February 4, 2011

Ms. Donna Drogos
Alameda County Environmental Health
1131 Harbor Parkway, Suite 250
Oakland, CA 94502-6577

Subject: Site Investigation Results Report
Stop N Save Inc.
20570 Stanton Avenue, Castro Valley, Alameda County, California
RO #0000179
ECG # SNS.18281

Dear Ms. Drogos:

Enclosed please find a copy of the January 28, 2011 Site Investigation and Fourth Quarter 2010 Monitoring Report for the above referenced site prepared by our consultant Environmental Compliance Group, LLC.

I declare, under penalty and perjury, that the information and/or recommendations contained in this report are true and correct to the best of my knowledge.

Respectfully,

Sean Kapoor

Environmental Compliance Group, LLC

270 Vintage Drive
Turlock, CA 95382
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SITE INVESTIGATION AND FOURTH QUARTER 2010 MONITORING REPORT

STOP N SAVE INC. FACILITY
20570 STANTON AVENUE
CASTRO VALLEY, CALIFORNIA

Prepared for: Stop N Save Inc.

ECG Project Number: SNS.18281
Alameda County Fuel Leak Case No. RO0000179

January 28, 2011

Drew Van Allen
Senior Project Manager

Michael S. Sgourakis
Principal Geologist
CA P.G. No. 7194

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INTRODUCTION

Environmental Compliance Group (ECG) has been authorized by Stop N Save, Inc. to provide this Results Report for the Valley Gas & Food Mart facility (the site).

This report provides details on:

- performing sensitive receptor survey
- installing six soil borings, three monitoring wells, and
- conducting the fourth quarter 2010 groundwater monitoring event

This report was prepared in accordance with ECG's *Site Investigation Workplan* prepared on July 26, 2010 and Alameda County Environmental Health Department (ACEHD) correspondence dated September 2, 2010 (Appendix A). Site information is as follows:

Site Location:	20570 Stanton Avenue Castro Valley, California
Geotracker Global ID:	T0600183405

LIMITATIONS

This report has been prepared for use by Stop N Save, Inc. and the relevant regulatory agencies. The conclusions in this report are professional opinions based on the data presented in this report. This report was prepared in general accordance with hydrogeologic and engineering methods and standards. No other warranties are made as to the findings or conclusions presented in this report. The work described in this report was performed under the direct supervision of the professional geologist whose signature and State of California registration are shown above.

SITE DESCRIPTION AND HYDROGEOLOGIC CONDITIONS

SITE DESCRIPTION

The site occupies a parcel on the southeast corner of Stanton Avenue and San Carlos Avenue in, Castro Valley, California (Figure 1). The site is situated in a commercial and residential area in central Castro Valley and is currently operated as a gasoline station. The area of interest at the site is the former location of two 10,000 gallon underground storage tanks (USTs) and fuel dispensers where impacted soil and groundwater was first identified in 2000. A detailed site plan is shown on Figure 2.

HYDROGEOLOGIC CONDITIONS

The site is underlain by Quaternary-aged alluvium. Mapped bedrock outcrops near the site include the Penoche Formation, a conglomerate, and the Knoxville Formation, a micaceous shale. The site is located in the Castro Valley Groundwater Basin (designated 2.8), which is approximately 4 miles square and drains into San Lorenzo Creek.

Based on boring logs from the installation of the three groundwater monitoring wells and the advancement of one soil boring, the stratigraphy of the site and vicinity consists of silty clay to silt

with sand from the surface to 23-feet below ground surface (bgs). Discontinuous thin intervals of sands and/or gravels appear to be present in the area at minor thicknesses.

Groundwater monitoring has been ongoing for 10 years. Depth to groundwater is shallow, ranging between 4- to 9-feet bgs. The groundwater flow direction has been consistently toward the northeast generally following the surface topography.

CLEANUP GOALS

It is prudent to establish cleanup goals for soil and groundwater based upon reaching the residential Environmental Screening Levels (ESLs) established by Region II for sites where shallow soil has been impacted and groundwater is a current or potential drinking water source. The San Francisco Bay Regional Water Quality Board's Water Quality Plan lists Municipal and Domestic Water Supply, Industrial Process Water Supply, Industrial Service Water Supply, and Agricultural Water supply as Potential Beneficial Uses for the Castro Valley Groundwater Basin. The primary constituents of concern relative to the site appear to be total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary amyl ether (TAME), and tertiary butyl alcohol (TBA). Accordingly, the following cleanup goals are proposed:

Constituent	**Soil (mg/kg)**	**Groundwater (ug/L)**
TPHg	83	100
Benzene	0.044	1.0
Toluene	2.9	40
Ethylbenzene	3.3	30
Xylenes	2.3	20
MTBE	0.023	5.0
TBA	0.075	12

PROJECT BACKGROUND

INVESTIGATIONS

In February 2000, two 10,000-gallon USTs and associated dispensers were removed. Results are detailed in Enviro Soil Tech Consultants' (ETSC) *Soil Sampling Beneath Removed USTs Report*, dated March 8, 2000.

In July 2000, overexcavation occurred and sampling showed reported concentrations in soil at 11-feet bgs at the north end of the excavation.

In September 2000, ETSC supervised the installation of three groundwater monitoring wells (STMW-1 through STMW-3) and the advancement of one soil boring (B-4). Results are detailed in ETSC's *Preliminary Soil and Groundwater Assessment Report*, dated October 13, 2000.

In November 2010, ECG supervised the advancement of six soil borings (SB-5 through SB-10) and the installation of three groundwater monitoring wells (MW-4 through MW-6). Results are detailed in ECG's *Site Investigation and Fourth Quarter 2010 Monitoring Report*, dated January 28, 2011.

Well construction details are provided on Table 1.

DISTRIBUTION OF MASS CONTAMINANTS

Five UST removal soil samples, eight over excavation soil samples, six groundwater monitoring wells and seven soil borings (Figure 2) have not adequately characterized the lateral and vertical extent of impacted soil. Soil analytical results are summarized on Tables 2a and 2b and show reported soil concentrations did exceed ESLs for TPHg, BTEX, MTBE and TBA, with the highest reported concentrations at sample locations Pit-7-11, Pit-8-11, and MW-4 which are all located at the northern end of the former UST basin. A smear zone exists from 8- to 10-feet bgs located from MW-5 to the southwest, through the source to SB-6 to the east. Additional definition is needed east of boring SB-6. Soil boring SB-10 was advanced to 25-feet bgs with no detections deeper than 10-feet bgs providing vertical definition.

Six groundwater monitoring wells and three groundwater grab sample have not adequately characterized the lateral extent of impacted groundwater downgradient from the site. Groundwater analytical results are summarized on Tables 3a, 3b, 4a, and 4b and show current reported groundwater concentrations exceed ESLs for MTBE and TBA constituents at location STMW-1, MW-4, MW-5, and MW-6.

RISK ASSESSMENTS

A preferential pathway study was completed and is detailed in ECG's *Site Investigation Workplan*, dated July 26, 2010.

A sensitive receptor survey was completed and is detailed later in this report.

A soil vapor survey has not been completed for the site.

CORRECTIVE ACTIONS

In July 2000, ETSC over-excavated and treated with bioremediation techniques, approximately 150 cubic yards of impacted soil. Results of the sampling, treatment, and disposal activities are detailed in ETSC's *Soil Sampling, Treatment, and Disposal of Stockpiled Soil Report*, dated August 21, 2000.

RECENT ACTIVITIES

WORK PERFORMED AND PROPOSED

The following is a summary of work performed and work proposed at the site.

Work Performed

1. ECG performed the sensitive receptor survey.
2. On November 10 to 12, 2010, ECG advanced six soil borings (SB-5 through SB-10).
3. On November 10 to 12, 2010, ECG installed monitoring wells (MW-4, MW-5, and MW-6).
4. On November 30, 2010, ECG performed the fourth quarter 2010 monitoring event.

Work Scheduled for Next Quarter

1. Perform the first quarter 2011 monitoring event.
2. Prepare the site investigation and fourth quarter 2010 groundwater report.

SENSITIVE RECEPTOR SURVEY

In November 2010, ECG conducted a sensitive receptor survey for the site. Based on the results of the well search conducted at the Department of Water Resources (DWR), 29 wells were identified within approximately 1,500 feet of the site. No surface water bodies are found within 2,000-feet of the site. Ten groundwater wells (#8 through #17) were reported to be within 500-feet and are situated crossgradient of the site. Only two of the located wells (#27 and #28) were identified as something other than monitoring wells or test holes.

Mr. Harvey Hanoi with East Bay Municipal Utilities District stated that there are no drinking water wells located within 2,000 feet of the site. The sensitive receptors locations are shown on Figure 8 and details are listed in Table 5.

BORING AND WELL INSTALLATIONS

Preparation

All work was conducted according ECG's approved workplan dated July 26, 2010. ECG obtained encroachment permits from Alameda County for the advancement of soil boring SB-9 in the right of way and obtained boring and well installation permits from ACEHD. ECG prepared a site-specific Health and Safety Plan for the proposed scope of work as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR.1910.120). The document was reviewed and signed by all ECG personnel and subcontractors prior to performing work at the site.

Prior to conducting and subsurface work at the site, Underground Services Alert (USA) was contacted to delineate subsurface utilities near the site with surface markings. In addition, the first five feet of every location was hand cleared as a further precaution against damaging underground utilities. All work was done in accordance to ECG SOPs included as Appendix C.

Soil Borings

On November 10 through 12, 2010, ECG supervised RSI Drilling (RSI) of Woodland, California, during the advancement of six direct push soil borings (SB-5 through SB-10) at locations shown on Figure 2. Borings SB-5 through SB-9 were advanced to laterally delineate impacted soil and groundwater crossgradient and downgradient from the site. Borings were advanced to approximately 10-feet bgs with the exception of borings SB-9 and SB-10. Boring SB-9 was the first boring advanced and was drilled to 20-feet bgs searching for a water bearing lens. Boring SB-10 was advanced to 25-feet bgs to vertically define the impacted soil in the suspected source area.

Soil Sampling

Soil samples were collected continuously in each boring and the soil was logged for lithology and monitored for volatile organic compounds with a photo ionization detector (PID). Based on soil type and PID readings, selected samples were chosen for analysis, sealed with Teflon tape and plastic end caps, labeled, and placed in an insulated container for delivery to Argon Labs in Ceres, California under proper chain-of-custody (COC) documentation. The soil samples were analyzed for TPHg, benzene, toluene, ethyl benzene, xylenes (BTEX), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), methyl tertiary butyl ether (MTBE), tertiary butyl alcohol (TBA), tertiary amyl ether (TAME), 1,2-dichloroethane, (1,2-DCA), and ethyl dibromide (EDB) by EPA Method 8260B. Following soil and groundwater sample collection, the borings were grouted to the surface with a neat cement grout. Boring logs and well construction details are provided in Appendix B.

Groundwater Sampling

Discrete groundwater samples were collected from borings SB-7 at a depth of approximately 10-feet bgs and from SB-9 at a depth of 20-feet bgs through temporary PVC slotted casing after sitting overnight. Soil borings SB-5, SB-6, SB-8, and SB-10 did not yield groundwater for sample collection. Groundwater samples were collected into appropriate containers, labeled, and placed in an insulated container for delivery to Argon Labs in Ceres, California under proper COC documentation. The groundwater samples were analyzed for TPHg, BTEX, five oxygenates, and two lead scavengers by EPA Method 8260B.

Monitoring Well Installation

On November 11 and 12, 2010, ECG supervised RSI during the installation of three monitoring wells (MW-4, MW-5, and MW-6) at locations shown on Figure 2. The wells were installed using 8-inch diameter augers. The wells were installed to 13- to 15-feet bgs and groundwater was encountered at approximately 7-feet bgs. The wells are constructed as 2-inch diameter PVC wells with 11-feet of 0.020 screen and #3 sand. A two-foot bentonite seal separates the filter pack from the neat cement grout installed to the surface.

Soil Sampling

Soil samples were collected continuously in each boring and the soil was logged for lithology and monitored for volatile organic compounds with a PID. Based on soil type and PID readings, selected samples were chosen for analysis, sealed with Teflon tape and plastic end caps, labeled, and placed in an insulated container for delivery to Argon Labs in Ceres, California under proper COC documentation. The soil samples were analyzed for TPHg, BTEX, five oxygenates, and two lead scavengers by EPA Method 8260B. Boring logs and well construction details are provided in Appendix B.

FOURTH QUARTER 2010 GROUNDWATER MONITORING EVENT

ECG performed the fourth quarter 2010 groundwater monitoring and sampling event at the site on November 30, 2010. Gauging, development, purging, and sampling were conducted in accordance with ECG's SOPs included in Appendix C. The collected groundwater samples were submitted to Argon Labs in Ceres, California for laboratory analysis under COC protocols

The following is a summary of the current status of the groundwater monitoring program at the site:

Current Phase of Project:	Assessment
Groundwater Sampling Schedule:	Quarterly Wells MW-1 through MW-6
Analysis:	TPHg, BTEX, 5 oxygenates, and 2 lead scavengers by EPA Method 8260B
Is Free Product Present On-Site:	No

The following is a summary of recent field and analytical data:

Average Depth to Groundwater	7.40-feet bgs
Average Groundwater Elevation	157.04-feet above mean sea level
Groundwater Gradient Direction	Northeast
Groundwater Gradient	0.043 feet/foot

TPHg Detected Range	200 micrograms per liter (ug/L) (MW-5) to 2,700 ug/L (MW-4).
Benzene Detected Range	1.8 ug/L (MW-5) to 56 ug/L (MW-4)
MTBE Detected Range	2.2 ug/L (STMW-2) to 510 (MW-4)
TBA Detected	26 ug/L (MW-5) to 4,100 (STMW-1)

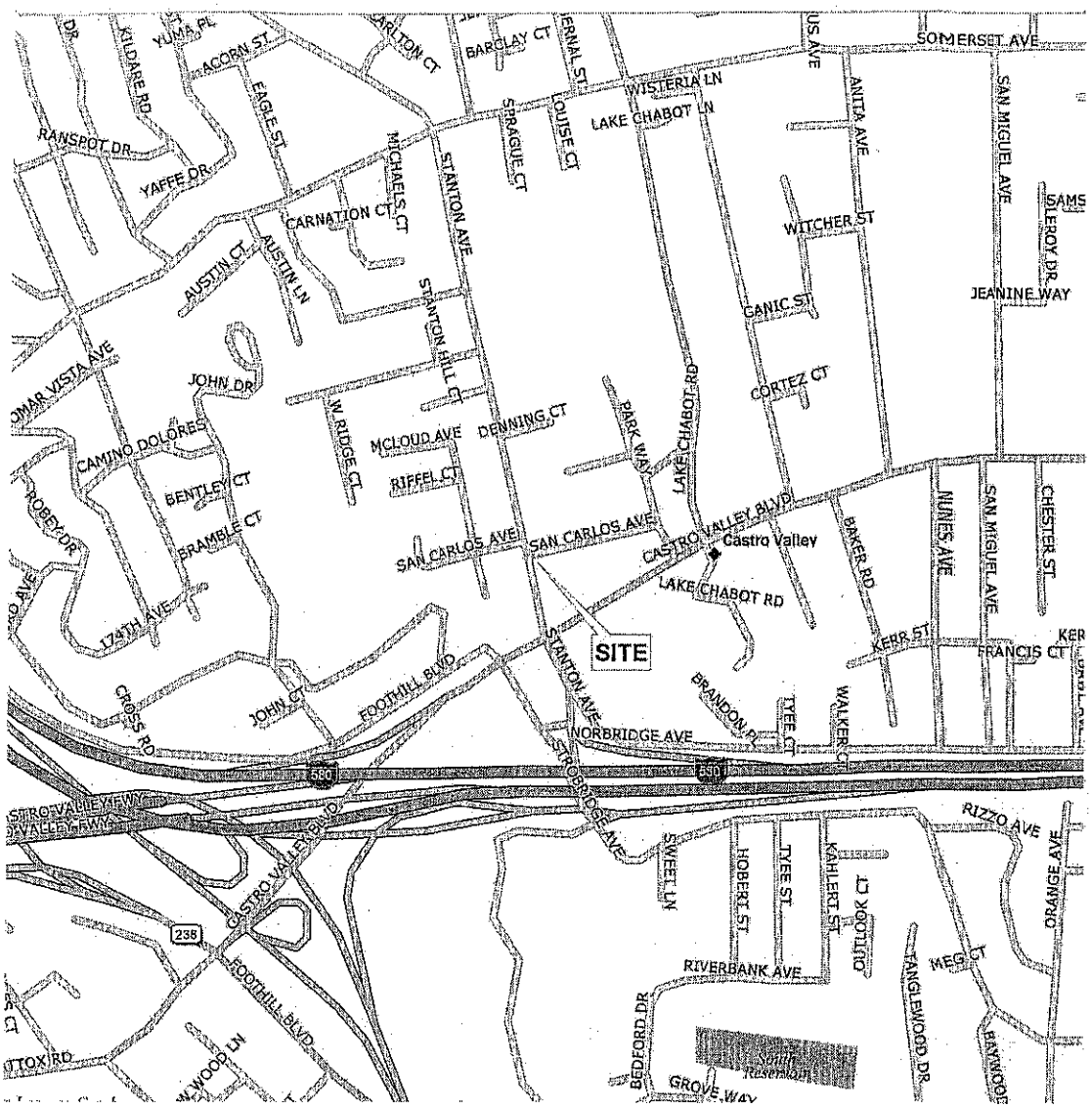
Laboratory analytical reports and COCs are provided in Appendix D. Field notes are located in Appendix E. Summaries of groundwater monitoring and analytical data are presented in Tables 4a and 4b.

CONCLUSIONS

The groundwater elevations and gradient direction from the fourth quarter 2010 are consistent with historical results. Groundwater isoconcentration maps from the fourth quarter 2010 are provided as Figures 4 through 7. The vertical and lateral extent of impacted groundwater appears to be defined with the exception of east of well MW-6. Based on analytical data from subsurface investigation activities, the vertical and lateral extent of impacted soil appears to be defined except for moderate smear zone concentrations at boring SB-6. The sensitive receptor survey only identified two potential receptors that were not monitoring wells or test holes.

It does not appear that additional assessment activities are required. ECG recommends preparing a Corrective Action Plan that will evaluate three potential remedial options for the site. One of the remedial options evaluated should be natural attenuation as MTBE concentrations have been naturally decreasing over time with no remedial activities.

FIGURES



NORTH

0 1,000 2,000

Approximate Scale In Feet
1 inch = 1,000 Feet

FIGURE 1	SITE LOCATION MAP	Environmental Compliance Group, LLC
Project Number: SNS.18281	Stop 'N' Save 20570 Stanton Avenue Castro Valley, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: July 21, 2010		

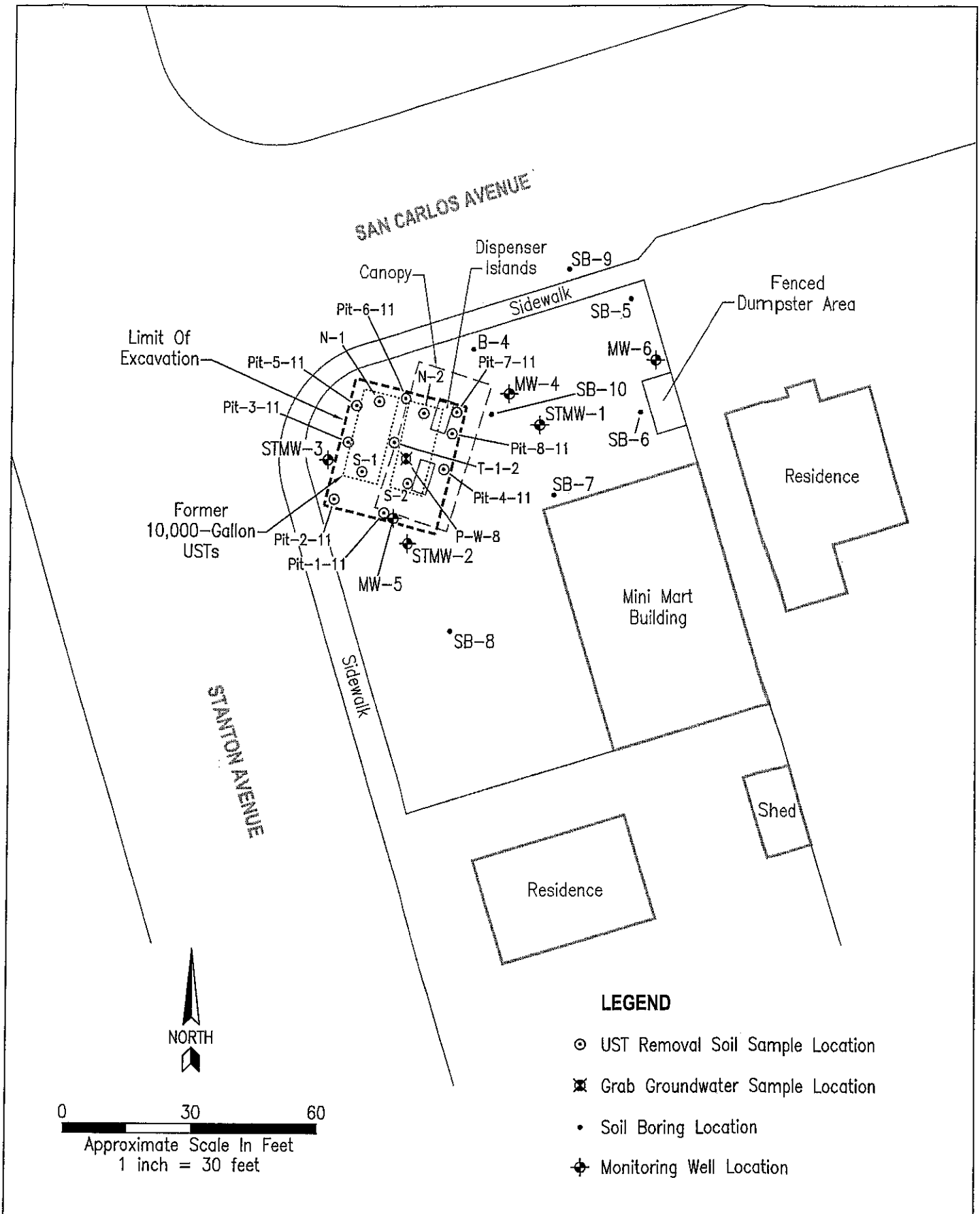


FIGURE 2 **Project Number:** SNS.18281 **Date:** January 17, 2011	**SITE MAP** Stop 'N' Save 20570 Stanton Avenue Castro Valley, California	**Environmental Compliance Group, LLC** 270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035

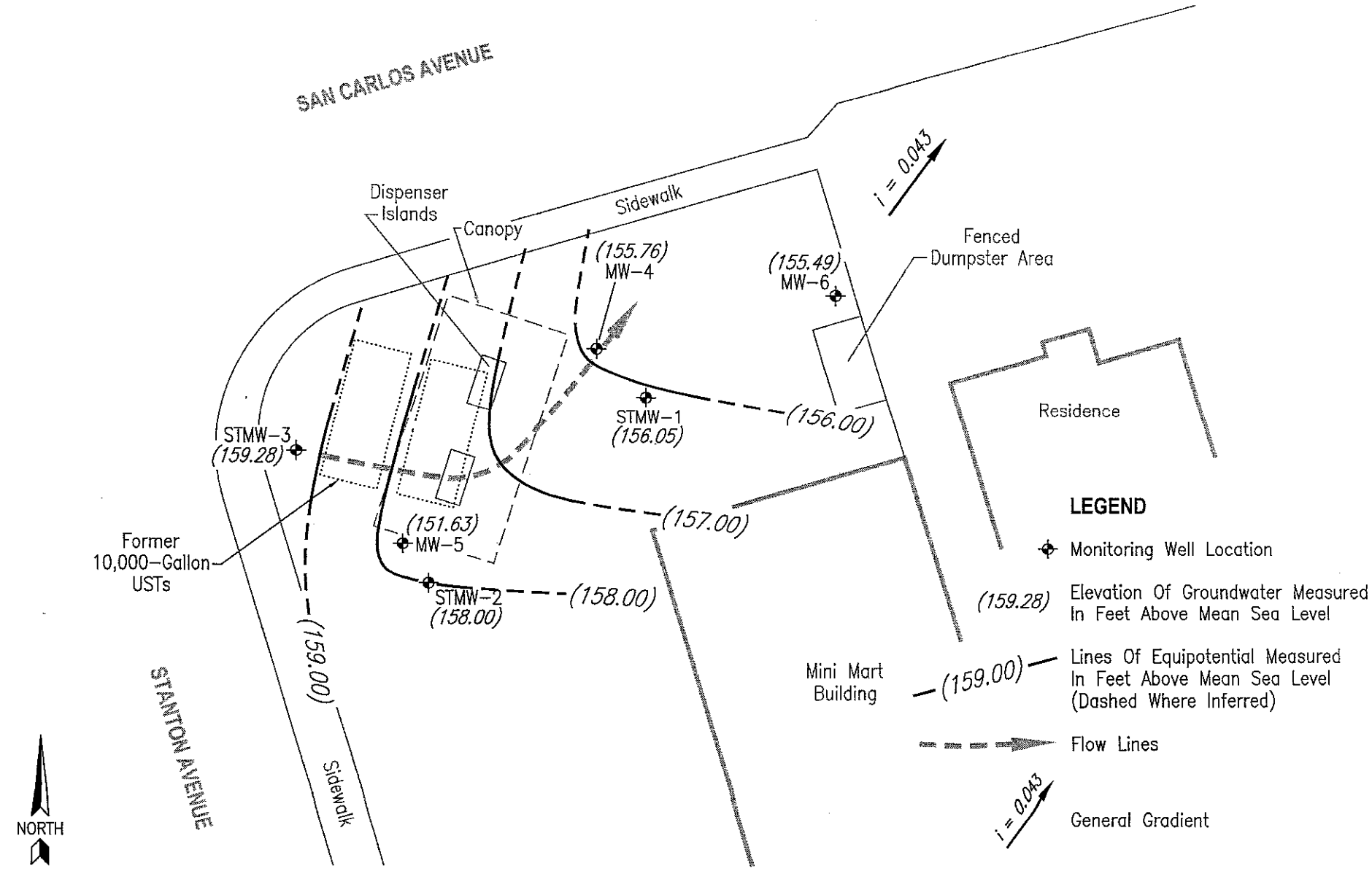


FIGURE 3	**POTENTIOMETRIC SURFACE MAP NOVEMBER 30, 2010**	**Environmental Compliance Group, LLC**
Project Number: SNS.18281	Stop 'N' Save 20570 Stanton Avenue Castro Valley, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: January 28, 2011		

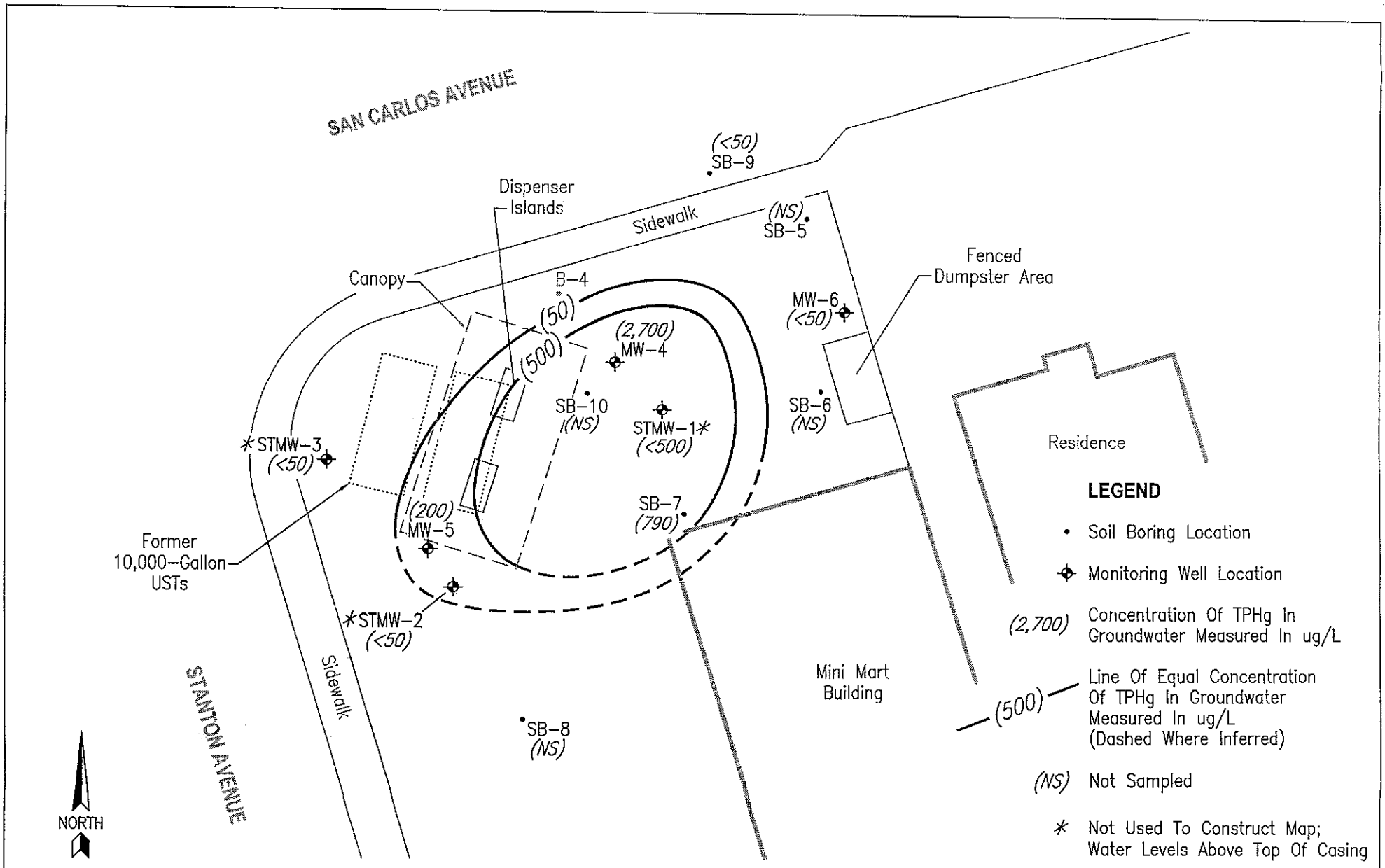


FIGURE 4	TPHg IN GROUNDWATER ISOCONCENTRATION MAP NOVEMBER 2010	Environmental Compliance Group, LLC
Project Number: SNS.18281	Stop 'N' Save 20570 Stanton Avenue Castro Valley, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: January 28, 2011		

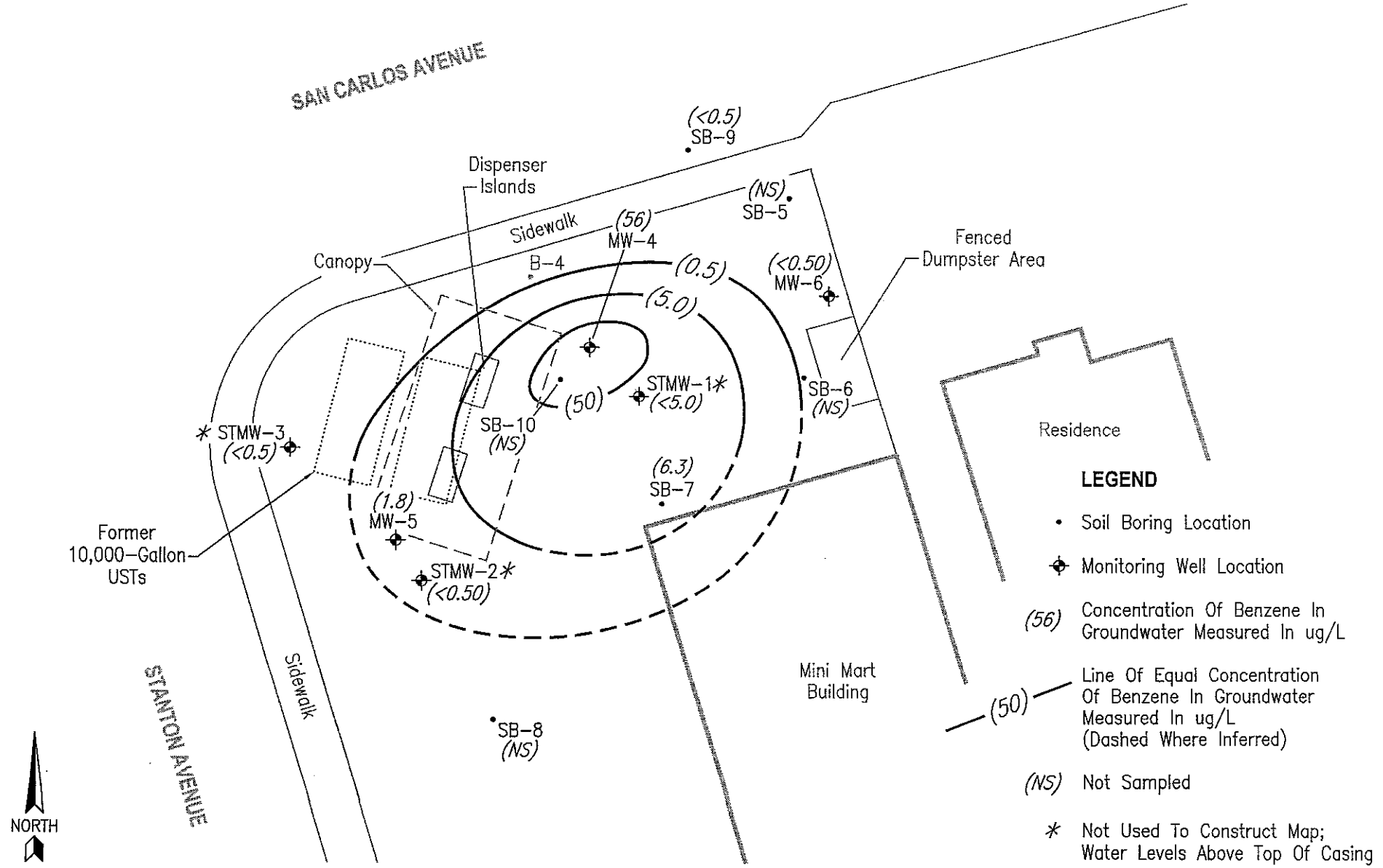


FIGURE 5	**BENZENE IN GROUNDWATER ISOCONCENTRATION MAP NOVEMBER 2010**	**Environmental Compliance Group, LLC**
Project Number: SNS.18281	Stop 'N' Save 20570 Stanton Avenue Castro Valley, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: January 28, 2011		

