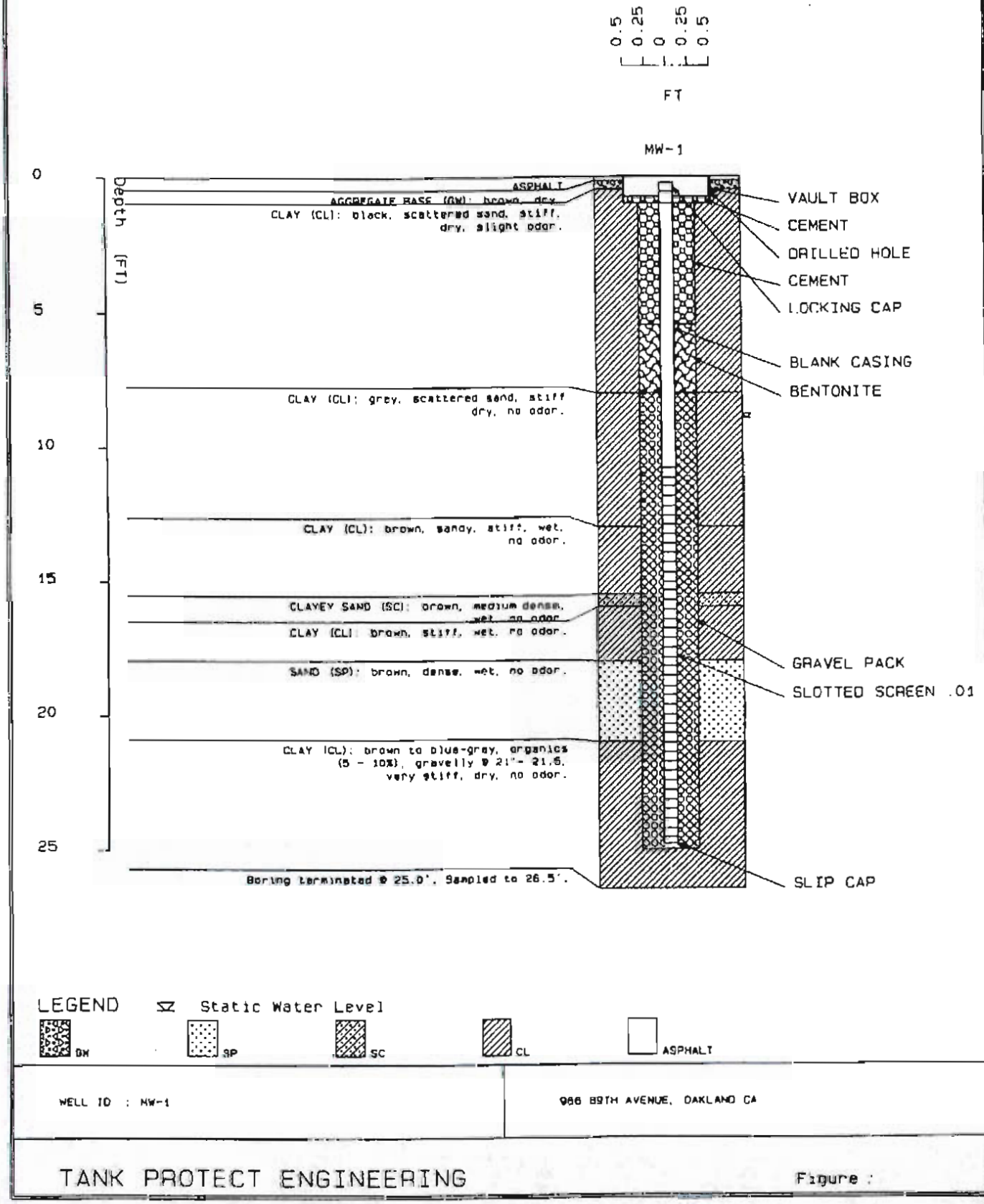
PROJECT NAME 966 89TH AVENUE, OAKLAND CA

BY LNH DATE 6/25/93 SURFACE ELEV. 19 FT

RECOVERY (FT/FT)	OVA (PPM)	PENETRATION (BLOWS/FT)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHOGRAPHIC COLUMN	DESCRIPTION
							ASPHALT
							AGGREGATE BASE (GW): brown, dry.
							CLAY (CL): black, scattered sand, stiff, dry, slight odor.
				5			
1.5/1.5		11					
			▽				CLAY (CL): grey, scattered sand, stiff dry, no odor.
				10			
1.5/1.5		16					
							CLAY (CL): brown, sandy, stiff, wet, no odor.
				15			
1.5/1.5		12					CLAYEY SAND (SC): brown, medium dense, wet, no odor.
							CLAY (CL): brown, stiff, wet, no odor.
							SAND (SP): brown, dense, wet, no odor.
				20			
1.4/1.5		44					CLAY (CL): brown to blue-grey, organics (5 - 10%), gravelly @ 21'- 21.5, very stiff, dry, no odor.
							Boring terminated @ 25.0'. Sampled to 26.5'. Hole caved from 25.0'to 26.5 .
				25			
.42/1.5		20					

REMARKS: Boring drilled with continuous-flight, hollow-stem, 8-inch O.D. augers. Samples collected in a 2.0-inch I.D. California sampler.

ATTACHMENT 6



WELL ID : MW-1

986 89TH AVENUE, OAKLAND CA

TANK PROTECT ENGINEERING

Figure :

