



*Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510)567-6700 FAX (510)337-9335 cc:458*

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 3708 - 2388 2nd Street, Livermore 94550

February 6, 1996

Ms. Irene Soto
Pacifice Bell
2600 Camino Ramon, Room 2E050
San Ramon, CA 94583

Dear Ms. Soto:

This letter confirms the completion of site investigation and remedial action for the former underground storage tanks (2-550 and 1-5,000 gallon diesel tanks) removed from the above site on June 16, 1991, November 2, 1993, and October 21, 1994). Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721(e) of the California Code of Regulations. Please contact Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'Jun Makishima', is written over the typed name.

Jun Makishima, Interim Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
files. (pacbell1.5)

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: January 5, 1996

Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Pkwy**
 City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**
 Responsible staff person: **Eva Chu** Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Pacific Bell**
 Site facility address: **2388 2nd Street, Livermore 94550**
 RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **3708**
 URF filing date: **3/5/87** SWEEPS No: **N/A**

| <u>Responsible Parties:</u> | <u>Addresses:</u> | <u>Phone Numbers:</u> |
|--|--|-----------------------|
| Pacific Bell c/o Irene Soto | 2600 Camino Ramon, Room 2E050 San Ramon, CA 94583 | |

| <u>Tank No:</u> | <u>Size in gal.:</u> | <u>Contents:</u> | <u>Closed in-place or removed?:</u> | <u>Date:</u> |
|-----------------|----------------------|------------------|-------------------------------------|-----------------|
| 1 | 5,000 | Diesel | Removed | 11/2/93 |
| 2 | 550 | Diesel | Removed | 6/16/91 |
| 3 | 550 | Diesel | Removed | 10/21/94 |

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**
 Site characterization complete? **YES**
 Date approved by oversight agency: **10/10/95**
 Monitoring Wells installed? **No** Number:
 Proper screened interval? **NA**
 Highest GW depth below ground surface: Lowest depth: **NA**
 Flow direction: **NA**
 Most sensitive current use: **Commercial**
 Are drinking water wells affected? **No** Aquifer name: **NA**
 Is surface water affected? **NO** Nearest affected SW name: **NA**
 Off-site beneficial use impacts (addresses/locations): **None**

Report(s) on file? **YES** Where is report(s) filed? **Alameda County**
1131 Harbor Bay Pkwy
Alameda, CA 94502

95 FEB -2
 11:41
 1995

Treatment and Disposal of Affected Material:

| <u>Material</u> | <u>Amount (include units)</u> | <u>Action (Treatment or Disposal w/destination)</u> | <u>Date</u> |
|-----------------|-----------------------------------|---|---------------------|
| Tank & Piping | 3 USTs | Erickson, in Richmond 11/2/93, & 10/21/94 | 6/17/91 |
| Soil | 40 cy 10 cy | Vasco Rd L.F. in Livermore Remco, in Richmond | 7/30/91 10/26/94 |

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

| <u>Contaminant</u> | <u>Soil (ppm)</u> | | <u>Water (ppb)</u> | |
|--------------------|---------------------------|--------------------------|--------------------|--------------|
| | <u>Before¹</u> | <u>After²</u> | <u>Before</u> | <u>After</u> |
| TPH (Gas) | | | | |
| TPH (Diesel) | 19,000 | 1,700 | | |
| Benzene | 0.49 ³ | 0.49 ³ | | |
| Toluene | 15 | 0.58 | | |
| Ethylbenzene | 6.1 | 0.97 | | |
| Xylenes | 51 | 3.1 | | |

- NOTE:
- 1 From piping trench, sample PT-1
 - 2 From 5K UST pit, sample EX-1
 - 3 From UST-1 pit, sample SS-1

Comments (Depth of Remediation, etc.):

See Section VII, Additional Comments, etc...