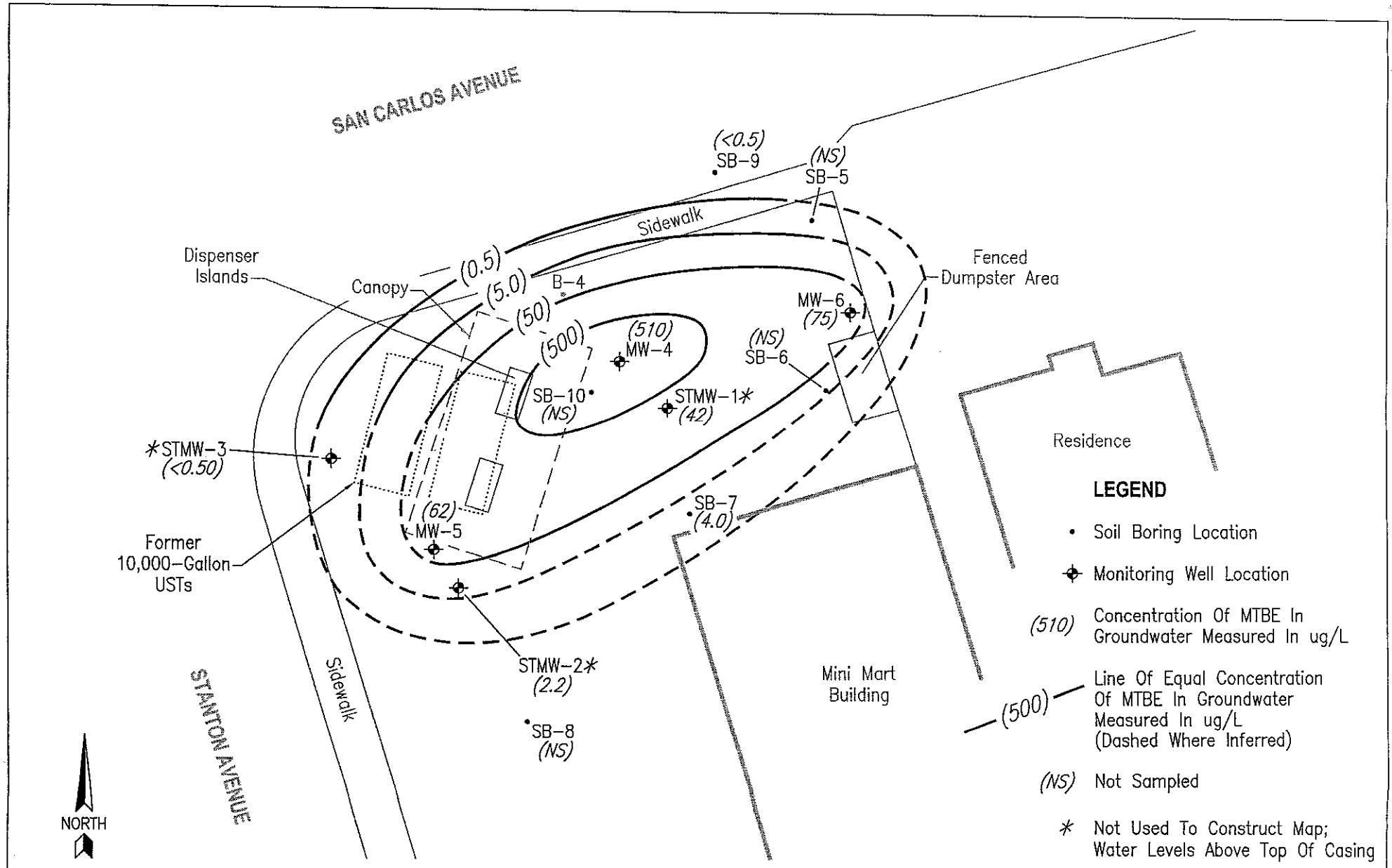


FIGURE 6	MTBE IN GROUNDWATER ISOCONCENTRATION MAP NOVEMBER 2010 Stop 'N' Save 20570 Stanton Avenue Castro Valley, California	Environmental Compliance Group, LLC 270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Project Number: SNS.18281		
Date: January 28, 2011		

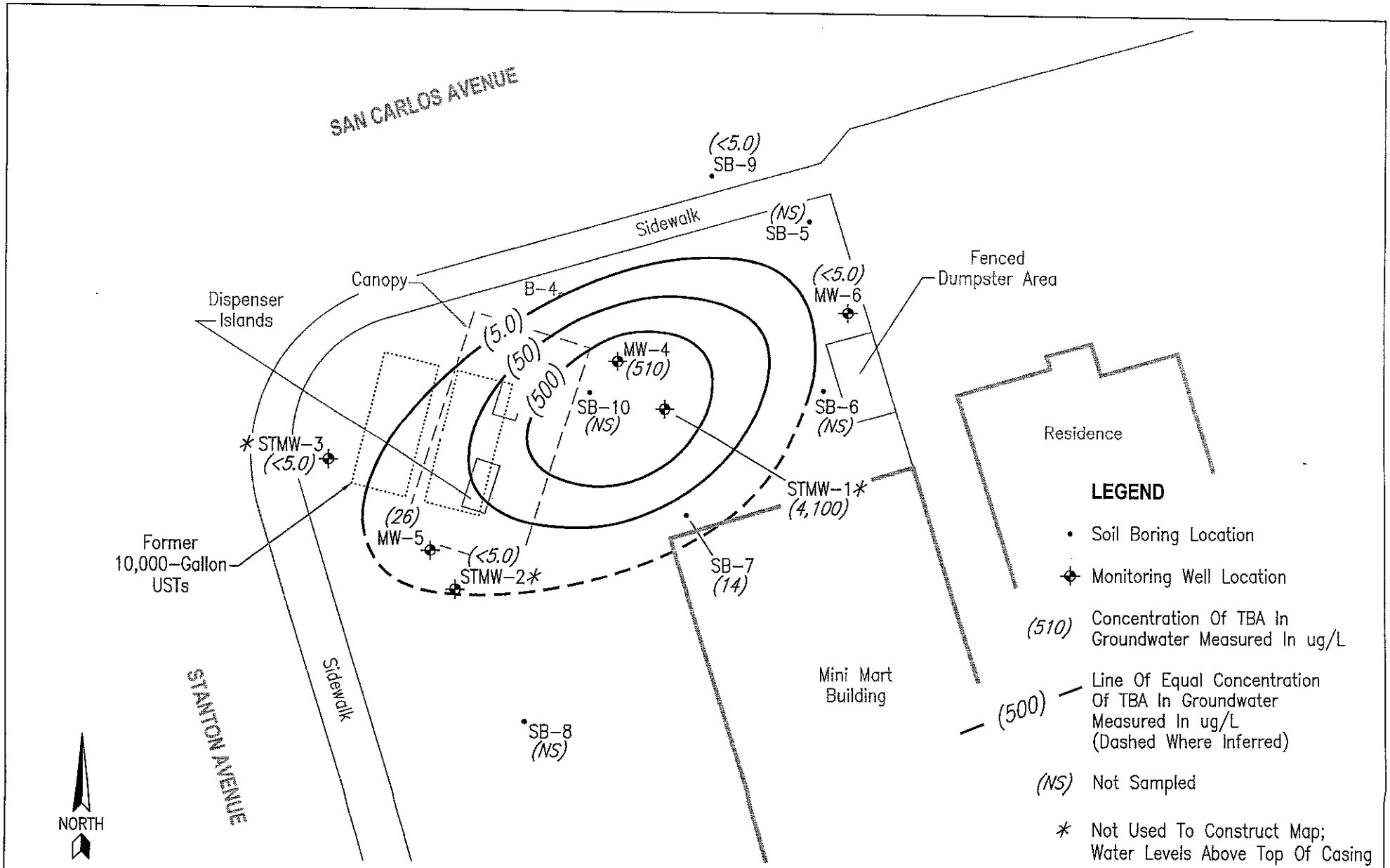
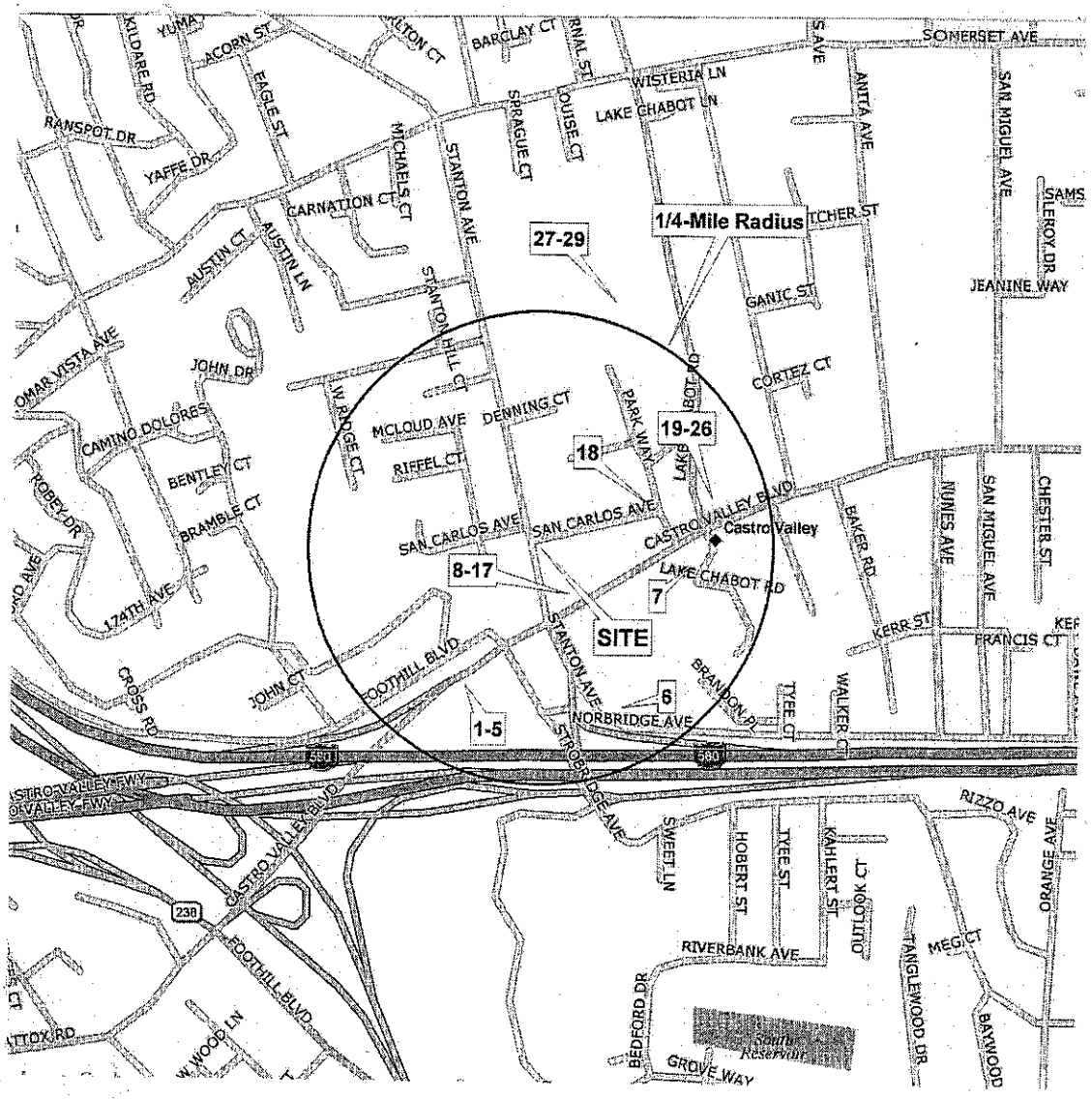


FIGURE 7	**TBA IN GROUNDWATER ISOCONCENTRATION MAP NOVEMBER 2010**	Environmental Compliance Group, LLC
Project Number: SNS.18281	Stop 'N' Save 20570 Stanton Avenue Castro Valley, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: January 28, 2011		



NORTH

0 1,000 2,000

Approximate Scale In Feet
1 inch = 1,000 Feet

FIGURE 8	**SENSITIVE RECEPTOR LOCATION MAP**	Environmental Compliance Group, LLC
Project Number: SNS.18281	Stop 'N' Save 20570 Stanton Avenue Castro Valley, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: January 28, 2011		

TABLES

Table 1
Well Construction Details
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Well ID	Date Installed	TOC Elevation (ft amsl)	Total Depth (ft bgs)	Casing Diameter (inches)	Casing Material	Screen/ Filter	Screen Interval (ft bgs)
Monitoring Wells							
STMW-1	October 2000	163.76	23	2	PVC	0.020/#3	9-23
STMW-2		164.94	22	2	PVC	0.020/#3	9-22
STMW-3		165.48	22	2	PVC	0.020/#3	9-22
MW-4	November 2010	163.94	13	2	PVC	0.020/#3	5-13
MW-5		165.31	15	2	PVC	0.020/#3	5-15
MW-6		163.19	15	2	PVC	0.020/#3	5-15

Notes:

TOC - denotes top-of-casing
ft - denotes feet
amsl - denotes above mean sea level
bgs - denotes below ground surface
--- - denotes no data
pvc - denotes polyvinyl chloride

Table 2a
Historical Soil Analytical Data
TPH and BTEX
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Sample ID	Sample Depth (feet)	Collection Date	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)
Near Surface Samples							
N-1	10*	February 2000	**5.6**	**0.07**	**0.26**	**0.15**	**0.98**
N-2	10*		**11**	**0.068**	**0.26**	**0.13**	**1.1**
S-1	10*		<1.0	<0.005	<0.005	<0.005	**0.012**
S-2	10*		**1.2**	<0.005	<0.005	**0.006**	**0.037**
T-1-2	10*		**71**	**0.22**	**0.47**	**0.49**	**3.7**
Pit-1-11	11	July 2000	**91**	**0.38**	**0.35**	**1.6**	**8.4**
Pit-2-11	11		<1.0	<0.005	<0.005	<0.005	<0.005
Pit-3-11	11		<1.0	<0.005	**0.005**	<0.005	**0.038**
Pit-4-11	11		<1.0	<0.005	<0.005	<0.005	<0.005
Pit-5-11	11		**130**	**0.14**	**0.26**	**1.1**	**8.5**
Pit-6-11	11		**8.2**	**0.077**	**0.13**	**0.08**	**0.76**
Pit-7-11	11		**220**	**0.58**	**1.3**	**1.8**	**24**
Pit-8-11	11		**1,000**	**5.7**	**3.9**	**14**	**25**
Soil Boring							
B-4	5	September 2000	<1.0	<0.10	<0.10	<0.10	<0.10
B-4	10		<1.0	**0.02**	<0.02	<0.02	<0.02
SB-5-4	4	November 2010	<1.0	<0.005	<0.005	<0.005	<0.005
SB-5-8	8		<1.0	<0.005	<0.005	<0.005	<0.005
SB-6-4	4		**2.6**	**0.093**	<0.005	**0.020**	**0.047**
SB-6-10	10		**24**	<0.025	<0.025	**0.17**	**0.50**
SB-7-8	8		<1.0	<0.005	<0.005	<0.005	<0.005
SB-7-10	10		<1.0	<0.005	<0.005	<0.005	<0.005
SB-8-4	4		<1.0	<0.005	<0.005	<0.005	<0.005
SB-8-10	10		<1.0	<0.005	<0.005	<0.005	<0.005
SB-9-4	4		<1.0	<0.005	<0.005	<0.005	<0.005
SB-9-12	12		<1.0	<0.005	<0.005	<0.005	<0.005
SB-10-4	4		<1.0	<0.005	<0.005	<0.005	<0.005
SB-10-8	8		**150**	<0.10	<0.10	**0.70**	**4.9**
SB-10-12	12		<1.0	<0.005	<0.005	<0.005	<0.005
SB-10-20	20		<1.0	<0.005	<0.005	<0.005	<0.005
SB-10-25	25		<1.0	<0.005	<0.005	<0.005	<0.005

Table 2a
Historical Soil Analytical Data
TPH and BTEX
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Sample ID	Sample Depth (feet)	Collection Date	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)
Monitoring Wells							
STMW-1	5	September 2000	**18**	<0.25	<0.25	<0.25	**1.1**
STMW-1	10		**76**	<1.0	<1.0	<1.0	**7.7**
STMW-2	5		<1.0	<0.005	<0.005	<0.005	<0.005
STMW-2	10		<1.0	<0.005	<0.005	<0.005	<0.005
STMW-3	5		**1.3**	<0.005	<0.005	<0.005	<0.005
STMW-3	10		<1.0	<0.005	<0.005	<0.005	<0.005
MW-4-4	4	November 2010	**8.3**	**0.038**	<0.025	**0.038**	**0.43**
MW-4-8	8		**4,300**	**7.2**	**76**	**49**	**440**
MW-4-12	12		<1.0	<0.005	<0.005	<0.005	<0.005
MW-5-4	4		<1.0	<0.005	<0.005	<0.005	<0.005
MW-5-8	8		**60**	<0.050	<0.050	**0.26**	<0.10
MW-5-12	12		<1.0	<0.005	<0.005	<0.005	<0.005
MW-6-4	4		<1.0	<0.005	<0.005	<0.005	<0.005
MW-6-8	8		<1.0	<0.005	<0.005	<0.005	<0.005
MW-6-12	12		<1.0	<0.005	<0.005	<0.005	<0.005

Notes:

TPHg - denotes total petroleum hydrocarbons as gasoline
mg/kg - denotes milligrams per kilogram
< - denotes less than the detection limit
* - denotes approximate depth based on tank diameter and sample notes

Table 2b
Historical Soil Analytical Data
Oxygenates and Lead Scavengers
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Boring ID	Sample Depth (feet)	Collection Date	DIPE (mg/kg)	ETBE (mg/kg)	MTBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)
Near Surface Soil Samples									
N-1	10*	February 2000	---	---	**0.74**	---	---	---	---
N-2	10*		---	---	**3.8**	---	---	---	---
S-1	10*		---	---	**0.18**	---	---	---	---
S-2	10*		---	---	**0.11**	---	---	---	---
T-1-2	10*		---	---	**1.2**	---	---	---	---
Pit-1-11	11	July 2000	---	---	<0.005	---	---	---	---
Pit-2-11	11		---	---	<0.005	---	---	---	---
Pit-3-11	11		---	---	**0.094**	---	---	---	---
Pit-4-11	11		---	---	<0.005	---	---	---	---
Pit-5-11	11		---	---	<0.005	---	---	---	---
Pit-6-11	11		---	---	**0.42**	---	---	---	---
Pit-7-11	11		---	---	<0.005	---	---	---	---
Pit-8-11	11		---	---	**16**	---	---	---	---
Soil Borings									
B-4	5	September 2000	<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
B-4	10		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-5-4	4	November 2010	<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-5-8	8		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-6-4	4		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-6-10	10		<0.025	<0.025	**0.046**	<0.025	<0.25	<0.025	<0.025
SB-7-8	8		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-7-10	10		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-8-4	4		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-8-10	10		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-9-4	4		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-9-12	12		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-10-4	4		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-10-8	8		<0.10	<0.10	<0.10	<0.10	<1.0	<0.10	<0.10
SB-10-12	12		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-10-20	20		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-10-25	25		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005

Table 2b
Historical Soil Analytical Data
Oxygenates and Lead Scavengers
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Boring ID	Sample Depth (feet)	Collection Date	DIPE (mg/kg)	ETBE (mg/kg)	MTBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)
Monitoring Wells									
STMW-1	5	September 2000	<0.25	<0.25	**1.5**	<0.25	<1.0	<0.25	<0.25
STMW-1	10		<1.0	<1.0	**1.6**	<1.0	<4.0	<1.0	<1.0
STMW-2	5		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
STMW-2	10		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
STMW-3	5		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
STMW-3	10		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
MW-4-4	4	November 2010	<0.025	<0.025	**2.1**	<0.025	**1.3**	<0.025	<0.025
MW-4-8	8		<4.0	<4.0	<4.0	<4.0	<40	<4.0	<4.0
MW-4-12	12		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
MW-5-4	4		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
MW-5-8	8		<0.050	<0.050	<0.050	<0.050	<0.50	<0.050	<0.050
MW-5-12	12		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
MW-6-4	4		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
MW-6-8	8		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
MW-6-12	12		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005

Notes:

mg/kg - denotes milligrams per kilogram
--- - denotes not analyzed
< - denotes less than the detection limit
MTBE - denotes methyl tertiary butyl ether
1,2-DCA - denotes 1,2-dichloroethane
DIPE - denotes di-isopropyl ether
ETBE - denotes ethyl tertiary butyl ether
TAME - denotes tertiary amyl ether
TBA - denotes tertiary butyl alcohol
EDB - denotes ethyl dibromide

Table 3a
Grab Groundwater Sample Results
TPH and BTEX
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Sample ID	Date Measured	Sample Depth (ft bgs)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
UST Pit Samples							
P-W-8	July 2000	11	**110**	**2.6**	**0.83**	**0.95**	**1.7**
Soil Boring Samples							
SB-7	November 2010	10	**790**	**6.3**	**2.1**	**5.7**	**19**
SB-9		20	<50	<0.5	<0.5	<0.5	<1.0

Notes:

TPHg - denotes total petroleum hydrocarbons as gasoline
ug/L - denotes micrograms per liter
< - denotes less than the detection limit
* - denotes approximate depth based on tank diameter and sample notes

Table 3b
Grab Groundwater Sample Results
Oxygenates and Lead Scavengers
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Sample ID	Date Measured	Sample Depth (ft bgs)	DIPE (ug/L)	ETBE (ug/L)	MTBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)
UST Pit Samples									
P-W-8	July 2000	11	---	---	**130**	---	---	---	---
Soil Boring Samples									
SB-7	November 2010	10	<0.5	<0.5	**4.0**	<0.5	**14**	<0.5	<0.5
SB-9		20	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5

Notes:

ug/L - denotes micrograms per liter
< - denotes less than the detection limit
DCA - denotes dichloroethane
EDB - denotes ethylene dibromide
MTBE - denotes methyl tertiary butyl ether
* - denotes approximate depth based on tank diameter and sample notes

DIPE - denotes di-isopropyl ether
ETBE - denotes ethyl tertiary butyl ether
TAME - denotes tertiary amyl ether
TBA - denotes tertiary butyl alcohol

Table 4a
Monitoring Well Data
Water Level, TPH, and BTEX
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Well ID (TOC)	Date Measured	Depth to Groundwater (ft bgs)	Groundwater Elevation (ft amsl)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
STMW-1 163.76	10/4/2000	8.34	155.42	60,000	<2,500	<2,500	<2,500	<2,500
	1/4/2001	7.86	155.90	71,000	<2,500	<2,500	<2,500	<5,000
	3/16/2004	5.70	158.06	260	52	64	7.9	27
	7/5/2004	4.82	158.94	2,100	17	240	2.6	12
	12/28/2004	6.82	156.94	310	89	90	11	43
	3/24/2005	5.63	158.13	630	43	140	16	110
	7/20/2005	5.75	158.01	330	12	22	<2.5	9.3
	9/15/2005	7.44	156.32	15,000	<100	<100	<100	<100
	12/12/2005	5.32	158.44	130	4.4	7.5	<1.0	3
	3/16/2005	3.90	159.86	<50	0.9	3.3	<0.5	<0.5
	6/22/2006	7.12	156.64	130	4.4	54	<1.0	7.1
	9/21/2006	7.78	155.98	880	110	32	18	110
	12/18/2006	9.12	154.64	240	7.5	130	1.4	7.6
	3/22/2007	6.82	156.94	190	17	13	2.9	14
	6/29/2007	9.86	153.90	2,700	340	45	52	310
	9/28/2007	6.88	156.88	1,000	85	2.5	11	72
	12/20/2007	7.81	155.95	690	92	<5.0	<5.0	36
	3/27/2008	7.37	156.39	160	36	0.92	<0.50	5.1
	6/6/2008	7.98	155.78	170	44	<5.0	<5.0	<15
	8/14/2008	8.50	155.26	<1,000	24	<10	<10	<20
	12/30/2008	7.85	155.91	<100	2.6	<1.0	<1.0	<2.0
	3/6/2009	7.48	156.28	57	<5.0	<5.0	<5.0	<15
	6/12/2009	7.92	155.84	70	<5.0	<5.0	<5.0	<15
	12/1/2009	8.20	155.56	<50	<5.0	<5.0	<5.0	<15
	9/20/2010	8.44	155.32	<500	<5.0	<5.0	<5.0	<10
	11/30/2010	7.71	156.05	<500	<5.0	<5.0	<5.0	<10

Table 4a
Monitoring Well Data
Water Level, TPH, and BTEX
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Well ID (TOC)	Date Measured	Depth to Groundwater (ft bgs)	Groundwater Elevation (ft amsl)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
STMW-2 164.94	10/4/2000	8.22	156.72	69	<5.0	<5.0	<5.0	<5.0
	1/4/2001	6.70	158.24	110	<5.0	<5.0	<5.0	<5.0
	3/16/2004	6.08	158.86	1,100	<10	<10	<10	<20
	7/5/2004	6.86	158.08	1,800	<10	<10	<10	<20
	12/28/2004	6.22	158.72	1,000	<13	<13	<13	<13
	3/24/2005	5.12	159.82	760	<5.0	<5.0	<5.0	<5.0
	7/20/2005	5.66	159.28	64	<1.0	<1.0	<1.0	<1.0
	9/15/2005	6.14	158.80	53	<1.0	<1.0	<1.0	<1.0
	12/12/2005	6.68	158.26	<50	2.2	<0.5	0.6	<0.5
	3/16/2005	5.54	159.40	<50	<0.5	<0.5	<0.5	<0.5
	6/22/2006	6.02	158.92	<50	<0.5	<0.5	<0.5	<0.5
	9/21/2006	6.94	158.00	<50	<0.5	<0.5	<0.5	<0.5
	12/18/2006	6.46	158.48	<50	<0.5	<0.5	<0.5	<0.5
	3/22/2007	6.16	158.78	<50	<0.5	<0.5	<0.5	<0.5
	6/29/2007	9.06	155.88	<50	<0.5	<0.5	<0.5	<0.5
	9/28/2007	7.63	157.31	<50	<0.5	<0.5	<0.5	<1.0
	12/20/2007	7.43	157.51	<50	<0.5	<0.5	<0.5	<1.0
	3/27/2008	6.16	158.78	<50	<0.50	<0.50	<0.50	<1.5
	6/6/2008	7.09	157.85	<50	<0.50	<0.50	<0.50	<1.5
	8/14/2008	7.85	157.09	<50	<0.5	<0.5	<0.5	<1.0
	12/30/2008	7.52	157.42	<50	<0.5	<0.5	<0.5	<1.0
	3/6/2009	6.90	158.04	<50	<0.50	<0.50	<0.50	<1.5
	6/12/2009	6.65	158.29	<50	<0.50	<0.50	<0.50	<1.5
	12/1/2009	7.43	157.51	<50	<0.50	<0.50	<0.50	<1.5
	9/20/2010	7.58	157.36	<50	<0.50	<0.50	<0.50	<1.0
	11/30/2010	6.94	158.00	<50	<0.50	<0.50	<0.50	<1.0

Table 4a
Monitoring Well Data
Water Level, TPH, and BTEX
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Well ID (TOC)	Date Measured	Depth to Groundwater (ft bgs)	Groundwater Elevation (ft amsl)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
STMW-3 165.48	10/4/2000	8.42	157.06	<50	<5.0	<5.0	<5.0	<5.0
	1/4/2001	6.16	159.32	<50	<5.0	<5.0	<5.0	<5.0
	3/16/2004	7.18	158.30	<50	<0.5	<0.5	<0.5	<1.0
	7/5/2004	6.27	159.21	<25	<0.5	<0.5	<0.5	<1.0
	12/28/2004	5.64	159.84	<25	<0.5	<0.5	<0.5	<0.5
	3/24/2005	5.12	160.36	<25	<0.5	<0.5	<0.5	<0.5
	7/20/2005	5.50	159.98	<50	<0.5	<0.5	<0.5	<0.5
	9/15/2005	5.56	159.92	<50	<0.5	<0.5	<0.5	<0.5
	12/12/2005	6.26	159.22	<50	<0.5	<0.5	<0.5	<0.5
	3/16/2005	5.14	160.34	<50	<0.5	<0.5	<0.5	<0.5
	6/22/2006	5.92	159.56	<50	<0.5	<0.5	<0.5	<0.5
	9/21/2006	6.14	159.34	<50	<0.5	<0.5	<0.5	<0.5
	12/18/2006	5.50	159.98	<50	<0.5	<0.5	<0.5	<0.5
	3/22/2007	5.88	159.60	<50	<0.5	<0.5	<0.5	<0.5
	6/29/2007	8.82	156.66	<50	<0.5	<0.5	<0.5	<0.5
	9/28/2007	8.14	157.34	<50	<0.5	<0.5	<0.5	<1.0
	12/20/2007	6.56	158.92	<50	<0.5	<0.5	<0.5	<1.0
	3/27/2008	6.21	159.27	<50	<0.50	<0.50	<0.50	<1.5
	6/6/2008	6.84	158.64	<50	<0.50	<0.50	<0.50	<1.5
	8/14/2008	7.34	158.14	<50	<0.5	<0.5	<0.5	<1.0
	12/30/2008	6.45	159.03	<50	<0.5	<0.5	<0.5	<1.0
	3/6/2009	5.06	160.42	<50	<0.50	<0.50	<0.50	<1.5
	6/12/2009	6.54	158.94	<50	<0.50	<0.50	<0.50	<1.5
	12/1/2009	6.79	158.69	<50	<0.50	<0.50	<0.50	<1.5
	9/20/2010	7.14	158.34	<50	<0.50	<0.50	<0.50	<1.0
	11/30/2010	6.20	159.28	<50	<0.50	<0.50	<0.50	<1.0

Table 4a
Monitoring Well Data
Water Level, TPH, and BTEX
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Well ID (TOC)	Date Measured	Depth to Groundwater (ft bgs)	Groundwater Elevation (ft amsl)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
MW-4 163.94	11/30/2010	8.18	155.76	**2,700**	**56**	**30**	**46**	**430**
MW-5 165.31	11/30/2010	7.68	157.63	**200**	**1.8**	<0.50	**2.1**	**4.1**
MW-6 163.19	11/30/2010	7.70	155.49	<50	<0.50	<0.50	<0.50	<1.0

Notes:

TPHg - denotes total petroleum hydrocarbons as gasoline
ug/L - denotes micrograms per liter
< - denotes less than the detection limit

Table 4b
Monitoring Well Data
Oxygenates and Lead Scavengers
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Well ID	Date Measured	DIPE (ug/L)	ETBE (ug/L)	MTBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)
STMW-1 97.93	10/4/2000	---	---	69,000	---	<10,000	---	---
	1/4/2001	---	---	89,000	---	<20,000	---	---
	3/16/2004	---	---	39	---	<10	---	---
	7/5/2004	---	---	520	---	<50	---	---
	12/28/2004	---	---	32	---	<20	---	---
	3/24/2005	---	---	20	---	<20	---	---
	7/20/2005	---	---	310	---	<50	---	---
	9/15/2005	---	---	13,000	---	2,500	---	---
	12/12/2005	---	---	170	---	100	---	---
	3/16/2005	---	---	21	---	<10	---	---
	6/22/2006	---	---	70	---	<20	---	---
	9/21/2006	---	---	1,600	---	2,300	---	---
	12/18/2006	---	---	130	---	180	---	---
	3/22/2007	---	---	360	---	170	---	---
	6/29/2007	---	---	3,100	---	2,200	---	---
	9/28/2007	<2.5	<2.5	1,000	<2.5	5,300	<2.5	<2.5
	12/20/2007	<5.0	<5.0	1,200	<5.0	15,000	<5.0	<5.0
	3/27/2008	<1.0	<1.0	590	<1.0	4,900	<1.0	<1.0
	6/6/2008	<10	<10	1,000	<10	5,700	<10	<10
	8/14/2008	<10	<10	450	<10	10,000	<10	<10
	12/30/2008	<1.0	<1.0	84	<1.0	7,700	<1.0	<1.0
	3/6/2009	<10	<10	340	<10	5,400	<10	<10
	6/12/2009	<10	<10	170	<10	5,000	<10	<10
	12/1/2009	<10	<10	42	<10	5,600	<10	<10
	9/20/2010	<5.0	<5.0	51	<5.0	8,100	<5.0	<5.0
	11/30/2010	<5.0	<5.0	**42**	<5.0	**4,100**	<5.0	<5.0

