

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

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

June 12, 2007

Mr. Lee Cover
Hanson Aggregates
3000 Busch Road
P.O. Box 580
Pleasanton, CA 94566-0808

Subject: Fuel Leak Case No. RO0002858 and Geotracker Global ID T06019765846, Hanson Aggregates, 3000 Busch Road, Pleasanton, CA 94566

Dear Mr. Cover:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

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

- Residual total petroleum hydrocarbons as diesel remain in soil at concentrations up to 210 ppm.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Donna L. Drogos". The signature is fluid and cursive, written over the typed name and title.

Donna L. Drogos, P.E.
LOP and Toxics Program Manager

Enclosures:

1. Remedial Action Completion Certificate
2. Case Closure Summary

cc:

Ms. Cherie McCaulou (w/enc)
SF- Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Mr. Toru Okamoto (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Ms. Danielle Stefani (w/enc)
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

Ms. Colleen Winey, QIC 80201 (w/enc)
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

City of Pleasanton Planning and Community
Development (w/enc)
200 Old Bernal Avenue
P.O. Box 520
Pleasanton, CA 94566-0802

Mr. Andrew Lojo
Brown and Caldwell
Suite 115, 201 North Civic Drive
Walnut Creek, CA 94596-3864

Jerry Wickham (w/orig enc), D. Drogos (w/enc), File (w/enc)



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June 12, 2007

Mr. Lee Cover
Hanson Aggregates
3000 Busch Road
P.O. Box 580
Pleasanton, CA 94566-0808

REMEDIAL ACTION COMPLETION CERTIFICATE

Dear Mr. Cover:

Subject: Fuel Leak Case No. RO0002858 and Geotracker Global ID T06019765846, Hanson Aggregates, 3000 Busch Road, Pleasanton, CA 94566

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Ariu Levi
Director
Alameda County Environmental Health

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

I. AGENCY INFORMATION

Date: May 17, 2007

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Hanson Aggregates Mid Pacific, Inc.		
Site Facility Address: 3000 Busch Road, Pleasanton, CA 94566		
RB Case No.: ---	Local Case No.: ---	LOP Case No.: RO0002858
URF Filing Date: 12/15/2004	Geotracker Global ID: T06019765846	APN: 946-1250-19-1
Responsible Parties	Addresses	Phone Numbers
Lee Cover, Hanson Aggregates	3000 Busch Road, Pleasanton, CA 94566	925-426-4170

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	12,000 gallons	Diesel	Removed	05/21/2003
2	10,000 gallons	Gasoline	Removed	05/21/2003
Piping			Removed	05/21/2003

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. No holes, cracks, or other signs of failure were observed in the tanks during removal. Small volume of fuel released during the disconnection of dispensers or fuel lines from tanks,	
Site characterization complete? Yes	Date Approved By Oversight Agency: ----

Monitoring wells installed? No	Number: 0	Proper screened interval? --
Highest GW Depth Below Ground Surface: 66	Lowest Depth: 71	Flow Direction: Presumed to northwest based on regional flow direction.
Most Sensitive Current Use: Drinking water source.		

<p>Summary of Production Wells in Vicinity: The nearest water supply well is an on-site production well (3S/1E 15D4) that is currently non-operational. The well is located adjacent to the Truck Shop approximately 250 feet south of the site. Since fuel hydrocarbons were not detected in grab groundwater samples collected beneath the former USTs and the well is in a presumed cross gradient direction, the well is not expected to be a receptor for the site. An abandoned well (3S/1E 15D4) is located approximately 1,200 feet northwest of the site. Based on the distance of the well from the site and the absence of detectable concentrations of fuel hydrocarbons at the site, the well is not expected to be a receptor for the site.</p>	
Are drinking water wells affected? No	Aquifer Name: Amador Subbasin of Livermore/Amador Basin
Is surface water affected? No	Nearest SW Name: An unnamed stormwater retention pond is located approximately 450 feet northwest of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health and Livermore-Pleasanton Fire Department

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	1 – 12,000 gallon tank 1 – 10,000 gallon tank	Transported to Ecology Control Industries in Richmond, CA for disposal	05/21/2003
Piping	Not reported	Transported to Ecology Control Industries in Richmond, CA for disposal	05/21/2003
Free Product	None	---	--
Soil	Approximately 7 cubic yards	Moved to a vacant, unpaved area of the site and spread on the surface	05/27/2003
Groundwater	None	---	--

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
 (Please see Attachments 1 through 7 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	<1	<1	<50	<50
TPH (Diesel)	210	210	<50	<50
Oil and Grease	NA	NA	NA	NA
Benzene	<0.005	<0.005	<0.5	<0.5
Toluene	<0.005	<0.005	<0.5	<0.5
Ethylbenzene	<0.005	<0.005	<0.5	<0.5
Xylenes	<0.005	<0.005	<0.5	<0.5
Lead	<5(1)	<5(1)	NA	NA
MTBE	<0.005(2)	<0.005(2)	<0.5(2)	<0.5(2)
Other (8240/8270)	ND(3)	ND(3)	NA(4)	NA(4)

- (1) Total lead; no other metals analysis conducted.
 (2) MTBE; no other fuel oxygenates analyzed.
 (3) No other VOCs detected by Method 8260B, variable detection limits; no SVOC analyses.
 (4) No other VOCs or SVOCs analyzed.

