

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



September 25, 2008

Jason Weller  
AT&T  
308 South Akard Street; Room 1700  
Dallas, TX 75202

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

Subject: Fuel Leak Case, RO0002588, SBC, 1189 58<sup>th</sup> Avenue, Oakland, CA 94621

Dear Mr. Weller:

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:

- Maximum concentrations of up to 170 µg/L TPH as diesel and 260 µg/L MTBE remain in groundwater beneath the site.

If you have any questions, please call Paresh Khatri at (510) 777-2478. Thank you.

Sincerely,

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

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

Paresh Khatri (w/orig enc), D. Drogos (w/enc), R. Garcia (w/enc)

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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1131 Harbor Bay Parkway, Suite 250  
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September 24, 2008

Jason Weller  
AT&T  
308 South Akard Street; Room 1700  
Dallas, TX 75202

**REMEDIAL ACTION COMPLETION CERTIFICATE**

Subject: Fuel Leak Case, RO0002588, SBC, 1189 58<sup>th</sup> Avenue, Oakland, CA 94621

Dear Mr. Weller:

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 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 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: September 24, 2008

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 777-2478
Responsible Staff Person: Paresh Khatri	Title: Hazardous Materials Specialist

**II. CASE INFORMATION**

Site Facility Name: SBC		
Site Facility Address: 1189 58 <sup>th</sup> Avenue, Oakland, California		
RB Case No.: --	Local Case No.: --	LOP Case No.: RO0002588
URF Filing Date: --	Global ID No.: T0619719282	APN: 41-3886-49
<b>Responsible Parties</b>	<b>Addresses</b>	<b>Phone Numbers</b>
SBC (now AT&T) c/o Mr. Jason Weller	308 South Akard Street; Room 1700 Dallas, TX 75202	

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	1x12,000-gallon (Split-walled)	8,000-gallon Gasoline 4,000-gallon Diesel	Removed	07/30/2003
	Piping		Removed	07/30/2003

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and Type of Release: Unknown, UST appeared intact upon removal.		
Site characterization complete? Yes	Date Approved By Oversight Agency: --	
Monitoring wells installed? No	Number: 0	Proper screened interval? NA
Highest GW Depth Below Ground Surface: 9.5 ft bgs	Lowest Depth: 9.5 ft bgs	Flow Direction: Assumed West to Northwesterly
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: The DWR Well Driller's Report archive search revealed that no water supply wells are registered within 2,000 feet of the site. Two cathodic protection wells are located within the survey area, however, the locations were not identified. Additionally, one Driller's Report indicates that a well originally located on the 1200 block of 57<sup>th</sup> Avenue was destroyed in 1990. ERI performed a door-to-door well/basement survey within a 500-foot radius of the site. Results of the survey indicate that no water supply wells or basements are located on properties whose occupants were interviewed or returned a completed well survey questionnaire.

Considering the non-migratory residual concentrations of dissolved phase petroleum hydrocarbons in the groundwater that is confined to the primary source areas at the Site, no water wells, deeper drinking water aquifers, surface water or other sensitive receptors are likely to be impacted. Therefore, since the contaminant plume likely does not extend beyond the subject property, impact to off-site receptors appears unlikely.

Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: San Francisco Bay, located approximately 1.5 miles west southwest of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	One 12,000-gallon	Disposal to Ecology Control Industries Richmond, CA	07/30/2003
Piping	Not Reported	Disposal to Ecology Control Industries Richmond, CA	07/30/2003
Free Product	None Reported	---	---
Soil	None Reported	---	---
Groundwater	2,600-gallons	Disposed off-site to Seaport Petroleum, Redwood City, CA	07/30/2003

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

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	<1.0	<1.0	1,600	<50
TPH (Diesel)	<1.0	<1.0	190 (TP-W-1, 07/2003)	170 (B2N, 7/03/2008)
TPH (Motor Oil)/TOG	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
TRPH	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
Benzene	<0.005	<0.005	51 (TP-W-1, 07/2003)	<1.2 (B1E, 7/03/2008)
Toluene	<0.005	<0.005	300 (TP-W-1, 07/2003)	<1.2 (B1E, 7/03/2008)
Ethylbenzene	<0.005	<0.005	32 (TP-W-1, 07/2003)	<1.2 (B1E, 7/03/2008)
Xylenes	<0.005	<0.005	260 (TP-W-1, 07/2003)	<1.2 (B1E, 7/03/2008)
MTBE	<0.079 <sup>4</sup> (TP-3(9), 7/30/2003)	<0.005 <sup>3</sup>	1,800 <sup>2</sup> (TP-W-1, 07/2003)	260 <sup>1</sup> (B3W, 7/03/2008)
Heavy Metals (Lead only)	<3.0	Not Analyzed	6.1 (TP-W-1, 07/2003)	Not Analyzed

<sup>1</sup> Other VOCs not analyzed (groundwater µg/L after cleanup): 260 µg/L MtBE, <40 µg/L TBA, <10 µg/L DIPE, NA ETBE, <10 µg/L TAME, NA EDB, NA 1,2-DCA, <1,000 µg/L EtOH

<sup>2</sup> Other VOCs not analyzed (groundwater ppb before cleanup): 1,800 MtBE, NA TBA, NA DIPE, NA ETBE, NA TAME, NA EDB, NA 1,2-DCA, NA EtOH

<sup>3</sup> Other VOCs (Soil mg/kg after cleanup): <0.05 mg/kg TBA, <0.005 mg/kg DIPE, NA ETBE, <0.005 mg/kg TAME, <0.25 mg/kg EtOH,

<sup>4</sup> Other VOCs (Soil mg/kg before cleanup): <0.079 MtBE, NA TBA, NA TAME, < NA DIPE, NA EtOH  
NA: Not Analyzed

**Site History and Description of Corrective Actions:**

The SBC (now AT&T) property is located in a commercial/light industrial and residential area of Oakland, California. A one-story building used for housing telecommunications equipment and offices occupies the northeastern portion of the site. A warehouse facility and carport occupy the northwestern portion of the site. A covered vehicle maintenance bay is centrally located on the property. The remainder of the site is paved and used for vehicle parking and equipment storage.

On the southeastern portion of the site was a 12,000-gallon split-wall UST used for fueling fleet vehicles. The UST was divided into 4,000-gallon compartment for diesel fuel and an 8,000-gallon compartment containing gasoline fuel. As SBC decided to no longer operate the fleet fueling facility, the UST was removed.

On July 30, 2003, Shaw Environmental, Inc. oversaw the excavation and removal of one 12,000-gallon UST from the site. The UST was observed to be in good condition with no signs of deterioration, holes, or cracks. No petroleum hydrocarbon odors were observed during excavation activities. However, groundwater with a slight sheen was encountered at approximately 9.5 feet bgs. The UST and associated piping were transported under hazardous waste manifest #22490553 by Ecology Control Industries to their facility in Richmond, California.

Four soil samples (TP-1 through TP-4) were collected from the sidewall of the excavation at 9 feet bgs (2 feet into native soil at the soil/groundwater interface). Approximately 2,600-gallons of groundwater was pumped from the UST pit. Following dewatering, a groundwater sample was collected from the pit. Soil and groundwater samples were analyzed for TPH-d, TPH-g, BTEX, MtBE, and total lead. Only MtBE was detected in one soil sample (TP-3) at a concentration of 0.079 mg/kg. Groundwater sample analytical results detected TPH-d, TPH-g, benzene, and MtBE at concentrations of 190 µg/L, 1,600 µg/L, 51 µg/L, 1,800 µg/L, respectively.

Approximately 350 cubic yards of stockpiled soil, which did not contain contaminants above the laboratory detection limit, was used as backfill for the open excavation with clean imported fill for the balance.

Environmental Resolutions, Inc. (ERI) performed a Sensitive Receptor Survey during May through July 2006 to identify potential receptors of groundwater in the vicinity of the site and potential preferential pathways for groundwater flow from the site. The DWR Well Driller's Report archive search revealed that no water supply wells are registered within 2,000 feet of the site. Two cathodic protection wells are located within the survey area, however, the locations were not identified. Additionally, one Driller's Report indicates that a well originally located on the 1200 block of 57<sup>th</sup> Avenue was destroyed in 1990. ERI performed a door-to-door well/basement survey within a 500-foot radius of the site. Results of the survey indicate that no water supply wells or basements are located on properties whose occupants were interviewed or returned a completed well survey questionnaire.

ERI conducted a utility survey on and adjacent to the site. Underground utilities and utility vaults are shown on the attached figure. Underground utilities are primarily located on the southern boundary of the site and on 57<sup>th</sup> and 58<sup>th</sup> Avenues. These facilities are primarily oriented east to west with additional lines oriented north to south in the Tevis Street right-of-way. Twenty-one utility vaults, including one storm drain inlet are located on or adjacent to the site. However, the inlet is raised several inches above surrounding grade. The properties south, southwest, and east of the site are residential, and homes are located within 20 feet of the southern property boundary. According to ERI, residences typically include a shallow subfloor crawlspace beneath floors.

