TRC
Customer-Focused Solutions

January 15, 2007 Project No. 41-0236-11

Alameda County Health Care Services
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

ATTN: MR. STEVEN PLUNKETT

SITE: FUEL LEAK CASE NO. RO0000123
QUIK STOP #56
3132 BEAUMONT AVENUE
OAKLAND, CALIFORNIA

RE: SOIL & GROUNDWATER INVESTIGATION REPORT

Dear Mr. Plunkett:

Please find attached the Soil & Groundwater Investigation Report for the Quik Stop Market #56 Site located at 3132 Beaumont Avenue in Oakland, California. This submittal is provided pursuant to your request, dated June 1, 2006.

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

Should you have further questions regarding this report, please call me at (925) 688-2473.

Sincerely,
TRC

Jonathan Scheiner, PhD
Senior Project Manager

Attachment

cc: Mr. Mike Karvelot, Quik Stop Markets Inc.

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SOIL & GROUNDWATER INVESTIGATION REPORT

Fuel Leak Case No. RO0000123
Quik Stop Station #56
3132 Beaumont Avenue
Oakland, California

Prepared For:

Quik Stop Markets, Inc.

By:

TRC
1590 Solano Way, Suite A
Concord, California 94520

January 2007

SOIL & GROUNDWATER INVESTIGATION REPORT

Fuel Leak Case No. RO0000123
Quik Stop Station #56
3132 Beaumont Avenue
Oakland, California

TRC Project No. 41-0236-11

Prepared For:

Quick Stop Markets, Inc.

Prepared by:

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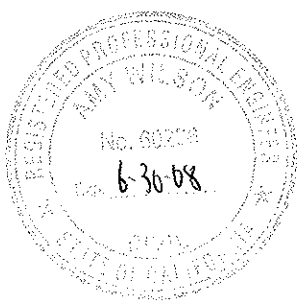

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1.0 INTRODUCTION

On behalf of Quik Stop Markets Incorporated (Quik Stop), TRC submits this Soil & Groundwater Investigation Report for Fuel Leak Case No. RO0000123, Quik Stop Station No. 56 located at 3132 Beaumont Avenue, in Oakland, California (Figure 1). This work is being performed pursuant to TRC's Revised Amended Site Assessment Work Plan dated November 10, 2005, and technical comments provided by the Alameda County Health Care Services, Environmental Health (ACEH) in a letter dated June 1, 2006.

The principal objectives of this investigation were to advance 9 direct push borings, denoted B-1 through B-9, to further characterize groundwater conditions – particularly in offsite areas. At each location, two co-located borings were advanced. The first boring at each location utilized Cone Penetration Test (CPT) technology to better define subsurface lithology and determine the potential presence of multiple water bearing zones. The second boring at each location utilized a truck-mounted direct push rig for the collection of soil samples and grab groundwater samples to define potential offsite hydrocarbon contamination. Analytical results are summarized in Tables 1 and 2, respectively.

Departures from the scope of work, as stated above, included the following elements:

- Borings B-3 and B-9 were not advanced due to access and equipment limitations (See Section 4.2).
- The location of Boring B-5 was moved approximately 25 feet to the northwest to accommodate traffic patterns in the area.
- A CPT rig was not used to advance Boring B-6, due to equipment limitations. The boring was advanced using a truck-mounted direct push rig. Soils were logged in accordance with the Unified Soil Classification System (ASTM D-2487).

2.0 SITE DESCRIPTION

The Site is currently operated as a Quik Stop Market convenience store/gasoline service station, and is surrounded by three city streets: Beaumont Avenue, 14th Avenue and East 31st Street (Figure 2). Most of the surrounding land use is residential, consisting of apartment and single-family buildings. The Alameda County Medical Center is located approximately 300 feet to the southwest on Beaumont Avenue.

2.1 Geology and Hydrogeology

The Site is situated at an elevation of approximately 140 feet above mean sea level, with topography generally sloping to the southwest. The Site is located in the eastern part of the San Francisco Bay area, and is underlain by Quaternary (Pleistocene) alluvium (ACFCD, 1993). This alluvium consists of coalescing alluvial fans, and estuarine and marine deposits. These deposits are heterogeneous inter-fingering layers of clayey gravel, sandy silty clay, and various

clay-silt-sand mixtures, having a maximum thickness of approximately 200 feet beneath the Site. Soil types beneath the Site consist of silty and sandy clays from the surface to a depth of approximately 13 fbg, silty sand or clayey silt from approximately 13 to 25 fbg, and silty clay from approximately 25 to 33 fbg.

The Site is located in the East Bay Plain Groundwater Basin, Oakland Upland and Alluvial Plain Subarea (DWR, 1975; ACFCD, 1993). Regionally, shallow groundwater occurs in numerous small, discontinuous aquifers within the unconsolidated Quaternary alluvium (Godfrey, 1995), and generally flows to the southwest toward the San Francisco Bay (ACPWA, 1999). The local depth to shallow, confined groundwater is between 20 and 21 fbg. Groundwater beneath the Site historically flows to the southwest with an average hydraulic gradient of approximately 0.10 ft/ft.

3.0 SITE HISTORY

September 1998: Two 10,000-gallon steel gasoline underground storage tanks (USTs) were excavated, removed from the Site, and replaced with two 12,000-gallon double-walled, fiberglass USTs. During the upgrade activities, approximately 792 cubic yards of soil were excavated to remove impacted soil and accommodate the new orientation of the USTs. Excavated soil was transported under manifest to Forward Landfill in Manteca, California for disposal (Garlow, 1998).

Soil samples collected during the removal of the USTs were below laboratory reporting limits for total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary-butyl ether (MTBE), except for 0.53 milligrams per kilogram (mg/kg) MTBE detected in one sample collected from the southern corner of the excavation (SW-1), and 240 mg/kg TPH-G, 0.85 mg/kg ethylbenzene, and 130 mg/kg total xylenes in soil sample SW-2. Grab water samples were also collected from the bottom of the excavation and analyzed. Groundwater analysis resulted in maximum TPH-g and MTBE concentrations of 1,800 parts per billion (ppb) and 5,500 ppb respectively.

February 2000: Three groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed at the locations shown on Figure 2. Low-levels of TPH-g were reported in a soil sample collected from MW-1 at 6.5 fbg (2.9 mg/kg), but were not detected in other soil samples collected. Low MTBE concentrations were detected in soil samples collected from MW-1 at depths ranging from 6.5 to 21.5 fbg, and from MW-3 at depths of 6 and 11 fbg. Detected MTBE concentrations in soil ranged from 0.0083 to 0.66 mg/kg. Benzene was detected at 0.038 mg/kg in one soil sample collected at 11 fbg from MW-3. Toluene and ethylbenzene were not detected in any of the soil samples. Low xylene concentrations were detected in MW-1 at 6.5 fbg (0.0097 mg/kg) and MW-3 at 11 fbg (0.019 mg/kg).

4.0 ONGOING GROUNDWATER MONITORING AND SAMPLING

Groundwater monitoring has been conducted at the Site beginning with the installation of monitoring wells in March 2000 and continuing on a quarterly basis to the present. Groundwater

samples have been analyzed for TPH-g, BTEX and MTBE. Historical groundwater levels and analytical results are summarized in Table 3.

The principal constituents of concern identified during quarterly monitoring include TPH-g and MTBE. In general, detectable levels of BTEX constituents have been reported infrequently and at relatively low levels. For example, concentrations of toluene [0.79 micrograms per liter (µg/l)], ethylbenzene (0.73 µg/l) and total xylenes (0.68 µg/l) were detected just above the detection limits in monitoring well MW-3 during the June 24, 2001 monitoring and sampling event. Relatively low concentrations of benzene (1.4 µg/l), ethylbenzene (0.61 µg/l) and total xylenes (0.69 µg/l) were detected in monitoring well MW-2 during the March 5, 2003 monitoring and sampling event. Detectable levels of BTEX have not been reported since the March 2003 groundwater monitoring and sampling event. Typical detections have been at or slightly above laboratory detection limits (e.g., 0.5 µg/l). Therefore, BTEX is not considered a contaminant of concern for groundwater at the Site.

Detectable levels of TPH-g have only been reported in Monitoring well MW-1, located approximately 70 feet downgradient of the former USTs. Concentrations have ranged from 670 µg/l (March 2, 2000) to 50,000 µg/l (June 25, 2004).

MTBE has historically been detected in the each of the three monitoring wells at the Site, ranging in concentrations from 0.96 µg/L (MW-3) to 90,000 µg/L (MW-1). As with TPH-g, the highest levels of MTBE have been reported in MW-1, with an average concentration of approximately 37,000 µg/l.

5.0 SITE ASSESSMENT ACTIVITIES

5.1 Pre-Field Activities

Boring permit applications were filed with the County of Alameda Public Works Agency (CAPWA) prior to drilling activities. Additionally, excavation permits were obtained from the City of Oakland. Copies of the permits are provided in Appendix A. Underground Service Alert (USA) was contacted a minimum of two days before field activities to identify the locations of underground utilities relative to the proposed drilling locations.

A subsurface geophysical survey was performed by Norcal Geophysical to additionally verify the absence of underground utilities and pipelines in the vicinity of proposed monitoring well locations. The survey was performed through the use of electromagnetic line locating, ground penetrating radar, and a hand held metal detection device.

A site- and job-specific health and safety plan was developed to promote personnel safety and preparedness during the planned activities. A “tailgate” meeting was conducted with exclusion zone workers to discuss the health and safety issues and concerns related to the specific work at the beginning of each field day.

5.2 Soil and Groundwater Sample Collection

On October 11-13, 2006, a truck-mounted direct push drill rig and CPT rig were used to advance 6 borings: B-1, B-2, B-4, B-5, B-7 and B-8 (Figure 2). Proposed soil borings B-3 and B-9 were not advanced due to the CPT Rig's inability to drill on slopes and in areas with limited access. Additionally, B-3 was deemed unnecessary following the relocation of Boring B-5 to the northwest side of 14th Avenue.

At five of the six boring locations two separate co-located borings were advanced. The first boring at each location was advanced to total depth of 30 fbg to determine soil behavior type using the integrated electronic cone system of the CPT rig. Data obtained from the initial logging run was then used to identify potential water-bearing horizons for subsequent grab groundwater sampling. The use of separate co-located borings for each depth-discrete groundwater sample prevents the potential for cross-contamination during boring advancement. However, based on review of the stratigraphic CPT behavior logs, the only water bearing zone identified was located at 20 to 21 fbg. The CPT behavior logs are included in the Gregg In-Situ Inc. CPT Investigation Report provided in Appendix B.

The second co-located boring at each location was advanced using a truck-mounted direct push drill rig. Soil samples were collected continuously to the total depth of each boring. Samples were collected for field hydrocarbon vapor testing using a hand-held photo-ionization detector (PID). Soil samples to be submitted for laboratory analysis were selected at 5-foot intervals into the capillary fringe. Soil samples were not collected from Boring B-5 because groundwater was encountered below the hole clearance depth of 5 fbg.

As stated above, based on stratigraphic soil behavior logs provided by the CPT rig (Appendix B), a Hydropunch sampling device was advanced to approximately 20-21 fbg for the collection of grab groundwater samples. The Hydropunch consists of a stainless steel probe, which is advanced into the water-bearing zone, then withdrawn to expose an internal screen. Groundwater was collected from inside the screen using a disposable bailer.

Due to the local presence of underground utilities precluding the use of the CPT rig, the direct push rig was used to collect soil and groundwater samples at Boring B-6. Soils were logged in accordance with the Unified Soil Classification System (ASTM D-2487). A boring log for B-6 is included in Appendix C.

Soil and groundwater samples were appropriately preserved under standard chain-of-custody protocol to ensure a continuous record of sample possession, and submitted to a state-certified laboratory. Soil samples were analyzed for the following constituents:

- Tertiary Butyl Alcohol (TBA) using EPA Method 8260B
- Di-isopropyl Ether (DIPE) using EPA Method 8260B
- Ethyl Tertiary Butyl Ether (ETBE) using EPA Method 8260B
- Tertiary Amyl Methyl Ether (TAME) using EPA Method 8260B

- Ethanol using EPA Method 8260B
- BTEX using EPA Method 8260B
- MTBE using EPA Method 8260B
- TPH-g using EPA Method 8015 modified for gasoline.

Laboratory analytical results for soil samples are shown in Table 1.

5.3 Laboratory Analytical Results

Analytical results of soil and groundwater samples are presented in Tables 1 and 2, respectively. Copies of the laboratory analytical reports and chain-of-custody documentation are provided in Appendix D.

Soil Results

TPH-g was detected in the soil sample collected from Boring B-4 at 8 fbg at a concentration of 1.2 mg/kg. No other constituents were detected in the two soil samples collected from Boring B-4. TPH-g was not detected in any other soil samples collected during the Investigation.

BTEX constituents were not detected in any of the soil samples collected during the Investigation.

No detectable levels of MTBE, TBA, DIPE, ETBE, TAME or ethanol were reported in the soil samples collected during this Investigation.

Groundwater Results

Detectable levels of TPH-g were reported in 2 of the 7 grab groundwater samples (B-2 at 410 µg/L and B-7 at 84 µg/L).

MTBE was detected in 6 of the 7 grab groundwater samples, ranging from 2.1 µg/L in B-8 to 710 µg/L in B-2.

Detectable concentrations of toluene (3.9 µg/L) and TBA (1,600 µg/L) were reported in the grab groundwater sample collected from Boring B-5.

No detectable concentrations of benzene, ethylbenzene, total xylenes, TAME, DIPE, ETBE, or ethanol constituents were reported in grab groundwater samples collected as part of this Investigation.

6.0 EVALUATION OF FINDINGS

Soil and groundwater analytical data are summarized in tabular form in Tables 1 and 2,

respectively. Based on the results of this Soil & Groundwater Investigation, the following findings are noted:

6.1 Soil

- The only water bearing zone identified was observed in subsurface soils at an approximate depth of 20 to 21 fbg.
- No detectable levels of hydrocarbons were reported in offsite soil samples collected from borings B-1, B-2, B-6, B-7 and B-8.
- Low concentrations of TPH-g were detected in the soil sample collected from Boring B-4 at 8 fbg (i.e., 1.2 mg/kg, relative to the detection limit of 1.0 mg/kg). No detectable concentrations of TPH-g were reported in soil samples collected during previous investigations. The low level of TPH-g reported in this sample is not considered significant given its spatially isolated nature and the low concentration relative to the laboratory detection limit.

6.2 Groundwater

- MTBE concentrations were reported in grab groundwater samples collected from six of the seven borings (i.e., B-1, B-2, B-4, B-5, B-6 and B-8). These borings are situated to the east, west, and south of the Site.
- The maximum concentration of TPH-g was detected in the grab groundwater sample collected from downgradient Boring B-2 (410 µg/l).
- In general, these results suggest that hydrocarbon impacts to groundwater are present offsite, including low levels reported in downgradient Boring B-8. Additional groundwater information may be required to adequately characterize the hydrocarbon plume boundaries.

7.0 RECOMMENDATIONS

As requested in the ACEH letter dated June 1, 2006, TRC recommends preparation of a Site Conceptual Model (SCM). The SCM will be prepared pursuant to the guidelines set forth in the June 1, 2006 letter, SPI's Publication No. 4699, EPA's Publication No. EPA 510-B-97-001, and "Guidelines for Investigation and Cleanup of MTBE and Other Ether-Based Oxygenates, Appendix C" prepared by the State Water Resources Control Board, dated March 27, 2000.

The SCM will identify data gaps and propose additional phases of investigation in order to adequately characterize subsurface impacts in the vicinity of the Site.

8.0 REFERENCES

ACFCD, 1993. Geology Framework of the East Bay Plain Groundwater Basin, Alameda County, California; Alameda County Flood Control and Water Conservation District, August 1993.

ACPWA, 1999. Frank Codd, Alameda County Public Works Agency, Personal Communication via Facsimile (map of groundwater levels in the City of Oakland area); November 16.

DWR, 1975. Sea-Water Intrusion in California, Inventory of Coastal Ground Water Basins; California Department of Water Resources, Bulletin No. 63-5; October.

Garlow Associates, 1998, Underground Storage Tank Removal Report, Quik Stop Market No. 56, 3132 Beaumont Ave, Oakland, Ca, November 25.

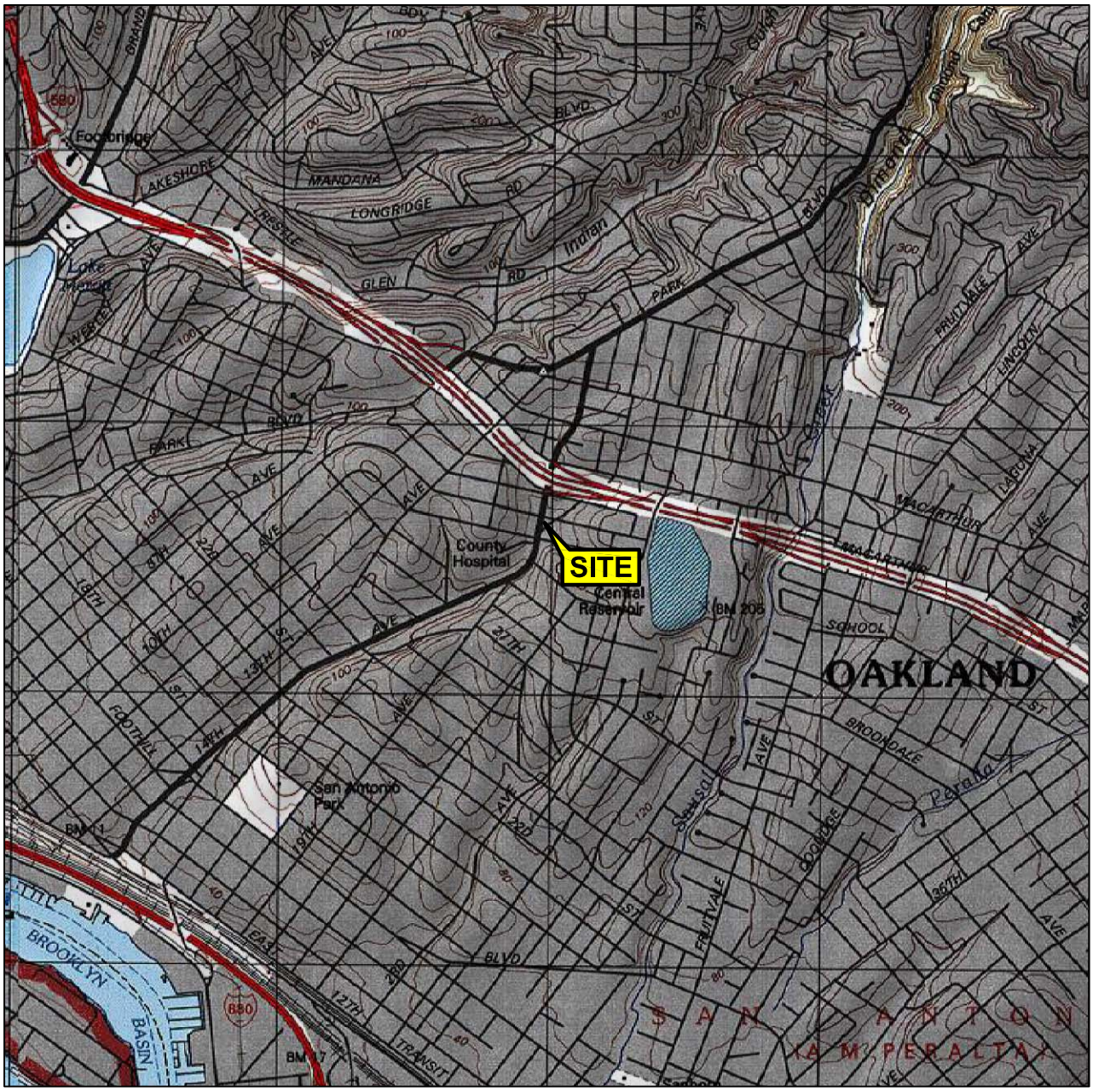
Godfrey, 1995. Andreas Godfrey, Alameda County Public Works-Water Resources Section, Personal Communication; May 22.