Site History and Description of Corrective Actions:

One 12,000-gallon diesel UST and one 10,000-gallon gasoline UST was removed from the site on May 23, 2003. A total of eight soil samples were collected from the floor and sidewalls of the excavation and two soil samples were collected from the soil stockpile. TPH as gasoline, BTEX, MTBE, and total lead were not detected in any of the soil samples. One of the soil samples collected below the dispenser at a depth of 1.0-1.5 feet bgs contained TPH as diesel at concentration of 210 ppm and one of the stockpile soil samples contained 10 ppm of TPH as diesel. The remaining soil samples did not have detectable concentrations of TPH as diesel. Minor fuel releases were reported during the UST removal activities and were suspected to contribute to the detections of TPH as diesel in two of the soil samples. Most of the approximately 100 to 120 cubic yards of excavated soil (stockpiles 2, 3, and 4) was placed back in the excavation. Approximately seven cubic yards of soil described as odiferous was stockpiled separately (stockpile 1) and sampled (EX-1). TPH as diesel was detected at a concentration of 10 ppm in sample EX-1. Following receipt of the analytical results from sample EX-1, stockpile 1 was moved to a vacant unpaved area of the site and spread onto the surface. Groundwater was not encountered during the tank removal.

In order to investigate groundwater beneath the site, borings were advanced at four locations using a cone penetration testing (CPT) rig. A total of eight soil samples were collected in the CPT borings at depths of 17 to 28 feet bgs. TPH as gasoline, BTEX, and MTBE were not detected in the soil samples. TPH as diesel was detected in six of the eight soil samples at concentrations ranging from 1.3 to 9.5 ppm. Groundwater was generally encountered at a depth of approximately 70 feet bgs in the four borings. TPH as gasoline, TPH as diesel, BTEX, and MTBE were not detected in the four groundwater samples.

A currently non-operational water supply well located approximately 250 feet south of the former USTs was sampled on February 1, 2007. TPH as gasoline, TPH as diesel, TPH as motor oil, and BTEX were not detected in the water sample collected from the supply well.

The Hansen Aggregates West Radum facility at 3000 Busch Road in Pleasanton is a large facility covering approximately 1,050 acres. This case closure applies only to the two USTs removed from the location shown on Attachment 1. An investigation of soil and groundwater contamination in other areas of the Hansen Aggregates West Radum Plant is currently ongoing as part of ACEH SLIC case RO0002941.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? ---		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? ---		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: --		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

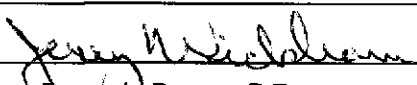
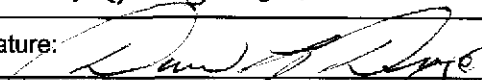
This case closure applies only to the two USTs removed from the area shown on the Site Layout Map in Attachment 1. An investigation of soil and groundwater contamination in other areas of the Hansen Aggregates West Radum Plant is currently ongoing as part of ACEH SLIC case RO0002942.

No laboratory analysis for fuel oxygenates other than MTBE were conducted at the site. Since TPH as diesel was the only contaminant detected at the site, analyses for fuel oxygenates in addition to MTBE is not necessary.

Conclusion:

Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Hazardous Materials Specialist
Signature: 	Date: 05/17/07
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: 	Date: 05/21/07

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature: <i>Cherie McCaulou</i>	Date: 5/29/07

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: NA	Date of Well Decommissioning Report: NA	
All Monitoring Wells Decommissioned: NA	Number Decommissioned: NA	Number Retained: NA
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: NA		
ACEH Concurrence - Signature: <i>Jerry W. [unclear]</i>	Date: 06/12/07	

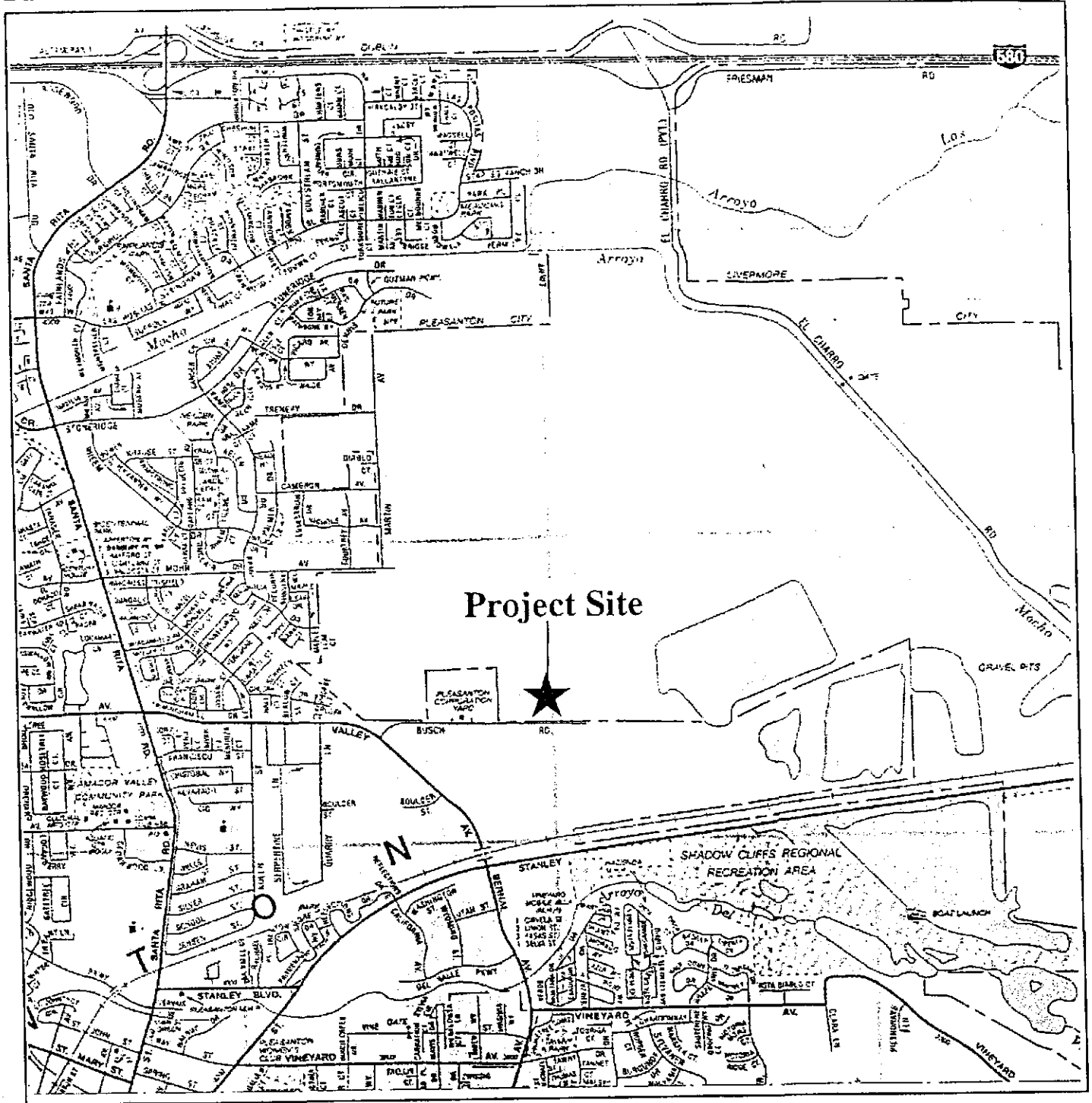
Attachments:

1. Regional Location and Site Layout
2. UST Excavation and Soil Sampling Locations
3. CPT Sampling Locations
4. Summary of Analytical Results for Soil Samples Collected During UST Removals
5. Summary of Analytical Data Collected During CPT Investigation
6. CPT Logs

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

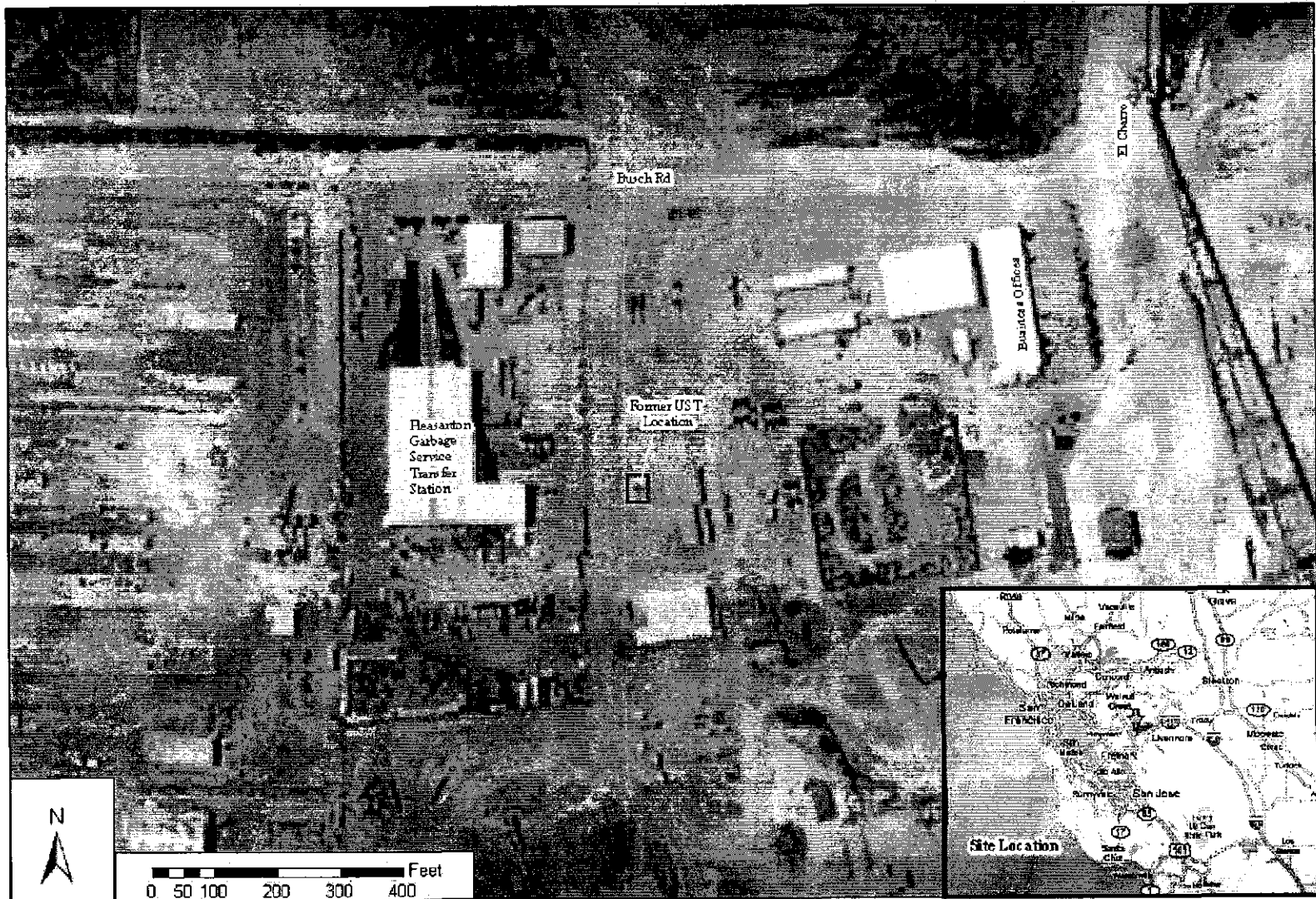
REGIONAL LOCATION

Figure 1



Hanson Aggregates Mid Pacific Inc.
3000 Busch Road
Pleasanton, California