Table 4b
Monitoring Well Data
Oxygenates and Lead Scavengers
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Well ID	Date Measured	DIPE (ug/L)	ETBE (ug/L)	MTBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)
STMW-2 99.04	10/4/2000	---	---	66	---	<20	---	---
	1/4/2001	---	---	120	---	<20	---	---
	3/16/2004	---	---	1,700	---	<200	---	---
	7/5/2004	---	---	1,800	---	<200	---	---
	12/28/2004	---	---	1,400	---	<250	---	---
	3/24/2005	---	---	930	---	180	---	---
	7/20/2005	---	---	43	---	920	---	---
	9/15/2005	---	---	88	---	130	---	---
	12/12/2005	---	---	23	---	22	---	---
	3/16/2005	---	---	34	---	150	---	---
	6/22/2006	---	---	12	---	200	---	---
	9/21/2006	---	---	16	---	41	---	---
	12/18/2006	---	---	15	---	71	---	---
	3/22/2007	---	---	15	---	71	---	---
	6/29/2007	---	---	14	---	<10	---	---
	9/28/2007	<0.5	<0.5	14	<0.5	<5.0	<0.5	<0.5
	12/20/2007	<0.5	<0.5	6.2	<0.5	54	<0.5	<0.5
	3/27/2008	<1.0	<1.0	14	<1.0	<12	<1.0	<1.0
	6/6/2008	<1.0	<1.0	5.6	<1.0	<12	<1.0	<1.0
	8/14/2008	<0.5	<0.5	2.0	<0.5	<5.0	<0.5	<0.5
	12/30/2008	<0.5	<0.5	8.6	<0.5	<5.0	<0.5	<0.5
	3/6/2009	<1.0	<1.0	3.0	<1.0	<12	<1.0	<1.0
	6/12/2009	<1.0	<1.0	3.8	<1.0	<12	<1.0	<1.0
	12/1/2009	<1.0	<1.0	5.4	<1.0	<12	<1.0	<1.0
	9/20/2010	<0.5	<0.5	4.2	<0.5	<5.0	<0.5	<0.5
	11/30/2010	<0.5	<0.5	**2.2**	<0.5	<5.0	<0.5	<0.5

Table 4b
Monitoring Well Data
Oxygenates and Lead Scavengers
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Well ID	Date Measured	DIPE (ug/L)	ETBE (ug/L)	MTBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)
STMW-3	10/4/2000	---	---	<5.0	---	<20	---	---
99.60	1/4/2001	---	---	<5.0	---	<20	---	---
	3/16/2004	---	---	2.8	---	<10	---	---
	7/5/2004	---	---	2.5	---	<10	---	---
	12/28/2004	---	---	2.0	---	<10	---	---
	3/24/2005	---	---	1.4	---	<10	---	---
	7/20/2005	---	---	1.5	---	<10	---	---
	9/15/2005	---	---	1.2	---	<10	---	---
	12/12/2005	---	---	<1.0	---	<10	---	---
	3/16/2005	---	---	<1.0	---	<10	---	---
	6/22/2006	---	---	<1.0	---	<10	---	---
	9/21/2006	---	---	<1.0	---	<10	---	---
	12/18/2006	---	---	<1.0	---	<10	---	---
	3/22/2007	---	---	<1.0	---	<10	---	---
	6/29/2007	---	---	<1.0	---	<10	---	---
	9/28/2007	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
	12/20/2007	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
	3/27/2008	<1.0	<1.0	<1.0	<1.0	<12	<1.0	<1.0
	6/6/2008	<1.0	<1.0	<1.0	<1.0	<12	<1.0	<1.0
	8/14/2008	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
	12/30/2008	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
	3/6/2009	<1.0	<1.0	<1.0	<1.0	<12	<1.0	<1.0
	6/12/2009	<1.0	<1.0	<1.0	<1.0	<12	<1.0	<1.0
	12/1/2009	<1.0	<1.0	<1.0	<1.0	<12	<1.0	<1.0
	9/20/2010	<0.5	<0.5	0.6	<0.5	<5.0	<0.5	<0.5
	11/30/2010	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5

Table 4b
Monitoring Well Data
Oxygenates and Lead Scavengers
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Well ID	Date Measured	DIPE (ug/L)	ETBE (ug/L)	MTBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)
MW-4	11/30/2010	<2.5	<2.5	**510**	<2.5	**510**	<2.5	<2.5
MW-5	11/30/2010	<0.5	<0.5	**62**	<0.5	**26**	<0.5	<0.5
MW-6	11/30/2010	<0.5	<0.5	**75**	<0.5	<5.0	<0.5	<0.5

Notes:

ug/L - denotes micrograms per liter
< - denotes less than the detection limit
DCA - denotes dichloroethane
EDB - denotes ethylene dibromide
MTBE - denotes methyl tertiary butyl ether
DIPE - denotes di-isopropyl ether
ETBE - denotes ethyl tertiary butyl ether
TAME - denotes tertiary amyl ether
TBA - denotes tertiary butyl alcohol

Table 5
Sensitive Receptor Survey Data
Stop N Save Inc.
20570 Stanton Avenue
Castro Valley, California

Figure ID	Well Owner	Well Location Description on DWR Log	Well Type	Total Depth (feet bgs.)	Screen Interval (feet bgs.)	Seal Inteval (feet bgs.)	Installation Date	Distance/ Direction (feet)	Notes:
1-5	Unocal	2445 Castro Valley Boulevard, Castro Valley	Monitoring	25.5	8-25.5	0-6	1990	900/SW	Unable to Locate
6	Clark's Woodworking	2620 Norbridge Avenue, Castro Valley	Monitoring	52.5	None	0-52.5	Unknown	900/S	Unable to Locate
7	Anthony Varni	2691 Castro Valley Boulevard, Castro Valley	Test Hole	205	None	0-205	6/10/05	800/E	Unable to Locate
8-17	Thrifty Oil	2504 Castro Valley Boulevard, Castro Valley	Monitoring	15-20	5-20	0-4	1988-1991	450/S	Unable to Locate
18	Castro Valley Autohaus	20697 Parkway, Castro Valley	Monitoring	11.5	5.5-11.5	0-4.5	1991	600/E	Unable to Locate
19-26	Shell Oil	2724 Castro Valley Boulevard, Castro Valley	Monitoring	15-25	5-25	0-4	1990-1993	1000/E	Unable to Locate
27	Eden Township Hospital	Castro Valley	Cooling System Return	60	None	Unknown	1952	1300/NE	Unable to Locate
28	Eden Township Hospital	Castro Valley	Domestic	250	None	Unknown	1952	1300/NE	Unable to Locate
29	Eden Township Hospital	Castro Valley	Test Well	150	100-110 132-140	Unknown	1953	1300/NE	Unable to Locate

Notes:

DWR - denotes Department of Water Resources

— - denotes no data available

bgs - denotes below ground surface

APPENDICES

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

September 2, 2010

Sean Kapoor
Bonfare Market, Inc.
461 South Milpitas Boulevard, Suite 1
Milpitas, CA 95035

Subject: Site Characterization for Fuel Leak Case No. RO0000179 and GeoTracker Global ID T0600183405, Stop N Save, 20570 Stanton Avenue, Castro Valley, CA 94546

Dear Mr. Kapoor:

Thank you for the recently submitted document entitled, "Site Investigation Work Plan," dated July 26, 2010, which was prepared by Environmental Compliance Group, LLC (ECG) for the subject site. Alameda County Environmental Health (ACEH) staff has reviewed the case file including the above-mentioned work plan for the above-referenced site. ECG proposes to install six borings (SB-5 through SB-10) and three groundwater monitoring wells MW-4 through MW-6) to characterize the extent of soil and groundwater contamination at the site.

ACEH generally concurs with the proposed scope of work and the proposed scope of work may be implemented provided that the modifications requested in the technical comments below are addressed and incorporated during the field implementation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed.

TECHNICAL COMMENTS

1. **Cleanup Goals** – ECG states that "[i]t is prudent to establish cleanup goals for soil and groundwater based upon reaching the residential Environmental Screening Levels (ESLs) established by Region II for sites where shallow soil has been impacted and groundwater is not a current or potential drinking water source." Please note that according to the San Francisco Bay RWQCB's Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin, "the term 'groundwater' includes all subsurface waters, whether or not these waters meet the classic definition of an aquifer or occur within identified groundwater basins." It is also stated in the Basin Plan that "all groundwaters are considered suitable, or potentially suitable, for municipal or domestic water supply (MUN)." Therefore, the groundwater beneath the subject site must be considered beneficial for these uses unless shown to be non-beneficial using criteria presented in the Basin Plan. To that end, in the upcoming report, please revise the cleanup goals for the appropriate groundwater designation or justify that groundwater is not a potential drinking water resource.

2. **Proposed Groundwater Monitoring Well Screened Intervals** – ECG proposes to install monitoring wells to a depth of 20 ft bgs with 15 foot screened interval. Please note that depth to water at the site ranges from approximately 5 to 9 feet bgs, with first encountered groundwater at approximately 12 ft bgs (based on previous site investigation boring logs and well completion forms). Therefore, to collect groundwater samples that are representative of actual site conditions, it is recommended that monitoring wells are installed with shorter screened intervals at intersect the first water bearing zone (i.e. monitoring wells installed to a depth of approximately 15 feet bgs with screened intervals from 5 to 15 ft bgs).

NOTIFICATION OF FIELDWORK ACTIVITIES

Please schedule and complete the fieldwork activities by the date specified below and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **December 1, 2010** – Soil and Water Investigation Report
- **Due within 30 Days of Sampling** – Quarterly Monitoring Report (3rd Quarter 2010)
- **Due within 30 Days of Sampling** – Quarterly Monitoring Report (4th Quarter 2010)
- **Due within 30 Days of Sampling** – Quarterly Monitoring Report (1st Quarter 2011)
- **Due within 30 Days of Sampling** – Quarterly Monitoring Report (2nd Quarter 2011)

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 777-2478 or send me an electronic mail message at paresh.khatri@acgov.org.

Sincerely,

Digitally signed by Paresh Khatri
DN: cn=Paresh Khatri, o=Alameda County Environmental Health, ou=Local Oversight Program, emailAddress=Paresh.Khatri@acgov.org, c=US
Date: 2010.09.02 15:32:24 -07'00'

Paresh C. Khatri
Hazardous Materials Specialist

Enclosure: Responsible Party(ies) Legal Requirements/Obligations
ACEH Electronic Report Upload (ftp) Instructions

cc: Michael S. Sgourakis, Environmental Compliance Group, LLC, 270 Vintage Drive, Turlock, CA 95382
Drew Van Allen, Environmental Compliance Group, LLC, 270 Vintage Drive, Turlock, CA 95382 (*Sent via E-mail to: ecg.ust@gmail.com*)
Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Paresh Khatri, ACEH (*Sent via E-mail to: paresh.khatri@acgov.org*)
GeoTracker
File

Boring Number: SB-5

Project Number: SNS.18281

Environmental Compliance Group, LLC

Stop 'N' Save
20570 Stanton Avenue
Castro Valley, California

Date Drilled: 11/11/10
Drilling Company: RSI Drilling
Drilled By: Artemio Villagus
Drilling Method: Direct Push
Sampling Method: Continuous Sampler

Depth Drilled: 10 Feet
Depth To Groundwater
▽ Initial:
▼ Static:

Sample Number	Blow Count	PID Reading In ppm	Sample Interval	Soil Description	USCS Classification	Graphic Representation	Depth In Feet	Boring Construction	Comments
		0		GRAVELLY SAND, moderate yellowish brown, medium grained sand and gravel, subangular sand and gravel, loose, damp, no odor.	SW				3-inch Borehole Grouted To Surface Grade
		0		SANDY SILT, moderate yellowish brown, medium grained sand, subangular sand, dense, damp, no odor.	ML				Native Soil
				Total depth = 10 feet.					

Boring Number: SB-6

Project Number: SNS.18281

Environmental Compliance Group, LLC

Stop 'N' Save
20570 Stanton Avenue
Castro Valley, California

Date Drilled: 11/11/10
Drilling Company: RSI Drilling
Drilled By: Artemio Villagus
Drilling Method: Direct Push
Sampling Method: Continuous Sampler

Depth Drilled: 10 Feet
Depth To Groundwater
▽ Initial:
▼ Static:

Sample Number	Blow Count	PID Reading In ppm	Sample Interval	Soil Description	USCS Classification	Graphic Representation	Depth In Feet	Boring Construction	Comments
		0.5	1–4	SANDY CLAY with GRAVEL, dark gray, fine to medium grained sand, medium grained gravel, angular sand and gravel, slight plasticity, moderately dense, moderately stiff, damp, slight odor.	CL		1–4		3–inch Borehole Grouted To Surface Grade
		5.0	5–10	SANDY SILT with trace CLAY, moderately yellowish brown, fine grained sand, angular sand, slight plasticity, moderately dense, soft, damp, slight odor.	ML		5–10		Native Soil
		1,150	10	Strong odor.			10		
			10	Total depth = 10 feet.					

Boring Number: SB-7

Project Number: SNS.18281

Environmental Compliance Group, LLC

Stop 'N' Save
20570 Stanton Avenue
Castro Valley, California

Date Drilled: 11/11/10
Drilling Company: RSI Drilling
Drilled By: Artemio Villagus
Drilling Method: Direct Push
Sampling Method: Continuous Sampler

Depth Drilled: 10 Feet
Depth To Groundwater
▽ Initial:
▼ Static:

Sample Number	Blow Count	PID Reading In ppm	Sample Interval	Soil Description	USCS Classification	Graphic Representation	Depth In Feet	Boring Construction	Comments
		0		GRAVEL, little recovery.	GW		1–4		
				SILTY SANDY CLAY with GRAVEL, moderate yellowish brown, medium grained sand and gravel, subangular sand, angular gravel, slight plasticity, dense, stiff, damp, moderate odor.	CL		4–7		3-inch Borehole Grouted To Surface Grade; Native Soil
		4.7		SILTY SAND, moderate yellowish brown, moderately graded, fine grained sand, angular sand, loose, dry, slight odor.	SW		7–10		
		11		Total depth = 10 feet.			10		

Boring Number: SB-8

Project Number: SNS.18281

Environmental Compliance Group, LLC

Stop 'N' Save
20570 Stanton Avenue
Castro Valley, California

Date Drilled: 11/11/10
Drilling Company: RSI Drilling
Drilled By: Artemio Villagus
Drilling Method: Direct Push
Sampling Method: Continuous Sampler

Depth Drilled: 10 Feet
Depth To Groundwater
▽ Initial:
▼ Static:

Sample Number	Blow Count	PID Reading In ppm	Sample Interval	Soil Description	USCS Classification	Graphic Representation	Depth In Feet	Boring Construction	Comments
		0		SILTY SANDY CLAY, dark gray, fine grained sand, angular sand, slight plasticity, soft, damp, slight odor.	CL				3-inch Borehole Grouted To Surface Grade
		0		SANDY SILT, moderate yellowish brown, fine grained sand, angular sand, dense, damp, no odor.	ML				Native Soil
		0		Total depth = 10 feet.					

Boring Number: SB-9

Project Number: SNS.18281

Environmental Compliance Group, LLC

Stop 'N' Save
20570 Stanton Avenue
Castro Valley, California

Date Drilled: 11/11/10
Drilling Company: RSI Drilling
Drilled By: Artemio Villagus
Drilling Method: Direct Push
Sampling Method: Continuous Sampler

Depth Drilled: 20 Feet
Depth To Groundwater
▽ Initial:
▼ Static:

Sample Number	Blow Count	PID Reading In ppm	Sample Interval	Soil Description	USCS Classification	Graphic Representation	Depth In Feet	Boring Construction	Comments
		2.5		SILTY CLAY, dark gray, organic odor, low plasticity, moderately stiff, damp, slight odor.	CL				
				SANDY GRAVELLY CLAY, light gray, well graded, subrounded sand, coarse grained gravel, very angular gravel, slight plasticity, soft, damp, no odor.					Native Soil
				SANDY SILT, moderate yellowish brown, well graded, fine grained sand, angular sand, moderately dense, dry, no odor.	ML				3-inch Borehole Grouted To Surface Grade
				SILT with GRAVEL and SAND, light gray, poorly graded, fine grained sand, medium grained gravel, angular sand and gravel, dense, damp, no odor.					
				Total depth = 20 feet.					

Boring Number: SB-10

Project Number: SNS.18281

Environmental Compliance Group, LLC

Stop 'N' Save
20570 Stanton Avenue
Castro Valley, California

Date Drilled: 11/11/10
Drilling Company: RSI Drilling
Drilled By: Artemio Villagus
Drilling Method: Direct Push
Sampling Method: Continuous

Depth Drilled: 25 Feet
Depth To Groundwater
▽ Initial:
▼ Static:

Sample Number	Blow Count	PID Reading In ppm	Sample Interval	Soil Description	USCS Classification	Graphic Representation	Depth In Feet	Boring Construction	Comments
		0	1–7	SILTY SAND with GRAVEL, moderate yellowish brown, well graded, medium grained sand, angular sand and gravel, moderately dense, damp, no odor.	SW		1–7		
		785	8	Moderate to strong odor.			8		Native Soil
			8–11	SANDY SILT, moderately yellowish brown, well graded, fine grained sand, angular sand, moderately dense, damp, slight odor.	ML		8–11		
		52	12	SANDY CLAYEY SILT, moderate yellowish brown with gray mottling, well graded, fine grained sand, angular sand, slight plasticity, dense, soft, dry, slight odor.			12		
		4.0	13–16				13–16		3-inch Borehole Grouted To Surface Grade
		0	17	SILT with GRAVEL and SAND, light gray, fine grained sand and gravel, angular sand and gravel.			17		
		0	18–20				18–20		
		0	21–24				21–24		
		0	25	SILT, light gray.			25		
			25	Total depth = 25 feet.					
			26–30				26–30		

Well Number: MW-4

Project Number: SNS.18281

Environmental Compliance Group, LLC

Stop 'N' Save
20570 Stanton Avenue
Castro Valley, California

Date Drilled: 11/11/10
Drilling Company: RSI Drilling
Drilled By: Artemio Villagus
Drilling Method: Hollow-Stem Auger
Sampling Method: Continuous Sampler

Depth Drilled: 15 Feet
Depth To Groundwater
▽ Initial:
▼ Static:

Sample Number	Blow Count	PID Reading In ppm	Sample Interval	Soil Description	USCS Classification	Graphic Representation	Depth In Feet	Well Construction	Comments
				SILTY SANDY CLAY, dark gray, organic odor, fine grained sand, angular sand, low plasticity, moderately dense, soft, damp, slight odor.	CL				Grout
		1.1		SANDY SILT, moderate yellowish brown, fine grained sand, angular sand, dense, dry, moderate odor.	ML				Bentonite Seal
		891		GRAVELLY SANDY SILT, slight odor.					2-Inch Sch 40 PVC Flush Thread Casing
				Refusal.					#3 Monterey Sand
		7.4		Cemented SILT with SAND and GRAVEL, probed to 15 feet, fine grained sand, very fine grained gravel, very dense, dry, no odor.					2-Inch Sch 40 PVC 0.020-Inch Slotted Screen
		0		Total depth = 15 feet.					

Well Number: MW-5

Project Number: SNS.18281

Environmental Compliance Group, LLC

Stop 'N' Save
20570 Stanton Avenue
Castro Valley, California

Date Drilled: 11/11/10
Drilling Company: RSI Drilling
Drilled By: Artemio Villagus
Drilling Method: Hollow-Stem Auger
Sampling Method: Continuous Sampler

Depth Drilled: 15 Feet
Depth To Groundwater
⧖ Initial:
⧗ Static:

Sample Number	Blow Count	PID Reading In ppm	Sample Interval	Soil Description	USCS Classification	Graphic Representation	Depth In Feet	Well Construction	Comments
		0		SILTY SANDY CLAY, dark gray, well graded, fine grained sand, angular sand, slight plasticity, moderately stiff, damp, no odor.	CL		1-4	Grout; Bentonite Seal	
		0		SANDY SILT with GRAVEL, moderate yellowish brown, well graded, fine grained sand, medium grained gravel, subangular sand, angular gravel, moderately dense, damp, no odor.	ML		4-12	2-Inch Sch 40 PVC Flush Thread Casing; #3 Monterey Sand	
		0		Moderate odor. No recovery – cemented.			12-15	2-Inch Sch 40 PVC 0.020-Inch Slotted Screen	
				Total depth = 15 feet.			15-30		

Well Number: MW-6

Project Number: SNS.18281

Environmental Compliance Group, LLC

Stop 'N' Save
20570 Stanton Avenue
Castro Valley, California

Date Drilled: 11/11/10
Drilling Company: RSI Drilling
Drilled By: Artemio Villagus
Drilling Method: Hollow-Stem Auger
Sampling Method: Continuous Sampler

Depth Drilled: 15 Feet
Depth To Groundwater
▽ Initial:
▼ Static:

Sample Number	Blow Count	PID Reading in ppm	Sample Interval	Soil Description	USCS Classification	Graphic Representation	Depth in Feet	Well Construction	Comments
		0		SILTY SANDY CLAY, dark gray, well graded, fine grained sand, angular sand, damp, no odor.	CL				Grout
				SILTY SAND, moderately graded, fine grained sand, angular sand, moderately dense, dry, slight odor.	SW				Bentonite Seal 2-Inch Sch 40 PVC Flush Thread Casing
		11.4		SANDY SILT, moderate yellowish brown.	ML				#3 Monterey Sand
				Cemented – no recovery.					2-Inch Sch 40 PVC 0.020-Inch Slotted Screen
				Total depth = 15 feet.					

ENVIRONMENTAL COMPLIANCE GROUP, LLC
STANDARD OPERATING AND SAFETY AND LOSS CONTROL PROCEDURES

1.0 SOIL BORING/DRILLING SAMPLE COLLECTION AND CLASSIFICATION PROCEDURES

ECG will prepare a site-specific Health and Safety Plan as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR.1910.120). The document will be reviewed and signed by all ECG personnel and subcontractors prior to performing work at the site.

Prior to conducting and subsurface work at the site, Underground Services Alert (USA) will be contacted to delineate subsurface utilities near the site with surface markings. In addition, the first five feet of every location will be hand cleared to a diameter larger than the diameter of the auger or probe as a further precaution against damaging underground utilities. Sites that are currently operated as gas stations will be cleared with a private utility locator prior to drilling activities.

Soil samples to be submitted for chemical analyses are collected into brass or stainless steel tubes. The tubes are placed in an 18-inch long split-barrel sampler. The split-barrel sampler is driven its entire length hydraulically or by 140-pound drop hammer. The split-barrel sampler is removed from the borehole and the tubes are removed. When the tubes are removed from the split-barrel sampler, the tubes are trimmed and capped with Teflon sheets and plastic caps or the soil is removed from the tubes and placed in other appropriate sample containers. The samples are sealed, labeled, and placed in ice under chain-of-custody to be delivered to the analytical laboratory. All samples will be kept refrigerated until their delivery to the analytical laboratory.

One soil sample collected from each split-barrel sampler is field screened with a photoionization detector (PID), flame ionization detector (FID), or other equivalent field screening meter. The soil sample is sealed in a plastic bag or other appropriate container to allow volatilization of volatile organic compounds (VOCs). The field meter is used to measure the VOC concentration in the container's headspace and is recorded on the boring logs at the appropriate depth interval.

Other soil samples collected from each split-barrel sampler are inspected and documented to identify the soil stratigraphy beneath the site and classify the soil types according to the United Soil Classification System. The soil types are recorded on boring logs with the appropriate depth interval and any pertinent field observations. Drilling and sampling equipment are steam cleaned or washed in solution and rinsed in deionized water prior to use, between sample collections and boreholes and after use.

2.0 SOIL EXCAVATION SAMPLE COLLECTION AND CLASSIFICATION PROCEDURES

Soil samples to be submitted for chemical analyses are collected into brass or stainless steel tubes or other appropriate containers. The samples are sealed, labeled, and placed in ice under chain-of-custody (COC) to be delivered to the analytical laboratory. All samples will be kept refrigerated until their delivery to the analytical laboratory.

Select soil samples are placed into a sealed plastic bag or other appropriate container and field screened using a PID, FID, or equivalent meter. Other soil samples collected are inspected and documented to identify the soil stratigraphy beneath the site and classify the soil types according to the United Soil Classification System. The soil types are recorded field notes with the appropriate depth interval and any pertinent field observations. Sampling equipment are steam cleaned or washed in solution and rinsed in deionized water prior to use, between sample collections, and after use. Soil cuttings and rinseate water are temporarily stored onsite pending laboratory analytical results and proper transport and disposal.

3.0 SAMPLE IDENTIFICATION AND COC PROCEDURES

Sample containers are labeled with job number, job name, sample collection time and date, sample collection point, and analyses requested. Sampling method, sampler's name, and any pertinent field observations are recorded on boring logs or excavation field notes. COC forms track the possession of the sample from the time of its collection until the time of its delivery to the analytical laboratory. During sample transfers, the person with custody of the samples will relinquish them to the next person by signing the COC and documenting the time and date. The analytical laboratory Quality Control/Quality Assurance (QA/QC) staff will document the receipt of the samples and confirm the analyses requested on the COC matches the sample containers and preservative used, if any. The analytical laboratory will assign unique log numbers for identification during the analyses and reporting. The log numbers will be added to the COC form and maintained in a log book maintained by the analytical laboratory.

4.0 ANALYTICAL LABORATORY QA/QC PROCEDURES

The analytical laboratory analyzes spikes, replicates, blanks, spiked blanks, and certified reference materials to verify analytical methods and results. The analytical laboratory QA/QC also includes:

Routine instrument calibration,
Complying with state and federal laboratory accreditation and certification programs,
Participation in U.S. EPA performance evaluation studies,
Standard operating procedures, and
Multiple review of raw data and client reports

5.0 HOLLOW STEM AUGER WELL INSTALLATION

Boreholes for wells are often drilled with a truck-mounted hollow stem auger drill rig. The borehole diameter is at least 4 inches wider than the outside diameter of the well casing. Soil samples are collected and screened as described in **Section 1.0** and decontamination procedures are also the same as described in **Section 1.0**.

Wells are cased with both blank and factory-perforated Schedule 40 PVC. The factory perforations are typically 0.020 inches wide by 1.5 inch long slots, with 42 slots per foot. A PVC cap is typically installed at the bottom of the casing with stainless steel screws. No solvents or cements are used in the construction of the wells. Well stabilizers or centering devices may be installed around the casing to ensure the filter material and grout in the annulus are evenly distributed. The casing is purchased pre-cleaned or steam cleaned and washed prior to installation in the borehole.

The casing is set inside the augers and sand, gravel, or other filter material is poured into the annulus to fill the borehole from the bottom to approximately 1-2 feet above the perforations. A two foot thick bentonite plug is placed above the filter material to prevent the grout from filling the filter pack. Neat cement or sand-cement grout is poured into the annulus from the top of the bentonite plug to the surface. For wells located in parking lots or driveways, or roads, a traffic rated well box is installed around the well. For wells located in landscaped areas or fields, a stovepipe well protection device is installed around the well. Soil cuttings and rinseate water are temporarily stored onsite pending laboratory analytical results and proper transport and disposal.

6.0 MUD AND AIR ROTARY WELL INSTALLATION

Boreholes for wells can also be drilled with a truck-mounted air rotary or mud rotary drill rig. Air or mud can be used as a drill fluid to fill the borehole and prevent the borehole from caving in and remove drill cuttings. Mud or air can be chosen depending on the subsurface conditions. Soil samples are collected and screened as described in **Section 1.0** and decontamination procedures are also the same as described in **Section 1.0**.

Wells are cased with both blank and factory-perforated Schedule 40 PVC. The factory perforations are typically 0.020 inches wide by 1.5 inch long slots, with 42 slots per foot. A PVC cap is typically installed at the bottom of the casing with stainless steel screws. No solvents or cements are used in the construction of the wells. Well stabilizers or centering devices may be installed around the casing to ensure the filter material and grout in the annulus are evenly distributed. The casing is purchased pre-cleaned or steam cleaned and washed prior to installation in the borehole. Soil cuttings and drilling fluids are temporarily stored onsite pending laboratory analytical results and proper transport and disposal.

The casing is set inside the augers and sand, gravel, or other filter material is poured into the annulus to fill the borehole from the bottom to approximately 1-2 feet above the perforations. A two foot thick bentonite plug is placed above the filter material to prevent the grout from filling the filter pack. Neat cement or sand-cement grout is poured into the annulus from the top of the bentonite plug to the surface. For wells located in parking lots or driveways, or roads, a traffic rated well box is installed around the well. For wells located in landscaped areas or fields, a stovepipe well protection device is installed around the well. Soil cuttings and rinseate water are temporarily stored onsite pending laboratory analytical results and proper transport and disposal.

7.0 WELL DEVELOPMENT

After well installation, the wells are developed to remove residual drilling materials from the annulus and to improve well production by fine materials from the filter pack. Possible well development methods include pumping, surging, bailing, jetting, flushing, and air lifting. Development water is temporarily stored onsite pending laboratory analytical results and proper transport and disposal. Development equipment are steam cleaned or washed in solution and rinsed in deionized water prior to use, between sample collections and after use. After well development the wells are typically allowed to stabilize for at least 24 hours prior to purging and sampling.

8.0 LIQUID LEVEL MEASUREMENTS

Liquid level measurements are made with a water level meter and/or interface probe and disposable bailers. The probe tip attached to a measuring tape is lowered into the well and into the groundwater when a beeping tone indicates the probe is in the groundwater. The probe and measuring tape (graduated to hundredths of a foot) are slowly raised until the beeping stops and the depth to water measurement is recorded. If the meter makes a steady tone, this indicates the presence of floating liquid hydrocarbons (FLH) and the probe and measuring tape are raised until the steady tone stops and the depth to the FLH is measured. Once depth to water and depth to FLH (if present) has been recorded, the probe and measuring tape are lowered to the bottom of the well where the total depth of the well is measured. The depth to water, depth to FLH, and depth to bottom are measured again to confirm the results.

If FLH is encountered in the well, a disposable bailer is lowered into the well and brought back to the surface to confirm the thickness/presence of FLH. To minimize potential for cross contamination between wells, all measurements are done from cleanest to dirtiest well. Prior to beginning liquid level measurements, in between measurements in all wells, and at the completion of liquid level measurements, the water level probe and measuring tape is cleaned with solution (Alconox, Simple Green, or equivalent) and rinsed with deionized water.

9.0 WELL PURGING AND SAMPLING

Each well is typically purged of at least three well casing volumes of groundwater prior to collecting a groundwater sample. Purging can continue beyond three well casing volumes if field parameters including pH, temperature, electrical conductivity are not stabilizing during the purging process. If the well is purged dry before the three well casing volumes has been purged, the well is typically allowed to recharge to 80 percent of its initial water level before a groundwater sample is collected.

Purging equipment can include submersible pumps, PVC purging bailers, disposable bailers, air lift pumps, or pneumatic pumps. Prior to beginning well purging, in between each well purging, and at the completion of purging activities, all non-dedicated purging equipment is cleaned with solution (Alconox, Simple Green, or equivalent) and rinsed with deionized water.

Once the well has been purged, it will be sampled with a disposable bailer, PVC bailer, stainless steel bailer, or through a low flow groundwater pump. The groundwater sample is transferred from the bottom of the bailer to reduce volatilization to the appropriate sample container. The sample containers are specified by the analytical laboratory depending on the analyses requested. Sample containers typically include volatile organic compound (VOA) vials with septa of Teflon like materials. The groundwater sample is collected into the VOAs to minimize air bubbles and once the cap has been placed on the VOA, the VOA is tipped upside down to see if air bubbles are present in the VOA. Typically a duplicate VOA is collected from each well to be analyzed by the analytical laboratory, if warranted, to verify results.

Sample containers are labeled as described in **Section 3.0** and placed immediately in an ice chest and kept refrigerated until its delivery to the analytical laboratory. A trip blank may also be prepared by the analytical laboratory to travel with the ice chest during transport to the laboratory. Field blanks from equipment that has been decontaminated may be collected in between use in different wells to verify the decontamination procedure is effective. To minimize potential for cross contamination between wells, all wells are purged and sampled from cleanest to dirtiest well.