LOG OF EXPLORATORY BORING

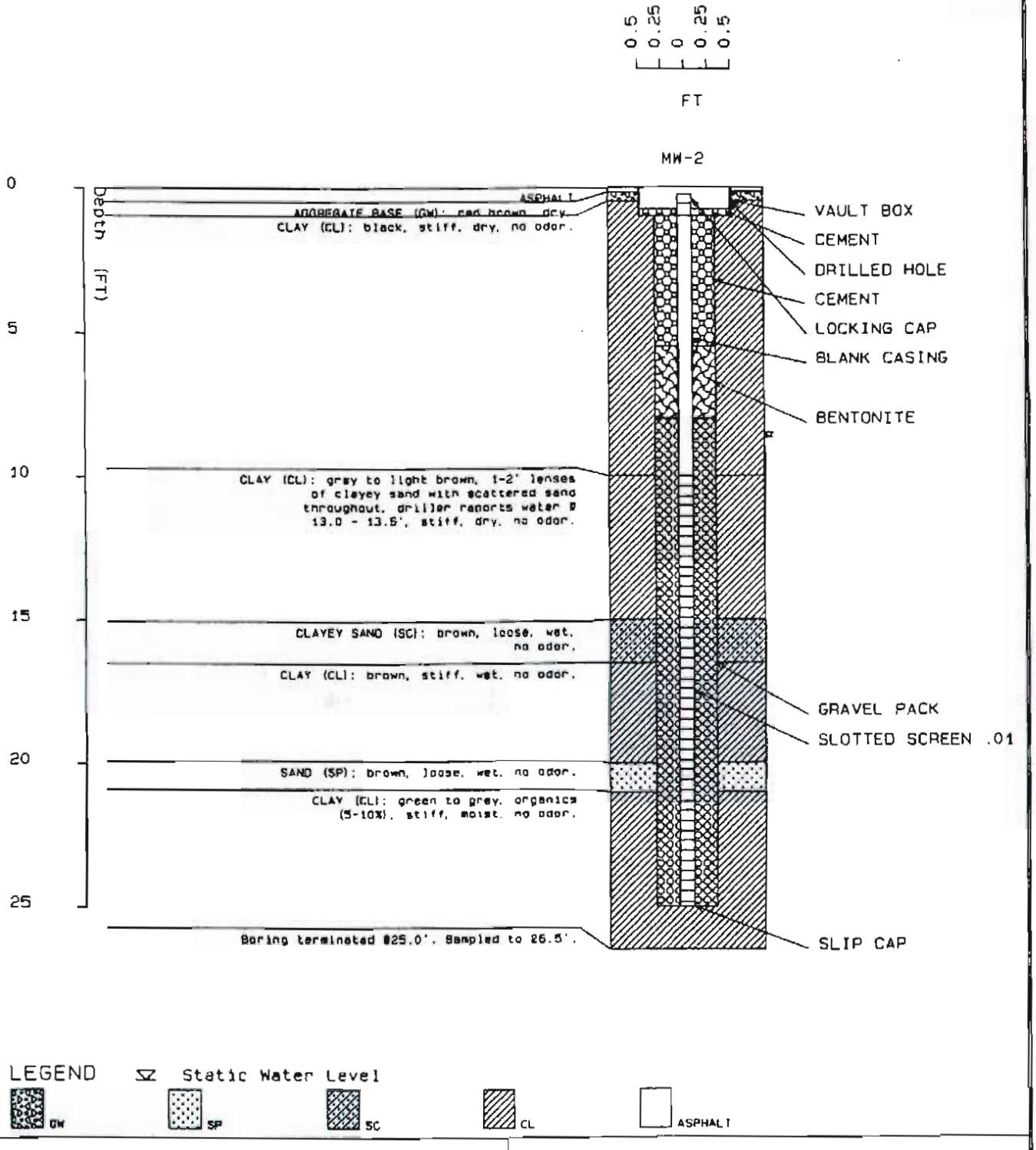
PROJECT NUMBER 264 BORING NO. MW-2

PROJECT NAME 966 89TH AVENUE, OAKLAND CA

BY LNH DATE 6/24/93 SURFACE ELEV. 18 FT

RECOVERY (FT/FT)	OVA (PPM)	PENETRATION (BLOWS/FT)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHOGRAPHIC COLUMN	DESCRIPTION
							ASPHALT
							AGGREGATE BASE (GW): red brown, dry.
							CLAY (CL): black, stiff, dry, no odor.
				5			
1.5/1.5		13					
			▽				
				10			
1.5/1.5		11					CLAY (CL): grey to light brown, 1-2" lenses of clayey sand throughout, driller reports water @ 13.0 - 13.5', stiff, dry, no odor.
				15			
1.0/1.5		8					CLAYEY SAND (SC): brown, loose, wet, no odor.
							CLAY (CL): brown, stiff, wet, no odor.
				20			
1.2/1.5		7					SAND (SP): brown, loose, wet, no odor.
							CLAY (CL): green to grey, organics (5-10%), stiff, moist, no odor.
							Boring terminated @25.0'. Sampled to 26.5'. Hole caved from 25.0' to 26.5'.
				25			
1.0/1.5		12					

REMARKS: Boring drilled with continuous-flight, hollow-stem, 8-inch O.D. augers. Samples collected in a 2.0-inch I.D. California samper.



WELL ID : MW-2

968 89TH AVENUE, OAKLAND CA

TANK PROTECT ENGINEERING

Figure :

LOG OF EXPLORATORY BORING

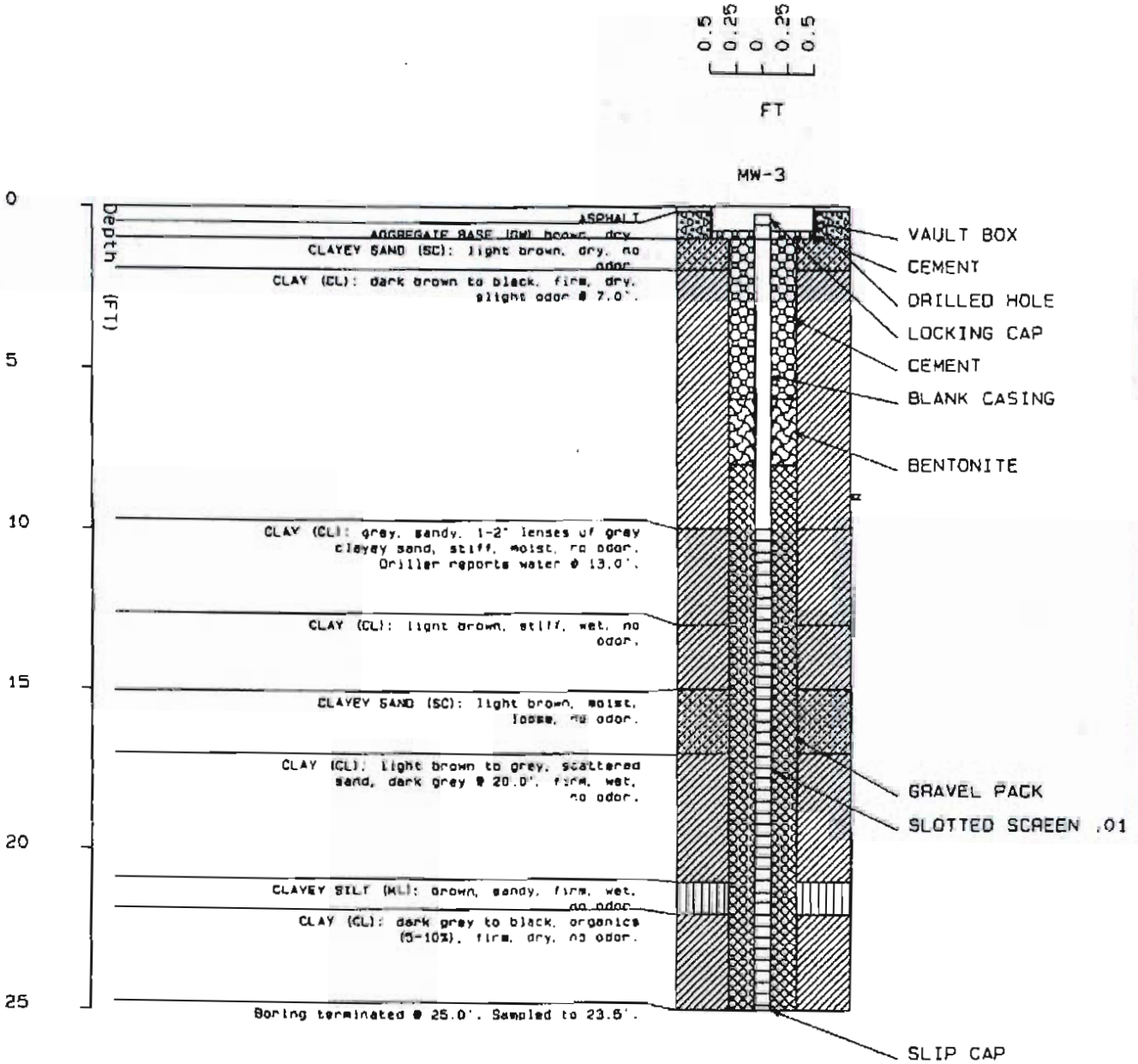
PROJECT NUMBER 264 BORING NO. MW-3

PROJECT NAME 966 89TH AVENUE, OAKLAND CA

BY LNH DATE 6/24/93 SURFACE ELEV. 19 FT

RECOVERY (FT/FT)	OVA (PPM)	PENETRATION (BLOWS/FT)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHOGRAPHIC COLUMN	DESCRIPTION
							ASPHALT
							AGGREGATE BASE (GW) brown, dry.
							CLAYEY SAND (SC): light brown, dry, no odor.
							CLAY (CL): dark brown to black, firm, dry, slight odor @ 7.0'.
1.3/1.5		7		5			
			▽				
1.0/1.5		11		10			CLAY (CL): grey, sandy, 1-2" lenses of grey clayey sand, stiff, moist, no odor. Driller reports water @ 13.0'.
0/1.5		9					
1.0/1.5		10					CLAY (CL): light brown, stiff, wet, no odor.
.75/1.5		8		15			CLAYEY SAND (SC): light brown, moist, loose, no odor.
1.2/1.5		6					CLAY (CL): light brown to gray, scattered sand, dark grey @ 20.0', firm, wet, no odor.
1.3/1.5		5					
1.2/1.5		4		20			CLAYEY SILT (ML): brown, sandy, firm, wet, no odor.
1.2/1.5		9					CLAY (CL): dark grey to black, organics (5-10%), firm, dry, no odor.
							Boring terminated @ 25.0', Sampled to 23.5'.
				25			

REMARKS: Boring drilled with continuous-flight, hollow-stem, 8-inch O.D. augers. Samples collected in a 2.0-inch I.D. California and standard penetration sampler.



