my copy
STID 402

93 OCT 29 AM 11:39

Chevron

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing Department
Phone 510 842 9500

October 27, 1993

Ms. Susan Hugo
Alameda County Health Care Services
80 Swan Way, Room 200
Oakland, CA 94621

Re: Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue, Oakland, California

Dear Ms. Hugo :

The results of our off-site investigation shows dissolved gasoline in off-site monitoring wells MW-3, MW-4, and MW-5. Monitoring well MW-3 is located near the Pacific Gas & Electric substation. Well MW-4 is located in front of the former Shell service station, and well MW-5 is located in front of a movie theater. Based on the direction of groundwater, it appears that contaminated groundwater near the former Shell service station has migrated to Chevron's former site which may explain why Chevron up-gradient well C-1 is impacted. Soil samples obtained from the borings of these wells were below the detection limit for total petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene, and xylenes with the exception of sample B-3 at 16.5 feet. Sample B-3 at 16.5 feet was either below the water table or in the capillary fringe and does not indicate a soil problem.

From RESNA's off-site source investigation, there are several permitted tanks at the PG&E substation facility. Depending on the location, it may explain the levels in MW-3.

The last cover letter was incorrectly coded as LKAN/MacFile 9-3864R17. It should be LKAN/MacFile 9-3864R18.

Enclosed is RESNA's report on the additional subsurface investigation. Please refer to the report for additional information. If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Kan
Site Assessment and Remediation Engineer

LKAN/MacFile 9-3864R19

Enclosure

cc: Mr. Richard Hiett
RWQCB-San Francisco Bay Area
2101 Webster Street, Suite 500
Oakland, CA 94612

Dr. Ravi Arulananthum
Alameda County Health Care Services
80 Swan Way, Room 200
Oakland, CA 94621

Mr. Timothy S. Williams
Wendel, Rosen, Black, Dean, & Levitan
1221 Broadway, Suite 2000
P.O. Box 2047
Oakland, CA 94604-2047

Mr. Paul Eveloff
Wood Island, Suite 3A
80 E. Sir Francis Drake Blvd.
Larkspur, CA 94939

Mr. Jim Gribi
Century West Engineering
7950 Dublin Blvd., Suite 210
Dublin, CA 94568

Ms. Bette Owen
Chevron U.S.A. Products Co.

RESNA
Working to Restore Nature

73 Digital Drive
Novato, CA 94949
Phone: (415) 382-7400
Fax: (415) 382-7415

REPORT
ADDITIONAL SUBSURFACE INVESTIGATION

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

Prepared for:

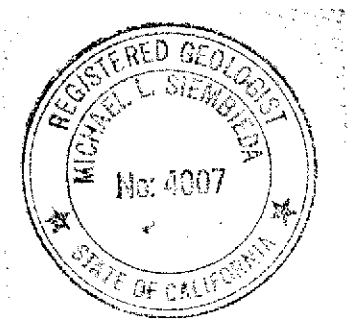
Mr. Kenneth Kan
Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, California 94583-0804

Prepared by:

RESNA Industries Inc.
73 Digital Drive
Novato, California 94949

Erich A. Neupert
Staff Geologist

Michael L. Siembieda R. G. 4007
Geoscience Manager



October 18, 1993

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RESNA
Working to Restore Nature

73 Digital Drive
Novato, CA 94949
Phone: (415) 382-7400
Fax: (415) 382-7415

ADDITIONAL SUBSURFACE INVESTIGATION
at
Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

for

Chevron U.S.A. Products Company

1.0 INTRODUCTION

At the request of Chevron U.S.A. (Chevron), RESNA Industries (RESNA) conducted an additional subsurface investigation in the vicinity of Former Chevron Service Station No. 9-3864, located at 5101 Telegraph Avenue in Oakland, California (Plate 1). The purpose of this investigation was to verify the concentrations of petroleum hydrocarbons in soil and groundwater encountered during a previous investigation (the drilling of offsite soil borings and installation of temporary monitoring wells TC-1 through TC-5). Work included engaging a utility locator prior to drilling at the site; coring concrete encountered beneath asphalt at the selected boring locations; drilling five off-site soil borings (B-1 through B-5); collecting soil samples from the borings; constructing groundwater monitoring wells (MW-1 through MW-5) in the borings; developing, purging and sampling the wells; submitting selected soil and groundwater samples for analysis of petroleum hydrocarbons; performing a survey of water wells in the site vicinity; performing an off-site source investigation; and preparing a report presenting our findings. No additional onsite investigation or evaluation was performed.

2.0 BACKGROUND

2.1 Previous Work

We understand from information provided by Chevron personnel that two 10,000-gallon fuel

underground storage tanks (USTs), one 5,000-gallon fuel UST, and one 1,000-gallon used-oil UST were installed at the site in 1970.

In November and December 1990, GeoStrategies of Hayward, California drilled four soil borings onsite, constructed groundwater monitor wells (C-1 through C-4) in the borings, and sampled the monitoring wells. Groundwater was encountered in the borings at approximately 15 feet below ground surface (bgs), with a hydraulic gradient to the west. Between June 1991 and June 1992, Sierra Environmental Services (SES) performed semi-annual groundwater monitoring and sampling. In September 1991, Chevron removed existing tanks, and overexcavated approximately 600 cubic yards of soil around the tank cavities and product piping trenches. In August 1992 Pacific Environmental Group (PEG) conducted an offsite source investigation which indicated that a former Shell service station on the corner of Claremont and Telegraph Avenues may be contributing petroleum hydrocarbons to groundwater beneath the site. In November 1992, PEG drilled five soil borings located off-site, constructed temporary groundwater monitor wells (TC-1 through TC-5), and collected groundwater samples. Total petroleum hydrocarbons as gasoline (TPHg) were not detected in groundwater samples collected downgradient of the site. Concentrations of TPHg, were detected in groundwater samples collected from temporary wells TC-4 and TC-5, located adjacent to the former Shell service station and on the east side of Telegraph Avenue upgradient of the site, respectively (RESNA, January 20, 1993).

3.0 FIELD INVESTIGATION

3.1 Site-Specific Health and Safety Plan/ Background Review/ Permitting

RESNA prepared a Site-Specific Health and Safety Plan required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The Site-Specific Health and Safety Plan was prepared by RESNA personnel following a review of site conditions with the project manager. The document was reviewed by RESNA project and field personnel, and subcontractor personnel performing work at the site. RESNA conducted the additional investigation in accordance with RESNA Work Plan No. 17075.01W (dated January 20, 1993). Alameda County Zone 7 Water Agency approved monitoring

well permits, and RESNA obtained encroachment permits and a business license from the City of Oakland. Copies of permits obtained during this investigation are included in Appendix A. RESNA's standard methods for conducting field investigations are described in Appendix B.

3.2 Soil Borings and Sampling

On September 15, 16, and 20, 1993, RESNA observed Kvilhaug Drilling of Concord, California, drill five offsite soil borings (B-1 through B-5) using a truck-mounted drill rig equipped with 8.0-inch hollow-stem augers. All boring locations were moved from the originally proposed locations due to proximity to underground or overhead utilities. The location of the borings are shown on the Generalized Site Plan (Plate 2). The soil borings were drilled to depths ranging from 22 to 28 feet below grade. Groundwater monitoring wells (MW-1 through MW-5) were constructed in borings B-1 through B-5. Soil sampling equipment was decontaminated with a solution of phosphate-free soap between sampling to minimize the possibility of cross-contamination. The field geologist logged the earth materials encountered during drilling using the Unified Soil Classification System. The logs of offsite borings B-1 through B-5 are presented in Appendix C. Drill cuttings from the borings were stockpiled onsite on plastic pending characterization and subsequent disposal by Chevron contracted Balch Disposal of Milpitas, California.

During drilling, soil samples were collected at five-foot intervals and at obvious changes in sediment type, where subjective evidence of petroleum hydrocarbons was observed, and from just above first encountered groundwater. Samples were collected using a California-modified split-spoon sampler, lined with cleaned 2-inch diameter 6-inch long brass sample tubes. At each sampling depth the sampler was driven 18 inches ahead of the augers. Soil samples were screened in the field using a photoionization detector (PID). Hydrocarbons concentrations detected in the field using the PID are shown on the boring logs. One sample from every sample interval was sealed with aluminum foil, capped, secured with teflon tape, labeled and placed on ice in an insulated container. Selected samples were delivered under a chain of custody to a California-certified laboratory for analysis.

3.3 Monitoring Well Construction

Monitoring wells MW-1 through MW-5 were constructed of schedule 40, flush-threaded, 2-inch diameter blank casing and well screen with 0.010-inch slots in borings B-1 through B-5. The well screen was installed from the bottom of the borings to 7 feet below grade. A #2/12 sand filter was placed around the well screen to a height of approximately 1 foot above the top of the screen. A hydrated bentonite plug approximately two feet thick was placed above the sand pack and the remaining annular space was filled with a cement/bentonite slurry to grade. The wellhead was protected by a locking cap and a traffic-rated utility box with a water-tight, bolted lid. Well construction details are presented in the logs of borings (Appendix C).

3.4 Monitoring Well Development and Sampling

Monitoring wells MW-1 through MW-5 were developed by surging, and bailing on September 20, 1993. Well development removes fine-grained sediments from the well and sand pack, produces a relatively evenly distributed sand filter pack, and improves well efficiency. Approximately four to ten well volumes were removed from the wells during development. RESNA's technician removed fine-grained sediments from the wells using a bailer until the wells produced water that was relatively sediment free. Development water was transferred to a DOT-approved purge water trailer and transported to Chevron's refinery in Richmond, California for recycling.

On September 21, 1993 RESNA personnel measured the depths-to-water in the wells to the nearest 0.01 foot using an interface probe. The interface probe incorporates an optical sensor and electrical conductivity probe which distinguishes between water and petroleum products. Free phase petroleum hydrocarbons were not detected in the wells by the interface probe. Before collecting groundwater samples from monitoring wells MW-1 through MW-5, RESNA personnel purged approximately three well casing volumes of water from the wells. Following groundwater recovery, groundwater samples were collected using a Teflon bailer cleaned with a solution of Alconox and rinsed with tap water and distilled water. Each sample was acidified, labeled, and placed on ice in an insulated container for delivery under chain-of-custody protocol to a California-certified laboratory selected by Chevron. Purge water generated during development and groundwater sampling was stored in a DOT-approved

purge water trailer and transported to Chevron's refinery in Richmond, California for recycling.

