ALIH CARE SERVICES

i AGENCY DAVID J. KEARS, Agency Director



R0#832

ENVIRONMENTAL HEALTH SERVICES

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

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 4871 - 1519 Franklin Street, Oakland, CA
(1-2K and 1-1K gallons tanks removed on June 3, 1994)

October 7, 1998

Mr. John Carrillo Pacific Bell 1587 Franklin Street, Room 1500 Oakland, CA 94612

Dear Mr. Carrillo:

This letter confirms the completion of 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 tanks 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, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Section 2721(e) of the California Code of Regulations.

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

Sincerely,

Mee Ling Tung, Director

cc: Richard Pantages, Chief of Division of Environmental Protection Chuck Headlee, RWQCB Dave Deaner, SWRCB Leroy Griffin, OFD files-ec (pacbell-3)

HEALTH CARE SERVICES

AGENCY



DAVID J. KEARS, Agency Director

RO#832

ENVIRONMENTAL HEALTH SERVICES

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

StID 4871

October 7, 1998

Mr. John Carrillo Pacific Bell 1587 Franklin Street, Room 1500 Oakland, CA 94612

Re: Fuel Leak Site Case Closure 1519 Franklin St, Oakland, CA

Dear Mr. Carrillo:

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 Protection Division 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:

- up to 8,900ppm TPH as diesel exists in soil beneath the site;
- up to 8,800ppb TPH as diesel and 0.94ppb benzene exists in groundwater beneath the site; and,
- a site safety plan must be prepared for construction workers in the event excavation/trenching is proposed in the vicinity of residual soil and groundwater contamination.

If you have any questions, please contact me at (510) 567-6762.

eva chu

Hazardous Materials Specialist

enlosures: 1. Case Closure Letter

2. Case Closure Summary

c: Frank Kliewer, City of Oakland-Planning, 1330 Broadway, 2nd Fl, Oakland, CA 94612 files (pachell-4)

CASE CLOSURE SUMMARY Leaking Underground Fuel Storage Tank Program

OCT 07 1998

Director of Environmental Health

1. **AGENCY INFORMATION** Date: May 11, 1998

Agency name: Alameda County-HazMat

Address: 1131 Harbor Bay Pkwy

City/State/Zip: Alameda, CA 94502

Phone: (510) 567-6700

Responsible staff person: M. Logan

Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Pacific Bell

Site facility address: 1519 Franklin Street, Oakland, CA 94612

RB LUSTIS Case No: N/A

Local Case No./LOP Case No.: 4871

URF filing date:

6/23/94

SWEEPS No: N/A

Responsible Parties:

Addresses:

Phone Numbers:

John Carrillo Pacific Bell

1587 Franklin St. Room 1500

Oakland, CA 94612

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	<u>Date:</u>
1	2,000	Fuel Oil/Diesel	Removed	6/3/94
2	1,000	Diesel	Removed	6/3/94

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown Site characterization complete? YES Date approved by oversight agency:

Monitoring Wells installed? Number: 1 Proper screened interval? Yes, ~15' to 35' bgs

Highest GW depth below ground surface: 20.95 Lowest depth: 25.70' in MW-1

Flow direction: Fluctuates, see attached gradient maps

Most sensitive current use: commercial

Are drinking water wells affected? No Aquifer name: Unknown 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 and Oakland Fire Dept 1605 MLK Jr Dr Oakland, CA 94612

Alameda, CA 94502

4

Treatment and Disposal of Affected Material:

<u>Material</u>	Amount (include units)	Action (Treatment or Disposal w/destination)	<u>Date</u>
Tank	2 USTs	Scrapped at LMC Metals, in Richmond	12/94
Soil	42 cy	Disposed at Remco, in Richmond	
Groundwater	4,300 gal. &	Recycled at Petroleum Recycling Corp,	12/94
	9,000 gal.	in Patterson	3/95

Maximum Documented (Before and After C	leanup
Contaminant	Soil (p	pm)	Water (Before ³ 60,000 5.8 6.5 1 11.0	r (ppb)
	Before ¹	After ²	Before ³	<u>After⁴</u>
TPH (Diesel)	5,600	8,900	60,000	8,800
Benzene	ND	ND	5.8	0.94
Toluene	ND	ND	6.5	0.92
Ethylbenzene	1.5	1.1	11.0	2.0
Xylenes	3.1	1.2	9.8	3.0
Oil & Grease (ppm)	31	17	2,800	11
Other PNAs	NA	NA	NA	see Note 5

NOTE: 1	soil sample collected	from boreholes	drilled w/in 2K l	JST vault, 6,94
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- 2 soil sample collected after overexcavation, 11/94
- 3 grab groundwater samples collected from borings advanced w/in 2K UST vault, 6/94
- 4 most recent sampling event, 9/97
- 5 23 ppb naphthalene, 32 ppb 2-Methylnaphthalene

IV. CLOSURE

List enforcement actions rescinded: NA

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? YES
Site management requirements: A site safety plan must be prepared for construction workers in the
event excavation/trenching is proposed in the vicinity of residual soil and groundwater contamination.
Should corrective action be reviewed if land use changes? YES
Monitoring wells Decommissioned: None, pending site closure
Number Decommissioned: 0 Number Retained: 1
List enforcement actions taken: None

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu

Title: Haz Mat Specialist

Signature: Qu

Date: 5/15/98

Reviewed by

Name: Madhulla Logan

Title: Haz Mat Specialist

Signature: Machullu Loga

Date: 5/4/98

Name: Thomas Peacock

Title: Supervisor

Signature: Myren Louveh

Date: 5-12-98

VI. RWQCB NOTIFICATION

Date Submitted to RB: 5/13/9%

RB Response:

RWQCB Staff Name: Chuck Headjee

Title: **▲EG**

Signature: CQ ...

Date: 5/29/98

VII. ADDITIONAL COMMENTS, DATA, ETC.

The site contained 2 USTs formerly containing diesel fuel. Each tank was individually contained in a subgrade concrete vault. Both tanks had been abandoned-in-place. The 1,000 gallon UST was filled with sand, and the 2K UST was earth-filled. Both USTs were removed in 1994.

When the 1K UST was removed, soil samples collected from the fill material did not reveal detectable concentrations of petroleum hydrocarbons. This vault was subsequently backfilled with clean material. No further action was required for this tank excavation.