LEGEND ▽ Static Water Level

GW SC ML CL ASPHALT

WELL ID : MW-3

966 89TH AVENUE, OAKLAND CA

TANK PROTECT ENGINEERING

Figure :

EXPLORATORY BORING LOG

Project Number: 133

Project Name: 966 89th Street
Oakland, CA 94621

Boring Number: SB-1

Page Number: 1 of 1

By: ALLCAL PROPERTY SERVICES, INC Date: 11/30/99

Surface Elevation: NA

RECOVERY (in/in.)	VAPORS (ppm)	PENETRATION (blows/ft.)	GROUND-WATER LEVEL	DEPTH (ft.)	SAMPLES ANALYZED	SOIL TYPE	DESCRIPTION
							0 - .33 FT.: AGGREGATE BASE
48/48						CL	.33 - 4.0 FT.: CLAY (CL), BROWN, SOFT TO MEDIUM-FIRM, DAMP, NO ODOR.
				5			
48/48						CL	4.0 - 12.0 FT.: CLAY (CL), GREY, SOFT, DAMP, SLIGHT GASOLINE ODOR BEGINNING AT 6 FEET.
48/48				10			@ 10 FT.: STAINED GREEN
						CL	12.0 - 14.0 FT.: CLAY (CL), BROWN, SOFT, DAMP, SLIGHT ODOR.
48/48			▼	15		ML	14.0 - 16.0 FT.: CLAYEY SILT (ML), GREEN, MOIST TO SATURATED, GASOLINE ODOR.
							@ 16.0 FT.: SAND (SP), GREEN-BROWN, SATURATED, GASOLINE ODOR AND SHEEN.
							CONTINUOUSLY CORED TO 16 FT. DISCRETE WATER SAMPLER PUSHED FROM 16 TO 18 FEET.

Remarks: BORING CONTINUOUSLY CORED WITH 2.0 - INCH O. D., DIRECT-PUSH, GEOPROBE SYSTEM. SAMPLES COLLECTED IN 1.75- BY 48 - INCH PETG LINER. BORING SEALED TO GROUND SURFACE WITH NEAT CEMENT.

EXPLORATORY BORING LOG

Project Number: 133

Project Name: 966 89th Street
Oakland, CA 94621

Boring Number: SB-2

Page Number: 1 of 1

By: ALLCAL PROPERTY SERVICES, INC Date: 11/30/99 Surface Elevation: NA

RECOVERY (in/in.)	VAPORS (ppm)	PENETRATION (blows/ft.)	GROUND-WATER LEVEL	DEPTH (ft.)	SAMPLES ANALYZED	SOIL TYPE	DESCRIPTION
							0 - .5 FT.: AGGREGATE BASE
48/48						CL	.5 - 4.0 FT.: CLAY (CL), BROWN, SOFT TO MEDIUM-FIRM, DAMP, NO ODOR.
				5			
48/48						CL	4.0 - 13.0 FT.: CLAY (CL), GREY, SOFT, MEDIUM-FIRM, GASOLINE ODOR BEGINNING AT 8 FEET.
							@ 9 FT.: 3-INCH GRAVELLY LAYER.
48/48				10			@ 10 FT.: SHELL FRAGMENTS.
48/48			▼	15		ML	13.0 - 16.0 FT.: CLAYEY SILT (ML), GREEN, MOIST TO SATURATED, GASOLINE ODOR.
							CONTINUOUSLY CORED TO 16 FT. DISCRETE WATER SAMPLER PUSHED FROM 16 TO 18 FEET.

Remarks: BORING CONTINUOUSLY CORED WITH 2.0 - INCH O. D., DIRECT-PUSH, GEOPROBE SYSTEM. SAMPLES COLLECTED IN 1.75- BY 48 - INCH PETG LINER. BORING SEALED TO GROUND SURFACE WITH NEAT CEMENT.

EXPLORATORY BORING LOG

Project Number: 133

Project Name: 966 89th Street
Oakland, CA 94621

Boring Number: SB-3 & 4

Page Number: 1 of 1

By: ALLCAL PROPERTY SERVICES, INC Date: 11/30/99

Surface Elevation: NA

RECOVERY (in/in.)	VAPORS (ppm)	PENETRATION (blows/ft.)	GROUND-WATER LEVEL	DEPTH (ft.)	SAMPLES ANALYZED	SOIL TYPE	DESCRIPTION
				5			NO SOIL LOGGED. DISCRETE WATER SAMPLER PUSHED TO 18 FEET BELOW GRADE. SCREEN EXPOSED FROM 16 TO 18 FEET FOR COLLECTION OF WATER SAMPLES.
				10			
				15			

Remarks:

BLYMYER ENGINEERS, INC.

Soil Bore Log: GP1

Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

Job Number:	: 203004	Drilling Equipment	: Geoprobe
Date Drilled:	: September 27, 2004	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 1.75 inch
Drilling Company	: Gregg Drilling	Total Drilled Depth	: 20.0 feet
Driller	: Vince P.	Bore Angle	: 30 degrees

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: Not available; 15.5 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					6 inches concrete	Concrete	
1		10			Dark Brown SILTY CLAY (native); with medium brown SAND, medium grained (FILL); damp (saw cut)	CL	
2		0.3			Dark green brown SILTY CLAY; damp; aged gasoline odor apparent		
3						CL	
4							
5		6					
6				GP1-6	Dark brown SILTY CLAY, with caliche nodules to 1/8-inch and subrounded fine pebbles; damp to moist		
7		297					
8						CL	
9							
10							
11					Mottled dark brown and dark green SILTY CLAY; moist; odor apparent		
12							
13						CL	
14							
15		221			Medium green SILTY CLAY; odor apparent; moist to wet (groundwater at 13.5 ft vertically oriented).	CL	
16				GP1-15.5	No recovery 16 to 20 feet bgs.		
17							
18							
19							
20					Bottom of bore: 20 feet (Vertical Total Depth : 17.5 feet)		
21							

(Grouted upon completion)

PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
NO. 1758
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

06-22-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004.FB\BoreLogs\GP1.bor

BLYMYER ENGINEERS, INC.

Soil Bore Log: GP2

Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

Job Number	: 203004	Drilling Equipment	: Geoprobe
Date Drilled	: September 27, 2004	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 1.76 inch
Drilling Company	: Gregg Drilling	Total Drilled Depth	: 20.0 feet
Driller	: Vince P.	Bore Angle	: No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: ▼ 10.5 feet; ▽ 15.5 feet

(Grouted upon completion)

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					3 inches asphalt	Asphalt	
1					Dark Brown to Black SILTY CLAY ; damp		
2							
3		37					
4		628					
5							
6						CL	
7							
8							
9							
10							
11		485					
12				GP2-11.5	Dark brown SILTY CLAY; with slight greenish mottling; damp; odor apparent	CL	
13							
14							
15				GP2-15	Mottled light green and light brown SILTY CLAY, moist to wet	CL	
16		19.1					
17					Grades light brown	CL	
18					Light brown CLAYEY SAND, fine grained; with black organic carbon (native); wet	SC	
19				GP2-19	Light brown CLAYEY SILT; wet	ML	
20					Bottom of bore: 20 feet		
21							

PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
No. 1738
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

06-22-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004.FBIBoreLogs\GP2.bor

BLYMYER ENGINEERS, INC.

Soil Bore Log: GP3

Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

Job Number:	: 203004	Drilling Equipment	: Geoprobe
Date Drilled:	: September 27, 2004	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 1.75 inch
Drilling Company	: Gregg Drilling	Total Drilled Depth	: 16.0 feet
Driller	: Vince P.	Bore Angle	: 30 degrees

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: Not available; 15.0 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					7 inches concrete	Concrete	
1					Medium Brown SILTY CLAY, with 1/4-inch subrounded pebbles; damp (saw cut)		
2							
3		0.1					
4							
5							
6						CL	
7							
8							
9							
10							
11					Grades light olive brown SILTY CLAY; damp; no odor		
12		0.1					
13						CL	
14		0.1		GP3-14.5			
15				GP3-15.5	Light brown CLAYEY SILT, with 5% black organic carbon (native); wet (groundwater at 13.0 feet vertically oriented)	ML	
16					Bottom of bore: 16 feet (Vertical Total Depth: 13.75 feet)		
17							
18							
19							
20							
21							

(Grouted upon completion)

PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA
8-9-05

06-22-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004.FB\BoreLogs\GP3.bor

BLYMYER ENGINEERS, INC.