3.5 Water Well Survey/Offsite Source Investigation

A RESNA geologist conducted a survey of water wells within a one mile radius of the site on September 17, 1993 by searching the State of California, Department of Water Resources records of water wells located in the site vicinity. BBL of Solano Beach, California conducted an environmental records search of potential sources located within a one-mile radius of the subject site. The water well survey data and the report of the environmental records search is included in Appendix D.

4.0 SITE CONDITIONS

4.1 Geology and Hydrogeology

Unconsolidated sediments beneath the site consist primarily of clay, silt, and gravel. Descriptions of the materials encountered are shown on the logs of borings. Groundwater was first encountered in silt, and silty-gravel at approximate depths of 12 to 16 feet below grade in offsite borings B-1 through B-5.

4.2 Groundwater Gradient

The top-of-casing elevations and the locations of the newly installed off-site wells and one existing onsite well were surveyed to within 0.01 foot with respect to a known benchmark and mean sea level by Ron Archer Civil Engineering, Inc. of Pleasanton, California, a licensed land surveyor. Well survey data are presented in Appendix E. These data were combined with the depths to groundwater measured in the newly installed wells on September 20 1993, to evaluate the elevation of the groundwater surface in the off-site wells and the groundwater flow direction and hydraulic gradient (Plate 3). Groundwater elevation data for monitoring wells MW-1 through MW-5 are presented in Table 2.

5.0 LABORATORY ANALYSES

Selected soil samples collected from borings B-1 through B-5 were analyzed for total petroleum hydrocarbons as gasoline (TPHg) using Environmental Protection Agency (EPA) Method 8015 (modified for gasoline) and benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8020. Groundwater samples collected from monitoring wells MW-1 through MW-5 were analyzed for TPHg using EPA Method 8015 (modified) and BTEX using method 602. Copies of the Chain of Custody Records and Laboratory Reports are included in Appendix F.

6.0 LABORATORY ANALYTICAL RESULTS

6.1 Soil

Results of soil sample analyses are summarized in Table 1. Residual gasoline hydrocarbons were not detected in soil samples collected from borings B-1, B-2, and B-5. Residual gasoline hydrocarbons were detected in soil samples collected from borings B-3 (at a maximum concentration of 1 ppm) and B-4 (at a maximum concentration of 300 ppm). Both borings B-3 and B-4 are located adjacent to former service station sites.

6.2 Groundwater

Results of groundwater sample analyses are summarized in Table 3. Dissolved gasoline hydrocarbons were not detected in groundwater samples collected from monitoring wells MW-1 and MW-2. Dissolved gasoline hydrocarbons were detected in groundwater samples collected from monitoring well MW-4 (located upgradient of the site adjacent to a former service station, and wells MW-3 (located downgradient of the site) and MW-5 (located crossgradient of the site).

7.0 LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental geological practice in California at the time this investigation was performed. This investigation was conducted solely for the purpose of evaluating environmental conditions of soil and groundwater adjacent to the

site. No soil engineering or geotechnical recommendations are implied or should be inferred. Evaluation of the geologic conditions at the site for the purpose of this investigation is made from a limited number of observation points. Subsurface conditions may vary away from the data points available.

8.0 REFERENCES

RESNA Industries, Inc. January 20, 1993, Work Plan for Off-Site Verification of Soil and Groundwater, Chevron Service Station No. 9-3864, Oakland, California, RESNA 17075.01W.

Table 1

RESNA
Working To Restore Nature

SOIL ANALYTICAL RESULTS
Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

Sample Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPHg
		<----------ppm---------->				
S6.5B-1	9/16/93	<0.005	<0.005	<0.005	<0.015	<1
S10.8B-1	9/16/93	<0.005	<0.005	<0.005	<0.015	<1
S6.0B-2	9/20/93	<0.005	<0.005	<0.005	<0.015	<1
S11.3B-2	9/20/93	<0.005	<0.005	<0.005	<0.015	<1
S6.3B-3	9/16/93	<0.005	<0.005	<0.005	<0.015	<1
S11.4B-3	9/16/93	<0.005	<0.005	<0.005	<0.015	<1
S14.5B-3	9/16/93	<0.005	<0.005	<0.005	<0.015	<1
S16.3B-3	9/16/93	0.007	0.010	0.005	0.017	1
S6.3B-4	9/15/93	<0.005	<0.005	<0.005	<0.015	<1
S11.3B-4	9/15/93	<0.005	0.530	0.150	1.8	300
S6.5B-5	9/16/93	<0.005	<0.005	<0.005	<0.015	<1
S11.5B-5	9/16/93	<0.005	<0.005	<0.005	<0.015	<1
S14.5B-5	9/16/93	<0.005	<0.005	<0.005	<0.015	<1
Cuttings ABCD	9/20/93	<0.005	<0.005	<0.005	<0.015	<1

Notes:

TPHg = Total Petroleum Hydrocarbons as Gasoline.
ppm = parts per million
< = Less than detection limit established by the laboratory

Table 2

RESNA
Working To Restore Nature

GROUNDWATER ELEVATION DATA
Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

WELL NUMBER	DATE MEASURED	TOC	DTW	ELEV./P.S.
		<----------feet---------->		
MW-1	9-20-93	115.05	12.68	102.37
MW-2	9-20-93	112.08	12.15	99.93
MW-3	9-20-93	113.67	16.42	97.25
MW-4	9-20-93	118.10	10.93	107.17
MW-5	9-20-93	116.74	15.31	101.43

Notes:

TOC = Top-of-Casing elevation feet above mean sea level
DTW = Depth to Water
ELEV./P.S. = Groundwater/Potentiometric Surface elevation above mean sea level.

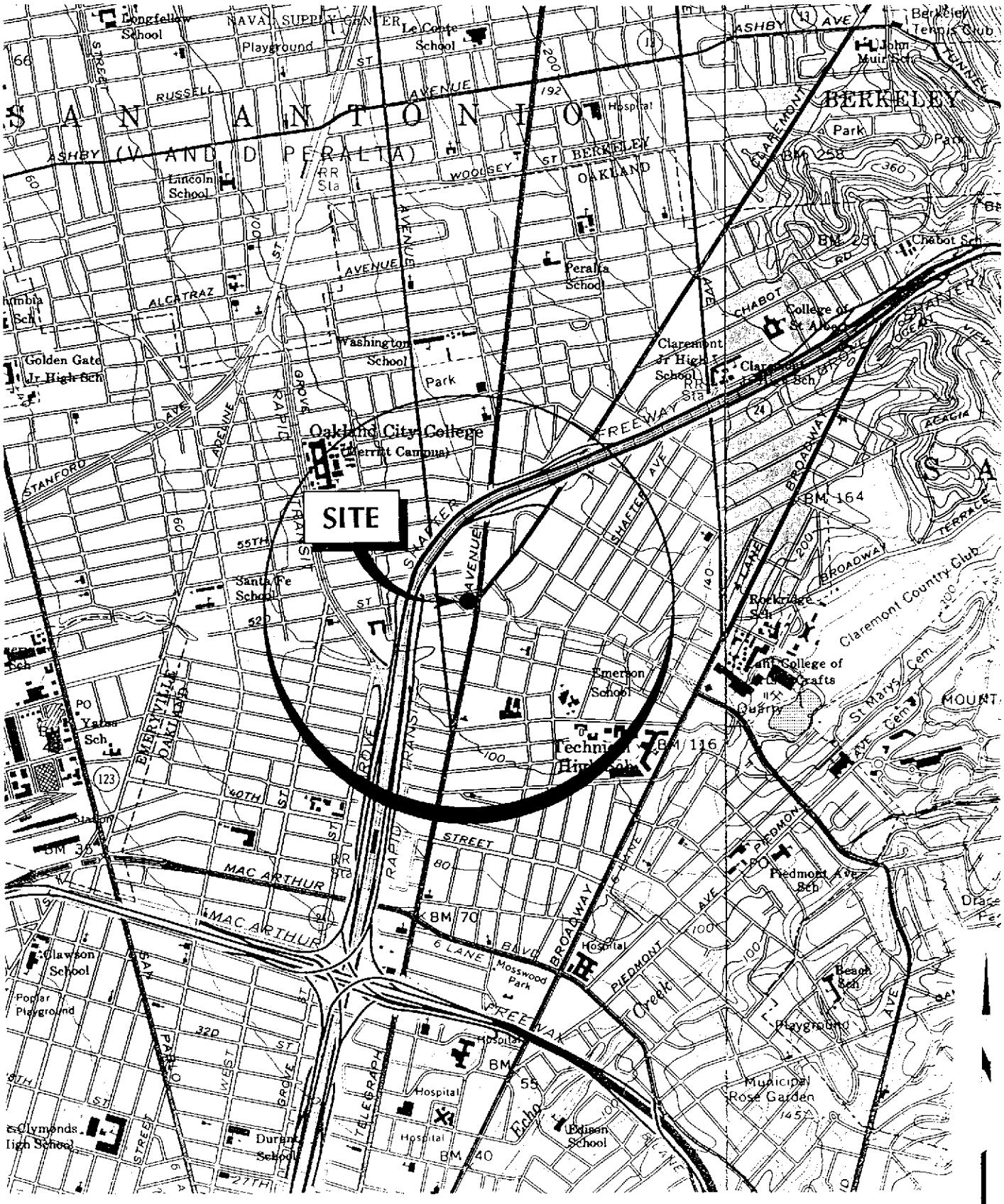
Table 3

RESNA
Working To Restore Nature

GROUNDWATER ANALYTICAL RESULTS
Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

Well Number	Date Sampled	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes
		<----------ppb---------->				
MW-1	9/21/93	<50	<0.5	<0.5	<0.5	<1.5
MW-2	9/21/93	<50	<0.5	<0.5	<0.5	<1.5
MW-3	9/21/93	6,600	400	11	32	23
MW-4	9/21/93	5,800	16	4.2	35	48
MW-5	9/21/93	590	25	1.8	0.6	2

TPHg = Total Petroleum Hydrocarbons as gasoline.
ppb = parts per billion
< = Less than detection limit established by the laboratory



Source: USGS Topographic Map, 7.5 minute series, Oakland East, Calif. and Oakland West, Calif. quadrangles, 1980