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **Undetermined**
 Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **Undetermined**
 Does corrective action protect public health for current land use? **YES**
 Site management requirements: **None**

Should corrective action be reviewed if land use changes? **YES**
 Monitoring wells Decommissioned: **NA**
 Number Decommissioned: Number Retained:
 List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**


V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature:  Date: 1/5/96

Reviewed by

Name: Barney Chan Title: Haz Mat Specialist

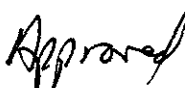
Signature:  Date: 1/5/96

Name: Dale Klettke Title: Haz Mat Specialist

Signature:  Date: 1/5/96


VI. RWQCB NOTIFICATION

Date Submitted to RB:

RB Response: 

RWQCB Staff Name: Kevin Graves

Title: AWRCE

Signature: 

Date: 1/31/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

In June 1991 three USTs were located at the site. Two 550 gallon USTs (UST-1 and 2) had been previously abandoned-in-place with sand and cement. The third UST (UST-3), 5,000 gallon capacity, was still in use. At this time, UST-2 was excavated and removed. One confirmatory soil sample (UT-1) was collected at 9' depth. Also, two angle borings (B1, B2) were advanced adjacent to UST-1, collecting soil samples beneath the base of the tank. Analytical results did not detect TPH-D or BTEX in any of the soil samples. Approximately 40 cy of contaminated stockpiled soil from the excavation was disposed at Vasco Road L.F. in Livermore. See Fig 1.

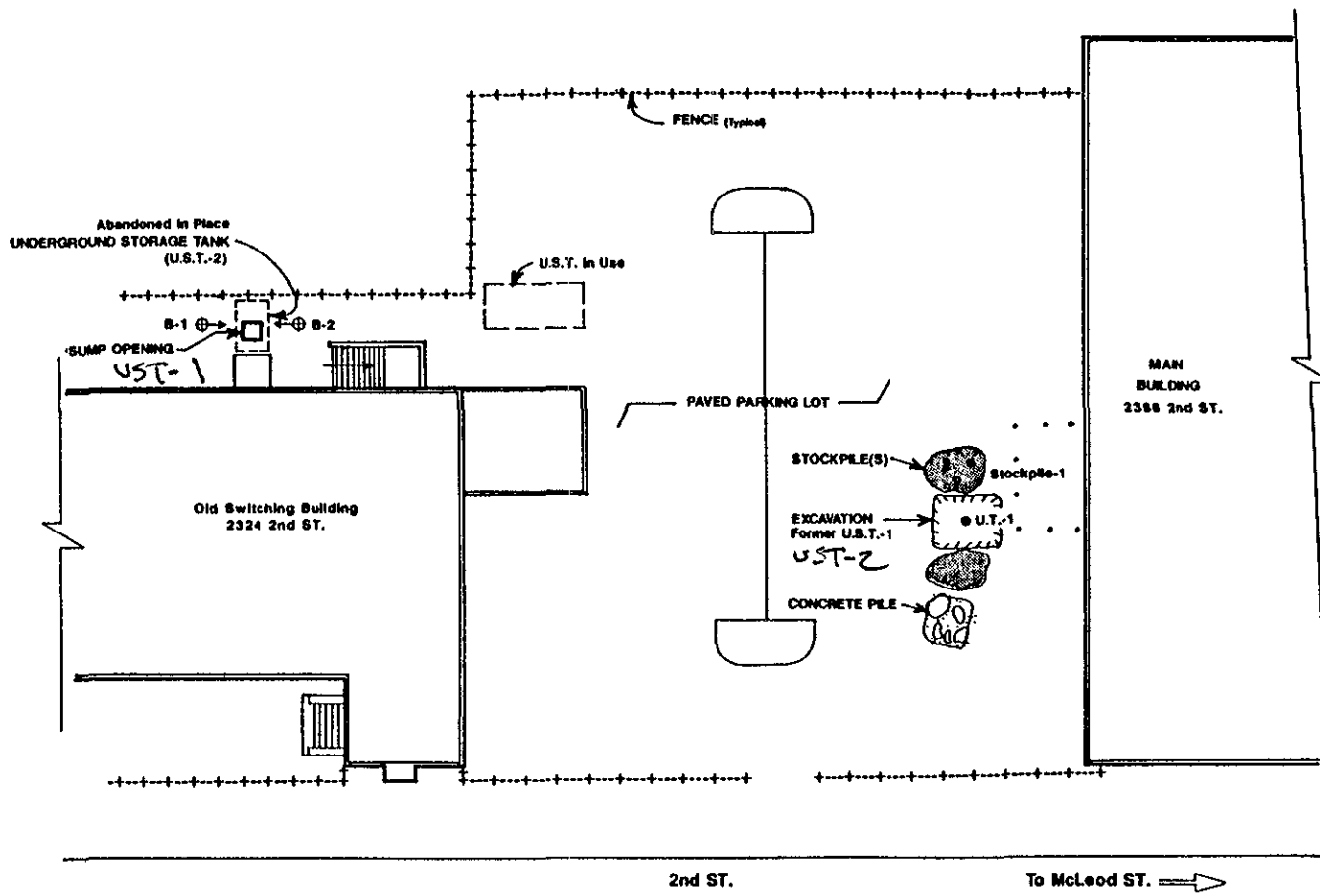
On November 2, 1993 the 5,000 gallon UST was removed, and replaced by a double-walled UST (4,000 gallon capacity) in another pit. This tank was situated on a concrete slab at approximately 11' bgs. Soil samples (EX-1, EX-2) were collected at the soil/concrete slab interface. Five soil samples (PT1 thru 5) were also collected from the pipe trench. Up to 1,700 ppm TPH-K, and ND, 0.58, 0.97, and 3.1 ppm BTEX, respectively, were detected from EX-1. Sample PT-1 detected 19,000 ppm TPH-K, and ND, 15, 6.1, and 51 ppm BTEX, respectively. Since the 5K UST was used to store diesel only, and the lab results indicated the TPH detected was indicative of kerosene, it was suspected that the other abandoned UST (UST-1) may have stored kerosene. A soil sample of the sand in UST-1 exhibited up to 2,800 ppm TPH-K, 0.27 toluene and 1.0 ppm xylenes. See Fig 2, Table 1.