To determine the extent of the groundwater contaminant plume, five borings were installed under the oversight of Shaw Environmental on July 3, 2008. Four borings were installed around the former UST excavation (borings B1E, B2N, B3W, and B4S) and one boring was installed within the center of the former excavation (BC5). Boring B2N and B4S were installed in the inferred cross-gradient groundwater flow direction from the former UST, boring B1E was installed up-gradient of the former UST, and boring B3W was installed in the down-gradient direction.

Soil sample analytical results did not detect contaminants above the laboratory detection limit. However, analytical results of the soil cuttings detected 24 mg/kg TPH-d. Groundwater sample analytical results detected a maximum TPH-d concentration of 170 µg/L, and 260 µg/L MtBE. Analytical results are summarized in the attached tables.

The site concentrations were compared to applicable Regional Water Quality Control Board's (RWQCB) Environmental Screening Levels (ESLs). No concentrations of contaminants in soil were detected above the ESLs for residential land-use risk scenario where groundwater is a current or potential drinking water resource. Therefore, the residual concentrations of contaminants in soil do not appear to pose a potential risk to human health or the environment. TPH-d and MtBE were detected at a concentration of 170 µg/L and 260, slightly above their respective ESLs of 100 µg/L and 5 µg/L. It is suspected that the elevated concentrations of diesel and MtBE detected in the "grab" sample is attributed to the sampling methodology. "Grab" samples are collected by lowering a bailer in the boring to groundwater shortly after reaching total depth by the drill rig (i.e., a few feet below first encountered groundwater). In areas of a petroleum release, there is generally a zone of petroleum impacted soil at the historic top of groundwater, sometimes referred to as the "smear zone." Because of soil disturbance caused by the drill rod, the groundwater in the boring and, thus, a "grab" groundwater sample collected from the pit, would tend to contain a high amount of suspended sediment, and petroleum, if diesel is present in the soil and the "smear zone" at the excavation location. The analysis of a turbid groundwater sample at the analytical laboratory would include analysis of the soil particles contained in the sample as well as the groundwater. Thus, the analytical results of the sample may reflect the presence of diesel associated with the soil particles including dissolved phase in groundwater and tend not be representative of the actual concentration of dissolved diesel in the groundwater at the excavation location. Therefore, reported concentration would tend to be higher than actual groundwater quality conditions.

No additional subsurface investigation consisting of borings or permanent groundwater monitoring points were installed and based on the analytical data, do not appear warranted.

**IV. CLOSURE**

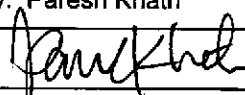
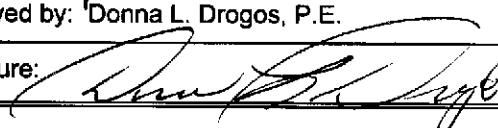
Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a significant 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:  
 Residual concentrations of TPH-d and MtBE were detected in groundwater at concentrations of up to 150 µg/L and 260 µg/L, which exceeds the ESLs where groundwater is a potential drinking water source. The concentrations of contaminants are expected to decrease over time as a result of biodegradation and natural attenuation processes. Please note that EDB and EDC were not analyzed in soil or groundwater.

Conclusion:  
 Alameda County Environmental Health staff consider 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 based on the current commercial use of the site.

**VI. LOCAL AGENCY REPRESENTATIVE DATA**

Prepared by: Paresh Khatri	Title: Hazardous Materials Specialist
Signature: 	Date: September 24, 2008
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: 	Date: 09/24/08

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: 9/23/08
Signature: <i>Cherie McCaulou</i>	Date: 9/24/08

**VIII. MONITORING WELL DECOMMISSIONING**

Date Requested by ACEH: --	Date of Well Decommissioning Report: --	
All Monitoring Wells Decommissioned: --	Number Decommissioned: --	Number Retained: --
Reason Wells Retained: No monitoring wells installed or retained.		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: <i>James Kholi</i>		Date: September 24, 2008

**Attachments:**

1. Tables 1 & 2 (Comparison of residual contamination to applicable ESLs).
2. Site Vicinity Map.
3. Site Plan.
4. Sample Location Plan.
5. Soil & Groundwater Analyses Data from 2003 UST Removal
6. Soil & Groundwater Analyses Data from 2008 Soil and Water Investigation

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.



Environmental Impacts in Soil  
SBC  
1189 58<sup>th</sup> Avenue, Oakland, California

**Table 1. Comparison of Maximum Residual Soil Concentrations at the Site to Relevant Cleanup Standards (mg/kg)**

	TPH-g (mg/kg)	TPH-d (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Xylenes (mg/kg)	MtBE (mg/kg)	EDC [1-2-dichloroethane] (mg/kg)	EDB [1-2-dibromoethane] (mg/kg)	Lead (mg/kg)
<b>Maximum Residual Soil Concentrations at Site in milligrams per kilogram</b>	<1.0 <sup>4</sup>	<1.0 <sup>4</sup>	<0.005 <sup>4</sup>	<0.005 <sup>4</sup>	<0.005 <sup>4</sup>	<0.005 <sup>4</sup>	0.079	NA	NA	<3.0
RWQCB, Region 2 ESLs <sup>1</sup>	83 <sup>3</sup>	83 <sup>3</sup>	0.044 <sup>3</sup>	2.9 <sup>3</sup>	2.3 <sup>2</sup>	2.3 <sup>3</sup>	0.023 <sup>3</sup>	0.00033 <sup>3</sup>	0.0045 <sup>3</sup>	200 <sup>5</sup>

<sup>1</sup> Environmental Screening Levels (ESLs); Shallow Soil Screening Level for residential land use where potentially impacted groundwater is current or potential drinking water resource. Shallow soils defined as soils situated <3 meters below the ground surface. Depth to water ranges between 8.8 ft and 15.21 ft bgs.

<sup>2</sup> Lowest ESL value based on direct exposure scenario. Depth to water ranges between 8.8 ft and 15.21 ft bgs.

<sup>3</sup> Lowest ESL value based on groundwater protection (soil leaching). Depth to water ranges between 8.8 ft and 15.21 ft bgs.

<sup>4</sup> Soil sample collected at 9 feet bgs in 2003.

<sup>5</sup> Lowest ESL value based on urban area ecotoxicity criteria.

# Environmental Impacts in Groundwater

SBC

1189 58<sup>th</sup> Avenue, Oakland, California

**Table 2. Comparison of Maximum Residual Groundwater Concentrations at the Site to Relevant Cleanup Standards (µg/L)**

	TPH-g (µg/L)	TPH-d (µg/L)	TPH-ss (µg/L)	Kerosene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC [1,2-dichloroethane] (µg/L)	EDB [1,2-dibromoethane] (µg/L)
<b>Maximum Residual Groundwater Concentrations at Site</b>	<50 <sup>7</sup>	170 <sup>7</sup>	–	–	<1.2 <sup>7</sup>	<1.2 <sup>7</sup>	<1.2 <sup>7</sup>	<1.2 <sup>7</sup>	260 <sup>7</sup>	NA	NA
RWQCB Region 2 ESLs <sup>2</sup>	100 <sup>1</sup> 100 <sup>2</sup> 210 <sup>3</sup> 210 <sup>6</sup>	100 <sup>1</sup> 100 <sup>2</sup> 210 <sup>3</sup> 210 <sup>6</sup>	100 <sup>1</sup> 100 <sup>2</sup> 210 <sup>3</sup> 210 <sup>6</sup>	100 <sup>1</sup> 100 <sup>2</sup> 210 <sup>3</sup> 210 <sup>6</sup>	1.0 <sup>1</sup> 170 <sup>2</sup> 1.0 <sup>3</sup> 540 <sup>4</sup> 46 <sup>6</sup>	40 <sup>1</sup> 40 <sup>2</sup> 150 <sup>3</sup> 380,000 <sup>4</sup> 130 <sup>6</sup>	30 <sup>1</sup> 30 <sup>2</sup> 300 <sup>3</sup> 170,000 <sup>4</sup> 43 <sup>6</sup>	20 <sup>1</sup> 20 <sup>2</sup> 1,800 <sup>3</sup> 160,000 <sup>4</sup> 100 <sup>6</sup>	5 <sup>1</sup> 5 <sup>2</sup> 13 <sup>3</sup> 24,000 <sup>4</sup> 8,000 <sup>6</sup>	0.05 <sup>1</sup> 50,000 <sup>2</sup> 0.05 <sup>3</sup> 150 <sup>4</sup> 1,400 <sup>6</sup>	0.5 <sup>1</sup> 7,000 <sup>2</sup> 0.5 <sup>3</sup> 200 <sup>4</sup> 2,000 <sup>6</sup>
ASTM Tier 1 Standard Human Health RBSL (Benzene)	NA	NA	NA	NA	11,000 <sup>4</sup> 23.8 <sup>5</sup>	32,800	77,500	NA	NA	NA	NA

<sup>1</sup> Environmental Screening Levels (ESLs) for impacted subsurface groundwater less than 10 feet, where groundwater IS a current or potential drinking water resource

<sup>2</sup> Final Groundwater Screening Level, based on ceiling value (taste and odor threshold)

<sup>3</sup> Groundwater Screening Level, based on drinking water toxicity

<sup>4</sup> Groundwater Volatilization to indoor air (residential) Level,

<sup>5</sup> Groundwater Vapor Intrusion from groundwater to buildings (residential, chronic hazard quotient = 1)

<sup>6</sup> Final Groundwater Screening Level, based on Aquatic Habitat

<sup>7</sup> Sample collect on 07/03/2008 in a "grab" groundwater sample.