Soil Bore Log: GP4

Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

Job Number:	: 203004	Drilling Equipment	: Geoprobe
Date Drilled:	: September 27, 2004	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 1.75 inch
Drilling Company	: Gregg Drilling	Total Drilled Depth	: 16.0 feet
Driller	: Vince P.	Bore Angle	: No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: ▼ 13.5 feet; ▽ 14.5 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					2 inches asphalt	Concrete	
1					Dark olive brown SILTY CLAY; damp	CL	
2					Dark brown to black SILTY CLAY; damp; no odor		
5				GP4-5			
7						CL	
8		0.1					
11		0.1		GP4-11.5			
12					Greenish black SILTY CLAY; moist		
13		267				CL	
14		33		GP4-14	Grades light greenish brown SILTY CLAY; very moist to wet	CL	
15					Grades light brown SANDY CLAY; wet	CL	
16					Bottom of bore: 16 feet		

(Grouted upon completion)

PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
8/9/07
STATE OF CALIFORNIA

06-22-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004.FBIBoreLogs\GP4.bor

BLYMYER ENGINEERS, INC.

Soil Bore Log: GP5

Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

Job Number:	: 203004	Drilling Equipment	: Geoprobe
Date Drilled:	: September 27, 2004	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 1.75 inch
Drilling Company	: Gregg Drilling	Total Drilled Depth	: 16.0 feet
Driller	: Vince P.	Bore Angle	: No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: ▼ 13.0; ▽ 15.0 feet

(Grouted upon completion)

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					4 inches asphalt	Asphalt	
1					Black SILTY CLAY; damp		
2		10			Odor at 2 ft		
3							
4							
5						CL	
6				GP5-6			
7		17					
8							
9							
10					Grades medium olive brown SILTY CLAY; with greener mottles; moist		
11		289		GP5-11		CL	
12		116					
13				GP5-12.5	Greenish brown SILTY CLAY; moist to very moist	CL	
14							
15					Grades light greenish brown SANDY CLAY; wet	CL	
16					Bottom of bore: 16 feet		
17							
18							
19							
20							
21							

PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
6/9/07
STATE OF CALIFORNIA

06-22-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004.FB\BoreLogs\GP5.bor

BLYMYER ENGINEERS, INC.

Soil Bore Log: GP6

Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

Job Number:	: 203004	Drilling Equipment	: Geoprobe
Date Drilled:	: September 27, 2004	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 1.75 inch
Drilling Company	: Gregg Drilling	Total Drilled Depth	: 16.0 feet
Driller	: Vince P.	Bore Angle	: No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: Not available; 12.5 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					4 inches asphalt	Asphalt	
1					Dark greenish black SILTY CLAY; damp; odor		
2							
3		87					
4						CL	
5							
6		22		GP6-6			
7							
8							
9					Grades olive-green brown SILTY CLAY; moist to wet		
10							
11		473				CL	
12				GP6-11.5			
13		153					
14				GP6-13.5	Grades lighter brown with green mottles SILTY CLAY, 5% fine grained sand; wet	CL	
15					Grades light brown SANDY CLAY; wet	CL	
16					Bottom of bore: 16 feet		
17							
18							
19							
20							
21							

(Grouted upon completion)

PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

06-22-2005 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004.FBBoreLogs\GP6.bor

BLYMYER ENGINEERS, INC.

Soil Bore Log: GP7

Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

Job Number:	: 203004	Drilling Equipment	: Geoprobe
Date Drilled:	: September 27, 2004	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 1.75 inch
Drilling Company	: Gregg Drilling	Total Drilled Depth	: 16.0 feet
Driller	: Vince P.	Bore Angle	: No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: Not available; 12.0 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					4 inches asphalt	Asphalt	
1					Dark greenish black SILTY CLAY; damp; odor		
2		40					
3				GP7-2.5		CL	
4							
5							
6							
7					Black SILTY CLAY; moist; odor		
8				GP7-7.5		CL	
9					Grades medium olive brown SILTY CLAY; moist; odor		
10						CL	
11							
12				GP7-11.5	Light brown CLAYEY SAND, fine grained; wet		
13		0.1					
14						SC	
15							
16					Bottom of bore: 16 feet		
17							
18							
19							
20							
21							

(Grouted upon completion)

PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

06-22-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004_FBABoreLogs\GP7.bor

BLYMYER ENGINEERS, INC.

Soil Bore Log: GP8

Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

Job Number	: 203004	Drilling Equipment	: Geoprobe
Date Drilled:	: September 27, 2004	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 1.75 inch
Drilling Company	: Gregg Drilling	Total Drilled Depth	: 16.0 feet
Driller	: Vince P.	Bore Angle	: No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: Not available; 12.0 feet

(Grouted upon completion)

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					4 inches asphalt	Asphalt	
1					Black SILTY CLAY, with shades of green; damp; odor	CL	
2							
3		76					
4					Grades black SILTY CLAY; with caliche nodules 1/8 to 1/4-inch; moist; odor	CL	
5							
6							
7		473		GP8-6.5			
8					Grades medium brown mottled with dark olive green SILTY CLAY; moist; odor	CL	
9							
10							
11		440					
12				GP8-11.5	Grades dark brown SILTY CLAY to CLAYEY SILT; wet	CL	
13							
14							
15					Grades light brown SANDY CLAY, with fine grained sand (10%) and black organic carbon; wet	CL	
16					Bottom of bore: 16 feet		
17							
18							
19							
20							
21							

PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA
9/7/04

06-22-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004.FBVBoreLogs\GP8.bor

BLYMYER ENGINEERS, INC.

Soil Bore Log: GP9

Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

Job Number:	: 203004	Drilling Equipment	: Geoprobe
Date Drilled:	: September 27, 2004	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 1.75 inch
Drilling Company	: Gregg Drilling	Total Drilled Depth	: 16.0 feet
Driller	: Vince P.	Bore Angle	: 10 degrees

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: Not available; 12.5 feet

(Grouted upon completion)

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					2 inches asphalt	Asphalt	
1					Black SILTY CLAY; damp; no odor		
2		1.1				CL	
3							
4							
5							
6							
7					Grades medium brown SILTY CLAY; moist; no odor		
8		0.6				CL	
9							
10							
11					Grades mottled medium brown and dark olive brown SILTY CLAY; moist; odor		
12		347		GP9-11.5		CL	
13					Mottled Dark brown and dark greenish brown SILTY CLAY; wet		
14						CL	
15		287			Dark olive green SANDY CLAY; wet		
16				GP9-15.5		CL	
17					Bottom of bore: 16 feet (Total Vertical Depth: 15.75 feet)		
18							
19							
20							
21							

PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

06-22-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004.FBBoreLogs\GP9.bor

BLYMYER ENGINEERS, INC.

Soil Bore Log: GP10

Former Fiesta Beverage
960 & 966 89th Avenue
Oakland, CA

Job Number:	203004	Drilling Equipment	Geoprobe
Date Drilled:	June 7, 2007	Sample Method	Continuous Sleeve
Logged By	Mark Detterman	Soil Bore Diameter	1.75 inch
Drilling Company	Precision Sampling	Total Drilled Depth	16.0 feet
Driller	Rocky / Rodrigo		

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: Not available; 15 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					2 inches asphalt	Asphalt	
1					Greyish brown chipped GRAVEL, sandy, dry; FILL.	GP	
					Grey brown GRAVELLY SAND; dry; FILL.	SW	
2					Dark green SILTY CLAY, slight odor, soft, damp to moist; FILL?.		
3							
4		7.9		GP10-4.5		CL	
5							
6							
7		6.7			Dark green SILTY CLAY; slight odor; moist.		
8				GP10-7.5		CL	
9							
10							
11		65			Native organics noted; <5%.	CL	
12				GP10-11.5	Dark green SILTY CLAY; increasing percentage silt; increasing moisture, trace native organics; moist.	CL	
13							
14					Dark grey with greenish cast SILTY CLAY; increasing mositure (2 inch layer of GRAVELY CLAY at 14.25 ft).	CL	
15		13			Medium green CLAYEY SAND to SANDY CLAY; fine grained; driller calls harder; wet.	SC	
16				GP10-15.5	Light brown CLAYEY SAND; fine grained; wet.	SC	
					Bottom of bore: 16 feet		
17							
18							
19							
20							

(Grouted upon completion)

08-27-2007 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\BoreLogs\GP10.bor

BLYMYER ENGINEERS, INC.