UST-1 was removed on October 21, 1994. This tank was within a concrete vault (4 walls), but the bottom was sand and native sediments. Soil samples SS-1 and SS-2 were collected from the excavation floor. Sample SS-1 detected 53 ppm TPH-K, 52 ppm TPH-D, 0.49, 11, 2.4, and 8.1 ppm BTEX, respectively. See Fig 2, Table 1.

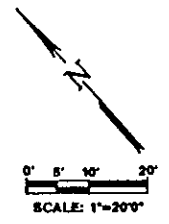
In April 1995, seven soil borings (SB-1 thru SB-7) were emplaced around the former 5K UST and piping, to delineate the extent of soil contamination. Soil samples collected at 5, 10, 15, and 20' depths did not detect TPH-G, TPH-K, or BTEX, except for sample SB-2-5, collected at 5' depth. Diesel at 49 ppm was the only contaminant detected in SB-2-5. This sample was approximately 15' from PT-1, where up to 19,000 ppm TPH-K had previously been detected. Subsequent analytical procedures suggested that the reported petroleum hydrocarbons were probably a lighter grade of diesel rather than kerosene. This was supported by Pacific Bell records which indicated no historical storage and/or usage of kerosene at this site. See Fig 2, Table 1.

In July 1995 the area around PT-1 was overexcavated, removing approximately 2.25 cy of soil. A soil sample PBL-T1 collected in the excavation at 5' bgs detected 6.8 ppm TPH-D and no BTEX. A composite sample of the stockpiled soil detected 15 ppm TPH-D, and no BTEX. See Fig 3. It does not appear the original detection of 19,000 ppm diesel in soil is currently present.

Residual diesel contamination at 11' bgs is limited in extent, as demonstrated with soil samples collected from the UST removal and the 7 soil borings to 20' depth. Groundwater was not encountered to 20' bgs. Only low to non detectable levels of BTEX have been found in soil. The site is currently paved with asphalt. Potential for the leaching of residual hydrocarbons in soil to groundwater is minimal. Groundwater monitoring wells are not warranted.