Analysis of soil samples collected from the fill material in the 2K UST vault revealed petroleum hydrocarbons ranging from 15,000 ppm to 19,000 ppm TPHd. Upon removal of the vault fill materials, an opening in the vault floor was discovered (measuring ~12' long x 2' wide). Two soil borings (SB north and SB south) were drilled through the opening in the vault floor to groundwater. Soil samples (SS-N-22, SS-S-22, SS-N-25, and SS-S-25) collected contained petroleum hydrocarbons ranging from 1,800 ppm to 5,600 ppm diesel. Groundwater contained TPHd ranging from 5,500 ppb to 60,000 ppb. A free phase layer was noted floating on the water table. (See Figs 1, 2, and Tables 1 and 3)

Soil overexcavation was performed. This was accomplished by drilling a series of overlapping boreholes (each "2'wide) using a hollow stem auger drilling rig. As each borehole was completed, the void was filled with a clean cement grout. Approximately 42 cy of soil was removed. Confirmatory soil samples (PBF-1 through PBF-6) were collected from the sidewalls and floor of select boreholes before they were grouted. (See Figs 3 and 4)

A series of 5 temporary extraction wells were also emplaced in five select boreholes at the time of soil overexcavation (see Fig 5). Interim groundwater extraction removed ~4,300 gallons of groundwater. Analysis of groundwater samples collected following each day of groundwater extraction revealed detectable hydrocarbon concentrations. Hydrocarbon concentration, however, showed a significant decrease after each day of groundwater extraction. A second phase of groundwater extraction was conducted in February to March 1995, removing an additional 9,000 gallons of groundwater. Final groundwater analysis identified 1,700 ppb diesel and ND levels of oil and grease. (See Table 2)

In September 1995 installation of three groundwater monitoring wells was attempted. It was only possible to install one well (MW-1), which was adjacent to, and south of the former UST. Groundwater from wells MW-1 and extraction wells E-2, E-3, and E-5 has been sampled regularly. Detectable petroleum hydrocarbons (TPH as diesel and oil and grease) have been continuously encountered, however, none of the chemicals of concern, such as benzo(a)pyrene, naphthalene, or BTEX, have been present in excess of drinking water MCLs or risk based corrective action screening levels. (See fig 6, Table 3)

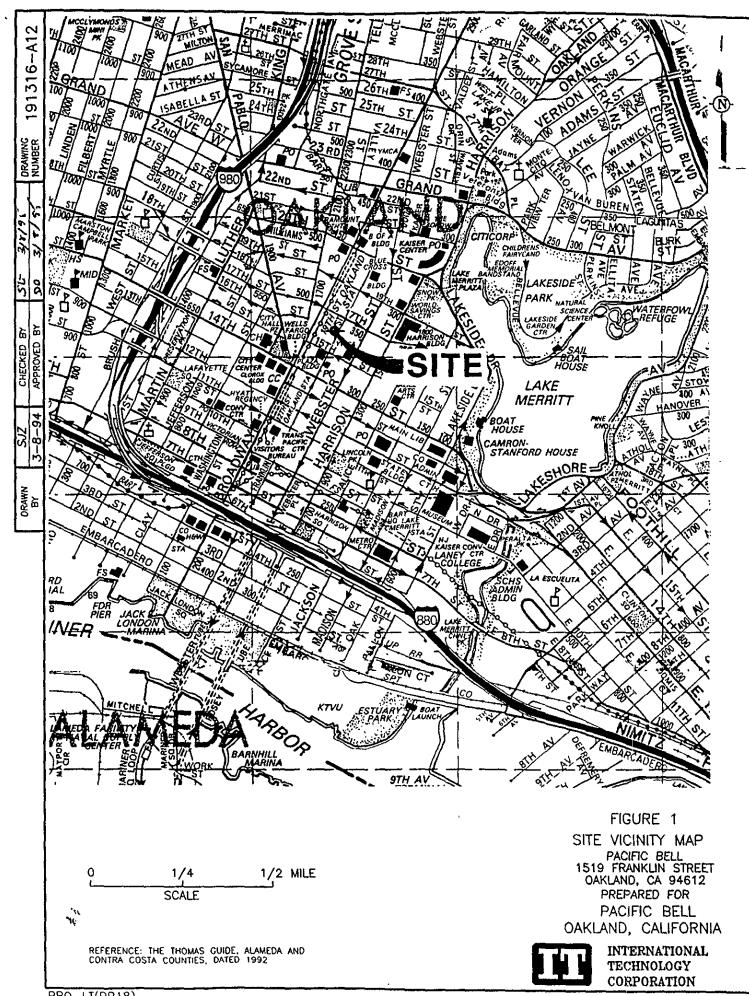
It appears source removal, along with groundwater extraction, removed most of the contaminants and has limited its migration in groundwater. Residual petroleum hydrocarbons will likely decrease by natural attenuation. Continued monitoring is not warranted.

In summary, case closure is recommended because:

- o the leak and ongoing sources have been removed;
- o the site has been adequately characterized;
- o the dissolved plume is not migrating;
- o no water wells, surface water, or other sensitive receptors are likely to be impacted; and,
- o the site presents no significant risk to human health or the environment.