0 1/2 1

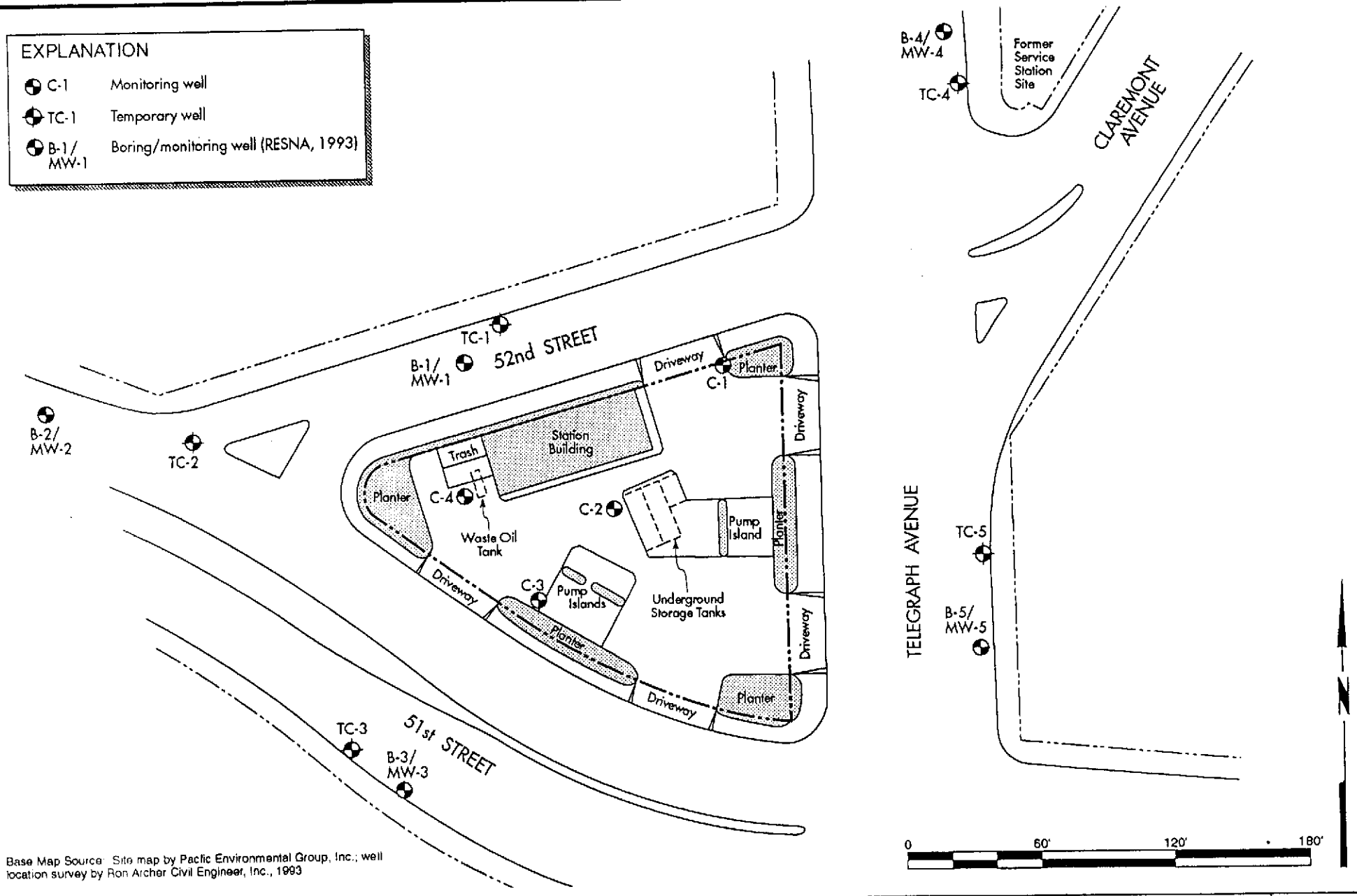
RESNA

PROJECT NO. 17075.01 1/93

SITE VICINITY MAP

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

PLATE 1



Base Map Source: Site map by Pacific Environmental Group, Inc.; well location survey by Ron Archer Civil Engineer, Inc., 1993

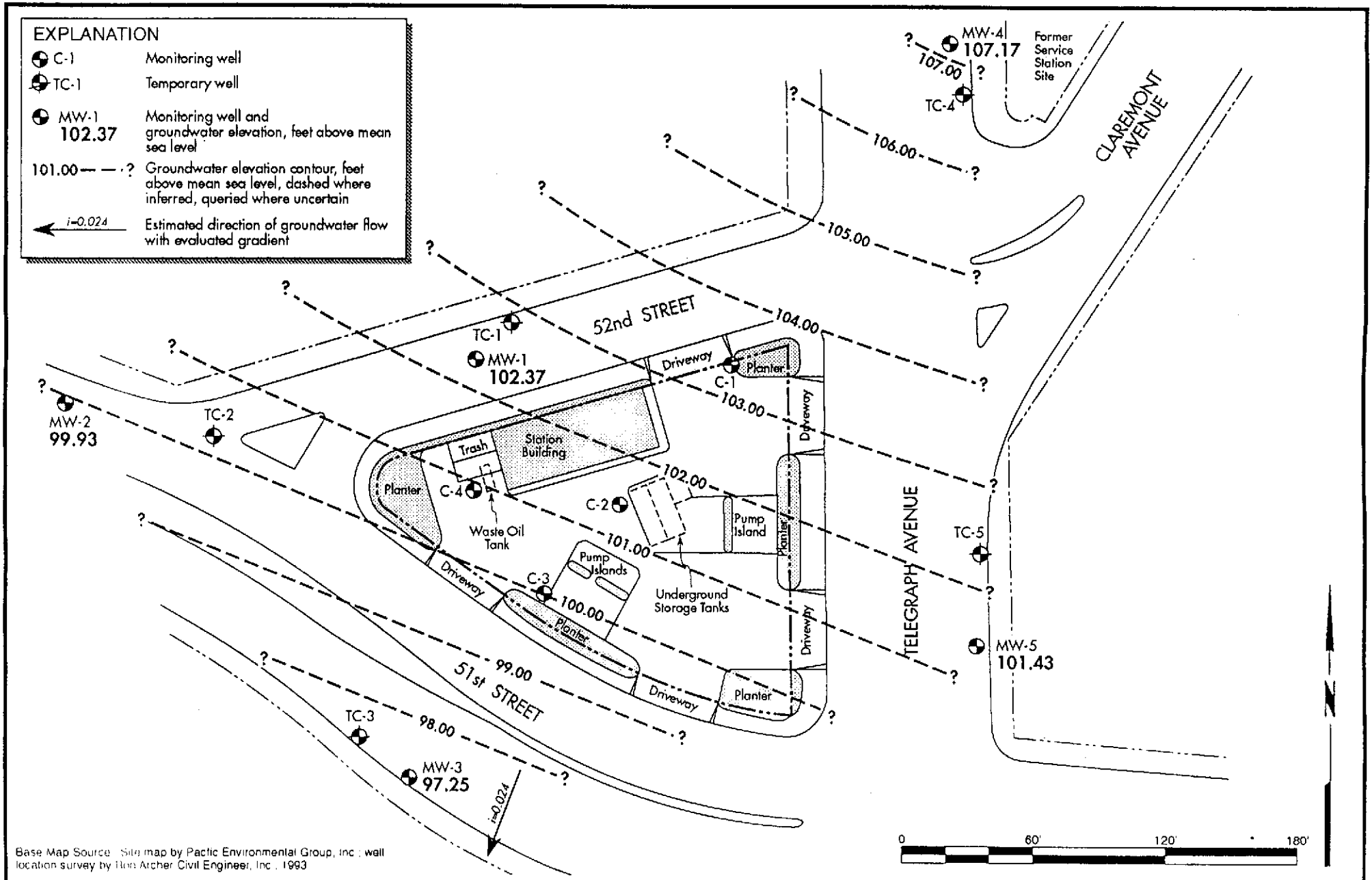
RESNA

PROJECT NO. 17075.01 | 9/93

GENERALIZED SITE PLAN

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

PLATE 2



Base Map Source: Site map by Pacific Environmental Group, Inc.; well location survey by Ron Archer Civil Engineer, Inc., 1993

RESNA

PROJECT NO. 17075.01 9/93

POTENTIOMETRIC SURFACE MAP—September 20, 1993

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

PLATE 3

APPENDIX A

WELL INSTALLATION PERMITS

X 1301344
EXCV - 190
A-FEE 40
PRK 230

CITY OF OAKLAND
PERMIT TO EXCAVATE IN STREETS OR OTHER WORK AS SPECIFIED

LOCATION OF WORK: 51ST ST (Street or Address) BETWEEN 52ND ST (Street/Ave.) AND TELEGRAPH (Specify)

PERMISSION TO EXCAVATE IN THE PUBLIC RIGHT-OF-WAY IS HEREBY GRANTED TO:

APPLICANT REGNA INDUSTRIES INC

ADDRESS 73 DIGITAL DR NOVATO CA 94949 PHONE #: 415 382 7400

TYPE OF WORK: GAS____ ELECTRIC____ WATER____ TELEPHONE____ CABLE TV____ SEWER____ OTHER WELL DRILLING (Specify)

NATURE OF WORK: INSTALLATION OF TEMPORARY AND PERMANENT MONITORING WELLS

INSPECTION COSTS FOR UTILITY COMPANIES & ADDITIONAL INSPECTION HOURS WILL BE CHARGED IN CONFORMANCE WITH THE MASTER FEE SCHEDULE.

APPL 40.00
EXCV 190.00
STREET 230.00
CHECK 460.00
ITEM 2CL 9999 09:10TM

OFFICIAL USE ONLY
UTILITY COMPANY REPORT

Supervisor _____

Completion Date _____

CITY INSPECTOR'S REPORT

	BACKFILL	PAVING
Initials		
Hours		
Date		
Concrete		
Asphalt		
Sidewalk		

Size of Cut: Sq. Ft. _____ Inches _____

Paved by _____ Type _____

Bill No. _____

Charges Backfill _____
Paving _____
Paving Insp. _____

Traffic Striping Replaced _____ Date

APPROVED

Engineering Services _____ Date _____

Planning _____ Date _____

Field Services _____ Date _____

Construction _____ Date _____

Traffic Engineering _____ Date _____

Electrical Engineering _____ Date _____

DIRECTOR OF PUBLIC WORKS

APPROVED BY: _____

DATE: 1-9-93

EXTENSION GRANTED BY: _____

DATE: _____

OWNER/BUILDER

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

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 70044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

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

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

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

Signature _____ Date _____

PERMIT VOID 90 DAYS FROM DATE OF ISSUE UNLESS EXTENSION GRANTED BY DIRECTOR OF PUBLIC WORKS.

Approximate Starting Date DATE _____

Approximate Completion Date DATE _____

HOLIDAY RESTRICTION (1 NOV — 1 JAN) YES ✓ NO _____

LIMITED OPERATION AREA (7AM – 9AM / 4PM – 6PM) YES ✓ NO _____

DATE STREET LAST RESURFACED DATE _____

SPECIAL PAVING DETAIL REQUIRED YES _____ NO _____

24-HOUR EMERGENCY PHONE NUMBER _____

PERMIT NOT VALID WITHOUT 24 HOUR NUMBER.