10.0 TEDLAR BAG SOIL VAPOR SAMPLING

Sampling equipment to collect Tedlar bag soil vapor samples includes an air pump, a Tedlar bag which can range in size from 1 to 10 liters, and 3/16-inch diameter polyethylene tubing. The air pump should be equipped with 3/16-inch hose barbs for the polyethylene tubing to attach to. The Tedlar bag must be equipped with a valve for filling and sealing the bag.

When soil vapor samples are collected from remediation equipment, the sample collection port on the remediation equipment is typically fitted with a 3/16-inch hose barb. Prior to collecting soil vapor samples from remediation equipment, air flow, temperature, and pressure or vacuum of the sampling point/remediation equipment are recorded. One end of the polyethylene tubing is connected to the sample collection port and one end is connected to the influent of the air pump, creating an air tight seal. The air pump is turned on and soil vapor from the sample collection port is pumped through the air pump for at least one minute. The air pump is turned off and one end of another piece of polyethylene tubing is connected to the effluent of the air pump and one end is connected to the valve on the Tedlar bag. The valve is opened and the air pump is turned on filling the Tedlar bag with the soil vapor sample until the bag has reached 75% capacity, when the valve on the Tedlar bag is closed and the air pump is turned off.

Tedlar bags are labeled as described in **Section 3.0** and placed immediately in an empty ice chest and kept dry and unrefrigerated until its delivery to the analytical laboratory. After each soil vapor sample collection, the air pump is turned on for five minutes to allow ambient air to clear the air pump and polyethylene tubing.

11.0 SUMMA CANISTER SOIL VAPOR SAMPLING

Sampling equipment to collect Summa canister soil vapor samples includes a sterilized Summa stainless steel canister under vacuum, ¼-inch diameter polyethylene tubing, and a laboratory calibrated flow meter, if required.

When soil vapor samples are collected from remediation equipment, the sample collection port on the remediation equipment is typically fitted with brass connection with silicone septa that has been threaded into a tapped hole on the piping network. Prior to collecting soil vapor samples from remediation equipment, air flow, temperature, and pressure or vacuum of the sampling point/remediation equipment are recorded. One end of the polyethylene tubing is connected to the brass sample collection port and one end is connected to the canister valve or flow meter, creating an air tight seal. Prior to collecting the soil vapor sample, the valve on the Summa canister is opened to verify the Summa canister has the required vacuum which is recorded. The sample valve or flow meter is opened and the soil vapor sample is collected into the Summa canister and the sample valve is closed and the final vacuum reading (typically greater than 5 inches per square inch) on the Summa canister is recorded.

Summa canisters are labeled as described in **Section 3.0** and placed immediately in an empty ice chest and kept dry and unrefrigerated until its delivery to the analytical laboratory.

12.0 SYRINGE SOIL VAPOR SAMPLING

Sampling equipment to collect syringe soil vapor samples includes a sterilized, 100 cubic centimeter, gas tight syringe and silicone septa.

When soil vapor samples are collected from remediation equipment, the sample collection port on the remediation equipment is typically fitted with brass connection with silicone septa that has been threaded into a tapped hole on the piping network. Prior to collecting soil vapor samples from remediation equipment, air flow, temperature, and pressure or vacuum of the sampling point/remediation equipment are recorded. The syringe is inserted into the silicone septa and the plunger is purged or pumped at least three times. The sample is collected the fourth time the syringe plunger is extracted and the syringe is removed from the sample collection port and the needle on the syringe is capped with a rubber stopper.

Syringes are labeled as described in **Section 3.0** and placed immediately in an empty ice chest and kept dry and unrefrigerated until its delivery to the analytical laboratory.

13.0 TEDLAR BAG SOIL VAPOR SURVEY, TEMPORARY SAMPLING POINTS

Sampling equipment to collect Tedlar bag soil vapor survey samples includes an air pump, a Tedlar bag which can range in size from 1 to 10 liters, 3/16-inch diameter polyethylene tubing, and possibly a soil vapor probe. The air pump should be equipped with 3/16-inch hose barbs for the polyethylene tubing to attach to. The Tedlar bag must be equipped with a valve for filling and sealing the bag.

A temporary borehole is advanced using either a slam bar or a direct push drill rig. In the case of the slam bar, once the borehole has been created, a temporary soil vapor probe is inserted into the borehole and advanced with a slide hammer or other physical force two additional feet. A bentonite seal is then placed in the borehole above the soil vapor probe to create an air tight seal and prevent ambient air from entering the sample collection space. In the case of the direct push drill rig, the sampling rod is advanced to the desired depth with a 6-inch retractable vapor screen at the tip. The sample screen on the 6-inch vapor screen is removed and a bentonite seal is then placed in the borehole above the soil vapor probe to create an air tight seal and prevent ambient air from entering the sample collection space.

Once the bentonite seal has set, at least one hour, the soil vapor survey samples are collected into Tedlar bags as described in **Section 10.0.** Tedlar bags are labeled as described in **Section 3.0** and placed immediately in an empty ice chest and kept dry and unrefrigerated until its delivery to the analytical laboratory. After each soil vapor sample collection, the air pump is turned on for five minutes to allow ambient air to clear the air pump and polyethylene tubing.

13.0 TEDLAR BAG SOIL VAPOR SURVEY, TEMPORARY AND REPEATABLE SAMPLING POINTS

Sampling equipment to collect Tedlar bag soil vapor survey samples includes an air pump, a Tedlar bag which can range in size from 1 to 10 liters, 3/16-inch diameter polyethylene tubing, and possibly a soil vapor probe. The air pump should be equipped with 3/16-inch hose barbs for the polyethylene tubing to attach to. The Tedlar bag must be equipped with a valve for filling and sealing the bag.

13.1 TEMPORARY SAMPLING POINTS

A temporary borehole is advanced using either a slam bar or a direct push drill rig. In the case of the slam bar, once the borehole has been created, a temporary soil vapor probe is inserted into the borehole and advanced with a slide hammer or other physical force two additional feet. A bentonite seal is then placed in the borehole above the soil vapor probe to create an air tight seal and prevent ambient air from entering the sample collection space. In the case of the direct push drill rig, the sampling rod is advanced to the desired depth with a 6-inch retractable vapor screen at the tip. The sample screen on the 6-inch vapor screen is removed and a bentonite seal is then placed in the borehole above the soil vapor probe to create an air tight seal and prevent ambient air from entering the sample collection space.

Once the bentonite seal has set, at least one hour, the soil vapor survey samples are collected into Tedlar bags as described in **Section 10.0.** Tedlar bags are labeled as described in **Section 3.0** and placed immediately in an empty ice chest and kept dry and unrefrigerated until its delivery to the analytical laboratory. After each soil vapor sample collection, the air pump is turned on for five minutes to allow ambient air to clear the air pump and polyethylene tubing.

13.2 REPEATABLE SAMPLING POINTS

A borehole is advanced using either a hand auger or a drill rig. A 6-inch slotted probe with caps on both ends is placed in the borehole. A Swagelok fitting is attached to one end cap and 3/16-inch diameter Nylon tubing is attached to the Swagelok fitting. A one foot sand pack is placed around the probe and the remainder of the borehole is sealed with a layer of dry bentonite powder, followed by a layer of bentonite chips, and an additional layer of dry bentonite powder. A well box is placed on the surface of the repeatable sampling point and the excess Nylon tubing is placed inside the well box.

Soil vapor survey samples will be collected at least one week after probe installation. In addition, soil vapor survey samples will only be collected after five consecutive precipitation free days and after any onsite irrigation has been suspended.

The soil vapor survey samples are collected into Tedlar bags as described in **Section 10.0** or Summa canisters as described in **Section 11.0.** Tedlar bags or Summa canisters are labeled as described in **Section 3.0** and placed immediately in an empty ice chest and kept dry and unrefrigerated until its delivery to the analytical laboratory. After each soil vapor sample collection, the air pump is turned on for five minutes to allow ambient air to clear the air pump and polyethylene tubing.

argon laboratories

29 November 2010

Drew Van Allen
Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

RE: Stop N Save Inc. Project Data

Enclosed are the results for sample(s) received on 11/16/10 15:40 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto
Lab Manager

Argon Analytical Services, Inc.
CHAIN OF CUSTODY

Project Information:		Report To:		Samples Submitted To:	
Project No:	SNS.18281	**Consultant:**	Environmental Compliance Group, LLC	**Laboratory:**	Argon Labs
Project Title:	Stop N Save Inc.	**Address:**	270 Vintage Drive	**Address:**	2905 Railroad Avenue
Location:	20570 Stanton Avenue		Turlock, CA 95382		Ceres, CA 95307
	Castro Valley, CA	**Contact:**	Drew Van Allen	**Contact:**	
Sampler's Name:		**Phone:**	209.664.1035	**Phone:**	(209) 581-9280
(print)		**Fax:**	209.664.1040	**Fax:**	(209) 581-9282
Sampler's Signature:		**Bill To:**		**Date Results Required:**	
		Client:	Environmental Compliance Group, LLC	**Date Report Required:**	
		Address:	270 Vintage Drive Turlock, CA 95382		

TURN AROUND TIME

RUSH	24 Hour	48 Hour	Standard (5 days)	Special (10-14 days)
☐	☐	☐	☐	☒

ANALYSIS

Sample ID.	Date	Time	# Containers	Matrix	TPHg, BTEX, 5 oxygenates, 1,2-DCA, and EDB by EPA Method 8260B										EDF Reports	COMMENTS
																Preservative
SB-9-4	11/11/2010	0800	1	soil	X										X	
SB-9-12	11/11/2010	0810	1	soil	X										X	
SB-9-16	11/11/2010	0820	1	soil	X										X	
SB-9-20	11/11/2010	0830	1	soil	X										X	
SB-10-4	11/11/2010	0920	1	soil	X										X	
SB-10-8	11/11/2010	0925	1	soil	X										X	
SB-10-12	11/11/2010	0930	1	soil	X										X	
SB-10-20	11/11/2010	0950	1	soil	X										X	
SB-10-25	11/11/2010	0955	1	soil	X										X	
MW-4-4	11/11/2010	1000	1	soil	X										X	
MW-4-8	11/11/2010	1005	1	soil	X										X	
MW-4-12	11/11/2010	1010	1	soil	X										X	

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	SPECIAL INSTRUCTIONS:
Drew Van Allen	11/11/10	1540	Sherry Hoffman	11/10/10	5:40	Global ID# T0600183405
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

Argon Analytical Services, Inc.
CHAIN OF CUSTODY

Project Information:		Report To:		Samples Submitted To:	
Project No:	SNS.18281	**Consultant:**	Environmental Compliance Group, LLC	**Laboratory:**	Argon Labs
Project Title:	Stop N Save Inc.	**Address:**	270 Vintage Drive	**Address:**	2905 Railroad Avenue
Location:	20570 Stanton Avenue		Turlock, CA 95382		Ceres, CA 95307
	Castro Valley, CA	**Contact:**	Drew Van Allen	**Contact:**	
Sampler's Name:		**Phone:**	209.664.1035	**Phone:**	(209) 581-9280
(print)		**Fax:**	209.664.1040	**Fax:**	(209) 581-9282
Sampler's Signature:		**Bill To:**		**Date Results Required:**	
		Client:	Environmental Compliance Group, LLC	**Date Report Required:**	
		Address:	270 Vintage Drive Turlock, CA 95382		

TURN AROUND TIME

RUSH	24 Hour	48 Hour	Standard (5 days)	Special (10-14 days)
☐	☐	☐	☐	☒

Sample ID.	Date	Time	# Containers	Matrix	ANALYSIS: TPHg, BTEX, 5 oxygenates, 1,2-DCA, and EDB by EPA Method 8260B										EDF Reports	COMMENTS: Preservative
SB-8-4	11/11/2010	1025	1	soil	X										X	
SB-8-10	11/11/2010	1035	1	soil	X										X	
MW-5-4	11/11/2010	1043	1	soil	X										X	
MW-5-8	11/11/2010	1050	1	soil	X										X	
MW-5-12	11/11/2010	1055	1	soil	X										X	
SB-7-8	11/11/2010	1115	1	soil	X										X	
SB-7-10	11/11/2010	1120	1	soil	X										X	
SB-6-4	11/11/2010	1210	1	soil	X										X	
SB-6-10	11/11/2010	1215	1	soil	X										X	
SB-5-4	11/11/2010	1230	1	soil	X										X	
SB-5-8	11/11/2010	1235	1	soil	X										X	

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	SPECIAL INSTRUCTIONS:
Drew Van Allen	11/16/10	1540	Sharon Hoffman	11/16/10	15:40	Global ID# T0600183405
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

Argon Analytical Services, Inc.

CHAIN OF CUSTODY

Project Information:		Report To:		Samples Submitted To:	
Project No:	SNS.18281	**Consultant:**	Environmental Compliance Group, LLC	**Laboratory:**	Argon Labs
Project Title:	Stop N Save Inc.	**Address:**	270 Vintage Drive	**Address:**	2905 Railroad Avenue
Location:	20570 Stanton Avenue		Turlock, CA 95382		Ceres, CA 95307
	Castro Valley, CA	**Contact:**	Drew Van Allen	**Contact:**	
Sampler's Name:		**Phone:**	209.664.1035	**Phone:**	(209) 581-9280
(print)		**Fax:**	209.664.1040	**Fax:**	(209) 581-9282
Sampler's Signature:		**Bill To:**		**Date Results Required:**	
		Client:	Environmental Compliance Group, LLC	**Date Report Required:**	
		Address:	270 Vintage Drive Turlock, CA 95382		

TURN AROUND TIME					ANALYSIS											
RUSH	24 Hour	48 Hour	Standard (5 days)	Special (10-14 days)	TPHg, BTEX, 5 oxygenates, 1,2-DCA, and EDB by EPA Method 8260B										EDF Reports	COMMENTS
☐	☐	☐	☐	☒												
Sample ID.	**Date**	**Time**	**# Containers**	**Matrix**												Preservative
MW-6-4	11/11/2010	1248	1	soil	X										X	
MW-6-8	11/11/2010	1255	1	soil	X										X	
MW-6-12	11/11/2010	1300	1	soil	X										X	

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	SPECIAL INSTRUCTIONS:
Drew Van Allen	11/10/10	1540	Sherry Hoffman	11/10/10	15:40	Global ID#
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	T0600183405
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

Argon Laboratories Sample Receipt Checklist

Client Name: Environmental Compliance Grou Date & Time Received: 11/16/10 15:40

Project Name: Stop N Save Client Project Number: SNS.18281

Received By: SH Matrix: Water ☐ Soil ☑ Sludge ☐

Sample Carrier: Client ☑ Laboratory ☐ Fed Ex ☐ UPS ☐ Other ☐

Argon Labs Project Number: K011032

Shipper Container in good condition? N/A____	Yes ☑	No ☐		Samples received in proper containers?	Yes ☑	No ☐	
Samples received under refrigeration?	Yes ☑	No ☐		Samples received intact?	Yes ☑	No ☐	
Chain of custody present?	Yes ☑	No ☐		Sufficient sample volume for requested tests?	Yes ☑	No ☐	
Chain of Custody signed by all parties?	Yes ☑	No ☐		Samples received within holding time?	Yes ☑	No ☐	
Chain of Custody matches all sample labels?	Yes ☑	No ☐		Do samples contain proper preservative? N/A ☑	Yes ☐	No ☐	
				Do VOA vials contain zero headspace? (None submitted ☑)	Yes ☐	No ☐	

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:

♥ ♣ ♦ ♠

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC 270 Vintage Drive Turlock, CA 95382	Project Number: SNS.18281 Project Name: Stop N Save Inc. Project Manager:Drew Van Allen	Work Order No.: K011032

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-9-4	K011032-01	Soil	11/11/10 08:00	11/16/10 15:40
SB-9-12	K011032-02	Soil	11/11/10 08:10	11/16/10 15:40
SB-9-16	K011032-03	Soil	11/11/10 08:20	11/16/10 15:40
SB-9-20	K011032-04	Soil	11/11/10 08:30	11/16/10 15:40
SB-10-4	K011032-05	Soil	11/11/10 09:20	11/16/10 15:40
SB-10-8	K011032-06	Soil	11/11/10 09:25	11/16/10 15:40
SB-10-12	K011032-07	Soil	11/11/10 09:30	11/16/10 15:40
SB-10-20	K011032-08	Soil	11/11/10 09:50	11/16/10 15:40
SB-10-25	K011032-09	Soil	11/11/10 09:55	11/16/10 15:40
MW-4-4	K011032-10	Soil	11/11/10 10:00	11/16/10 15:40
MW-4-8	K011032-11	Soil	11/11/10 10:05	11/16/10 15:40
MW-4-12	K011032-12	Soil	11/11/10 10:10	11/16/10 15:40
SB-8-4	K011032-13	Soil	11/11/10 10:25	11/16/10 15:40
SB-8-10	K011032-14	Soil	11/11/10 10:35	11/16/10 15:40
MW-5-4	K011032-15	Soil	11/11/10 10:43	11/16/10 15:40
MW-5-8	K011032-16	Soil	11/11/10 10:50	11/16/10 15:40
MW-5-12	K011032-17	Soil	11/11/10 10:55	11/16/10 15:40
SB-7-8	K011032-18	Soil	11/11/10 11:15	11/16/10 15:40
SB-7-10	K011032-19	Soil	11/11/10 11:20	11/16/10 15:40
SB-6-4	K011032-20	Soil	11/11/10 12:10	11/16/10 15:40
SB-6-10	K011032-21	Soil	11/11/10 12:15	11/16/10 15:40
SB-5-4	K011032-22	Soil	11/11/10 12:30	11/16/10 15:40
SB-5-8	K011032-23	Soil	11/11/10 12:35	11/16/10 15:40
SB-6-4	K011032-24	Soil	11/11/10 12:48	11/16/10 15:40
SB-6-8	K011032-25	Soil	11/11/10 12:55	11/16/10 15:40
SB-6-12	K011032-26	Soil	11/11/10 13:00	11/16/10 15:40

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: SNS.18281
Project Name: Stop N Save Inc.
Project Manager:Drew Van Allen

Work Order No.: K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
SB-9-4 (K011032-01) Soil Sampled: 11-Nov-10 08:00 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	18-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*95 %*			"	"	
SB-9-12 (K011032-02) Soil Sampled: 11-Nov-10 08:10 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	18-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*94 %*			"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
SB-9-16 (K011032-03) Soil Sampled: 11-Nov-10 08:20 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	18-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*95 %*			"	"	
SB-9-20 (K011032-04) Soil Sampled: 11-Nov-10 08:30 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	18-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*160 %*			"	"	*A-01*

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Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
SB-10-4 (K011032-05) Soil Sampled: 11-Nov-10 09:20 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	18-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*93 %*			"	"	
SB-10-8 (K011032-06) Soil Sampled: 11-Nov-10 09:25 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	**150**	20	mg/kg	20	18-Nov-10	8260B	
Benzene	ND	0.10	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	
Xylenes, total	**4.9**	0.20	"	"	"	"	
Ethyl Benzene	**0.70**	0.10	"	"	"	"	
t-Butanol	ND	1.0	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.10	"	"	"	"	
Di-Isopropyl Ether	ND	0.10	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.10	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.10	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	
Surr. Rec.:		*110 %*			"	"	

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Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
SB-10-12 (K011032-07) Soil Sampled: 11-Nov-10 09:30 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	18-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*92 %*			"	"	
SB-10-20 (K011032-08) Soil Sampled: 11-Nov-10 09:50 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	18-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*190 %*			"	"	*A-01*

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Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
SB-10-25 (K011032-09) Soil Sampled: 11-Nov-10 09:55 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	18-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*200 %*			"	"	*A-01*
MW-4-4 (K011032-10) Soil Sampled: 11-Nov-10 10:00 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	**8.3**	5.0	mg/kg	5	18-Nov-10	8260B	
Benzene	**0.038**	0.025	"	"	"	"	
Toluene	ND	0.025	"	"	"	"	
Xylenes, total	**0.43**	0.050	"	"	"	"	
Ethyl Benzene	**0.038**	0.025	"	"	"	"	
t-Butanol	**1.3**	0.25	"	"	"	"	
Methyl tert-Butyl Ether	**2.1**	0.025	"	"	"	"	
Di-Isopropyl Ether	ND	0.025	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.025	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.025	"	"	"	"	
1,2-Dichloroethane	ND	0.025	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.025	"	"	"	"	
Surr. Rec.:		*104 %*			"	"	

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Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-4-8 (K011032-11) Soil Sampled: 11-Nov-10 10:05 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	**4300**	800	mg/kg	800	18-Nov-10	8260B	
Benzene	**7.2**	4.0	"	"	"	"	
Toluene	**76**	4.0	"	"	"	"	
Xylenes, total	**440**	8.0	"	"	"	"	
Ethyl Benzene	**49**	4.0	"	"	"	"	
t-Butanol	ND	40	"	"	"	"	
Methyl tert-Butyl Ether	ND	4.0	"	"	"	"	
Di-Isopropyl Ether	ND	4.0	"	"	"	"	
Ethyl tert-Butyl Ether	ND	4.0	"	"	"	"	
tert-Amyl Methyl Ether	ND	4.0	"	"	"	"	
1,2-Dichloroethane	ND	4.0	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.0	"	"	"	"	
Surr. Rec.:		*106 %*			"	"	
MW-4-12 (K011032-12) Soil Sampled: 11-Nov-10 10:10 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	18-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*91 %*			"	"	

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Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
SB-8-4 (K011032-13) Soil Sampled: 11-Nov-10 10:25 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	18-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*91 %*			"	"	
SB-8-10 (K011032-14) Soil Sampled: 11-Nov-10 10:35 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	19-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*96 %*			"	"	

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Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-5-4 (K011032-15) Soil Sampled: 11-Nov-10 10:43 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	19-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*99 %*			"	"	
MW-5-8 (K011032-16) Soil Sampled: 11-Nov-10 10:50 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	**60**	10	mg/kg	10	19-Nov-10	8260B	
Benzene	ND	0.050	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	
Xylenes, total	ND	0.10	"	"	"	"	
Ethyl Benzene	**0.26**	0.050	"	"	"	"	
t-Butanol	ND	0.50	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.050	"	"	"	"	
Di-Isopropyl Ether	ND	0.050	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.050	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.050	"	"	"	"	
1,2-Dichloroethane	ND	0.050	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.050	"	"	"	"	
Surr. Rec.:		*108 %*			"	"	

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Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-5-12 (K011032-17) Soil Sampled: 11-Nov-10 10:55 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	19-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*98 %*			"	"	
SB-7-8 (K011032-18) Soil Sampled: 11-Nov-10 11:15 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	19-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*97 %*			"	"	

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Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
SB-7-10 (K011032-19) Soil Sampled: 11-Nov-10 11:20 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	19-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*93 %*			"	"	
SB-6-4 (K011032-20) Soil Sampled: 11-Nov-10 12:10 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	**2.6**	1.0	mg/kg	1	19-Nov-10	8260B	
Benzene	**0.093**	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	**0.047**	0.010	"	"	"	"	
Ethyl Benzene	**0.020**	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*117 %*			"	"	

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Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
SB-6-10 (K011032-21) Soil Sampled: 11-Nov-10 12:15 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	**24**	5.0	mg/kg	5	19-Nov-10	8260B	
Benzene	ND	0.025	"	"	"	"	
Toluene	ND	0.025	"	"	"	"	
Xylenes, total	**0.50**	0.050	"	"	"	"	
Ethyl Benzene	**0.17**	0.025	"	"	"	"	
t-Butanol	ND	0.25	"	"	"	"	
Methyl tert-Butyl Ether	**0.046**	0.025	"	"	"	"	
Di-Isopropyl Ether	ND	0.025	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.025	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.025	"	"	"	"	
1,2-Dichloroethane	ND	0.025	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.025	"	"	"	"	
Surr. Rec.:		*109 %*			"	"	
SB-5-4 (K011032-22) Soil Sampled: 11-Nov-10 12:30 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	19-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*92 %*			"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
SB-5-8 (K011032-23) Soil Sampled: 11-Nov-10 12:35 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	19-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*93 %*			"	"	
SB-6-4 (K011032-24) Soil Sampled: 11-Nov-10 12:48 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	19-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*93 %*			"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
SB-6-8 (K011032-25) Soil Sampled: 11-Nov-10 12:55 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	19-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*96 %*			"	"	
SB-6-12 (K011032-26) Soil Sampled: 11-Nov-10 13:00 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	19-Nov-10	8260B	
Benzene	ND	0.005	"	"	"	"	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethyl Benzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*92 %*			"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011032

TPH-gas & Volatile Organic Compounds by GC/MS - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch K001732 - EPA 5030B										
Blank (K001732-BLK1)				Prepared & Analyzed: 11/18/10						
Surrogate: Fluorobenzene	*0.0475*		*mg/kg*	*0.050*		*95*	*70-130*			
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	"							
Benzene	ND	0.005	"							
Toluene	ND	0.005	"							
Xylenes, total	ND	0.010	"							
Ethyl Benzene	ND	0.005	"							
t-Butanol	ND	0.050	"							
Methyl tert-Butyl Ether	ND	0.005	"							
Di-Isopropyl Ether	ND	0.005	"							
Ethyl tert-Butyl Ether	ND	0.005	"							
tert-Amyl Methyl Ether	ND	0.005	"							
1,2-Dichloroethane	ND	0.005	"							
1,2-Dibromoethane (EDB)	ND	0.005	"							
LCS (K001732-BS1)				Prepared & Analyzed: 11/18/10						
Methyl tert-Butyl Ether	0.027		mg/kg	0.025		108	80-120			
LCS Dup (K001732-BSD1)				Prepared & Analyzed: 11/18/10						
Methyl tert-Butyl Ether	0.024		mg/kg	0.025		95	80-120	13	20	
Matrix Spike (K001732-MS1)		**Source: K011032-02**		Prepared & Analyzed: 11/18/10						
Total Petroleum Hydrocarbons @ Gasoline	0.982		mg/kg	1.0	ND	98	70-130			
Matrix Spike Dup (K001732-MSD1)		**Source: K011032-02**		Prepared & Analyzed: 11/18/10						
Total Petroleum Hydrocarbons @ Gasoline	0.980		mg/kg	1.0	ND	98	70-130	0.2	20	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC 270 Vintage Drive Turlock, CA 95382	Project Number: SNS.18281 Project Name: Stop N Save Inc. Project Manager:Drew Van Allen	Work Order No.: K011032

Notes and Definitions

A-01	Surrogate high due to matrix interference, confirmed by duplicate analysis.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories

23 November 2010

Drew Van Allen
Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

RE: Stop N Save Inc. Project Data

Enclosed are the results for sample(s) received on 11/16/10 15:40 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto
Lab Manager

2905 Railroad Avenue, Ceres, CA 95307 • Phone (209) 581-9280 • Fax (209) 581-9282
email: main@argonlabs.com

Argon Analytical Services, Inc.

CHAIN OF CUSTODY

Project Information:		Report To:		Samples Submitted To:	
Project No:	SNS.18281	**Consultant:**	Environmental Compliance Group, LLC	**Laboratory:**	Argon Labs
Project Title:	Stop N Save Inc.	**Address:**	270 Vintage Drive	**Address:**	2905 Railroad Avenue
Location:	20570 Stanton Avenue		Turlock, CA 95382		Ceres, CA 95307
	Castro Valley, CA	**Contact:**	Drew Van Allen	**Contact:**	
Sampler's Name:		**Phone:**	209.664.1035	**Phone:**	(209) 581-9280
(print)		**Fax:**	209.664.1040	**Fax:**	(209) 581-9282
Sampler's Signature:		**Bill To:**		**Date Results Required:**	
		Client:	Environmental Compliance Group, LLC	**Date Report Required:**	
		Address:	270 Vintage Drive Turlock, CA 95382		

TURN AROUND TIME					ANALYSIS											
RUSH	24 Hour	48 Hour	Standard (5 days)	Special (10-14 days)	TPHg, BTEX, 5 oxygenates, 1,2-DCA, and EDB by EPA Method 8260B										EDF Reports	COMMENTS
Sample ID.	Date	Time	# Containers	Matrix												Preservative
SB-7	11/12/2010	0830	3	water	X										X	HCL
SB-9	11/12/2010	0750	3	water	X										X	HCL

Relinquished By: Drew Van Allen	Date: 11/16/10	Time: 1540	Received By: Sherree Hoffman	Date: 11/16/10	Time: 15:40	SPECIAL INSTRUCTIONS:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Global ID#	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	T0600183405	

Argon Laboratories Sample Receipt Checklist

Client Name: Environmental Compliance Grou | Date & Time Received: 11/16/10 15:40

Project Name: Stop N Save | Client Project Number: SNS.18281

Received By: SH | Matrix: Water ☑ Soil ☐ Sludge ☐

Sample Carrier: Client ☑ Laboratory ☐ Fed Ex ☐ UPS ☐ Other ☐

Argon Labs Project Number: K011033

Shipper Container in good condition? N/A____	Yes ☑	No ☐		Samples received in proper containers?	Yes ☑	No ☐	
				Samples received intact?	Yes ☑	No ☐	
Samples received under refrigeration?	Yes ☑	No ☐		Sufficient sample volume for requested tests?	Yes ☑	No ☐	
Chain of custody present?	Yes ☑	No ☐		Samples received within holding time?	Yes ☑	No ☐	
Chain of Custody signed by all parties?	Yes ☑	No ☐		Do samples contain proper preservative? N/A ☐	Yes ☑	No ☐	
Chain of Custody matches all sample labels?	Yes ☑	No ☐		Do VOA vials contain zero headspace? (None submitted ☐)	Yes ☑	No ☐	

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:

♥ ♣ ♦ ♠

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011033

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-7	K011033-01	Water	11/12/10 08:30	11/16/10 15:40
SB-9	K011033-02	Water	11/12/10 07:50	11/16/10 15:40

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011033

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
SB-7 (K011033-01) Water Sampled: 12-Nov-10 08:30 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	**790**	50	ug/L	1	20-Nov-10	EPA 8260B	
Benzene	**6.3**	0.5	"	"	"	"	
Toluene	**2.1**	0.5	"	"	"	"	
Xylenes, total	**19**	1.0	"	"	"	"	
Ethyl Benzene	**5.7**	0.5	"	"	"	"	
t-Butanol	**14**	5.0	"	"	"	"	
Methyl tert-Butyl Ether	**4.0**	0.5	"	"	"	"	
Di-Isopropyl Ether	ND	0.5	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.5	"	"	"	"	
1,2-Dichloroethane	ND	0.5	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	"	"	"	"	
Surr. Rec.:		*114 %*			"	"	
SB-9 (K011033-02) Water Sampled: 12-Nov-10 07:50 Received: 16-Nov-10 15:40							
Total Petroleum Hydrocarbons @ Gasoline	ND	50	ug/L	1	20-Nov-10	EPA 8260B	
Benzene	ND	0.5	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	
Ethyl Benzene	ND	0.5	"	"	"	"	
t-Butanol	ND	5.0	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	"	"	"	"	
Di-Isopropyl Ether	ND	0.5	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.5	"	"	"	"	
1,2-Dichloroethane	ND	0.5	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	"	"	"	"	
Surr. Rec.:		*110 %*			"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager:Drew Van Allen	K011033

TPH-gas & Volatile Organic Compounds by GC/MS - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch K001735 - EPA 5030B										
Blank (K001735-BLK1)				Prepared & Analyzed: 11/20/10						
Surrogate: Fluorobenzene	*54.5*		*ug/L*	*50*		*109*	*70-130*			
Total Petroleum Hydrocarbons @ Gasoline	ND	50	"							
Benzene	ND	0.5	"							
Toluene	ND	0.5	"							
Xylenes, total	ND	1.0	"							
Ethyl Benzene	ND	0.5	"							
t-Butanol	ND	5.0	"							
Methyl tert-Butyl Ether	ND	0.5	"							
Di-Isopropyl Ether	ND	0.5	"							
Ethyl tert-Butyl Ether	ND	0.5	"							
tert-Amyl Methyl Ether	ND	0.5	"							
1,2-Dichloroethane	ND	0.5	"							
1,2-Dibromoethane (EDB)	ND	0.5	"							
LCS (K001735-BS1)				Prepared & Analyzed: 11/20/10						
Methyl tert-Butyl Ether	23.5		ug/L	25		94	80-120			
LCS Dup (K001735-BSD1)				Prepared & Analyzed: 11/20/10						
Methyl tert-Butyl Ether	21.2		ug/L	25		85	80-120	10	20	
Matrix Spike (K001735-MS1)		**Source: K011034-03**		Prepared & Analyzed: 11/20/10						
Total Petroleum Hydrocarbons @ Gasoline	1100		ug/L	1000	ND	110	70-130			
Matrix Spike Dup (K001735-MSD1)		**Source: K011034-03**		Prepared & Analyzed: 11/20/10						
Total Petroleum Hydrocarbons @ Gasoline	1070		ug/L	1000	ND	107	70-130	2	20	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC 270 Vintage Drive Turlock, CA 95382	Project Number: SNS.18281 Project Name: Stop N Save Inc. Project Manager:Drew Van Allen	Work Order No.: K011033

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories

09 December 2010

Drew Van Allen
Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

RE: Stop N Save Inc. Project Data

Enclosed are the results for sample(s) received on 12/02/10 15:20 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto
Lab Manager

2905 Railroad Avenue, Ceres, CA 95307 • Phone (209) 581-9280 • Fax (209) 581-9282
email: main@argonlabs.com

Argon Analytical Services, Inc.