Gregg Drilling, 1999. Web Page, www.greggdrilling.com/water_table_n.html; November 10.

TRC, 2002. Quarterly Progress Report, Fourth Quarter, 2002, December 13, 2002.

TRC, 2006, Quarterly Groundwater Monitoring Report, First Quarter 2006, April 28, 2006.

FIGURES



1 MILE 3/4 1/2 1/4 0 1 MILE

SCALE 1 : 24,000

N

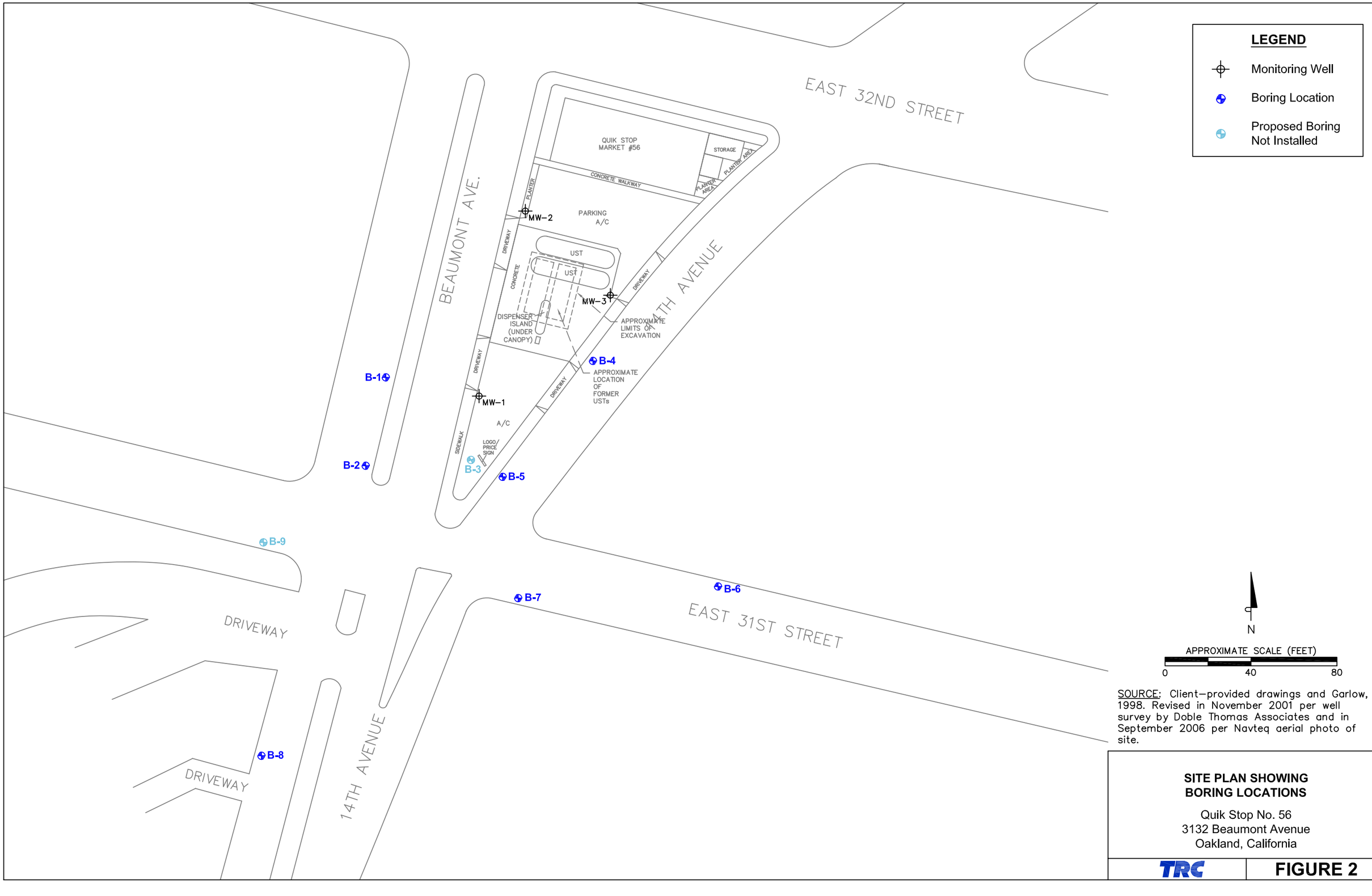
SOURCE:
United States Geological Survey
7.5 Minute Topographic Maps:
Oakland East and
Oakland West Quadrangles

VICINITY MAP

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC

FIGURE 1



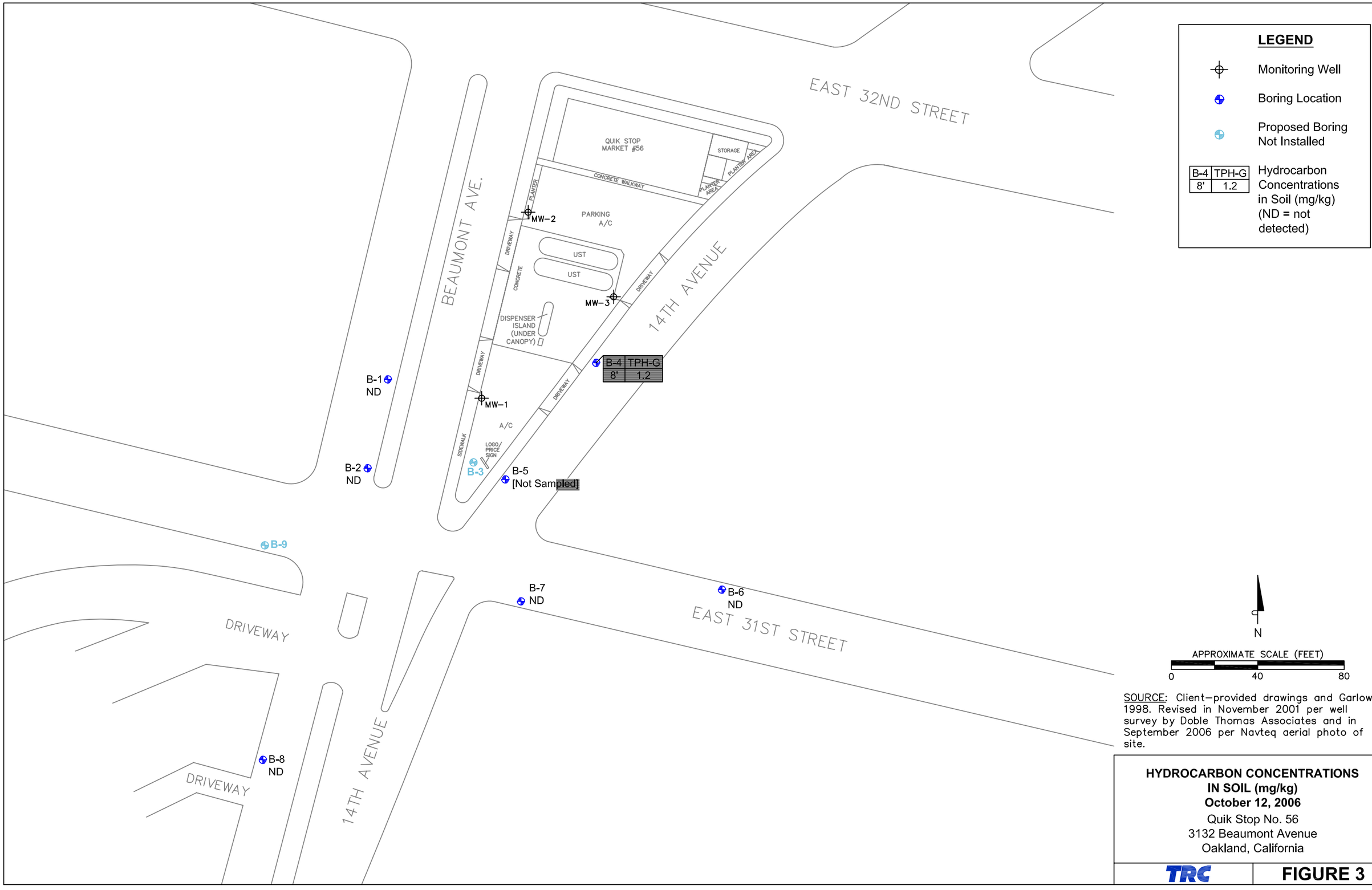
SOURCE: Client–provided drawings and Garlow, 1998. Revised in November 2001 per well survey by Doble Thomas Associates and in September 2006 per Navteq aerial photo of site.

SITE PLAN SHOWING BORING LOCATIONS

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC

FIGURE 2



LEGEND

- Monitoring Well
- Boring Location
- Proposed Boring Not Installed
- B-4 | TPH-G | 8' | 1.2 — Hydrocarbon Concentrations in Soil (mg/kg) (ND = not detected)

N

APPROXIMATE SCALE (FEET)

0 40 80

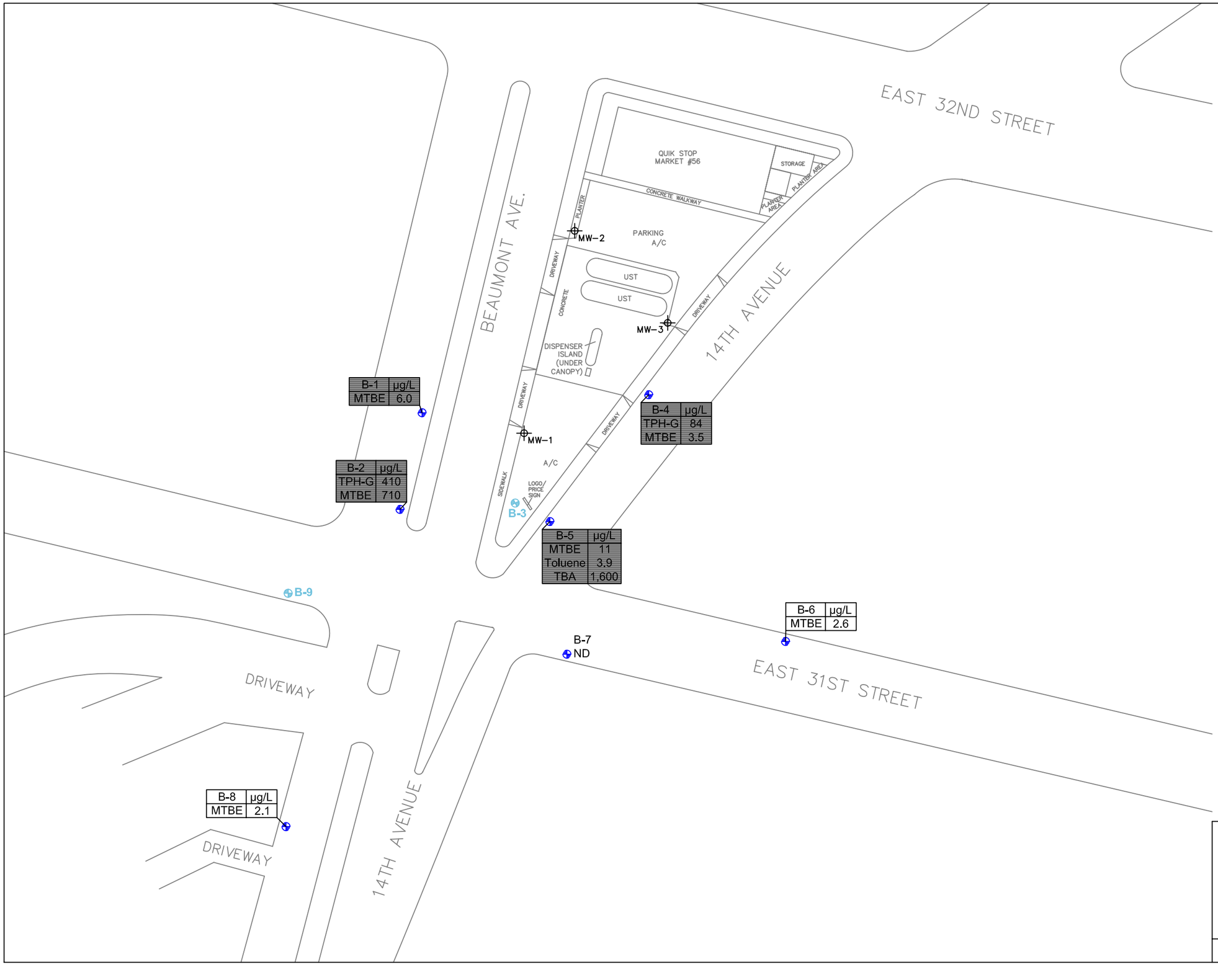
SOURCE: Client–provided drawings and Garlow, 1998. Revised in November 2001 per well survey by Doble Thomas Associates and in September 2006 per Navteq aerial photo of site.

HYDROCARBON CONCENTRATIONS IN SOIL (mg/kg)
October 12, 2006

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC

FIGURE 3



SOURCE: Client–provided drawings and Garlow, 1998. Revised in November 2001 per well survey by Doble Thomas Associates and in September 2006 per Navteq aerial photo of site.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS (µg/L)
October 12, 2006
Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC

FIGURE 4

TABLES

Table 1
Summary of Soil Chemical Analysis
Quik Stop #56
Oakland, California

Soil Sample	Date	Sample Depth (feet)	TPH-G (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
B-1	10/12/06	3	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
B-2	10/12/06	5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	10	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	15	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	20	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
B-4	10/12/06	3	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	8	**1.2**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
B-6	10/12/06	5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	10	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/12/06	15	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
B-7	07/12/06	5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
B-8	10/13/06	3	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/13/06	8	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
	10/13/06	12	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.5	ND<0.02	ND<0.02	ND<0.02	ND<10
T-1-1	09/21/98	13.0-14.0	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
T-2-1	09/21/98	13.0-14.0	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005		-	-	-	-
SW-1	09/28/98	11.0-12.0	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.53**	-	-	-	-	-
SW-2	09/28/98	11.0-12.0	**240**	ND<0.5	ND<0.5	**0.85**	**1.30**	ND<5.0	-	-	-	-	-
MW-1	02/16/00	6.5	**2.9**	ND<0.005	ND<0.005	ND<0.005	**0.0097**	**0.067**	-	-	-	-	-
MW-1	02/16/00	11.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-1	02/16/00	16.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.66**	-	-	-	-	-
MW-1	02/16/00	21.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.05**	-	-	-	-	-
MW-1	02/16/00	26.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-2	02/16/00	6.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-2	02/16/00	11.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-2	02/16/00	16.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-2	02/16/00	21.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-2	02/16/00	26.5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-

Table 1
Summary of Soil Chemical Analysis
Quik Stop #56
Oakland, California

Soil Sample	Date	Sample Depth (feet)	TPH-G (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
MW-3	02/16/00	6.0	ND<1.0	**0.038**	ND<0.005	ND<0.005	**0.019**	**0.0083**	-	-	-	-	-
MW-3	02/16/00	11.0	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.011**	-	-	-	-	-
MW-3	02/16/00	16.0	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-
MW-3	02/16/00	21.0	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-

NOTES:

TPH-G = total petroleum hydrocarbons as gasoline
MTBE = methyl tert butyl ether
mg/kg = milligrams per kilogram
ug/kg= micrograms per kilogram
ND = not detected at or above the stated method detection limit
TBA = tertiary butyl alcohol
DIPE = di-isopropyl ether
ETBE = ethyl tertiary butyl ether
TAME = tertiary amyl methyl ether
- = not analyzed

Table 2
Summary of Groundwater Sample Analysis
Quik Stop #56
Oakland, California

Sample ID	Date	TPH-G (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Ethanol (µg/L)
B-1	10/12/06	ND<50	**6.0**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<500
B-2	10/12/06	**410**	**710**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<500
B-4	10/12/06	**84**	**3.5**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<500
B-5	10/12/06	ND<50	**11**	ND<1.0	**3.9**	ND<1.0	ND<1.0	**1,600**	ND<2.0	ND<2.0	ND<2.0	ND<1000
B-6	10/12/06	ND<50	**2.6**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<500
B-7	10/12/06	ND<50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<500
B-8	10/13/06	ND<50	**2.1**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<500

NOTES:

TPH-G = total petroleum hydrocarbons as gasoline
MTBE = methyl tert butyl ether
mg/L = milligrams per litre
ug/L= micrograms per litre
ND = not detected at or above the stated method detection limit
TBA = tertiary butyl alcohol
DIPE = di-isopropyl ether
ETBE = ethyl tertiary butyl ether
TAME = tertiary amyl methyl ether

Table 3

Summary of Historical Groundwater Levels and Chemical Analysis

Quik Stop No. 56 - 3132 Beaumont Avenue, Oakland

Sample ID	Date	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	Ethanol (mg/L)	DO (mg/L)
MW-1	03/02/00	131.58	10.33	121.25	670	<1.0	<1.0	<1.0	<1.0	2,200	—	0.62
MW-1	11/16/00	131.58	11.86	119.72	<500	<0.5	<0.5	<0.5	<0.5	18,000	—	0.34
MW-1	01/23/01	131.58	11.05	120.53	6,400	<10	<10	<10	<10	21,000	—	0.83
MW-1	04/25/01	131.58	12.06	119.52	12,000	<20	<20	<20	<20	17,000	—	0.39
MW-1	07/24/01	131.58	12.42	119.16	8,800	<13	<13	<13	<13	14,000	—	7.61
MW-1	11/08/01	131.58	12.00	119.58	18,000	<25	<25	<25	<25	28,000	—	—
MW-1	11/27/01	134.13	Well resurveyed to new reference point									
MW-1	02/05/02	134.13	10.99	123.14	28,000	<50	<50	<50	<50	44,000	—	—
MW-1	04/29/02	134.13	10.97	123.16	12,000	<25	<25	<25	<25	30,000	—	—
MW-1	07/29/02	134.13	10.20	123.93	16,000	<25	<25	<25	<25	22,000	—	—
MW-1	10/21/02	134.13	10.48	123.65	17,000	<50	<50	<50	<50	39,000	—	—
MW-1	03/05/03	134.13	8.94	125.19	40,000	<100	<100	<100	<100	69,000	—	—
MW-1	06/06/03	134.13	8.68	125.45	27,000	<50	<50	<50	<50	63,000	—	—
MW-1	09/05/03	134.13	9.21	124.92	28,000	<25	<25	<25	<25	51,000	—	—
MW-1	12/24/03	134.13	8.65	125.48	29,000	<50	<50	<50	<50	84,000	—	—
MW-1	03/25/04	134.13	8.66	125.47	39,000	<100	<100	<100	<100	72,000	—	—
MW-1	06/25/04	134.13	8.66	125.47	50,000	<100	<100	<100	<100	90,000	—	—
MW-1	09/16/04	134.13	9.02	125.11	30,000	<50	<50	<50	<50	75,000	—	—
MW-1	12/17/04	134.13	7.46	126.67	35,000	<50	<50	<50	<50	59,000	—	—
MW-1	03/10/05	134.13	7.17	126.96	14,000	<25	<25	<25	<25	33,000	—	—
MW-1	06/09/05	134.13	8.14	125.99	36,000	<50	<50	<50	<50	60,000	—	—
MW-1	09/13/05	134.13	12.64	121.49	<20,000	<100	<100	<100	<100	32,000	—	—
MW-1	12/06/05	134.13	11.40	122.73	<5,000	<25	<25	<25	<25	5,700	—	—
MW-1	03/29/06	134.13	10.51	123.62	16,000	<25	<25	<25	<25	23,000	—	—
MW-1	06/29/06	134.13	11.28	122.85	8,200	<15	<15	<15	<15	12,000	<5.0	—
MW-1	09/21/06	134.13	11.90	122.23	4,500	<10	<10	<10	<10	7,900	<5.0	—
MW-1	12/08/06	134.13	11.65	122.48	3,900	<10	<10	<10	<10	4,100	<5.0	—
MW-2	03/02/00	132.63	5.88	126.75	<50	<0.50	<0.50	<0.50	<0.50	<0.50	—	1.45
MW-2	11/16/00	132.63	6.40	126.23	<50	<0.5	<0.5	<0.5	<0.5	<1.0	—	1.67
MW-2	01/23/01	132.63	5.67	126.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	—	1.20
MW-2	04/25/01	132.63	6.26	126.37	<50	<0.50	<0.50	<0.50	<0.50	<0.50	—	0.76
MW-2	07/24/01	132.63	6.38	126.25	<50	<0.50	<0.50	<0.50	<0.50	<0.50	—	2.92
MW-2	11/08/01	132.63	5.97	126.66	<50	<0.50	<0.50	<0.50	<0.50	2.7	—	—
MW-2	11/27/01	135.16	Well resurveyed to new reference point									