Telephone 238-3651 Forty-eight (48) HOURS BEFORE ACTUAL CONSTRUCTION.

ATTENTION

State law requires that contractor/owner call Underground Service Alert two working days before excavating to have below-ground utilities located. This permit is not valid unless applicant has secured an inquiry identification number issued by Underground Service Alert.

Call Toll Free: 800-642-2444 USA ID Number _____

WORKER'S COMPENSATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab C).

Policy # _____ Company Name _____

☐ Certified copy is hereby furnished.

☐ Certified copy is filed with the city building inspection dept.

Signature _____ Date 1.8.93

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California

Signature _____ Date _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

This permit issued pursuant to all provisions of Chapter 8, Article 2 of the Oakland Municipal Code.

This permit is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance.

CONTRACTOR

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

LICENSE # AND CLASS 627796 CITY BUSINESS TAX # 857114

x _____ Date 1.8.93

Signature of Contractor Owner or Agent

☐ Agent for ☑ Contractor ☐ Owner

X9301346
EXCV- 190
A-FEE 40
DRIV 230

CITY OF OAKLAND

PERMIT TO EXCAVATE IN STREETS OR OTHER WORK AS SPECIFIED

LOCATION OF WORK: 5101 TELEGRAPH AVE (Street or Address) BETWEEN 51ST ST (Street/Ave.) AND 52ND ST (Specify)

PERMISSION TO EXCAVATE IN THE PUBLIC RIGHT-OF-WAY IS HEREBY GRANTED TO:

APPLICANT REGNA INDUSTRIES INC

ADDRESS 73 DIGITAL DR NOVATO CA 94949 PHONE #: 415 382 7400

TYPE OF WORK: GAS____ ELECTRIC____ WATER____ TELEPHONE____ CABLE TV____ SEWER____ OTHER WELL MONITORING (Specify)

NATURE OF WORK: INSTALLATION OF TEMPORARY AND PERMANENT MONITORING WELLS

INSPECTION COSTS FOR UTILITY COMPANIES & ADDITIONAL INSPECTION HOURS WILL BE CHARGED IN CONFORMANCE WITH THE MASTER FEE SCHEDULE.

OWNER/BUILDER

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☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 70044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

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

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

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

Signature _____ Date _____

WORKER'S COMPENSATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab C.).

Policy # _____ Company Name _____

☐ Certified copy is hereby furnished.

☐ Certified copy is filed with the city building inspection dept.

Signature [signature] Date 9.8.93

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Signature _____ Date _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

PERMIT VOID 90 DAYS FROM DATE OF ISSUE UNLESS EXTENSION GRANTED BY DIRECTOR OF PUBLIC WORKS.

Approximate Starting Date DATE _____

Approximate Completion Date DATE _____

HOLIDAY RESTRICTION (1 NOV — 1 JAN) YES _____ NO (09-08-93)

LIMITED OPERATION AREA (7AM – 9AM / 4PM – 6PM) YES NO _____

DATE STREET LAST RESURFACED DATE 92

SPECIAL PAVING DETAIL REQUIRED B YES NO _____

24-HOUR EMERGENCY PHONE NUMBER _____

PERMIT NOT VALID WITHOUT 24 HOUR NUMBER.

Telephone 238-3651 Forty-eight (48) HOURS BEFORE ACTUAL CONSTRUCTION.

ATTENTION

State law requires that contractor/owner call Underground Service Alert two working days before excavating to have below-ground utilities located. This permit is not valid uness applicant has secured an inquiry identification number issued by Underground Service Alert.

Call Toll Free: 800-642-2444 USA ID Number _____

This permit issued pursuant to all provisions of Chapter 6, Article 2 of the Oakland Municipal Code.

This permit is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance.

CONTRACTOR

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

LICENSE # AND CLASS 629796 CITY BUSINESS TAX # B57114

X [signature] Date 9.8.93

Signature of Contractor Owner or Agent

☐ Agent for _____ ☑ Contractor ☐ Owner

OFFICIAL USE ONLY

UTILITY COMPANY REPORT 40.00

Supervisor _____ EXCV PERMIT 190.00

Completion Date _____ CHECK -230.00

ITEM 2

0000 09:10TM

#1 CITY INSPECTOR'S REPORT

	BACKFILL	PAVING
Initials		
Hours		
Date		
Concrete		
Asphalt		
Sidewalk		

Size of Cut: Sq. Ft. _____ Inches _____

Paved by _____ Type _____

Bill No. _____

Charges Backfill _____ Paving _____ Paving Insp. _____

Traffic Striping Replaced _____ Date

APPROVED

Engineering Services _____ Date _____

Planning _____ Date _____

Field Services _____ Date _____

Construction _____ Date _____

Traffic Engineering _____ Date _____

Electrical Engineering _____ Date _____

DIRECTOR OF PUBLIC WORKS

APPROVED BY: _____

DATE: _____

EXTENSION GRANTED BY: _____

DATE: _____

350-2 (REV. 8/90)

X 9301942
EXCV- 190
A FEE 40
TOTAL 230

CITY OF OAKLAND
PERMIT TO EXCAVATE IN STREETS OR OTHER WORK AS SPECIFIED

LOCATION OF WORK: 52nd ST (Street or Address) BETWEEN 51st ST (Street/Ave.) AND TELEGRAPH (Specify)

PERMISSION TO EXCAVATE IN THE PUBLIC RIGHT-OF-WAY IS HEREBY GRANTED TO:

APPLICANT RESNA INDUSTRIES INC

ADDRESS 73 DIGITAL DR NOVATO CA 94949 PHONE #: 415 382 7400

TYPE OF WORK: GAS____ ELECTRIC____ WATER____ TELEPHONE____ CABLE TV____ SEWER____ OTHER WELL DRILLING (Specify)

NATURE OF WORK: INSTALLATION OF TEMPORARY AND PERMANENT MONITOR WELLS

INSPECTION COSTS FOR UTILITY COMPANIES & ADDITIONAL INSPECTION HOURS WILL BE CHARGED IN CONFORMANCE WITH THE MASTER FEE SCHEDULE.

EXCV 190.00
SURTX 40.00
230.00

OWNER/BUILDER

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

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 70044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

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

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

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

Signature ________ Date ________

WORKER'S COMPENSATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab C).

Policy # ________ Company Name ________

☐ Certified copy is hereby furnished.

☐ Certified copy is filed with the city building inspection dept.

Signature M[signature] Date 9-8-93

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Signature ________ Date ________

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with ... provisions or this permit shall be deemed revoked.

PERMIT VOID 90 DAYS FROM DATE OF ISSUE UNLESS EXTENSION GRANTED BY DIRECTOR OF PUBLIC WORKS. 09-09-93

Approximate Starting Date — DATE ________

Approximate Completion Date — DATE ________

HOLIDAY RESTRICTION (1 NOV — 1 JAN) — (YES) ____ NO ____

LIMITED OPERATION AREA (7AM – 9AM/4PM – 6PM) — (YES) ____ (NO) ____

DATE STREET LAST RESURFACED — DATE ________

SPECIAL PAVING DETAIL REQUIRED — YES ____ (NO) ____

24-HOUR EMERGENCY PHONE NUMBER ________
PERMIT NOT VALID WITHOUT 24 HOUR NUMBER.

Telephone 238-3651 Forty-eight (48) HOURS BEFORE ACTUAL CONSTRUCTION.

ATTENTION

State law requires that contractor/owner call Underground Service Alert two working days before excavating to have below-ground utilities located. This permit is not valid uness applicant has secured an inquiry identification number issued by Underground Service Alert.

Call Toll Free: 800-642-2444 USA ID Number ________

This permit issued pursuant to all provisions of Chapter 6, Article 2 of the Oakland Municipal Code.

This permit is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance.

CONTRACTOR

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

LICENSE # AND CLASS 621796 CITY BUSINESS TAX # 857114

X [signature] Date 9-8-93
Signature of Contractor Owner or Agent

☐ Agent for ☑ Contractor ☐ Owner

OFFICIAL USE ONLY

UTILITY COMPANY REPORT

#1 20L 9998 09:09TM

Supervisor ________

Completion Date ________

CITY INSPECTOR'S REPORT

	BACKFILL	PAVING
Initials		
Hours		
Date		
Concrete		
Asphalt		
Sidewalk		

Size of Cut: Sq. Ft. ____ Inches ____

Paved by ________ Type ________

Bill No. ________

Charges — Backfill ________ Paving ________ Paving Insp. ________

Traffic Striping Replaced ________ Date

APPROVED

Engineering Services ________ Date ________

Planning ________ Date ________

Field Services ________ Date ________

Construction ________ Date ________

Traffic Engineering ________ Date ________

Electrical Engineering ________ Date ________

DIRECTOR OF PUBLIC WORKS

APPROVED BY: [signature]

DATE: 9-8-93

EXTENSION GRANTED BY: ________

DATE: ________

ZONE 7 WATER AGENCY
RESNA
Working To Restore Nature
5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600
FAX (510) 462-3914
Phone: (415) 382-7400
FAX: (415) 382-7415

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 5101 TELEGRAPH AVE. OAKLAND, CA.

CLIENT
Name CHEVRON U.S.A.
Address 2410 CAMINO RAMON Voice
City SAN RAMON, CA. Zip 94583

APPLICANT
Name RESNA IND.
Fax (415) 382-7415
Address 73 DIGITAL DR. Voice (415) 382-7400
City NOVATO, CA. Zip 94949

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection		General	
Water Supply		Contamination	✓
Monitoring	✓	Well Destruction	

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger ✓
Cable ___ Other ___

DRILLER'S LICENSE NO. 482390

WELL PROJECTS
Drill Hole Diameter 8" in. Maximum
Casing Diameter 2" pvc" in. Depth 30 ft.
Surface Seal Depth 5 ft. Number 5

GEOTECHNICAL PROJECTS
Number of Borings ___ Maximum
Hole Diameter ___ in. Depth ___ ft.