CHAIN OF CUSTODY

Project Information:		Report To:		Samples Submitted To:	
Project No:	SNS.18281	Consultant:	Environmental Compliance Group, LLC	Laboratory:	Argon Labs
Project Title:	Stop N Save Inc.	Address:	270 Vintage Drive Turlock, CA 95382	Address:	2905 Railroad Avenue Ceres, CA 95307
Location:	20570 Stanton Avenue Castro Valley, CA	Contact:	Drew Van Allen	Contact:	
Sampler's Name:		Phone:	209.664.1035	Phone:	(209) 581-9280
(print)		Fax:	209.664.1040	Fax:	(209) 581-9282
Sampler's Signature:		Bill To:		Date Results Required:	
		Client:	Environmental Compliance Group, LLC	Date Report Required:	
		Address:	270 Vintage Drive Turlock, CA 95382		

TURN AROUND TIME

RUSH	24 Hour	48 Hour	Standard (5 days)	Special (10-14 days)
☐	☐	☐	☐	☒

ANALYSIS

Sample ID.	Date	Time	# Containers	Matrix	TPHg, BTEX, 5 oxygenates, 1,2-DCA, and EDB by EPA Method 8260B										EDF Reports	COMMENTS
																Preservative
ST MW-1	113010	1120	3	water	X										X	
ST MW-2	↓	1200	↓	water	X										X	
ST MW-3		1148		water	X										X	
MW-4		1030		water	X										X	
MW-5		1057		water	X										X	
MW-6		1090		water	X										X	

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	SPECIAL INSTRUCTIONS:
Drew Van Allen	12/2/10	1540		12/3/10	15:20	Global ID#
						T0600183405
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

Argon Laboratories Sample Receipt Checklist

Client Name: Environmental Compliance Grou Date & Time Received: 12/02/10 15:20

Project Name: Stop N Save Client Project Number: SNS.18281

Received By: AH Matrix: Water ☑ Soil ☐ Sludge ☐

Sample Carrier: Client ☑ Laboratory ☐ Fed Ex ☐ UPS ☐ Other ☐

Argon Labs Project Number: K012008

Shipper Container in good condition? N/A____	Yes ☑	No ☐		Samples received in proper containers?	Yes ☑	No ☐	
				Samples received intact?	Yes ☑	No ☐	
Samples received under refrigeration?	Yes ☑	No ☐		Sufficient sample volume for requested tests?	Yes ☑	No ☐	
Chain of custody present?	Yes ☑	No ☐		Samples received within holding time?	Yes ☑	No ☐	
Chain of Custody signed by all parties?	Yes ☑	No ☐		Do samples contain proper preservative? N/A ☐	Yes ☑	No ☐	
Chain of Custody matches all sample labels?	Yes ☑	No ☐		Do VOA vials contain zero headspace? (None submitted ☐)	Yes ☑	No ☐	

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:

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argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: SNS.18281
Project Name: Stop N Save Inc.
Project Manager: Drew Van Allen

Work Order No.: K012008

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	K012008-01	Water	11/30/10 11:20	12/02/10 15:20
MW-2	K012008-02	Water	11/30/10 12:00	12/02/10 15:20
MW-3	K012008-03	Water	11/30/10 11:48	12/02/10 15:20
MW-4	K012008-04	Water	11/30/10 10:30	12/02/10 15:20
MW-5	K012008-05	Water	11/30/10 10:57	12/02/10 15:20
MW-6	K012008-06	Water	11/30/10 10:10	12/02/10 15:20

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager: Drew Van Allen	K012008

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-1 (K012008-01) Water Sampled: 30-Nov-10 11:20 Received: 02-Dec-10 15:20							
Total Petroleum Hydrocarbons @ Gasoline	ND	500	ug/L	10	07-Dec-10	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	
Xylenes, total	ND	10	"	"	"	"	
Ethyl Benzene	ND	5.0	"	"	"	"	
t-Butanol	**4100**	50	"	"	"	"	
Methyl tert-Butyl Ether	**42**	5.0	"	"	"	"	
Di-Isopropyl Ether	ND	5.0	"	"	"	"	
Ethyl tert-Butyl Ether	ND	5.0	"	"	"	"	
tert-Amyl Methyl Ether	ND	5.0	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	
Surr. Rec.:		*99 %*			"	"	
MW-2 (K012008-02) Water Sampled: 30-Nov-10 12:00 Received: 02-Dec-10 15:20							
Total Petroleum Hydrocarbons @ Gasoline	ND	50	ug/L	1	07-Dec-10	EPA 8260B	
Benzene	ND	0.5	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	
Ethyl Benzene	ND	0.5	"	"	"	"	
t-Butanol	ND	5.0	"	"	"	"	
Methyl tert-Butyl Ether	**2.2**	0.5	"	"	"	"	
Di-Isopropyl Ether	ND	0.5	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.5	"	"	"	"	
1,2-Dichloroethane	ND	0.5	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	"	"	"	"	
Surr. Rec.:		*97 %*			"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager: Drew Van Allen	K012008

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-3 (K012008-03) Water Sampled: 30-Nov-10 11:48 Received: 02-Dec-10 15:20							
Total Petroleum Hydrocarbons @ Gasoline	ND	50	ug/L	1	07-Dec-10	EPA 8260B	
Benzene	ND	0.5	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	
Ethyl Benzene	ND	0.5	"	"	"	"	
t-Butanol	ND	5.0	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	"	"	"	"	
Di-Isopropyl Ether	ND	0.5	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.5	"	"	"	"	
1,2-Dichloroethane	ND	0.5	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	"	"	"	"	
Surr. Rec.:		*96 %*			"	"	
MW-4 (K012008-04) Water Sampled: 30-Nov-10 10:30 Received: 02-Dec-10 15:20							
Total Petroleum Hydrocarbons @ Gasoline	**2700**	250	ug/L	5	07-Dec-10	EPA 8260B	
Benzene	**56**	2.5	"	"	"	"	
Toluene	**30**	2.5	"	"	"	"	
Xylenes, total	**430**	5.0	"	"	"	"	
Ethyl Benzene	**46**	2.5	"	"	"	"	
t-Butanol	**510**	25	"	"	"	"	
Methyl tert-Butyl Ether	**510**	2.5	"	"	"	"	
Di-Isopropyl Ether	ND	2.5	"	"	"	"	
Ethyl tert-Butyl Ether	ND	2.5	"	"	"	"	
tert-Amyl Methyl Ether	ND	2.5	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	
Surr. Rec.:		*96 %*			"	"	

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Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager: Drew Van Allen	K012008

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-5 (K012008-05) Water Sampled: 30-Nov-10 10:57 Received: 02-Dec-10 15:20							
Total Petroleum Hydrocarbons @ Gasoline	**200**	50	ug/L	1	07-Dec-10	EPA 8260B	
Benzene	**1.8**	0.5	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	
Xylenes, total	**4.1**	1.0	"	"	"	"	
Ethyl Benzene	**2.1**	0.5	"	"	"	"	
t-Butanol	**26**	5.0	"	"	"	"	
Methyl tert-Butyl Ether	**62**	0.5	"	"	"	"	
Di-Isopropyl Ether	ND	0.5	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.5	"	"	"	"	
1,2-Dichloroethane	ND	0.5	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	"	"	"	"	
Surr. Rec.:		*92 %*			"	"	
MW-6 (K012008-06) Water Sampled: 30-Nov-10 10:10 Received: 02-Dec-10 15:20							
Total Petroleum Hydrocarbons @ Gasoline	ND	50	ug/L	1	07-Dec-10	EPA 8260B	
Benzene	ND	0.5	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	
Ethyl Benzene	ND	0.5	"	"	"	"	
t-Butanol	ND	5.0	"	"	"	"	
Methyl tert-Butyl Ether	**75**	0.5	"	"	"	"	
Di-Isopropyl Ether	ND	0.5	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.5	"	"	"	"	
1,2-Dichloroethane	ND	0.5	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	"	"	"	"	
Surr. Rec.:		*94 %*			"	"	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager: Drew Van Allen	K012008

TPH-gas & Volatile Organic Compounds by GC/MS - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch K001817 - EPA 5030B										
Blank (K001817-BLK1)				Prepared & Analyzed: 12/07/10						
Surrogate: Fluorobenzene	*47.5*		*ug/L*	*50*		*95*	*70-130*			
Total Petroleum Hydrocarbons @ Gasoline	ND	50	"							
Benzene	ND	0.5	"							
Toluene	ND	0.5	"							
Xylenes, total	ND	1.0	"							
Ethyl Benzene	ND	0.5	"							
t-Butanol	ND	5.0	"							
Methyl tert-Butyl Ether	ND	0.5	"							
Di-Isopropyl Ether	ND	0.5	"							
Ethyl tert-Butyl Ether	ND	0.5	"							
tert-Amyl Methyl Ether	ND	0.5	"							
1,2-Dichloroethane	ND	0.5	"							
1,2-Dibromoethane (EDB)	ND	0.5	"							
LCS (K001817-BS1)				Prepared & Analyzed: 12/07/10						
Ethyl Benzene	26.6		ug/L	25		106	80-120			
LCS Dup (K001817-BSD1)				Prepared & Analyzed: 12/07/10						
Ethyl Benzene	27.7		ug/L	25		111	80-120	4	20	
Matrix Spike (K001817-MS1)	**Source: K012008-02**			Prepared & Analyzed: 12/07/10						
Total Petroleum Hydrocarbons @ Gasoline	1180		ug/L	1000	ND	118	70-130			
Matrix Spike Dup (K001817-MSD1)	**Source: K012008-02**			Prepared & Analyzed: 12/07/10						
Total Petroleum Hydrocarbons @ Gasoline	1050		ug/L	1000	ND	105	70-130	11	20	

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Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC	Project Number: SNS.18281	
270 Vintage Drive	Project Name: Stop N Save Inc.	Work Order No.:
Turlock, CA 95382	Project Manager: Drew Van Allen	K012008

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

GROUNDWATER LEVEL DATA FORM

PROJECT NAME: Stop N Save
PROJECT NUMBER: SNS.18281
PROJECT MANAGER: dva
TASK NUMBER:
SITE ADDRESS: 20570 Stanton Avenue, San Pablo, CA

WELL ID	TIME	DEPTH TO BOTTOM	DEPTH TO WATER	DEPTH TO PRODUCT	PRODUCT THICKNESS	PRODUCT THICKNESS X 0.8	COMMENTS
MW-1	0836	22.10	7.71				
MW-2	0840	21.65	6.94				
MW-3	0847	21.65	6.20				
MW-4	0834	12.11	8.18				
MW-5	0838	14.55	7.68				
MW-6	0832	14.57	7.70				

FIELD TECHNICIAN: DVA
DATE: 11/30/10

PURGE/DEVELOPMENT FORM

PROJECT NAME: Stop N Save **PROJECT NUMBER:** SNS.18281
PROJECT MANAGER: dva **TASK NUMBER:**
SITE ADDRESS: 20570 Stanton Avenue, San Pablo, CA

WELL ID: STMW-1 **TYPE OF WELL:** Monitoring

WATER COLUMN DATA: (feet)
Well Total Depth: 22.10
Depth to Water: 7.71
Water Column Length: 14.39

WELL DIAMETER:
2-inch: ✓
4-inch:
6-inch:

PURGE VOLUME CALCULATION:
Water Column Length x Multiplier x No. Volumes = Purge Volume

14.39 (Water Column Length) x 0.17 (Multiplier) x 3 (No. Volumes) = 7.4 (Purge Volume)

MULTIPLIER DATA:
Multiplier for Schedule 40 PVC; Gallons/Linear Foot Based on Casing Diameter:
2-inch: 0.17
4-inch: 0.65
6-inch: 1.5

PURGE METHOD:
Disposable Bailer: ✓
PVC Bailer:
Submersible Pump:
Other:

SAMPLE METHOD:
Disposable Bailer: ✓
Pump:
Other:

TIME	VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (uS/cm)	DO (mg/l)	ORP (mV)	COMMENTS
1040	2.5	7.19	20.3	1458			
1045	5.0	6.84	19.7	1496			
1117	7.5	7.16	19.5	1568			
1120							sample

FIELD TECHNICIAN: JVA
DATE: 11/30/10

PURGE/DEVELOPMENT FORM

PROJECT NAME: Stop N Save **PROJECT NUMBER:** SNS.18281
PROJECT MANAGER: dva **TASK NUMBER:**
SITE ADDRESS: 20570 Stanton Avenue, San Pablo, CA

WELL ID: STMW-2 **TYPE OF WELL:** Monitoring

WATER COLUMN DATA: (feet)
Well Total Depth: 21.65
Depth to Water: 6.94
Water Column Length: 14.71

WELL DIAMETER:
2-inch: ✓
4-inch:
6-inch:

PURGE VOLUME CALCULATION:
Water Column Length x Multiplier x No. Volumes = Purge Volume

14.71 (Water Column Length) x 0.17 (Multiplier) x 3 (No. Volumes) = 7.5 (Purge Volume)

MULTIPLIER DATA:
Multiplier for Schedule 40 PVC; Gallons/Linear Foot Based on Casing Diameter:
2-inch: 0.17
4-inch: 0.65
6-inch: 1.5

PURGE METHOD:
Disposable Bailer: ✓
PVC Bailer:
Submersible Pump:
Other:

SAMPLE METHOD:
Disposable Bailer: ✓
Pump:
Other:

TIME	VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (uS/cm)	DO (mg/l)	ORP (mV)	COMMENTS
1131	2.5	7.10	21.1	1303			
1134	5.0	7.18	21.0	1622			
1157	7.5	7.35	20.5	2020			
1200							sample

FIELD TECHNICIAN: DVA
DATE: 11/30/10

PURGE/DEVELOPMENT FORM

PROJECT NAME: Stop N Save **PROJECT NUMBER:** SNS.18281
PROJECT MANAGER: dva **TASK NUMBER:**
SITE ADDRESS: 20570 Stanton Avenue, San Pablo, CA

WELL ID: STMW-3 **TYPE OF WELL:** Monitoring

WATER COLUMN DATA: (feet)
Well Total Depth: 21.65
Depth to Water: 6.20
Water Column Length: 15.45

WELL DIAMETER:
2-inch: ✓
4-inch:
6-inch:

PURGE VOLUME CALCULATION:
Water Column Length x Multiplier x No. Volumes = Purge Volume

15.45 (Water Column Length) x 0.17 (Multiplier) x 3 (No. Volumes) = 7.9 (Purge Volume)

MULTIPLIER DATA:
Multiplier for Schedule 40 PVC; Gallons/Linear Foot Based on Casing Diameter:
2-inch: 0.17
4-inch: 0.65
6-inch: 1.5

PURGE METHOD:
Disposable Bailer ✓
PVC Bailer
Submersible Pump
Other

SAMPLE METHOD:
Disposable Bailer ✓
Pump:
Other:

TIME	VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (uS/cm)	DO (mg/l)	ORP (mV)	COMMENTS
1106	2.75	7.02	20.5	1627			
1114	5.50	7.15	20.1	2520			
1145	8.0	7.14	20.2	2840			
1148							sampled

FIELD TECHNICIAN: DVA
DATE: 11/30

PURGE/DEVELOPMENT FORM

PROJECT NAME: Stop N Save **PROJECT NUMBER:** SNS.18281
PROJECT MANAGER: dva **TASK NUMBER:**
SITE ADDRESS: 20570 Stanton Avenue, San Pablo, CA

WELL ID: MW-4 **TYPE OF WELL:** Monitoring

WATER COLUMN DATA: (feet)
Well Total Depth: 12.11
Depth to Water: 8.18
Water Column Length: 3.93

WELL DIAMETER:
2-inch: ✓
4-inch:
6-inch:

PURGE VOLUME CALCULATION:
Water Column Length x Multiplier x No. Volumes = Purge Volume

3.93	x	0.17	x	~~X~~ 6	=	4
Water Column Length		Multiplier		No. Volumes		Purge Volume

MULTIPLIER DATA:
Multiplier for Schedule 40 PVC; Gallons/Linear Foot Based on Casing Diameter:
2-inch: 0.17
4-inch: 0.65
6-inch: 1.5

PURGE METHOD:
Disposable Bailer ✓
PVC Bailer
Submersible Pump
Other

SAMPLE METHOD:
Disposable Bailer ✓
Pump:
Other:

TIME	VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (uS/cm)	DO (mg/l)	ORP (mV)	COMMENTS
0849	1.0	7.22	20.3	3940			
0851	1.5	7.30	20.4	3940			DRY
0910	2.0	7.45	20.3	3930			DRY
1017	2.25	7.40	20.6	3890			DRY
1034							Sample

FIELD TECHNICIAN: DM
DATE: 11/3/10

PURGE/DEVELOPMENT FORM

PROJECT NAME: Stop N Save
PROJECT NUMBER: SNS.18281
PROJECT MANAGER: dva
TASK NUMBER:
SITE ADDRESS: 20570 Stanton Avenue, San Pablo, CA

WELL ID: MW-5
TYPE OF WELL: Monitoring

WATER COLUMN DATA: (feet)
Well Total Depth: 14.55
Depth to Water: 7.68
Water Column Length: 6.87

WELL DIAMETER:
2-inch: ✓
4-inch:
6-inch:

PURGE VOLUME CALCULATION:
Water Column Length x Multiplier x No. Volumes = Purge Volume

6.87 (Water Column Length) x 0.17 (Multiplier) x 6 (No. Volumes) = 7. (Purge Volume)

MULTIPLIER DATA:
Multiplier for Schedule 40 PVC; Gallons/Linear Foot Based on Casing Diameter:
2-inch: 0.17
4-inch: 0.65
6-inch: 1.5

PURGE METHOD:
Disposable Bailer ✓
PVC Bailer
Submersible Pump
Other

SAMPLE METHOD:
Disposable Bailer ✓
Pump:
Other:

TIME	VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (uS/cm)	DO (mg/l)	ORP (mV)	COMMENTS
0915	1.5	7.44	20.6	4150			
0924	3.5	7.35	20.4	4200			DRY
1022	4.0	7.42	20.4	4070			DRY
1057							SAMPLE

FIELD TECHNICIAN: DVA
DATE: 112010

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PURGE/DEVELOPMENT FORM

PROJECT NAME: Stop N Save **PROJECT NUMBER:** SNS.18281
PROJECT MANAGER: dva **TASK NUMBER:**
SITE ADDRESS: 20570 Stanton Avenue, San Pablo, CA

WELL ID: MW-6 **TYPE OF WELL:** Monitoring

WATER COLUMN DATA: (feet)
Well Total Depth: 14.57
Depth to Water: 7.70
Water Column Length: 6.87

WELL DIAMETER:
2-inch: ✓
4-inch:
6-inch:

PURGE VOLUME CALCULATION:
Water Column Length x Multiplier x No. Volumes = Purge Volume

6.87 (Water Column Length) x 0.17 (Multiplier) x 6 (No. Volumes) = 7 (Purge Volume)

MULTIPLIER DATA:
Multiplier for Schedule 40 PVC; Gallons/Linear Foot Based on Casing Diameter:
2-inch: 0.17
4-inch: 0.65
6-inch: 1.5

PURGE METHOD:
Disposable Bailer: ✓
PVC Bailer:
Submersible Pump:
Other:

SAMPLE METHOD:
Disposable Bailer: ✓
Pump:
Other:

TIME	VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (uS/cm)	DO (mg/l)	ORP (mV)	COMMENTS
0857	1.5	7.55	20.1	3250			
0902	3.1	7.56	19.6	3220			
0904	4.0						DRY
1005	7.0	7.53	19.3	2790			
1014							SAMPLE

FIELD TECHNICIAN: BW
DATE: 11/30/10

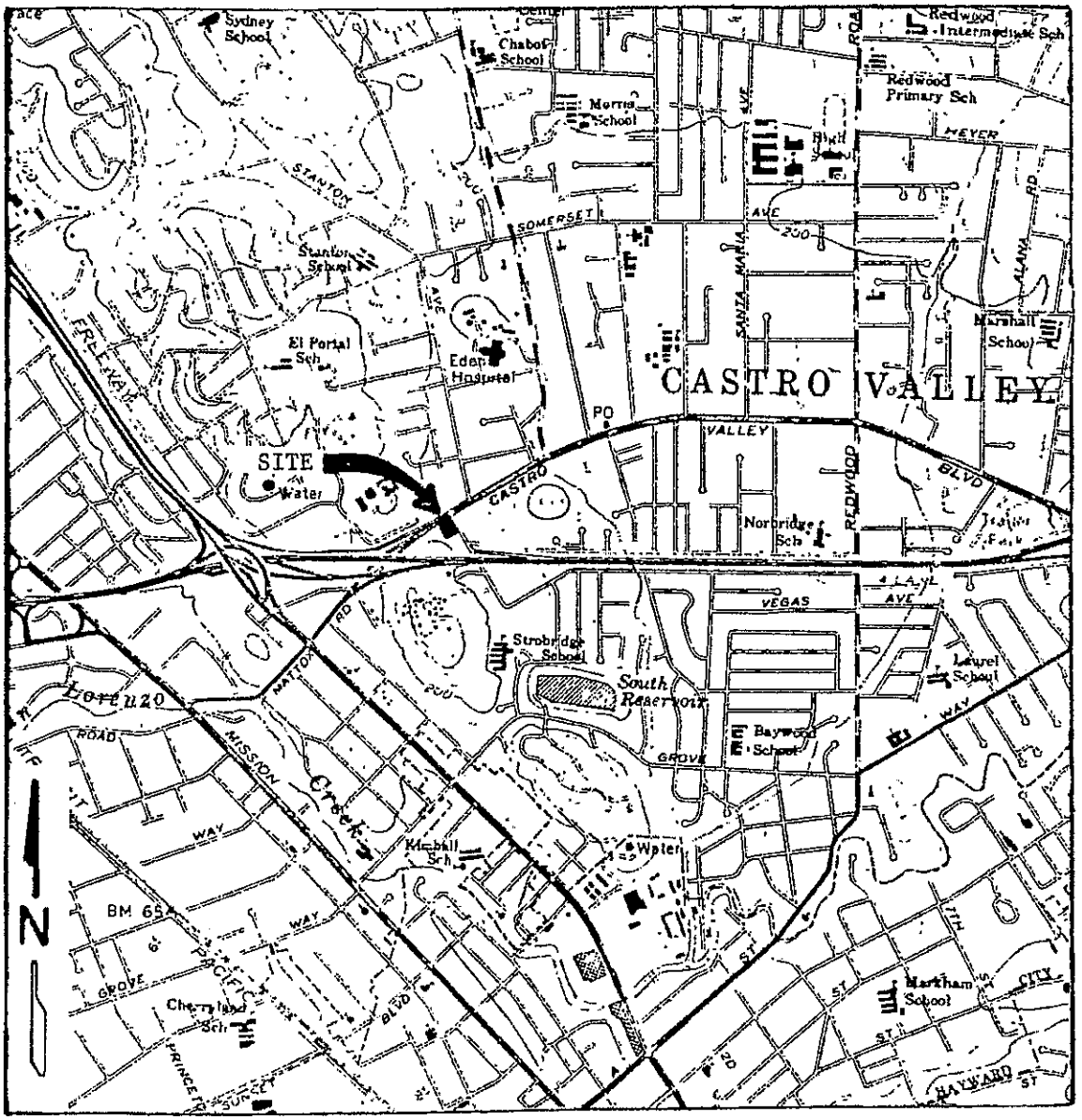
CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

KAPREALIAN ENGINEERING, INC.
Consulting Engineers
P.O. BOX 996 • BENICIA, CA 94510
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581

308355A

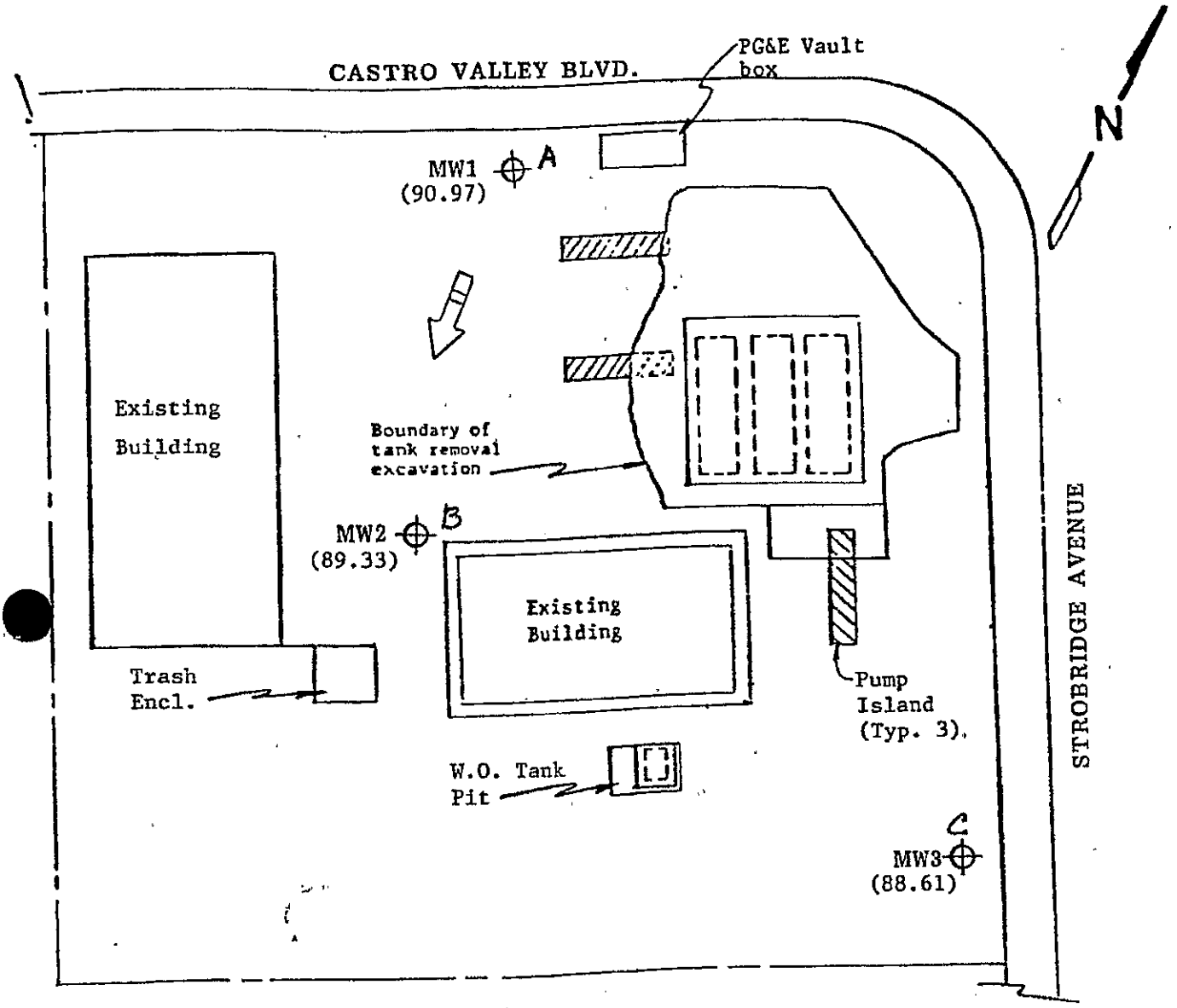


LOCATION MAP

Unocal Service Station #3072
2445 Castro Valley Blvd.
Castro Valley, California

KAPREALIAN ENGINEERING, INC.
Consulting Engineers
P.O. BOX 996 • BENICIA, CA 94510
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581

308355A



SITE PLAN
Figure 1

LEGEND

⊕ Monitoring Well

( ) Ground water elevation in feet on 1/24/90. Top of MW1 well cover assumed 100.00 feet as datum.

⇨ Direction of ground water flow

30 0 30
Approx. Scale feet

Unocal Service Station #3072
2445 Castro Valley Blvd.
Castro Valley, California

3S/2W 9B1

BORING LOG

3083355A

Project No. KEI-P89-1106	Boring & Casing Diameter 9" 2"	Logged By D.L.
Project Name Unocal Castro Valley	Well Head Elevation N/A	Date Drilled 1/18/90
Boring No. MW1	Drilling Method Hollow-stem Auger	Drilling Company EGI

Penetration blows/6"	G. W. level	Depth (ft) Samples	Stratigraphy USCS	Description
		0		A.C. Pavement Clay, sand, and gravel: fill
			CH	Clay, high plasticity, stiff, moist, black.
5/7/14		5		Color change at 5 feet to dark gray 10-15% sand.
16/33/43			N/A	Shale bedrock, weathered, locally hard, fractured, slightly moist, olive brown, clayey inside fractures.
22/46/50-5"		10		
	▼			Shale bedrock at 13 feet, as above, wet.
		15		
		20		Color change at 20 feet to very dark gray.

needs page 2

3083554

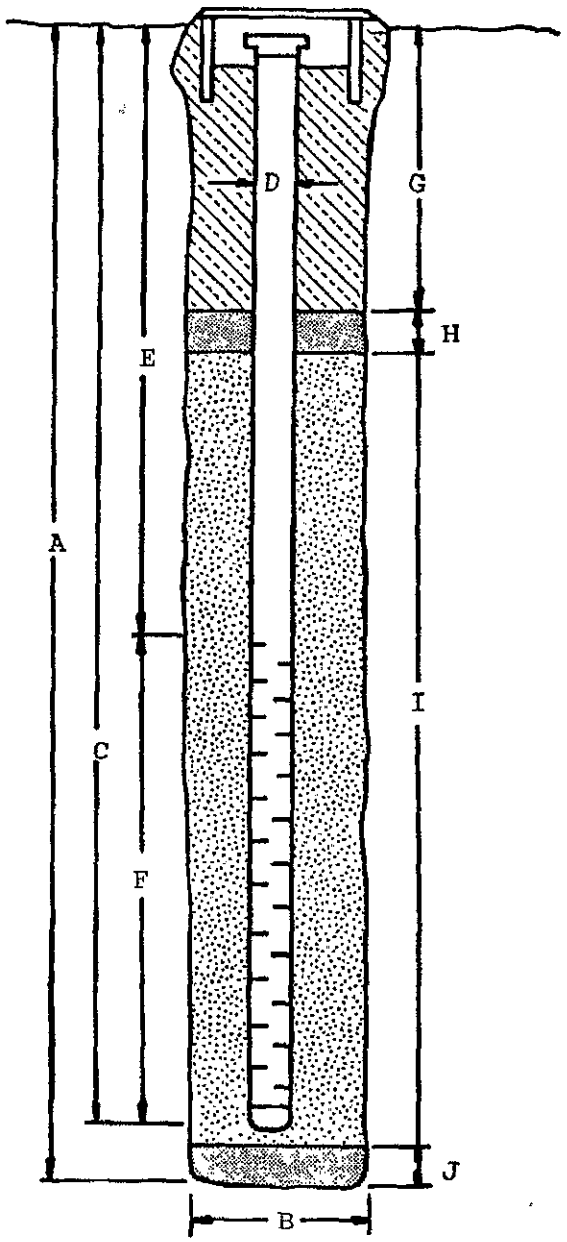
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal - Castro Valley BORING/WELL NO. MW1

PROJECT NUMBER: KEI-P89-1106

WELL PERMIT NO.:

Flush-mounted Well Cover



A. Total Depth: 25.5'

B. Boring Diameter*: 9"

Drilling Method: Hollow Stem Auger

C. Casing Length: 25.5'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375"

ID = 2.067"

E. Depth to Perforations: 8'

F. Perforated Length: 17.5'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 4'

Seal Material: Concrete

H. Seal: 2'

Seal Material: Bentonite

I. Gravel Pack: 19.5'

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: None

Seal Material: N/A

*Boring diameter can vary from 8-1/4" to 9" depending on bit wear.