- EXPLANATION
- U.T.-1 SOIL SAMPLE LOCATION
 - ⊕ B-1 SOIL ANGLE BORING LOCATION
 - Stockpile-1 Composite Stockpile Sample



AMERICAN
ENVIRONMENTAL MANAGEMENT CORP.

FIGURE 1
SITE PLAN & SAMPLE LOCATIONS

PACIFIC BELL - Livermore, Ca.

| | | |
|---------------|---------------|-------------------|
| DRAWN BY: GPM | DATE: 6/27/81 | PROJECT NO. 82930 |
|---------------|---------------|-------------------|

FIG. 1

760397-X8

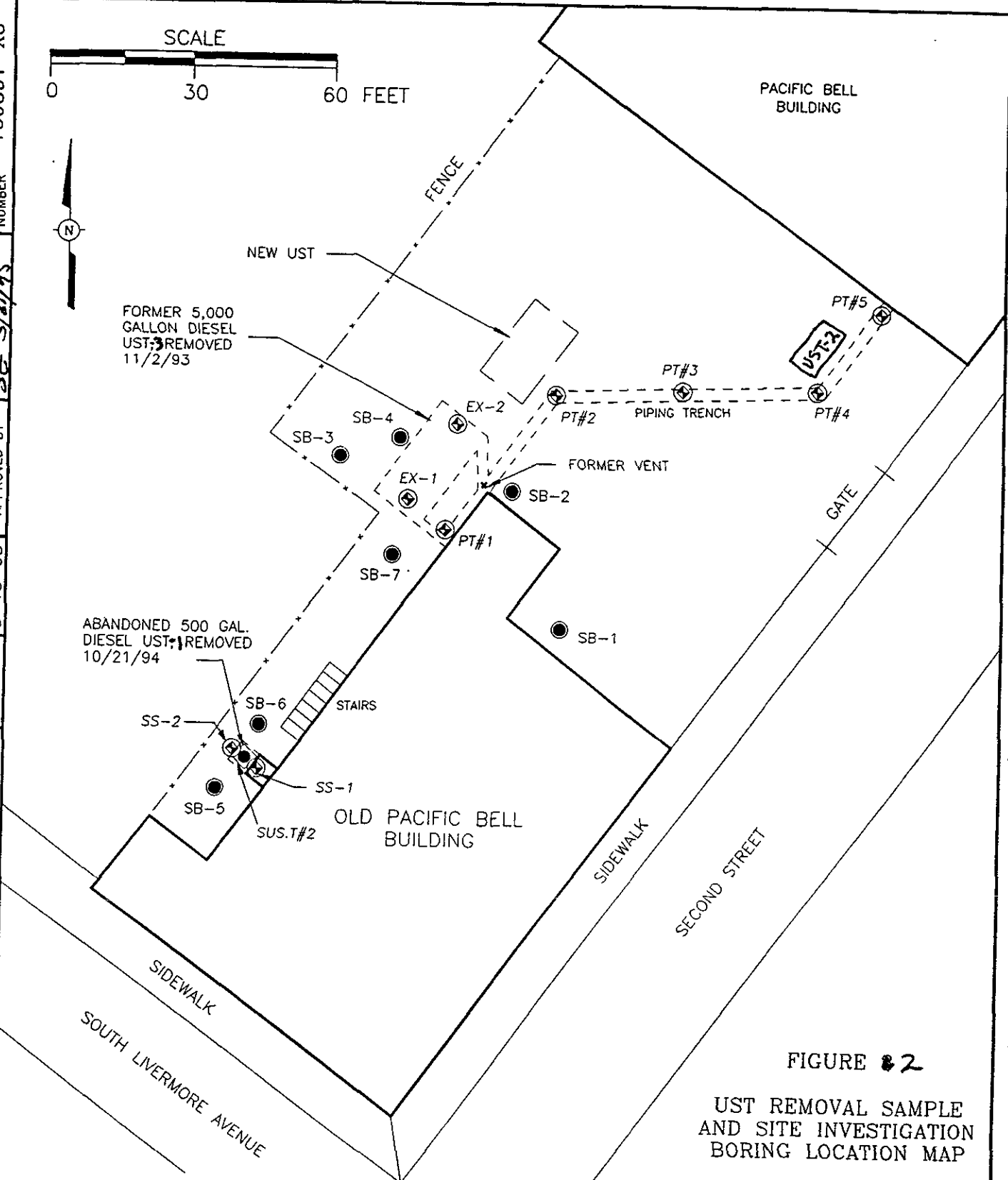
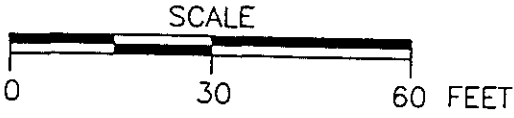
DRAWING NUMBER