ESTIMATED STARTING DATE 7/26/93
ESTIMATED COMPLETION DATE 7/27/93

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

FOR OFFICE USE

PERMIT NUMBER 93361
LOCATION NUMBER ___

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

(B.) WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 8 Jul
Wyman Hong

APPENDIX B

FIELD PROCEDURES

STANDARD OPERATING PROCEDURES
RE: ROTARY DRILLING MONITORING WELL INSTALLATION AND DEVELOPMENT
SOP-7

Stratigraphic test holes for monitoring wells may be drilled using truck-mounted drill rigs capable of: air and/or mud-rotary drilling, and continuous wire-line coring and/or drilling with tri-cone roller or fixed-blade drag bits. Generally, rotary drilling is used when conventional auger drilling is initially not possible or becomes no longer possible. Various drilling fluids (muds or air), are used to keep the hole from caving and to remove cuttings. These are chosen according to the formations expected to be encountered and the nature of the monitoring program. Samples may be collected directly from cores. A geologist from Western Geologic Resources continuously logs each test hole during drilling, and constantly checks drilling returns for odors. All drilling equipment is steam cleaned between test holes to prevent cross-contamination.

Frequently, hollow-stem augers are used to drill and sample to a minimum depth, or to auger refusal. The augers can be left in place as temporary surface casing. The center plug is then removed and coring is carried out through the augers. Alternatively, a shallow conductor casing or surface casing may be set by drilling to a desired depth with a large diameter bit, setting the casing, and proceeding with the coring. After total depth is reached, the test hole may be geophysically logged and/or hydraulically tested. If the casing is not to be set at the bottom of the hole, the lower portion of the hole may be grouted or backfilled according to well installation guidelines. Next, the test hole is drilled-out (reamed) after removal of the hollow-stem augers or conductor casing, if necessary, with a bit that is a minimum of 4 inches larger than the outside diameter of the well casing.

Upon reaching total depth for the reamed portion of the hole, the drilling fluid is circulated to remove cuttings and thinned as necessary. The selected casing is then placed down the hole. Monitoring wells are cased with threaded, factory-perforated and blank casing. No solvents or cements are used to assemble the casing. Centering devices may be affixed to the casing if there is concern that an even distribution of filter material and grout within the borehole annulus will not be attained. The well casing is thoroughly washed and steam-cleaned prior to installation. All recoverable drilling fluids and cuttings are collected for temporary storage and then are disposed of properly depending on analytic results.

After setting the casing, sand or gravel filter material is poured or tremied in to fill the annular space from the bottom of the hole to the top of the perforated interval. A 1- to 2-foot thick bentonite plug is placed above this filter material to prevent grout from infiltrating down into the filter material. Neat cement, containing about 5% bentonite, is then tremied into the annular space from the top of the bentonite plug to the surface. A lockable, water-tight cap is placed on each wellhead. Traffic-rated Christy boxes are installed around the wellhead for wells in parking lots and driveways while steel stove pipes are usually set over wellheads in landscaped areas.

After installation, the wells are thoroughly developed to remove residual drilling materials from the wellbore, and to improve well performance by removing any fine material in the filter pack that can pass from the formation into the well. Well development techniques used include pumping, bailing, surging, swabbing, jetting, flushing, and airlifting. All development water is collected for temporary storage in 55-gallon drums, and is then properly disposed of depending on analytic results. To assure that cross-contamination does not occur between wells during drilling and development, all development equipment is steam-cleaned prior to introduction into a new well.

STANDARD OPERATING PROCEDURES
RE: GROUNDWATER PURGING AND SAMPLING
SOP-4

Prior to water sampling, each well is purged by evacuating a minimum of three well-casing volumes of groundwater or until the temperature, conductivity, and pH of the discharge water stabilizes. If a well is purged dry before three casing volumes have been removed, the sample will be taken after the well has recovered to within 80 percent of the static water level.

The sampling equipment consists of either a teflon or steam-cleaned PVC bailer, a stainless steel bladder pump with a teflon bladder, or submersible stainless steel pump. If the sampling system is dedicated to the well, then the bailer is made of teflon, and the bladder pump is PVC with a polypropylene bladder. A submersible stainless steel and teflon electric pump will be used for purging larger volume wells. Forty milliliter (ml) glass volatile-organic-analysis (VOA) vials, with teflon septa, are used as sample containers. For other analyses the appropriate EPA approved sampling container is used.

The groundwater sample is decanted into each VOA vial in such a manner that there is a meniscus at the top of the vial. The cap is quickly placed over the top of the vial and securely tightened. The VOA vial is then inverted and tapped to see if air bubbles are present. If none are present, the sample is labeled and refrigerated for delivery under chain-of-custody to the laboratory. Label information should include a sample identification number, job identification number, date, time, type of analysis requested, and the sampler's name.

For quality control purposes, a duplicate water sample is collected from each well. This sample is put on hold at the laboratory. A trip blank is prepared at the laboratory and placed in the transport cooler. It remains with the cooler and is analyzed by the laboratory along with the groundwater samples. A field blank is prepared in the field when sampling equipment is not dedicated. The field blank is prepared after a pump or bailer has been steam-cleaned, prior to use in a second well, and is analyzed along with the other samples. The field blank demonstrates the quality of in-field cleaning procedures to prevent cross-contamination.

To minimize the potential for cross-contamination between wells, all the well-development and water sampling equipment that is not dedicated to a well is steam-cleaned between each well. As a second precautionary measure, wells will be sampled in order of least to highest concentrations as established by previous analyses.

STANDARD OPERATING PROCEDURES
RE: MEASURING LIQUID LEVELS USING WATER LEVEL PROBE OR INTERFACE PROBE
SOP-8

The complete list of field equipment for liquid level gauging is assembled in the Technical office prior to departure to the field. This includes the probe(s), light filter(s), and product bailer(s) to be used for liquid levels (tested in test well before departure). The field kit also includes cleaning supplies (buckets, TSP, spray bottles, and deionized water) to clean the equipment between gauging wells.

When using the water level probe to gauge liquid levels, the probe tip is lowered into the well until the unit sounds. The top-of-casing (TOC) point is determined. This point is marked with a dot or a groove, or is an obvious high point on the casing, or is the north end of the casing. The place on the probe-cord that corresponds with this TOC point is marked and an engineer's tape is used to measure the distance between the probe end and marking on the cord. This measurement is then recorded on the liquid level data sheet as depth to water (DTW).

When using the interface probe to gauge liquid levels, the probe is first grounded by clamping it to the metal stove pipe or another metal object nearby. When no ground is available, reproduceable measurements can be obtained by clipping the ground lead to the handle of the interface probe case. After grounding the probe, the top of the well casing is fitted with a light filter to insure that sunlight does not interfere with the operation of the probe's optical mechanisms. The probe tip is then lowered into the well and submerged in the groundwater. An oscillating (beeping) tone indicates that the probe is in water. The probe is slowly raised until either the oscillating tone ceases or becomes a solid tone. In either case, this is the depth-to-groundwater (DTW) measurement. The solid tone indicates that liquid hydrocarbon is present on top of the groundwater. To determine the thickness of the liquid hydrocarbon, the probe is slowly raised until the solid tone ceases. This is the depth-to-liquid hydrocarbon (DTLH) measurement. The process of lowering and raising the probe must be repeated several times to insure accurate measurements. DTW and DTLH measurements are recorded in hundredths of feet on the liquid level data sheet. When liquid hydrocarbon is found in a well, a product bailer must be lowered partially through the water/liquid hydrocarbon interface to confirm the thickness of liquid hydrocarbon on the water surface. This measurement is recorded on the data sheet as liquid hydrocarbon thickness (PT).

In order to avoid cross contamination of wells during the liquid level gauging process, wells are gauged in a clean to dirty order (where this information is available). In addition, any gauging equipment is cleaned with TSP and water and thoroughly rinsed with deionized water before daily use, before gauging another well on a site, and at the completion of daily use.

STANDARD OPERATING PROCEDURES
RE: CHAIN-OF-CUSTODY FORM
SOP-10

To ensure correct analysis and integrity of any sample, a chain-of-custody form accompanies all samples from the field to the designated analytical laboratory. The form accompanies every shipment of samples and establishes the documentation necessary to trace sample possession, as well as the evidence of collection, shipment, laboratory receipt, analysis requested and laboratory custody until the time of disposal.

The chain-of-custody form will contain the following information:

1. Sample identification
2. Location of sample collection
3. Date and time of sample collection
4. Analysis required
5. Sample type
6. Sample container type
7. Preservative utilized
8. Names of all samplers
9. Signatures of persons relinquishing samples and receiving samples
10. Laboratory name and address
11. Laboratory sample number and log number (recorded by the laboratory personnel)
12. RESNA's contact name and project number
13. Sample condition and temperature (recorded by laboratory personnel)

The RESNA chain-of-custody form is a three-part duplicate form. The white original copy remains in the project file; the pink copy is for the analytical laboratory; and the yellow copy is retained by field services.

Sample transfer and shipment is always accompanied by a chain-of-custody form. The initial preparation of the chain-of-custody form occurs in the field by the persons collecting the samples. Each sample is assigned a unique identification number which incorporates the date of sampling and the sample location. These identification numbers are entered on the chain-of-custody, accompanied by the requested analysis, preservative used, the type of sample collected and description of the sample container. Any special instructions for sample handling are included at this time.

If the samples are delivered to the laboratory by the field sampling personnel, they will at that time sign the chain-of-custody form to relinquish the samples. At this point, the Quality Control Coordinator, or representative for the laboratory, will check to make sure all samples are present and note the condition and integrity of each sample. After all samples have been documented as received by the laboratory personnel, they will sign the chain-of-custody form. A copy of the signed chain-of-custody form should be returned by the lab with the analytical data.

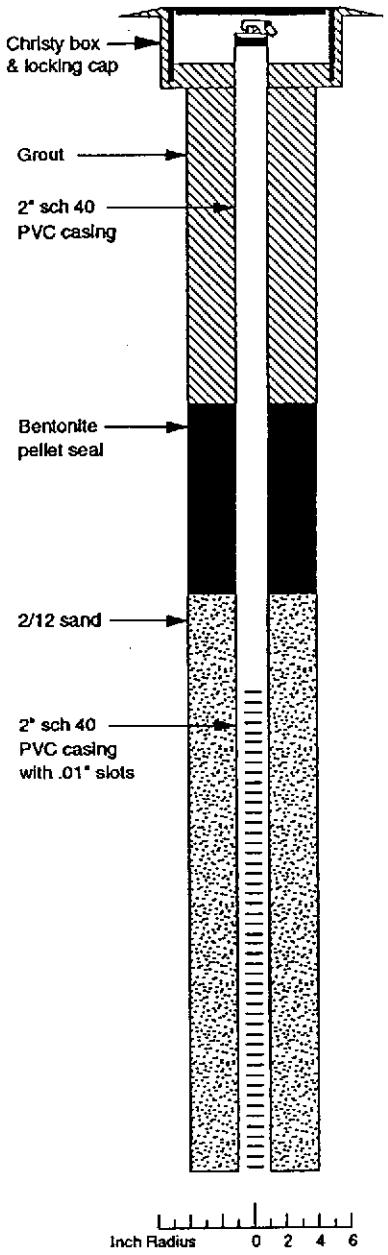
If samples are shipped by courier, or other commercial carrier, the container of samples shall be sealed, and a custody tape will be applied to the container to seal it and to signal any tampering with the container. The waybill receipt from the commercial carrier will be attached to the project file chain-of-custody form and serve as an extension to the chain-of-custody form.