BORING LOG

308355 B

Project No. KEI-P89-1106	Boring & Casing Diameter 9" 2"	Logged By D.L.
Project Name Unocal Castro Valley	Well Head Elevation N/A	Date Drilled 1/18/90
Boring No. MW2	Drilling Method Hollow-stem Auger	Drilling Company EGI

Penetration blows/6"	G. W. level	Depth (ft) Samples	Stratigraphy USCS	Description
		0		A.C. Pavement
				Silty clay, high plasticity, stiff, moist, very dark gray, locally gravelly, gravel to 1/2".
6/8/10		5	CH	Clay, high plasticity , with silt, 10-15% sand, stiff, moist, dark greenish gray, locally cemented, with gravel below 6 feet.
16/25/26			GC	Clayey gravel with sand, dense, moist, dark greenish gray, mottled with olive brown below 7.5 feet.
4/7/13		10	CH	Sandy clay, moderate to high plasticity, 10-15% gravel, stiff, firable, moist, yellowish brown.
8/11/15				Very stiff at 12 feet, ocasional gravel, gravel is olive brown shale.
7/13/22				
13/20/28		15		
10/19/21			GC	Clayey gravel with sand, dense, moist, yellowish brown, gravel is shale, dark brown within clay.
13/19/23 50-2"	▼	20		At 20 feet, varied gravel, some serpentine. No recovery at 20.5 feet

3S/2W 9B2

BORING LOG

3022356

Project No. KEI-P89-1106	Boring & Casing Diameter 9" 2"	Logged By D.L.
Project Name Unocal Castro Valley	Well Head Elevation N/A	Date Drilled 1/18/90
Boring No. MW2	Drilling Method Hollow-stem Auger	Drilling Company EGI

Penetration blows/6"	G. W. level	Depth (ft) Samples	Stratigraphy USCS	Description
36/48/ 50-5"			SW-SC	Clayey sand with gravel, 15% clay, gravel as above, hard, wet, olive brown.
			N/A	Shale bedrock, very hard, fractured, dark yellowish brown to dark brown.
22/50-5"		25		Shale bedrock, well weathered to clay, locally hard, very dark gray.
50-3"		30		No recovery, shale bedrock, as above, near refusal.
		35		
		40		TOTAL DEPTH: 30'

308355B

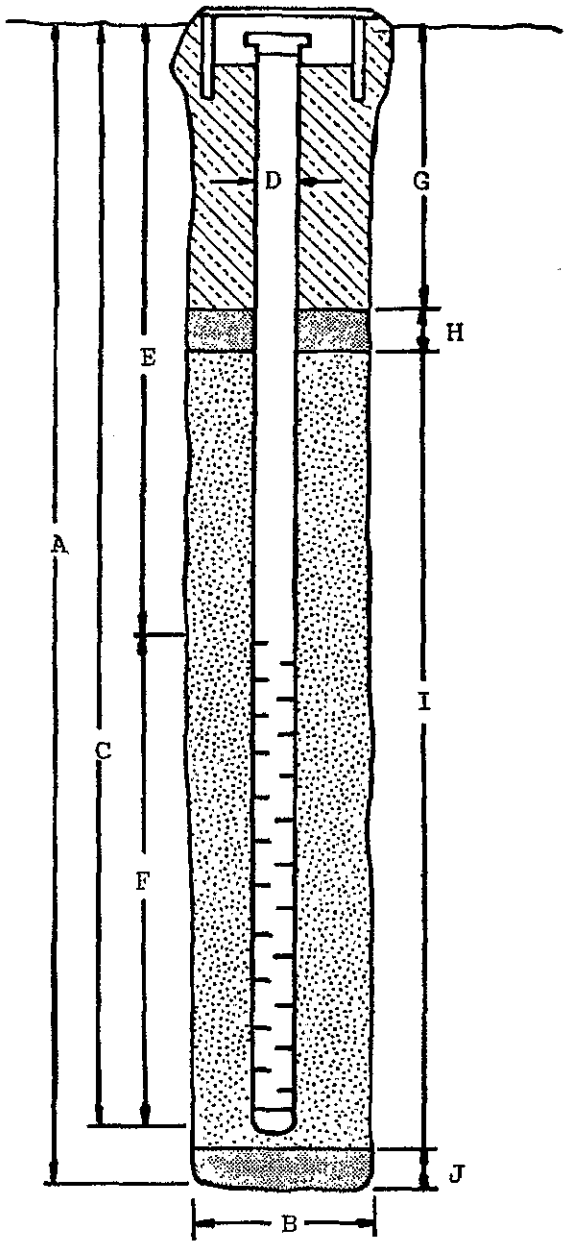
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal - Castro Valley BORING/WELL NO. MW2

PROJECT NUMBER: KEI-P89-1106

WELL PERMIT NO.:

Flush-mounted Well Cover



A. Total Depth: 30'

B. Boring Diameter*: 9"

Drilling Method: Hollow Stem Auger

C. Casing Length: 25'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375"

ID = 2.067"

E. Depth to Perforations: 5'

F. Perforated Length: 20'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 2'

Seal Material: Concrete

H. Seal: 2'

Seal Material: Bentonite

I. Gravel Pack: 26'

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: None

Seal Material: N/A

*Boring diameter can vary from 8-1/4" to 9" depending on bit wear.

3S/2W 9B3

BORING LOG

3082355C

Project No. KEI-P89-1106	**Boring & Casing Diameter** 9" 2"	**Logged By** D.L.
Project Name Unocal Castro Valley	**Well Head Elevation** N/A	**Date Drilled** 1/19/90
Boring No. MW3	**Drilling Method** Hollow-stem Auger	**Drilling Company** EGI

Penetration blows/6"	G. W. level	Depth (ft) Samples	Stratigraphy USCS	Description
		0		A.C. Pavement Sand and gravel: fill
				Silty clay, high plasticity, stiff, moist, very dark grayish brown, 5-10% sand.
10/17/22		5	CH	Gravelly clay, high plasticity, 5-10% silt, very stiff, moist, light olive brown.
20/21/24			GC	Clayey gravel with sand, very dense, moist to wet, olive brown, gravel is almost entirely shale.
23/28/33	▼	10		
18/30/23		15		Clayey gravel with sand, as above, ocasionally grading to gravelly clay, very stiff, moist, olive brown.
		20		

BORING LOG

308355C

Project No. KEI-P89-1106	Boring & Casing Diameter 9" 2"	Logged By D.L.
Project Name Unocal Castro Valley	Well Head Elevation N/A	Date Drilled 1/19/90
Boring No. MW3	Drilling Method Hollow-stem Auger	Drilling Company EGI

Penetration blows/6"	G. W. level	Depth (ft) Samples	Stratigraphy USCS	Description
				Clayey gravel with sand, as above, ocasionally grading to gravelly clay, as above.
		25		
		30		
		35		
		40		TOTAL DEPTH: 22'

30835SC

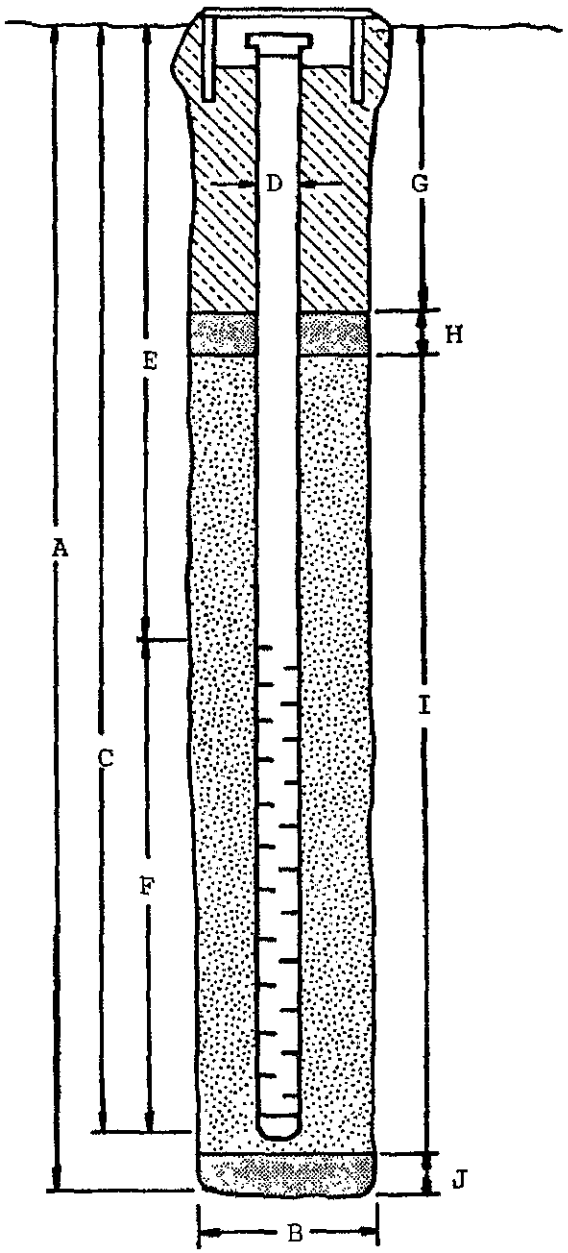
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal - Castro Valley BORING/WELL NO. MW3

PROJECT NUMBER: KEI-P89-1106

WELL PERMIT NO.:

Flush-mounted Well Cover



A. Total Depth: 22'

B. Boring Diameter*: 9"

Drilling Method: Hollow Stem Auger

C. Casing Length: 22'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375"

ID = 2.067"

E. Depth to Perforations: 5'

F. Perforated Length: 17'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 2'

Seal Material: Concrete

H. Seal: 18'

Seal Material: Bentonite

I. Gravel Pack:

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: None

Seal Material: N/A

*Boring diameter can vary from 8-1/4" to 9" depending on bit wear.

364638A 3S/2W 9B4

BORING LOG

Project No. KEI-P89-1106	Boring & Casing Diameter 9" 2"	Logged By W.W. DBB
Project Name Unocal-Castro Valley	Well Head Elevation N/A	Date Drilled 8/13/90
Boring No. MW4	Drilling Method Hollow-stem Auger	Drilling Company EGI

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Asphalt concrete over clayey sand and gravel base
			CH	Clay, trace to 5% coarse-grained sand trace of gravel to 1/2 inch dia. moist, hard, dark gray, 5% orangish brown banding
6/11/24		5	CL/CH	Clay, trace to 5% sand, trace to 10% caliche, light dive gray to greenish gray, moist, hard
				Bedrock
50	▼	10	N/A	Shale, moderately hard, fractured, very weathered, decomposed and clayey, wet below 10', olive brown
		15		
				Shale, moist, clayey, moderately hard, medium gray to olive gray
22/50-5"		20		

364638PA 35/2W 9B4

BORING LOG

Project No. KEI-P89-1106	Boring & Casing Diameter 9" 2"	Logged By W.W. DRB
Project Name Unocal-Castro Valley	Well Head Elevation N/A	Date Drilled 8/13/90
Boring No. MW4	Drilling Method Hollow-stem Auger	Drilling Company EGI

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
17/28/37		N/A		Clayey shale bedrock as above, moderately hard, moist, gray

25

30

35

40

TOTAL DEPTH DRILLED: 22'
TOTAL DEPTH SAMPLED: 23.5'

3S/2W 9B4

364638A

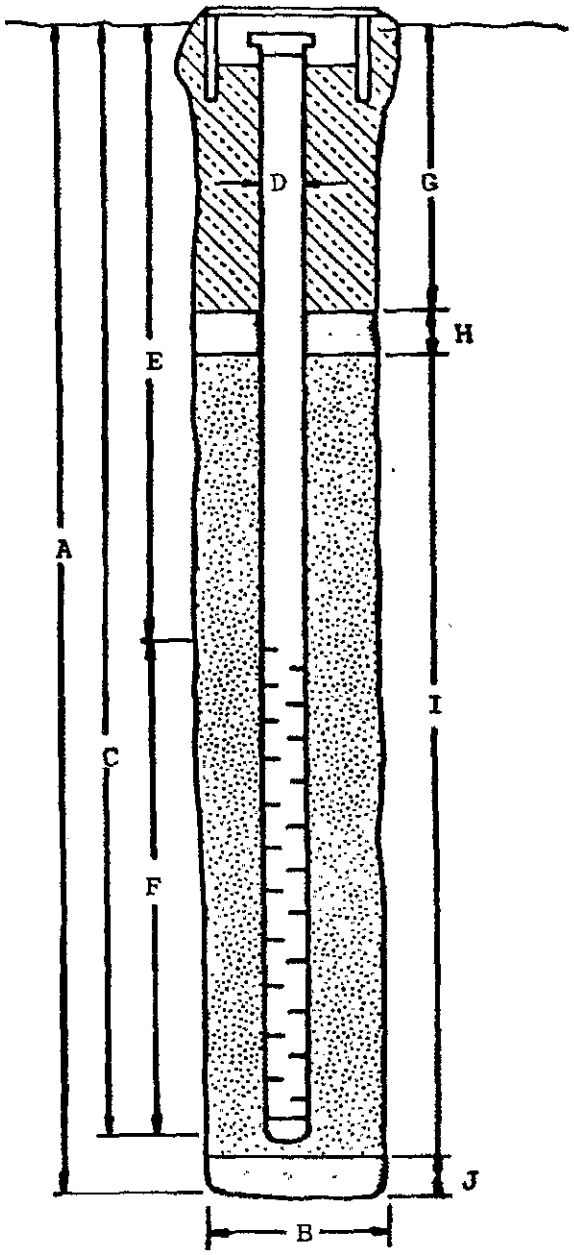
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal Castro Valley BORING/WELL NO. MW4

PROJECT NUMBER: KEI-P89-1106

WELL PERMIT NO.:

Flush-mounted Well Cover



A. Total Depth: 23.5'

B. Boring Diameter*: 9"

Drilling Method: Hollow Stem Auger

C. Casing Length: 21'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375" ID = 2.067"

E. Depth to Perforations: 6'

F. Perforated Length: 15'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 4'

Seal Material: Concrete

H. Seal: 18'

Seal Material: Bentonite

I. Gravel Pack: 17'

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: None

Seal Material: N/A

*Boring diameter can vary from 8-1/4" to 9" depending on bit wear.

364638B 3S/2W 9B5

BORING LOG

Project No.	Boring & Casing Diameter	Logged By
KEI-P89-1106	9" 2"	W.W. DRB
Project Name Unocal	**Well Head Elevation**	**Date Drilled**
Castro Valley	N/A	8/13/90
Boring No.	**Drilling Method** Hollow-stem Auger	**Drilling Company**
MW5		EGI

Penetration blows/6"	G. W. level	Depth (feet) Samples	Stratigraphy USCS	Description
		0		A.C. Pavement over clayey sand and and gravel base
				Clay with gravel, gravel angular to 1 1/8 dia., trace sand and caliche, moist, firm, greenish gray.
				Clay, trace sand, moist, firm, very dark gray.
			CL/CH	
7/14/15		5		Clay, trace fine sand, moist, very stiff, light olive gray to greenish gray trace to 10% caliche with nodules to 1/2 dia.
				Bedrock
50				Clayey shale, trace caliche(?), moist, olive gray, orangish brown, trace greenish gray (clay) highly weathered, decomposed
		10		
16/24/30			N/A	
				Clayey shale, trace organic matter, moist, olive gray to olive brown with trace of orange-brown, moderately hard, less weathered than above
36/40/45				
	▼			
35/50		15		
				Clayey shale, slightly weathered and decomposed, saturated, moderately hard, olive gray
40/50-5"		20		

364638B 3S/2W 9B5

BORING LOG

Project No. KEI-P89-1106	Boring & Casing Diameter 9" 2"	Logged By W.W. DRB
Project Name Unocal Castro Valley	Well Head Elevation N/A	Date Drilled 8/13/90
Boring No. MW5	Drilling Method Hollow-stem Auger	Drilling Company EGI

Penetration blows/6"	G. W. level	Depth (feet) Samples	Stratigraphy USCS	Description
15/28/32		25 30 35 40	N/A	Shale, as above, very moist less weathered than above, clay in fract-fractures, moderately hard, gray. TOTAL DEPTH: 24'

3S/2W 9B5

364638B

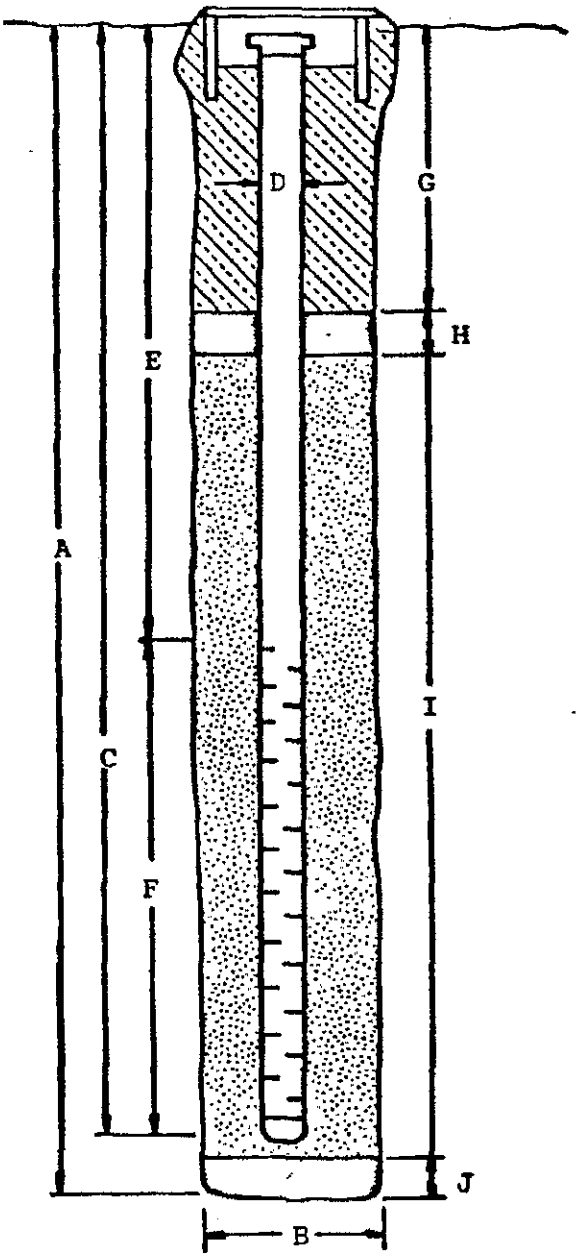
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal-Castro Valley 2445 C.V. Blvd. BORING/WELL NO. MW5

PROJECT NUMBER: KEI-P89-1106

WELL PERMIT NO.:

Flush-mounted Well Cover



A. Total Depth: 24'

B. Boring Diameter*: 9"

Drilling Method: Hollow Stem Auger

C. Casing Length: 23.5'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375"

ID = 2.067"

E. Depth to Perforations: 8.5'

F. Perforated Length: 15'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 6.5'

Seal Material: Concrete

H. Seal: 1'

Seal Material: Bentonite

I. Gravel Pack: 16.5'

Pack Material: RMC Lonestar Sand

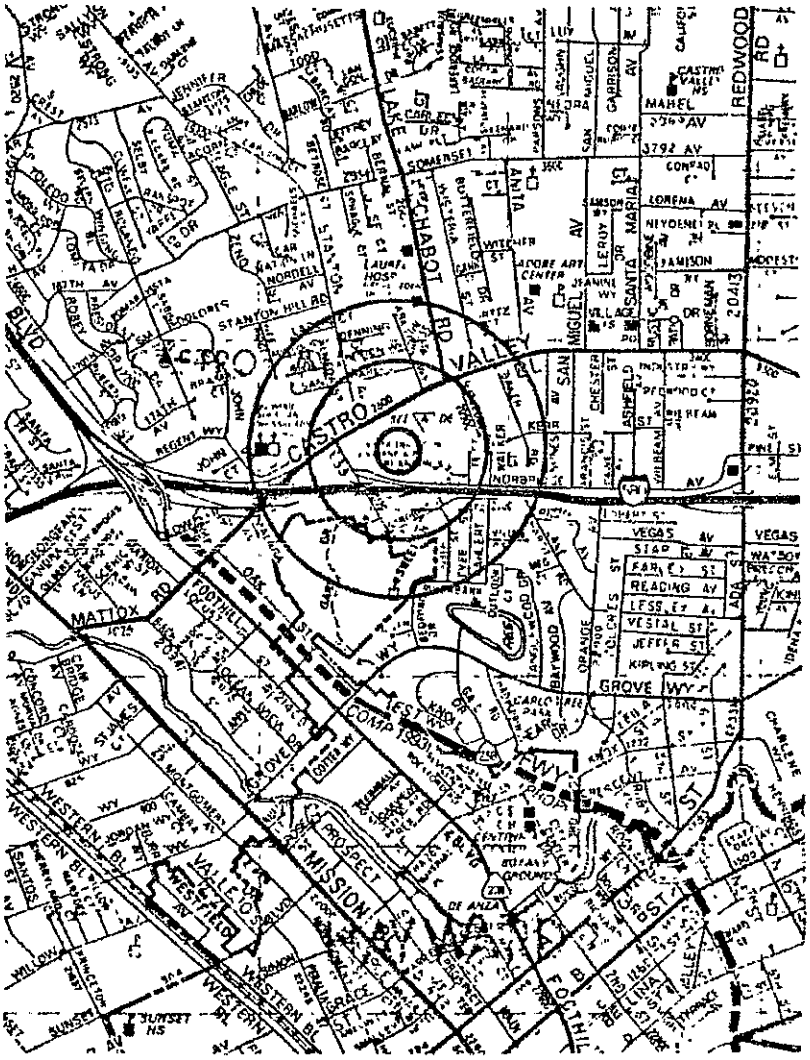
Size: #3

J. Bottom Seal: None

Seal Material: N/A

*Boring diameter can vary from 8-1/4" to 9" depending on bit wear.

01-513Z 03S 02W 09B06



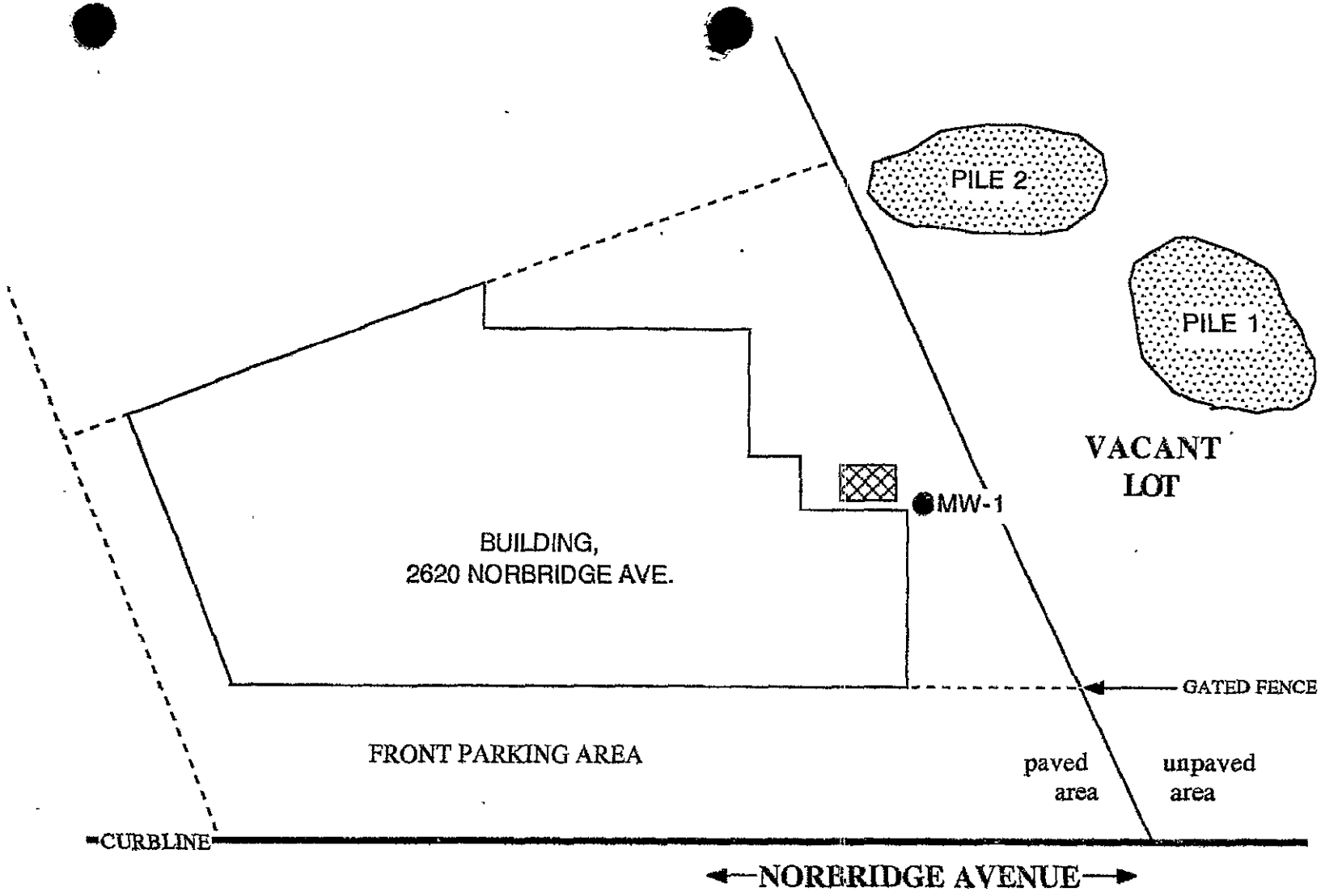
denotes site location

N

Figure 1
Site Location Map
2620 Norbridge Ave.,
Castro Valley, Ca.

Aqua Science Engineers, Inc.
(510) 685-6700
1 inch = approx. 2,200 feet
after Thomas Bros., 1988

permit 92001 C57 487000



AQUA SCIENCE ENGINEERS
Facility & Site Layout Diagram
CLARK'S WOODWORKING 2620 Norbridge Ave. Castro Valley, CA
FIGURE TWO

APPROX.
SCALE : 1"=20'

N

- FORMER TANK LOCATION

- SOIL BORING LOCATION, DESIGNATION

61-513 N

035 MW 09806 14

01-513 Z 035 02W 07BOG M

PROJECT: 2620 Norbridge Ave., Castro Valley

LOG OF BORING #MW-1 sheet 1 of 2

DEPTH FEET	SOILS/ROCK DESCRIPTION	GRAPHIC LOG	BACKFILL DETAILS	REMARKS
0				
1	6" concrete clay, dk. gray-black, silty 10-20%, sandy v. fine <10%, damp, (CL)		concrete	no odors
2				
3	3' color change to olive tan			
4				
5	claystone, olive tan and rusty mottled, silty 20-30%, sandy v. fine <10%, weakly bedded, mod. fractured			soil sample 5-6.5' slight fuel odors
6				
7				
8				
9				
10	claystone, olive gray and rusty tan mottled, silty 10-20%, sandy v. fine <10%, friable, dry		cement/bentonite grout	soil sample 10-11.5' slight odors
11				
12				
13				
14				
15				
16				soil sample 15-16.5 no odors
17				
18				
19				
20	claystone, dk. gray, silty 10-20%, sandy v. fine <10%, friable, hard, dry			soil sample 20-21' no odors
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31	claystone, as above			sample 30' refusal
32				
33				
34				
35				

Logged by: G. Gouvea Date Logged: 1-2-92
Rig/Driller: B-61, Randy

AQUA SCIENCE ENGINEERS, INC.

01-513Z

35/2W-9B6

PROJECT: 2620 Norbridge Ave., Castro Valley

LOG OF BORING #MW-1 sheet 2 of 2

DEPTH FEET	SOILS/ROCK DESCRIPTION	GRAPHIC LOG	BACKFILL DETAILS	REMARKS
35-	claystone, as above		cement/bentonite grout	
36-				
37-				
38-				
39-				
40-				
41-				
42-				
43-				
44-				
45-				
46-				
47-				
48-				
49-				
50-				
51-	claystone, dk. gray, silty 10-20%, sandy <10%, weakly bedded, fractured, hard, dry			
52-	Bottom of Hole 52.5'			sample 52-52.5' no odors
53-				
54-				
55-				
56-				
57-				
58-				
59-				
60-				
61-				
62-				
63-				
64-				
65-				
66-				
67-				
68-				
69-				
70-				

Logged by: G. Gouvea Date Logged: 1-2 to 1-10
Rig/Driller: B-61 Randy

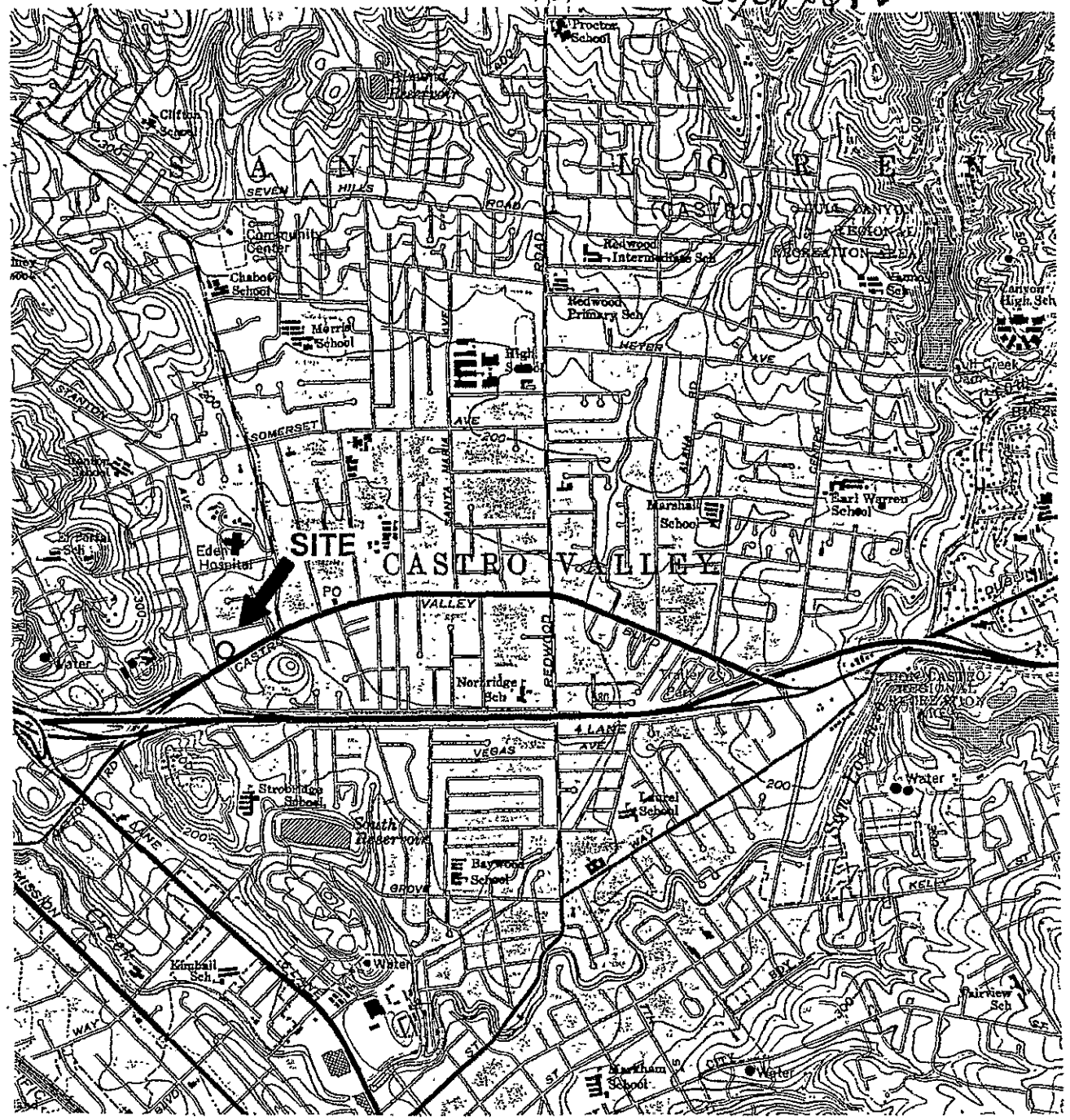
AQUA SCIENCE ENGINEERS, INC.