Table 3

Summary of Historical Groundwater Levels and Chemical Analysis

Quik Stop No. 56 - 3132 Beaumont Avenue, Oakland

Sample ID	Date	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	Ethanol (mg/L)	DO (mg/L)
MW-2	02/05/02	135.16	4.95	130.21	<50	<0.50	<0.50	<0.50	<0.50	2.7	—	—
MW-2	04/29/02	135.16	5.03	130.13	<50	<0.50	<0.50	<0.50	<0.50	2.8	—	—
MW-2	07/29/02	135.16	5.46	129.70	<50	<0.50	<0.50	<0.50	<0.50	4.1	—	—
MW-2	10/21/02	135.16	5.68	129.48	<50	<0.50	<0.50	<0.50	<0.50	8.1	—	—
MW-2	03/05/03	135.16	4.87	130.29	<50	1.4	<0.50	0.61	0.69	5.5	—	—
MW-2	06/06/03	135.16	4.88	130.28	<50	<0.50	<0.50	<0.50	<0.50	5.2	—	—
MW-2	09/05/03	135.16	5.60	129.56	<50	<0.50	<0.50	<0.50	0.66	6.4	—	—
MW-2	12/24/03	135.16	5.25	129.91	<50	<0.50	<0.50	<0.50	<0.50	5.4	—	—
MW-2	03/25/04	135.16	5.25	129.91	<50	<0.50	<0.50	<0.50	<0.50	5.3	—	—
MW-2	06/25/04	135.16	6.89	128.27	<50	<0.50	<0.50	<0.50	<0.50	5.4	—	—
MW-2	09/16/04	135.16	6.09	129.07	<50	<0.50	<0.50	<0.50	<0.50	5.5	—	—
MW-2	12/17/04	135.16	5.30	129.86	<50	<0.50	<0.50	<0.50	<0.50	5.4	—	—
MW-2	03/10/05	135.16	4.49	130.67	<50	<0.50	<0.50	<0.50	<0.50	3.7	—	—
MW-2	06/09/05	135.16	4.85	130.31	<50	<0.50	<0.50	<0.50	<0.50	4.8	—	—
MW-2	09/13/05	135.16	5.82	129.34	<50	<0.50	<0.50	<0.50	<0.50	5.6	—	—
MW-2	12/06/05	135.16	5.14	130.02	<50	<0.50	<0.50	<0.50	<0.50	4.5	—	—
MW-2	03/29/06	135.16	4.27	130.89	<50	<0.50	<0.50	<0.50	<0.50	4.4	—	—
MW-2	06/29/06	135.16	5.21	129.95	<50	<0.50	<0.50	<0.50	<0.50	5.1	<5.0	—
MW-2	09/21/06	135.16	5.62	129.54	<50	<0.50	<0.50	<0.50	<0.50	3.3	<5.0	—
MW-2	12/08/06	135.16	5.29	129.87	<50	<0.50	<0.50	<0.50	<0.50	3.1	<5.0	—
MW-3	03/02/00	133.78	6.41	127.37	<50	<0.50	<0.50	<0.50	<0.50	0.96	—	0.90
MW-3	11/16/00	133.78	6.46	127.32	<50	<0.5	<0.5	<0.5	<0.5	24	—	3.91
MW-3	01/23/01	133.78	5.75	128.03	<50	<0.50	<0.50	<0.50	<0.50	72	—	1.47
MW-3	04/25/01	133.78	5.90	127.88	<50	<0.50	<0.50	<0.50	<0.50	25	—	0.56
MW-3	07/24/01	133.78	6.56	127.22	<50	<0.50	0.79	0.73	0.68	5.2	—	6.67
MW-3	11/08/01	133.78	6.92	126.86	<50	<0.50	<0.50	<0.50	<0.50	14	—	—
MW-3	11/27/01	136.35	Well resurveyed to new reference point									
MW-3	02/05/02	136.35	5.13	131.22	<50	<0.50	<0.50	<0.50	<0.50	10	—	—
MW-3	04/29/02	136.35	5.67	130.68	<50	<0.50	<0.50	<0.50	<0.50	5.1	—	—
MW-3	07/29/02	136.35	6.11	130.24	<50	<0.50	<0.50	<0.50	<0.50	31	—	—
MW-3	10/21/02	136.35	6.57	129.78	<50	<0.50	<0.50	<0.50	<0.50	5.8	—	—
MW-3	01/06/04	136.35	5.02	131.33	<50	<0.50	<0.50	<0.50	<0.50	4.9	—	—
MW-3	06/06/03	136.35	5.12	131.23	<50	<0.50	<0.50	<0.50	<0.50	6.6	—	—
MW-3	09/05/03	136.35	6.53	129.82	<50	<0.50	<0.50	<0.50	<0.50	4.4	—	—

Table 3

Summary of Historical Groundwater Levels and Chemical Analysis

Quik Stop No. 56 - 3132 Beaumont Avenue, Oakland

Sample ID	Date	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	Ethanol (mg/L)	DO (mg/L)
MW-3	12/24/03	136.35	5.20	131.15	<50	<0.50	<0.50	<0.50	<0.50	1.2	—	—
MW-3	03/25/04	136.35	5.42	130.93	<50	<0.50	<0.50	<0.50	<0.50	3.2	—	—
MW-3	06/25/04	136.35	6.50	129.85	<50	<0.50	<0.50	<0.50	<0.50	13	—	—
MW-3	09/16/04	136.35	6.79	129.56	<50	<0.50	<0.50	<0.50	<0.50	3.0	—	—
MW-3	12/17/04	136.35	5.20	131.15	<50	<0.50	<0.50	<0.50	<0.50	1.6	—	—
MW-3	03/10/05	136.35	4.42	131.93	<50	<0.50	<0.50	<0.50	<0.50	3.8	—	—
MW-3	06/09/05	136.35	4.98	131.37	<50	<0.50	<0.50	<0.50	<0.50	3.6	—	—
MW-3	09/13/05	136.35	6.42	129.93	<50	<0.50	<0.50	<0.50	<0.50	11	—	—
MW-3	12/06/05	136.35	5.35	131.00	<50	<0.50	<0.50	<0.50	<0.50	1.4	—	—
MW-3	03/29/06	136.35	4.01	132.34	<50	<0.50	<0.50	<0.50	<0.50	3.2	—	—
MW-3	06/29/06	136.35	5.41	130.94	<50	<0.50	<0.50	<0.50	<0.50	3.5	<5.0	—
MW-3	09/21/06	136.35	6.31	130.04	<50	<0.50	<0.50	<0.50	<0.50	2.1	<5.0	—
MW-3	12/08/06	136.35	5.75	130.60	<50	<0.50	<0.50	<0.50	<0.50	1.6	<5.0	—

NOTES:
ft-MSL = feet above mean sea level
µg/L = micrograms per liter
mg/L = milligrams per liter
TPH-G = total petroleum hydrocarbons as gasoline
DO = dissolved oxygen
< = not detected at or above the stated detection limit
MTBE = methyl tert butyl ether

APPENDIX A

Permits

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 3132 BEAUMONT AV   Parcel# 022 -0377-001-03   Appl# OB060652

Reserve parking on and around Beaumont Av   Permit Issued 10/05/06
soil borings in and around Beaumont Av
NOTE: No fee for 5 spaces for Excavation X0601109 to -1113

NO WORK ON OCT 10, 2006

Nbr of days: 3   Linear feet: 150
Effective: 10/09/06   Expiration: 10/12/06

SHORT TERM NON-METERED

		Applcnt	Phone#	Lic#	--License Classes--
Owner	MOTORS ATLAS				
Contractor	GREGG DRILLING & TESTING, INC.	X	(925)313-5800	485165	C57
Arch/Engr					
Agent	TRC/ J KEARNS		(925)260-3495		
Applic Addr	950 HOWE RD, MARTINEZ, CA., 94553				

$379.83 TOTAL FEES PAID AT ISSUANCE

$61.00	Applic	$270.00	Permit
$.00	Process	$31.45	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$17.38	Tech Enh

JOB SITE

ADDRESS: ____

DIST: ____

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

Applicant: ____________________ ________

Issued by: ____________________ ________

Date: 10/05/06 Amt Paid: $2,934.18
By: DLR Register R02 Receipt# 037352

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 3132 BEAUMONT AV   Parcel# 022 -0377-001-03   Appl# OB060651

Lane closures on and around Beaumont Av per approved TCP   Permit Issued 10/05/06
soil borings in and around Beaumont Av

NO WORK ON OCT 10, 2006

Nbr of days: 3   Linear feet: 200
Effective: 10/09/06   Expiration: 10/12/06

SHORT TERM NON-METERED

		Applcnt	Phone#	Lic#	--License Classes--
Owner	MOTORS ATLAS				
Contractor	GREGG DRILLING & TESTING, INC.	X	(925)313-5800	485165	C57
Arch/Engr					
Agent	TRC/ J KEARNS		(925)260-3495		
Applic Addr	950 HOWE RD, MARTINEZ, CA., 94553				

$483.10 TOTAL FEES PAID AT ISSUANCE

$61.00	Applic	$360.00	Permit
$.00	Process	$40.00	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$22.10	Tech Enh

JOB SITE

CITY OF OAKLAND

ADDRESS: ______

DIST. ______

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

Applicant: [signature] 10/5/06
Issued by: ______ ______

Date: 10/05/06 Amt Paid: $6,934.15
Rys: DLR Register 002 Receipt# 097332

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 3132 BEAUMONT AV — Parcel# 022 -0377-001-03 — Appl# X0601109

Descr soil boring on Beaumont Av N of E 31st St — Permit Issued 10/05/06

Work Type EXCAVATION-PRIVATE P

USA #

Util Co. Job #
Util Fund #:

Acctg#:

	Name	Applcnt	Phone#	Lic#	--License Classes--
Owner	MOTORS ATLAS				
Contractor	GREGG DRILLING & TESTING, INC.	X	(925)313-5800	485165	C57
Arch/Engr					
Agent	TRC/ J KEARNS		(925)260-3495		
Applic Addr	950 HOWE RD, MARTINEZ, CA., 94553				

$414.25 TOTAL FEES PAID AT ISSUANCE

$61.00	Applic	$300.00	Permit
$.00	Process	$34.30	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$18.95	Tech Enh

JOB SITE

ADDRESS: ____________

DIST: ____________

Date: 10/05/06 Amt Paid: $2,534.18
By: DLR Register R02 Receipt# 05?392

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER X 0 6 0 1 1 0 9	SITE ADDRESS/LOCATION * 3132 Beaumont Ave. N of E 31st
APPROX. START DATE 10/11/06 / APPROX. END DATE 10/12/06	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number) (925)-260-3495
CONTRACTOR'S LICENSE # AND CLASS C-57 # 485165	CITY BUSINESS TAX # 585033

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # _____

2- 48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.

3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # BB1060216 Company Name Gregg Drilling & Testing

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

X _____ 10/5/06

Signature of Permittee ☐ Agent for ☐ Contractor ☐ Owner — Date

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY		DATE ISSUED	

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 3132 BEAUMONT AV Parcel# 022 -0377-001-03 Appl# X0601110

Descr soil boring on Beaumont Av S of E 31st St Permit Issued 10/05/06

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	MOTORS ATLAS				
Contractor	GREGG DRILLING & TESTING, INC.	X	(925)313-5800	485165	C57
Arch/Engr					
Agent	TRC/ J KEARNS		(925)260-3495		
Applic Addr	950 HOWE RD, MARTINEZ, CA., 94553				

$414.25	TOTAL FEES PAID AT ISSUANCE		
$61.00	Applic	$300.00	Permit
$.00	Process	$34.30	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$18.95	Tech Enh

JOB SITE

ADDRESS:

DIST:

PAID

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X 0 6 0 1 1 1 0 *	5 of E - 31st St 8132 Beaumont Ave.
APPROX. START DATE: 10/11/06 — APPROX. END DATE: 10/12/06	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number): (925) 260-3495
CONTRACTOR'S LICENSE # AND CLASS: 485165	CITY BUSINESS TAX #: 585033

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # _____

2- 48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.

3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # BB1060216 Company Name Gregg Drilling & Testing

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements and that the above information is true and correct under penalty of law.

X _____ 10/6/06

Signature of Permittee ☒ Agent for ☐ Contractor ☐ Owner — Date

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY		DATE ISSUED	

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 3132 BEAUMONT AV Parcel# 022 -0377-001-03 Appl# X0601111

Descr soil boring on Beaumont Av on 14th Av Permit Issued 10/05/06

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	MOTORS ATLAS				
Contractor	GREGG DRILLING & TESTING, INC.	X	(925)313-5800	485165	C57
Arch/Engr					
Agent	TRC/ J KEARNS		(925)260-3495		
Applic Addr	950 HOWE RD, MARTINEZ, CA., 94553				

$414.25 TOTAL FEES PAID AT ISSUANCE

$61.00	Applic	$300.00	Permit
$.00	Process	$34.30	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$18.95	Tech Enh

JOB SITE

ADDRESS: _____

DIST: _____

PAID

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X 0 6 0 1 1 1 1 *	3132 Beaumont Ave
APPROX. START DATE / APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number) (925) ~~688-4200~~ 260-3495
CONTRACTOR'S LICENSE # AND CLASS 485165	CITY BUSINESS TAX # 585033

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # _____

2- 48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.

3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # BR1060216 Company Name Gregg Drilling & Testing

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

X _____ 10/6/06

Signature of Permittee ☒ Agent for ☐ Contractor ☐ Owner — Date

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY		DATE ISSUED	

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 3132 BEAUMONT AV Parcel# 022 -0377-001-03 Appl# X0601112

Descr soil boring on E 31st St W of Beaumont Av Permit Issued 10/05/06

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	MOTORS ATLAS				
Contractor	GREGG DRILLING & TESTING, INC.	X	(925)313-5800	485165	C57
Arch/Engr					
Agent	TRC/ J KEARNS		(925)260-3495		
Applic Addr	950 HOWE RD, MARTINEZ, CA., 94553				

$414.25	TOTAL FEES PAID AT ISSUANCE		
$61.00	Applic	$300.00	Permit
$.00	Process	$34.30	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$18.95	Tech Enh

JOB SITE

ADDRESS:

DIST:

PAID

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X 0 6 0 1 1 1 2 *	3132 Beaumont Ave
APPROX. START DATE / APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number) (925) 200-3495
CONTRACTOR'S LICENSE # AND CLASS 485165	CITY BUSINESS TAX # 585033

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # _____

2- 48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.

3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

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☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

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Policy # BB 1060216 Company Name Gregg Drilling & Testing

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

X _____ 10/5/06

Signature of Permittee ☒ Agent for ☐ Contractor ☐ Owner Date

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY		DATE ISSUED	

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 3132 BEAUMONT AV Parcel# 022 -0377-001-03 Appl# X0601113

Descr soil boring on E 31st St E of Beaumont Av Permit Issued 10/05/06

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	MOTORS ATLAS				
Contractor	GREGG DRILLING & TESTING, INC.	X	(925)313-5800	485165	C57
Arch/Engr					
Agent	TRC/ J KEARNS		(925)260-3495		
Applic Addr	950 HOWE RD, MARTINEZ, CA., 94553				

$414.25 TOTAL FEES PAID AT ISSUANCE

$61.00	Applic	$300.00	Permit
$.00	Process	$34.30	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$18.95	Tech Enh

JOB SITE

ADDRESS:

DIST:

PAID

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X 0 6 0 1 1 1 3 *	3132 Beaumont Ave.
APPROX. START DATE: 10/11/06 — APPROX. END DATE: 10/12/06	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number): (925) 200-3495
CONTRACTOR'S LICENSE # AND CLASS: 985165	CITY BUSINESS TAX #: 585033

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # 581

2- 48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.

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OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

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☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

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Policy # BB1060216 Company Name Gregg Drilling & Testing

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I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

X _____ 10/5/06

Signature of Permittee ☒ Agent for ☐ Contractor ☐ Owner — Date

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY		DATE ISSUED 10/11/06	

APPENDIX B

Gregg In-Situ Inc. CPT Investigation Report

GREGG IN SITU, INC.

GEOTECHNICAL AND ENVIRONMENTAL INVESTIGATION SERVICES

October 16, 2006

TRC Solutions
Attn: Jonathon Scheiner
1590 Solano Way, Suite A
Concord, California 94520

Subject: CPT Site Investigation
Quik Stop #56
Oakland, California
GREGG Project Number: 06-351MA

Dear Mr. Scheiner:

The following report presents the results of GREGG Drilling & Testing's Cone Penetration Test investigation for the above referenced site. The following testing services were performed:

1	Cone Penetration Tests	(CPTU)	☒
2	Pore Pressure Dissipation Tests	(PPD)	☒
3	Seismic Cone Penetration Tests	(SCPTU)	☐
4	Resistivity Cone Penetration Tests	(RCPTU)	☐
5	UVIF Cone Penetration Tests	(UVIFCPTU)	☐
6	Groundwater Sampling	(GWS)	☐
7	Soil Sampling	(SS)	☐
8	Vapor Sampling	(VS)	☐
9	Vane Shear Testing	(VST)	☐
10	SPT Energy Calibration	(SPTE)	☐

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact our office at (925) 313-5800.

Sincerely,
GREGG Drilling & Testing, Inc.