Soil Bore Log: GP11

Former Fiesta Beverage
960 & 966 89th Avenue
Oakland, CA

Job Number	: 203004	Drilling Equipment	: Geoprobe
Date Drilled	: June 7, 2007	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 1.75 inch
Drilling Company	: Precision Sampling	Total Drilled Depth	: 16.0 feet
Driller	: Rocky / Rodrigo		

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: Not available; 8 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					2 inches asphalt	Asphalt	
1					Dark grey chipped GRAVEL, sandy, dry; FILL. Tan recycled crushed granular (Well graded SANDY GRAVEL) FILL.	GP	
2							
3		5					
4				GP11-3.5		GW	
5							
6							
7					As above, very moist to wet at 6.5 to 7 feet.		
8		2.1		GP11-7.5	Dark grey to black SILTY CLAY, with small green colored blabs (< 1/8 inch); soft; damp to moist.	CL	
9					Tan to light brown SAND; very fine grained; flowing; wet.	SP	
10					Light brown to grey brown GRAVEL, subrounded fine to course grained with silt and fine grained sand (5%); wet.	GP	
11		65			Dark gray to black SILTY CLAY with two 1/2 inch black organic chunks; grades black deeper; very moist to wet.	CL	
12				GP11-11.5			
13					Tan to light brown SILTY CLAY; with dark green coloration along native rootlets (in place?); trace to moderate odor; wet.	CL	
14					Tan to light brown SAND; very fine grained; flowing; wet.	SP	
15		16			Light brown GRAVEL; fine to medium grained, with 10% very course grained; subrounded to subangular; wet. Dark grey with greenish cast SILTY CLAY; wet.	GP / CL	
16				GP11-15.5	Tan to light brown SILTY SAND; fine grained; with native organics; wet.	SM	
17					Bottom of bore: 16 feet		
18							
19							
20							

(Grouted upon completion)

08-27-2007 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\Borel.cgs\GP11.bor

Groundwater Monitoring Well: MW-1R

BLYMYER ENGINEERS, INC.

Former Fiesta Beverage
980 & 966 89th Avenue, Oakland, CA

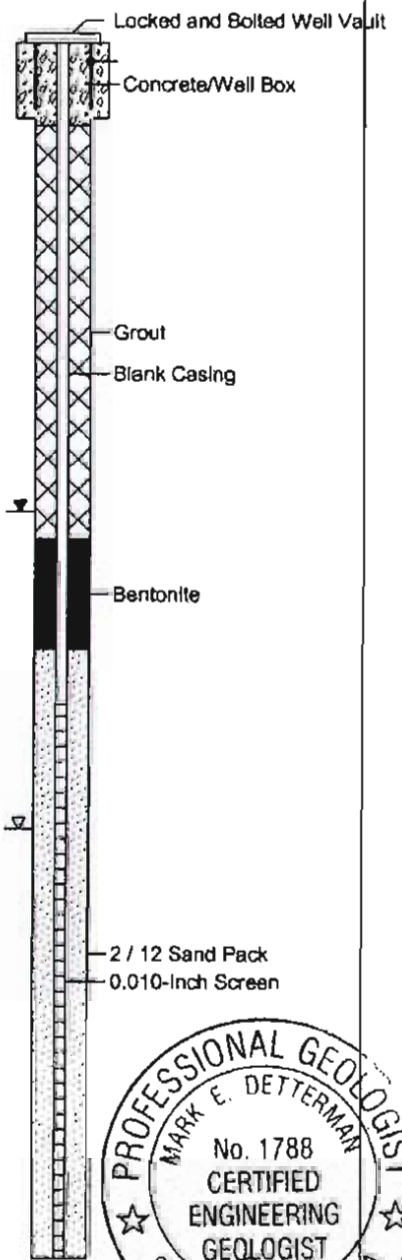
Job Number:	203004	Drilling Equipment	Geoprobe / HSA Dual Rig
Date Drilled:	May 9, 2006	Sample Method	Continuous Sleeve
Logged By	Mark Detterman	Soil Bore Diameter	8 inch
Drilling Company	ResonantSonic International	Total Drilled Depth	22.0 feet
Driller	Junior	Bore Angle	No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: 8.5 feet; 14.5 feet

MW-1 Replecement Well:

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					2 inches asphalt, with 2 inches of yellowish fine to course angular Asphaltic Base gravel (likely Leona Quarry)	AB	
1					Dark greenish gray (5G 4/1) SILTY CLAY, with odor; damp	CL	
2							
3				MW1R-3			
4		6.4			Grades black (5Y 2.5/2), odor		
5							
6							
7		134		MW1R-7			
8						CL	
9							
10							
11		97.9					
12					Grades very dark gray (2.5Y N3) to dark greenish gray (5GY 4/1) at 12 feet, damp; odor apparent	CL	
13							
14				W1R-13	6		
15		41.3			Grades to light olive brown (2.5Y 4/3) mottled with yellowish brown (10YR 5/6) CLAYEY SILT, very moist to wet	ML	
16					Increasing Clay between 16 and 16.5 feet	CL	
17		0			Color as above, alternating between SILTY CLAY and CLAYEY SILT, moist to very moist depending on clay content, no free water.	CL	
18							
19					Yellowish brown (10YR 5/4) CLAYEY SILT with trace fine grained sand, moist to very moist.	ML	
20		0			No Recovery, driller calls soft, lots of water		
21							
22					Bottom of bore: 22 feet		



PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

05-12-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004_FB\BoreLogs\MW1R.bor

BLYMYER ENGINEERS, INC.

Groundwater Monitoring Well: MW-4

Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

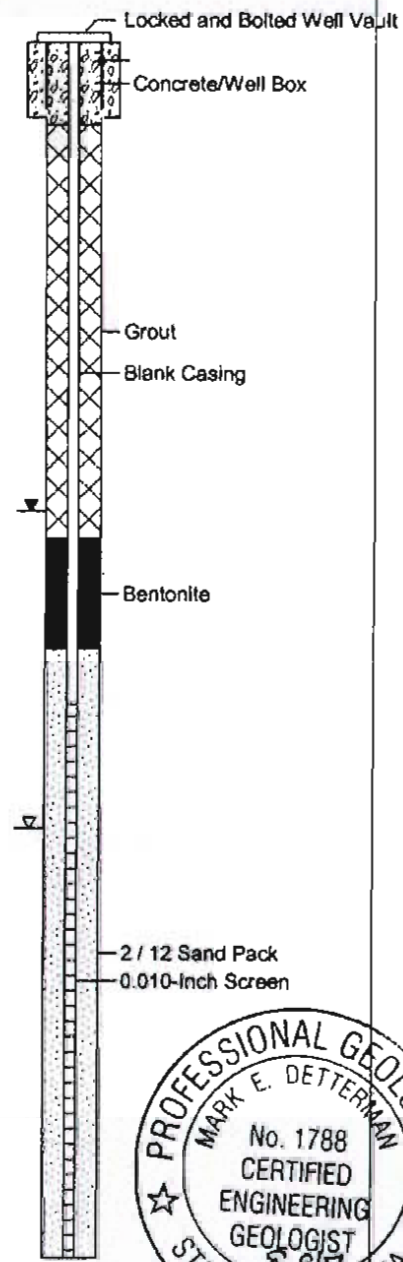
Job Number:	: 203004	Drilling Equipment	: Geoprobe / HSA Dual Rig
Date Drilled:	: May 9, 2006	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 8 inch
Drilling Company	: ResonantSonic International	Total Drilled Depth	: 22.0 feet
Driller	: Junior	Bore Angle	: No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: ▼ 8.5 feet; ▽ 15.5 feet

MW-1 Replacement Well:

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					2 inches asphalt, with 2 inches of yellowish fine to course angular Asphaltic Base gravel (likely Leona Quarry)	AB	
1–2					Dark olive brown (2.5Y 3/3) SILTY CLAY, soft, moist	CL	
3–5						CL	
5					Grades black (5Y 2.5/2), moist	CL	
6–7		0				CL	
8				MW4-7.5		CL	
9–10						CL	
10					Grades lighter at 10.5 feet	CL	
11		0				CL	
12				MW4-11.5	Olive brown (2.5Y 4/3) SILTY CLAY, trace caliche nodules to 1/8 inch, damp.	CL	
13						CL	
14		0			Grades to light olive brown (2.5Y 5/3) CLAYEY SILT, with trace carbon flecks, moist.	ML	
15				MW4-14.5		ML	
16–17					Light olive brown (2.5Y 5/3) SILTY SAND, fine grained, moist to wet.	SM	
18–19					Color as above, alternating between SILTY CLAY to CLAYEY SILT, wet.	ML	
20					No Recovery, driller calls soft, wet.		
21–22					Bottom of bore: 22 feet		



PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
9/07
STATE OF CALIFORNIA

05-12-2006 H:\Blymyer_Jobs\2003\203004 fiest-oakland\203004.FBI\BoreLogs\MW4.bor

Groundwater Monitoring Well: MW-5

BLYMYER ENGINEERS, INC.

