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10:05 am, May 02, 2011

Alameda County
Environmental Health

Mr. Paresh Khatri
Alameda County
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Foothill Mini Mart, 6600 Foothill Boulevard, Oakland, California
(ACEHS Case No. RO0000175)

Dear Mr. Khatri:

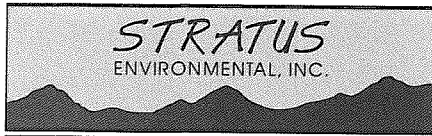
Stratus Environmental, Inc. (Stratus) has recently prepared a *Well Installation Report* on my behalf. The report was prepared in regards to Alameda County Fuel Leak Case No. RO0000175, located at 6600 Foothill Boulevard, Oakland, California.

I have reviewed a copy of this report, sent to me by representatives of Stratus, and "I declare, under penalty of perjury, that the information and or/recommendations contained in the attached document or report is true and correct to the best of my knowledge."

Sincerely,



Ravi Sekhon



3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

April 28, 2011
Project No. 2087-6600-01

Mr. Paresh Khatri
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Well Installation Report
Foothill Mini Mart
6600 Foothill Boulevard
Oakland, California

Dear Mr. Khatri:

Stratus Environmental, Inc. (Stratus) has prepared this document, on behalf of Mr. Ravi Sekhon, for the Foothill Mini Mart (the Site), located at 6600 Foothill Boulevard, Oakland, California. At the request of Alameda County Environmental Health Department (ACEHD), Stratus prepared and submitted, on behalf of Mr. Sekhon, a document titled *Feasibility Study Work Plan*, dated December 13, 2010. This *Work Plan* proposed to pilot test the use of dual phase extraction (DPE) and ozone/hydrogen peroxide injection, as possible technologies to mitigate previously documented petroleum hydrocarbon and fuel oxygenate impact to the subsurface, and the installation of wells needed to conduct the pilot testing. In a letter dated February 10, 2011, ACEHD personnel tentatively approved the scope of work presented in the *Work Plan*; however ACEHD requested that an additional work task, involving the monitoring of petroleum hydrocarbon vapor concentrations within utility trench corridors, be performed as part of the pilot testing activities. Stratus subsequently prepared and submitted an *Addendum to Feasibility Study Work Plan*, dated February 25, 2011, which illustrated the approximate locations of subsurface utility corridors near the pilot test area of the site, and proposed a procedure and schedule for conducting soil vapor sampling. ACEHD subsequently approved the *Addendum*, in electronic mail correspondence dated March 23, 2011.

This report documents the installation of one extraction well, two injection wells, and two soil vapor monitoring wells. Details regarding the installation of these wells, and findings associated with implementation of this work, are described in the following subsections of this report. The findings of the remediation pilot testing, and soil vapor sampling work performed before, during, and after these pilot tests, will be presented at a later date, in a separate report.

SITE INVESTIGATION ACTIVITIES

The objectives of this investigation were to:

- Install wells necessary to implement remediation pilot testing.
- Install soil vapor sampling wells for use as part of the pilot testing work.
- Further characterize the distribution of soil contaminants beneath the site.

To accomplish these objectives, Stratus implemented the following work activities:

- Drilled and installed two (2) dual completion ozone/hydrogen peroxide injection wells (IW-1A/B and IW-2A/B).
- Drilled and installed one (1) on-site extraction well (EX-1) to a depth of approximately 30 feet bgs.
- Completed two (2) soil vapor monitoring wells (SGW-1 and SGW-2) near the location of underground electric utility corridors in the southeastern portion of the site
- Developed well EX-1.

Prior to implementation of field activities, a well installation permit was obtained from Alameda County Public Works Agency. Drilling locations were marked 48 hours prior to fieldwork. Underground Service Alert, ACPWA, ACEHD, and the property owner were notified 48 hours prior to beginning work activities. Standard field practices and procedures for all fieldwork are described in Appendix A. All work was conducted under the direct supervision of a State of California Registered Geologist. A copy of the drilling permit is provided in Appendix B.

FIELD ACTIVITIES

Soil Borings

A Stratus geologist was on-site to oversee all drilling activities between April 6 and 7, 2011. Gregg Drilling Company (C-57 #485165) completed the drilling activities using a limited access drill rig equipped with appropriately sized hollow stem augers. The soil vapor monitoring well borings were advanced using hand tools. Soils were classified on-site using the Unified Soil Classification System. Boring logs detailing soil stratigraphy are presented in Appendix B.

The initial 5 feet of the remediation well borings were advanced with a hand auger and/or post-hole digger to reduce the possibility of damaging underground utilities. Soil samples were collected using a California-type split-spoon sampler equipped with three precleaned brass tubes, or a direct push macrocore sampler equipped with an acetate

liner. The ends of the bottom-most, intact tube/core from each sample interval were lined with Teflon™ sheets, capped, and sealed. Each sample was labeled, placed in a resealable plastic bag, and stored in an ice-chilled cooler. Select soil samples were forwarded to a state certified analytical laboratory for chemical analysis. Strict chain-of-custody procedures were followed from the time the samples were collected until the time the samples were relinquished to the laboratory.

Additional soil from each sampled interval was placed and sealed in plastic bags to allow the accumulation of volatile organic compound (VOC) vapors within the airspace in the bags. A portable photo-ionization detector (PID) was used to measure VOC concentrations from each sample in parts per million by volume (ppmv). PID results are included on the boring logs presented in Appendix B.

Injection Well Installation

Wells IW-1A/B and IW-2 A/B contain with both stainless steel well casing (IW-1A and IW-2A) and schedule 80 PVC well casing (IW-1B and IW-2B) within the boreholes. Wells IW-1A and IW-2A were constructed of a one-foot length, 0.02-inch diameter, stainless steel slotted well screen section, situated from approximately 20.5 feet to 21.5 feet bgs, attached to 20 feet of stainless steel riser pipe. Wells IW-1B and IW-2B were constructed using a 2-foot length ceramic microporous gas diffuser, situated from approximately 25 to 27 feet bgs, attached to 25 feet of schedule 80 PVC riser pipe. A filter pack of Lonestar™ #2/12 sand was placed around the stainless steel well screen and the ceramic gas diffusers. Coated bentonite pellets were placed between the filter pack sand surrounding the well screen and gas diffusers. Bentonite chips or pellets were placed above the filter pack sand for wells IW-1A and IW-2A to provide a transition seal for the wells. The remaining annular space around the well casing was backfilled with neat cement up to surface grade. A 12-inch diameter traffic rated vault box was placed over the wells, and slip caps were placed on the top of the well casing. Well construction details and DWR well completion reports for wells IW-1A/B and IW-2A/B are included in Appendix B.

Extraction Well Installation

Well EX-1 was constructed using 4-inch diameter PVC well casing and 20 feet of 0.02-inch diameter factory slotted well screen, situated from approximately 10 to 30 feet bgs. A filter pack of Lonestar™ #3 sand was placed in the annular space around the well from the bottom of the casing to approximately 2 feet above the top of the well screen. Approximately 2 feet of bentonite was placed on top of the filter pack and hydrated with clean water to provide a transition seal for the well. The remaining annular space around the well casing was backfilled with neat cement up to surface grade. A 12-inch diameter traffic rated vault box was placed over the well, and a watertight locking cap was placed

on the top of the well casing. Well construction details and a DWR well completion report for well EX-1 are included in Appendix B.

Soil Vapor Well Installation

The depths for wells SGW-1 and SGW-2 were selected based on the detected depths of underground electrical lines situated near each of these two well borings by a private utility locating subcontractor. The electrical line near well SGW-1 was detected at about 26 to 27 inches below grade, and the electrical line near well SGW-2 was detected at about 13 inches below grade. In order to evaluate soil gas concentrations near these utility corridors, a 6-inch length mesh soil gas probe (supplied by Geoprobe), were installed from depths of approximately 24 to 30 inches below grade (SGW-1) and 12 to 18 inches below grade (SGW-2). Teflon tubing (0.25 inches in diameter) was attached to each soil gas probe, and extended to about 2-feet above surface grade. A filter pack of Lonestar™ #2/12 sand was placed around the soil gas probes. Bentonite was subsequently placed on top of the sand filter pack to provide a transition seal, and neat cement was placed within the remaining annular space. A 12-inch diameter traffic rated vault box was placed over each well, and a swagelok valve was placed on the end of the Teflon tubing. Well construction details and a DWR well completion reports for wells SGW-1 and SGW-2 are included in Appendix B.

Extraction Well Development

Stratus personnel developed well EX-1 on April 22, 2011 by surging and bailing, followed by groundwater pumping. Development continued until groundwater extracted from the well was clear and appeared free of suspended sediment. Approximately 130 gallons of groundwater were removed from EX-1 during development. A field data sheets generated during well development activities are provided in Appendix C.

Waste Management

Drill cuttings generated during drilling activities were placed in properly labeled, DOT-approved, 55-gallon steel drums and stored on-site pending disposal. A sample of the soil cuttings was collected and submitted for chemical analysis to determine the appropriate disposal facility. Integrated Wastestream Management (IWM) has been retained to transport the soil drums to a licensed facility for disposal.

Analytical Methods

Soil samples were forwarded to Alpha Analytical, Inc., a California state-certified laboratory (ELAP #2019), for chemical analysis under strict chain-of-custody procedures. The samples were analyzed for gasoline range organics (GRO) using USEPA Method 8015B/DHS LUFT, and for benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl

tertiary butyl ether (MTBE), and tertiary butyl alcohol (TBA) using USEPA Method 8260B. Soil analytical results are presented in Table 1, and certified analytical reports with chain-of-custody records are presented in Appendix D. These laboratory results were uploaded to the State of California's Geotracker database, and confirmation documentation for these data uploads are provided in Appendix E.

SOIL ANALYTICAL RESULTS

MTBE was reported in each of the soil samples submitted for chemical analysis. MTBE concentrations in soil ranged from 0.077 mg/Kg to 2.1 mg/Kg (EX-1), 0.068 mg/Kg to 1.3 mg/Kg (IW-1), and 0.13 mg/Kg to 1.0 mg/Kg (IW-2). GRO was only reported in one soil sample collected during this phase of investigation (1.5 mg/Kg, boring EX-1, at 16 feet bgs). TBA was detected in a sample collected from 11 feet bgs in boring IW-1 (1.1 mg/Kg) and 16 feet bgs at boring EX-1 (1.4 mg/Kg). BTEX concentrations were reported below laboratory instrument detection levels in each of the soil samples.