Mary Walden
Operations Manager

Cone Penetration Test Sounding Summary

-Table 1-

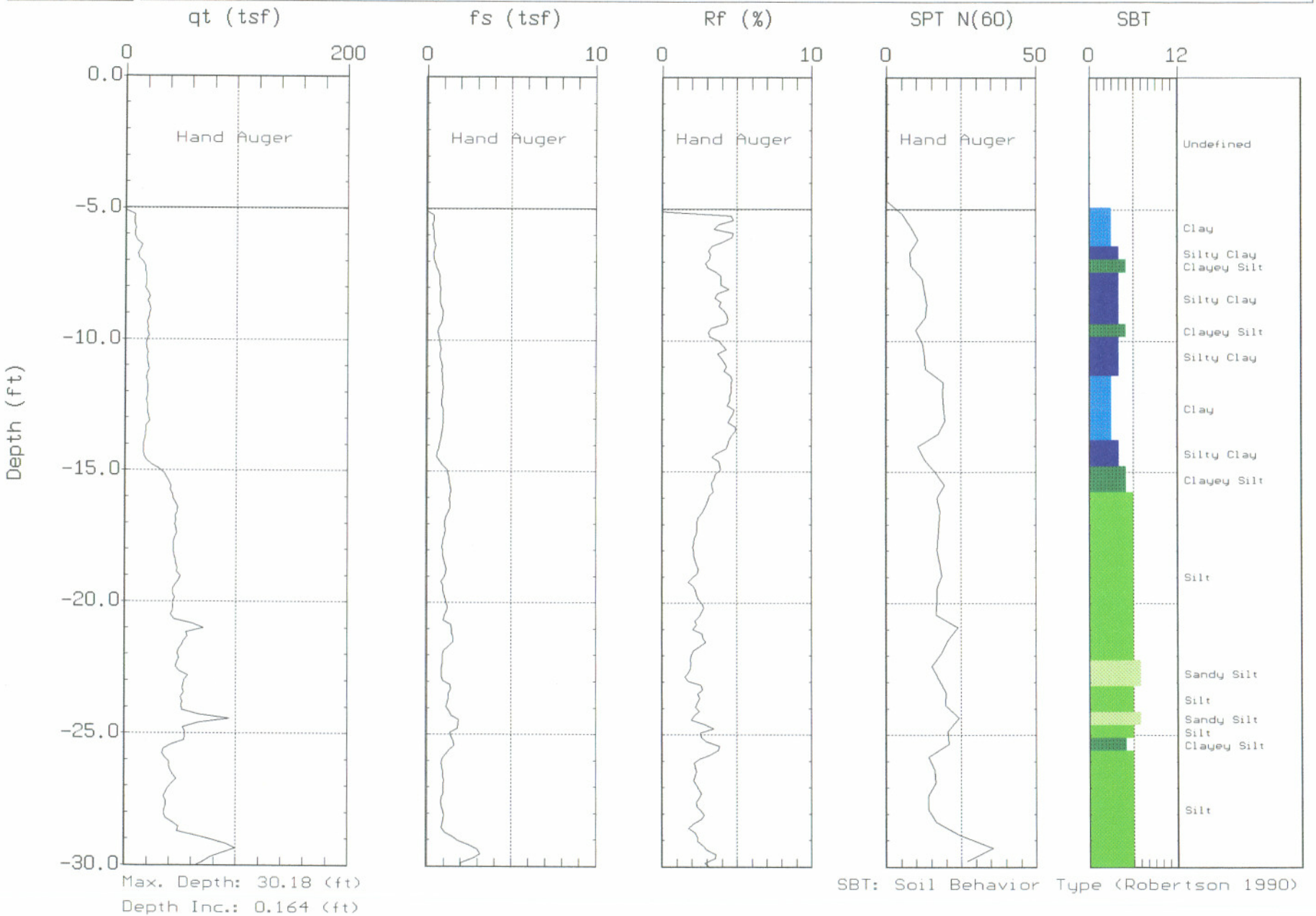
CPT Sounding Identification	Date	Termination Depth (Feet)	Depth of Groundwater Samples (Feet)	Depth of Soil Samples (Feet)	Depth of Pore Pressure Dissipation Tests (Feet)
CPT-B1	10/11/06	30	-	-	-
CPT-B2	10/11/06	30	-	-	28.5
CPT-B4	10/11/06	30	-	-	23.8
CPT-B5	10/11/06	30	-	-	30.0
CPT-B7	10/11/06	30	-	-	22.3
CPT-B8	10/11/06	30	-	-	24.1

GREGG

TRC SOLUTIONS

Site: QUIK STOP #56
Location: CPT-B1

Engineer: J.SCHEINER
Date: 10:11:06 05:00



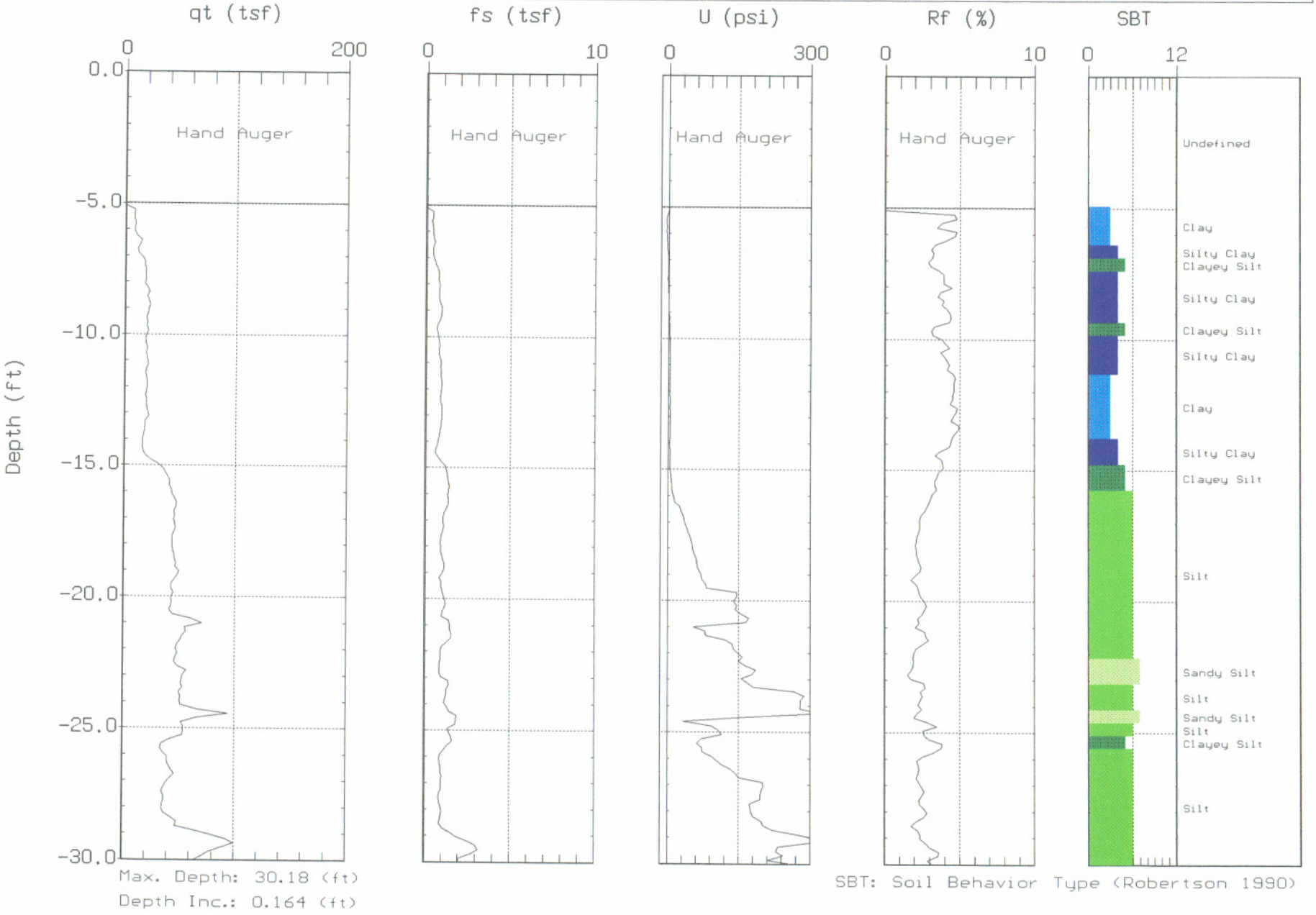
Max. Depth: 30.18 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

TRC SOLUTIONS

Site: QUIK STOP #56
Location: CPT-B1

Engineer: J.SCHEINER
Date: 10:11:06 05:00



Max. Depth: 30.18 (ft)
Depth Inc.: 0.164 (ft)

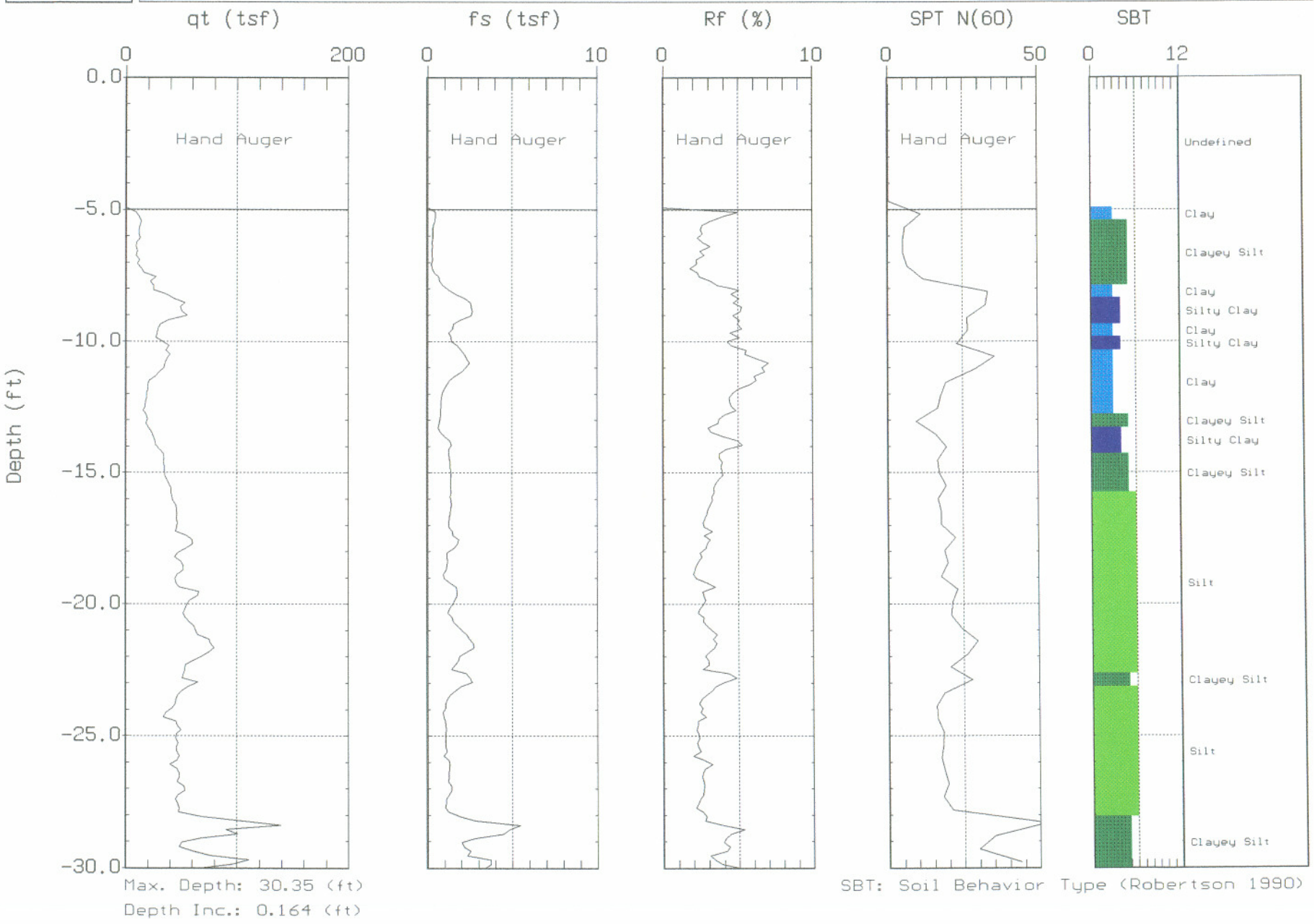
SBT: Soil Behavior Type (Robertson 1990)

GREGG

TRC SOLUTIONS

Site: QUIK STOP #56
Location: CPT-B2

Engineer: J.SCHEINER
Date: 10:11:06 05:50



Max. Depth: 30.35 (ft)
Depth Inc.: 0.164 (ft)

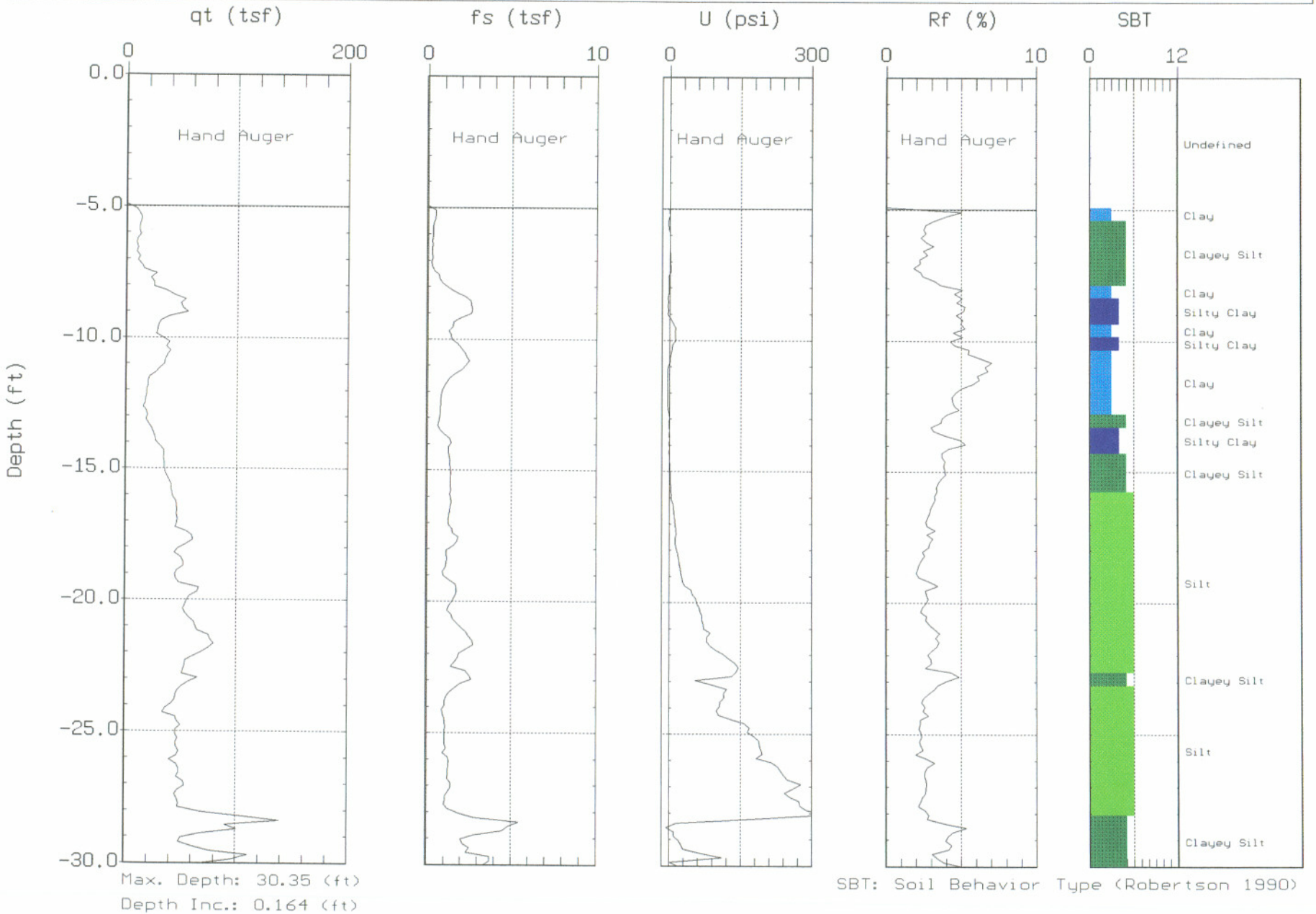
SBT: Soil Behavior Type (Robertson 1990)