DRAWING NUMBER 130263-A22

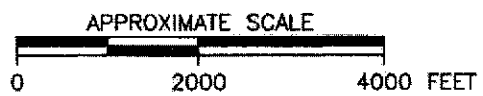
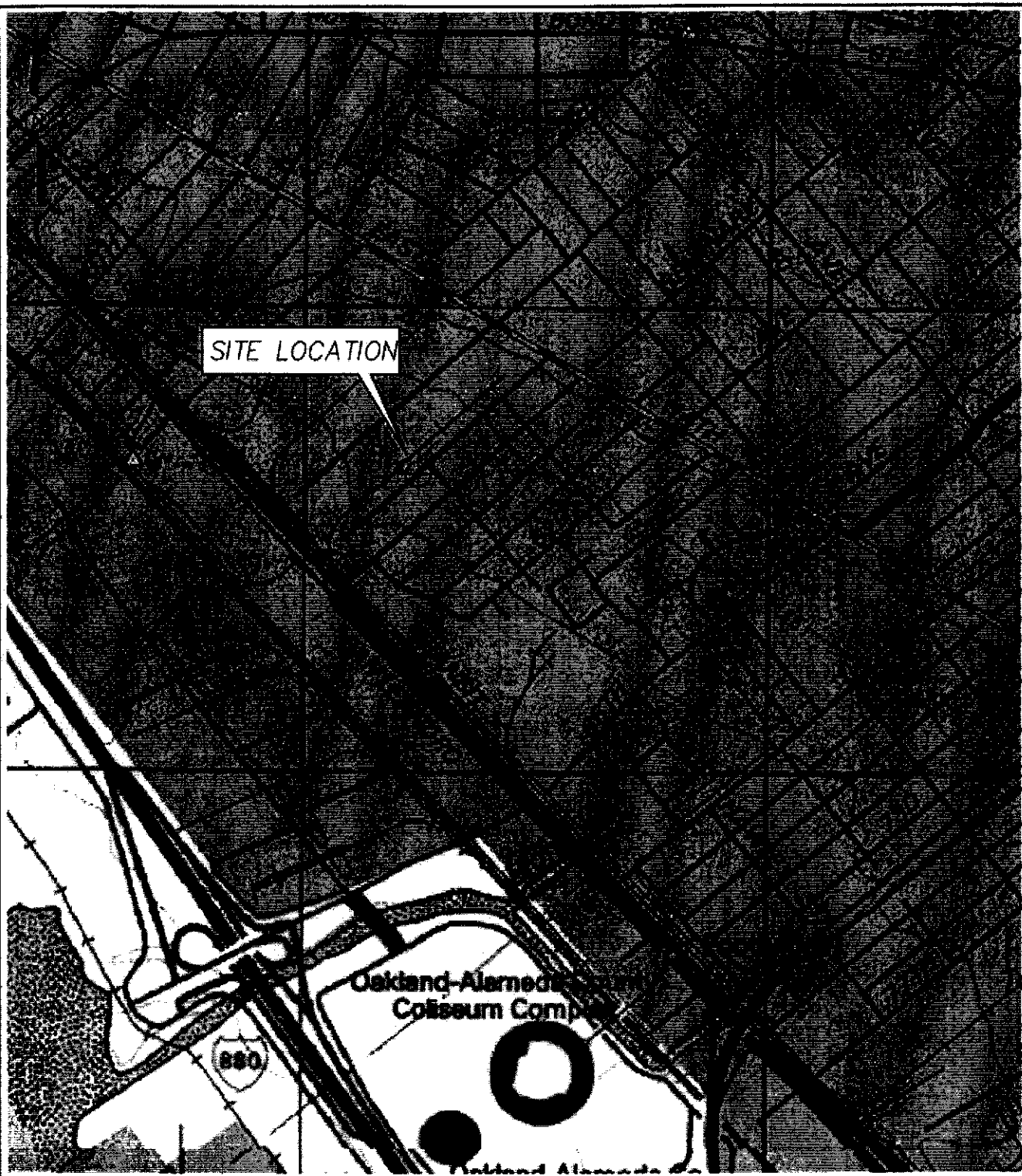
APPROVED BY [Signature] 7-15-07