LIMITATIONS

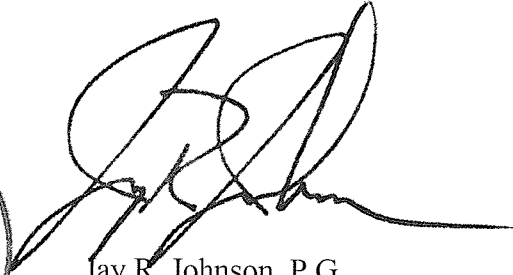
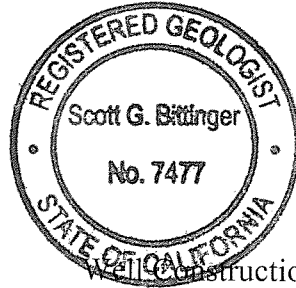
This *Well Installation Report* was prepared in general accordance with accepted standards of care that existed at the time this work was performed. No other warranty, expressed or implied, is made. Conclusions and recommendations are based on field observations and data obtained from this work and previous investigations. It should be recognized that definition and evaluation of geologic conditions is a difficult and somewhat inexact science. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface conditions present. More extensive studies may be performed to reduce uncertainties. This *Report* is solely for the use and information of our client unless otherwise noted.

If you have any questions or comments concerning this document, please contact Scott Bittinger at (530) 676-2062.

Sincerely,
STRATUS ENVIRONMENTAL, INC.



Scott G. Bittinger, P.G.
Project Manager



Jay R. Johnson, P.G.
Senior Project Supervisor

- Attachments:
- | | |
|------------|---|
| Table 1 | Well Construction Detail Summary |
| Table 2 | Soil Analytical Results |
| Figure 1 | Site Location Map |
| Figure 2 | Site Plan |
| Appendix A | Field Practices and Procedures |
| Appendix B | Boring Logs, Well Details, DWR Well Completion Reports, and Drilling Permit |
| Appendix C | Field Data Sheets |
| Appendix D | Certified Analytical Reports and Chain-of-Custody Documentation |
| Appendix E | Geotracker Data Upload Confirmation Sheets |

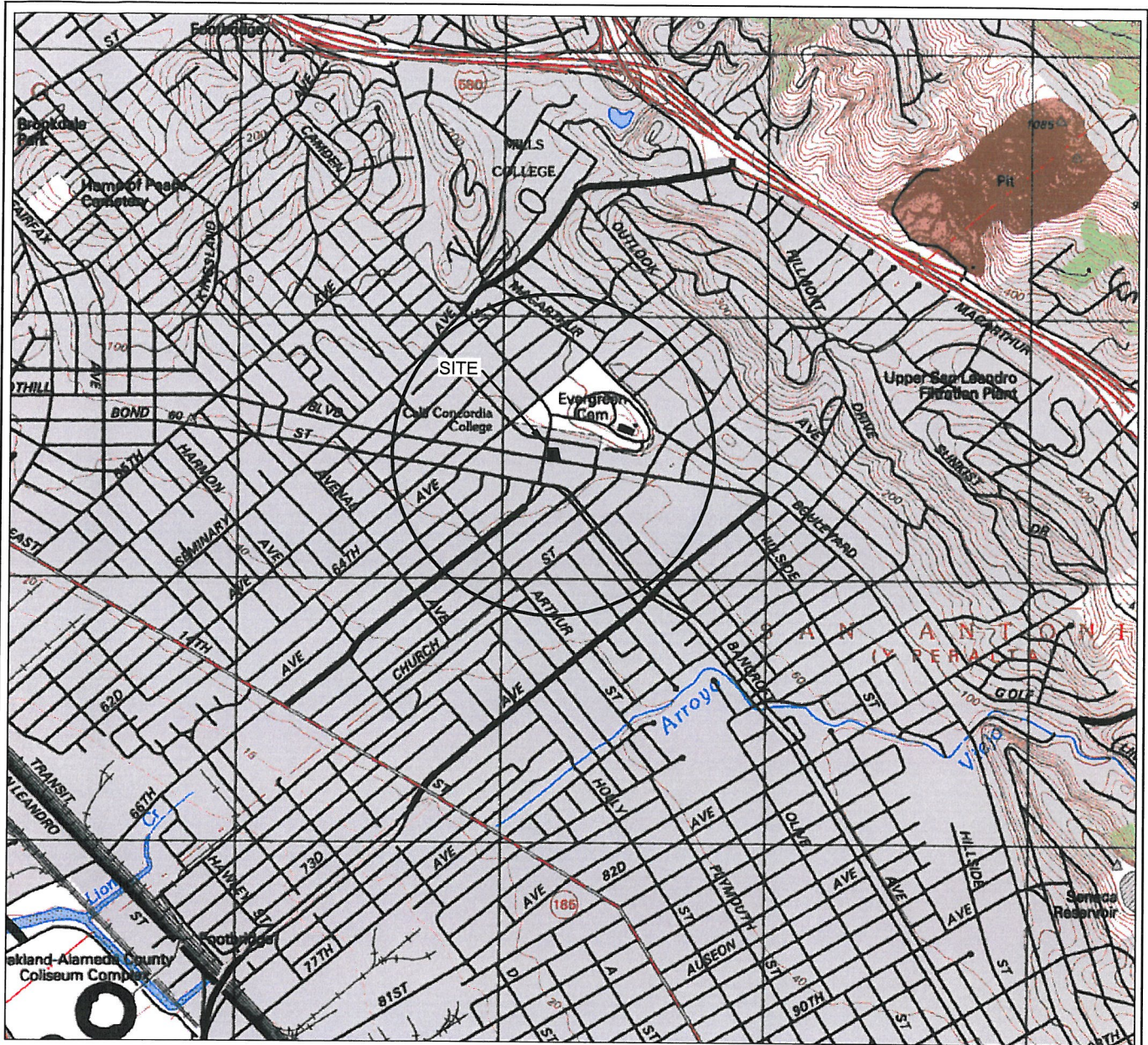
cc: Mr. Ravi Sekhon, Former Property Owner

TABLE 1
WELL CONSTRUCTION DETAIL SUMMARY
 Foothill Mini Mart, 6600 Foothill Boulevard, Oakland, California

Boring/Well I.D.	Date Installed	Boring Depth (feet)	Boring Diameter (inches)	Well Diameter (inches)	Well Depth (feet)	Screen Interval (feet bgs)	Slot Size (inches)	Drilling Method
<i>Shallow Groundwater Monitoring Wells</i>								
MW-1	06/04/01	25	8	2	25	10-25	0.01	HSA
MW-2	06/04/01	25	8	2	25	10-25	0.01	HSA
MW-3	06/04/01	25	8	2	25	10-25	0.01	HSA
MW-4	06/26/02	20	8	2	20	7.5-20	0.01	HSA
MW-5	06/26/02	20	8	2	20	7.5-20	0.01	HSA
MW-6	06/26/02	20	8	2	20	7.5-20	0.01	HSA
MW-7	09/23/09	25	8	2	25	10-25	0.01	HSA
MW-10	09/22/09	25	8	2	25	15-25	0.01	HSA
MW-11	09/23/09	25	8	2	25	10-25	0.01	HSA
MW-12A	09/22/09	25	8	2	25	10-25	0.01	HSA
MW-13A	09/24/09	25	8	2	25	5--25	0.01	HSA
<i>Deeper Groundwater Monitoring Wells</i>								
MW-5B	09/23/09	45	8	2	45	35-45	0.01	HSA
MW-6B	09/24/09	50	8	2	50	35-50	0.01	HSA
MW-12B	09/22/09	43	8	2	43	33-43	0.01	HSA
<i>Remediation Wells</i>								
EX-1	04/04/11	30	10	4	30	10-30	0.02	HSA
IW-1A/B	04/06/11	28	8	1	21.5	20.5-21.5	0.02	HSA
IW-2A/B	04/06/11	28	8	1	27	25-27	0.02	HSA
				1	27	25-27	microporous	
<i>Soil Gas Monitoring Wells</i>								
SGW-1	04/06/11	2.5	6	0.25	2.5	2-2.5	mesh	hand digging
SGW-2	04/07/11	1.5	6	0.25	1.5	1-1.5	mesh	hand digging
Notes: HSA = hollow stem auger								

TABLE 2
SOIL ANALYTICAL RESULTS
 Foothill Mini Mart
 6600 Foothill Boulevard, Oakland, California

Sample ID	Sample Depth (feet bgs)	Date Collected	GRO (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	MTBE (mg/Kg)	TBA (mg/Kg)
<u>Boring EX-1</u>									
EX1-16	16	4/7/2011	1.5	<0.005	<0.005	<0.005	<0.005	2.1	1.4
EX1-26	26	4/7/2011	<1.0	<0.005	<0.005	<0.005	<0.005	0.099	<0.5
EX1-31	31	4/7/2011	<1.0	<0.005	<0.005	<0.005	<0.005	0.077	<0.5
<u>Boring IW-1</u>									
IW1-11	11	4/6/2011	<1.0	<0.005	<0.005	<0.005	<0.005	0.6	1.1
IW1-19	19	4/6/2011	<1.0	<0.005	<0.005	<0.005	<0.005	1.3	<0.5
IW1-27	27	4/6/2011	<1.0	<0.005	<0.005	<0.005	<0.005	0.068	<0.5
<u>Boring IW-2</u>									
IW2-11	11	4/6/2011	<1.0	<0.005	<0.005	<0.005	<0.005	0.93	<0.5
IW2-19	19	4/6/2011	<1.0	<0.005	<0.005	<0.005	<0.005	1.0	<0.5
IW2-23	23	4/6/2011	<1.0	<0.005	<0.005	<0.005	<0.005	0.13	<0.5
IW2-27	27	4/6/2011	<1.0	<0.005	<0.005	<0.005	<0.005	0.25	<0.5
<u>Explanation</u> GRO = Gasoline range organics BTEX = Benzene, toluene, ethylbenzene, and xylenes MTBE = Methyl tertiary butyl ether TBA = Tertiary butyl alcohol bgs = below ground surface mg/Kg = milligrams per kilogram					<u>Analytical Methods</u> GRO analyzed using EPA Method SW8015B/DHS LUFT Manual BTEX, MTBE, and TBA analyzed using EPA Method SW8260B <u>Analytical Laboratory</u> Alpha Analytical, Inc. (ELAP #2019)				



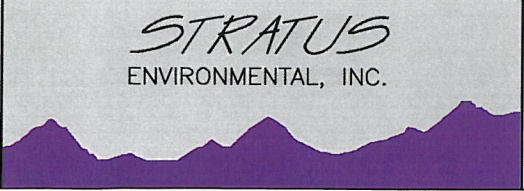
GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 OAKLAND EAST, CA.
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1980