GREGG

TRC SOLUTIONS

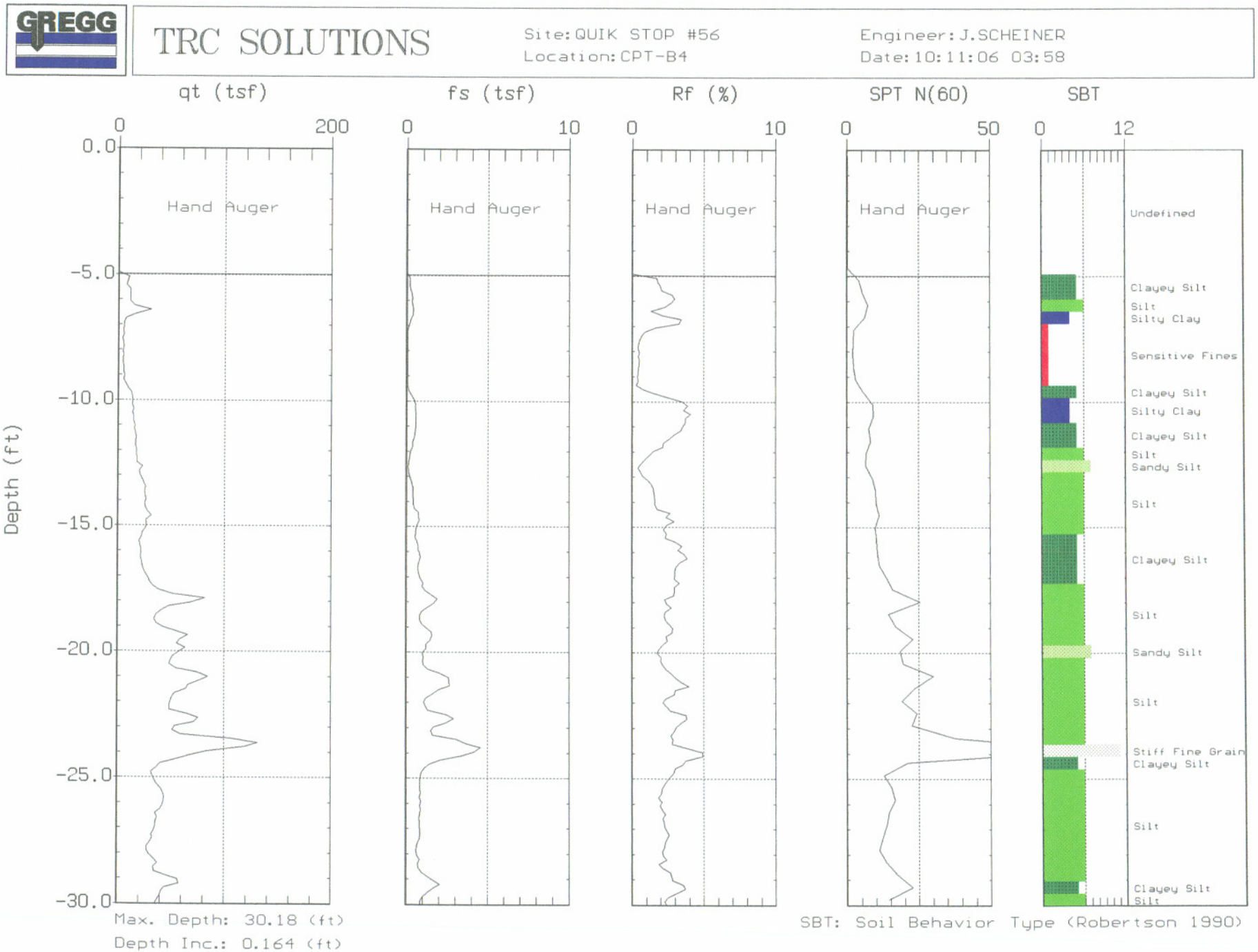
Site: QUIK STOP #56
Location: CPT-B2

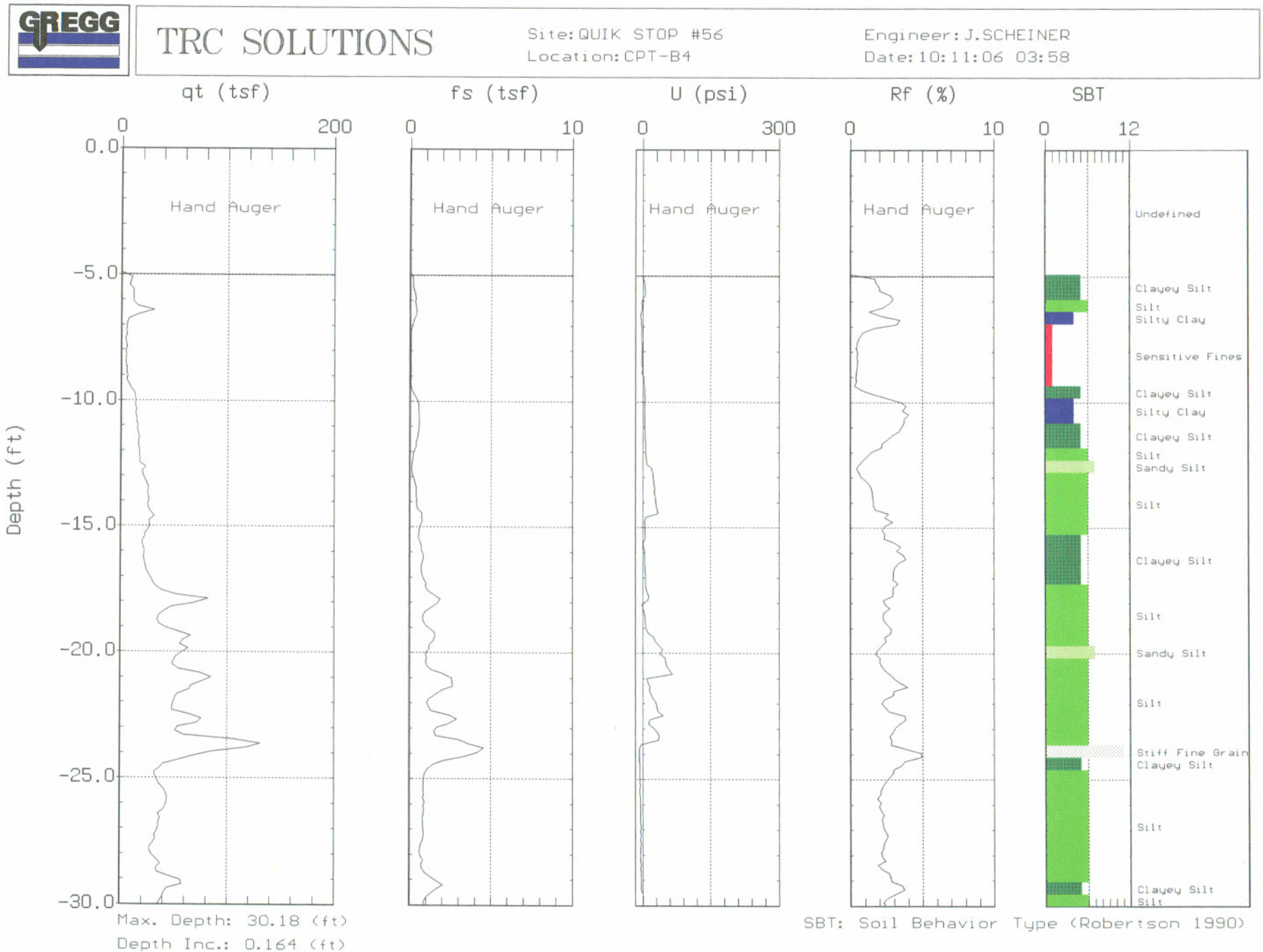
Engineer: J.SCHEINER
Date: 10:11:06 05:50



Max. Depth: 30.35 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

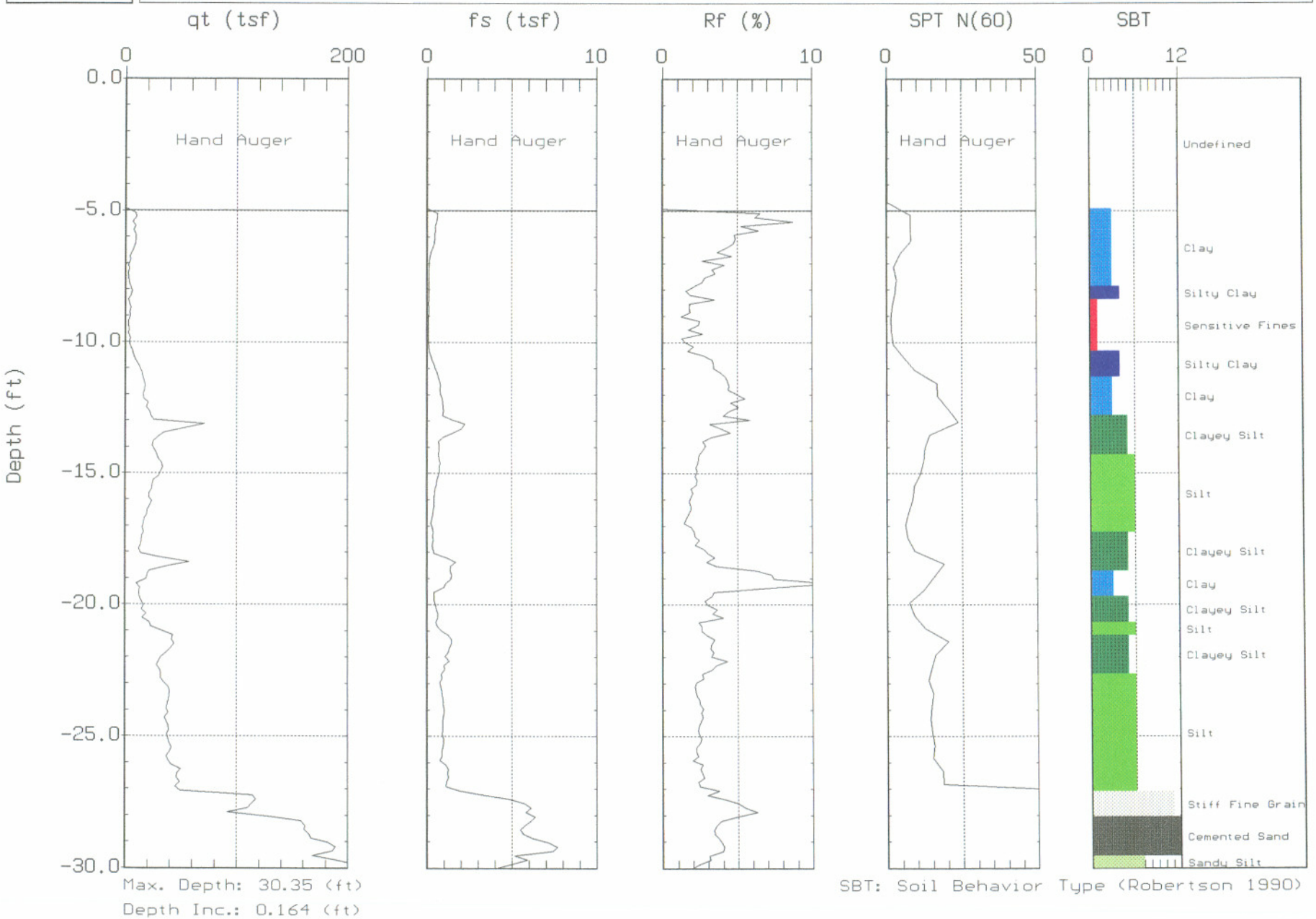

GREGG
TRC SOLUTIONS
Site: QUIK STOP #56
Location: CPT-B4
Engineer: J.SCHEINER
Date: 10:11:06 03:58
qt (tsf)
fs (tsf)
Rf (%)
SPT N(60)
SBT
0
200
10
50
12
0.0
-5.0
-10.0
-15.0
-20.0
-25.0
-30.0
Depth (ft)
Hand Auger
Undefined
Clayey Silt
Silt
Silty Clay
Sensitive Fines
Sandy Silt
Stiff Fine Grain
Max. Depth: 30.18 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)


GREGG
TRC SOLUTIONS
Site: QUIK STOP #56
Location: CPT-B4
Engineer: J.SCHEINER
Date: 10:11:06 03:58
qt (tsf)
fs (tsf)
U (psi)
Rf (%)
SBT
0
200
10
300
12
0.0
-5.0
-10.0
-15.0
-20.0
-25.0
-30.0
Depth (ft)
Hand Auger
Undefined
Clayey Silt
Silt
Silty Clay
Sensitive Fines
Sandy Silt
Stiff Fine Grain
Max. Depth: 30.18 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)

TRC SOLUTIONS

Site: QUIK STOP #56
Location: CPT-B5

Engineer: J.SCHEINER
Date: 10:11:06 08:42



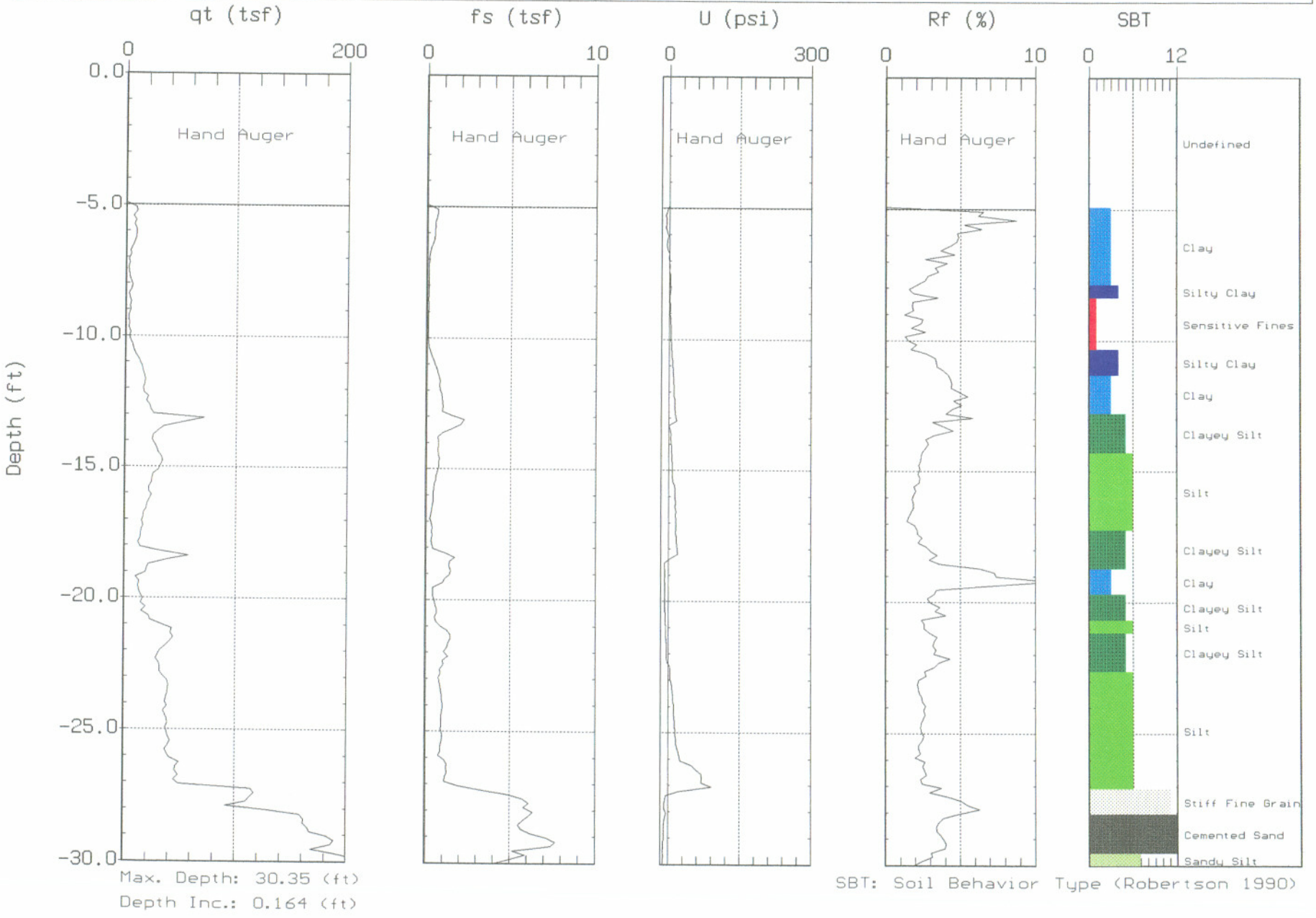
Max. Depth: 30.35 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

TRC SOLUTIONS

Site: QUIK STOP #56
Location: CPT-B5

Engineer: J.SCHEINER
Date: 10:11:06 08:42



Max. Depth: 30.35 (ft)
Depth Inc.: 0.164 (ft)

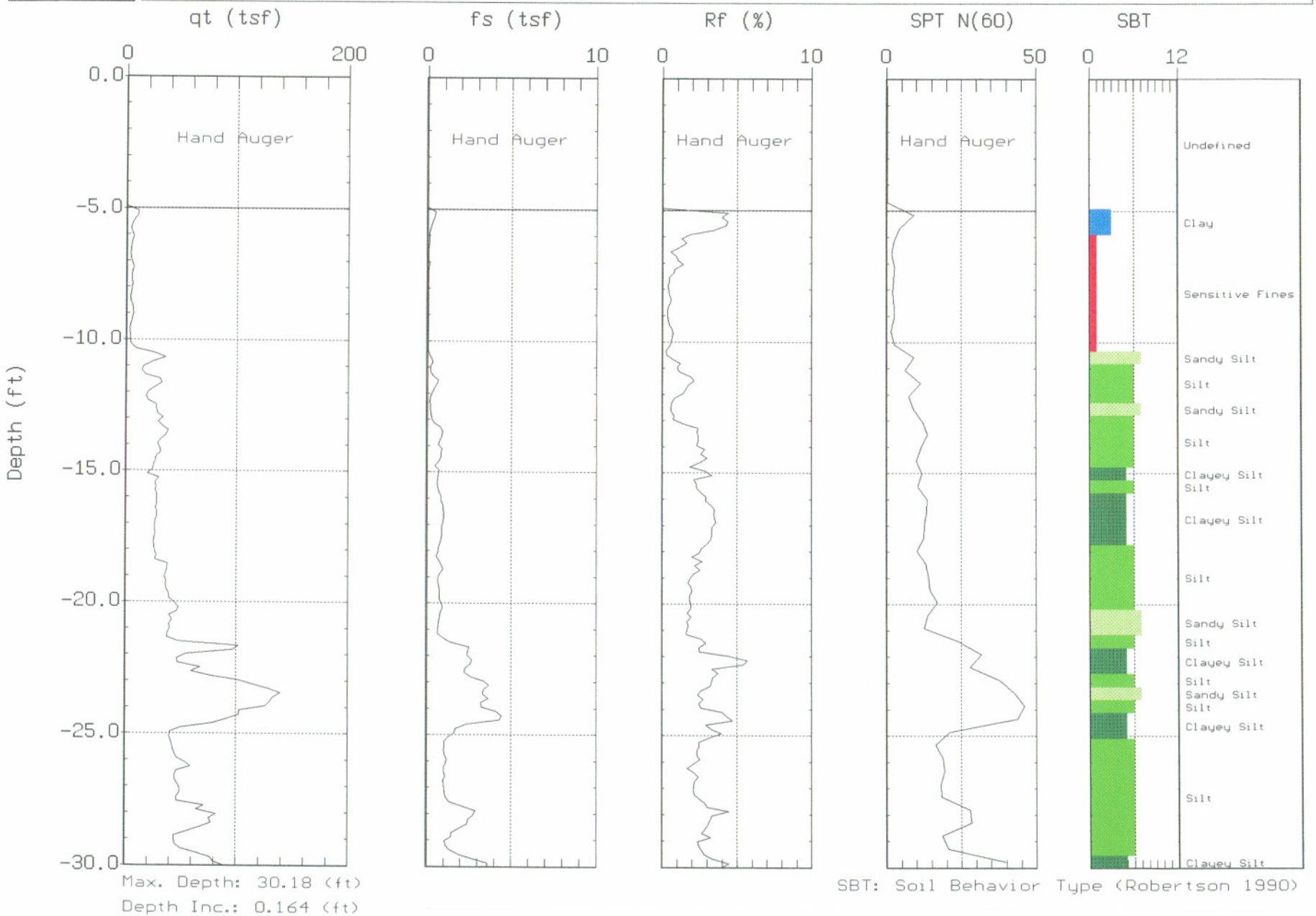
SBT: Soil Behavior Type (Robertson 1990)

GREGG

TRC SOLUTIONS

Site: QUIK STOP #56
Location: CPT-B7

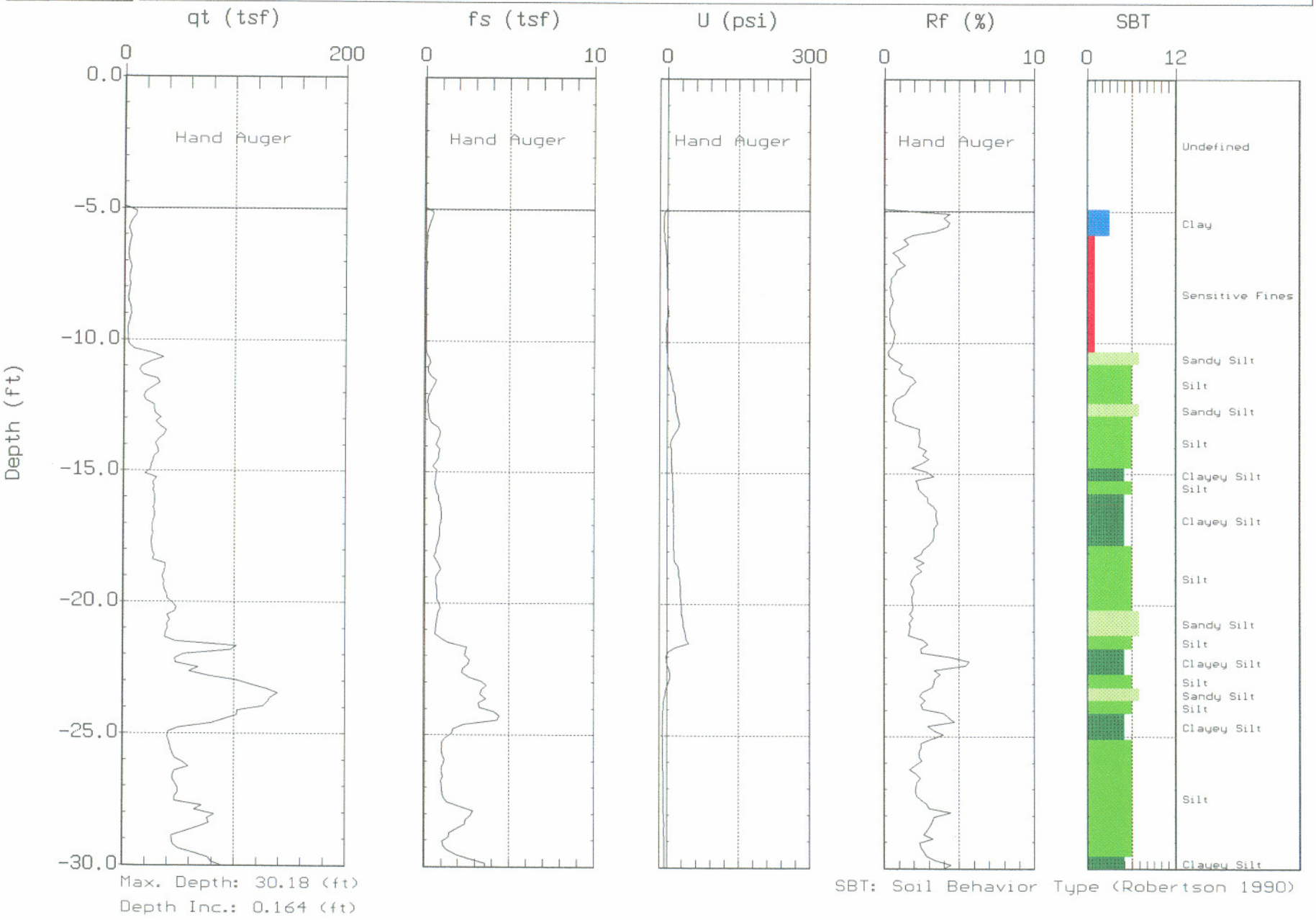
Engineer: J.SCHEINER
Date: 10:11:06 02:57