CHECKED BY [Signature] 7-15-07

DRAWN BY R. Langston 7/9/2008

OFFICE Concord

X-REF ---  
IMAGE 1189-58044W



**REFERENCE:**  
 USGS 7.5' QUADRANGLE OF  
 OAKLAND, CALIFORNIA,  
 DATED: 1949, PHOTOREVISED 1973  
 SCALE 1:24,000



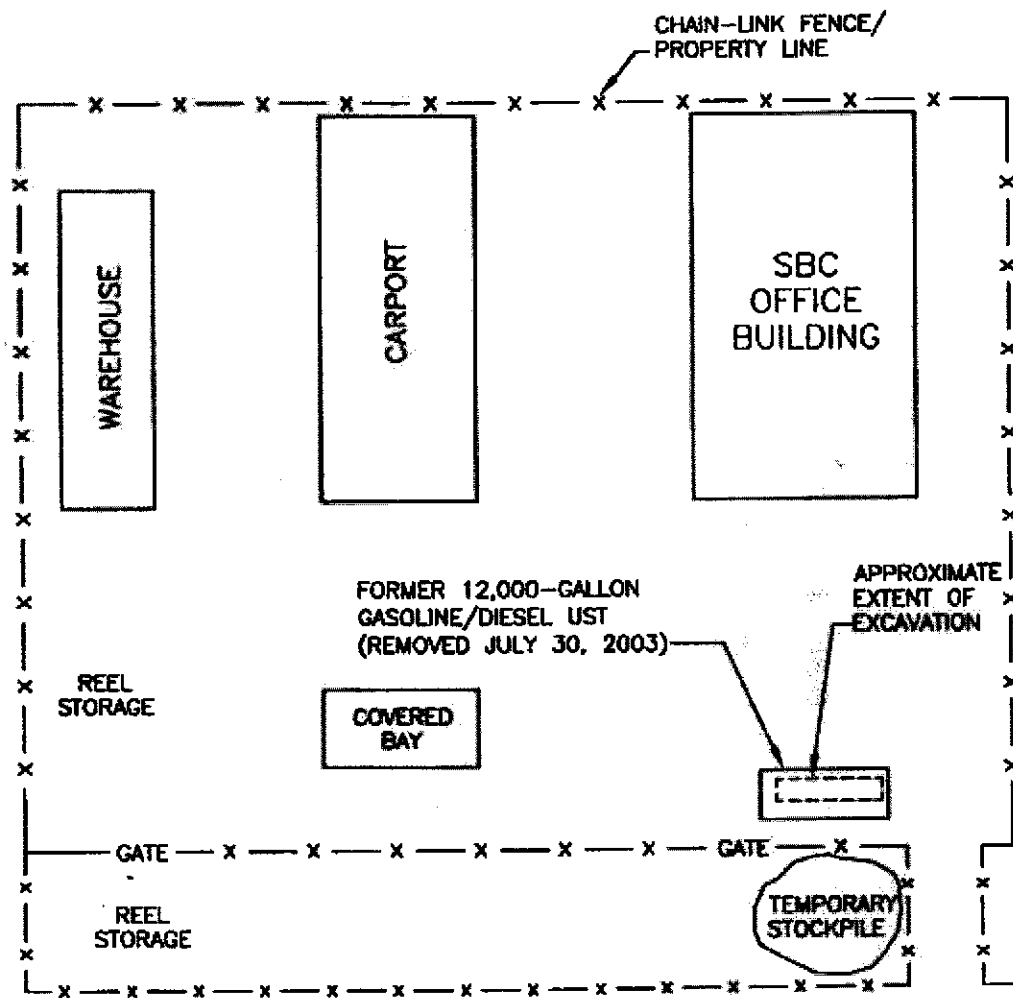
PREPARED FOR  
 AT&T SERVICES INC.  
 DALLAS, TEXAS

**FIGURE 1**  
 SITE VICINITY MAP  
 AT&T FACILITY  
 1189 58th AVENUE  
 OAKLAND, CALIFORNIA

PROJECT NUMBER 838819


DRAWN BY K Black 8-27-03

XREF Files: IMAGE Files: User: Rob.dalgaard Oct 13, 2003 - 12:48pm  
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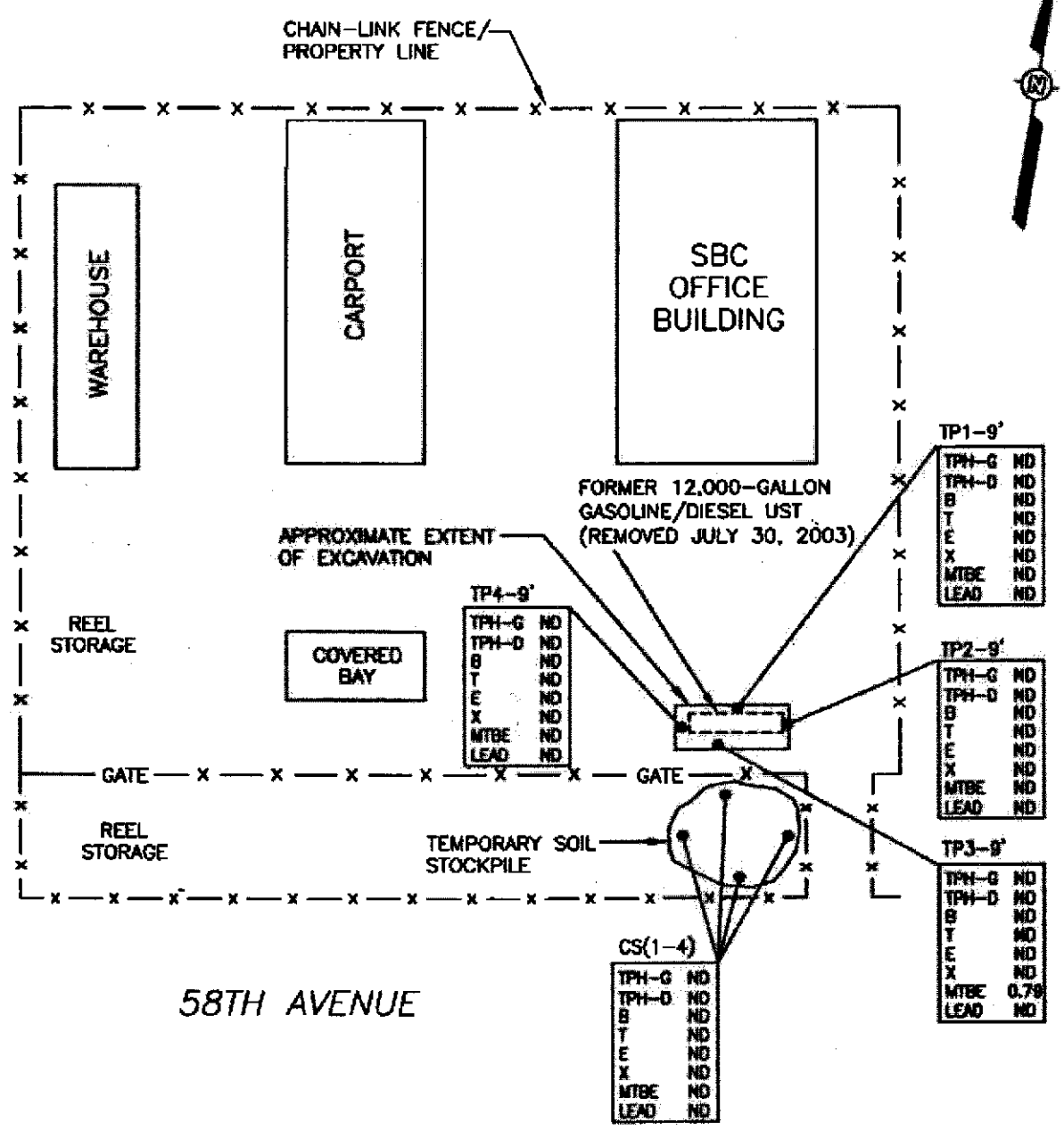
58TH AVENUE



 Shaw E&I, Inc.	SBC FACILITY OAKLAND, CALIFORNIA
FIGURE 2 SITE PLAN	
1189 58TH AVENUE OAKLAND, CALIFORNIA	

PROJECT NUMBER 838819  
 DRAWN BY R Block 8-27-03


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 Layout: Layout1 User: Ripb.dellapinto Oct 17, 2003 - 9:17am



**LEGEND**

- SOIL SAMPLE LOCATION (JULY 30, 2003)
- TPH-G TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- TPH-D TOTAL PETROLEUM HYDROCARBONS AS DIESEL
- B BENZENE
- T TOLUENE
- E ETHYLBENZENE
- X XYLENES
- MTBE METHYL TERTIARY BUTYL ETHER
- ND NOT DETECTED ABOVE METHOD LIMITS

ALL RESULTS REPORTED IN PARTS PER MILLION

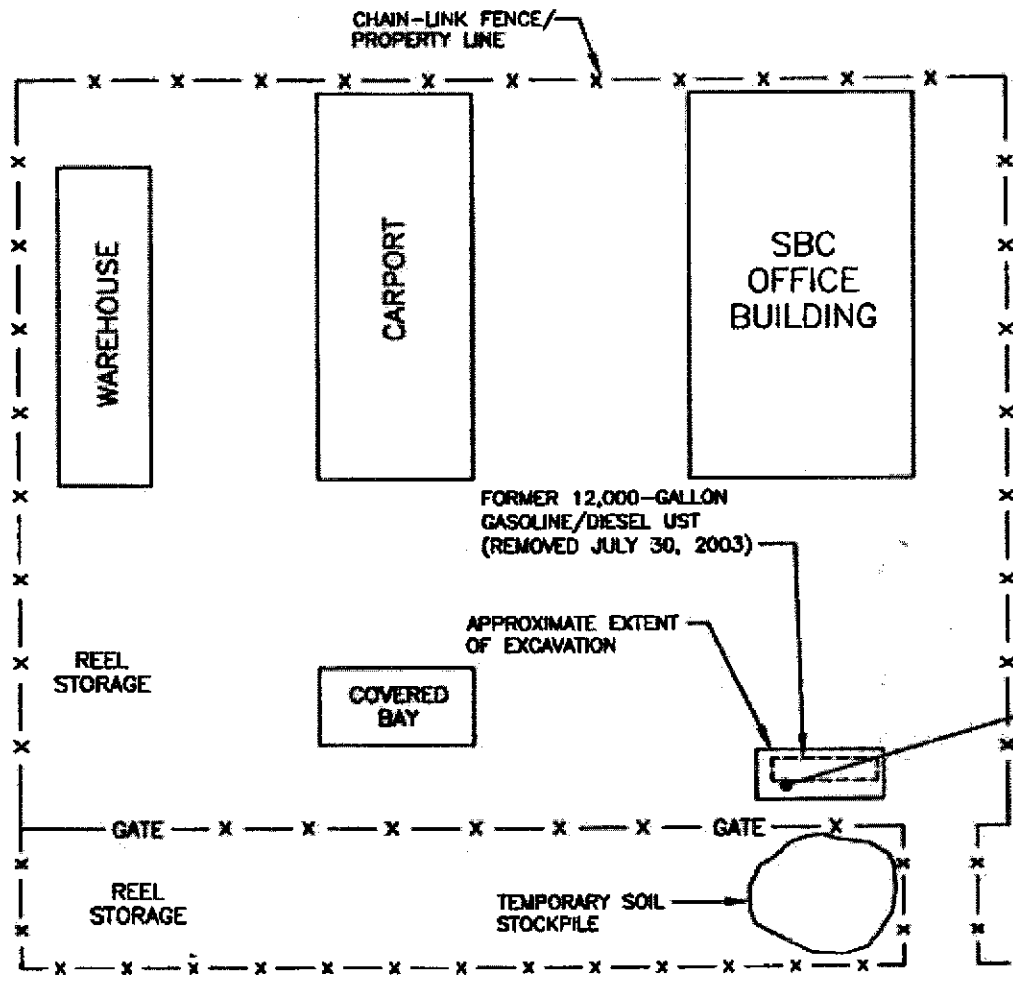


SBC FACILITY  
OAKLAND, CALIFORNIA

**FIGURE 3**  
SOIL SAMPLE ANALYTICAL RESULTS  
(JULY 30, 2003)  
1189 58TH AVENUE  
OAKLAND, CALIFORNIA

PROJECT NUMBER 838819  
 DRAWN BY K Block 8-27-03

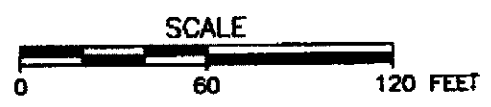
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TP-W-1(07-03)