Former Fiesta Beverage
960 & 968 89th Avenue, Oakland, CA

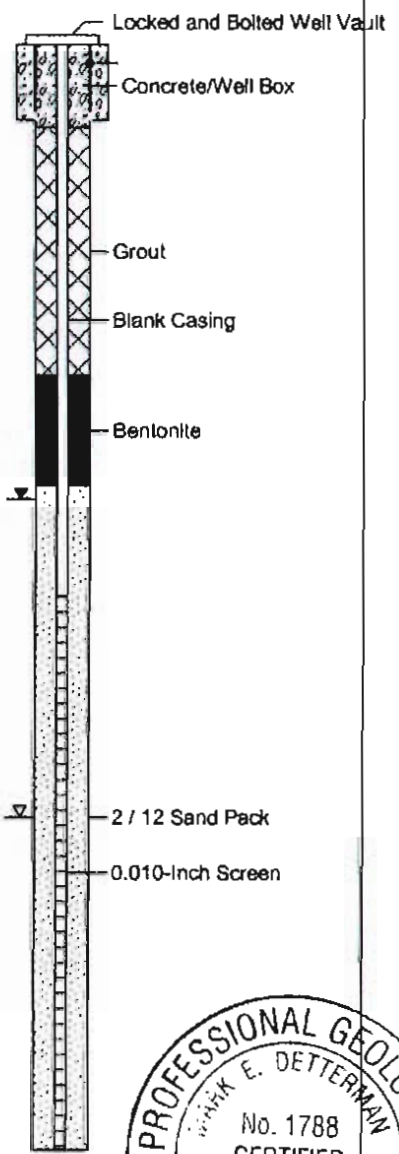
Job Number:	: 203004	Drilling Equipment	: Geoprobe / HSA Dual Rig
Date Drilled:	: May 8, 2006	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 8 inch
Drilling Company	: ResonantSonic International	Total Drilled Depth	20.0 feet
Driller	: Junior	Bore Angle	: No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: 8.25 feet; 14 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					8 inches concrete	Concrete	
1					Very dark olive brown (2.5Y 3/3) SILTY SAND, fine grained, damp.	SM	
2							
3							
4					Very dark olive brown (2.5Y 3/3) to black (2.5Y N2/) CLAYEY SILT, with burned wood fragments (burnt odor) at 4 ft horizon, damp.	ML	
5		0					
6							
7		0			Grades dark gray (2.5Y N4/) SILTY CLAY to CLAYEY SILT, moist to very moist (poor recovery).	ML	
8							
9							
10					Grades dark gray (2.5Y N4/), to light olive brown (2.5Y 5/6) CLAYEY SILT to SILTY CLAY, increasingly moist at 13 feet.	CL	
11				MW5-10.5			
12		0					
13							
14					Trace course sand to fine gravels at 14 feet.	SM	
15					Grayish brown (2.5Y 5/2) CLAYEY SILT, w/ trace fine fine grained sand, wet.	ML	
16		0					
17				MW5-16.5	Increasing clay at 17 to 17.5 feet.	CL	
18					As before.	ML	
19							
20					Dark yellowish brown (10YR 4/8) to yellowish brown (10YR 5/8) CLAYEY SILT with 15 to 20% fine grained sand, wet.	ML	
21					Bottom of bore: 20 feet		
22							

MW-1 Replacement Well:



PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

05-12-2006 H:\Blymyer_jobs\2003\203004 fiesl-oakland\203004.FBBoreLogs\MW5.bor

BLYMYER ENGINEERS, INC.

Groundwater Monitoring Well: MW-6

Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

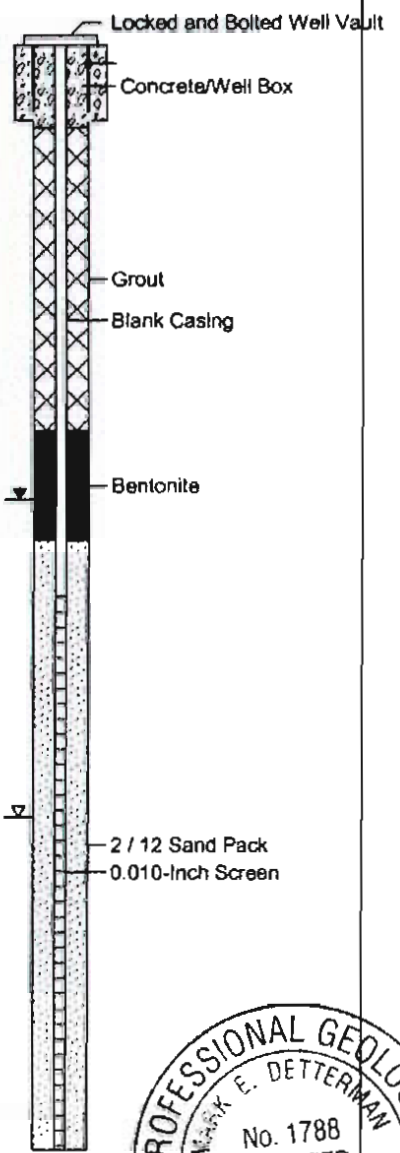
Job Number	: 203004	Drilling Equipment	: Geoprobe / HSA Dual Rig
Date Drilled	: May 8, 2008	Sample Method	: Continuous Sleeve
Logged By	: Mark Detterman	Soil Bore Diameter	: 8 inch
Drilling Company	: ResonantSonic International	Total Drilled Depth	: 20.0 feet
Driller	: Junior	Bore Angle	: No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: ▼ 8.25 feet; ▽ 14 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					2 inches asphalt, with 2 inches of yellowish fine to course angular Asphaltic Base gravel (likely Leona Quarry)	AB	
1					Very dark grayish brown (2.5Y 3/2) SILTY CLAY, trace odor (sweet?), moist		
2		3.4				CL	
3							
4							
5		2.0					
6				MW6-5.5	Grades black (2.5Y N2), trace caliche nodules to 1/8 inch, odor (sweet?), damp to moist.		
7							
8							
9						CL	
10							
11		0					
12				MW6-11.5			
13		0					
14				MW6-13.5	Grades light olive brown (2.5Y 5/4) CLAYEY SILT, moist to very moist.	ML	
15					Light olive brown (2.5Y 5/4), SILTY SAND, fine grained w/trace medium grained sand, very moist, no free water.	SM	
16							
17		0			Grayish brown (2.5Y 5/2) to olive brown (2.5Y 4/3) SILTY SAND, fine grained, wet.	SM	
18							
19							
20					Light olive brown (2.5Y 5/4) CLAYEY SILT to SILTY CLAY, wet.	CL	
21					Bottom of bore: 20 feet		
22							

MW-1 Replacement Well:



05-12-2008 H:\Blymyer_Jobs\2003\203004 fiesta-oak\land\203004.FB\BoreLogs\MW6.bor

BLYMYER ENGINEERS, INC.