pacbell-1

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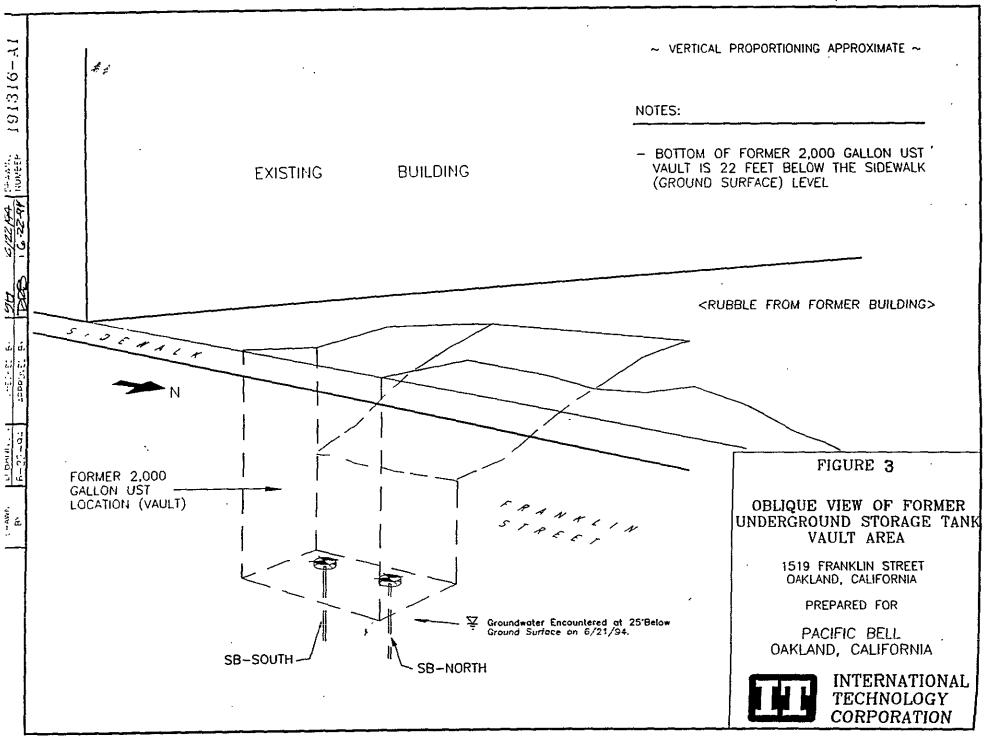


TABLE 2 SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS IN PPM **PACIFIC BELL - FRANKLIN STREET** IT PROJECT NO. 191316

Sample Number	Sample Location	Date Collected	Depth of Sample in Feet	TPH as Diesel	Oil and Grease	Benzene	Toluene	Ethyl Benzene	Xylenes
SS-N-22	soil boring SB-north, north end of hole in tank vault floor	06/20/94	22,0	5,600	20,000	ND	ND	1.0	2.7
SS-S-22	soit boring SB-south, south end of hole in tank vault floor	06/20/94	22.0	1,800	10,000	ND	ND	0.87	2.0
SS-N-25	soil boring SB-north, north end of hole in tank vault floor	06/20/94	25.0	5,600	31,000	ND	ND	1.5	3.1
SS-S-25	soil boring SB-south, south end of hole in tank vault floor	06/24/94	25.0	3,700	21,000	ND	ND	0.86	1.9
PBF-1	west side wall of excavation below vault	11/29/94	25.0	5,700	9,900	ND	ND	0.58	0.69
PBF-2	east side wall of excavation below vault	11/29/94	25.0	16	ND	ND	ND	ND	ND
PBF-3	south side wall of excavation below vault	11/30/94	25.0	2.2	ND	ND	ND	ND	ND
P8F-4	northwest side wall of excavation below vault	11/30/94	25.0	8,900	17,000	ND	ND	1.1	1.2
PBF-5	center floor of excavation below vault	12/01/94	26.0	4,900	7,200	ND	ND	0.25	0.35
PBF-6	northeast side wall of excavation below vault	12/01/94	25.0	ND	ND	ND	ND	ND	ND
MW1-5	monitoring well MW-1	09/28/95	.50	ND	ND	ND	ND	ND	ND
MW1-10	monitoring well MW-1	09/28/95	10.0	ND	ND	ND	ND	ND	ND
MW1-15	monitoring well MW-1	09/28/95	15.0	ND	ND	ND	ND	ND	ND
MW1-20	monitoring well MW-1	09/28/95	20.0	ND	ND	ND	ND	ND	ND
MW1-25	monitoring well MW-1	09/28/95	25.0	ND	מא	ND	ND	ND	ND

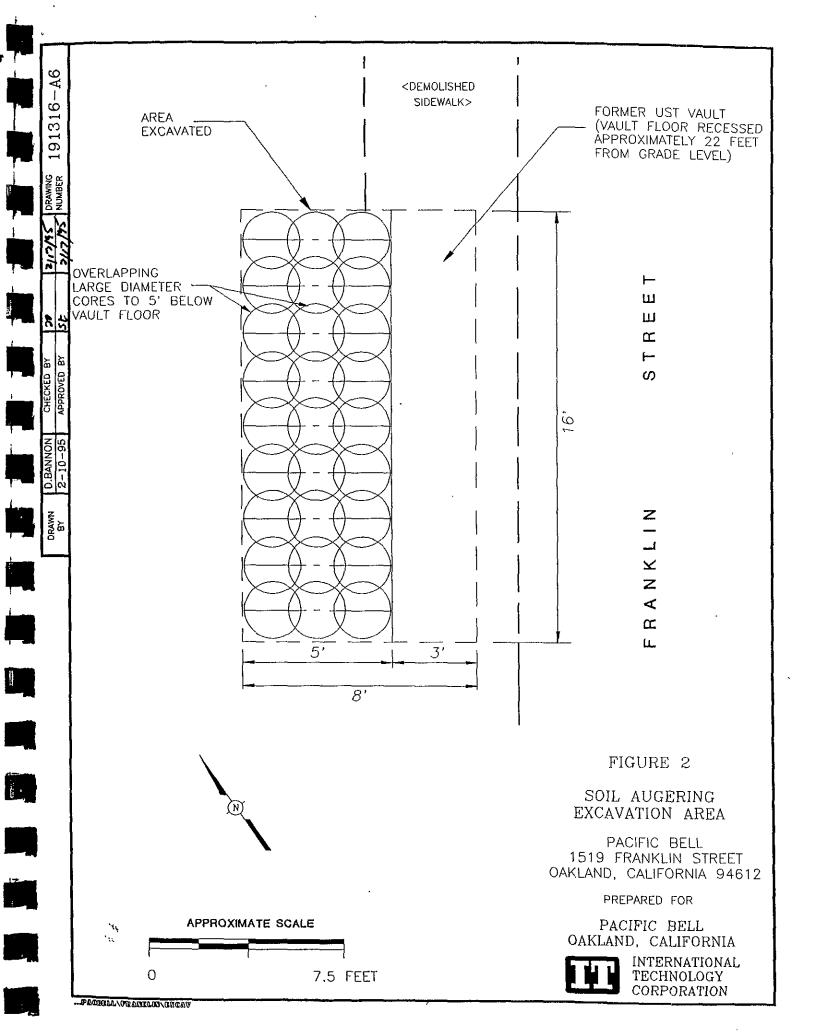
Notes:

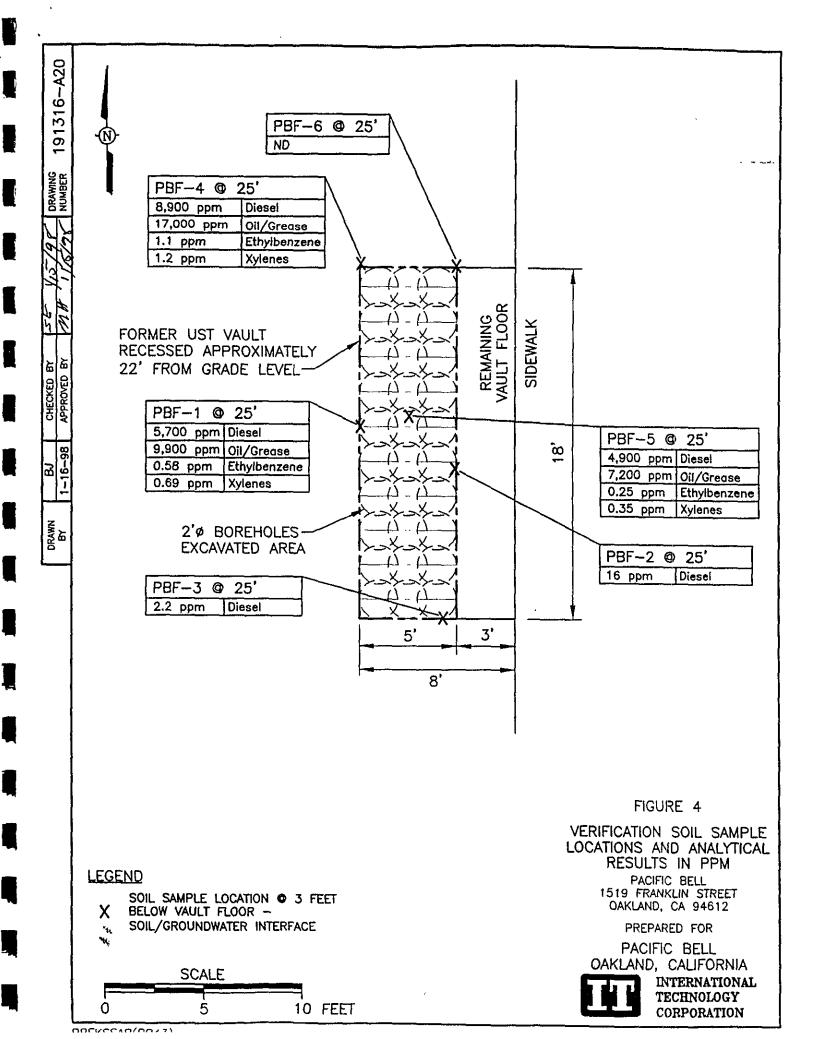
ppm

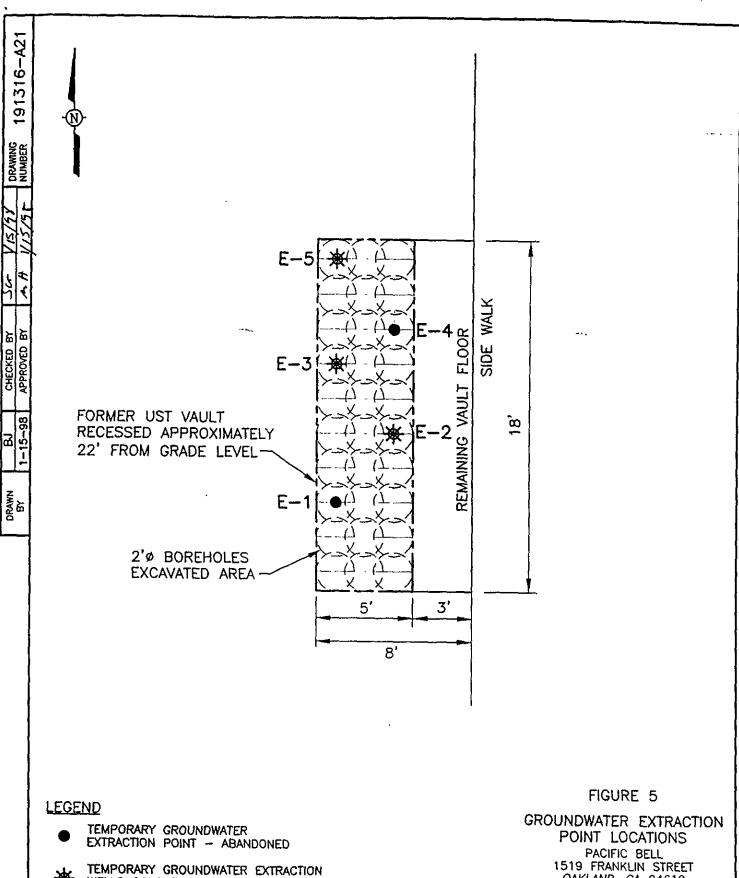
st

TPH

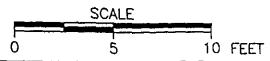
 parts per million
 total petroleum hydrocarbons
 target analyte not detected above method detection limit ND











OAKLAND, CA 94612

PREPARED FOR

PACIFIC BELL OAKLAND, CALIFORNIA



INTERNATIONAL TECHNOLOGY CORPORATION

DDEVOCOL (DD 4.7)

TABLE 2

Groundwater Extraction Well Sample Analytical Results in ppb

Pacific Bell IT Project No. 191316

Sample Number	Sample Location	Collection Date	TPH Diesel	Oil and Grease	Benzene	Toluene	Ethyl Benzene	Xylenes
120594E3	E-3	12/05/94	5,800 ₅₀	88,000 _{s,000}	1.505	36 _{0,5}	15 _{0.5}	1605
120694E3	E-3	12/06/94	3,700 ₅₀	21,000 _{5,000}	0.510.5	1.40.5	4.005	5.005
120794E3	E-3	12/07/94	2,700 ₅₀	11,000 _{5,000}	ND _{0.5}	1.3 _{0.5}	3.8 _{0.5}	4.4 _{5.5}
120894E3	E-3	12/08/94	2,400 ₅₀	13,000 _{5,000}	ND _{0.5}	1.4 _{0.5}	4.0 _{0.5}	5.3 _{0.5}
120994E3	E-3	12/09/94	2,40050	13,000 _{5,000}	ND _{0.5}	0.81 _{0.5}	3.1 _{0.5}	3.6 _{0.5}
121594E3	E-3	12/15/94	2,300 ₅₀	6,800 _{5,000}	ND _{0.5}	1.105	3.5 _{0.5}	4.4 _{0.5}
121694E3	E-3	12/16/94	1,700 ₅₀	9,500 _{5,000}	ND _{0.5}	0.84 _{0.5}	3.2 _{0,5}	5.0 _{0.5}