J. Robb 5/20/95
SB 5/2/95

CHECKED BY
APPROVED BY

D. BANNON
5-18-95

DRAWN BY



LEGEND

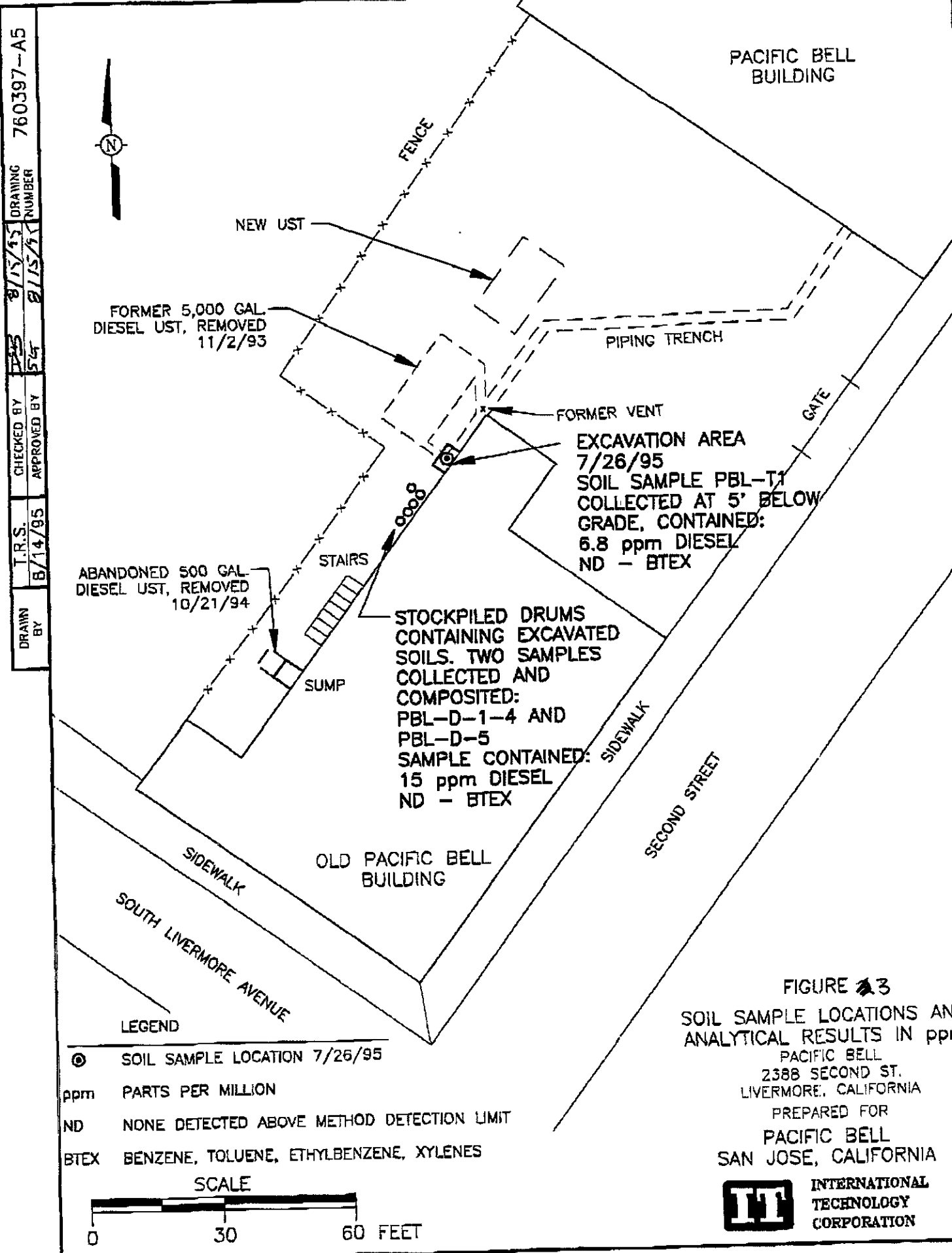
- SOIL BORING LOCATION
- ⊕ UST REMOVAL SOIL SAMPLE LOCATION
- ◆ SAMPLE COLLECTED FROM FILL PIPE OF IN-PLACE ABANDONED UST