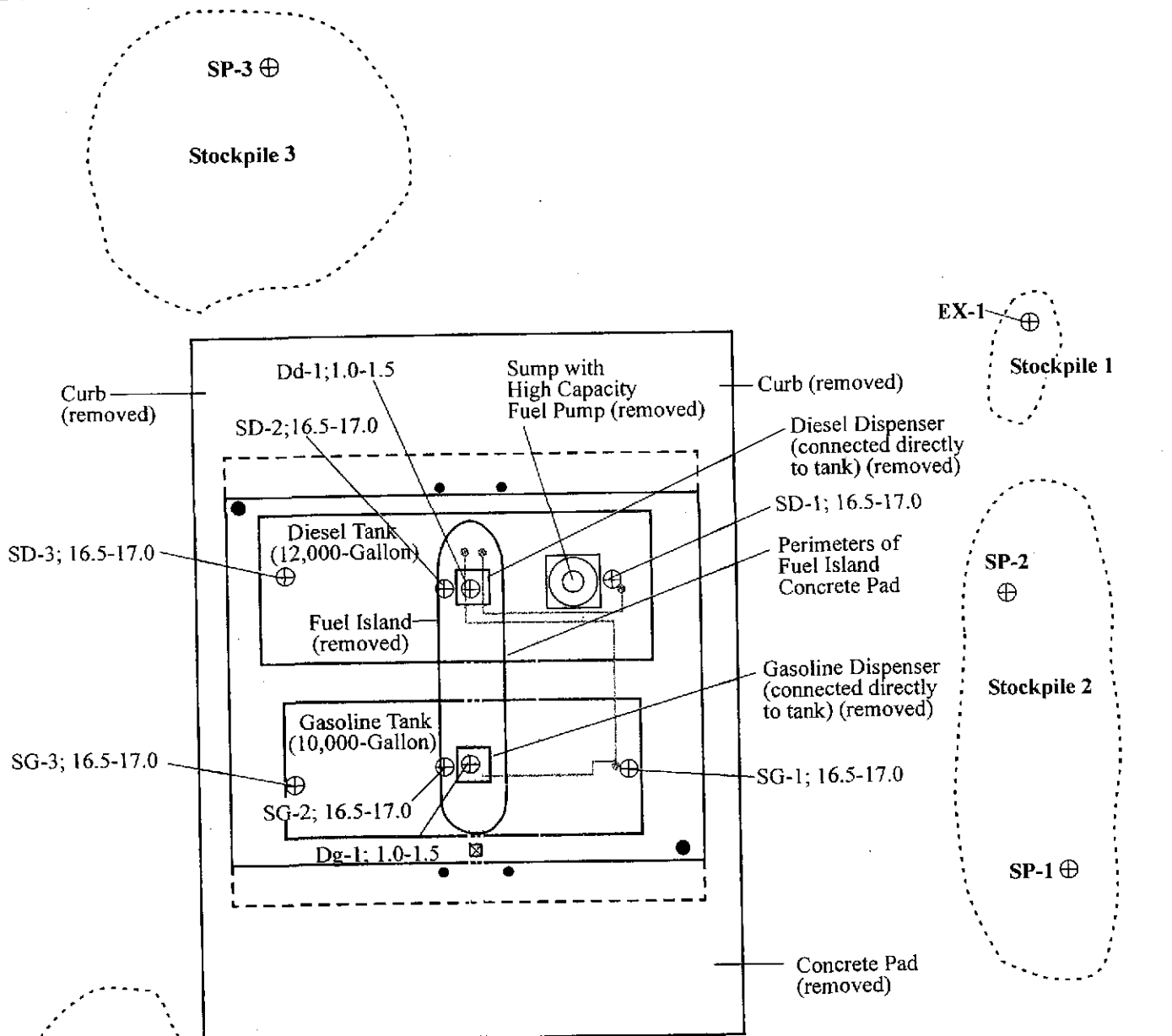




BROWN AND CALDWELL	DATE February 2007	SITE Hanson Radum Plant, 3000 Busch Road, Pleasanton, California	Figure 1
	PROJECT 131771	TITLE Site Layout	

UNDERGROUND STORAGE TANK EXCAVATION AND SOIL SAMPLING LOCATIONS

Figure 3



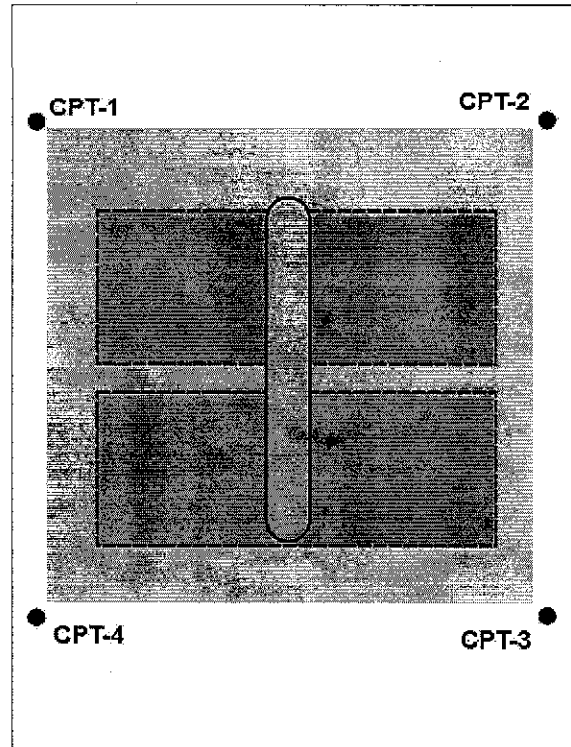
Legend

- Bollards (removed)
- Observation Well (removed)
- Fill Port
- ⤴ Vent Pipe/Port (removed)
- Product Line (removed)
- SG-1 ⊕ Soil Sampling Location
- ⊠ High Capacity Fuel Dispenser (removed)