TRC SOLUTIONS

Site: QUIK STOP #56
Location: CPT-B7

Engineer: J.SCHEINER
Date: 10:11:06 02:57



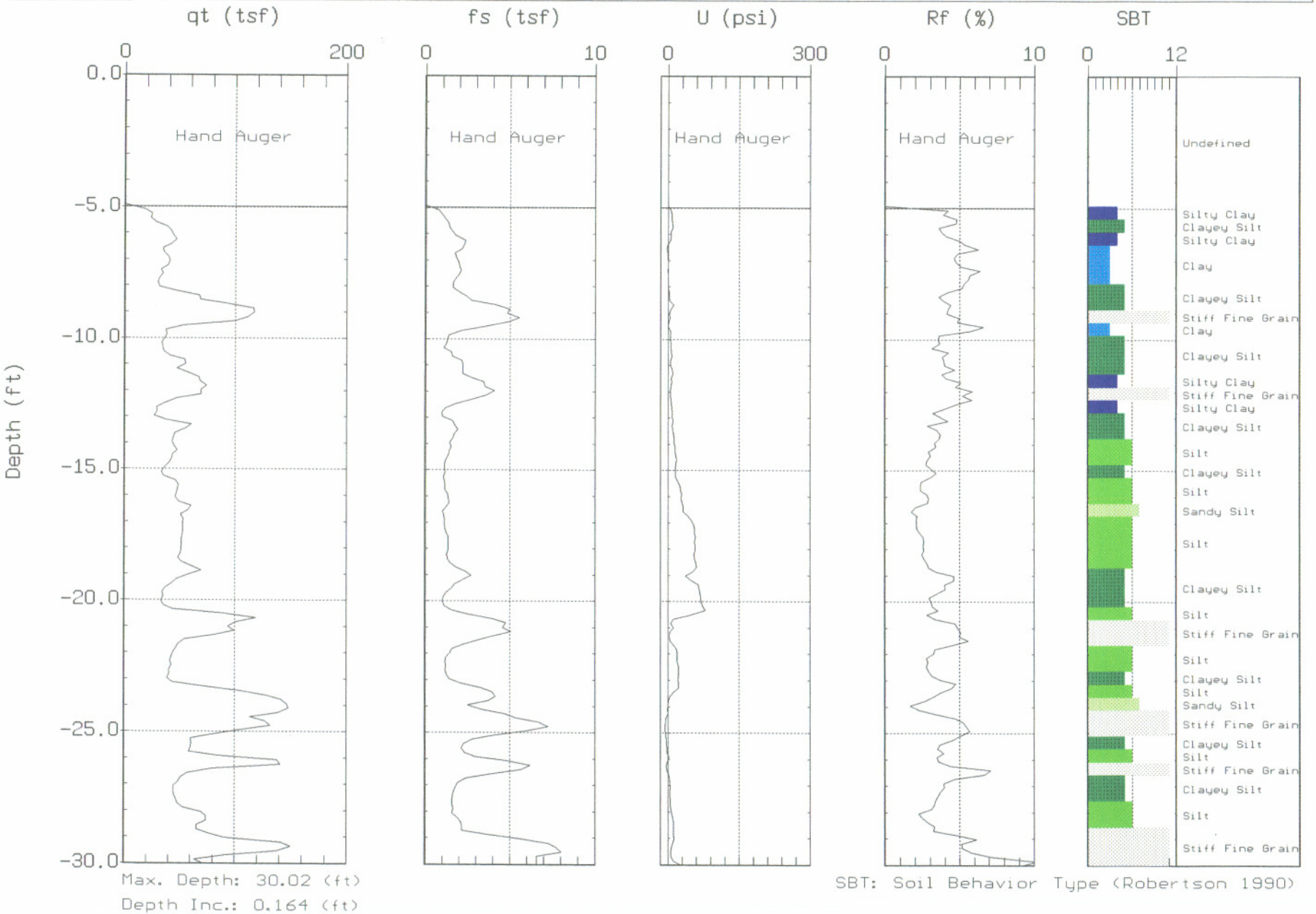
Max. Depth: 30.18 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

TRC SOLUTIONS

Site: QUIK STOP #56
Location: CPT-B8

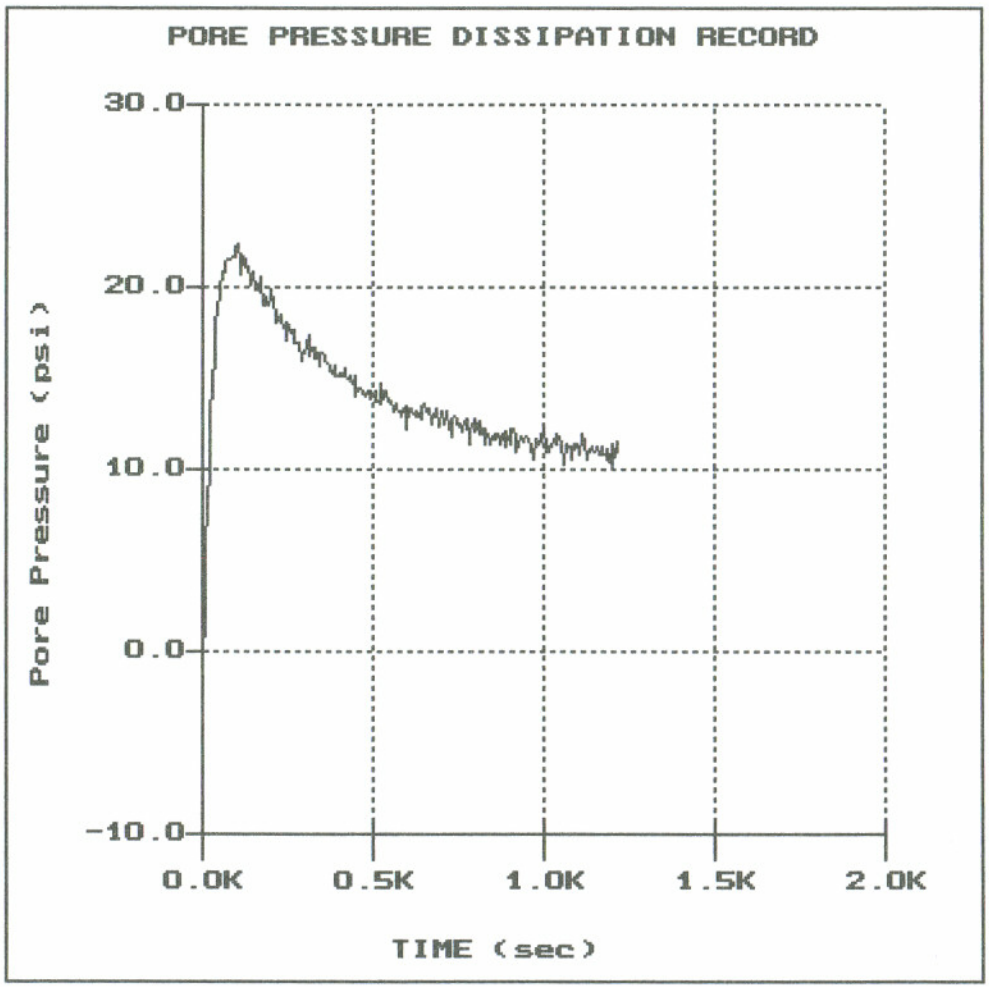
Engineer: J.SCHEINER
Date: 10:11:06 07:37



TRC SOLUTIONS

Site:QUIK STOP #56
Location:CPT-B2

Engineer:J.SCHEINER
Date:10:11:06 05:50

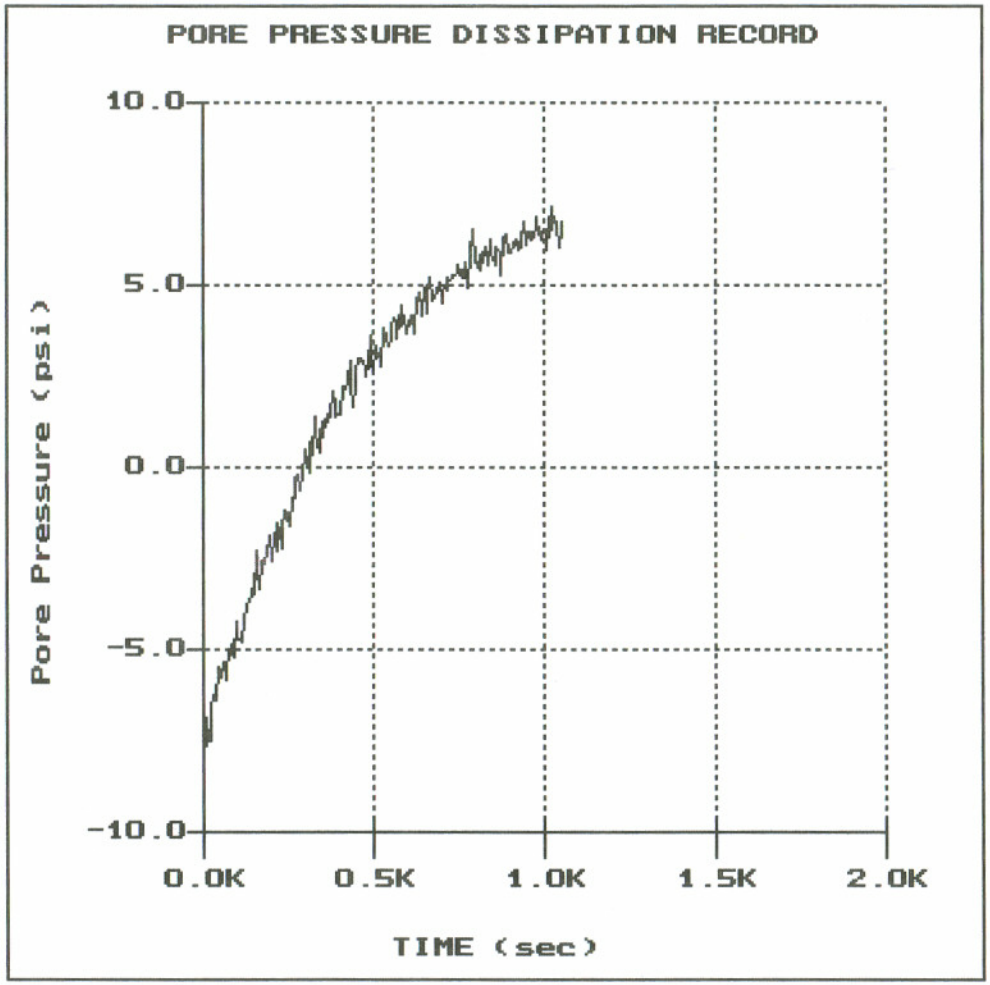


File: 351C02.PPC
Depth (m): 8.70
(ft): 28.54
Duration : 1220.0s
U-min: -1.06 0.0s
U-max: 22.34 105.0s

TRC SOLUTIONS

Site:QUIK STOP #56
Location:CPT-B4

Engineer:J.SCHEINER
Date:10:11:06 03:58

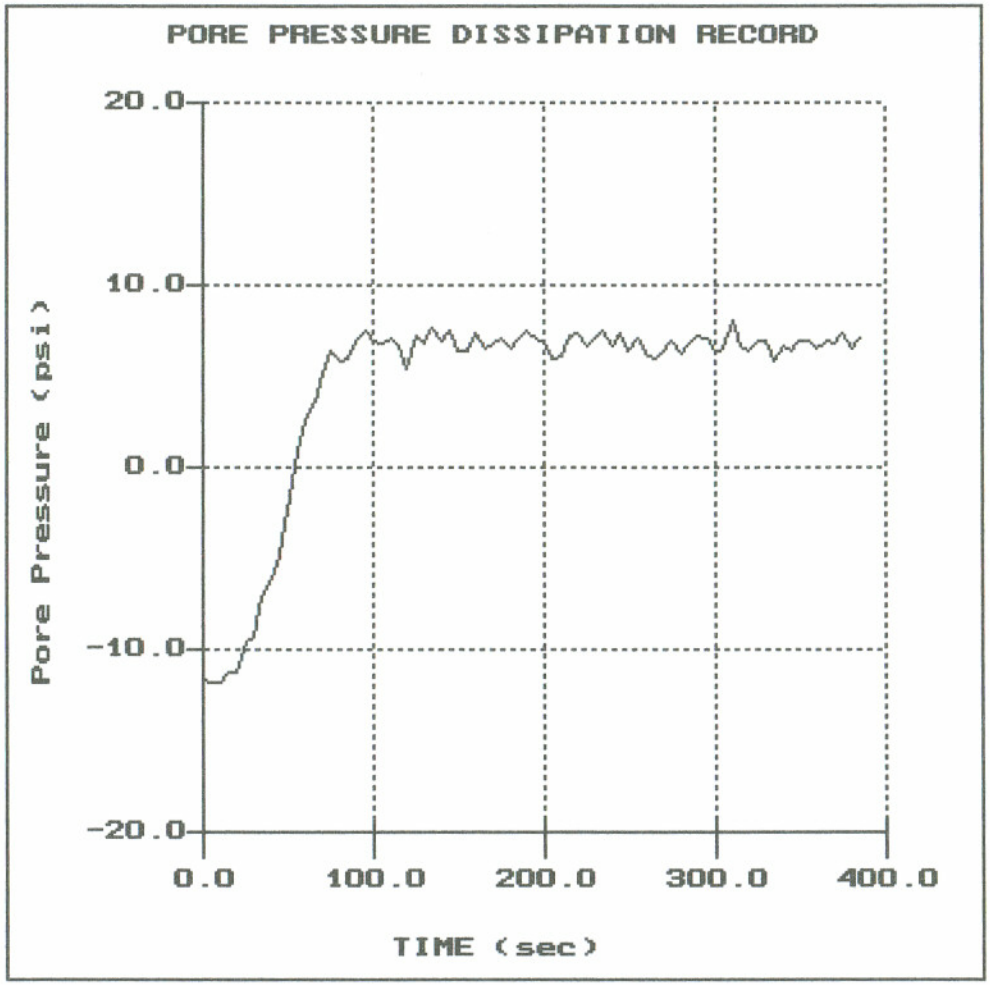


File: 351C04.PPC
Depth (m): 7.25
(ft): 23.79
Duration : 1055.0s
U-min: -7.63 5.0s
U-max: 7.16 1020.0s

TRC SOLUTIONS

Site:QUIK STOP #56
Location:CPT-B5

Engineer:J.SCHEINER
Date:10:11:06 08:42

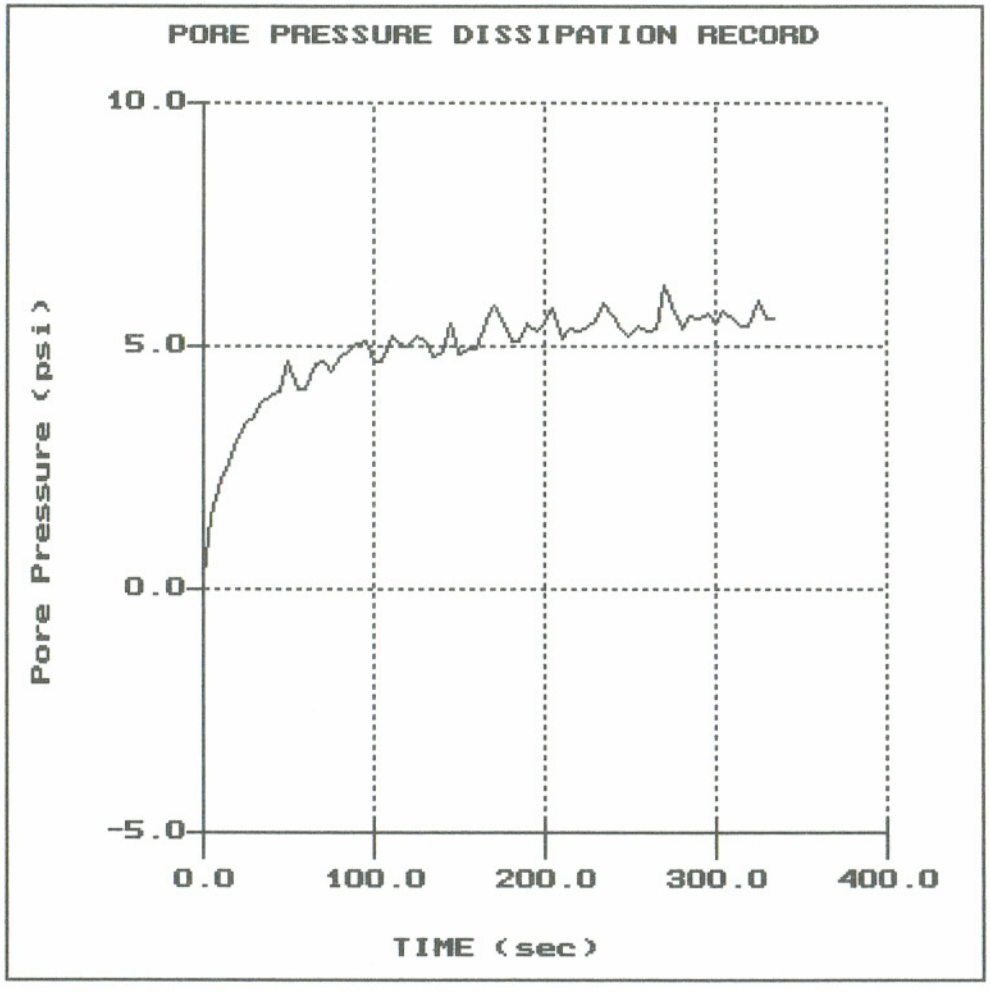


File: 351C05.PPC
Depth (m): 9.15
(ft): 30.02
Duration : 385.0s
U-min: -11.78 10.0s
U-max: 8.06 310.0s