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

01-350A ✓ INV. ✓ 08052 Post/1992
AP. ✓ 35/2W&01 ✓



A PORTION OF THE U.S.G.S. HAYWARD 7.5' QUADRANGLE

LOCATION MAP
THRIFTY OIL STATION NO. 054
CASTRO VALLEY, CALIFORNIA
Prepared for
THRIFTY OIL COMPANY
DOWNEY, CALIFORNIA

N

0 2000 4000
SCALE IN FEET

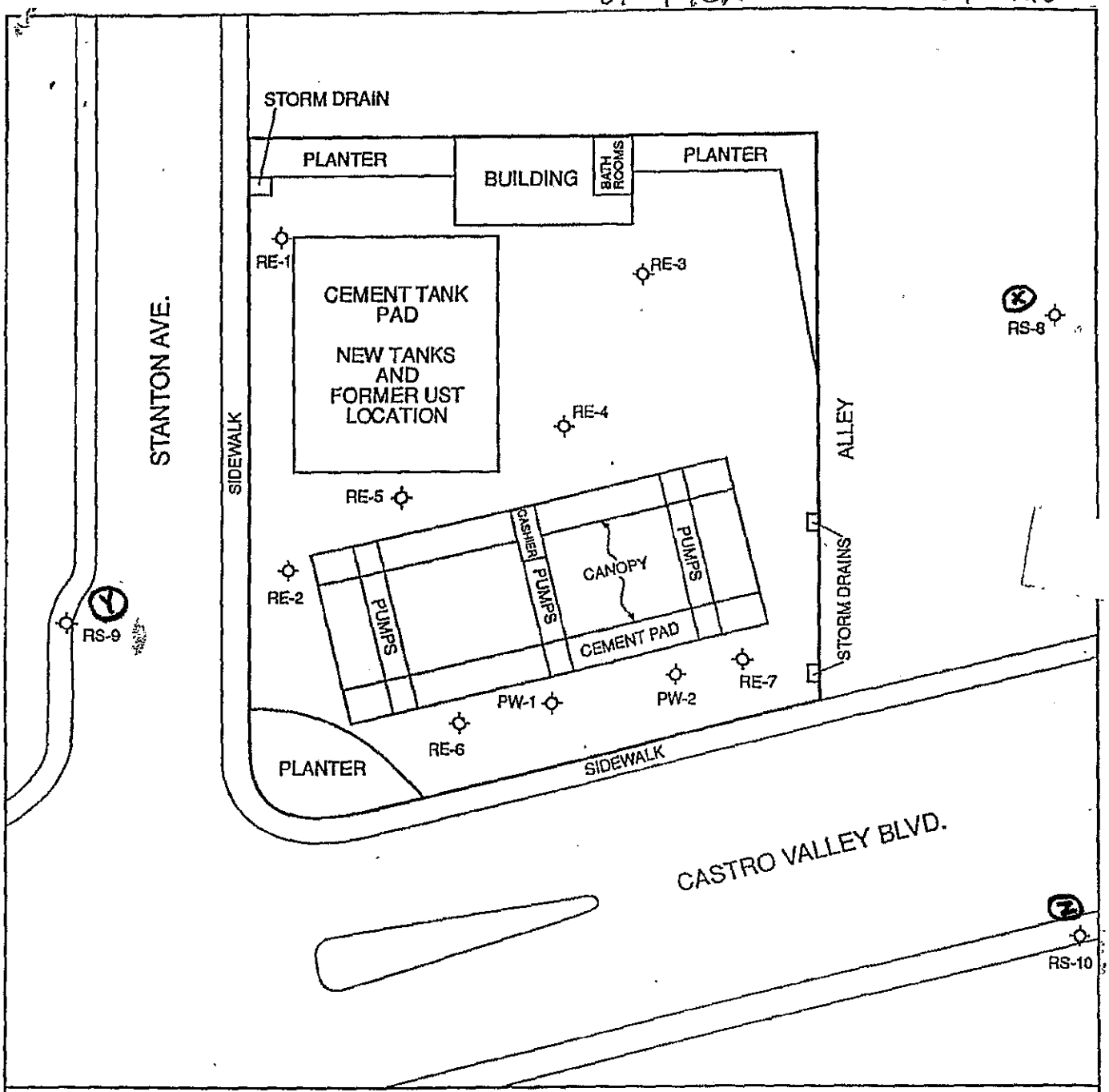
OWNER: THRIFTY OIL COMPANY
ADDRESS: 2507 CASTRO VALLEY BLVD.
CASTRO VALLEY

RE&A
Santa Barbara
California

Figure 1

DRILLER: BEYLIK DRILLING Co.

01-496X 3S/2W4Q8



SITE PLAN II

THRIFTY OIL CO. #054
CASTRO VALLEY, CALIFORNIA
Prepared for
THRIFTY OIL CO.
DOWNEY, CALIFORNIA

C57 482390
PERMIT 91171
phone: 805-644-5892

0 25 50
SCALE IN FEET

N

EXISTING MONITORING WELL

#880052 01-350A 3S/2W-7Q1 INV.✓ MJ✓

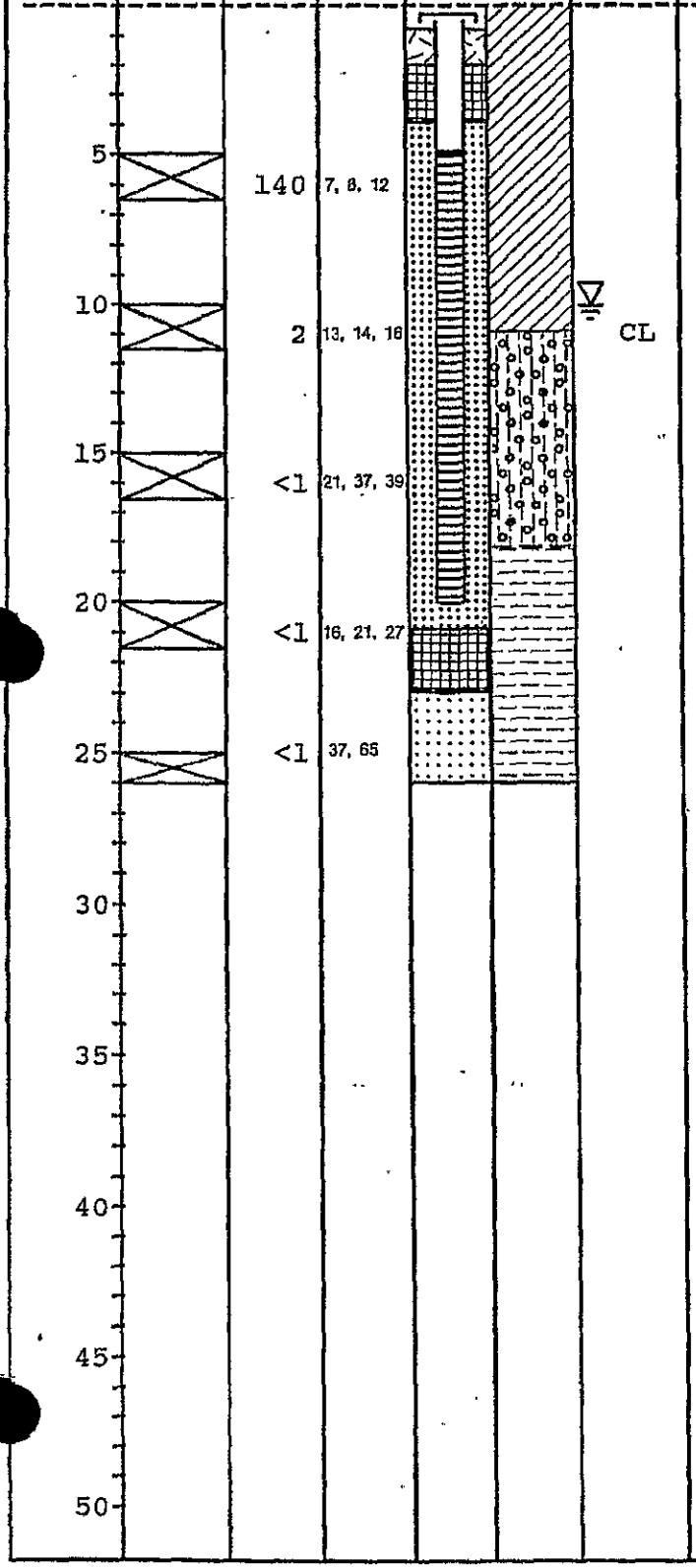
THRIFTY OIL COMPANY MONITORING WELL LOG DATE:2-15-88

054 Castro Valley CA 2504 Castro Valley Logged By:DD

Drilling Contractor:BEYLIK DRILLING COMPANY Rig Type:HOLLOW STEM AUGER

Time Started:1:11 Boring/Well #:RE-1 Elevation:

Sampling Method:DRIVE Casing Size:4" Screen Type:PVC Filter Pack:#3 SAND



SOIL DESCRIPTION AND NOTES

GRAY CLAY WITH GRAVEL, MOIST, STRONG HYDROCARBON ODOR.

MOTTLED BROWN AND GRAY CLAY WITH GRAVEL AT BASE, WET, SLIGHT HYDROCARBON ODOR.

LIGHT BROWN SLIGHTLY GRAVELLY (SHALE) CLAY, MOIST - NOT WET, NO HYDROCARBON ODOR.

BLACK WEATHERED SHALE, DRY, NO HYDROCARBON ODOR.

BLACK CLAY WITH SHALE, MOIST, NO HYDROCARBON ODOR.

TD AT 26 FEET. 2-15-88

GROUNDWATER AT 10 FEET

Diane K Henry R.G. 4342

*BLOWS PER HALF FOOT

RE&A

#880052 01-350B 3S/2W7Q2

THRIFTY OIL COMPANY MONITORING WELL LOG DATE:2-16-88

054 Castro Valley CA 2504 Castro Valley Logged By:DD

Drilling Contractor:BEYLIK DRILLING COMPANY Rig Type:HOLLOW STEM AUGER

Time Started:9:30 Boring/Well #:RE-2 Elevation:

Sampling Method:DRIVE Casing Size:4" Screen Type:PVC Filter Pack:#3 SAND

DEPTH (FEET)	SAMP INT	PID ppm	BPF*	WELL DETAILS	USCS	SOIL DESCRIPTION AND NOTES
5		7	4, 16, 14		CL	GRAY-GREEN CLAY WITH SOME GRAVEL, VERY MOIST, SLIGHT HYDROCARBON ODOR.
10		110	13, 19, 18		CL	GREEN GRAVELLY (QUARTZITE) CLAY, VERY MOIST, STRONG HYDROCARBON ODOR.
						PERCHED GROUNDWATER.
15		50	8, 18, 37			GREEN CLAY, MOIST, WITH EVAPORITE CRYSTALS, VERY SLIGHT HYDROCARBON ODOR REFUSAL AT 17 FEET ON GRAVELLY CLAYEY SHALE WITH PLAGIOCLASE VEINS.
20						T.D. AT 17 FEET.
						GROUNDWATER AT APPROXIMATELY 13 FEET. 2-16-88
25						
30						
35						
40						
45						
50						

Diane K Klein RG 4342

*BLOWS PER HALF FOOT

RE&A

#RP0052 01-3502 35/2W#Q3

THRIFTY OIL COMPANY MONITORING WELL LOG DATE:2-14-88

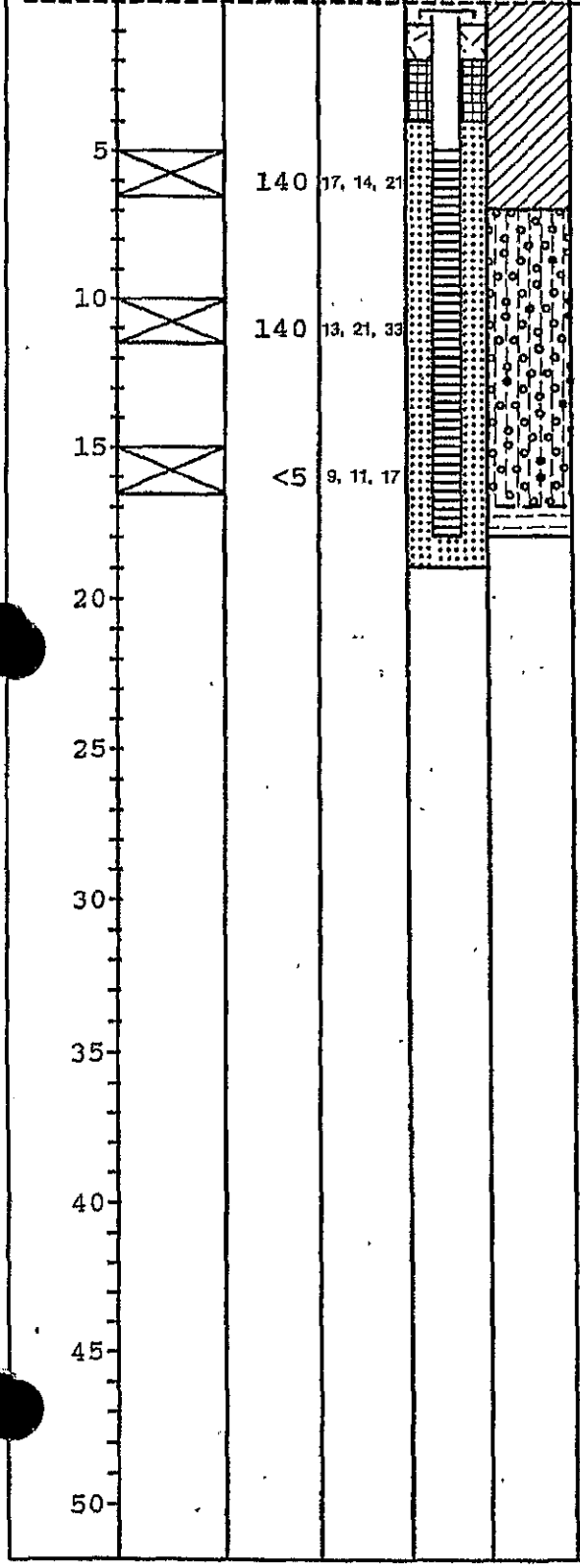
INV. ✓ KP. ✓

054 Castro Valley CA 2504 Castro Valley Logged By:DD

Drilling Contractor:BEYLIK DRILLING COMPANY Rig Type:HOLLOW STEM AUGER

Time Started:12:30 Boring/Well #:RE-3 Elevation:

Sampling Method:DRIVE Casing Size:4" Screen Type:PVC Filter Pack:#3 SAND



SOIL DESCRIPTION AND NOTES

ASPHALT
DARK GRAY-BLACK CLAY WITH WOOD, FILL MATERIAL.

BLACK ORGANIC CLAY, VERY MOIST, STRONG HYDROCARBON ODOR.

GREEN-BROWN GRAVELLY CLAY, WEATHERED QUARTZITE GRAVEL WITH SAND AND CLAY, CLUMPS, MOIST, STRONG HYDROCARBON ODOR

DARK OLIVE-BROWN GRAVELLY CLAY, GRAVEL IS SHALE, WITH SAND, ROOTS, MOIST, NO HYDROCARBON ODOR.
REFUSAL ON SHALE BEDROCK.

T.D. AT 19 FEET.

NO GROUNDWATER 2-14-88.

NOTE: AFTER WAITING OVERNIGHT, THE BORING (NOT SET AS A WELL YET) HAD WATER AT APPROXIMATELY 7 FEET. THE BORING WAS THEN REAMED, AND A 4 INCH WATER WELL WAS BUILT 2-15-88.

Diane K Gray R.G. 4342

*BLOWS PER HALF FOOT

RE&A

#SS052 01-350D 3S/2W 19Q

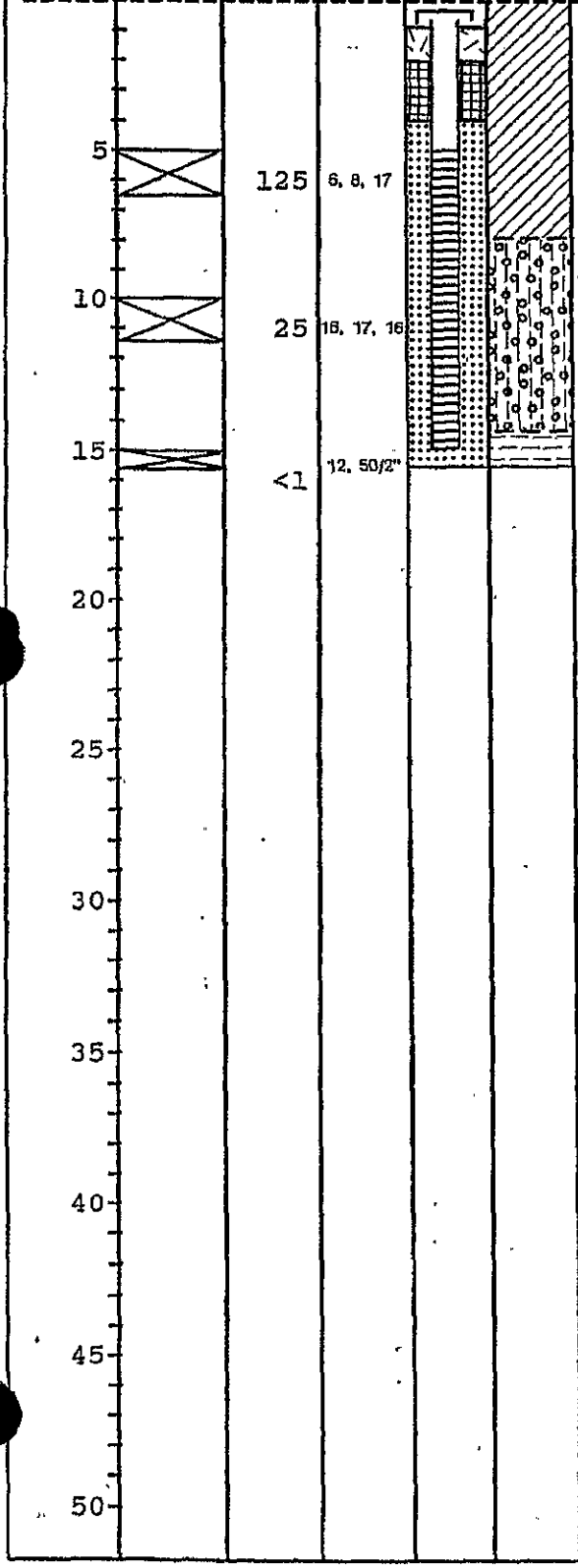
THRIFTY OIL COMPANY MONITORING WELL LOG DATE:2-14-88

054 Castro Valley CA 2504 Castro Valley Logged By:DD

Drilling Contractor:BEYLIK DRILLING COMPANY Rig Type:HOLLOW STEM AUGER

Time Started:2:00 Boring/Well #:RE-4 Elevation:

Sampling Method:DRIVE Casing Size:4" Screen Type:PVC Filter Pack:#3 SAND



GREEN GRAVELLY CLAY OVER BLACK CLAY, VERY MOIST, STRONG HYDROCARBON ODOR.

GREEN GRAVELLY CLAY, WET, MODERATE HYDROCARBON ODOR.

REFUSAL ON WEATHERED SHALE. SAMPLE IS GRAVELLY (SHALE) CLAY, WET, OVER DRY SHALE BEDROCK.

T.D. AT 15.5 FEET.

GROUNDWATER AT 10 FEET
2-16-88

Diane K Henry R.G. 4342

*BLOWS PER HALF FOOT

RE&A

#RR052 01-350E 3S/2W 7QS

THRIFTY OIL COMPANY MONITORING WELL LOG DATE:2-17-88

054 Castro Valley CA 2504 Castro Valley Logged By:DD

Drilling Contractor:BEYLIK DRILLING COMPANY Rig Type:HOLLOW STEM AUGER

Time Started:7:40 Boring/Well #:RE-5 Elevation:

Sampling Method:DRIVE Casing Size:4" Screen Type:PVC Filter Pack:#3 SAND

DEPTH (FEET)	SAMP INT	PID ppm	BPF*	WELL DETAILS	USCS	SOIL DESCRIPTION AND NOTES
5		130	7, 12, 19			GREEN AND GRAY CLAY WITH GRAVEL (SANDSTONE) AT TOP, VERY MOIST, MODERATE HYDROCARBON ODOR.
10		120	12, 15, 21		CL	GREEN-BROWN CLAY WITH SOME GRAVELS AND WHITE EVAPORITE DEPOSITS, VERY MOIST, STRONG HYDROCARBON ODOR.
15		4	22, 43, 49			GREEN-BROWN WEATHERED SHALE, NO HYDROCARBON ODOR, WET.
20			50/6"			GREEN-BROWN SHALE, REFUSAL.
						T.D. AT 20.5 FEET.
						GROUNDWATER AT 10 FEET 2-17-88
25						
30						
35						
40						
45						
50						

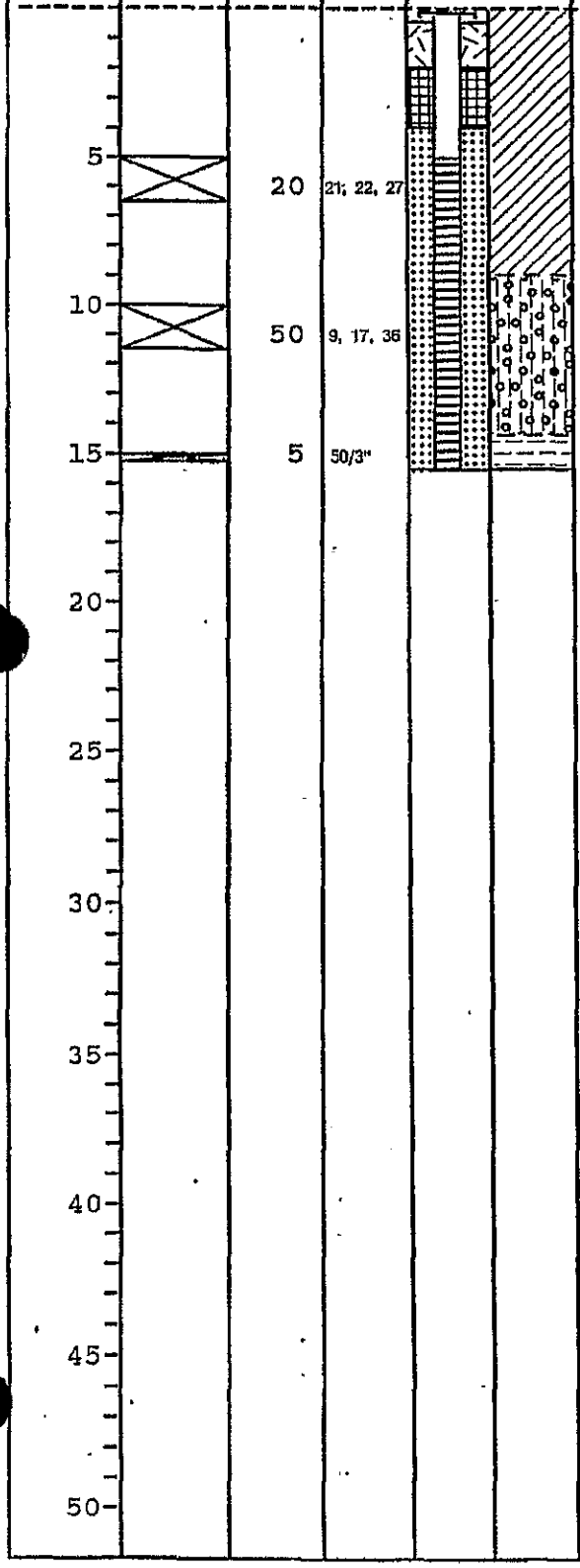
Deane K. Jenner R.G. 4342

*BLOWS PER HALF FOOT

RE&A

#SS052 01-350F 3S/2W4Q6 INV. ✓ 10. ✓

THRIFTY OIL COMPANY MONITORING WELL LOG DATE:2-17-88
054 Castro Valley CA 2504 Castro Valley Logged By:DD
Drilling Contractor:BEYLIK DRILLING COMPANY Rig Type:HOLLOW STEM AUGER
Time Started:1:10 Boring/Well #:RE-6 Elevation:
Sampling Method:DRIVE Casing Size:4" Screen Type:PVC Filter Pack:#3 SAND



GRAY CLAY WITH WHITE EVAPORITE DEPOSITS, VERY MOIST, NO HYDROCARBON ODOR.

MOTTLED GRAY AND GREEN-BROWN GRAVELLY CLAY WITH EVAPORITE DEPOSITS, MORE GRAVEL AT BASE, VERY MOIST, NO HYDROCARBON ODOR.

SHALE - REFUSAL.

T.D. AT 15 FEET.

NO GROUNDWATER FOUND DURING DRILLING 2-17-88.

*AFTER BUILDING THE WELL AND WAITING SEVERAL HOURS, GROUNDWATER FILLED THE WELL TO 8 FEET.

Diane K Henry P.G. 4342

*BLOWS PER HALF FOOT

RE&A

#889052 01-3509 3S/2W-19Q

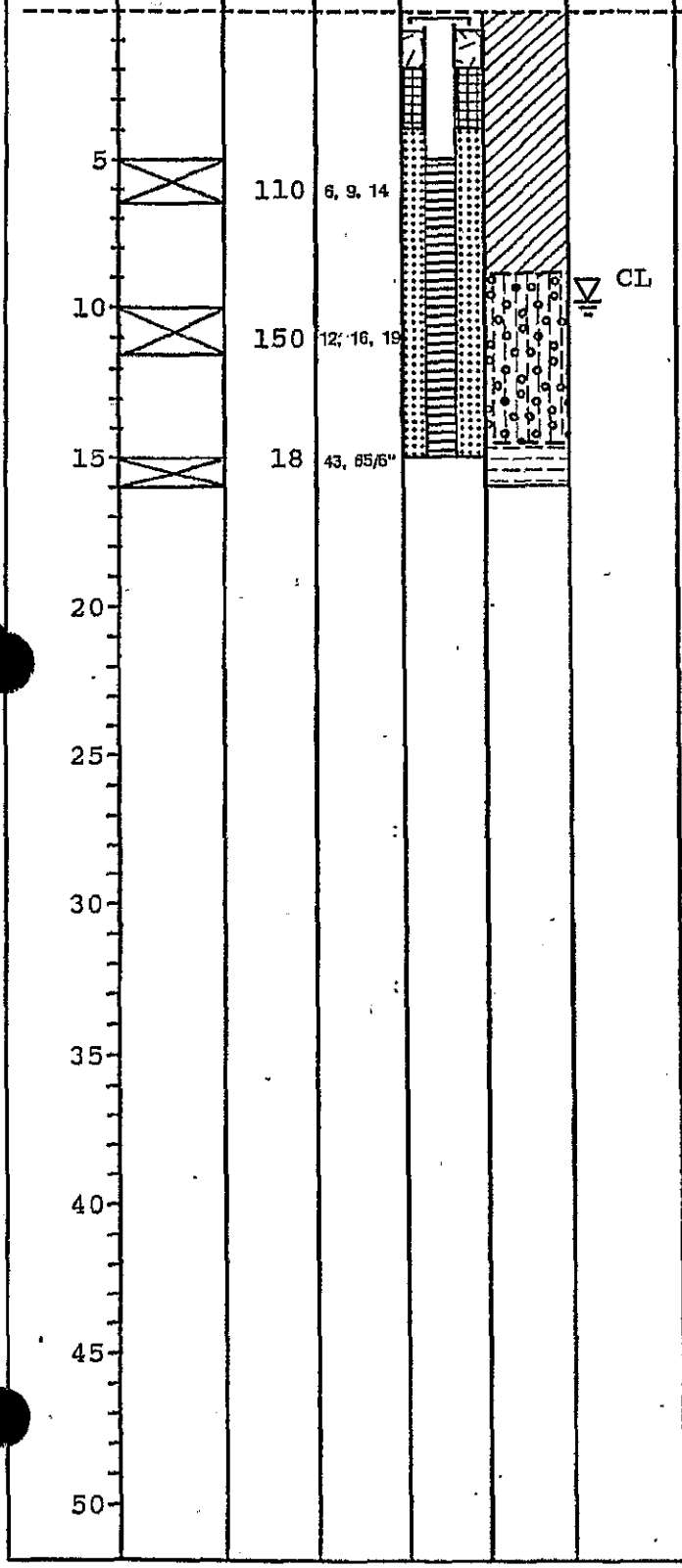
THRIFTY OIL COMPANY MONITORING WELL LOG DATE: 2-17-88

054 Castro Valley CA 2504 Castro Valley Logged By: DD

Drilling Contractor: BEYLIK DRILLING COMPANY Rig Type: HOLLOW STEM AUGER

Time Started: 10:00 Boring/Well #: RE-7 Elevation:

Sampling Method: DRIVE Casing Size: 4" Screen Type: PVC Filter Pack: #3 SAND



BLACK CLAY OVER GREEN CLAY WITH EVAPORITE DEPOSITS, VERY MOIST, STRONG HYDROCARBON ODOR.

GREEN GRAVELLY (SHALE) AND CLAY, WET, STRONG HYDROCARBON ODOR.

SHALE - REFUSAL.

T.D. AT 15 FEET.

GROUNDWATER AT 10 FEET 2-17-88

Diane K Henry R.G. 4342

*BLOWS PER HALF FOOT

RE&A

01-496X
3S/2W 4Q8

Sheet 1 of 1

THRIFTY OIL CO. STATION #054
Castro Valley, CA
Date: 5/8/91
Time Started/Finished: 9:54/12:30
Sampling Method: Split Spoon
Rig Type: B-53
Drilling Contractor: Kvilhaugh

BORING/MONITORING WELL: RS-8
Logged By: WJW
Casing Size & Type: 2" PVC
Screen Size & Type: 2" PVC; 0.010" Slots
Filter Pack: #2 Sand
Traffic Cover Elevation:
Datum/Reference: Note: PID reading unreliable

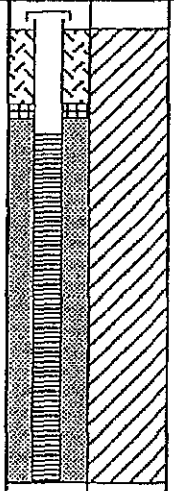
DEPTH (FEET)	SAMPLE INT.	PID ppm	BLOWS PER HALF FOOT	WELL DETAILS	USCS	SOIL DESCRIPTION AND NOTES
5	X	55	5, 7, 20		ML	SILT AND CLAY, TAN, WITH COARSE GRAINED SAND, DRY, NO ODOR OR STAIN. (8" SAMPLE CAUGHT)
10	X	55	6, 8, 10		CL	CLAY, TAN WITH GRAY AND BLACK MOTTLING, SOME PEBBLES, MOIST, VERY STIFF, NO ODOR OR STAIN. (12" SAMPLE)
15	X	150	10, 18, 35		CL	CLAY AND SILT, BROWN WITH GRAY AND BLACK MOTTLING, CRYSTALLINE ROCKS WITH 1" TO 2" PEBBLES OF HIGHLY INDURATED SILTSTONE, STIFF, MOIST, NO ODOR OR STAIN.
20	X	<1.0	30, 55, --		ML	SILTSTONE, HIGHLY INDURATED, NO CRYSTALLINE PEBBLES, VERY SLOW HARD DRILLING.
25		--			ML	TD 25 FEET.
						SET WELL, 0.5 HOUR LATER 0.5" WATER IN WELL.

01-496 Y
3S/2W 4Q9

Sheet 1 of 1

THRIFTY OIL CO. STATION #054
Castro Valley, CA
Date: 5/8/91
Time Started/Finished: 12:40/1:55
Sampling Method: Split Spoon
Rig Type: B-53
Drilling Contractor: Kvilhaugh

BORING/MONITORING WELL: RS-9
Logged By: WJW
Casing Size & Type: 2" PVC
Screen Size & Type: 2" PVC; 0.010" Slots
Filter Pack: #2 Sand
Traffic Cover Elevation:
Datum/Reference:

DEPTH (FEET)	SAMPLE INT.	PID ppm	BLOWS PER HALF FOOT	WELL DETAILS	USCS	SOIL DESCRIPTION AND NOTES
0						TOP 2' DARK BLACK CLAY.
5	X	100	7, 14, 14		CL	CLAY, GRAY-GREEN WITH BLACK STREAKS, FEW PEBBLES, STIFF, MOIST, SOME HYDROCARBON ODOR.
10	X	10	5, 7, 9		CL	SAME AS ABOVE, BUT MORE AND LARGER PEBBLES, ORANGE STAIN, SOME HYDROCARBON ODOR.
15		—	55, –, –			3" SAMPLE, PEBBLES, DRY, STRONG ODOR ON SAMPLER.
						TD 15 FEET.
						EVIDENCE OF WATER AT 12-13 FEET.
20						
25						
30						
35						
40						
45						

01-496 Z
3S/2W 4Q10

Sheet 1 of 1

THRIFTY OIL CO. STATION #054
Castro Valley, CA
Date: 5/8/91
Time Started/Finished: 2:15/4:50
Sampling Method: Split Spoon
Rig Type: B-53
Drilling Contractor: Kvilhaugh

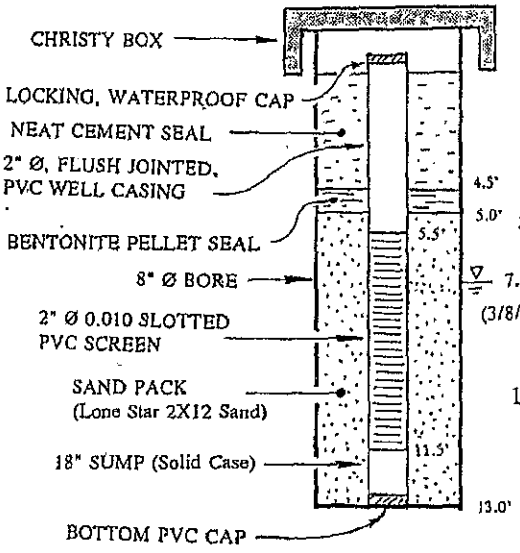
BORING/MONITORING WELL: RS-10
Logged By: WJW
Casing Size & Type: 2" PVC
Screen Size & Type: 2" PVC; 0.010" Slots
Filter Pack: #2 Sand
Traffic Cover Elevation:
Datum/Reference:

DEPTH (FEET)	SAMPLE INT.	PID ppm	BLOWS PER HALF FOOT	WELL DETAILS	USCS	SOIL DESCRIPTION AND NOTES
0						
5	X	<1.0	3, 5, 8		CL	CLAY, BLACK, SOME PEBBLES, STIFF, MOIST, NO ODOR, ONE SANDY CLAY STRINGER. (12" SAMPLE)
10		<1.0	7, 10, 12		CL	CLAY, BROWN WITH ORANGE AND BLACK MOTTLING, PEBBLES (ANGULAR), MOIST, NO ODOR. (5" SAMPLE)
15		—	25, 54, –		ML	SILTSTONE, HIGHLY INDURATED, BROWN. (3" SAMPLE)
20		—	10, 17, 20		ML	SAME AS ABOVE, BLACK. (4" SAMPLE)
25		—	20, 20, 35		ML	SAME AS ABOVE, BLACK. (5" SAMPLE) TD 25 FEET.
30						
35						
40						
45						

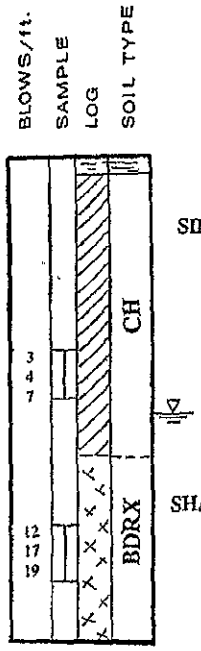
PCI

01-498 3S/2W 4Q11

WELL CONSTRUCTION DETAILS



BORING LOG



DESCRIPTION

4" Asphalt and Base.