- ⊕ Stock Pile, and Stockpile Number
- Underground Storage Tank (removed)
- Electrical, Water, and Air Lines (removed)
- Remaining Electrical, Water and Air Lines
- - - Excavation Limits (dashed were over-excavated)

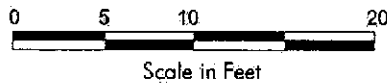


Hanson Aggregates Mid Pacific Inc.
 3000 Busch Road
 Pleasanton, California



LEGEND

- CPT Sampling Location (Approximate)
- ▨ Former Fuel Dispenser Island
- ▨ Extent of Excavation
- Former UST Location
- Former Concrete Pad



BROWN AND CALDWELL	DATE February 2007	SITE Hanson Radum Plant, Pleasanton, California	Figure ATTACHMENT 3
	PROJECT 131771	TITLE CPT Sampling Locations	

**Table 1. Summary of Analytical Results for Soil Samples Collected During UST Removals
Hanson Aggregates, 3000 Busch Road, Pleasanton, California**

Sample ID	Sample Type	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MtBE (mg/kg)	Other VOCs (mg/kg)	Total Lead (mg/kg)
SG-1	In-situ soil characterization samples collected from below the 10,000-gallon gasoline UST at a depth of 16.5-17.0 feet bgs	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	ND	<5.0
SG-2		<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	ND	<5.0
SG-3		<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	ND	<5.0
SD-1	In-situ soil characterization samples collected from below the 12,000-gallon diesel UST at a depth of 16.5-17.0 feet bgs	<1.0	<1.0	----	----	----	----	----	----	<5.0
SD-2		<1.0	<1.0	----	----	----	----	----	----	<5.0
SD-3		<1.0	<1.0	----	----	----	----	----	----	<5.0
SP-1	4-point composite sample collected from three stockpiles generated during UST removal	<1.0	<1.0	----	----	----	----	----	----	----
Dg-1	In-situ characterization sample collected from below the gasoline dispenser at a depth of 1.0-1.5 feet bgs	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	ND	----
Dd-1	In-situ characterization sample collected from below the diesel dispenser at a depth of 1.0-1.5 feet bgs	210 ^a	<1.0	----	----	----	----	----	----	----
EX-1	Discrete sample collected from small stockpile generated from material removed from below the diesel dispenser	10 ^a	<1.0	----	----	----	----	----	----	----

Notes

mg/kg = milligrams per kilogram

TPHd = total petroleum hydrocarbons as diesel; analyzed following EPA Method 8015M

TPHg = total petroleum hydrocarbons as gasoline analyzed following EPA Method 8015M

Benzene, Toluene, Ethylbenzene and Xylenes analyzed following EPA Method 8260B

MtBE = methyl-tertiary butyl ether; analyzed following EPA Method 8260B

Other VOCs = other volatile organic compounds analyzed following EPA Method 8260B (refer to analytical laboratory report for the complete list)

Total Lead analyzed following EPA Method 6010B

UST = underground storage tank

bgs = below ground surface

<n = not detected at a concentrations equal to or greater than the laboratory reporting limit of n mg/kg

ND = not detected at concentrations equal to or greater than the respective laboratory reporting limits for each constituent included in the analytical group

---- = not analyzed

a: analytical laboratory indicated hydrocarbon reported does not match the pattern of the diesel standard

All results obtained from the Baseline Environmental Consulting *Report on Tank Removal Activities*, July 2003

ATTACHMENT 4

Table 1. Summary of Analytical Results

Hanson Aggregates
 3000 Busch Road
 Pleasanton, CA

Boring ID	Location	Sample Type / Depth	DRO	GRO	BTEX	MTBE
CPT-1	NW corner of former tank excavation	Soil / 17-18 feet bgs	7.3 mg/kg	<0.25 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg
		Soil / 27-28 feet bgs	9.5 mg/kg	<0.24 mg/kg	<0.0048 mg/kg	<0.0048 mg/kg
		Groundwater / 71 feet bgs	<50 µg/L	<50 µg/L	<1.0 * µg/L	<0.50 µg/L
CPT-2	NE corner of former tank excavation	Soil / 17-18 feet bgs	3.5 mg/kg	<0.25 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg
		Soil / 26-27 feet bgs	<0.91 mg/kg	<0.25 mg/kg	<0.0049 mg/kg	<0.0049 mg/kg
		Groundwater / 66 feet bgs	<50 µg/L	<50 µg/L	<0.50 µg/L	<0.50 µg/L
CPT-3	SE corner of former tank excavation	Soil / 17-18 feet bgs	1.4 mg/kg	<0.25 mg/kg	<0.0049 mg/kg	<0.0049 mg/kg
		Soil / 22-23 feet bgs	1.4 mg/kg	<0.24 mg/kg	<0.0048 mg/kg	<0.0048 mg/kg
		Groundwater / 66 feet bgs	50 µg/L	50 µg/L	<1.0 * µg/L	<0.50 µg/L
CPT-4	SW corner of former tank excavation	Soil / 17-18 feet bgs	1.3 mg/kg	<0.25 mg/kg	<0.0049 mg/kg	<0.0049 mg/kg
		Soil / 24-25 feet bgs	<0.97 mg/kg	<0.25 mg/kg	<0.0049 mg/kg	<0.0049 mg/kg
		Groundwater / 67 feet bgs	50 µg/L	50 µg/L	<0.50 µg/L	<0.50 µg/L

Notes

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

BTEX = Benzene, Toluene, Ethylbenzene, Xylenes

MTBE = Methyl Tertiary Butyl Ether

mg/kg = milligrams per kilogram

µg/L = micrograms per liter

<n= not detected at a concentration greater than or equal to n mg/kg or n µg/L

* Highest detection limit listed for this suite of compounds. See attached Laboratory data sheets for individual detection limits.