Any changes to a chain-of-custody form must be initialed and copies of the revised form must be distributed to both the project file and the laboratory.

STANDARD OPERATING PROCEDURES
RE: STOCKPILE SOIL SAMPLING
SOP-5

Soil samples from soil stockpiles are collected in thin-walled, 4-inch long by 2-inch outside diameter brass tubes. The sampling protocol for stockpile sampling is determined by the dimensions of the soil pile and the requirements of the facility that may receive the soil for disposal. An average of one soil sample per ten cubic yards is collected. The samples are composited prior to chemical analysis. The number of samples in a composite depends on the amount of cubic yards of soil. Typically, composites are made up of a minimum of two samples, and range up to a maximum of four samples.

The sampling tools used are hand driven sampling devices that maintain the physical integrity of the samples while minimizing volatilization. Upon removal from the sampling device, the tubes are immediately trimmed and sealed with aluminum foil and plastic end caps. They are then hermetically sealed with duct tape, labeled, and refrigerated until delivery, under chain-of-custody, to the laboratory.



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
0				Asphalt
1				Sandy GRAVEL (GW) (fill)
2				SILT (ML) with fine- to medium-grained sand; brown; damp
3				
4				
5	4	3.6		SILT (ML); same as above; soft
6	5 5			
7				
8				
9				
10	11	4.6		Silty CLAY (CL) with trace fine-grained sand; gray with black mottling; damp; dense
11	15 21		NR	
12				

continues

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Justin Power
Dates Drilled:	9/16/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	Christy box & locking cap
Type of Sampler:	1½" & 2½" split spoon
TD (Total Depth):	26.5 feet

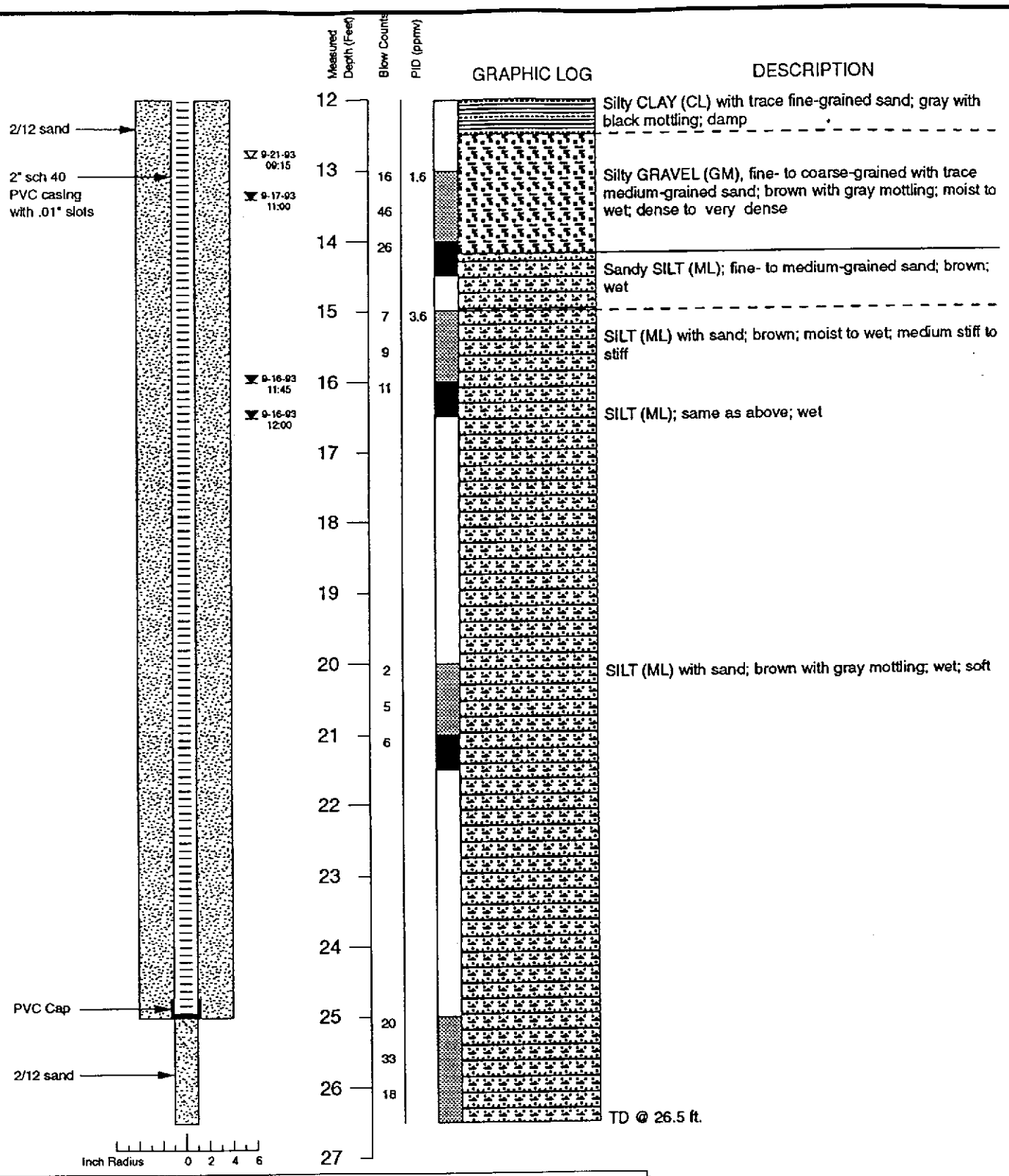
RESNA

PROJECT NO. 17075.01 | 10/93

BORING LOG—Boring B-1 (Monitoring Well MW-1)

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

BORING B-1



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
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- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

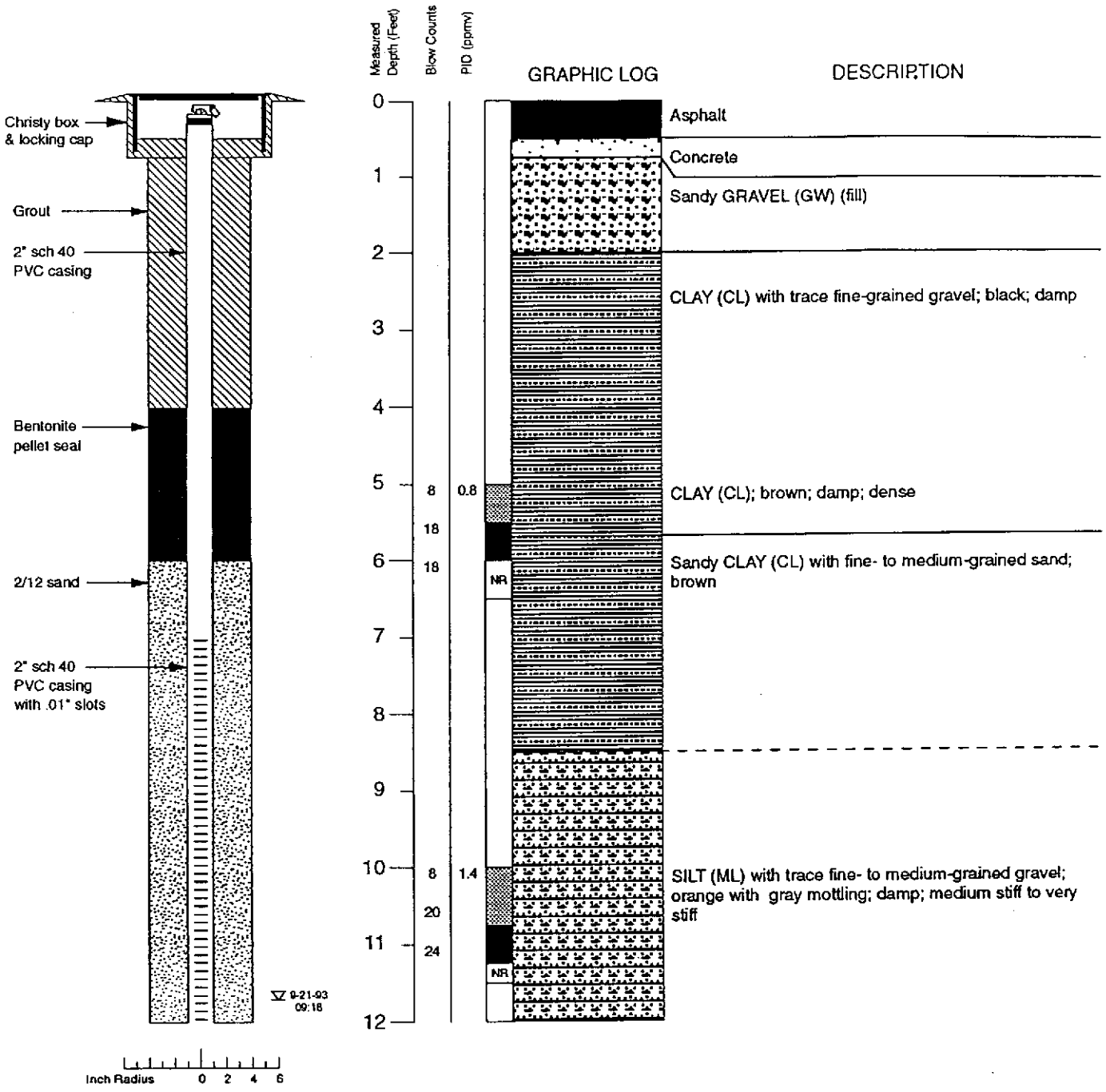
RESNA

PROJECT NO. 17075.01 | 10/93

BORING LOG—Boring B-1 (Monitoring Well MW-1)

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

BORING B-1



continues

Logged by:	Erich Neupert
Project Mgr:	Justin Power
Dates Drilled:	9/20/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	Christy box & locking cap
Type of Sampler:	1½" & 2½" split spoon
TD (Total Depth):	26.5 feet