Groundwater Monitoring Well: MW-7

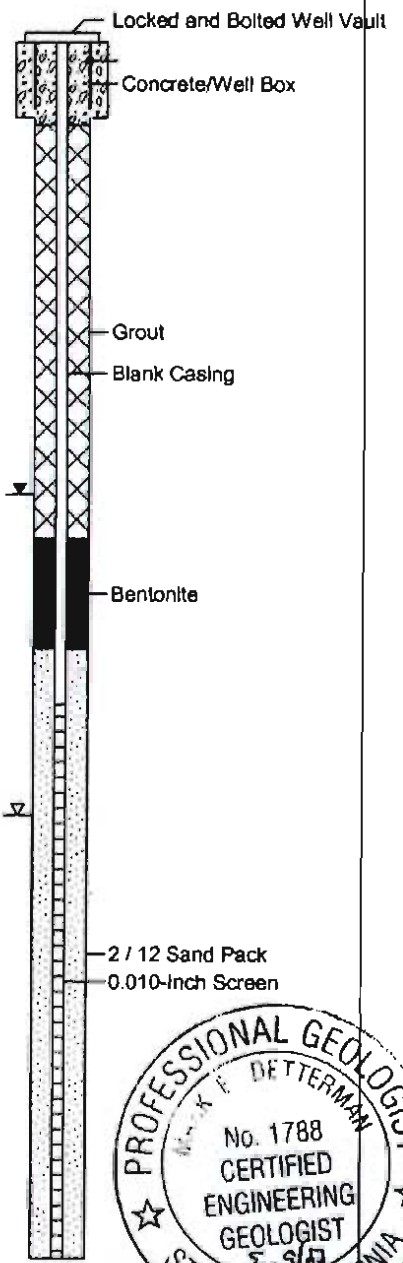
Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

Job Number:	203004	Drilling Equipment	HSA Rig
Date Drilled:	June 2, 2006	Sample Method	CA-Modified
Logged By	Mark Detterman	Soil Bore Diameter	8 inch
Drilling Company	ResonantSonic International	Total Drilled Depth	22.0 feet
Driller	Jose / Carlos	Bore Angle	No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: 8.20 feet; 14 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0–1					Pale yellow (2.5 Y 7/3) GRAVELLY SANDY SILT with CLAY; course grained gravel 25%, fine to course sand 25%, FILL	FILL	
1–2					Very dark gray brown (10YR 3/2) SILTY CLAY, damp.		
2–5	6 7 7	0			As above.	CL	
5–8							
8–9	9 12 14	0			Olive brown (2.5Y 4/3) SILTY CLAY, stiff, damp.	CL	
9–13							
13–14	7 12 18	0		MW7-14	Olive brown (2.5Y 4/4) sandy CLAYEY SILT, <5% medium grained sand, wet at 14 ft.	ML	
14–18							
18–19	9 11 13	0		MW7-18.5	Light olive brown (2.5Y 5/4), SILTY CLAY to CLAYEY SILT, softer, very moist, trace to no free water.	ML	
19–22					Tip collection - as above.		
22					Bottom of bore: 22 feet		



PROFESSIONAL GEOLOGIST
MARK F. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
9/07
STATE OF CALIFORNIA

06-07-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004 FB\BoreLogs\MW7.bor

BLYMYER ENGINEERS, INC.

Groundwater Monitoring Well: MW-8

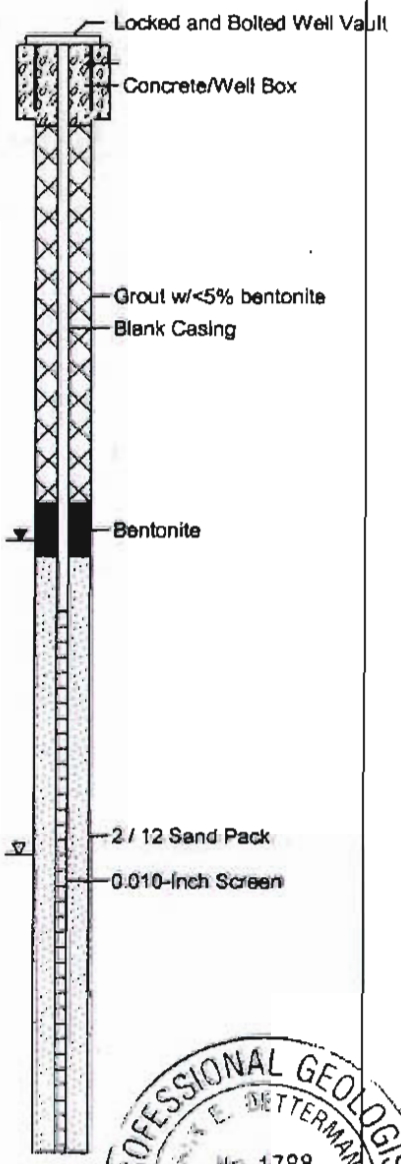
Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

Job Number:	203004	Drilling Equipment	HSA Rig
Date Drilled:	June 2, 2006	Sample Method	CA-Modified
Logged By	Mark Detterman	Soil Bore Diameter	8 inch
Drilling Company	ResonantSonic International	Total Drilled Depth	21.5 feet
Driller	Jose / Carlos	Bore Angle	No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: ▼ 9.20 feet; ▽ 15 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0–2					Pale yellow (2.5 Y 7/3) GRAVELLY SANDY SILT with CLAY; course grained gravel 25%, fine to course sand 25%, FILL	FILL	
3–5					Very dark brown (10YR 2/2) SILTY CLAY, with 1/8-inch subrounded pebbles, moist.	CL	
6	6, 5, 7	0		MW8-6	Black (5Y 2.5/2) SILTY CLAY, stiff, damp.	CL	
10–11	6, 7, 9	0			Dark yellow brown (10YR 3/4) CLAYEY SILT to SILTY CLAY, moist (15% recovery)	CL	
15	6, 7, 9	0		MW8-15	Olive brown (2.5Y 4/3), SILTY SAND, 80% fine grained sand, wet (driller call).	SM	
16–18					Grades more silty at 16 ft.		
18–19					Grades more sandy with depth.		
19–20					Fine to medium grained, wet.		
20	8	0					
21	10, 11				Light olive brown (2.5Y 5/3) Sandy SILTY CLAY, 15% fine grained sand, wet	CL	
22					Very dark gray (2.5Y N3/) SILTY CLAY (in tip only), wet.	CL	
23					Bottom of bore: 21.5 feet		



PROFESSIONAL GEOLOGIST
MARK E. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA
E.G. 9/07

06-07-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004_FB\BoreLogs\MW8.bor

BLYMYER ENGINEERS, INC.

Groundwater Monitoring Well: MW-9

Former Fiesta Beverage
960 & 966 89th Avenue, Oakland, CA

Job Number:	: 203004	Drilling Equipment	: HSA Rig
Date Drilled:	: June 2, 2006	Sample Method	: CA-Modified
Logged By	: Mark Detterman	Soil Bore Diameter	: 8 inch
Drilling Company	: ResonantSonic International	Total Drilled Depth	: 22.0 feet
Driller	: Jose / Carlos	Bore Angle	: No