Notes:

#

TPH = total petroleum hydrocarbons

ppb = parts per billion

ND_x = none detected above "x" method detection limit

 $5,000_x = \text{concentration detected at "x" method detection limit}$

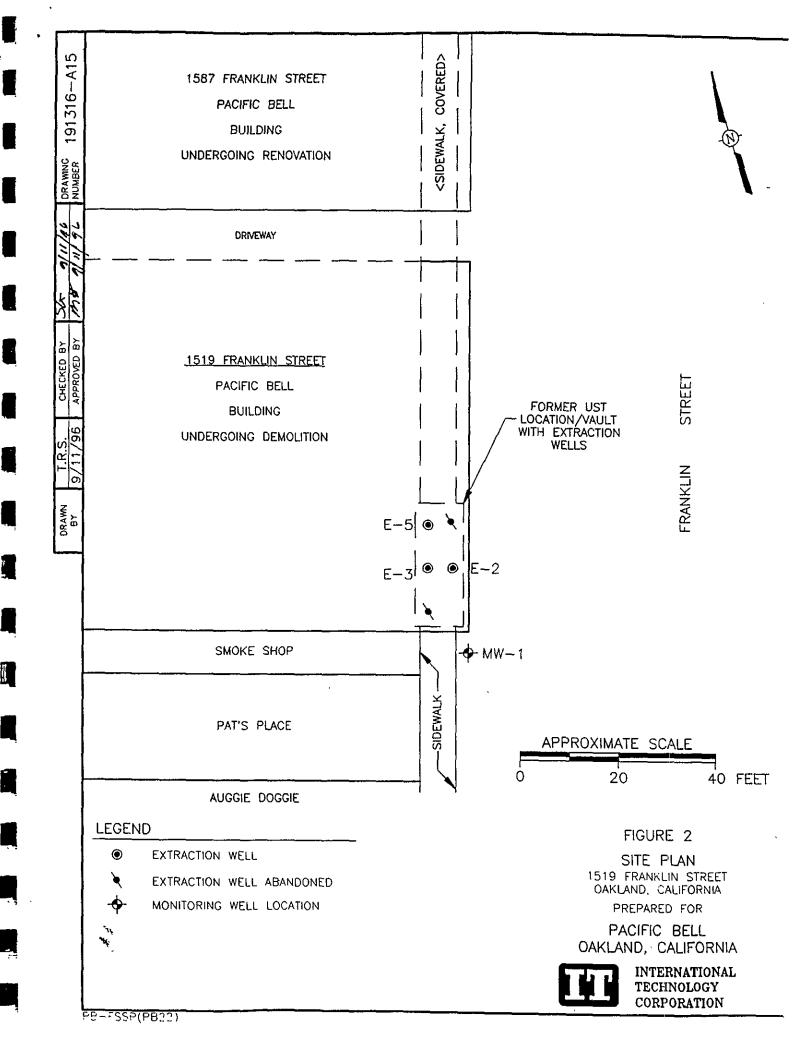


TABLE 3 SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS IN PPB PACIFIC BELL - FRANKLIN STREET IT PROJECT NO. 191316

Sample Number	Sample Location	Collection Date	TPH Diesel	Oil and Grease	PNA	Benzene	Toluene	Ethyl Benzene	Xylenes
062094SBN	boring SB-North	06/20/94	60,000	2,800,000	NA	3.8	6.5	11.0	9.8
062094SBS	boring SB-south	06/20/94	5,500	1,900,000	NA	5.8	5.8	9.5	ND
052196E2	E-2	05/21/96	3,600	ND	NA	ND	ND	ND	ND
E-2(8-96)	E-2	08/28/96	5,700	12,000	NA	ND	ND	ND	0.84
121196E2	E-2	12/11/96	3,600	ND	NA	ND	ND	ND ·	ND
NS	E-2	03/19/97	NS	NS	NS	NS	NS	NS	NS
NS	E-2	06/26/97	NS	NS	NS	NS	NS	NS	NS
NS	E-2	09/24/97	NS	NS	NS	NS	NS	NS	NS
120594E3	E-3	12/05/94	5,800	88,000	NA	1.5	36	15	16
120694E3	E-3	12/06/94	3,700	21,000	NA	0.51	1.4	4.0	5.0
120794E3	E-3	12/07/94	2,700	11,000	NA	ND	1.3	3.8	4.4
120894E3	E-3	12/08/94	2,400	13,000	NA	ND	1.4	4.0	5.3
120994E3	E-3	12/09/94	2,400	13,000	NA	ND	0.81	3.1	3.6
121594E3	E-3	12/15/94	2,300	6,800	NA	ND	1.1	3.5	4.4
121694E3	E-3	12/16/94	1,700	9,500	NA	ND	0,84	3.2	5.0
022795E3	E-3	02/27/95	2,200	6,500	NA	0.66	0.81	2.2	3.4
022895E3	E-3	02/28/95	2,300	6,800	NA	0.94	0.92	2.0	3.0

TABLE 3 (continued)