QUADRANGLE LOCATION



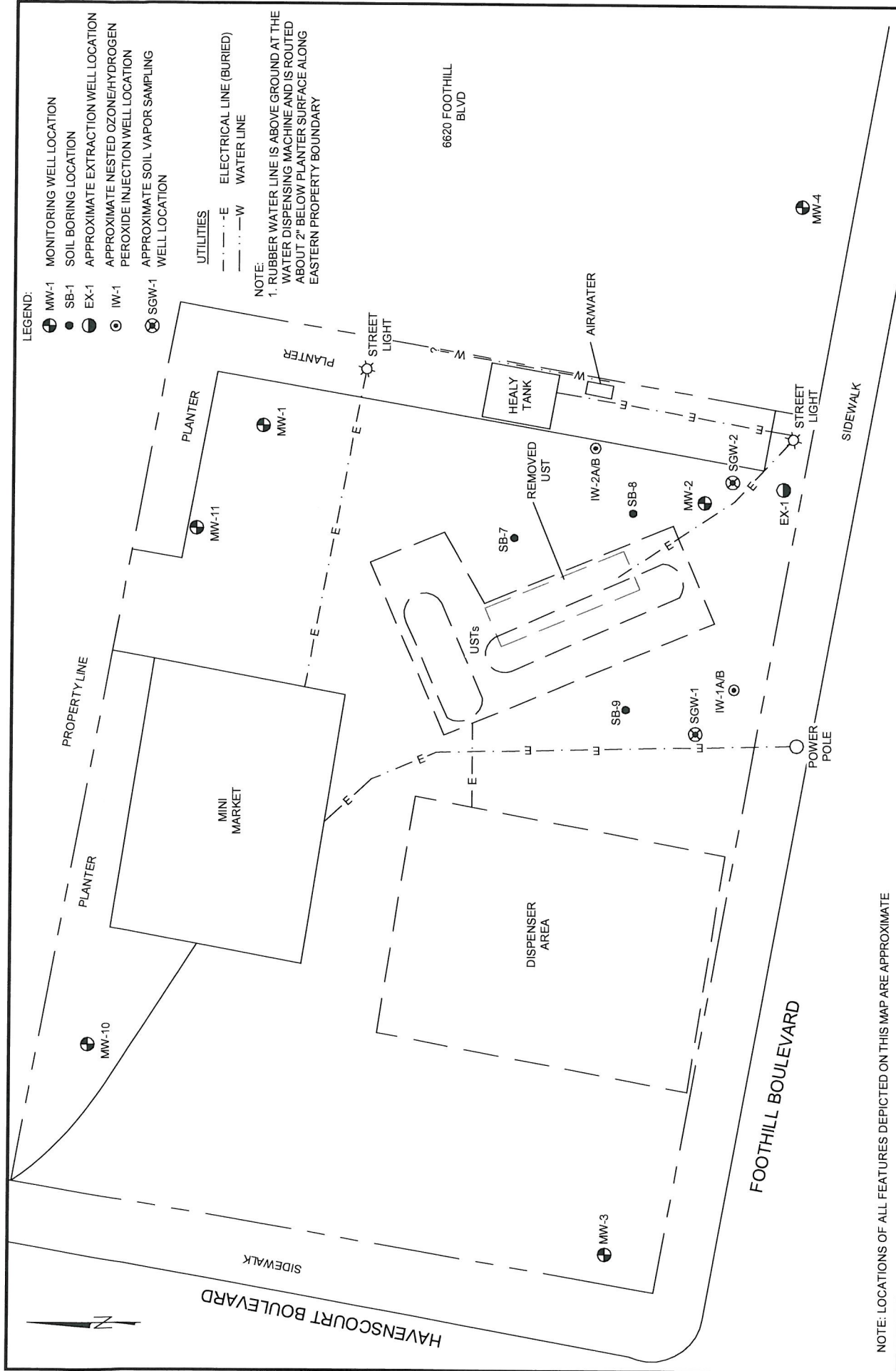
SCALE 1:24,000



FOOTHILL MINI MART
 6600 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE
1
 PROJECT NO.
 2087-6600-01

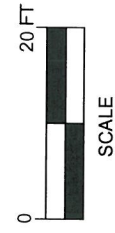


LEGEND:

- ⊕ MW-1 MONITORING WELL LOCATION
 - SB-1 SOIL BORING LOCATION
 - ⊖ EX-1 APPROXIMATE EXTRACTION WELL LOCATION
 - ⊙ IW-1 APPROXIMATE NESTED OZONE/HYDROGEN PEROXIDE INJECTION WELL LOCATION
 - ⊗ SGW-1 APPROXIMATE SOIL VAPOR SAMPLING WELL LOCATION
- UTILITIES
- - - - E ELECTRICAL LINE (BURIED)
 - - - - W WATER LINE

NOTE:
 1. RUBBER WATER LINE IS ABOVE GROUND AT THE WATER DISPENSING MACHINE AND IS ROUTED ABOUT 2" BELOW PLANTER SURFACE ALONG EASTERN PROPERTY BOUNDARY

NOTE: LOCATIONS OF ALL FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE



FOOTHILL MINI MART
 6600 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

SITE PLAN

FIGURE
2

PROJECT NO.
 2087-6600-01

APPENDIX A

FIELD PRACTICES AND PROCEDURES

FIELD PRACTICES AND PROCEDURES

General procedures used by Stratus in site assessments for drilling exploratory borings, collecting samples, and installing monitoring wells are described herein. These general procedures are used to provide consistent and reproducible results; however, some procedure may be modified based on site conditions. A California Professional Geologist or Civil Engineer supervises the following procedures.

PRE-FIELD WORK ACTIVITIES

Health and Safety Plan

Field work performed by Stratus at the site is conducted according to guidelines established in a Site Health and Safety Plan (SHSP). The SHSP is a document which describes the hazards that may be encountered in the field and specifies protective equipment, work procedures, and emergency information. A copy of the SHSP is at the site and available for reference by appropriate parties during work at the site.

Locating Underground Utilities

Prior to commencement of any work that is to be below surface grade, the location of the excavation, boring, etc., is marked with white paint as required by law. An underground locating service such as Underground Service Alert (USA) is contacted. The locating company contacts the owners of the various utilities in the vicinity of the site to mark the locations of their underground utilities. Any invasive work is preceded by hand augering to a minimum depth of five feet below surface grade to avoid contact with underground utilities.

FIELD METHODS AND PROCEDURES

Exploratory Soil Borings

Soil borings will be drilled using a truck-mounted, hollow stem auger or air rotary casing hammer drill rig. Soil samples for logging will be obtained from auger-return materials and by advancing a modified California split-spoon sampler equipped with brass or stainless steel liners into undisturbed soil beyond the tip of the auger. Soils will be logged by a geologist according to the Unified Soil Classification System and standard geological techniques. Drill cuttings will be screened using a portable photoionization detector (PID) or a flame ionization detector (FID). Exploratory soil borings not used for monitoring well installation will be backfilled to the surface with a bentonite-cement slurry pumped into the boring through a tremie pipe.

Soil sampling equipment will be cleaned with a detergent water solution, rinsed with clean water, and equipped with clean liners between sampling intervals. Augers and

samplers will be steam cleaned between each boring to reduce the possibility of cross contamination. Steam cleaning effluent will be contained in 55-gallon drums and temporarily stored on site. The disposal of the effluent will be the responsibility of the client.

Soil Sample Collection

During hollow stem auger drilling, soil samples will be collected in cleaned brass, two by six inch tubes. The tubes will be set in an 18-inch-long split-barrel sampler. The sampler will be conveyed to bottom of the borehole attached to a wire-line hammer device on the drill rig. When possible, the split-barrel sampler will be driven its entire length, either hydraulically or by repeated pounding a 140-pound hammer using a 30-inch drop. The number of drops (blows) used to drive the sampler will be recorded on the boring log. The sampler will be extracted from the borehole, and the tubes containing the soil samples will be removed. Upon removal, the ends of the lowermost tube will be sealed with Teflon sheets and plastic caps. Soil samples for chemical analysis will be labeled, placed on ice, and delivered to a state-certified analytical laboratory, along with the appropriate chain-of-custody documentation. Soil samples are not normally collected during air rotary drilling.

Soil Classification

Soil samples collected in brass tubes, or drill cuttings evacuated from the borehole during air rotary drilling, will be logged on site by a geologist using the Unified Soil Classification System. Representative portions of the brass sleeve samples will be retained for further examination and for verification of the field classification. Logs of the borings indicating the depth and identification of the various strata and pertinent information regarding the method of maintaining and advancing the borehole will be prepared.

Soil Sample Screening

Soil samples selected for chemical analysis will be determined from a head-space analysis using a PID or an FID. The soil will be placed in a Ziploc[®] bag, sealed, and allowed to reach ambient temperature, at which time the PID probe will be inserted into the Ziploc[®] bag. The total volatile hydrocarbons present are detected by the PID and reported in parts per million by volume (ppmv). The PID will be calibrated to an isobutylene standard.

At least two soil samples retained from each soil boring will be submitted for chemical analysis unless otherwise specified in the scope of work. Soil samples selected for analysis typically represent the highest PID reading recorded for each soil boring and the sample just above first-encountered groundwater. Additional soil samples will be

submitted based on the findings at each individual borehole and the project specific data needs.

Stockpiled Drill Cuttings and Soil Sampling

Drill cuttings generated during the drilling procedure will be stockpiled on site, placed in 55-gallon steel drums, or containerized in covered roll-off steel containers. Stockpiled drill cuttings will be placed on and covered with plastic sheeting. A sample of the soil cuttings will be submitted for chemical analysis to determine an appropriate disposal method. Stratus Environmental will recommend an appropriate facility to accept the drill cuttings based on the analytical results. The client will be responsible for disposal of the drill cuttings.

Prior to collecting soil samples, Stratus personnel will calculate the approximate volume of soil in the stockpile. The stockpile will then be divided into sections, if warranted, containing the predetermined volume sampling interval. Four soil samples will be collected from the stockpile and composited into one sample by the laboratory prior to analysis. The soil samples will be collected in cleaned brass, two by six inch tubes using a hand driven sampling device. To reduce the potential for cross-contamination between samples, the sampler will be cleaned between each sampling event. Upon recovery, the sample container will be sealed at each end with Teflon sheeting and plastic caps to minimize the potential of volatilization and cross-contamination prior to chemical analysis. The soil sample will be labeled, placed on ice, and delivered to a state-certified analytical laboratory, along with the appropriate chain-of-custody documentation.

Direct Push Technology, Water Sampling

A well known example of direct push technology for water sampling is the Hydropunch[®]. For the purpose of this field method the term hydropunch will be used instead of direct push technology for water sampling.