SILTY CLAY: High Plasticity, brownish black; very moist.

Gray brown at 5'.

Drilling harder and drier at 8'

SHALE: Hard; dark gray with dark brown staining on fractures; dry with slight moisture on fractures at 10' depth.

Slow drilling and dry cuttings to 13'.

Boring Terminated at 13.0' in shale 2/13/91. Free groundwater not evident at time of drilling, but perched water measured at 7.01' on 3/8/91, after rains.

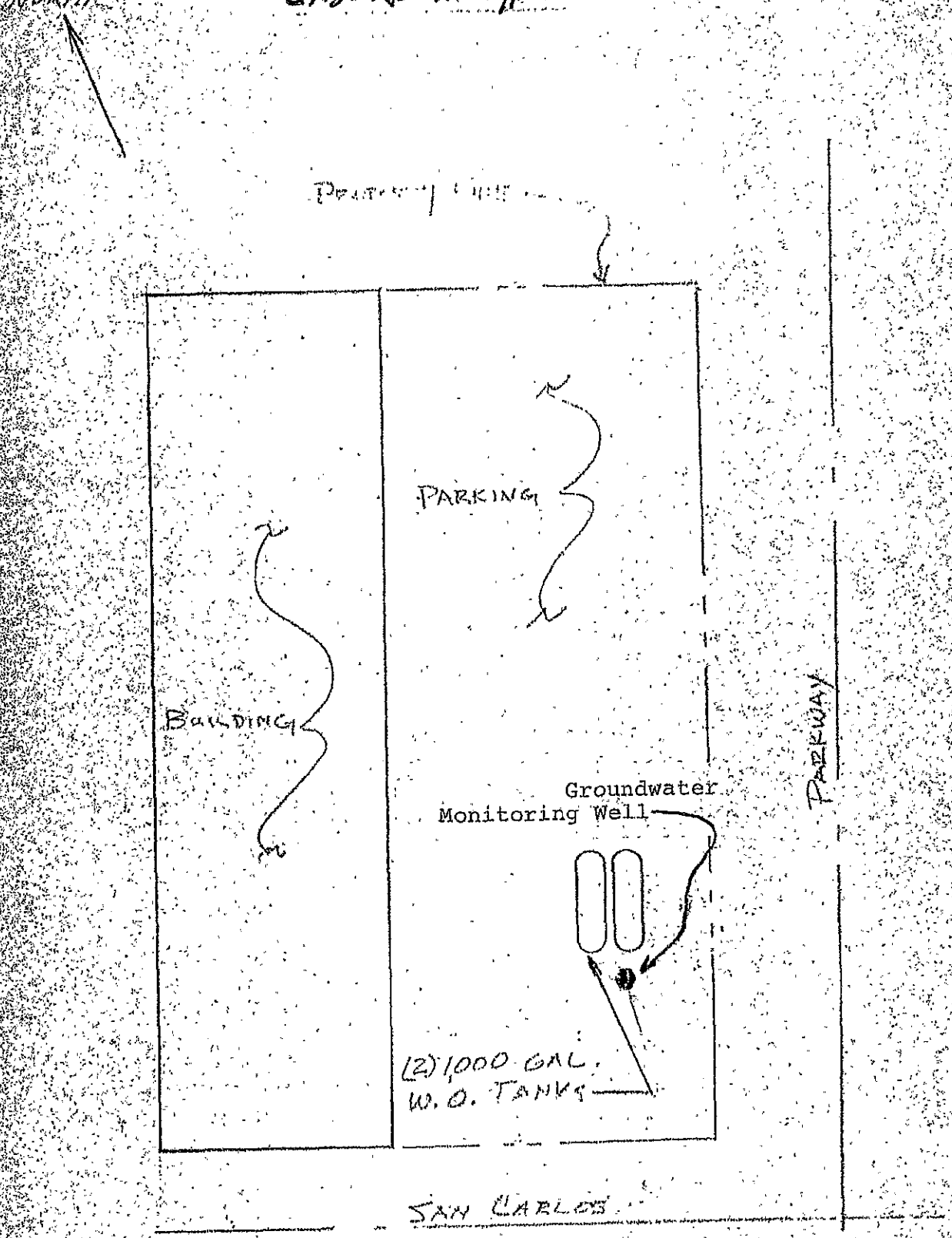
REGISTERED GEOLOGIST
LOUIS A. RICHARDSON
No. EG 1015
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

CASTRO VALLEY AUTOHAUS Castro Valley, CA		BORING AND MONITORING WELL LOG	
LOUIS A. RICHARDSON Consulting Engineering Geologist	PROJECT NO. 463.45	DATE March 1991	DRAWING NO. —

phone 408-683-4254 Lic # 57-384167
HEW-963

01-498 3/5/2004

CASTRO VALLEY AUTO HAUS
20697 PARKWAY
CASTRO VALLEY, CA

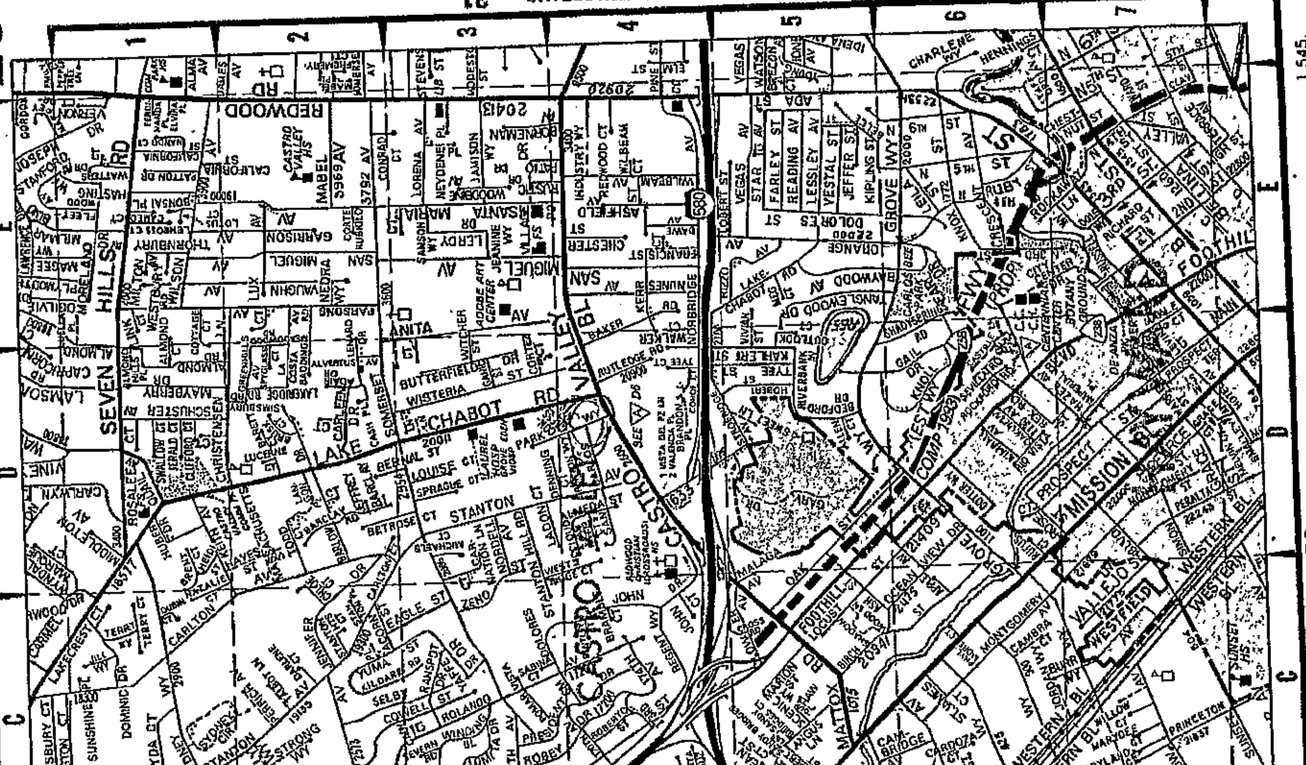


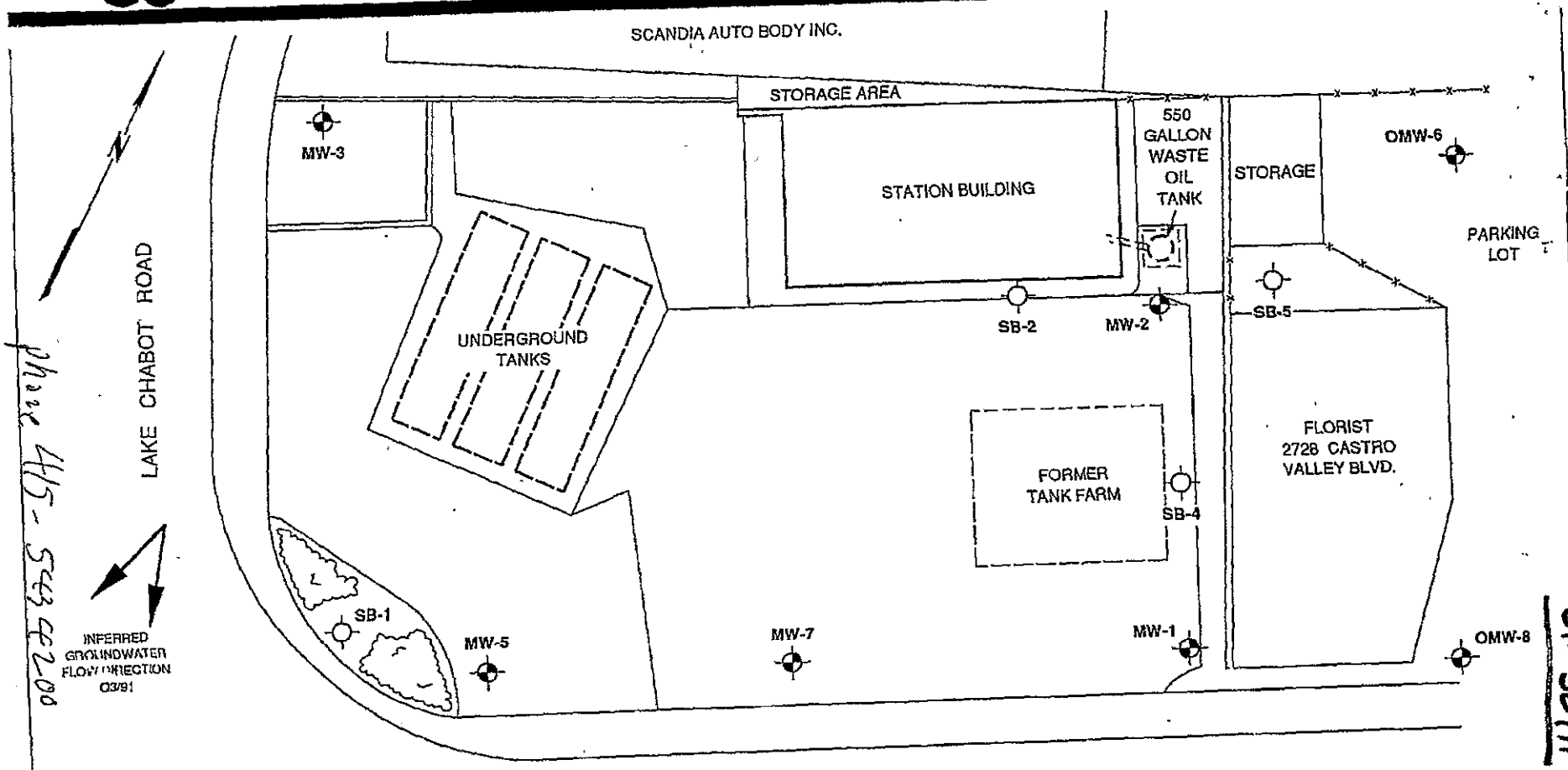
NOTES: NO UNDERGROUND UTILITIES
DEPTH TO GROUNDWATER 15'

SCALE 1"=20'

D & D MANAGEMENT
CONSULTANTS

01-498 35/2W4Q11





LEGEND

MW-1 ⊕ GROUNDWATER MONITORING WELL

SB-1 ⊕ SOIL BORING

Base Map: Surveyed with electronic distance meter by CEW, 1990.

PLOT PLAN

SHELL OIL COMPANY
2724 Castro Valley Boulevard
Castro Valley, California

Converse Environmental West

Scale	AS SHOWN
Project No.	88-44-380-20
Prepared by	LQL
Date	9/6/91
Checked by	DS
Drawing No.	2
WIC Number	204-1381-0407

01-4475

TABLE 6. WELL INSTALLATION INFORMATION

Shell Oil Company Facility
2724 Castro Valley Road
Castro Valley, California

Well No.	Date Installed	Well Diameter (inches)	Total Depth of Well (ft bgs)	Screened Interval (ft bgs)	Bentonite Seal Interval (ft bgs)	Grout Seal Interval (ft bgs)
MW-1	1/18/90	4	16	6 to 16	4 to 6	0 to 4
MW-2	1/19/90	4	15	5 to 15	3 to 4	0 to 3
MW-3	1/19/90	4	25	5 to 25	3 to 4	0 to 3
MW-5	1/22/90	4	23	9 to 23	6 to 8	0 to 6

NOTES:

ft bgs feet below ground surface
CEW Converse Environmental West

3S/2W 4R1

LOG OF BORING NO. MW-1

01-447S

DATE DRILLED: 1/18/90 | EL.: | WL TAKEN: n/a | EQUIPMENT: 3 3/4"x 8" / 8"x 12" H.S.A.

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	WELL CONSTRUCTION	BLOWS/6IN.	O.V.M. (ppm)	T.P.H. (ppm)
							0.2' GRAVEL BASEROCK. (Fill)				
				moist	medium	dark brown	Silty CLAY and GRAVEL.				
5	1			moist	medium dense	light brown	Silty CLAY, some Gravel. CL		4 5		
	2			wet		light brown			2 2 2		
10	S			wet		dark gray	Silty CLAY, trace coarse Sand. CL		5 10		
	S			wet		light brown	Fn to med SAND, tr CLAY. SP/SC -- grading into --		16 23		
	S			wet			Coarse SAND, trace fines. SP		18 19		
				s moist	dense	lt brn	Silty CLAY, tr coarse Sand. CL		23		
15	S			dry	dense	dark gray	Fractured SHALE, little fines. (Top of bedrock.) SH		35 49 30		
	S			dry	dense		Silty CLAY, trace Gravel. CL		50		
				dry	dense		Fract. SHALE, little fns. SH		42		
				dry	dense	drk gry	Silty CLAY, trace ravel. CL		50/4"		
	S			dry	dense	dark gray	Fractured SHALE, trace fines. Increasing fines. SH		32 32 45 50/5"		
20	S			dry	m dense	drk gry	Silty CLAY, with Shale fragments. CL		20 26		

CERTIFIED ENGINEERING GEOLOGIST
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SHELL OIL COMPANY
2724 Castro Valley Boulevard
Castro Valley, California

Project No.
88-44-380-01

Converse Environmental West

Drawing No.
A-2

3S/2W 4R2

01-447T

LOG OF BORING NO. MW-2

DATE DRILLED: 1/19/90	EL:	WL TAKEN: n/a	EQUIPMENT: 3 3/4"x 8" / 8"x 12" H.S.A.

DEPTH	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION		WELL CONSTRUCTION	BLOWS/6IN.	O.V.M. (ppm)	T.P.H. (ppm)
				moist	stiff	rust brown	Silty CLAY, little medium to coarse Sand.	CL				
							Coarse SAND and GRAVEL. (Fill)	GP				
				moist	stiff	light brown	Silty CLAY, little coarse Sand.	CL				
	1			moist		light brown	Silty CLAY, little coarse Sand.	CL		18 19		
5												
	2			very moist	medium	light brown	Silty CLAY, trace coarse Sand.	CL		2 3		
				- - - -	- - - -	- - - -	- - - - - - - - - - - - - - - -					
							Blocky SHALE, 2-3 inch fragments. (Top of Bedrock)	SH				
	3			dry						26		
				moist	hard	lt brn	4" lens Silty CLAY, trace Gravel.	CL		50/3"		
15							Blocky SHALE, 2-3 inch fragments, with matrix of Silty Clay.	SH				
	4			dry	very stiff	dark brown				13 33		
20												

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SHELL OIL COMPANY
2724 Castro Valley Boulevard
Castro Valley, California

Project No.
88-44-380-01

Converse Environmental West

Drawing No.
A-4

LOG OF BORING NO. MW-2

01-447T

continued - page 2

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	WELL CONSTRUCTION	BLOWS/6IN.	O.V.H. (ppm)	T.P.H. (ppm)
				dry	dark gray	dark gray	Blocky SHALE, SH with matrix of Silty Clay.				
	5			dry	dark gray	dark gray	Fractured SHALE, SH 1/2-1 inch fragments.		50/5"		
25							Total Depth of Boring: 25 ft Below Ground Surface. Screen Slot Size: 0.020 in. Filter Pack: 2/12 sand.				
30											
35											
40											

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SHELL OIL COMPANY
2724 Castro Valley Boulevard
Castro Valley, California

Project No.
88-44-380-01

Converse Environmental West

Drawing No.
A-5

3S/2W 4R3

01-447U

LOG OF BORING NO. MW-3

DATE DRILLED: 1/19/90	EL:	WL TAKEN: n/a	EQUIPMENT: 3 3/4"x 8" / 8"x 12" H.S.A.

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	WELL CONSTRUCTION	BLOWS/6IN.	O.V.M. (ppm)	T.P.H. (ppm)
							1.0' EXCAVATION				
				moist	medium	black	Silty CLAY. CL				
5	1			moist	medium	black, mottled rust	Silty CLAY. CL		4 5		
	2			moist	medium	dark gray, rust mottled	Silty CLAY, some Shale fragments. CL/SH		2 8		
							(Top of Bedrock)				
15	3			dry	dense to hard	dark gray, stained	Fractured SHALE, trace Silty CLAY. SH		26 50/4"		
20	S						Highly fractured SHALE, CL/SH with Silty Clay matrix.		9 16		

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SHELL OIL COMPANY
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Castro Valley, California

Project No.
88-44-380-01

Converse Environmental West

Drawing No.
A-6

LOG OF BORING NO. MW-3 01-447U

continued - page 2

DEPTH	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	WELL CONSTRUCTION	BLOWS/6IN.	O.V.H. (ppm)	T.P.H. (ppm)
							Highly fractured SHALE, CL/SH with Silty Clay matrix.				
				- - - -		- - - -	- - - - - - - - - - - - - - - - -				
	S			dry	very hard	dark gray	Blocky Shale, 2-3" pieces. SH		40/1"		
25							Total Depth of Boring: 25 ft Below Ground Surface.				
							Screen Slot Size: 0.020 in. Filter Pack: 2/12 sand.				
35											
40											

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SHELL OIL COMPANY
2724 Castro Valley Boulevard
Castro Valley, California

Project No.
88-44-380-01

Converse Environmental West

Drawing No.
A-7

3S/2W 4R4

LOG OF BORING NO. MW-5

01-447 V

DATE DRILLED: 1/22/90 | EL: | WL TAKEN: n/a | EQUIPMENT: 3 3/4"x 8" / 8"x 12" H.S.A.

DEPTH	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION		WELL CONSTRUCTION	BLOWS/6IN.	O.V.M. (ppm)	T.P.H. (ppm)
							CERTIFIED ENGINEERING GEOLOGIST MICHAEL C. CAREY C.E.G. 1351 STATE OF CALIFORNIA					
	1			moist	soft	black	Silty CLAY.	CL		4 5		
5												
	2	▽		moist	stiff	mottled olive and gray	Silty CLAY, little Shaley Gravel.	CL		8 17		
							Increase in Gravel. Gravel pieces 1/2-1" dia.					
	3			moist	stiff	light brown	Silty CLAY and Shaley GRAVEL.	CL		12 15		
15												
				- - - -	- - - -	- - - -	Approximate top of bedrock.					
	4			slightly moist	stiff	dark gray	Silty CLAY and Shaley GRAVEL.	CL		12 15		
20												

SHELL OIL COMPANY
2724 Castro Valley Boulevard
Castro Valley, California

Project No.
88-44-380-01

Converse Environmental West

Drawing No.
A-10

35/2W-4R4

01-447V

LOG OF BORING NO. MW-5

continued - page 2

DEPTH	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	WELL CONSTRUCTION	BLOWS/6IN.	O.V.H. (ppm)	T.P.H. (ppm)
				slightly moist	very stiff	dark gray	Silty CLAY and Shaley GRAVEL. CL				
							Increasing Shale.				
25	5			dry	hard	dark gray	Fractured SHALE, trace Silty Clay. SH		50/4"		
							Total Depth of Boring: 25 ft Below Ground Surface.				
							Screen Slot Size: 0.020 in. Filter Pack: 2/12 sand.				
35											
40											

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SHELL OIL COMPANY
2724 Castro Valley Boulevard
Castro Valley, California

Project No.
88-44-380-01

Converse Environmental West

Drawing No.
A-11

01-5071
3S/2W-4R1L

LOG OF BORING NO. OMW-6

Start: *7/8/91* Completion: *7/8/91* Water Measure: *7/16/91*	Geologist: *C. Brown* Assistant Geol.: *D. Siegel* Drilling Co.: *ADT*	Diller/Helper: *N/A* Drilling Method: *Hollow Stem Auger* Auger/Bit Dia.: *8" x 3.75" - 13" x 7.25"*

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	WELL CONSTRUCT.	DESCRIPTION		MOISTURE	SOIL CONSISTENCY OR ROCK HARDNESS	COLOR	BLOWS / 6"	PERCENT RECOVERY
					Asphalt = 2.5", Rock Base = 4"						
					Sandy Clay with Rock fragment	CL	moist	stiff	yellow black		
									dark gray		
5	1				Silty Clay	CL	moist to very moist		gray with trace rust mottle	4 7 3 6	
	2				Silty Clay with trace Sand				light brown with gray mottle	8 10	
	3	▼			Sandy Clay, little gravel-sized Rock fragments	CL	moist	stiff	yellow brown	6 9	
10								very stiff		8 20	
	4				Highly fractured and weathered Shale with Clayey seams	SH	slightly moist to dry	medium hard	gray brown	38 18	
15	5									50/3"	
20											

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SHELL OIL COMPANY
2724 Castro Valley Boulevard
Castro Valley, California

Project No.
88-44-380-20

Converse Environmental West

Drawing No.
B-4

01-507H
3S/2W-4R11

LOG OF BORING NO. OMW-6

Continued - Page 2

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	WELL CONSTRUCT.	DESCRIPTION	MOISTURE	CONSISTENCY	COLOR	BLOWS / 6"	PERCENT RECOVERY
					Highly fractured and weathered Shale with Clayey seams SH	slightly moist to dry	medium hard	gray brown		
25					Total Depth of Boring: 23 ft. Casing: Blank 4" ID Sch. 40 PVC Screen: Slotted 4" ID Sch. 40 PVC, 0.020" slots Filter Pack: 2/12 sand					
30										
35										
40										

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SHELL OIL COMPANY
2724 Castro Valley Boulevard
Castro Valley, California

Project No.
88-44-380-20

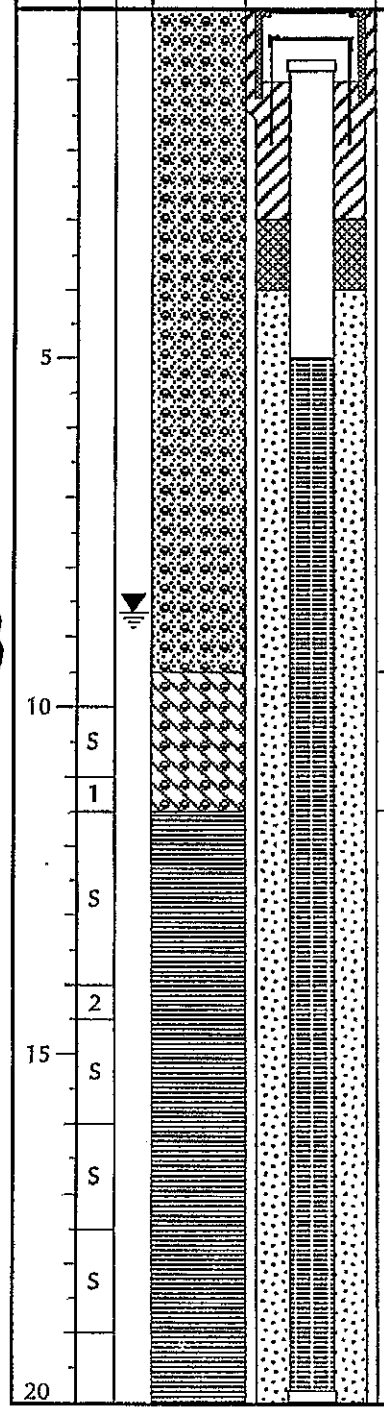
Converse Environmental West

Drawing No.
B-5

01-507 I
3S/2W-4R12

LOG OF BORING NO. MW-7

Start: *7/8/91*	Geologist: *D. Siegel*	Driller/Helper: *N/A*
Completion: *7/8/91*	Assistant Geol.: *N/A*	Drilling Method: *Hollow Stem Auger*
Water Measure: *7/16/91*	Drilling Co.: *ADT*	Auger/Bit Dia.: *8" x 3.75" - 12" x 8.25"*



DESCRIPTION	MOISTURE	SOIL CONSISTENCY OR ROCK HARDNESS	COLOR	BLOWS / 6"	PERCENT RECOVERY
Sandy Gravel (fill) Backfilled former tank excavation					
Gravelly Clay	wet		brown		
Weathered Shale with thin bed of wet Clayey Gravel SH	moist	very soft	blue gray and brown		
Fractured Shale			blue gray		

REGISTERED GEOLOGIST
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No. 5038
STATE OF CALIFORNIA

Total Depth of Boring: 20 ft.

Casing: Blank 4" ID Sch. 40 PVC
Screen: Slotted 4" ID Sch. 40 PVC, 0.020" slots
Filter Pack: 2/12 sand

SHELL OIL COMPANY
2724 Castro Valley Boulevard
Castro Valley, California

Project No.
88-44-380-20

Drawing No.
B-6

Converse Environmental West

01-502J
5S/2W-4R13

LOG OF BORING NO. OMW-8

Start: *7/8/91*	Geologist: *C. Brown*	Diller/Helper: *N/A*
Completion: *7/8/91*	Assistant Geol.: *D. Siegel*	Drilling Method: *Hollow Stem Auger*
Water Measure: *7/16/91*	Drilling Co.: *ADT*	Auger/Bit Dia.: *8" x 3.75" - 12" x 8.25"*

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	WELL CONSTRUCT.	DESCRIPTION		MOISTURE	SOIL CONSISTENCY OR ROCK HARDNESS	COLOR	BLOWS / 6"	PERCENT RECOVERY
					Asphalt = 3", Rock base = 3"						
					Sandy Clay with Rock fragments (fill)	CL	moist	stiff	yellow brown		
					Silty Clay, trace fine Sand	CL	slightly moist		dark brown		
					slight increase in Sand				brown		
5	1								mottle brown with gray	4 6 8	
	2									14 18 20	
		▼			Sandy Clay, trace to little pea Gravel	CL		stiff	gray brown		
	3									18 23	
10					Shale highly fractured	SH		very		18	
	4				with Silty Clay lenses			soft		30 44 45	
	5									37	
15										50/2"	
	6									80/3"	
20											

REGISTERED GEOLOGIST
GERARD L. SLATTERY
No. 5038
STATE OF CALIFORNIA

SHELL OIL COMPANY
2724 Castro Valley Boulevard
Castro Valley, California

Project No.
88-44-380-20

Converse Environmental West

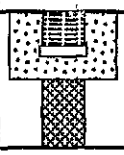
Drawing No.
B-7

01-507J

LOG OF BORING NO. OMW-8

Continued - Page 2

3S/2W-4R13

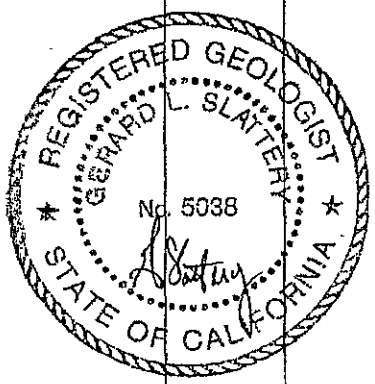
DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	WELL CONSTRUCT.	DESCRIPTION	MOISTURE	SOIL CONSISTENCY OR ROCK HARDNESS	COLOR	BLOWS / 6"	PERCENT RECOVERY
					Shale highly fractured with Silty Clay lens SH	slightly moist	stiff	gray brown		
					Total Depth of Boring: 22 ft. Casing: Blank 4" ID Sch. 40 PVC Screen: Slotted 4" ID Sch. 40 PVC, 0.020" slots Filter Pack: 2/12 sand					

25

30

35

40



SHELL OIL COMPANY
2724 Castro Valley Boulevard
Castro Valley, California

Project No.
88-44-380-20

Converse Environmental West

Drawing No.
B-8

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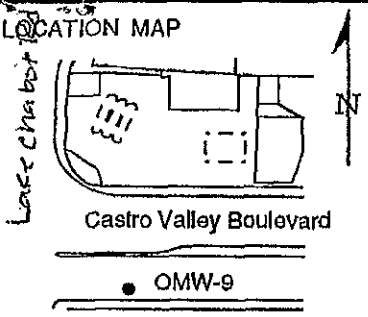
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

2 of 2 398048 3S/2W-4R17

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. OMW-9
PAGE 1 OF 1

PROJECT NO. 305-94.01
LOGGED BY: AW
DRILLER: GREGG
DRILLING METHOD: HSA
SAMPLING METHOD: CSS
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2 X 12 SAND

CLIENT: SHELL
DATE DRILLED: 2-11-93
LOCATION: Castro Valley
HOLE DIAMETER: 10"
HOLE DEPTH: 15'
WELL DIAMETER: 3"
WELL DEPTH: 14'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
CEMENT				1				ASPHALT AND ROAD BASE.
				2			CL	CLAY: dark reddish brown; trace very fine to fine sand; trace coarse sand; iron oxide staining; very stiff; no product odor.
				3				
				4				
	Mst	1.6	30	5				@5': as above.
				6				
SAND				7				
				8				
BENTONITE				9			SC-ML	CLAYEY SAND to SILT: brown; fractured angular rock fragments in a clayey matrix; weathered bedrock; 30-40% fines; trace very fine to fine sand; medium to coarse sand; medium dense; no product odor.
	Mst-Wt	0.2	15	10				
				11				
				12				
				13				
				14			BR	BEDROCK: gray franciscan.
				15				BOTTOM OF BORING AT 15'
				16				
				17				
				18				
				19				
				20				
				21				
				22				

398048

3S/2W-4R17

~~305-94.01~~
305-94.01

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE ♦ PLEASANTON, CALIFORNIA 94588 ♦ (415) 484-2600

GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 2724 Castro Valley Bl.
@ Lake Chabot
Castro Valley, Ca

CLIENT
Name Shell Oil Co.
Address PO Box 5278 Phone
City Concord Zip 94520

APPLICANT
Name Pacific Environmental Group, Inc.
Address 2025 Gateway #440 Phone 408 441-7500
City San Jose Zip 95110

TYPE OF PROJECT

Construction		Geotechnical Investigation	
Cathodic Protection	___	General	___
Water Supply	___	Contamination	___
Monitoring	✓	Well Destruction	___

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger ✓
Cable ___ Other ___

DRILLER'S LICENSE NO. C57- 485165

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 3 in. Depth 25 ft.
Surface Seal Depth 5 ft. Number (1) OMW-9

GEOTECHNICAL PROJECTS
Number of Borings ___ Maximum
Hole Diameter ___ in. Depth ___ ft.

ESTIMATED STARTING DATE 1-28-93
ESTIMATED COMPLETION DATE 1-28-93

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] Date 1-15-93

FOR OFFICE USE

PERMIT NUMBER 93035
LOCATION NUMBER ___

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as arrive at the Zone 7 office five days prior proposed starting date.
2. Submit to Zone 7 within 60 days after completi of permitted work the original Department Water Resources Water Well Drillers Report equivalent for well projects, or drilling lo and location sketch for geotechnical projects.
3. Permit is void if project not begun within 9 days of approval date.

(B.) WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal an industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth specially approved. Minimum seal depth to monitoring wells is the maximum depth practicabl or 20 feet.

C. GEOTECHNICAL. Backfill bore hole with compacted cut tings or heavy bentonite and upper two feet with com pacted material. In areas of known or suspecte contamination, tremied cement grout shall be used place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concret placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 22 Jan 93
Wyman Hong

121989

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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