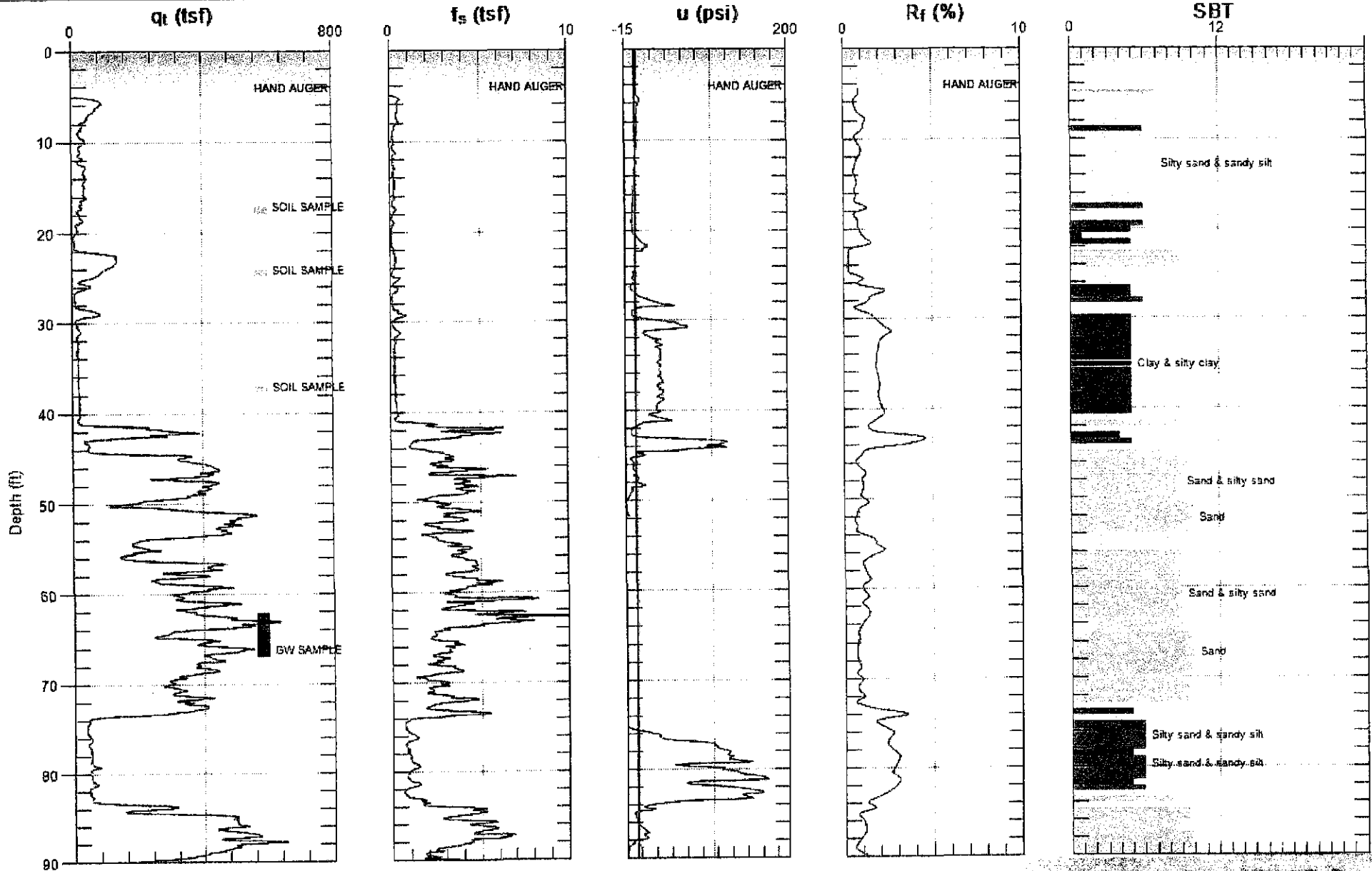
BROWN & CALDWELL

Site: HANSON AMERICA

Engineer: J.GRANT

Sounding: CPT-4

Date: 1/5/2007 12:40



Max. Depth: 90.220 (ft)
Avg. Interval: 0.656 (ft)