The hydropunch is typically used with a drill rig. A boring is drilled with hollow stem-augers to just above the sampling zone. In some soil conditions the drill rig can push directly from the surface to the sampling interval. The hydropunch is conveyed to the bottom of the boring using drill rods. Once on bottom the hydropunch is driven a maximum of five feet. The tool is then opened by lifting up the drill rod no more than four feet. Once the tool is opened, water enters and a sample can be collected with a bailer or tubing utilizing a peristaltic pump. Soil particles larger than silt are prevented from entering the tool by a screen within the tool. The water sample is collected, labeled, and handled according to the Quality Assurance Plan.

Well Installation Procedures

Groundwater monitoring, soil vapor extraction, groundwater extraction, air sparging, and ozone injection wells, of variable diameters, are normally constructed during

environmental assessment and remediation projects. Wells are normally constructed using Schedule 40 polyvinyl chloride (PVC) casing. The borehole diameter will be a minimum of four inches larger than the outside diameter of the casing.

Wells installed for environmental assessment and remediation projects are typically cased with threaded, factory-perforated and blank Schedule 40 PVC. The perforated interval consists of slotted casing, generally with 0.01, 0.02, or 0.03-inch-wide by 1.5-inch-long slots, with 42 slots per foot. A threaded or slip PVC cap is secured to the bottom of the casing. The slip cap can be secured with stainless steel screws or friction; no solvents or cements are used. Centering devices may be fastened to the casing to ensure even distribution of filter material and grout within the borehole annulus. The well casing is thoroughly washed and/or steam cleaned, or may be purchased as pre-cleaned, prior to completion.

A filter pack of graded sand will be placed in the annular space between the PVC casing and the borehole wall. Sand will be added to the borehole through the hollow stem of the augers to provide a uniform filter pack around the casing and to stabilize the borehole. The sand pack will be placed to a maximum of 2 feet above the screens, followed by a minimum 1-foot seal consisting of bentonite pellets.

Cement grout containing 5 percent bentonite or concrete will be placed above the bentonite seal to the ground surface. A concrete traffic-rated vault box will be installed over the monitoring well(s). A watertight locking cap will be installed over the top of the well casing. Reference elevations for each monitoring well will be surveyed when more than two wells will be located on site. Well elevations will be surveyed by a California licensed surveyor to the nearest 0.01-foot relative to mean sea level (MSL). Horizontal coordinates of the wells will be measured at the same time. Horizontal coordinates are normally measured in California State Plane Coordinates. Latitudes and longitudes are normally calculated for each well, per California Assembly Bill 2886 (Geotracker) requirements.

Exploratory boring logs and well construction details will be prepared for the final written report.

APPENDIX B

BORING LOGS, WELL DETAILS, DWR WELL COMPLETION REPORTS, AND DRILLING PERMIT

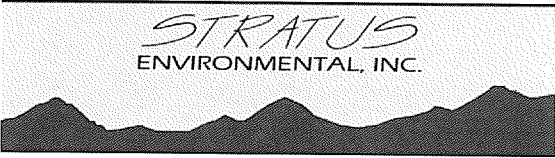
SOIL BORING LOG

Boring No. IW-1A/B

Sheet: 1 of 2

Client	<u>Foothill Mini Mart</u>	Date	<u>April 6, 2011</u>
Address	<u>6600 Foothill Boulevard</u>	Drilling Co.	<u>Gregg Drilling & Testing</u> rig type: Marl limited access
	<u>Oakland, CA</u>	Driller	
Project No.	<u>2087-6600-1</u>	Method	<u>Hollow Stem Auger</u> Hole Diameter: 8 inches
Logged By:	<u>Scott Bittinger</u>	Sampler:	

Sample		Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)	
Type	No.		Time	Recov.						
							asphalt surface			
						1	CL	fine grained soils (logged from cuttings)		
						2				
						3				
						4				
						5				
						6				
						7				
						8				
						9				
						10				
S	IW1-11		12:57			11	CL	SILTY CLAY, dark yellowish brown, dry	5	
						12				
						13				
						14				
						15				
						16	SC	CLAYEY SAND, dark yellowish brown, 75% fine to medium grained sand, 25% clayey fines, moist to damp		
						17				
S	IW1-17		13:05			18	CL	CLAY, light olive brown, moist to damp		
						19				
S	IW1-19		13:10			20	SC	CLAYEY SAND, dark yellowish brown, medium and fine grained with 15-25% clayey fines, trace gravel, damp	28	
					Recovery	Comments: Continuously sampled below 15' bgs				
					Sample					



SOIL BORING LOG

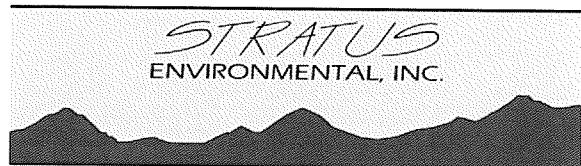
Boring No. IW-1A/B

Sheet: 2 of 2

Client	Foothill Mini Mart	Date	April 6, 2011
Address	6600 Foothill Boulevard	Drilling Co.	Gregg Drilling & Testing rig type: Marl limited access
	Oakland, CA	Driller	
Project No.	2087-6600-1	Method	Hollow Stem Auger Hole Diameter: 8 inches
Logged By:	Scott Bittinger	Sampler:	

Sample		Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
Type	No.		Time	Recov.					
						21	SC	CLAYEY SAND, dark yellowish brown, medium and fine grained with 15-35% clayey fines, trace gravel, damp	
						22			
S	IW1-22		13:16			23	CL	SANDY CLAY, dark yellowish brown, 70% clayey fines, 30% fine to medium grained sand, moist	
						24		CLAYEY SAND, fine to medium grained, 5% fine gravel, 10-25% clayey fines, damp	
S	IW1-24		13:26			25	CL	SANDY CLAY (24.7'-25'), olive brown, 50-70% clay, 30-50% fine grained sand, moist	
						26	SC	CLAYEY SAND, fine to medium grained, 5% fine gravel, 10-25% clayey fines, damp (25'-28.5')	
						27			
S	IW1-27		13:37			28			12.9
						29			
						30			
						31			
S						32			
						33			
						34			
						35			
						36			
						37			
						38			
						39			
						40			

Comments:

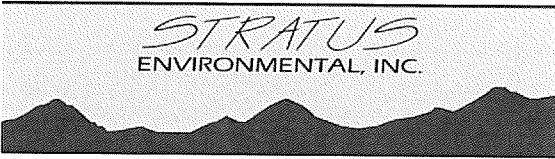


SOIL BORING LOG

Boring No. IW-2A/B

Sheet: 1 of 2

Client	<u>Foothill Mini Mart</u>	Date	<u>April 6, 2011</u>
Address	<u>6600 Foothill Boulevard</u>	Drilling Co.	<u>Gregg Drilling & Testing rig type: Marl limited access</u>
	<u>Oakland, CA</u>	Driller	
Project No.	<u>2087-6600-1</u>	Method	<u>Hollow Stem Auger Hole Diameter: 8 inches</u>
Logged By:	<u>Scott Bittinger</u>	Sampler:	

Sample Type	Sample No.		Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
				Time	Recov.					
							1		asphalt surface	
							2		fine grained soils with rocks (possible fill)	
							3	CL	CLAY, olive brown, moist	
							4			
							5	SC	CLAYEY SAND with GRAVEL, dark yellowish brown, rock pieces up to 2-3 inches in diameter, moist	
							6			
							7	CL	SILTY CLAY (observed from cuttings)	
							8			
							9			
							10			
S	IW2-11		9:24				11	CL	SILTY CLAY, dark yellowish brown to light olive brown, dry to moist	5.2
							12			
							13			
							14			
							15			
							16	SC	CLAYEY SAND, dark yellowish brown, 60-70% fine to medium grained sand, 30-40% clayey fines, damp	
							17			
S	IW2-17		9:40				18	GC	CLAYEY GRAVEL, dark yellowish brown, est. 50-65% gravel, 35-50% clayey fines, moist	39
							19			
S	IW2-19		9:45				20	CL	CLAY, light olive brown, 4-8% very fine grained sand, damp, soft	29
<p>Recovery _____</p> <p>Sample _____</p> <p>Comments: Continuously sampled below 15' bgs</p> <div style="text-align: center;">  </div>										

SOIL BORING LOG

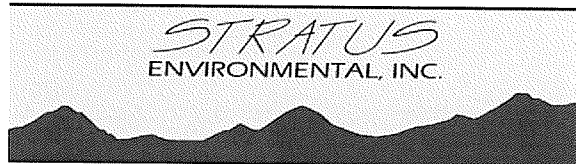
Boring No. IW-2A/B

Sheet: 2 of 2

Client	Foothill Mini Mart	Date	April 6, 2011
Address	6600 Foothill Boulevard	Drilling Co.	Gregg Drilling & Testing rig type: Marl limited access
	Oakland, CA	Driller	
Project No.	2087-6600-1	Method	Hollow Stem Auger Hole Diameter: 8 inches
Logged By:	Scott Bittinger	Sampler:	

Sample		Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
Type	No.		Time	Recov.					
						21	SC	CLAYEY SAND, dark yellowish brown, 60-75% fine grained sand, 25-40% clayey fines, damp	
						22			
S	IW2-23		9:55			23	CL	SILTY CLAY (22'-23.5'), olive brown, dry to moist, stiff	35
						24		SANDY CLAY (23.5'-25'), olive brown, 7-15% fine grained sand, trace silt, dry to moist	
						25			
						26	SP-SC	SAND with CLAY, fine grained with 7-15% clayey fines, wet	
						27			
S	IW2-27		10:20			28	CL	SANDY CLAY, light olive brown with mottling, 65-85% clayey fines, 15-35% fine grained sand, moist to damp	11.7
						29			
						30			
						31			
						32			
						33			
						34			
						35			
						36			
						37			
						38			
						39			
						40			

Comments:



SOIL BORING LOG

Boring No. EX-1

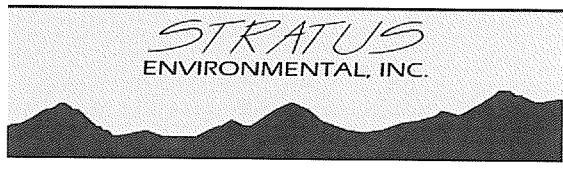
Sheet: 1 of 2

Client	Foothill Mini Mart	Date	April 7, 2011
Address	6600 Foothill Boulevard Oakland, CA	Drilling Co.	Gregg Drilling & Testing rig type: Marl limited access
Project No.	2087-6600-1	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Scott Bittinger	Sampler:	18" length split spoon
Well Pack	sand: 30 ft. to 8 ft. bent.: 8 ft. to 6 ft. grout: 6 ft. to 0 ft.	Well Construction	Casing Material: Schedule 40 PVC Screen Interval: 30 ft. to 10 ft. Casing Diameter: 4 in. Screen Slot Size: 0.020-in. Depth to GW: ▽ first encountered static ▼