TPH-C	1,800
TPH-D	190
B	51
T	300
E	32
X	280
MTBE	1,800
LEAD	6.1

58TH AVENUE

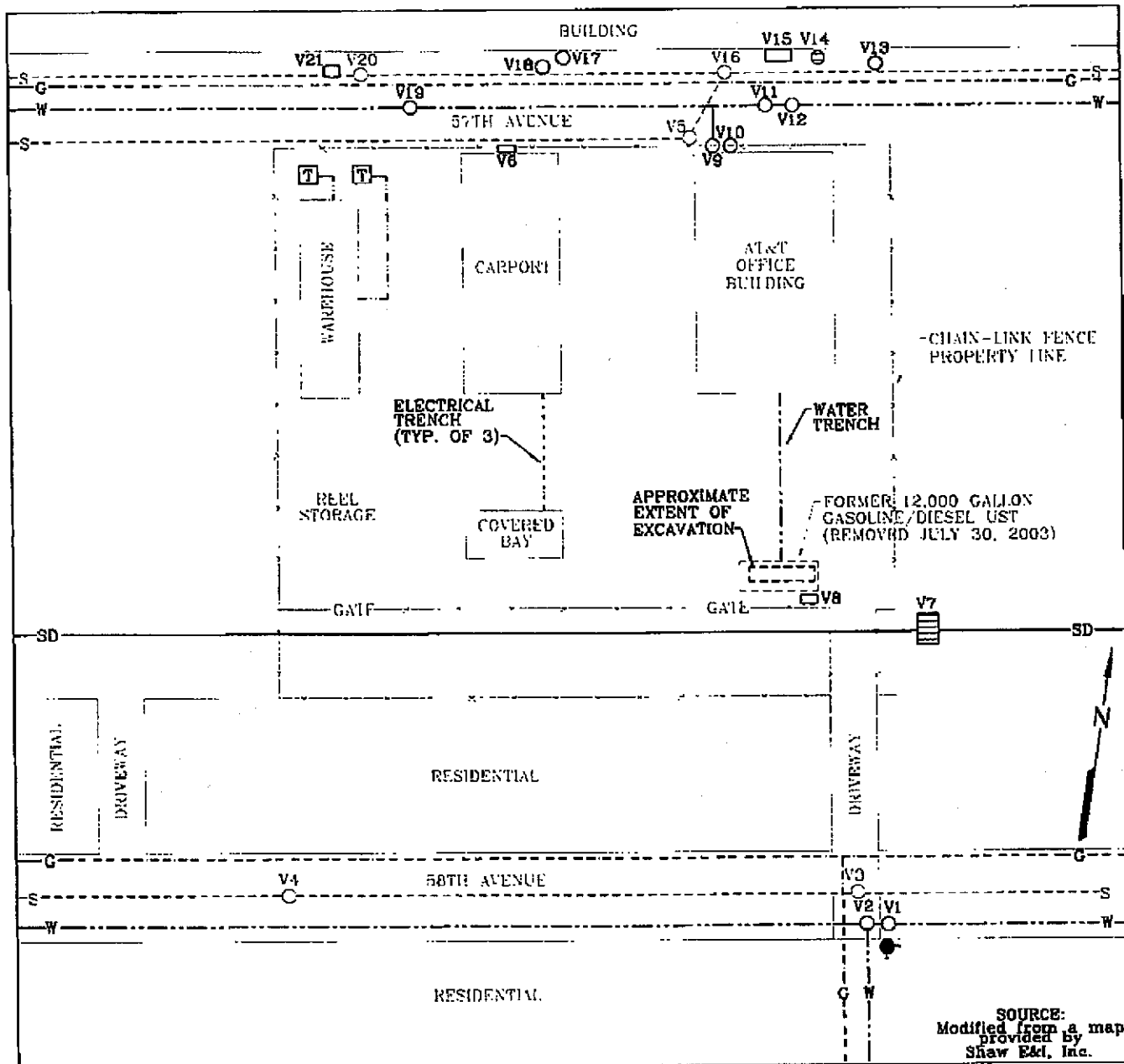


LEGEND

- GROUNDWATER SAMPLE LOCATION (JULY 31, 2003)
- TPH-C TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- TPH-D TOTAL PETROLEUM HYDROCARBONS AS DIESEL
- B BENZENE
- T TOLUENE
- E ETHYLBENZENE
- X XYLENES
- MTBE METHYL TERTIARY BUTYL ETHER
- ND NOT DETECTED ABOVE METHOD LIMITS

ALL RESULTS REPORTED IN PARTS PER BILLION

<p>Shaw E&amp;I, Inc.</p>	<p>SBC FACILITY OAKLAND, CALIFORNIA</p>
	<p>FIGURE 4 GROUNDWATER SAMPLE ANALYTICAL RESULTS (JULY 31, 2003) 1189 58TH AVENUE OAKLAND, CALIFORNIA</p>

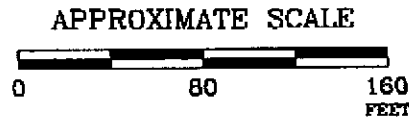


SOURCE:  
Modified from a map  
provided by  
Shaw E&I, Inc.

FN 26730002\_SRS\_SP

**UTILITY LEGEND**

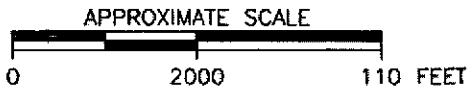
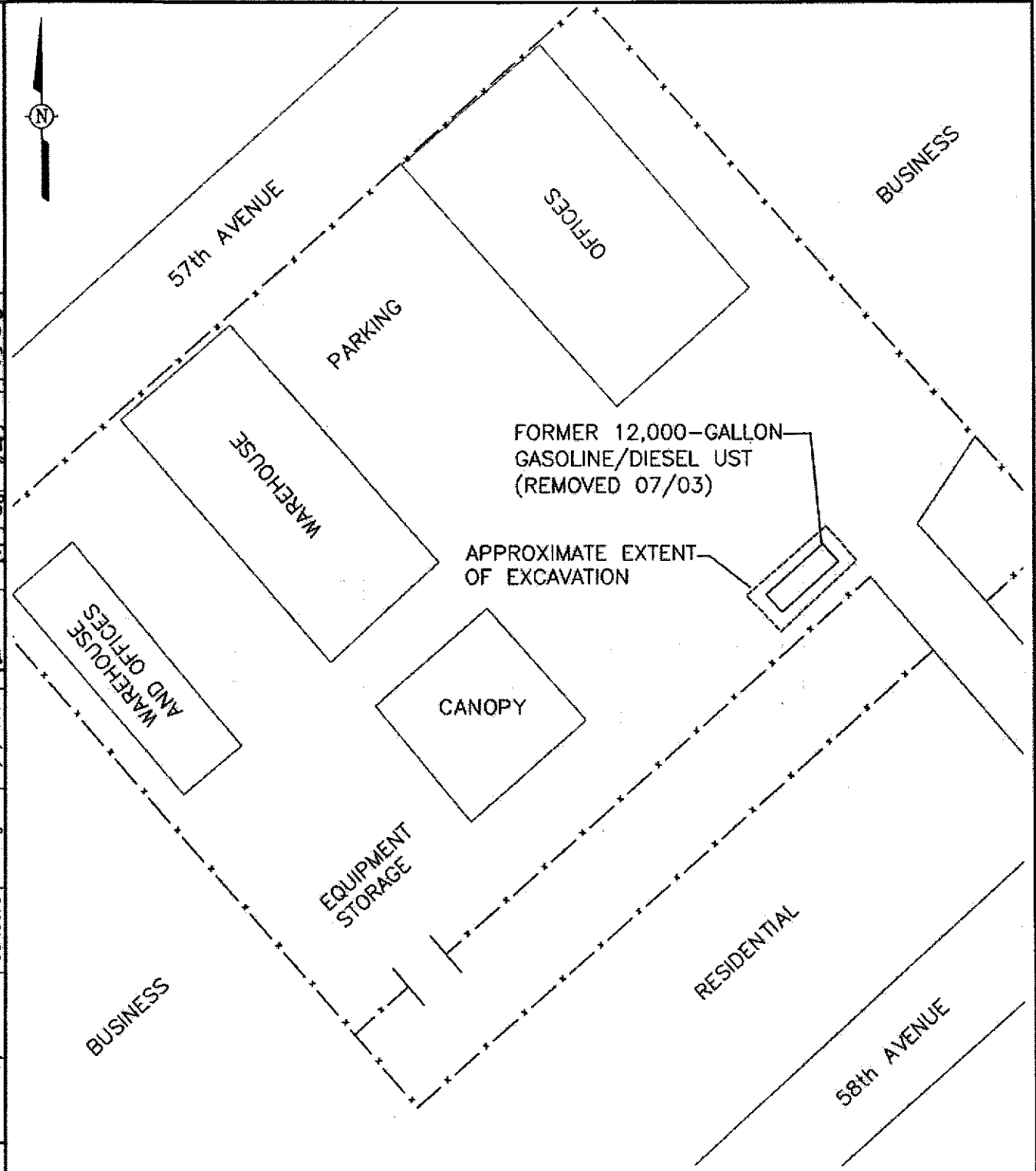
UTILITY LINES		UTILITY VAULTS	
- - - - -	ELECTRICAL	□	ELECTRICAL VAULT
- - - - -	GAS	○	SEWER VAULT
- - - - -	SEWER	▤	DRAIN
— — — — —	STORM DRAIN	●	FIRE HYDRANT
- - - - -	WATER	□	UNKNOWN VAULT