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

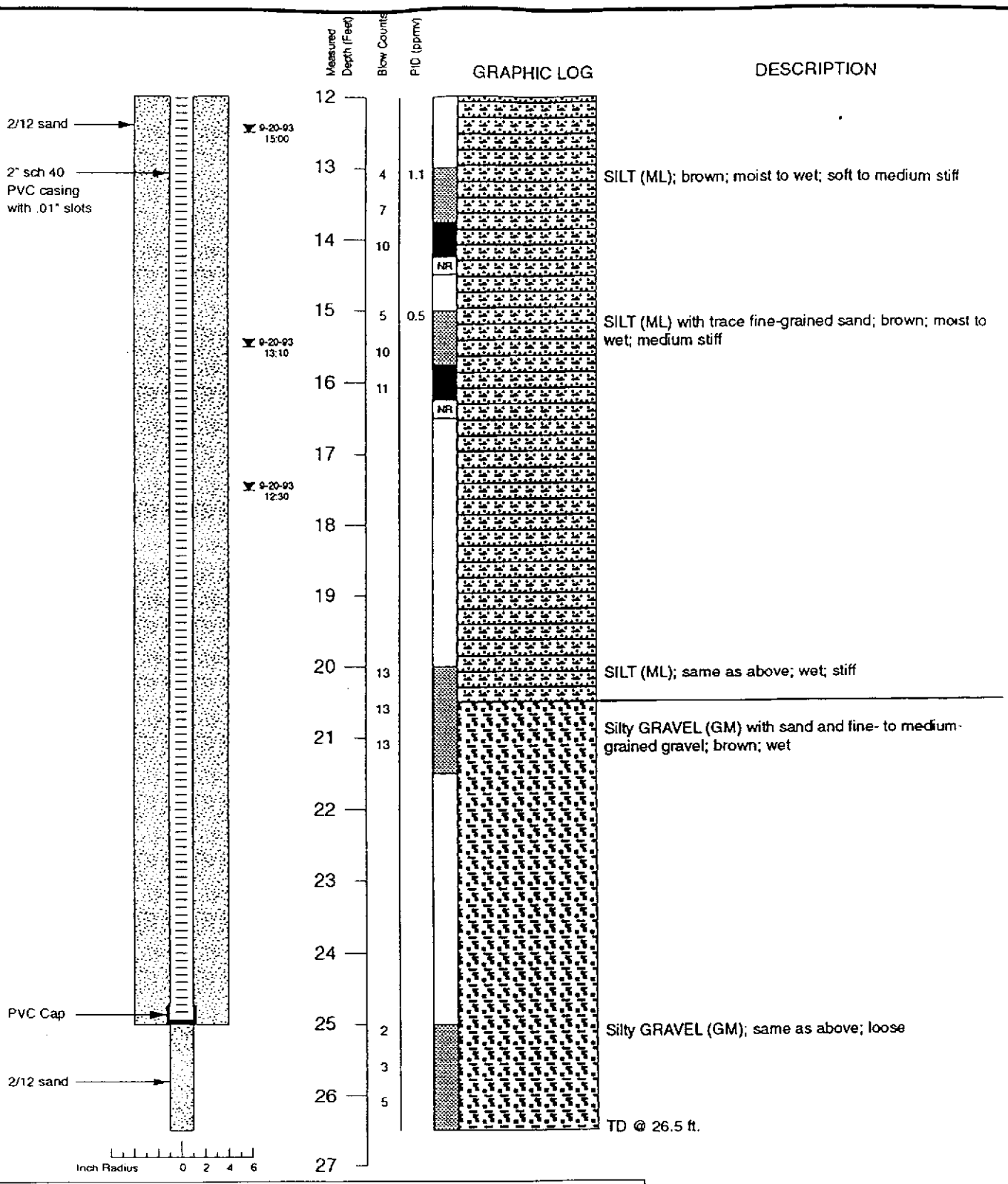
RESNA

PROJECT NO. 17075.01 | 10/93

BORING LOG—Boring B-2 (Monitoring Well MW-2)

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

BORING **B-2**



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

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BORING LOG—Boring B-2 (Monitoring Well MW-2)

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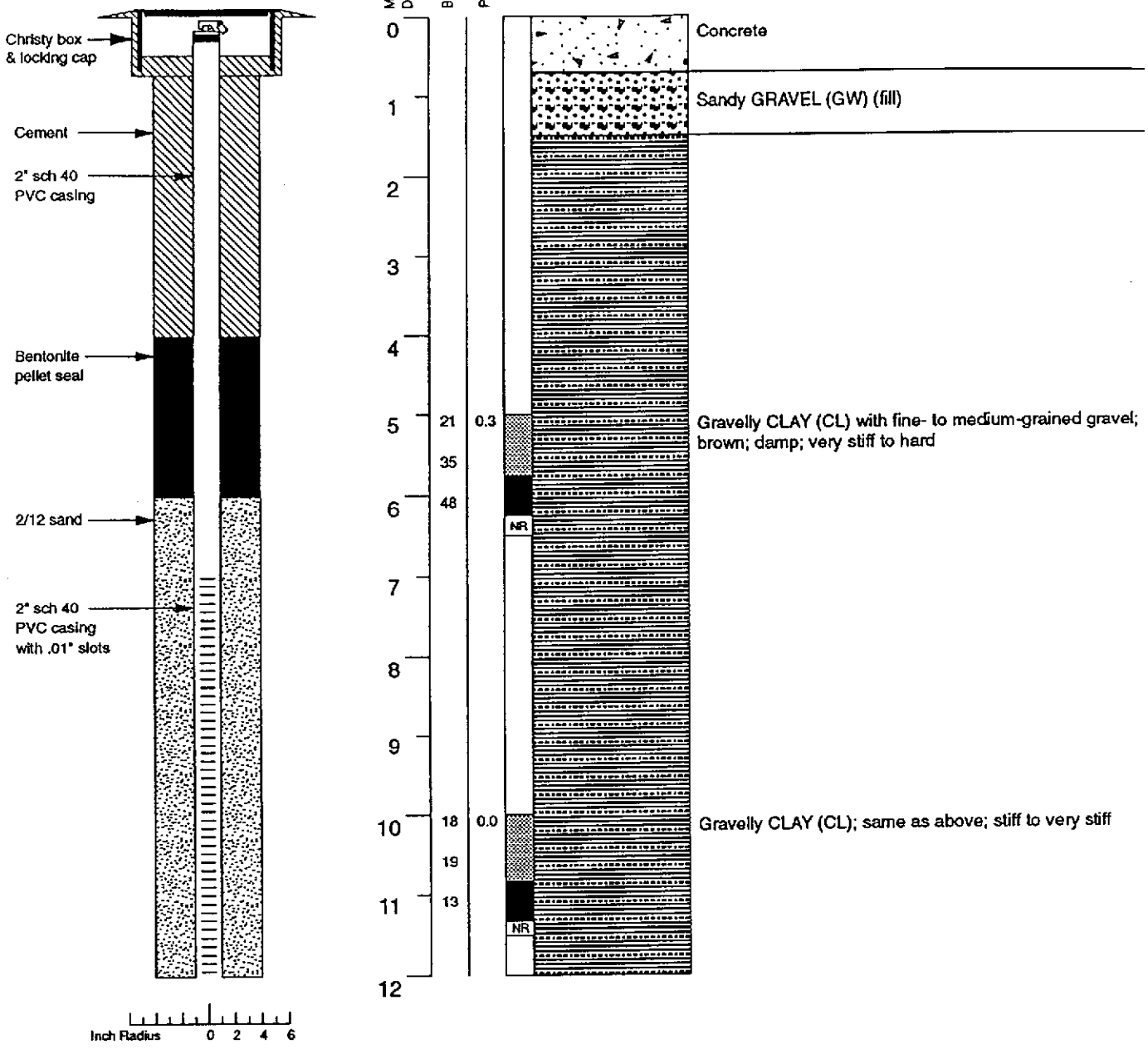
BORING

B-2



continues

EXPLANATION

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- Sample sealed for chemical analysis
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- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Justin Power
Dates Drilled:	9/16/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	Christy box & locking cap
Type of Sampler:	2½" split spoon
TD (Total Depth):	28.0 feet

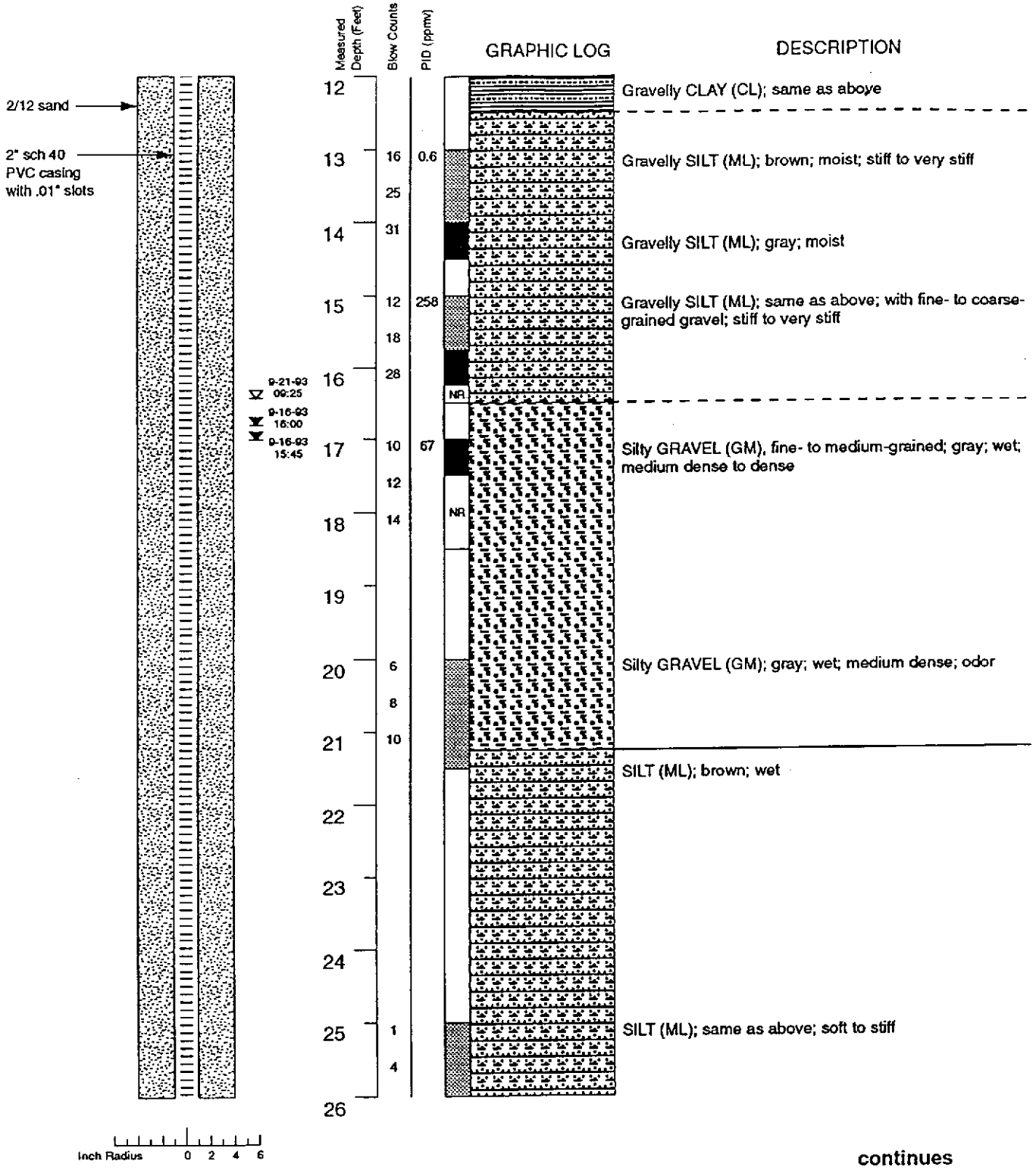
RESNA

PROJECT NO. 17075.01 | 10/93

BORING LOG—Boring B-3 (Monitoring Well MW-3)