Sample		Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
Type	No.		Time	Recov.					
							asphalt surface		
						1			
						2			
						3			
						4			
						5			
						6			
						7			
						8			
						9			
						10			
S	EX1-11		8:30	90		11	CL SANDY CLAY, dark yellowish brown and greenish gray, 70-80% clayey fines, 20-30% fine to medium grained sand, moist	0	
						12			
						13			
						14			
						15			
						16	SC CLAYEY SAND 15'-16.2', dark yellowish brown, 65-80% fine to medium grained sand, 20-35% clayey fines, trace gravel, moist to damp	20	
S	EX1-16		8:35	90		17	CL SANDY CLAY with SILT, dark yellowish brown, est. 80% clay, 5-10% silt, 10-15% fine grained sand, moist		
						18			
						19			
						20	SC CLAYEY SAND with GRAVEL 20'-20.2', dark yellowish brown, coarse f fraction fine grained sand through fine gravel, 20-30% clayey fines, damp		

Recovery _____
Sample _____

Comments:



SOIL BORING LOG

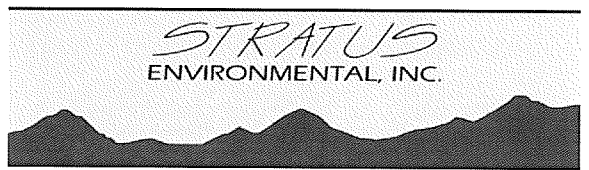
Boring No. EX-1

Sheet: 2 of 2

Client	Foothill Mini Mart	Date	April 7, 2011
Address	6600 Foothill Boulevard	Drilling Co.	Gregg Drilling & Testing rig type: Marl limited access
	Oakland, CA	Driller	
Project No.	2087-6600-1	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Scott Bittinger	Sampler:	18" length split spoon

Sample		Blow Count	Sample		Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
Type	No.		Time	Recov.					
S	EX1-20		8:41	70		21	SP SAND 20.2'-20.7', dark yellowish brown, fine grained, 3-5% clayey fines, wet	0	
						22	SC CLAYEY SAND 20.7'-21', dark yellowish brown, 70-80% fine grained sand, 20-30% clayey fines, damp		
						23			
						24			
						25			
S	EX1-26		8:47	90		26	SC-SW SAND with CLAY, fine to coarse grained, 10% gravel, 10% clayey fines, damp to wet	2.3	
						27			
						28			
						29			
						30			
S	EX1-31		8:52	80	31	SC-SW SAND with CLAY, fine to coarse grained, 10% gravel, 10% clayey fines, damp to wet	10.6		
					32				
					33				
					34				
					35				
					36				
					37				
					38				
					39				
					40				

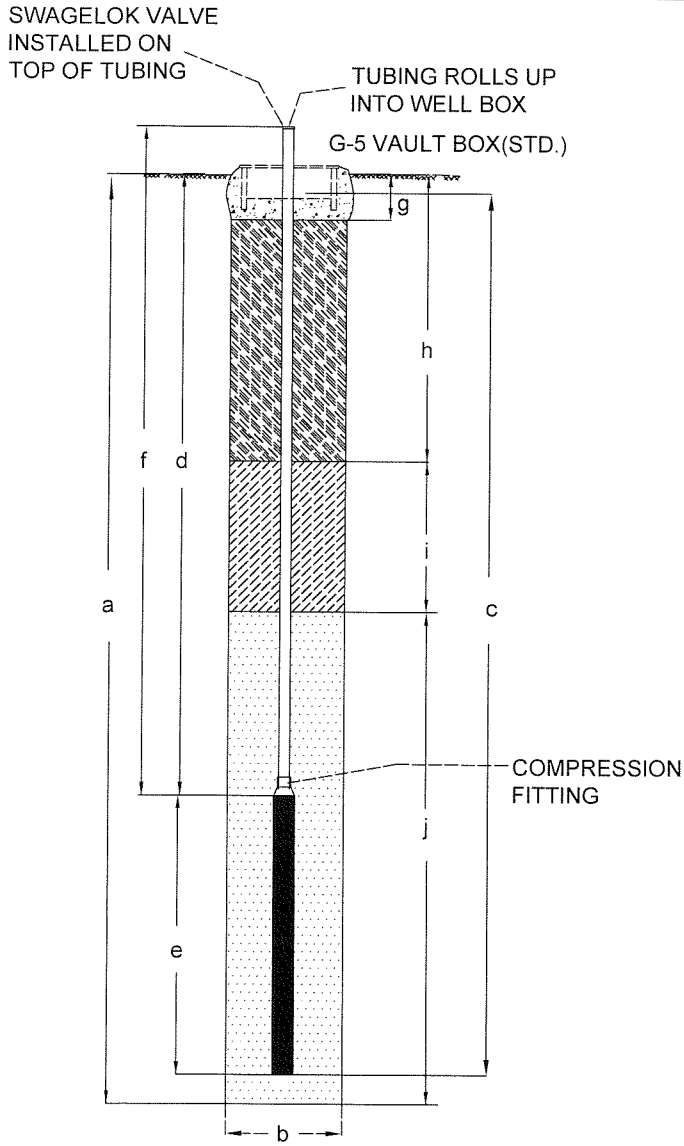
Comments:



SOIL GAS WELL DETAILS

PROJECT NUMBER 2087-6600-01
 PROJECT NAME Foothill Mini Mart
 LOCATION 6600 Foothill Blvd, Oakland, California

BORING/WELL NO. SGW-1
 WELL PERMIT NO. W2011-0185
 INSTALLATION DATE April 6, 2011



- BENTONITE
- CEMENT
- CONCRETE
- SAND
- MESH IMPLANT

NOT TO SCALE

EXPLORATORY BORING

a. TOTAL DEPTH 2.5 ft.
 b. DIAMETER 6 in.
 DRILLING METHOD Hand Digging

WELL CONSTRUCTION

c. TOTAL WELL DEPTH 2.5 ft.
 WELL SCREEN MATERIAL Mesh Implant
 d. DEPTH TO TOP PERFORATIONS 2 ft.
 e. PERFORATED INTERVAL FROM 2 TO 2.5 ft.
 f. LENGTH OF TUBING 4 ft.
 TUBING CONNECTED TO WELL SCREEN AT 2 ft.
 TUBING DIAMETER 0.25 in.
 TUBING MATERIAL Flexible Teflon
 g. SURFACE SEAL 0 to 0.4 ft.
 SEAL MATERIAL Concrete
 h. BACKFILL 0.4 to 0.8 ft.
 BACKFILL MATERIAL Neat Cement
 i. SEAL 0.8 to 1.5 ft.
 SEAL MATERIAL Bentonite
 j. FILTER PACK 1.5 to 2.5 ft.
 FILTER PACK MATERIAL #2/12 Sand

PREPARED BY Allan Dudding DATE March 12, 2008

REVIEWED BY _____ DATE _____

SOIL GAS WELL DETAILS

PROJECT NUMBER 2087-6600-01

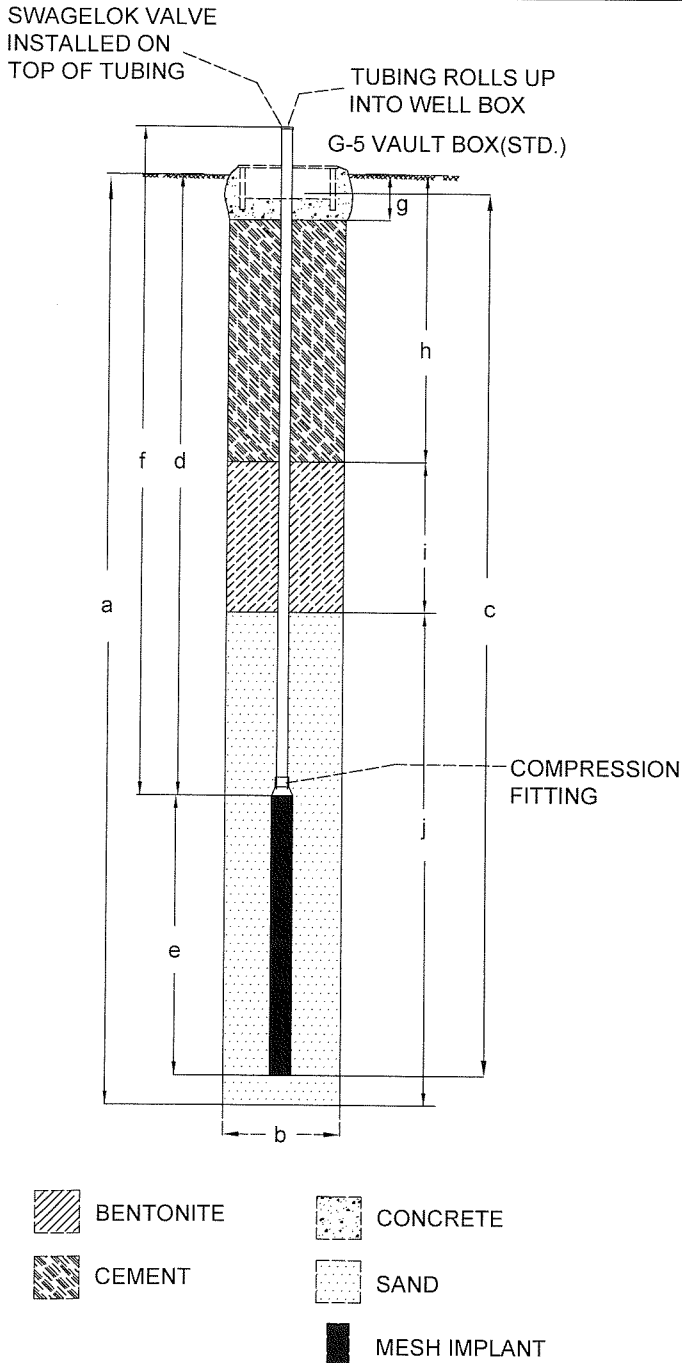
BORING/WELL NO. SGW-2

PROJECT NAME Foothill Mini Mart

WELL PERMIT NO. W2011-0185

LOCATION 6600 Foothill Blvd, Oakland, California

INSTALLATION DATE April 7, 2011



NOT TO SCALE

EXPLORATORY BORING

a. TOTAL DEPTH 1.5 ft.
 b. DIAMETER 6 in.
 DRILLING METHOD Hand Digging

WELL CONSTRUCTION

c. TOTAL WELL DEPTH 1.5 ft.
 WELL SCREEN MATERIAL Mesh Implant
 d. DEPTH TO TOP PERFORATIONS 1 ft.
 e. PERFORATED
 INTERVAL FROM 1 TO 1.5 ft.
 f. LENGTH OF TUBING 4 ft.
 TUBING CONNECTED TO
 WELL SCREEN AT 1 ft.
 TUBING DIAMETER 0.25 in.
 TUBING MATERIAL Flexible Teflon
 g. SURFACE SEAL 0 to 0.2 ft.
 SEAL MATERIAL Concrete
 h. BACKFILL 0.2 to 0.5 ft.
 BACKFILL MATERIAL Neat Cement
 i. SEAL 0.5 to 0.9 ft.
 SEAL MATERIAL Bentonite
 j. FILTER PACK 0.9 to 1.5 ft.
 FILTER PACK MATERIAL #2/12 Sand

PREPARED BY Allan Dudding DATE March 12, 2008

REVIEWED BY _____ DATE _____

NESTED INJECTION WELL DETAILS

PROJECT NUMBER 2087-6600-01

BORING/WELL NO. IW-1A/B

PROJECT NAME Foothill Mini Mart

WELL PERMIT NO. W2011-0186

LOCATION 6600 Foothill Blvd, Oakland, California

INSTALLATION DATE April 6, 2011

EXPLORATORY BORING

a. TOTAL DEPTH 28 ft.

b. DIAMETER 8 in.