**UTILITY VAULT AND  
UNDERGROUND MAP**  
AT&T MAINTENANCE FACILITY  
1189 58TH Avenue  
Oakland, California

PROJECT NO.  
2673  
PLATE  
6

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
7/28-58th Ave	---	Concord	R. Langston 7/9/2008	JLD 7-15-08	JLD 7-15-08	130263-A23



 <b>Shaw</b>	PREPARED FOR AT&T SERVICES INC. DALLAS, TEXAS
	FIGURE 2 SITE PLAN AT&T FACILITY 1189 58th AVENUE OAKLAND, CALIFORNIA



130263-A26  
DRAWING NUMBER

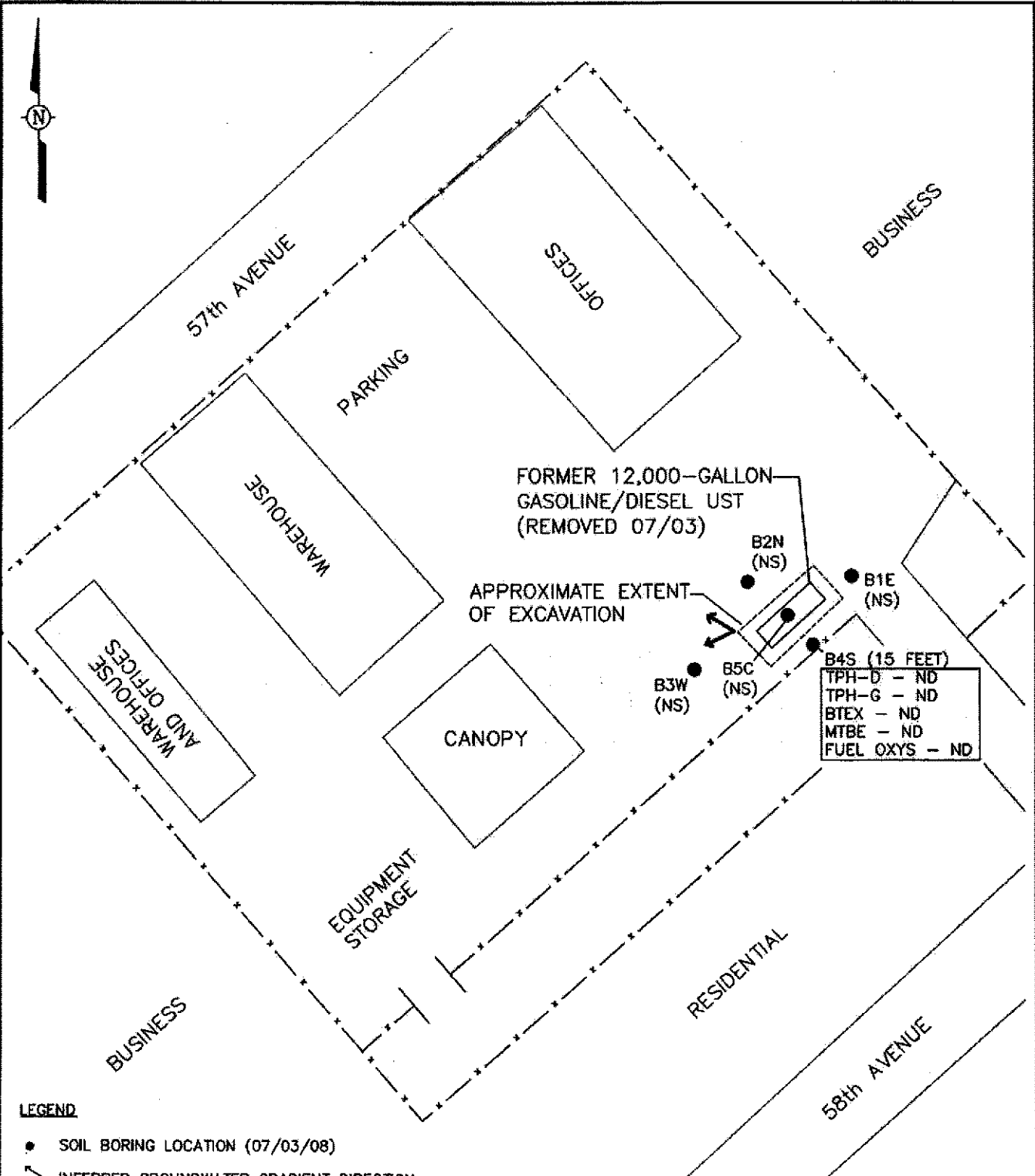
APPROVED BY  
2-D 7-15-08

CHECKED BY  
2-D 7-15-08

DRAWN BY  
R. Langston 7/9/2008

OFFICE  
Concord

X-REF  
1189-060416



B4S (15 FEET)	TPH-D - ND
	TPH-G - ND
	BTEX - ND
	MTBE - ND
	FUEL OXYS - ND

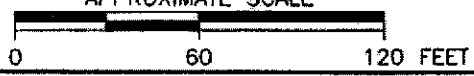
**LEGEND**

- SOIL BORING LOCATION (07/03/08)
- INFERRED GROUNDWATER GRADIENT DIRECTION

TPH-D - TOTAL PETROLEUM HYDROCARBONS AS DIESEL  
 TPH-G - TOTAL PETROLEUM HYDROCARBONS AS GASOLINE  
 BTEX - BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES  
 MTBE - METHYL TERTIARY BUTYL ETHER  
 FUEL OXYS - DI-ISOPROPYL ETHER, TERT-AMYL METHYL ETHER,  
 TERT-BUTANOL, AND ETHANOL  
 ND - NOT DETECTED  
 NS - NOT SAMPLED

ALL RESULTS REPORTED IN MILLIGRAMS PER KILOGRAM

APPROXIMATE SCALE



PREPARED FOR  
AT&T SERVICES INC.  
DALLAS, TEXAS

**FIGURE 3**  
SOIL SAMPLE ANALYTICAL DATA  
AT&T FACILITY  
1189 58th AVENUE  
OAKLAND, CALIFORNIA

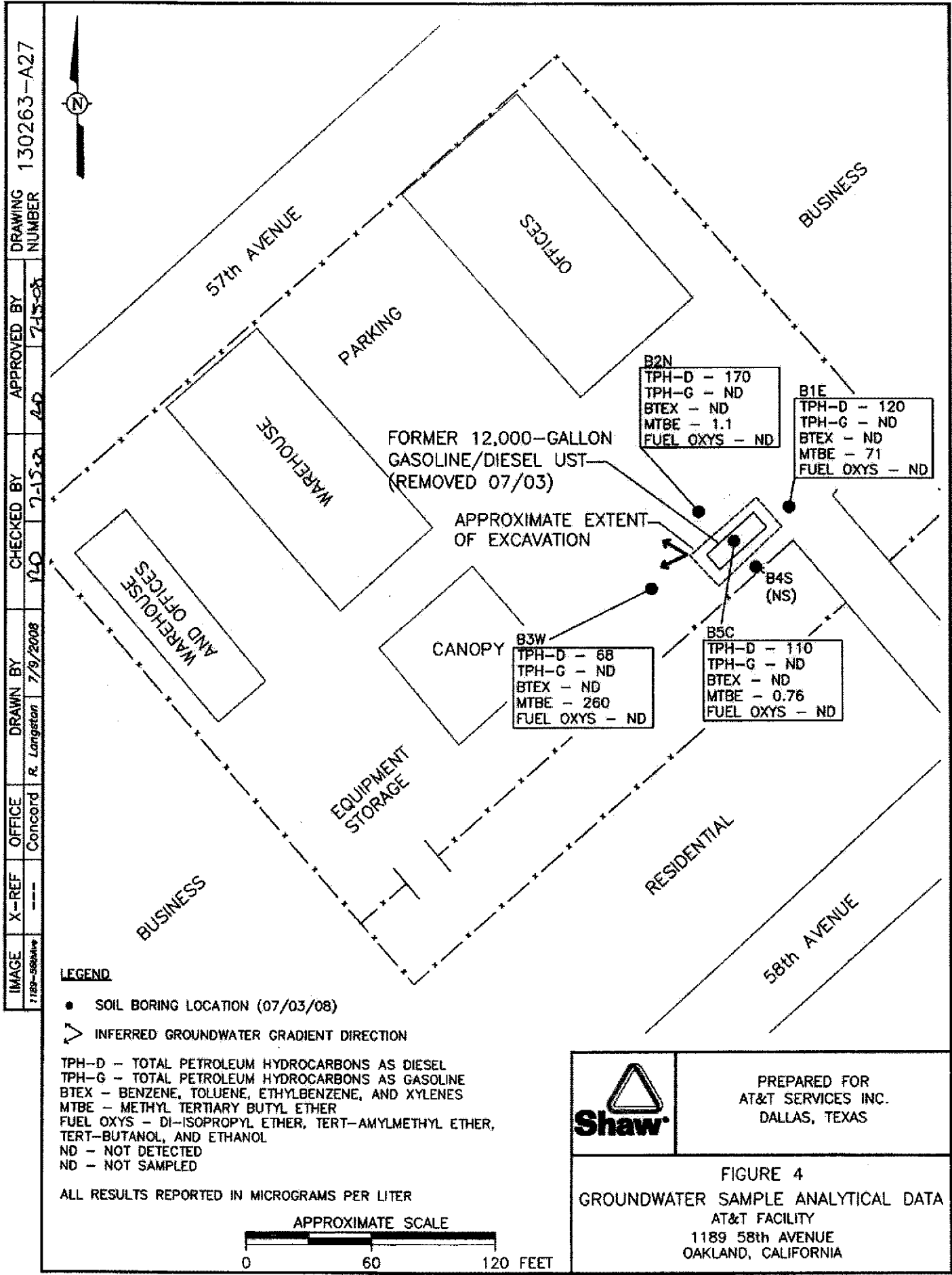


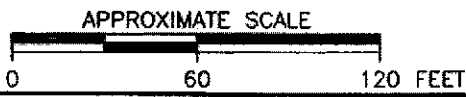
IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
1189-588Ave	---	Concord	R. Langston	7/9/2008	7/15/08	130263-A27