Sample Recovery: Collected; Retained; Analyzed; Unrecovered

Water Level: 8.45 feet; 16 feet

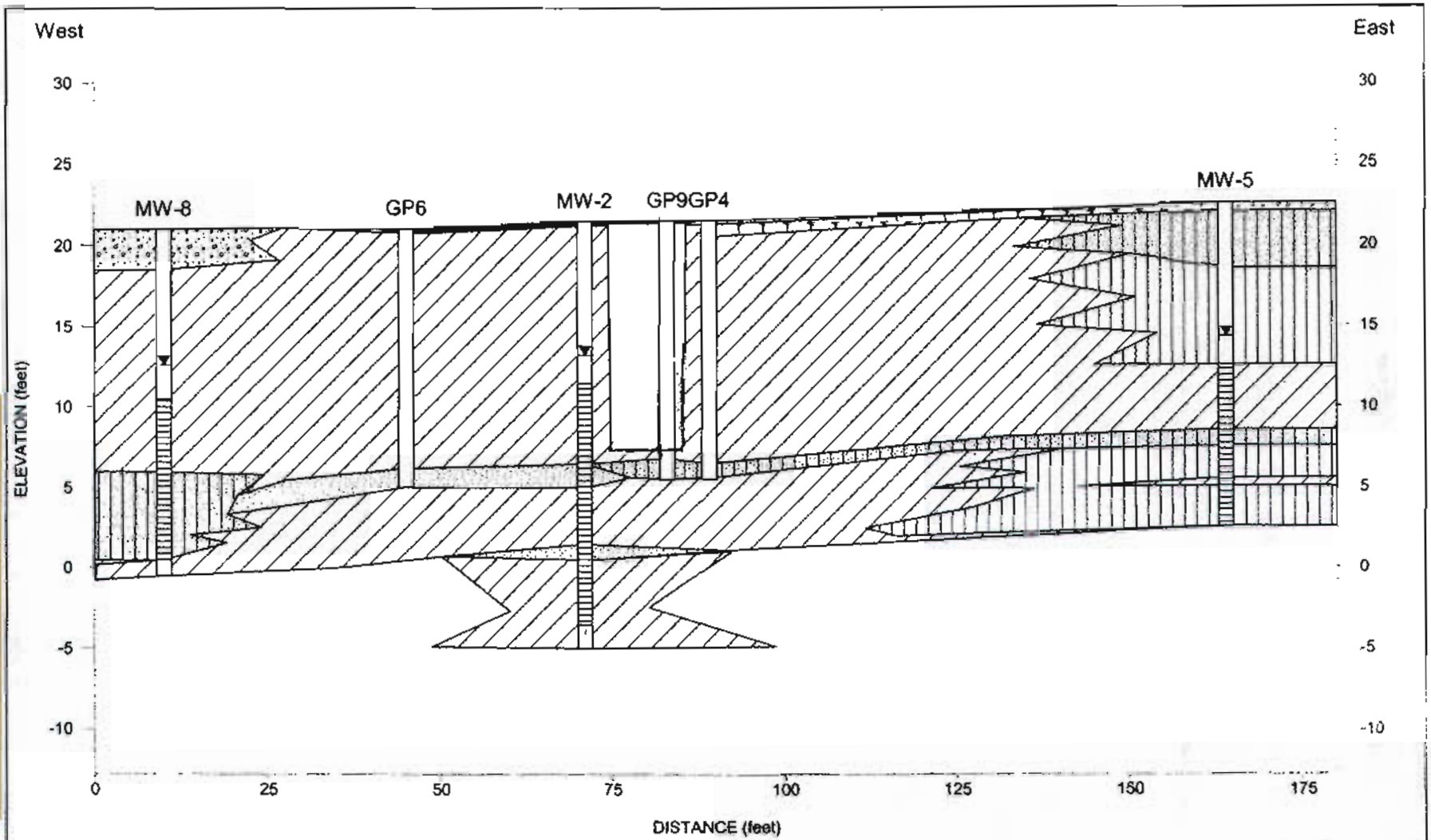
Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	GRAPHIC
0					4 inches asphalt pavement (2 layers)	Asphalt	
1					Black (5Y 2.5/2) SILTY CLAY, very moist (suspect adjacent EBMUD leak on 6-inch water main, recently repaired).	CL	
2					Very dark grayish brown (10YR 3/2) SILTY CLAY, very moist (EBMUD), gradational contact.	CL	
3							
4							
5	3	0			Very dark brown (10YR 2/2) SILTY CLAY, moist.	CL	
6	3						
7	3						
8							
9							
10	5						
11	5	0		MW9-11	Olive brown (2.5Y 4/3) SILTY CLAY, mottled with greenish gray (5GY 6/1) SILTY CLAY, trace carbon flecks and rootlets, moist.	CL	
12	6						
13							
14							
15	5						
16	7	0		MW9-16	Olive brown (2.5Y 4/3) sandy CLAYEY SILT, <10% fine grained sand, very moist to wet at 16 ft.	ML	
17	9						
18							
19							
20	8						
21	8	0		MW9-21	Greenish gray (5Y 5/1) CLAYEY SILT to SILTY CLAY, wet	CL	
22	9				Bottom of bore: 22 feet		

Locked and Bolted Well Vault
Concrete/Well Box
Grout
Blank Casing
Bentonite
2 / 12 Sand Pack
0.010-Inch Screen

PROFESSIONAL GEOLOGIST
E. DETTERMAN
No. 1788
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

06-07-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004.FB\BoreLogsMW9.bor

ATTACHMENT 7



Former Fiesta Beverages
966 & 960 89th Avenue
Oakland, CA
ACEH Leak Case RO0000314
BEI Job # 203004

BLYMYER ENGINEERS, INC.

Figure 4

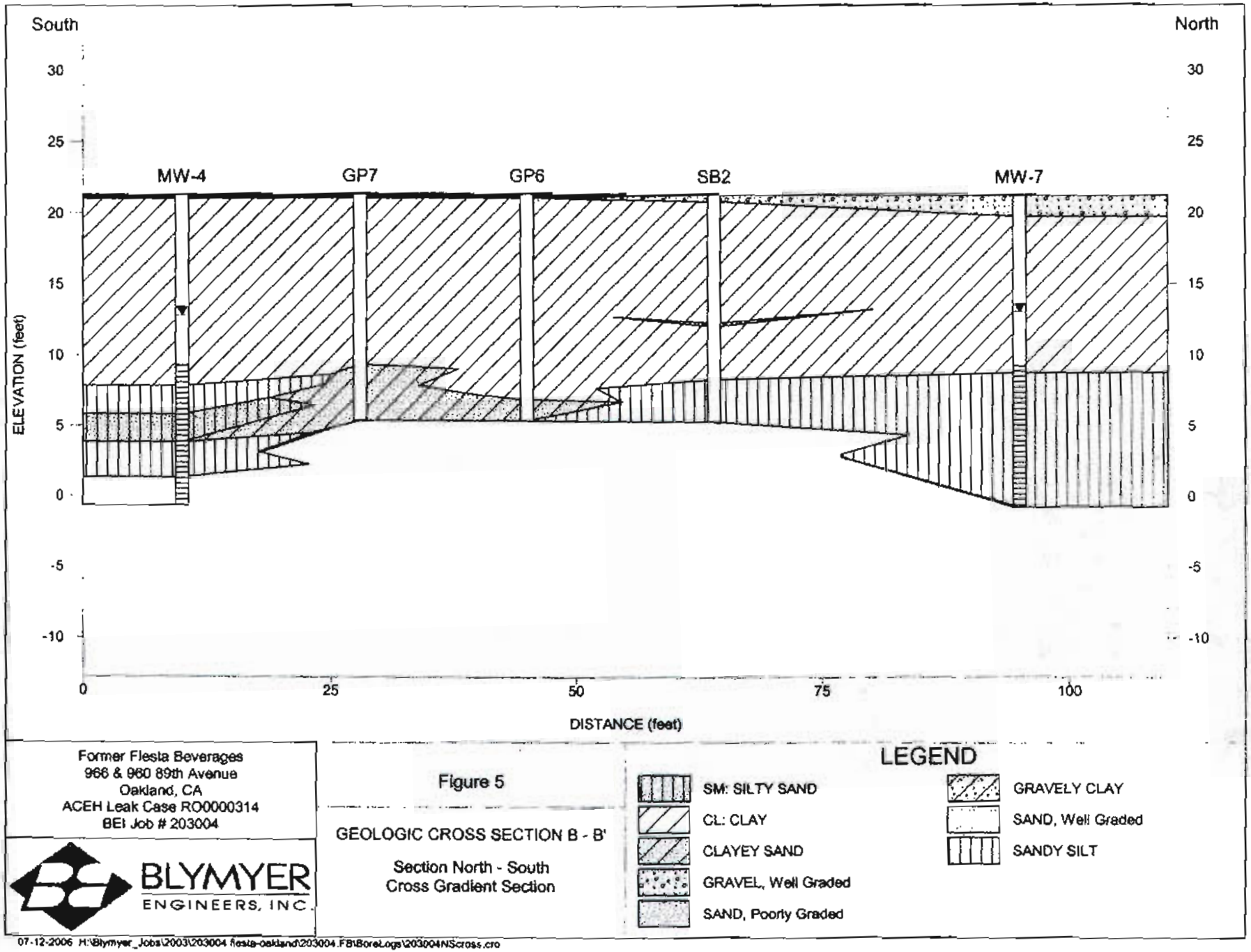
GEOLOGIC CROSS SECTION A - A'

Section East - West
Down Gradient Section

LEGEND

- SM: SILTY SAND
- CL: CLAY
- CLAYEY SAND
- GRAVEL, Well Graded
- SAND, Poorly Graded
- SAND, Well Graded
- SANDY SILT

07-13-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004.FB\BoreLogs\203004EWcross1.cro



Former Fiesta Beverages
966 & 960 89th Avenue
Oakland, CA
ACEH Leak Case RO0000314
BEI Job # 203004

BLYMYER ENGINEERS, INC.

Figure 5

GEOLOGIC CROSS SECTION B - B'

Section North - South
Cross Gradient Section

07-12-2006 H:\Blymyer_Jobs\2003\203004 fiesta-oakland\203004.FB\BoreLogs\203004NScross.cro