ATTACHMENT 6



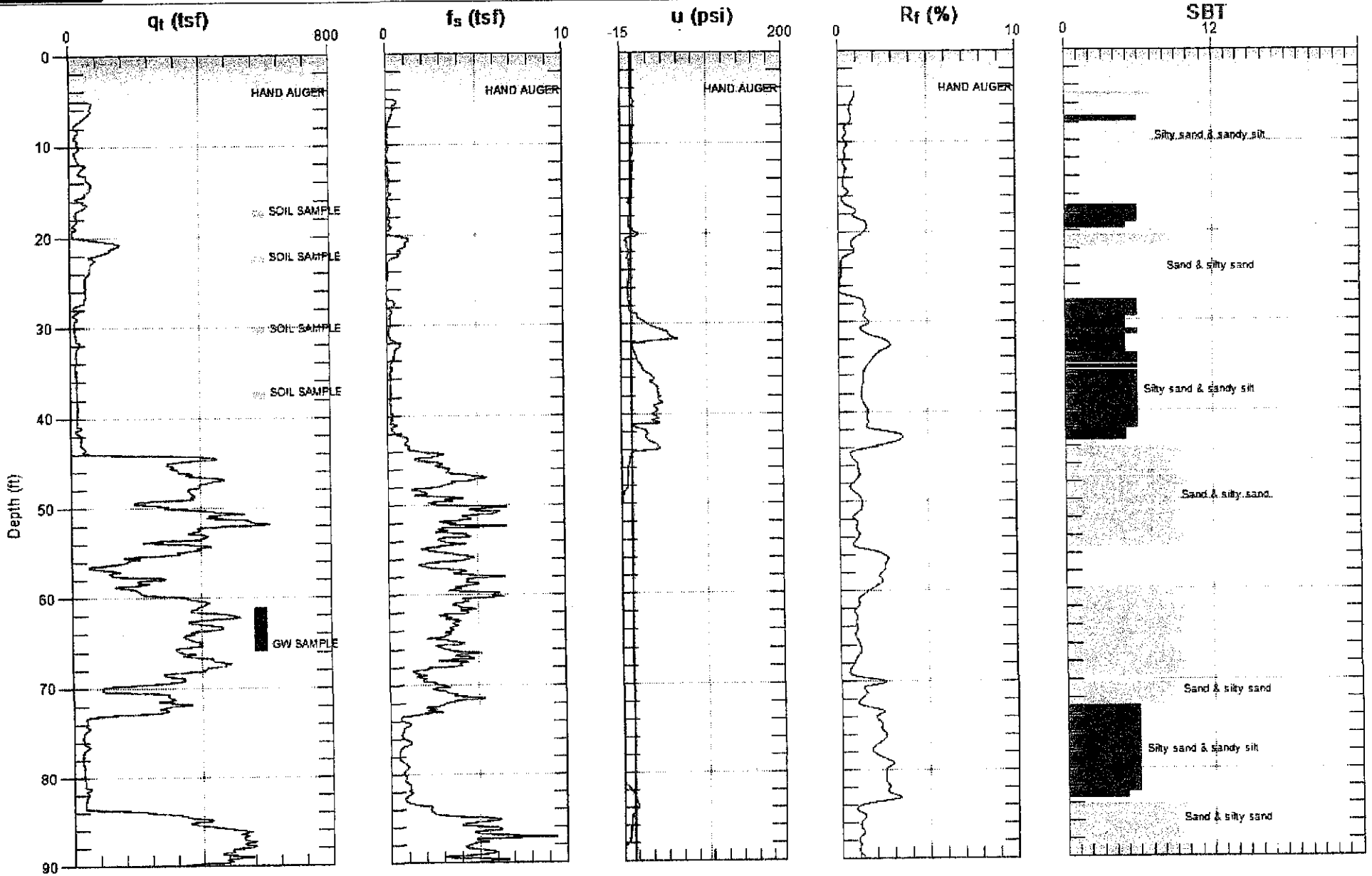
BROWN & CALDWELL

Site: HANSON AMERICA

Engineer: J. GRANT

Sounding: CPT-3

Date: 1/5/2007 07:48



Max. Depth: 90.220 (ft)
Avg. Interval: 0.656 (ft)

SBT: Soil Behavior Type (Robertson 1990)