**LEGEND**

- SOIL BORING LOCATION (07/03/08)
- ↘ INFERRED GROUNDWATER GRADIENT DIRECTION

TPH-D - TOTAL PETROLEUM HYDROCARBONS AS DIESEL  
 TPH-G - TOTAL PETROLEUM HYDROCARBONS AS GASOLINE  
 BTEX - BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES  
 MTBE - METHYL TERTIARY BUTYL ETHER  
 FUEL OXYS - DI-ISOPROPYL ETHER, TERT-AMYL METHYL ETHER,  
 TERT-BUTANOL, AND ETHANOL  
 ND - NOT DETECTED  
 NS - NOT SAMPLED

ALL RESULTS REPORTED IN MICROGRAMS PER LITER



	PREPARED FOR AT&T SERVICES INC. DALLAS, TEXAS
	<b>FIGURE 4</b> GROUNDWATER SAMPLE ANALYTICAL DATA AT&T FACILITY 1189 58th AVENUE OAKLAND, CALIFORNIA

**TABLE 1**  
**Soil Sample Analytical Results**  
**SBC Facility**  
**1189 58<sup>th</sup> Avenue**  
**Oakland, California**

Sample I.D.	Sample Location	Sample Depth (bsg)	Date Collected	TPH-D	TPH-G	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Total Lead
				(all results reported in parts per million)							
TP1-(9')	north side of tank excavation	9 feet	07/30/03	ND <sub>1.0</sub>	ND <sub>1.0</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.05</sub>	ND <sub>3.0</sub>
TP2-(9')	east side of tank excavation	9 feet	07/30/03	ND <sub>1.0</sub>	ND <sub>1.0</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.05</sub>	ND <sub>3.0</sub>
TP3-(9')	south side of excavation	9 feet	07/30/03	ND <sub>1.0</sub>	ND <sub>1.0</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	0.079	ND <sub>3.0</sub>
TP4-(9')	west side of excavation	9 feet	07/30/03	ND <sub>1.0</sub>	ND <sub>1.0</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.05</sub>	ND <sub>3.0</sub>
CS(1-4)	soil stockpile	---	07/30/03	ND <sub>1.0</sub>	ND <sub>1.0</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.05</sub>	ND <sub>3.0</sub>

Notes:

bsg - below surface grade

TPH-D - total petroleum hydrocarbons as diesel

TPH-G - total petroleum hydrocarbons as gasoline

MTBE - methyl tertiary butyl ether

ND<sub>x</sub> - not detected above "x" laboratory detection limits

**TABLE 2**  
**Groundwater Sample Analytical Results**  
**SBC Facility**  
**1189 58<sup>th</sup> Avenue**  
**Oakland, California**

Sample I.D.	Sample Location	Sample Depth (bsg)	Date Collected	TPH-D	TPH-G	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Total Lead
				(all results reported in parts per billion)							
TP-W-1(07-03)	tank excavation	10 feet	07/31/03	190	1,600	51	300	32	260	1,800	6.1

Notes:

bsg – below surface grade

TPH-D – total petroleum hydrocarbons as diesel

TPH-G – total petroleum hydrocarbons as gasoline

MTBE – methyl tertiary butyl ether

**TABLE 1**  
**Summary of Soil Sample Analytical Data**  
**AT&T Facility**  
**1189 58th Avenue**  
**Oakland, California**

Sample I.D.	Sample Location	Sample Depth (bsg)	Date Collected	TPH-D	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Four Fuel Oxygenates	Total Lead
				(all results reported in milligrams per kilogram)								
B4S-15	soil boring B4S	15 feet	07/03/08	ND <sub>1.0</sub>	ND <sub>1.0</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005-0.025</sub>	NA
B1-5	soil cuttings	---	07/03/08	24	ND <sub>1.0</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005</sub>	ND <sub>0.005-0.025</sub>	14
San Francisco RWQCB ESLs, deep soil impact, drinking water resource				83	83	0.044	2.9	3.3	2.3	0.023	TBA - 0.075	750
San Francisco RWQCB ESLs, deep soil impact, non-drinking water resource				180	180	2.0	9.3	4.7	11	8.4	TBA - 110	750

Notes:

bsg - below surface grade

TPH-D - total petroleum hydrocarbons as diesel

TPH-G - total petroleum hydrocarbons as gasoline

MTBE - methyl tertiary butyl ether

Four Fuel Oxygenates - di-isopropyl ether, tert-amymethyl ether, tert-butanol (TBA), and ethanol

ND<sub>x</sub> - not detected above "x" laboratory detection limits

NA - not analyzed

San Francisco Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*

*Volume 1: Summary Tier 1 Lookup Tables, Interim Final - May 2008*

TPH-D ESL compared to TPH (middle distillate) value

**TABLE 2**  
**Summary of Groundwater Sample Analytical Data**  
**AT&T Facility**  
**1189 58th Avenue**  
**Oakland, California**

Sample I.D.	Sample Location	Date Collected	TPH-D	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Four Fuel Oxygenates
			(all results reported in micrograms per liter)							
B1E	soil boring B1E	07/03/08	120	ND <sub>50</sub>	ND <sub>1.2</sub>	ND <sub>1.2</sub>	ND <sub>1.2</sub>	ND <sub>1.2</sub>	71	ND <sub>1.2-120</sub>
B2N	soil boring B2N	07/03/08	170	ND <sub>50</sub>	ND <sub>0.5</sub>	ND <sub>0.5</sub>	ND <sub>0.5</sub>	ND <sub>0.5</sub>	1.1	ND <sub>0.5-50</sub>
B3W	soil boring B3W	07/03/08	68	ND <sub>50</sub>	ND <sub>10</sub>	ND <sub>10</sub>	ND <sub>10</sub>	ND <sub>10</sub>	260	ND <sub>10-1,000</sub>
B5C	soil boring B5C	07/03/08	110	ND <sub>50</sub>	ND <sub>0.5</sub>	ND <sub>0.5</sub>	ND <sub>0.5</sub>	ND <sub>0.5</sub>	0.76	ND <sub>0.5-50</sub>
San Francisco RWQCB ESLs, deep soil impact, drinking water resource			100	100	1.0	40	30	20	5.0	TBA - 12
San Francisco RWQCB ESLs, deep soil impact, non-drinking water resource			210	210	46	130	43	100	1,800	TBA - 18,000

Notes:

bsg - below surface grade

TPH-D - total petroleum hydrocarbons as diesel

TPH-G - total petroleum hydrocarbons as gasoline

MTBE - methyl tertiary butyl ether

Four Fuel Oxygenates - di-isopropyl ether, tert-amymethyl ether, tert-butanol (TBA), and ethanol

ND<sub>x</sub> - not detected above "x" laboratory detectio

San Francisco Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs)

from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*

*Volume 1: Summary Tier 1 Lookup Tables, Interim Final - May 2008*

TPH-D ESL compared to TPH (middle distillate) value

# BORING NO. B1E

COORDINATES: N. \_\_\_\_\_  
E. \_\_\_\_\_

FIELD GEOLOGIST J. Strock DATE BEGAN 7/3/08  
 CHECKED BY \_\_\_\_\_ DATE FINISHED 7/3/08  
 APPROVED BY \_\_\_\_\_ RIM ELEVATION \_\_\_\_\_  
 TOTAL DEPTH 24.0 ft. CORE SIZE \_\_\_\_\_

DEPTH IN FEET	SAMPLE NUMBER	RECOVERY	P.L.D.	DRILLING REMARKS	USCS PROFILE	DESCRIPTION
0					FI	Asphalt surface/FI material
0		Hand Auger	0.0ppm		CH	Fat Clay: bluish black (SB 2.5/1) to dark grayish brown (SB 2.5/2), moist to slightly moist, stiff, high plasticity.
5.5		100%	12.0ppm			
9.0		100%	2.7ppm		CL	Sandy Clay: olive brown (2.5Y 4/3), slightly moist, stiff, medium plasticity.
15.0		80%	0.0ppm			
19.0		100%	0.0ppm		CL	Clay: dark gray (5Y 4/1), moist, stiff, low plasticity, up to 10% to fine to medium sand.  Stiff to very stiff from 15 ft. to 19ft.  GROUNDWATER AT 19 ft. BSG.
20.0		100%	0.0ppm			
24.0						Total Depth: 24ft.