FIGURE #2

UST REMOVAL SAMPLE AND SITE INVESTIGATION BORING LOCATION MAP

PACIFIC BELL
2388 SECOND ST.
LIVERMORE, CALIFORNIA
PREPARED FOR
PACIFIC BELL
SAN RAMON, CALIFORNIA





760397-A5
 DRAWING NUMBER
 8/15/95
 8/15/95
 CHECKED BY [Signature]
 APPROVED BY [Signature]
 T.R.S.
 8/14/95
 DRAWN BY

LEGEND

⊙ SOIL SAMPLE LOCATION 7/26/95

ppm PARTS PER MILLION

ND NONE DETECTED ABOVE METHOD DETECTION LIMIT

BTEX BENZENE, TOLUENE, ETHYLBENZENE, XYLENES

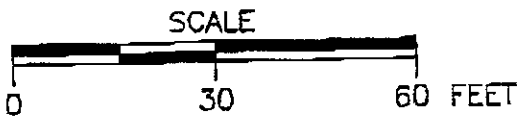


FIGURE 3
 SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS IN ppm
 PACIFIC BELL
 2388 SECOND ST.
 LIVERMORE, CALIFORNIA
 PREPARED FOR
 PACIFIC BELL
 SAN JOSE, CALIFORNIA



TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS (in ppm)
PACIFIC BELL LIVERMORE FACILITY
IT Project 760397.03

| Sample ID | Sample Location | Sample Date | Sample Depth (ft) | TPH (K) | TPH (D) | Benzene | Toluene | Ethyl Benzene | Xylenes |
|-----------|--|-------------|-------------------|------------------------|---------|---------------------|-----------------------|-----------------------|----------------------|
| EX-1 | southwest end 5,000 gal tank pit | 11/2/93 | 11 | 1,700* ₅₀ | NA | ND _{0.025} | 0.58 _{0.025} | 0.97 _{0.025} | 3.1 _{0.025} |
| EX-2 | northeast end 5,000 gal tank pit | 11/2/93 | 11 | ND* _{5.0} | NA | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SUS. T#2 | fill pipe of abandonment 500 gal UST | 11/2/93 | 2 | 2,800* ₅₀ | NA | ND _{0.2} | 0.27 _{0.2} | ND _{0.2} | 1.0 _{0.2} |
| PT#1 | 5,000 gal UST piping trench | 11/2/93 | 2 | 19,000* ₂₀₀ | NA | ND _{2.0} | 15 _{2.0} | 6.1 _{2.0} | 51 _{2.0} |
| PT#2 | 5,000 gal UST piping trench | 11/2/93 | 2 | ND* _{5.0} | NA | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| PT#3 | 5,000 gal UST piping trench | 11/2/93 | 2 | ND* _{5.0} | NA | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| PT#4 | 5,000 gal UST piping trench | 11/2/93 | 2 | ND* _{5.0} | NA | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| PT#5 | 5,000 gal UST piping trench | 11/2/93 | 2 | ND* _{5.0} | NA | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS (in ppm)
PACIFIC BELL LIVERMORE FACILITY
IT Project 760397.03
(Continued)