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS IN PPB PACIFIC BELL FRANKLIN STREET IT PROJECT NO. 191316

Sample Number	Sample Location	Collection Date	TPH Diesel	Oil and Grease	PNA	Benzene	Toluene	Ethyl Benzene	Xylenes
030195E3	E-3	03/01/95	2,400	5,800	NA	ND	ND	4.0	2.7
030295E3	E-3	03/02/95	1,700	ND	NA	0.54	0.68	1.8	2.7
030395E3	E-3	03/03/95	2,500	16,000	NA	ND	ND	1.6	2.1
101695EW3	E-3	10/16/95	4,000	ND	NA	0.78	0.56	1.1	1.6
022196E3	E-3	02/21/96	8,100	ND	, NA	0.78	ND	0.84	ND
052196E3	E-3	05/21/96	8,900	ND	NA	0.79	ND	0.84	1.2
E-3(8-96)	E-3	08/28/96	6,100	7,400	NA	0.63	0.55	1.2	2.4
121196E3	E-3	12/11/96	4,900	ND	NA	0.63	ND	1.2	1.5
NS	E-3	03/19/97	NS	NS	NS	NS	NS	NS	NS
062697E3	E-3	06/19/97	6,200	ND	ND	ND	ND	ND	1.0
092497E3	E-3	09/24/97	8,800	11,000	ND	ND	ND	ND	0.88
052196E5	E-5	05/21/96	5,600	8,600	NA	ND	ND	2.2	3.2
E-5(8-96)	E-5	08/28/96	6,100	6,900	NA	ND	ND	1.4	1.3
121196E5	E-5	12/11/96	6,700	ND	23 NAP 32 2MN	ND	ND	1.3	1.2
NS	E-5	03/19/97	NS	NS	NS	NS	NS	NS	NS
NS	E-5	06/26/97	NS	NS	NS	NS	NS	NS	NS

;

TABLE 3 (continued)

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS IN PPB PACIFIC BELL FRANKLIN STREET IT PROJECT NO. 191316

Sample Number	Sample Location	Collection Date	TPH Diesel	Oil and Grease	PNA	Benzene	Toluene	Ethyl Benzene	Xylenes
NS	E-5	09/24/97	NS	NS	NS	NS	NS	NS	NS
101695MW1	MW-1	10/16/95	130	ND	NA	ND	0.91	ND	ND
022196MW1	MW-1	02/21/96	ND	ND	NA	ND	ND	ND	ND
052196MW1	MW-I	05/21/96	120	ND	NA	ND	2.4	ND_	ND
MW-1(8-96)	MW-1	08/28/96	ND	ND	NA	ND	ND	ND	ND
121196MW1	MW-1	12/11/96	ND	ND	NA	ND	ND	ND	ND
031997MW1	MW-I	03/19/97	ND	ND	NA*	ND	ND	ND	ND
062697MW1	MW-1	06/26/97	ND	ND	NA*	ND	ND	ND	ND
092497MW1	MW-1	09/24/97	120	ND ·	ND	ND	ND	ND	ND

Notes:

TPH = total petroleum hydrocarbons

ppb = parts per billion

NAP = Napthalene

NA = Not Analyzed

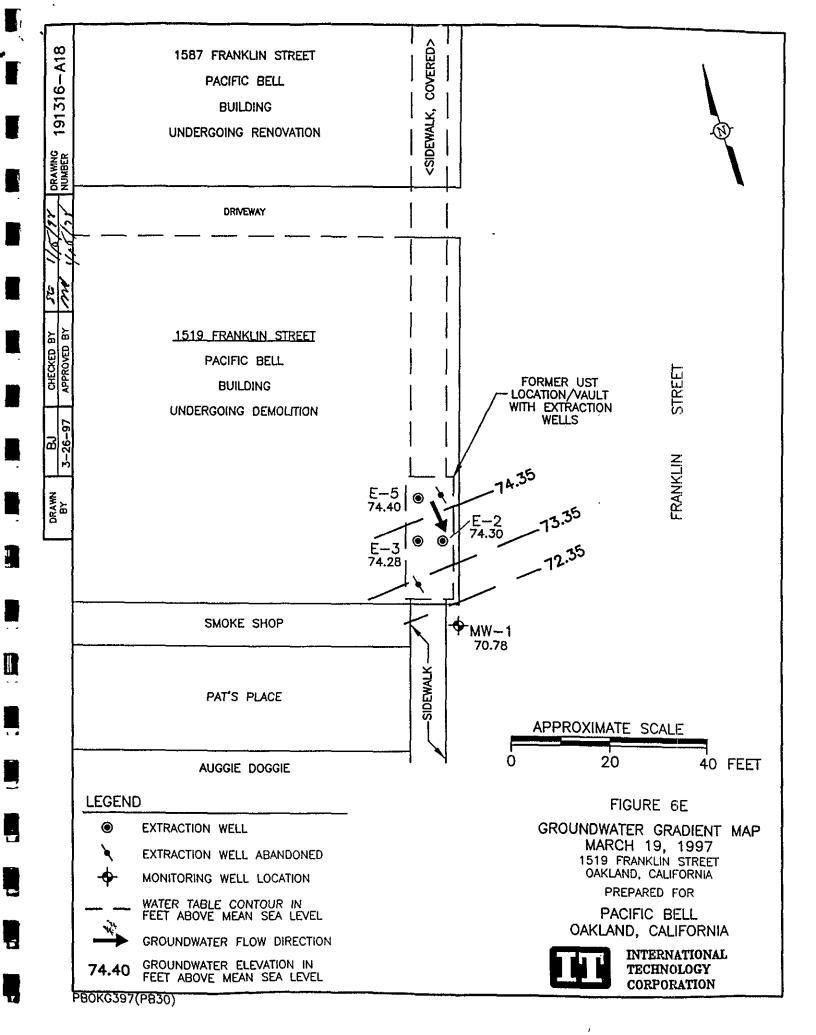
NA* = This sample was not analyzed for PNA