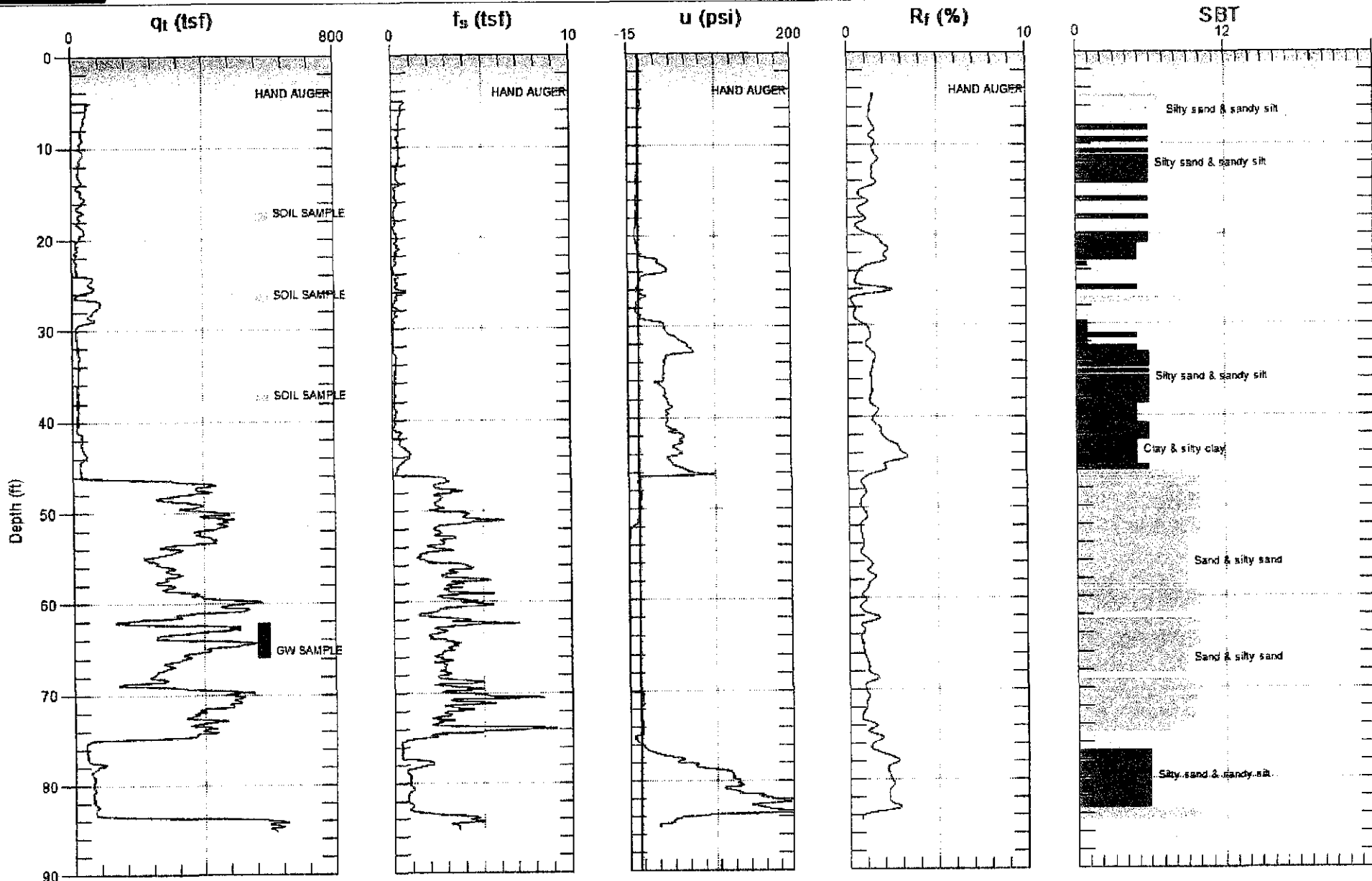
BROWN & CALDWELL

Site: HANSON AMERICA

Engineer: J.GRANT

Sounding: CPT-2

Date: 1/3/2007 02:34



Max. Depth: 85.140 (ft)
Avg. Interval: 0.656 (ft)

SBT: Soil Behavior Type (Robertson 1990)



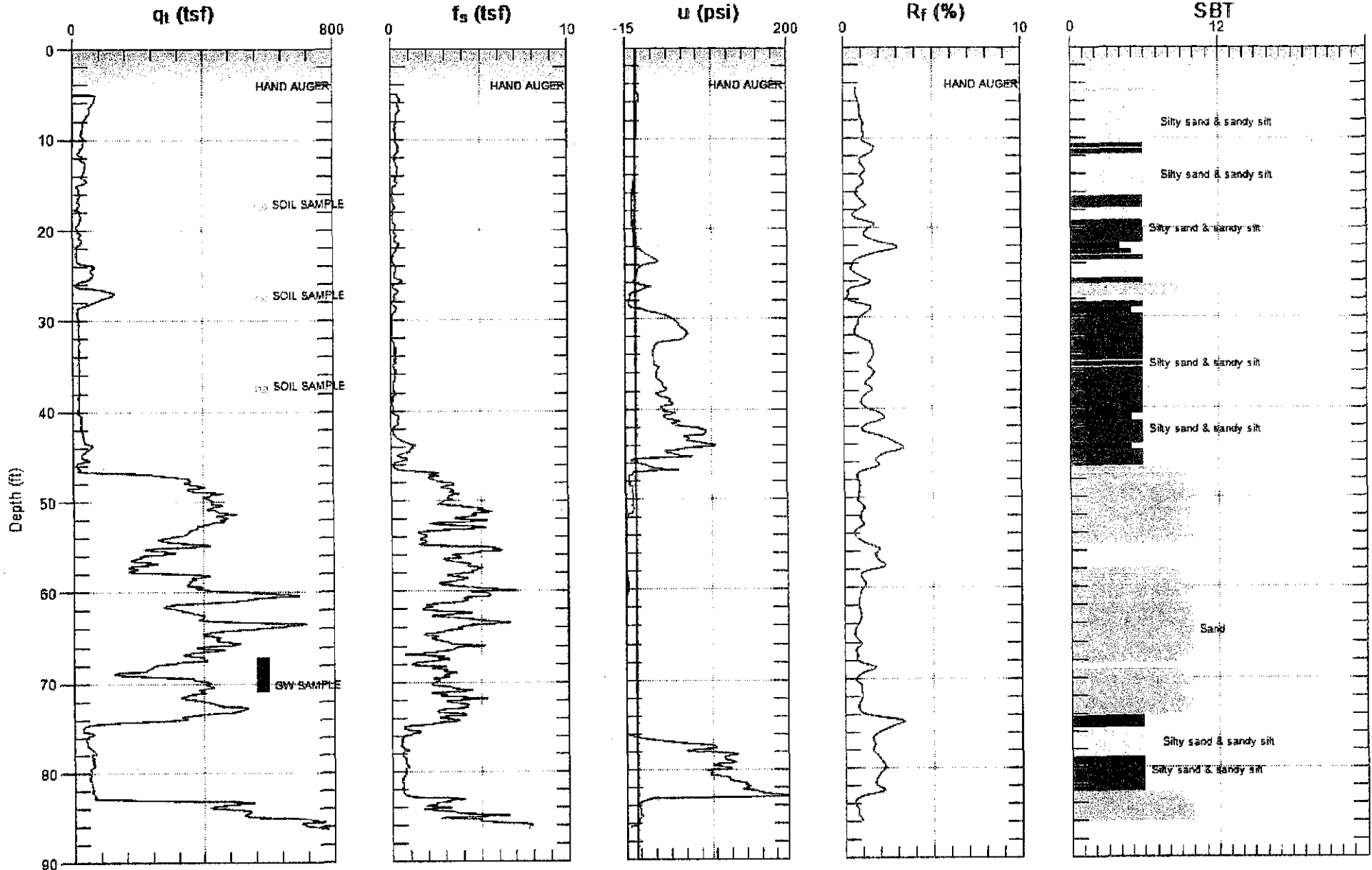
BROWN & CALDWELL

Site: HANSON AMERICA

Engineer: J. GRANT

Sounding: CPT-1

Date: 1/3/2007 08:24



Max. Depth: 86.290 (ft)
Avg. Interval: 0.656 (ft)

SBT: Soil Behavior Type (Robertson 1990)