TRC SOLUTIONS

Site:QUIK STOP #56
Location:CPT-B7

Engineer:J.SCHEINER
Date:10:11:06 02:57

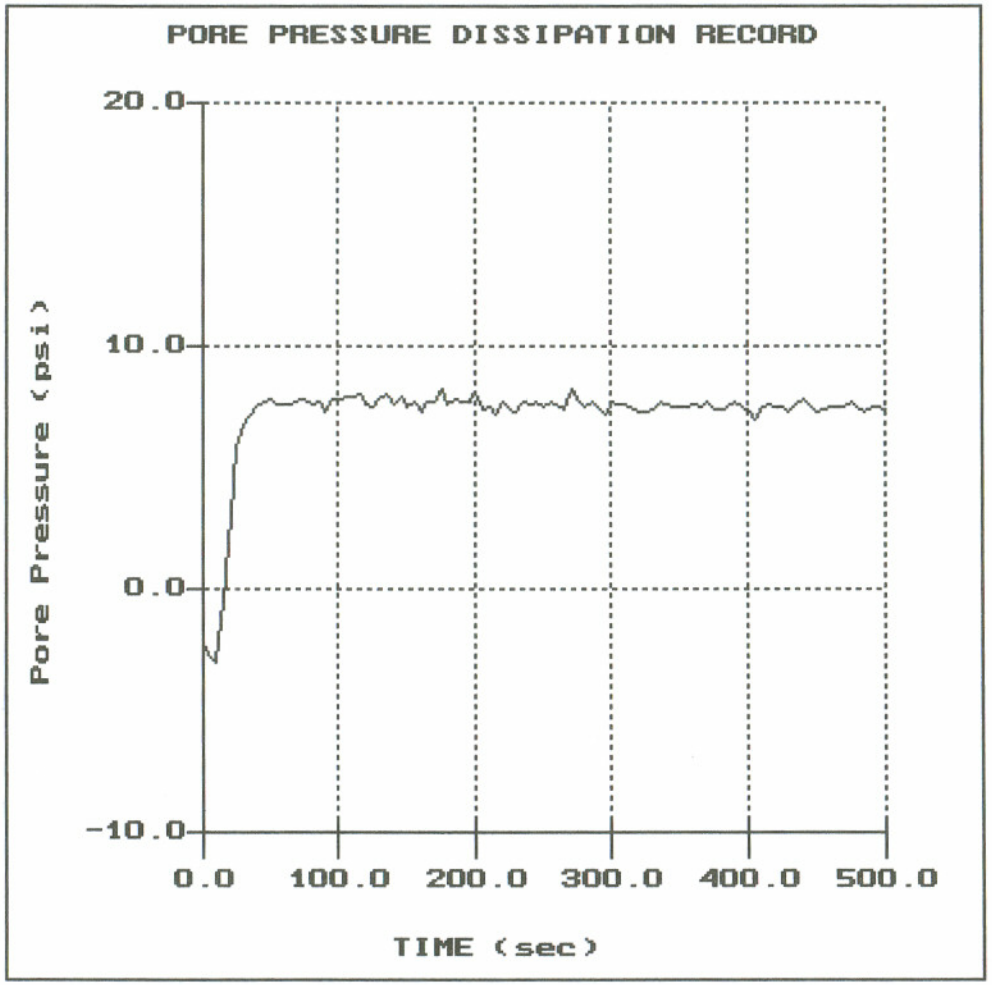


File: 351C07.PPC
Depth (m): 6.80
(ft): 22.31
Duration : 335.0s
U-min: 0.22 0.0s
U-max: 6.23 270.0s

TRC SOLUTIONS

Site:QUIK STOP #56
Location:CPT-B8

Engineer:J.SCHEINER
Date:10:11:06 07:37



File: 351C08.PPC
Depth (m): 7.35
(ft): 24.11
Duration : 500.0s
U-min: -2.99 10.0s
U-max: 8.22 270.0s

APPENDIX CPT

Cone Penetration Test Data & Interpretation

Soil behavior type and stratigraphic interpretation is based on relationships between cone bearing (q_c), sleeve friction (f_s), and pore water pressure (u_2). The friction ratio (R_f) is a calculated parameter defined by $100 f_s / q_c$ and is used to infer soil behavior type. Generally:

Cohesive soils (clays)

- High friction ratio (R_f) due to small cone bearing (q_c)
- Generate large excess pore water pressures (u_2)

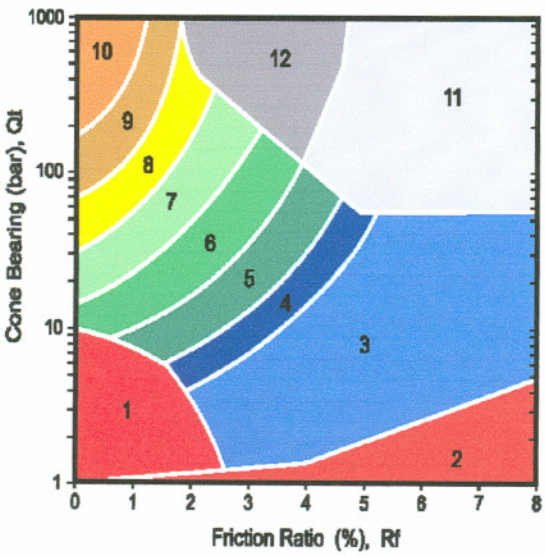
Cohesionless soils (sands)

- Low friction ratio (R_f) due to large cone bearing (q_c)
- Generate very little excess pore water pressures (u_2)

A complete set of baseline readings are taken prior to and at the completion of each sounding to determine temperature shifts and any zero load offsets. Corrections for temperature shifts and zero load offsets can be extremely important, especially when the recorded loads are relatively small. In sandy soils, however, these corrections are generally negligible.

The cone penetration test data collected from your site is presented in graphical form in Appendix CPT. The data includes CPT logs of measured soil parameters, computer calculations of interpreted soil behavior types (SBT), and additional geotechnical parameters. A summary of locations and depths is available in Table 1. Note that all penetration depths referenced in the data are with respect to the existing ground surface.

Soil interpretation for this project was conducted using recent correlations developed by Robertson, 1990, *Figure SBT*. Note that it is not always possible to clearly identify a soil type based solely on q_c, f_s, and u_2. In these situations, experience, judgment, and an assessment of the pore pressure dissipation data should be used to infer the soil behavior type.



ZONE	Qt/N	SBT
1	2	Sensitive, fine grained
2	1	Organic materials
3	1	Clay
4	1.5	Silty clay to clay
5	2	Clayey silt to silty clay
6	2.5	Sandy silt to clayey silt
7	3	Silty sand to sandy silt
8	4	Sand to silty sand
9	5	Sand
10	6	Gravely sand to sand
11	1	Very stiff fine grained*
12	2	Sand to clayey sand*

*over consolidated or cemented

Figure SBT

Cone Penetration Testing Procedure (CPT)

Gregg In Situ, Inc. carries out all Cone Penetration Tests (CPT) using an integrated electronic cone system, *Figure CPT*. The soundings were conducted using a 20 ton capacity cone with a tip area of 15 cm^2 and a friction sleeve area of 225 cm^2. The cone is designed with an equal end area friction sleeve and a tip end area ratio of 0.85.

The cone takes measurements of cone bearing (q_c), sleeve friction (f_s) and penetration pore water pressure (u_2) at 5-cm intervals during penetration to provide a nearly continuous hydrogeologic log. CPT data reduction and interpretation is performed in real time facilitating on-site decision making. The above mentioned parameters are stored on disk for further analysis and reference. All CPT soundings are performed in accordance with revised (2002) ASTM standards (D 5778-95).

The cone also contains a porous filter element located directly behind the cone tip (u_2), *Figure CPT*. It consists of porous plastic and is 5.0mm thick. The filter element is used to obtain penetration pore pressure as the cone is advanced as well as Pore Pressure Dissipation Tests (PPDT's) during appropriate pauses in penetration. It should be noted that prior to penetration, the element is fully saturated with silicon oil under vacuum pressure to ensure accurate and fast dissipation.

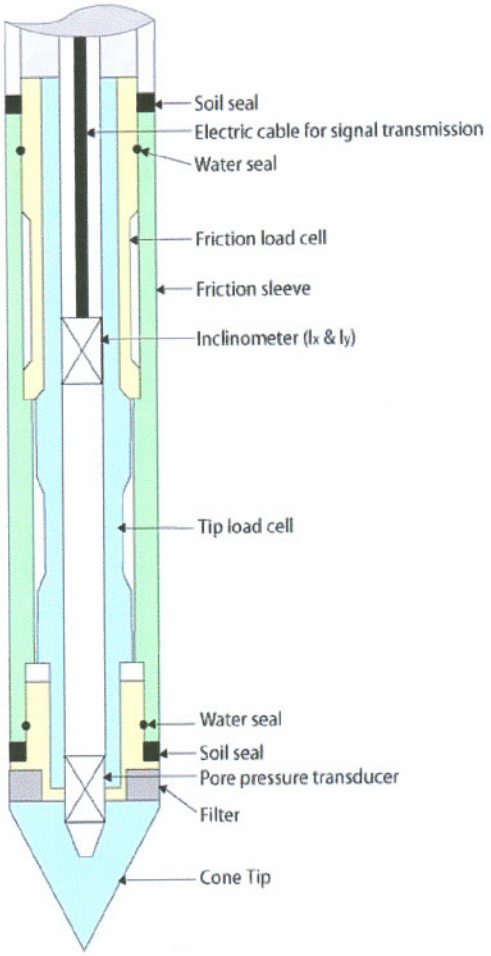


Figure CPT

When the soundings are complete, the test holes are grouted using a Gregg In Situ support rig. The grouting procedures generally consist of pushing a hollow CPT rod with a "knock out" plug to the termination depth of the test hole. Grout is then pumped under pressure as the tremie pipe is pulled from the hole. Disruption or further contamination to the site is therefore minimized.

APPENDIX PPD

Pore Pressure Dissipation Tests (PPDT)

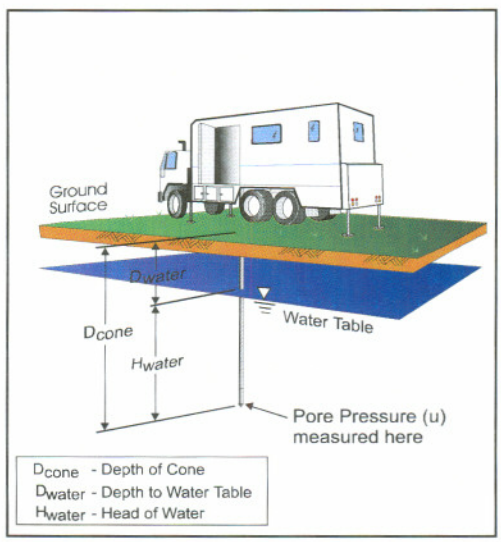
Pore Pressure Dissipation Tests (PPDT's) conducted at various intervals measured hydrostatic water pressures and determined the approximate depth of the ground water table. A PPDT is conducted when the cone is halted at specific intervals determined by the field representative. The variation of the penetration pore pressure (u) with time is measured behind the tip of the cone and recorded by a computer system.
Pore pressure dissipation data can be interpreted to provide estimates of:

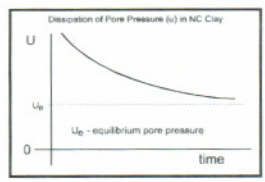
- Equilibrium piezometric pressure
- Phreatic Surface
- In situ horizontal coefficient of consolidation (c_h)
- In situ horizontal coefficient of permeability (k_h)

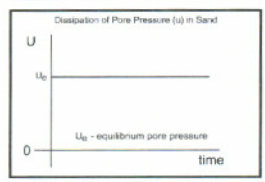
In order to correctly interpret the equilibrium piezometric pressure and/or the phreatic surface, the pore pressure must be monitored until such time as there is no variation in pore pressure with time, *Figure PPDT*. This time is commonly referred to as t_{100}, the point at which 100% of the excess pore pressure has dissipated.

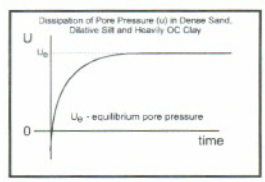
A complete reference on pore pressure dissipation tests is presented by Robertson et al. 1992.

A summary of the pore pressure dissipation tests is summarized in Table 1. Pore pressure dissipation data is presented in graphical form in Appendix PPDT.









Water Table Calculation

$$D_{water} = D_{cone} - H_{water}$$

where $H_{water} = U_e$ (depth units)

Useful Conversion Factors: 1psi = 0.704m = 2.31 feet (water)
1tsf = 0.958 bar = 13.9 psi
1m = 3.28 feet

Figure PPDT

Bibliography

Lunne, T., Robertson, P.K. and Powell, J.J.M., "Cone Penetration Testing in Geotechnical Practice" E & FN Spon. ISBN 0 419 23750, 1997

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Mayne, P.W., "NHI (2002) Manual on Subsurface Investigations: Geotechnical Site Characterization", available through www.ce.gatech.edu/~geosys/Faculty/Mayne/papers/index.html, Section 5.3, pp. 107-112.

Robertson, P.K., R.G. Campanella, D. Gillespie and A. Rice, "Seismic CPT to Measure In-Situ Shear Wave Velocity", Journal of Geotechnical Engineering ASCE, Vol. 112, No. 8, 1986 pp. 791-803.

Robertson, P.K., Sully, J., Woeller, D.J., Lunne, T., Powell, J.J.M., and Gillespie, D.J., "Guidelines for Estimating Consolidation Parameters in Soils from Piezocone Tests", Canadian Geotechnical Journal, Vol. 29, No. 4, August 1992, pp. 539-550.

Robertson, P.K., T. Lunne and J.J.M. Powell, "Geo-Environmental Application of Penetration Testing", Geotechnical Site Characterization, Robertson & Mayne (editors), 1998 Balkema, Rotterdam, ISBN 90 5410 939 4 pp 35-47.

Campanella, R.G. and I. Weemees, "Development and Use of An Electrical Resistivity Cone for Groundwater Contamination Studies", Canadian Geotechnical Journal, Vol. 27 No. 5, 1990 pp. 557-567.

DeGroot, D.J. and A.J. Lutenegger, "Reliability of Soil Gas Sampling and Characterization Techniques", International Site Characterization Conference - Atlanta, 1998.

Woeller, D.J., P.K. Robertson, T.J. Boyd and Dave Thomas, "Detection of Polyaromatic Hydrocarbon Contaminants Using the UVIF-CPT", 53rd Canadian Geotechnical Conference Montreal, QC October pp. 733-739, 2000.

Zemo, D.A., T.A. Delfino, J.D. Gallinatti, V.A. Baker and L.R. Hilpert, "Field Comparison of Analytical Results from Discrete-Depth Groundwater Samplers" BAT EnviroProbe and QED HydroPunch, Sixth national Outdoor Action Conference, Las Vegas, Nevada Proceedings, 1992, pp 299-312.

Copies of ASTM Standards are available through www.astm.org

APPENDIX C

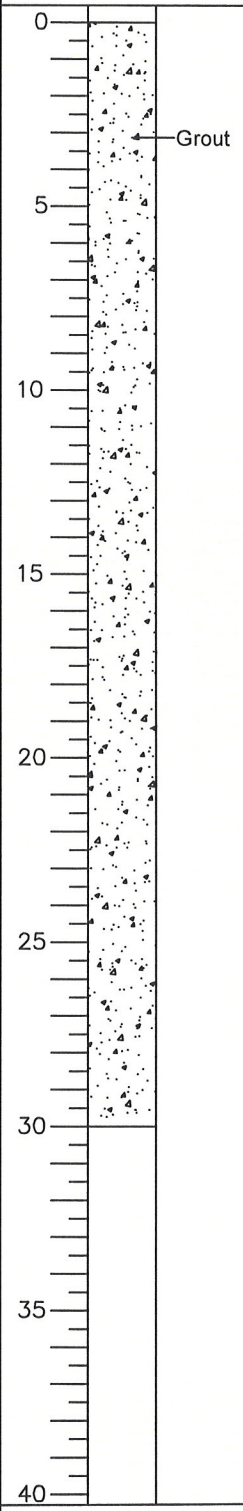
B-6 Boring Log

PROJECT NO.: 41-0236-11	DATE DRILLED: 10/13/06	NORTHING: NOT SURVEYED
LOCATION: Quik Stop No. 56	LOGGED BY: J. Kearns	EASTING: NOT SURVEYED
3132 Beaumont Avenue	APPROVED BY: K. Woodburne, PG	TOP OF CASING ELEVATION: NOT SURVEYED
Oakland, California	DRILLING CO.: Gregg Drilling	

DRILLING METHOD: 1.5-inch Direct-Push
SAMPLER TYPE:
TOTAL DEPTH: 30.0 feet
DEPTH TO WATER: 20.0 feet

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS	LITHOLOGY
				0	Hand augered to 5'.		
0.0				5	CLAY (CL): Very dark gray (10YR 3/1), 90% fines, 10% fine-grained sand, medium plasticity, stiff, dry.	CL	
0.0				10	SILT (ML): Pale brown (10YR 6/4), 90% fines, 10% fine-grained sand, loose, moist.	ML	
0.0				15	CLAY (CL): Pale brown (10YR 6/4), 90% fines, 10% fine-grained sand, medium plasticity, medium stiff, moist.	CL	
				20	SAND (SW): Pale brown (10YR 6/4), 10% fines, 90% fine- to medium-grained sand, loose, wet.	SW	
					CLAY (CL): Pale brown (10YR 6/4), 90% fines, 10% fine-grained sand, medium plasticity, stiff.	CL	
				25			
				30			
				35			
				40			

BORING BACKFILL DETAIL



TRC

LOG OF EXPLORATORY BORING

B-6
PAGE 1 OF 1

APPENDIX D

Laboratory and Chain of Custody Documentation

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

TRC-Alton Geoscience
1590 Solano Way Suite A
Concord, CA 94520

Attn: Jonathan Scheiner
Phone: (925) 688-2473
Fax: (925) 688-0388
Date Received : 10/16/06

Job#: Quick Stop #56

Metals by ICPMS
EPA Method SW6020 / SW6020A

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	**COMP**					
Lab ID :	TRC06101751-16A	Lead (Pb)	6.6	1.0 mg/Kg	10/13/06	10/17/06

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

9/27/06
Report Date

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

TRC-Alton Geoscience
1590 Solano Way Suite A
Concord, CA 94520

Attn: Jonathan Scheiner
Phone: (925) 688-2473
Fax: (925) 688-0388
Date Received : 10/16/06

Job#: Quick Stop #56

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

	Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/12/06	10/19/06
B-1 @ 3ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/12/06	10/19/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/12/06	10/19/06
TRC06101751-01A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/12/06	10/19/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/12/06	10/19/06
	Benzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/12/06	10/19/06
	Toluene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethylbenzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Xylenes, Total	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethanol	ND	10,000 µg/Kg	10/12/06	10/19/06
Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/12/06	10/19/06
B-1 @ 5ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/12/06	10/19/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/12/06	10/19/06
TRC06101751-02A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/12/06	10/19/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/12/06	10/19/06
	Benzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/12/06	10/19/06
	Toluene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethylbenzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Xylenes, Total	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethanol	ND	10,000 µg/Kg	10/12/06	10/19/06
Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/12/06	10/19/06
B-2 @ 5ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/12/06	10/19/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/12/06	10/19/06
TRC06101751-03A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/12/06	10/19/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/12/06	10/19/06
	Benzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/12/06	10/19/06
	Toluene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethylbenzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Xylenes, Total	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethanol	ND	10,000 µg/Kg	10/12/06	10/19/06

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Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/12/06	10/19/06
B-2 @ 10ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/12/06	10/19/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/12/06	10/19/06
TRC06101751-04A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/12/06	10/19/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/12/06	10/19/06
	Benzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/12/06	10/19/06
	Toluene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethylbenzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Xylenes, Total	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethanol	ND	10,000 µg/Kg	10/12/06	10/19/06
Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/12/06	10/19/06
B-2 @ 15ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/12/06	10/19/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/12/06	10/19/06
TRC06101751-05A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/12/06	10/19/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/12/06	10/19/06
	Benzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/12/06	10/19/06
	Toluene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethylbenzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Xylenes, Total	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethanol	ND	10,000 µg/Kg	10/12/06	10/19/06
Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/12/06	10/19/06
B-2 @ 20ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/12/06	10/19/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/12/06	10/19/06
TRC06101751-06A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/12/06	10/19/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/12/06	10/19/06
	Benzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/12/06	10/19/06
	Toluene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethylbenzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Xylenes, Total	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethanol	ND	10,000 µg/Kg	10/12/06	10/19/06
Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/12/06	10/19/06
B-4 @ 3ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/12/06	10/19/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/12/06	10/19/06
TRC06101751-07A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/12/06	10/19/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/12/06	10/19/06
	Benzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/12/06	10/19/06
	Toluene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethylbenzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Xylenes, Total	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethanol	ND	10,000 µg/Kg	10/12/06	10/19/06