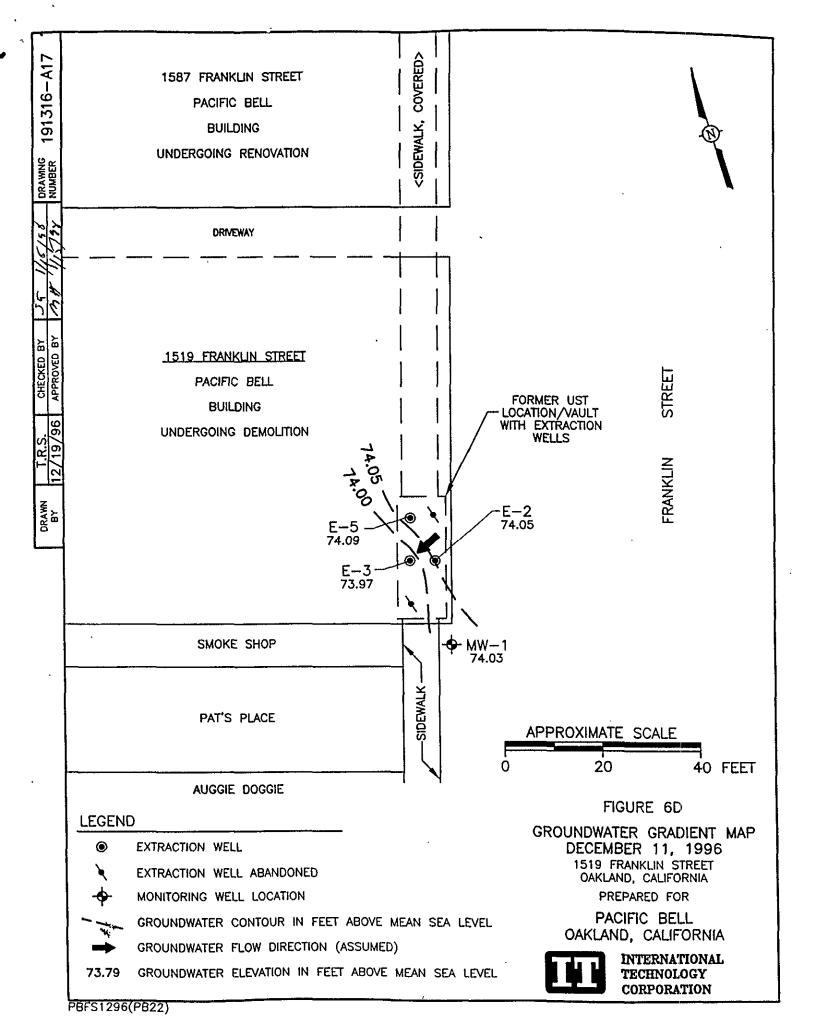
concentrations as no detectable TPH as diesel

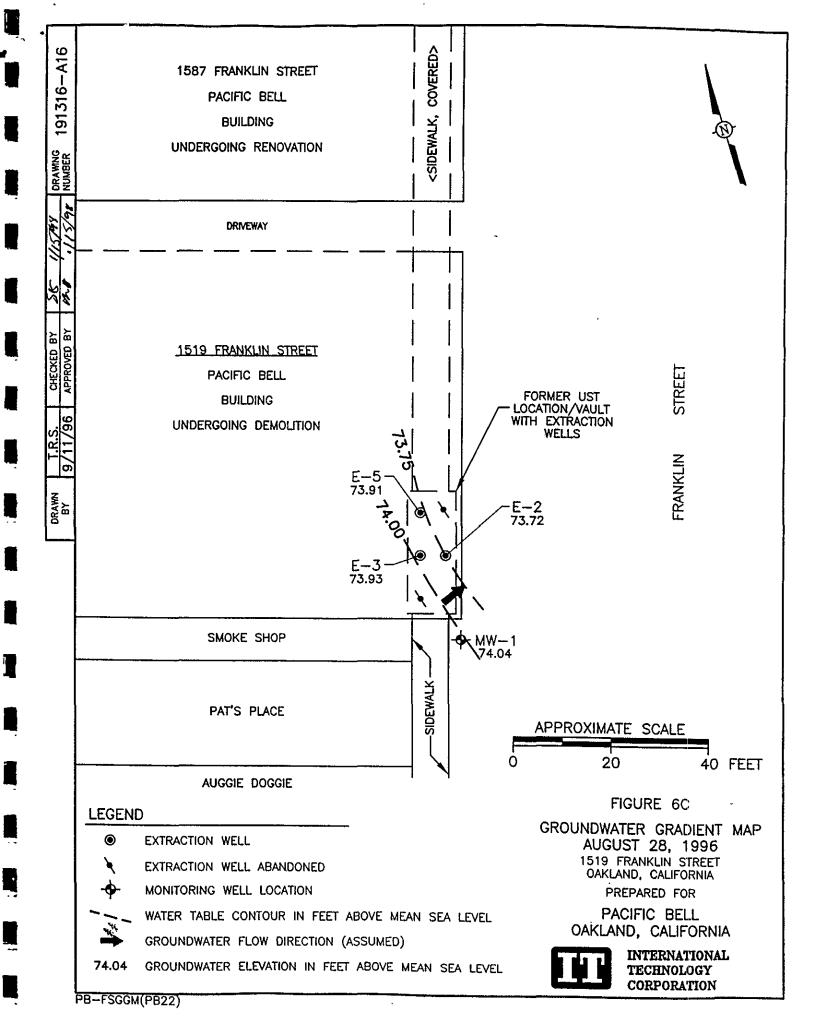
was encountered upon analysis

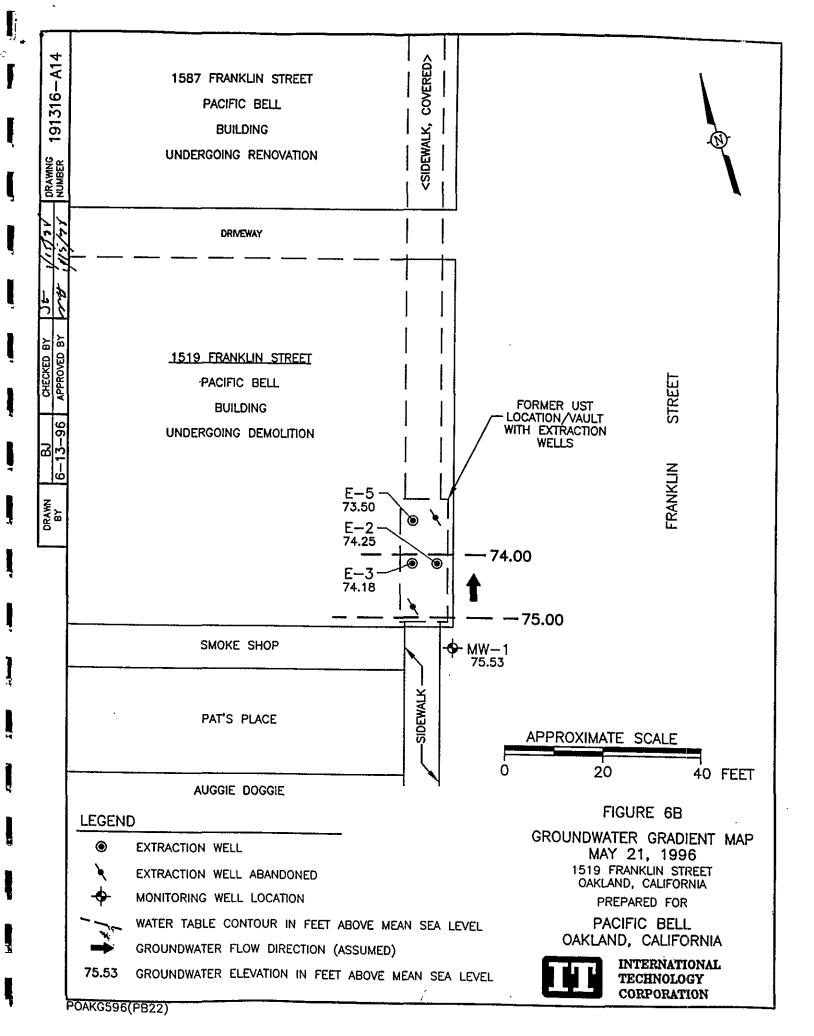
ND = none detected above method detection limit PNA = Poly Nuclear Aromatic compounds 2MN = 2 - Methylnapthalene NS = no sample collected