| Sample ID | Sample Location | Sample Date | Sample Depth (ft) | TPH (K) | TPH (D) | Benzene | Toluene | Ethyl Benzene | Xylenes |
|-----------|-----------------------------|-------------|-------------------|-------------------|-------------------|------------------------|------------------------|------------------------|------------------------|
| SS-1 | 500 gal tank vault east end | 10/21/94 | 11 | 53 _{1.0} | 52 _{1.0} | 0.49 _{0.005} | 11 _{0.005} | 2.6 _{0.005} | 8.1 _{0.005} |
| SS-2 | 500 gal tank vault west end | 10/21/94 | 11 | 11 _{1.0} | 12 _{1.0} | 0.007 _{0.005} | 0.068 _{0.005} | 0.023 _{0.005} | 0.087 _{0.005} |
| SB1-5 | soil boring SB-1 | 4/4/95 | 5 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB1-10 | soil boring SB-1 | 4/4/95 | 10 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB1-15 | soil boring SB-1 | 4/4/95 | 15 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB1-20 | soil boring SB-1 | 4/4/95 | 20 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB2-5 | soil boring SB-2 | 4/4/95 | 5 | ND _{5.0} | 49 _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB2-10 | soil boring SB-2 | 4/4/95 | 10 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB2-15 | soil boring SB-2 | 4/4/95 | 15 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB2-20 | soil boring SB-2 | 4/4/95 | 20 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB3-5 | soil boring SB-3 | 4/4/95 | 5 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB3-10 | soil boring SB-3 | 4/4/95 | 10 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB3-15 | soil boring SB-3 | 4/4/95 | 15 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS (in ppm)
PACIFIC BELL LIVERMORE FACILITY
IT Project 760397.03
(Continued)

| Sample ID | Sample Location | Sample Date | Sample Depth (ft) | TPH (K) | TPH (D) | Benzene | Toluene | Ethyl Benzene | Xylenes |
|-----------|------------------|-------------|-------------------|-------------------|-------------------|---------------------|---------------------|---------------------|---------------------|
| SB3-20 | soil boring SB-3 | 4/4/95 | 20 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB4-5 | soil boring SB-4 | 4/4/95 | 5 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB4-10 | soil boring SB-4 | 4/4/95 | 10 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB4-15 | soil boring SB-4 | 4/4/95 | 15 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB4-20 | soil boring SB-4 | 4/4/95 | 20 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB5-5 | soil boring SB-5 | 4/4/95 | 5 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB5-10 | soil boring SB-5 | 4/4/95 | 10 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB5-15 | soil boring SB-5 | 4/4/95 | 15 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB5-20 | soil boring SB-5 | 4/4/95 | 20 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB6-5 | soil boring SB-6 | 4/4/95 | 5 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB6-10 | soil boring SB-6 | 4/4/95 | 10 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB6-15 | soil boring SB-6 | 4/4/95 | 15 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB6-20 | soil boring SB-6 | 4/4/95 | 20 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB7-5 | soil boring SB-7 | 4/4/95 | 5 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS (in ppm)
PACIFIC BELL LIVERMORE FACILITY
IT Project 760397.03
(Continued)

| Sample ID | Sample Location | Sample Date | Sample Depth (ft) | TPH (K) | TPH (D) | Benzene | Toluene | Ethyl Benzene | Xylenes |
|-----------|------------------|-------------|-------------------|-------------------|-------------------|---------------------|---------------------|---------------------|---------------------|
| SB7-10 | soil boring SB-7 | 4/4/95 | 10 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB7-15 | soil boring SB-7 | 4/4/95 | 15 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |
| SB7-20 | soil boring SB-7 | 4/4/95 | 20 | ND _{1.0} | ND _{1.0} | ND _{0.005} | ND _{0.005} | ND _{0.005} | ND _{0.005} |