DRILLER : Armando  
 DRILLING CO. : Gregg Drilling  
 DRILLING METHOD : Direct Push, Hand Auger to 5'  
 SAMPLING METHOD : 48" Line Core Samplers  
 PROJECT : AT&T - Oakland  
 LOCATION : 1189 58th Ave. Oakland, CA  
 PROJECT NO. : 130263



DRAWN BY	R. Langston	CHECKED BY	<u>7/3/08</u>	DRAWING NO. : 130263-A28
DATE	7/3/08	APPROVED BY	<u>7-15-08</u>	

# BORING NO. B2N

COORDINATES: N. \_\_\_\_\_  
E. \_\_\_\_\_

FIELD GEOLOGIST J. Strack

DATE BEGAN 7/3/08

CHECKED BY \_\_\_\_\_

DATE FINISHED 7/3/08

APPROVED BY \_\_\_\_\_

RIM ELEVATION \_\_\_\_\_

TOTAL DEPTH 20.0 ft.

CORE SIZE \_\_\_\_\_

DEPTH IN FEET	SAMPLE NUMBER	RECOVERY	P.I.D.	DRILLING REMARKS	USCS PROFILE	DESCRIPTION
0					fill	Asphalt surface/fill material
5		Hand Auger	0.0ppm		CH	Fat Clay: bluish black (SB 2.5/1), moist to slightly moist, stiff, high plasticity.
7.0'		100	0.0ppm			
11.0'		100	0.0ppm		CL	Clay: dark green (56Y 4/1), slightly moist, stiff, medium plasticity.
11.0'		50	0.0ppm			
15		50	0.0ppm		CL	Clay with silt: olive gray (5Y 4/1), slightly moist, stiff, low plasticity.
16				Groundwater at 16 feet.		
18				Very soft from 18 feet to 20 feet.		
20.0'		100	0.0ppm			
20				Total Depth: 20 ft.		
25						
30						
35						

DRILLER : Armando  
 DRILLING CO. : Gregg Drilling  
 DRILLING METHOD : Direct Push, Hand Auger to 5'  
 SAMPLING METHOD : 48" Line Core Samplers  
 PROJECT : AT&T - Oakland  
 LOCATION : 1189 58th Ave. Oakland, CA  
 PROJECT NO. : 130263

PAGE 1 OF 1



DRAWN BY	R. Langston	CHECKED BY	<u>Jo 7-15-08</u>	DRAWING NO. : 130263-A30
DATE	7/3/08	APPROVED BY	<u>Jo 7-15-08</u>	



DEPTH IN FEET		SAMPLE NUMBER	RECOVERY	P.I.D.	DRILLING REMARKS	USCS	PROFILE	BORING NO. B3W	
								COORDINATES: N. _____ E. _____	
0								FIELD GEOLOGIST <u>J. Strack</u>	DATE BEGAN <u>7/3/08</u>
								CHECKED BY _____	DATE FINISHED <u>7/3/08</u>
								APPROVED BY _____	RIM ELEVATION _____
								TOTAL DEPTH <u>20.0 ft.</u>	CORE SIZE _____
								DESCRIPTION	
0							fill	Asphalt surface/fill material	
5			HWD HWD	0.003'			CL	Clay: bluish black to dark grayish brown (5S 2.5/1)-2.5Y 4/2), slightly moist, stiff to very stiff, medium plasticity, slight hydrocarbon odor 3 ft. to 5 ft.	
5				0.005'				5.0'	
5			30/35	0.007'				Clay: olive gray (5Y 5/25), SL, moist to moist, stiff, low to medium plasticity.	
10			48/48	0.009'			CL		
10			48/48	0.007'				Becomes soft at 13 ft.	
15				0.0015'				Clay with silt: very pale brown (10YR 7/4), slightly moist, very stiff to hard non plastic, silt decreases. At 14 ft. becomes soft, moist, low to med. plasticity.	
15			48/48	0.0010'			CL	At 15 ft. : Clay: Lt. yellow brown (2.5Y 6/3), moist, stiff, med. plasticity, trace sand and pebbles. Becomes soft at 20 ft.	
20								14.0'	
20								15.0'	
20								20.0'	
20								Total Depth: 20ft.	

DRILLER : Armando  
 DRILLING CO. : Gregg Drilling  
 DRILLING METHOD : Direct Push, Hand Auger to 5'  
 SAMPLING METHOD : 48" Line Core Samplers  
 PROJECT : AT&T - Oakland  
 LOCATION : 1189 58th Ave. Oakland, CA  
 PROJECT NO. : 130263

DRAWN BY	R. Langston	CHECKED BY	<i>MD 7-15-08</i>	DRAWING NO. : 130263-A24
DATE	7/3/08	APPROVED BY	<i>MD 7-15-08</i>	



				BORING NO. B4S	
				COORDINATES: N. _____ E. _____	
				FIELD GEOLOGIST <u>J. Strack</u> DATE BEGAN <u>7/3/08</u>	
				CHECKED BY _____ DATE FINISHED <u>7/3/08</u>	
				APPROVED BY _____ RIM ELEVATION _____	
				TOTAL DEPTH <u>20.0 ft.</u> CORE SIZE _____	
				DESCRIPTION	
DEPTH IN FEET	SAMPLE NUMBER	RECOVERY	P.I.D.	DRILLING REMARKS	USCS PROFILE
0					fill
					Asphalt surface/fill material
					Clay: bluish black to dark brown, slightly moist, stiff, medium plasticity.
		Hand Auger	0.0ppm		CL
4.0'					
5		100%	0.0ppm		CL
					Clay: olive gray (5Y 4/3), slightly moist, medium stiff to stiff, medium plasticity.
10		100%	0.0ppm		CL
15	B4S-15	100%	0.0ppm		CL
					Clay: light yellow brown (2.5Y 5/4), slightly moist, stiff, medium plasticity, trace sand and round pebbles.
					Contains sand, pebbles and shell fragments near 15ft. Becomes wet 16.5 to 17 ft.
14.5'		100%	0.0ppm		CL
20	B4S-20	100%	0.0ppm		CL
					Total Depth: 20ft.
20.0'					
25					
30					
35					

DRILLER : Armando  
 DRILLING CO. : Gregg Drilling  
 DRILLING METHOD : Direct Push, Hand Auger to 15'  
 SAMPLING METHOD : 48" Line Core Samplers  
 PROJECT : AT&T - Oakland  
 LOCATION : 1189 58th Ave. Oakland, CA  
 PROJECT NO. : 130263



DRAWN BY	R. Longton	CHECKED BY	<u>RD 7/3/08</u>	DRAWING NO. : 130263-A25
DATE	7/3/08	APPROVED BY	<u>RD 7/3/08</u>	

# BORING NO. B5C

COORDINATES: N. \_\_\_\_\_  
E. \_\_\_\_\_

FIELD GEOLOGIST J. Struck DATE BEGAN 7/3/08  
 CHECKED BY \_\_\_\_\_ DATE FINISHED 7/3/08  
 APPROVED BY \_\_\_\_\_ RIM ELEVATION \_\_\_\_\_  
 TOTAL DEPTH 24.0 ft. CORE SIZE \_\_\_\_\_

DEPTH IN FEET	SAMPLE NUMBER	RECOVERY	P.I.D.	DRILLING REMARKS	USCS	PROFILE	DESCRIPTION
0						Asph	Asphalt surface
0		Hand Auger	0.0 ppm			Fill	Fill: pea gravel with fines compacted dry
0			0.0 ppm				
5		50%					
10		50%					
15		50%					Saturated PEA gravel 14 to 15 ft. 15.0'
15		100%			CL		Clay with sand: olive gray (5Y 4/2), moist to very moist, stiff, medium plasticity, up to 10% fine sand, moderate hydrocarbon odor. 17.0'
20		Hydro-punch					No core this interval; hydro-punch from 21 feet to 24 feet bag. 24.0'
25							Total Depth: 24.0 ft.

DRILLER : Armando  
 DRILLING CO. : Gregg Drilling  
 DRILLING METHOD : Direct Push, Hand Auger to 5'  
 SAMPLING METHOD : 48" Line Core Samplers  
 PROJECT : AT&T - Oakland  
 LOCATION : 1189 58th Ave. Oakland, CA  
 PROJECT NO. : 130263.12



DRAWN BY	R. Langston	CHECKED BY	<u>120 7-5-08</u>	DRAWING NO. : 130263-A29
DATE	7/3/08	APPROVED BY	<u>120 7-15-08</u>	