DRILLING METHOD Hollow Stem Auger

WELL CONSTRUCTION

c. SURFACE SEAL 0 to 1 ft.

SEAL MATERIAL Concrete

Deep Well

d. TOTAL CASING LENGTH 27 ft.

MATERIAL Schedule 80 PVC

e. DIAMETER 1 in.

f. DEPTH TO TOP PERFORATIONS 25 ft.

g. PERFORATED

INTERVAL FROM 25 TO 27 ft.

PERFORATION TYPE Microporous Membrane

PERFORATION SIZE NA in.

h. TRANSITION SEAL 22 to 24 ft.

SEAL MATERIAL Bentonite

i. FILTER PACK 24 to 28 ft.

FILTER PACK MATERIAL #2/12 Sand

Shallow Well

j. TOTAL CASING LENGTH 21.5 ft.

MATERIAL Stainless Steel

k. DIAMETER 1 in.

l. DEPTH TO TOP PERFORATIONS 20.5 ft.

m. PERFORATED

INTERVAL FROM 20.5 TO 21.5 ft.

PERFORATION TYPE Slotted Screen

PERFORATION SIZE 0.02 in.

n. BACKFILL 1 to 16.5 ft.

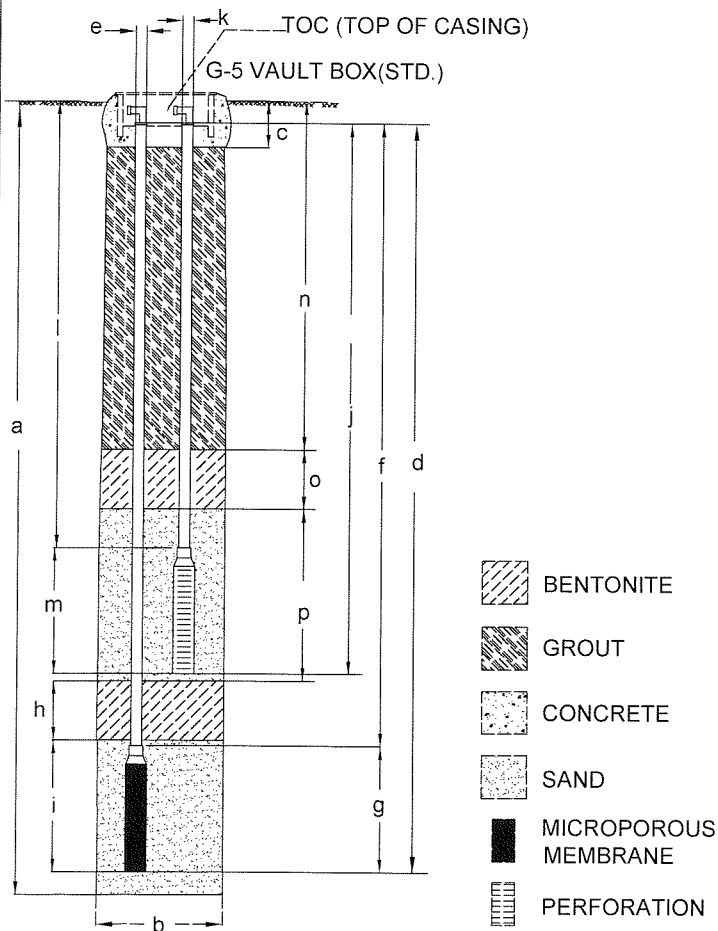
BACKFILL MATERIAL Neat Cement

o. SEAL 16.5 to 18.5 ft.

SEAL MATERIAL Bentonite

p. FILTER PACK 18.5 to 22 ft.

FILTER PACK MATERIAL #2/12 Sand



PREPARED BY _____ DATE _____

REVIEWED BY _____ DATE _____

NESTED INJECTION WELL DETAILS

PROJECT NUMBER 2087-6600-01

BORING/WELL NO. IW-2A/B

PROJECT NAME Foothill Mini Mart

WELL PERMIT NO. W2011-0186

LOCATION 6600 Foothill Blvd, Oakland, California

INSTALLATION DATE April 6, 2011

EXPLORATORY BORING

a. TOTAL DEPTH 28 ft.

b. DIAMETER 8 in.

DRILLING METHOD Hollow Stem Auger

WELL CONSTRUCTION

c. SURFACE SEAL 0 to 1 ft.

SEAL MATERIAL Concrete

Deep Well

d. TOTAL CASING LENGTH 27 ft.

MATERIAL Schedule 80 PVC

e. DIAMETER 1 in.

f. DEPTH TO TOP PERFORATIONS 25 ft.

g. PERFORATED

INTERVAL FROM 25 TO 27 ft.

PERFORATION TYPE Microporous Membrane

PERFORATION SIZE NA in.

h. TRANSITION SEAL 22 to 24 ft.

SEAL MATERIAL Bentonite

i. FILTER PACK 24 to 28 ft.

FILTER PACK MATERIAL #2/12 Sand

Shallow Well

j. TOTAL CASING LENGTH 21.5 ft.

MATERIAL Stainless Steel

k. DIAMETER 1 in.

l. DEPTH TO TOP PERFORATIONS 20.5 ft.

m. PERFORATED

INTERVAL FROM 20.5 TO 21.5 ft.

PERFORATION TYPE Slotted Screen

PERFORATION SIZE 0.02 in.

n. BACKFILL 1 to 16.5 ft.

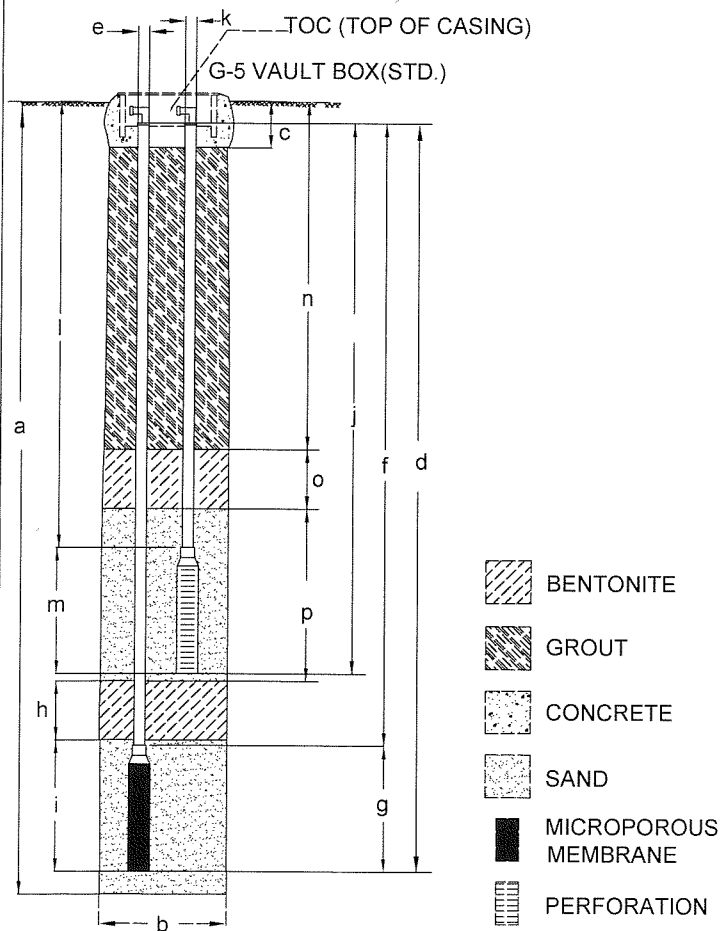
BACKFILL MATERIAL Neat Cement

o. SEAL 16.5 to 18.5 ft.

SEAL MATERIAL Bentonite

p. FILTER PACK 18.5 to 22 ft.

FILTER PACK MATERIAL #2/12 Sand



PREPARED BY _____ DATE _____

REVIEWED BY _____ DATE _____

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

**STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)**

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

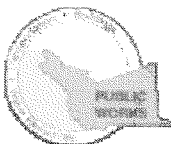
REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 03/25/2011 By jamesy

**Permit Numbers: W2011-0185 to W2011-0186
Permits Valid from 04/06/2011 to 04/08/2011**

Application Id: 1301006997205
Site Location: 6600 Foothill Blvd, Oakland, CA
Project Start Date: 04/06/2011
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

City of Project Site: Oakland

Completion Date: 04/08/2011

Applicant: Stratus - Scott Bittinger
3330 Cameron Park, Cameron Park, CA 95682
Property Owner: Abdul Ghaffar, Mohammad Jamil Zaroon, Inc.
40092 Davis St., Fremont, CA 94538
Client: ** same as Property Owner **

Phone: 530-676-2062

Phone: 510-656-3487

	Total Due:	\$530.00
Receipt Number: WR2011-0086	Total Amount Paid:	\$530.00
Payer Name : Stratus Environmental	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Construction-Vapor monitoring well-Vapor monitoring well - 2 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: auger

Work Total: \$265.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2011-0185	03/25/2011	07/05/2011	SGW-1	6.00 in.	0.25 in.	1.00 ft	7.00 ft
W2011-0185	03/25/2011	07/05/2011	SGW-2	6.00 in.	0.25 in.	1.00 ft	7.00 ft

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
2. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days, including permit number and site map.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or

Alameda County Public Works Agency - Water Resources Well Permit

waterways or be allowed to move off the property where work is being completed.

5. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
 6. No changes in construction procedures or well type shall change, as described on this permit application. This permit may be voided if it contains incorrect information.
 7. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
 8. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 9. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
 10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
 11. Vapor monitoring wells above water level constructed with tubing maybe be backfilled with pancake-batter consistency bentonite. Minimum surface seal thickness is two inches of cement grout around well box.
- Vapor monitoring wells above water level constructed with pvc pipe shall have a minimum seal depth (Neat Cement Seal) of 2 feet below ground surface (BGS). Minimum surface seal thickness is two inches of cement grout around well box. All other conditions for monitoring well construction shall apply.

Remediation Well Construction-Extraction - 3 Wells

Driller: Gregg Drilling - Lic #: 485165 - Method: auger

Work Total: \$265.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2011-0186	03/25/2011	07/05/2011	EX-1	10.00 in.	4.00 in.	5.00 ft	30.00 ft
W2011-0186	03/25/2011	07/05/2011	IW-1	8.00 in.	1.00 in.	16.00 ft	30.00 ft
W2011-0186	03/25/2011	07/05/2011	IW-2	8.00 in.	1.00 in.	16.00 ft	30.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

Alameda County Public Works Agency - Water Resources Well Permit

2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
 3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.
 4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
 5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 6. Minimum seal depth (Neat Cement Seal) is 2 feet below ground surface (BGS).
 7. Minimum surface seal thickness is two inches of cement grout placed by tremie
 8. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
 9. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
-

APPENDIX C
FIELD DATA SHEETS

APPENDIX D

CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 04/09/11

Job: 2087-6600-01/ Foothill Mini Mart

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	IW1-11				
Lab ID :	STR11041101-01A	TPH-P (GRO)	ND	1,000 µg/Kg	04/13/11
Date Sampled	04/06/11 12:37	Tertiary Butyl Alcohol (TBA)	1,100	500 µg/Kg	04/13/11
		Methyl tert-butyl ether (MTBE)	600	5.0 µg/Kg	04/13/11
		Benzene	ND	5.0 µg/Kg	04/13/11
		Toluene	ND	5.0 µg/Kg	04/13/11
		Ethylbenzene	ND	5.0 µg/Kg	04/13/11
		m,p-Xylene	ND	5.0 µg/Kg	04/13/11
		o-Xylene	ND	5.0 µg/Kg	04/13/11
Client ID :	IW1-19				
Lab ID :	STR11041101-02A	TPH-P (GRO)	ND	1,000 µg/Kg	04/13/11
Date Sampled	04/06/11 13:10	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	04/13/11
		Methyl tert-butyl ether (MTBE)	1,300	5.0 µg/Kg	04/13/11
		Benzene	ND	5.0 µg/Kg	04/13/11
		Toluene	ND	5.0 µg/Kg	04/13/11
		Ethylbenzene	ND	5.0 µg/Kg	04/13/11
		m,p-Xylene	ND	5.0 µg/Kg	04/13/11
		o-Xylene	ND	5.0 µg/Kg	04/13/11
Client ID :	IW1-27				
Lab ID :	STR11041101-03A	TPH-P (GRO)	ND	1,000 µg/Kg	04/12/11
Date Sampled	04/06/11 13:37	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	04/12/11
		Methyl tert-butyl ether (MTBE)	68	5.0 µg/Kg	04/12/11
		Benzene	ND	5.0 µg/Kg	04/12/11
		Toluene	ND	5.0 µg/Kg	04/12/11
		Ethylbenzene	ND	5.0 µg/Kg	04/12/11
		m,p-Xylene	ND	5.0 µg/Kg	04/12/11
		o-Xylene	ND	5.0 µg/Kg	04/12/11
Client ID :	IW2-11				
Lab ID :	STR11041101-04A	TPH-P (GRO)	ND	1,000 µg/Kg	04/12/11
Date Sampled	04/06/11 09:24	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	04/12/11
		Methyl tert-butyl ether (MTBE)	930	5.0 µg/Kg	04/12/11
		Benzene	ND	5.0 µg/Kg	04/12/11
		Toluene	ND	5.0 µg/Kg	04/12/11
		Ethylbenzene	ND	5.0 µg/Kg	04/12/11
		m,p-Xylene	ND	5.0 µg/Kg	04/12/11
		o-Xylene	ND	5.0 µg/Kg	04/12/11



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Client ID :	IW2-19					
Lab ID :	STR11041101-05A	TPH-P (GRO)	ND	1,000 µg/Kg	04/12/11	04/12/11
Date Sampled	04/06/11 09:45	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	04/12/11	04/12/11
		Methyl tert-butyl ether (MTBE)	1,000	5.0 µg/Kg	04/12/11	04/12/11
		Benzene	ND	5.0 µg/Kg	04/12/11	04/12/11
		Toluene	ND	5.0 µg/Kg	04/12/11	04/12/11
		Ethylbenzene	ND	5.0 µg/Kg	04/12/11	04/12/11
		m,p-Xylene	ND	5.0 µg/Kg	04/12/11	04/12/11
		o-Xylene	ND	5.0 µg/Kg	04/12/11	04/12/11
Client ID :	IW2-23					
Lab ID :	STR11041101-06A	TPH-P (GRO)	ND	1,000 µg/Kg	04/12/11	04/12/11
Date Sampled	04/06/11 09:55	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	04/12/11	04/12/11
		Methyl tert-butyl ether (MTBE)	130	5.0 µg/Kg	04/12/11	04/12/11
		Benzene	ND	5.0 µg/Kg	04/12/11	04/12/11
		Toluene	ND	5.0 µg/Kg	04/12/11	04/12/11
		Ethylbenzene	ND	5.0 µg/Kg	04/12/11	04/12/11
		m,p-Xylene	ND	5.0 µg/Kg	04/12/11	04/12/11
		o-Xylene	ND	5.0 µg/Kg	04/12/11	04/12/11
Client ID :	IW2-27					
Lab ID :	STR11041101-07A	TPH-P (GRO)	ND	1,000 µg/Kg	04/12/11	04/12/11
Date Sampled	04/06/11 10:20	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	04/12/11	04/12/11
		Methyl tert-butyl ether (MTBE)	250	5.0 µg/Kg	04/12/11	04/12/11
		Benzene	ND	5.0 µg/Kg	04/12/11	04/12/11
		Toluene	ND	5.0 µg/Kg	04/12/11	04/12/11
		Ethylbenzene	ND	5.0 µg/Kg	04/12/11	04/12/11
		m,p-Xylene	ND	5.0 µg/Kg	04/12/11	04/12/11
		o-Xylene	ND	5.0 µg/Kg	04/12/11	04/12/11
Client ID :	EX1-16					
Lab ID :	STR11041101-08A	TPH-P (GRO)	1,500	1,000 µg/Kg	04/12/11	04/12/11
Date Sampled	04/07/11 08:35	Tertiary Butyl Alcohol (TBA)	1,400	500 µg/Kg	04/12/11	04/12/11
		Methyl tert-butyl ether (MTBE)	2,100	5.0 µg/Kg	04/12/11	04/12/11
		Benzene	ND	5.0 µg/Kg	04/12/11	04/12/11
		Toluene	ND	5.0 µg/Kg	04/12/11	04/12/11
		Ethylbenzene	ND	5.0 µg/Kg	04/12/11	04/12/11
		m,p-Xylene	ND	5.0 µg/Kg	04/12/11	04/12/11
		o-Xylene	ND	5.0 µg/Kg	04/12/11	04/12/11
Client ID :	EX1-26					
Lab ID :	STR11041101-09A	TPH-P (GRO)	ND	1,000 µg/Kg	04/12/11	04/12/11
Date Sampled	04/07/11 08:47	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	04/12/11	04/12/11
		Methyl tert-butyl ether (MTBE)	99	5.0 µg/Kg	04/12/11	04/12/11
		Benzene	ND	5.0 µg/Kg	04/12/11	04/12/11
		Toluene	ND	5.0 µg/Kg	04/12/11	04/12/11
		Ethylbenzene	ND	5.0 µg/Kg	04/12/11	04/12/11
		m,p-Xylene	ND	5.0 µg/Kg	04/12/11	04/12/11
		o-Xylene	ND	5.0 µg/Kg	04/12/11	04/12/11
Client ID :	EX1-31					
Lab ID :	STR11041101-10A	TPH-P (GRO)	ND	1,000 µg/Kg	04/12/11	04/12/11
Date Sampled	04/07/11 08:52	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	04/12/11	04/12/11
		Methyl tert-butyl ether (MTBE)	77	5.0 µg/Kg	04/12/11	04/12/11
		Benzene	ND	5.0 µg/Kg	04/12/11	04/12/11
		Toluene	ND	5.0 µg/Kg	04/12/11	04/12/11
		Ethylbenzene	ND	5.0 µg/Kg	04/12/11	04/12/11
		m,p-Xylene	ND	5.0 µg/Kg	04/12/11	04/12/11
		o-Xylene	ND	5.0 µg/Kg	04/12/11	04/12/11



Alpha Analytical, Inc.

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Gasoline Range Organics (GRO) C4-C13

Sample results were calculated on a wet weight basis.

ND = Not Detected

Reported in micrograms per Kilogram, per client request.

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

RS

4/18/11

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
15-Apr-11

QC Summary Report

Work Order:
11041101

Method Blank

File ID: 11041225.D

Type: MBLK

Test Code: EPA Method SW8015B/C

Batch ID: MS08S6304B

Analysis Date: 04/12/2011 19:21

Sample ID: MBLK MS08S6304B

Units: µg/Kg

Run ID: MSD_08_110412B

Prep Date: 04/12/2011 19:21

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	1000								
Surr: 1,2-Dichloroethane-d4	197		200		99	70	130			
Surr: Toluene-d8	236		200		118	70	130			
Surr: 4-Bromofluorobenzene	165		200		82	70	130			

Laboratory Control Spike

File ID: 11041229.D

Type: LCS

Test Code: EPA Method SW8015B/C

Batch ID: MS08S6304B

Analysis Date: 04/12/2011 20:59

Sample ID: GLCS MS08S6304B

Units: µg/Kg

Run ID: MSD_08_110412B

Prep Date: 04/12/2011 20:59

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	16300	2000	16000		102	63	148			
Surr: 1,2-Dichloroethane-d4	401		400		100	70	130			
Surr: Toluene-d8	422		400		105	70	130			
Surr: 4-Bromofluorobenzene	366		400		92	70	130			

Sample Matrix Spike

File ID: 11041312.D

Type: MS

Test Code: EPA Method SW8015B/C

Batch ID: MS08S6304B

Analysis Date: 04/13/2011 15:33

Sample ID: 11041101-05AGS

Units: µg/Kg

Run ID: MSD_08_110412B

Prep Date: 04/13/2011 15:33

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	14800	2000	16000	0	92	35	166			
Surr: 1,2-Dichloroethane-d4	409		400		102	70	130			
Surr: Toluene-d8	417		400		104	70	130			
Surr: 4-Bromofluorobenzene	358		400		90	70	130			

Sample Matrix Spike Duplicate

File ID: 11041313.D

Type: MSD

Test Code: EPA Method SW8015B/C

Batch ID: MS08S6304B

Analysis Date: 04/13/2011 15:57

Sample ID: 11041101-05AGSD

Units: µg/Kg

Run ID: MSD_08_110412B

Prep Date: 04/13/2011 15:57

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	15200	2000	16000	0	95	35	166	14760	3.1(33)	
Surr: 1,2-Dichloroethane-d4	407		400		102	70	130			
Surr: Toluene-d8	429		400		107	70	130			
Surr: 4-Bromofluorobenzene	363		400		91	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Kilogram, per client request.



Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
15-Apr-11

QC Summary Report

Work Order:
11041101

Method Blank

File ID: 11041225.D

Type: MBLK Test Code: EPA Method SW8260B

Batch ID: MS08S6304A

Analysis Date: 04/12/2011 19:21

Sample ID: MBLK MS08S6304A

Units: µg/Kg

Run ID: MSD_08_110412B

Prep Date: 04/12/2011 19:21

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Tertiary Butyl Alcohol (TBA)	ND	500								
Methyl tert-butyl ether (MTBE)	ND	5								
Benzene	ND	5								
Toluene	ND	5								
Ethylbenzene	ND	5								
m,p-Xylene	ND	5								
o-Xylene	ND	5								
Surr: 1,2-Dichloroethane-d4	197		200		99	70	130			
Surr: Toluene-d8	236		200		118	70	130			
Surr: 4-Bromofluorobenzene	165		200		82	70	130			

Laboratory Control Spike

File ID: 11041226.D

Type: LCS Test Code: EPA Method SW8260B

Batch ID: MS08S6304A

Analysis Date: 04/12/2011 19:45

Sample ID: LCS MS08S6304A

Units: µg/Kg

Run ID: MSD_08_110412B

Prep Date: 04/12/2011 19:45

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	462	10	400		115	61	147			
Benzene	488	10	400		122	70	138			
Toluene	456	10	400		114	70	137			
Ethylbenzene	467	10	400		117	70	138			
m,p-Xylene	434	10	400		109	70	145			
o-Xylene	440	10	400		110	70	145			
Surr: 1,2-Dichloroethane-d4	432		400		108	70	130			
Surr: Toluene-d8	395		400		99	70	130			
Surr: 4-Bromofluorobenzene	389		400		97	70	130			

Sample Matrix Spike

File ID: 11041227.D

Type: MS Test Code: EPA Method SW8260B

Batch ID: MS08S6304A

Analysis Date: 04/12/2011 20:10

Sample ID: 11041101-05AMS

Units: µg/Kg

Run ID: MSD_08_110412B

Prep Date: 04/12/2011 20:10

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	1540	10	400	1017	130	42	157			
Benzene	450	10	400	0	112	53	150			
Toluene	429	10	400	0	107	51	149			
Ethylbenzene	438	10	400	0	110	54	150			
m,p-Xylene	402	10	400	0	101	50	161			
o-Xylene	416	10	400	0	104	35	177			
Surr: 1,2-Dichloroethane-d4	434		400		108	70	130			
Surr: Toluene-d8	400		400		100	70	130			
Surr: 4-Bromofluorobenzene	384		400		96	70	130			

Sample Matrix Spike Duplicate

File ID: 11041228.D

Type: MSD Test Code: EPA Method SW8260B

Batch ID: MS08S6304A

Analysis Date: 04/12/2011 20:34

Sample ID: 11041101-05AMSD

Units: µg/Kg

Run ID: MSD_08_110412B

Prep Date: 04/12/2011 20:34

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	1600	10	400	1017	146	42	157	1539	4.0(32)	
Benzene	430	10	400	0	108	53	150	449.8	4.5(26)	
Toluene	411	10	400	0	103	51	149	429	4.4(26)	
Ethylbenzene	416	10	400	0	104	54	150	438.4	5.4(29)	
m,p-Xylene	388	10	400	0	97	50	161	402.5	3.6(38)	
o-Xylene	394	10	400	0	98	35	177	416.4	5.5(40)	
Surr: 1,2-Dichloroethane-d4	429		400		107	70	130			
Surr: Toluene-d8	396		400		99	70	130			
Surr: 4-Bromofluorobenzene	388		400		97	70	130			



Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
15-Apr-11

QC Summary Report

Work Order:
11041101

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : STR11041101
Report Due By : 5:00 PM On : 18-Apr-2011

Client:
 Stratus Environmental
 3330 Cameron Park Drive
 Suite 550
 Cameron Park, CA 95682-8861

Report Attention	Phone Number	E-Mail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

EDD Required : Yes

Sampled by : Scott Bittinger

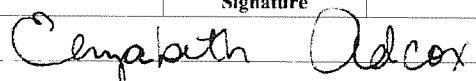
PO :
 Client's COC # : 54032 Job : 2087-6600-01/ Foothill Mini Mart

Cooler Temp Samples Received Date Printed
 0 °C 09-Apr-2011 11-Apr-2011

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests							Sample Remarks			
				Alpha	Sub	TAT	TPH/P_S	VOC_S									
STR11041101-01A	IW1-11	SO	04/06/11 12:37	1	0	5	GAS-C	BTEX/MTBE /TBA_C									
STR11041101-02A	IW1-19	SO	04/06/11 13:10	1	0	5	GAS-C	BTEX/MTBE /TBA_C									
STR11041101-03A	IW1-27	SO	04/06/11 13:37	1	0	5	GAS-C	BTEX/MTBE /TBA_C									
STR11041101-04A	IW2-11	SO	04/06/11 09:24	1	0	5	GAS-C	BTEX/MTBE /TBA_C									
STR11041101-05A	IW2-19	SO	04/06/11 09:45	1	0	5	GAS-C	BTEX/MTBE /TBA_C									
STR11041101-06A	IW2-23	SO	04/06/11 09:55	1	0	5	GAS-C	BTEX/MTBE /TBA_C									
STR11041101-07A	IW2-27	SO	04/06/11 10:20	1	0	5	GAS-C	BTEX/MTBE /TBA_C									
STR11041101-08A	EX1-16	SO	04/07/11 08:35	1	0	5	GAS-C	BTEX/MTBE /TBA_C									
STR11041101-09A	EX1-26	SO	04/07/11 08:47	1	0	5	GAS-C	BTEX/MTBE /TBA_C									
STR11041101-10A	EX1-31	SO	04/07/11 08:52	1	0	5	GAS-C	BTEX/MTBE /TBA_C									


Comments: Samples picked up by Alpha employee. Frozen ice. Samples picked up 4/9/11 kept cold and secure until login on 4/11/11. :

Signature	Print Name	Company	Date/Time
	Elizabeth Adcox	Alpha Analytical, Inc.	4-11-11 9:49

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
 The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company Name Starks Environmental, Inc.
 Attn: _____
 Address _____
 City, State, Zip _____
 Phone Number _____ Fax _____



Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21
 Sparks, Nevada 89431-5778
 Phone (775) 355-1044
 Fax (775) 355-0406

Samples Collected From Which State?
 AZ _____ CA NV _____ WA _____ DOD Site _____
 ID _____ OR _____ OTHER _____ Page # 1 of 1

Consultant / Client Name		Job #	Job Name		Analyses Required				Data Validation Level: III or IV		
Footmill Mini Mart		2067-0600-01	Footmill Mini Mart		GRD	BTEX	MTBE	TBA	EDD / EDF? YES <input checked="" type="checkbox"/> NO _____		
Address: 6660 Footmill Blvd City, State, Zip: Oakland, CA		Report Attention / Project Manager		Global ID #							
Time Sampled	Date Sampled	Matrix See Key Below	P.O. #	Name: Scott Bittings	Field Filtered	# Containers**	REMARKS				
			Lab ID Number (Office Use Only)	Sample Description	TAT						
12:57	4-6	SO	STR11041101-01	Iw1-11	Std	1-B	✓	✓	✓	✓	
13:00	4-6	SO	FOR	Iw1-19	↓	1-B	↓	↓	↓	↓	
13:37	4-6	SO		Iw1-27	↓	1-P	↓	↓	↓	↓	
9:24	4-6	SO		Iw2-11	↓	1-B	↓	↓	↓	↓	
9:45	4-6	SO	LAB	Iw2-19	↓	1-B	↓	↓	↓	↓	
9:55	4-6	SO		Iw2-23	↓	1-P	↓	↓	↓	↓	
10:20	4-6	SO		Iw2-27	↓	1-P	↓	↓	↓	↓	
8:35	4-7	SO	USE	EX1-16	↓	1-B	↓	↓	↓	↓	
5:47	4-7	SO		EX1-26	↓	1-B	↓	↓	↓	↓	
4:52	4-7	SO		EX1-31	↓	1-B	↓	↓	↓	↓	
			ONLY								

ADDITIONAL INSTRUCTIONS:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled By: Scott Bittings

Relinquished by: (Signature/Affiliation) <u>Scott Bittings - Starks</u>	Received by: (Signature/Affiliation) <u>[Signature]</u>	Date: <u>4-8-11</u>	Time: <u>11:40</u>
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation) <u>[Signature]</u>	Date: <u>4-11-11</u>	Time: <u>9:49</u>
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other
NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

APPENDIX E

**GEOTRACKER DATA UPLOAD CONFIRMATION
SHEETS**

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600102286
<u>Field Point:</u>	IW-1A/B
<u>Facility Name:</u>	FOOTHILL MINI MART
<u>File Name:</u>	SKMBT_C35311041513340.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	12.186.106.98
<u>Submittal Date/Time:</u>	4/15/2011 1:41:04 PM
<u>Confirmation Number:</u>	8815408289

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STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600102286
<u>Field Point:</u>	IW-2A/B
<u>Facility Name:</u>	FOOTHILL MINI MART
<u>File Name:</u>	SKMBT_C35311041513350.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	12.186.106.98
<u>Submittal Date/Time:</u>	4/15/2011 1:41:43 PM
<u>Confirmation Number:</u>	3655827343

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STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

SUCCESS

Your GEO_BORE file has been successfully submitted!

<u>Submittal Type:</u>	GEO_BORE
<u>Facility Global ID:</u>	T0600102286
<u>Field Point:</u>	EX-1
<u>Facility Name:</u>	FOOTHILL MINI MART
<u>File Name:</u>	SKMBT_C35311041513351.pdf
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	12.186.106.98
<u>Submittal Date/Time:</u>	4/15/2011 1:42:23 PM
<u>Confirmation Number:</u>	4432011425

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