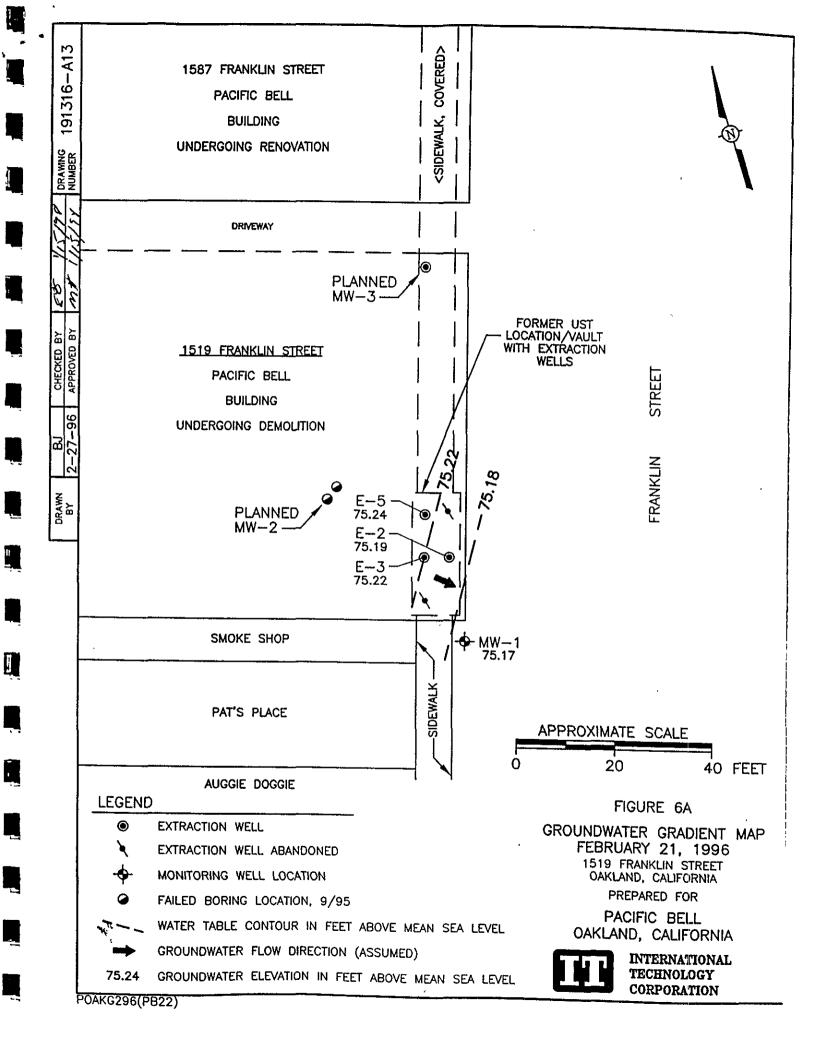
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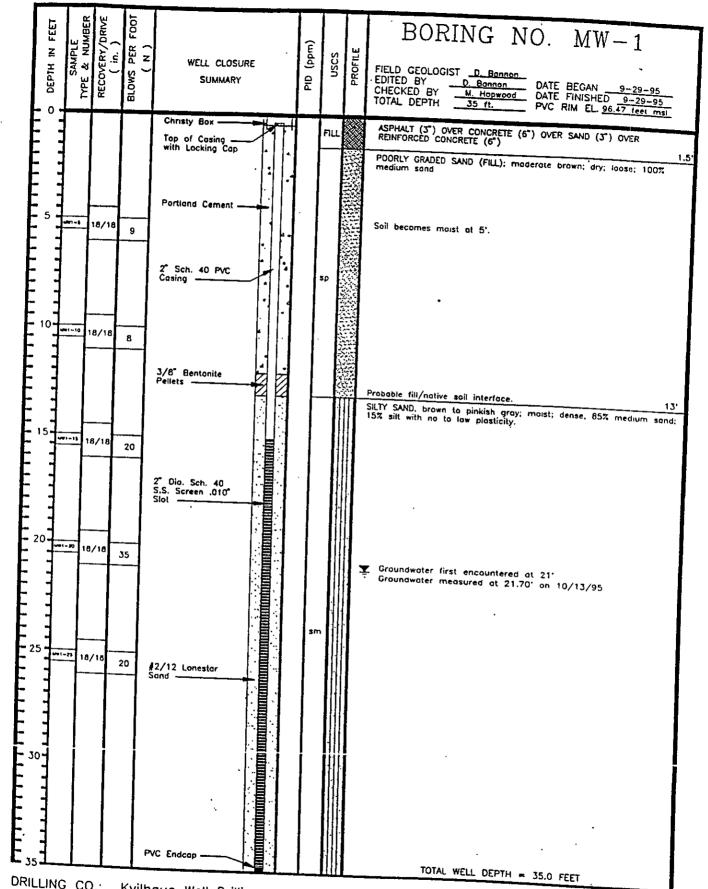












DRILLING CO .: Kvilhaug Well Drilling DRILLER:

Rod Furlow

DRILL METHOD: 8 in. O.D. Hollow Stem Auger, B-57 Rig

SAMPLING METHOD: 18 in. California Modified Split Spoon Sampler PROJECT NO.: 191316

CLIENT: Pacific Bell

LOCATION: 1519 Franklin Street, Oakland, California



INTERNATIONAL TECHNOLOGY CORPORATION

PAGE 1 OF 1