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Client ID :	TPH-P (GRO)	1.2	1.0 mg/Kg	10/12/06	10/19/06
B-4 @ 8ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/12/06	10/19/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/12/06	10/19/06
TRC06101751-08A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/12/06	10/19/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/12/06	10/19/06
	Benzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/12/06	10/19/06
	Toluene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethylbenzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Xylenes, Total	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethanol	ND	10,000 µg/Kg	10/12/06	10/19/06
Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/12/06	10/19/06
B-6 @ 5ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/12/06	10/19/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/12/06	10/19/06
TRC06101751-09A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/12/06	10/19/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/12/06	10/19/06
	Benzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/12/06	10/19/06
	Toluene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethylbenzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Xylenes, Total	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethanol	ND	10,000 µg/Kg	10/12/06	10/19/06
Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/12/06	10/19/06
B-6 @ 10ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/12/06	10/19/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/12/06	10/19/06
TRC06101751-10A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/12/06	10/19/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/12/06	10/19/06
	Benzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/12/06	10/19/06
	Toluene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethylbenzene	ND	5.0 µg/Kg	10/12/06	10/19/06
	Xylenes, Total	ND	5.0 µg/Kg	10/12/06	10/19/06
	Ethanol	ND	10,000 µg/Kg	10/12/06	10/19/06
Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/12/06	10/23/06
B-6 @ 15ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/12/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/12/06	10/23/06
TRC06101751-11A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/12/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/12/06	10/23/06
	Benzene	ND	5.0 µg/Kg	10/12/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/12/06	10/23/06
	Toluene	ND	5.0 µg/Kg	10/12/06	10/23/06
	Ethylbenzene	ND	5.0 µg/Kg	10/12/06	10/23/06
	Xylenes, Total	ND	5.0 µg/Kg	10/12/06	10/23/06
	Ethanol	ND	10,000 µg/Kg	10/12/06	10/23/06

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Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/12/06	10/23/06
B-7 @ 5ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/12/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/12/06	10/23/06
TRC06101751-12A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/12/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/12/06	10/23/06
	Benzene	ND	5.0 µg/Kg	10/12/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/12/06	10/23/06
	Toluene	ND	5.0 µg/Kg	10/12/06	10/23/06
	Ethylbenzene	ND	5.0 µg/Kg	10/12/06	10/23/06
	Xylenes, Total	ND	5.0 µg/Kg	10/12/06	10/23/06
	Ethanol	ND	10,000 µg/Kg	10/12/06	10/23/06
Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/13/06	10/23/06
B-8 @ 3ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/13/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/13/06	10/23/06
TRC06101751-13A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/13/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/13/06	10/23/06
	Benzene	ND	5.0 µg/Kg	10/13/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/13/06	10/23/06
	Toluene	ND	5.0 µg/Kg	10/13/06	10/23/06
	Ethylbenzene	ND	5.0 µg/Kg	10/13/06	10/23/06
	Xylenes, Total	ND	5.0 µg/Kg	10/13/06	10/23/06
	Ethanol	ND	10,000 µg/Kg	10/13/06	10/23/06
Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/13/06	10/23/06
B-8 @ 8ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/13/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/13/06	10/23/06
TRC06101751-14A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/13/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/13/06	10/23/06
	Benzene	ND	5.0 µg/Kg	10/13/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/13/06	10/23/06
	Toluene	ND	5.0 µg/Kg	10/13/06	10/23/06
	Ethylbenzene	ND	5.0 µg/Kg	10/13/06	10/23/06
	Xylenes, Total	ND	5.0 µg/Kg	10/13/06	10/23/06
	Ethanol	ND	10,000 µg/Kg	10/13/06	10/23/06
Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/13/06	10/23/06
B-8 @ 12ft.	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/13/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/13/06	10/23/06
TRC06101751-15A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/13/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/13/06	10/23/06
	Benzene	ND	5.0 µg/Kg	10/13/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/13/06	10/23/06
	Toluene	ND	5.0 µg/Kg	10/13/06	10/23/06
	Ethylbenzene	ND	5.0 µg/Kg	10/13/06	10/23/06
	Xylenes, Total	ND	5.0 µg/Kg	10/13/06	10/23/06
	Ethanol	ND	10,000 µg/Kg	10/13/06	10/23/06

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Client ID :	TPH-P (GRO)	ND	1.0 mg/Kg	10/13/06	10/23/06
COMP	Tertiary Butyl Alcohol (TBA)	ND	500 µg/Kg	10/13/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	5.0 µg/Kg	10/13/06	10/23/06
TRC06101751-16A	Di-isopropyl Ether (DIPE)	ND	20 µg/Kg	10/13/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/Kg	10/13/06	10/23/06
	Benzene	ND	5.0 µg/Kg	10/13/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND	20 µg/Kg	10/13/06	10/23/06
	Toluene	ND	5.0 µg/Kg	10/13/06	10/23/06
	Ethylbenzene	ND	5.0 µg/Kg	10/13/06	10/23/06
	Xylenes, Total	ND	5.0 µg/Kg	10/13/06	10/23/06
	Ethanol	ND	10,000 µg/Kg	10/13/06	10/23/06
Client ID :	TPH-P (GRO)	ND	0.050 mg/L	10/12/06	10/23/06
B-1	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	10/12/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	6.0	0.50 µg/L	10/12/06	10/23/06
TRC06101751-17A	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	10/12/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	10/12/06	10/23/06
	Benzene	ND	0.50 µg/L	10/12/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	10/12/06	10/23/06
	Toluene	ND	0.50 µg/L	10/12/06	10/23/06
	Ethylbenzene	ND	0.50 µg/L	10/12/06	10/23/06
	Xylenes, Total	ND	0.50 µg/L	10/12/06	10/23/06
	Ethanol	ND	500 µg/L	10/12/06	10/23/06
Client ID :	TPH-P (GRO)	0.41	0.10 mg/L	10/12/06	10/23/06
B-2	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	10/12/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	710	0.50 µg/L	10/12/06	10/23/06
TRC06101751-18A	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	10/12/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	10/12/06	10/23/06
	Benzene	ND	0.50 µg/L	10/12/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	10/12/06	10/23/06
	Toluene	ND	0.50 µg/L	10/12/06	10/23/06
	Ethylbenzene	ND	0.50 µg/L	10/12/06	10/23/06
	Xylenes, Total	ND	0.50 µg/L	10/12/06	10/23/06
	Ethanol	ND	500 µg/L	10/12/06	10/23/06
Client ID :	TPH-P (GRO)	0.084	0.050 mg/L	10/12/06	10/23/06
B-4	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	10/12/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	3.5	0.50 µg/L	10/12/06	10/23/06
TRC06101751-19A	Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	10/12/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	10/12/06	10/23/06
	Benzene	ND	0.50 µg/L	10/12/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	10/12/06	10/23/06
	Toluene	ND	0.50 µg/L	10/12/06	10/23/06
	Ethylbenzene	ND	0.50 µg/L	10/12/06	10/23/06
	Xylenes, Total	ND	0.50 µg/L	10/12/06	10/23/06
	Ethanol	ND	500 µg/L	10/12/06	10/23/06

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Client ID :	TPH-P (GRO)	ND	V	0.20 mg/L	10/12/06	10/23/06
B-5	Tertiary Butyl Alcohol (TBA)	1,600		20 µg/L	10/12/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	11		1.0 µg/L	10/12/06	10/23/06
TRC06101751-20A	Di-isopropyl Ether (DIPE)	ND	V	2.0 µg/L	10/12/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	V	2.0 µg/L	10/12/06	10/23/06
	Benzene	ND	V	1.0 µg/L	10/12/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND	V	2.0 µg/L	10/12/06	10/23/06
	Toluene	3.9		1.0 µg/L	10/12/06	10/23/06
	Ethylbenzene	ND	V	1.0 µg/L	10/12/06	10/23/06
	Xylenes, Total	ND	V	1.0 µg/L	10/12/06	10/23/06
	Ethanol	ND	V	1,000 µg/L	10/12/06	10/23/06
Client ID :	TPH-P (GRO)	ND		0.050 mg/L	10/12/06	10/23/06
B-6	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	10/12/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	2.6		0.50 µg/L	10/12/06	10/23/06
TRC06101751-21A	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	10/12/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	10/12/06	10/23/06
	Benzene	ND		0.50 µg/L	10/12/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	10/12/06	10/23/06
	Toluene	ND		0.50 µg/L	10/12/06	10/23/06
	Ethylbenzene	ND		0.50 µg/L	10/12/06	10/23/06
	Xylenes, Total	ND		0.50 µg/L	10/12/06	10/23/06
	Ethanol	ND		500 µg/L	10/12/06	10/23/06
Client ID :	TPH-P (GRO)	ND		0.050 mg/L	10/12/06	10/23/06
B-7	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	10/12/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	10/12/06	10/23/06
TRC06101751-22A	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	10/12/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	10/12/06	10/23/06
	Benzene	ND		0.50 µg/L	10/12/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	10/12/06	10/23/06
	Toluene	ND		0.50 µg/L	10/12/06	10/23/06
	Ethylbenzene	ND		0.50 µg/L	10/12/06	10/23/06
	Xylenes, Total	ND		0.50 µg/L	10/12/06	10/23/06
	Ethanol	ND		500 µg/L	10/12/06	10/23/06
Client ID :	TPH-P (GRO)	ND		0.050 mg/L	10/13/06	10/23/06
B-8	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	10/13/06	10/23/06
Lab ID :	Methyl tert-butyl ether (MTBE)	2.1		0.50 µg/L	10/13/06	10/23/06
TRC06101751-23A	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	10/13/06	10/23/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	10/13/06	10/23/06
	Benzene	ND		0.50 µg/L	10/13/06	10/23/06
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	10/13/06	10/23/06
	Toluene	ND		0.50 µg/L	10/13/06	10/23/06
	Ethylbenzene	ND		0.50 µg/L	10/13/06	10/23/06
	Xylenes, Total	ND		0.50 µg/L	10/13/06	10/23/06
	Ethanol	ND		500 µg/L	10/13/06	10/23/06

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Gasoline Range Organics (GRO) C4-C13

V = Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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10/27/06

Report Date

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VOC Sample Preservation Report

Work Order: TRC06101751 **Project:** Quick Stop #56

Alpha's Sample ID	Client's Sample ID	Matrix	pH
06101751-17A	B-1	Aqueous	3
06101751-18A	B-2	Aqueous	3
06101751-19A	B-4	Aqueous	2
06101751-20A	B-5	Aqueous	3
06101751-21A	B-6	Aqueous	3
06101751-22A	B-7	Aqueous	6
06101751-23A	B-8	Aqueous	6

10/27/06

Report Date

Billing Information :

Amended

CHAIN-OF-CUSTODY RECORD

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

CA

WorkOrder : TRC06101751

Report Due By : 5:00 PM On : 30-Oct-06

Client:
TRC-Alton Geoscience
1590 Solano Way Suite A

Concord, CA 94520

Jonathan Scheiner
TEL : (925) 688-2473 x
FAX : (925) 688-0388
EMail jscheiner@trcsolutions.com

EDD Required : **Yes**

Sampled by : Client

Report Attention : Jonathan Scheiner Job : Quick Stop #56

CC Report : PO : Client's COC # : 15668

Cooler Temp	Samples Received	Date Printed
4 °C	16-Oct-06	27-Oct-06

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests METALS_SO	TPH/P_S	TPH/P_W	VOC_S	VOC_W				Sample Remarks
TRC06101751-01A	B-1 @ 3ft.	SO	10/12/06 09:49	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-02A	B-1 @ 5ft.	SO	10/12/06 09:58	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-03A	B-2 @ 5ft.	SO	10/12/06 11:40	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-04A	B-2 @ 10ft.	SO	10/12/06 11:45	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-05A	B-2 @ 15ft.	SO	10/12/06 11:55	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-06A	B-2 @ 20ft.	SO	10/12/06 12:05	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-07A	B-4 @ 3ft.	SO	10/12/06 13:52	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-08A	B-4 @ 8ft.	SO	10/12/06 14:01	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-09A	B-6 @ 5ft.	SO	10/12/06 15:07	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-10A	B-6 @ 10ft.	SO	10/12/06 15:10	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					

Comments: Security seals intact. Frozen ice. Total Xylenes. Samples rec'd Mon., not logged in until Tues. Samples kept cold and seucre until login. Amended 10/27/06@15:45 per client chain and samples provided I changed the matrix for samples 01A-16A from water to : soil due to log-in error. TDD

	Signature	Print Name	Company	Date/Time
~~Amended by:~~ ~~Logged in by:~~	Tracy DeGiovanni	T. DeGiovanni	Alpha Analytical, Inc.	10/27/06 15:45

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

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

WorkOrder : TRC06101751

Report Due By : 5:00 PM On : 30-Oct-06

Client:
TRC-Alton Geoscience
1590 Solano Way Suite A

Concord, CA 94520

Jonathan Scheiner
TEL : (925) 688-2473 x
FAX : (925) 688-0388
EMail jscheiner@trcsolutions.com

EDD Required : **Yes**

Sampled by : Client

Report Attention : Jonathan Scheiner Job : Quick Stop #56
CC Report : PO : Client's COC # : 15668

Cooler Temp	Samples Received	Date Printed
4 °C	16-Oct-06	27-Oct-06

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests METALS_SO	TPH/P_S	TPH/P_W	VOC_S	VOC_W				Sample Remarks
TRC06101751-11A	B-6 @ 15ft.	SO	10/12/06 15:17	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-12A	B-7 @ 5ft.	SO	10/12/06 15:42	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-13A	B-8 @ 3ft.	SO	10/13/06 07:53	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-14A	B-8 @ 8ft.	SO	10/13/06 08:05	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-15A	B-8 @ 12ft.	SO	10/13/06 08:10	1	0	10			GAS-C		BTEX/OXY/ EtOH_C					
TRC06101751-16A	COMP	SO	10/13/06 00:00	4	0	10		Pb	GAS-C		BTEX/OXY/ EtOH_C					Combine for composite sample.
TRC06101751-17A	B-1	AQ	10/12/06 11:05	6	0	10				GAS-C		BTEX/OXY/ EtOH_C				
TRC06101751-18A	B-2	AQ	10/12/06 11:20	6	0	10				GAS-C		BTEX/OXY/ EtOH_C				
TRC06101751-19A	B-4	AQ	10/12/06 14:17	6	0	10				GAS-C		BTEX/OXY/ EtOH_C				
TRC06101751-20A	B-5	AQ	10/12/06 14:45	6	0	10				GAS-C		BTEX/OXY/ EtOH_C				

Comments: Security seals intact. Frozen ice. Total Xylenes. Samples rec'd Mon., not logged in until Tues. Samples kept cold and seucre until login. Amended 10/27/06@15:45 per client chain and samples provided I changed the matrix for samples 01A-16A from water to : soil due to log-in error. TDD

	Signature	Print Name	Company	Date/Time
Amended by:	Tracy DeGiovanni	T. DeGiovanni	Alpha Analytical, Inc.	10/27/06 15:45
~~Logged in by:~~				

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
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Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

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

WorkOrder : TRC06101751

Report Due By : 5:00 PM On : 30-Oct-06

Client:
TRC-Alton Geoscience
1590 Solano Way Suite A

Concord, CA 94520

Jonathan Scheiner
TEL : (925) 688-2473 x
FAX : (925) 688-0388
EMail jscheiner@trcsolutions.com

EDD Required : **Yes**

Sampled by : Client

Report Attention : Jonathan Scheiner Job : Quick Stop #56
CC Report : PO : Client's COC # : 15668

Cooler Temp	Samples Received	Date Printed
4 °C	16-Oct-06	27-Oct-06

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests: METALS_SO	TPH/P_S	TPH/P_W	VOC_S	VOC_W				Sample Remarks
TRC06101751-21A	B-6	AQ	10/12/06 15:40	6	0	10				GAS-C		BTEX/OXY/ EtOH_C				
TRC06101751-22A	B-7	AQ	10/12/06 15:55	6	0	10				GAS-C		BTEX/OXY/ EtOH_C				
TRC06101751-23A	B-8	AQ	10/13/06 08:30	6	0	10				GAS-C		BTEX/OXY/ EtOH_C				

Comments: Security seals intact. Frozen ice. Total Xylenes. Samples rec'd Mon., not logged in until Tues. Samples kept cold and seucre until login. Amended 10/27/06@15:45 per client chain and samples provided I changed the matrix for samples 01A-16A from water to : soil due to log-in error. TDD

	Signature	Print Name	Company	Date/Time
Amended by:	Tracy DeBiovanni	T. DeBiovanni	Alpha Analytical, Inc.	10/27/06 15:45
~~Logged in by:~~				

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
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Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:
Name Quik Stop #56
Address
City, State, Zip
Phone Number Fax

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

Samples Collected From Which State?
AZ ___ CA X NV ___ WA ___
ID ___ OR ___ OTHER ___ Page # ___ of ___

15667

Client Name	P.O. #	Job #
TRC		Quik Stop #56
Address	**EMail Address**	
1590 Solano Way Suite A		
City, State, Zip	**Phone #**	**Fax #**
Concord, CA 94520	(925) 688-1200	(925) 688-0388

Analyses Required: TPH-g by 8260; BTEX, MTBE, DIPE, ETBE, TAME, TBA & EDB by 8260

Required QC Level? I II III IV

EDD / EDF? YES ___ NO ___

Global ID # ___

Time Sampled	Date Sampled	Matrix* See Key Below	Sampled by / Lab ID Number (Office Use Only)	Report Attention / Sample Description	TAT	Field Filtered	Total and type of containers ** See below	TPH-g	BTEX...	EDB	REMARKS
0949	10/12	SO	TRC061751-01	B-1 @ 3'	Std.		1	X	X	X	
0958	10/12		-02	" " 5'							
1140			-03	B-2 @ 5'							
1145			-04	" " 10'							
1155			-05	" " 15'							
1205			-06	" " 20'							
1352			-07	B-4 @ 3'							
1401			-08	" @ 8'							
1507			-09	B-6 @ 5'							
1510			-10	" " 10'							
1517			-11	" " 15'							
1542			-12	B-7 @ 5'							
0753	10/13		-13	B-8 @ 3'							

ADDITIONAL INSTRUCTIONS:

	Signature	Print Name	Company	Date	Time
Relinquished by		JEREMY KEARNS	TRC	10/13/06	1200
Received by		Tonya Dickinson	Alpha	10/17/06	830
Relinquished by					
Received by					
Relinquished by					
Received by					

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

Billing Information:
Name QUIK STOP #56
Address
City, State, Zip
Phone Number Fax

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

Samples Collected From Which State?
AZ ___ CA X NV ___ WA ___
ID ___ OR ___ OTHER ___ Page # ___ of ___

15668

Client Name	P.O. #	Job #
TRC		QUIK STOP #56
Address	EMail Address	
1990 Solano Way Suite A	jscheiner@trcsolutions.com	
City, State, Zip	Phone #	Fax #
Concord CA 94526	(925) 688-1204	(925) 688-0388

Analyses Required

Required QC Level? I II III IV

EDD / EDF? YES ___ NO ___

Global ID # ___

Time Sampled	Date Sampled	Matrix* See Key Below	Sampled by / Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	TPH-g by 8260	BTEX, MTBE, DIPE, ETBE, TAME, TBA & Ethanol by 8260	TOTAL LEAD				REMARKS
0805	10/13	SO	TRC0675I-14	B-8 @ 8'	Std		1	X	X	X	X			
0810	↓	↓	-15	B-8 @ 12'	↓		1	X	X	X	X			
—	10/13	SO	-16	COMP	Std		4	X	X	X	X			COMBINE FOR COMPOSITE SAMPLE.
1105	10/12	AQ	-17	B-1			6	X	X	X				
1120			-18	B-2										
1417			-19	B-4										
1445			-20	B-5										
1511			-21	B-6										
1555	↓	↓	-22	B-7										
0830	10/13	AQ	-23	B-8	↓		↓	↓	↓	↓				

ADDITIONAL INSTRUCTIONS:

	Signature	Print Name	Company	Date	Time
Relinquished by		JEREMY KEARNS	TRC	10/13/06	1200
Received by	Tara Dickinson	Tara Dickinson	alpha	10/17/06	830
Relinquished by					
Received by					
Relinquished by					
Received by					

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.