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

BORING **B-3**



continues

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
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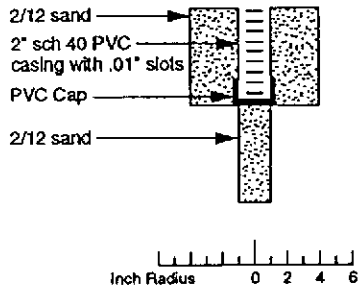
RESNA

PROJECT NO. 17075.01 | 10/93

BORING LOG—Boring B-3 (Monitoring Well MW-3)

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

BORING B-3



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
26	13			SILT (ML); brown; wet; soft to stiff
27	12			SILT (ML) with trace fine-grained gravel; brown; damp
	12			
28				TD @ 28.0 ft.
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				

EXPLANATION

- Recovered drill sample
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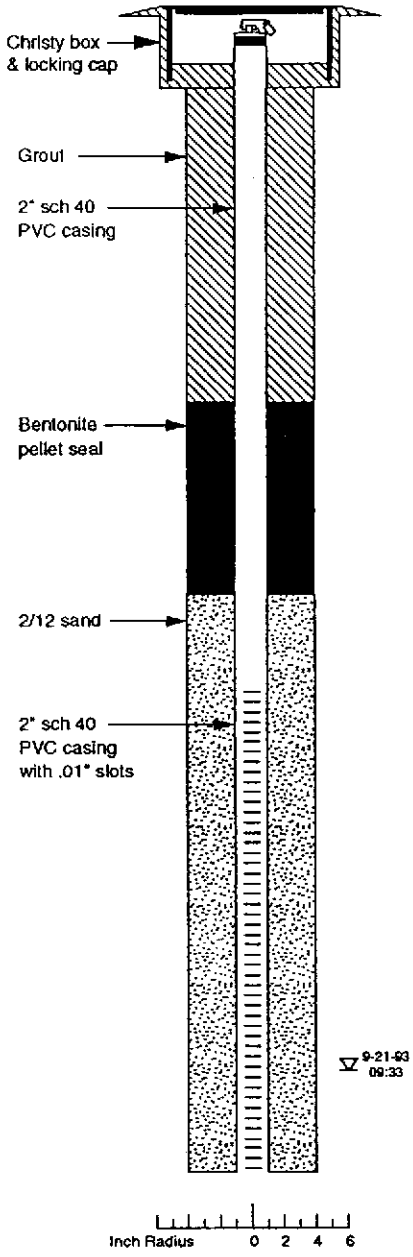
PROJECT NO. 17075.01 | 10/93

BORING LOG—Boring B-3 (Monitoring Well MW-3)

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

BORING B-3



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
0				Asphalt
1				Cement
2				CLAY (CL) with gravel and cobbles; black; damp
3				
4				
5	9	0.5		CLAY (CL) with fine- to medium-grained gravel; black; damp; medium stiff to very stiff
6	16			
7	24		NR	
8				
9				
10	8	349		Gravelly CLAY (CL) with sand; gray; medium stiff to very stiff; odor
11	15			
12	38		NR	

continues

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

Logged by:	Erich Neupert
Project Mgr:	Justin Power
Dates Drilled:	9/15/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	Christy box & locking cap
Type of Sampler:	1½" & 2½" split spoon
TD (Total Depth):	23.0 feet

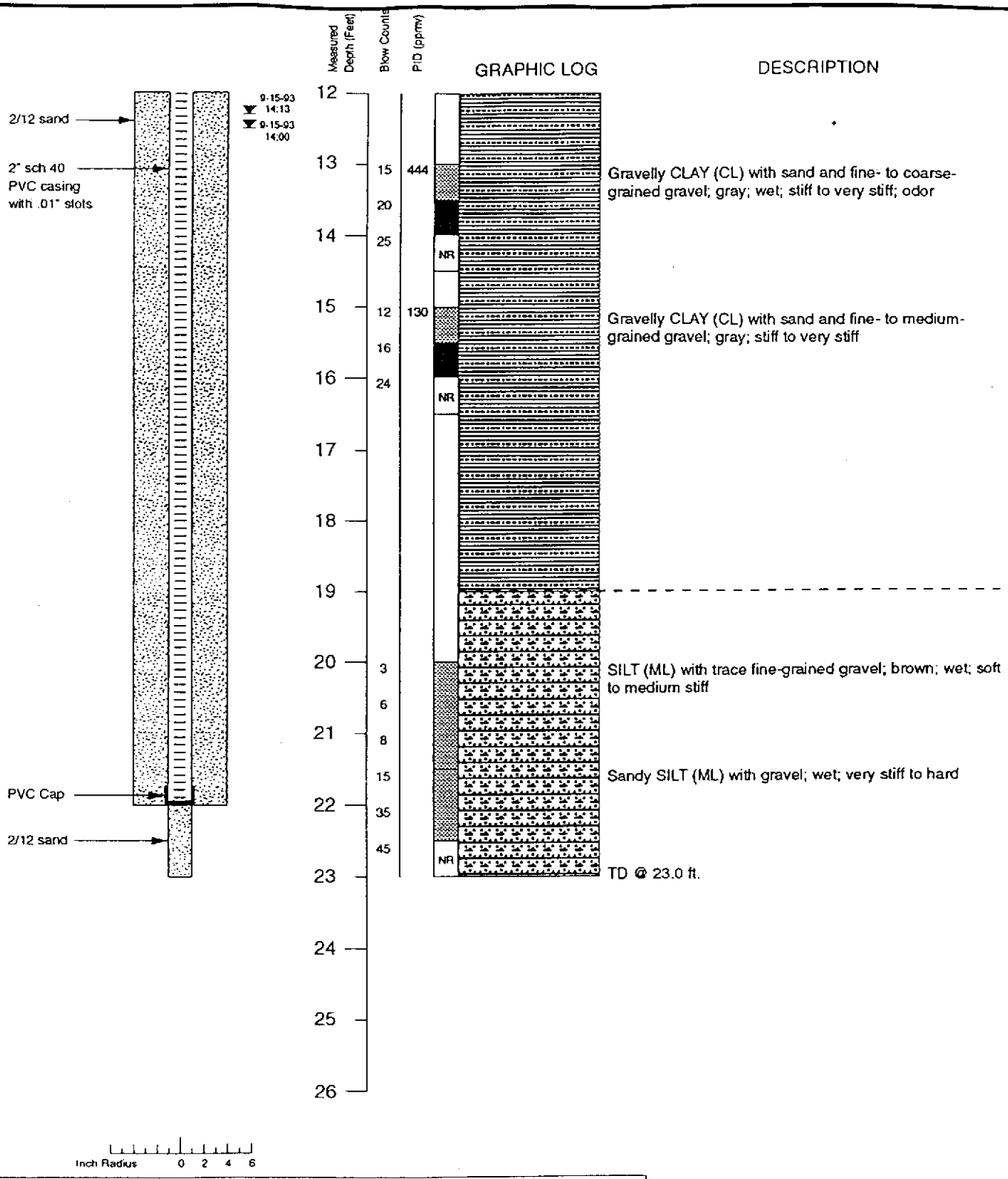
RESNA

PROJECT NO. 17075.01 | 10/93

BORING LOG—Boring B-4 (Monitoring Well MW-4)

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

BORING B-4



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

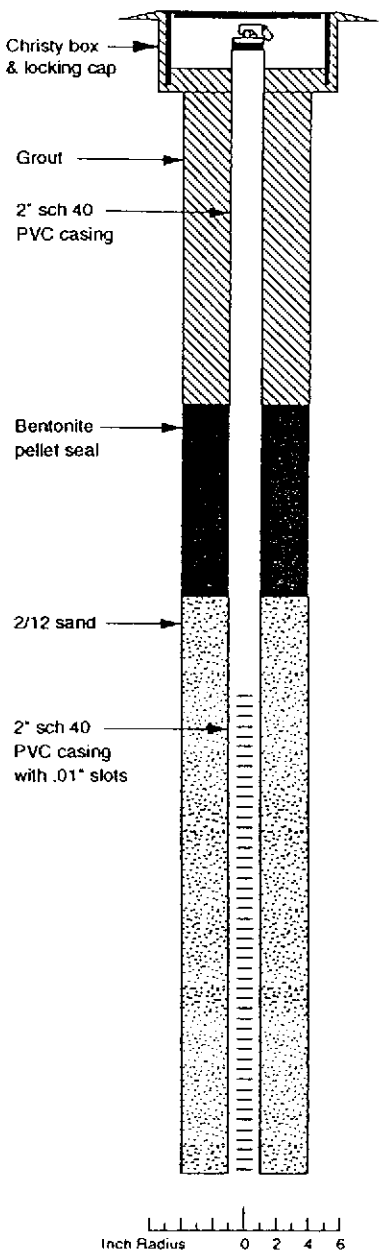
RESNA

PROJECT NO. 17075.01 | 10/93

BORING LOG—Boring B-4 (Monitoring Well MW-4)

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

BORING B-4



Measured Depth (Feet)	Blow Counts	PID (ppmv)	GRAPHIC LOG	DESCRIPTION
0				Concrete
1				Sandy GRAVEL (GW) (fill)
2				CLAY (CL); black
3				
4				
5	3	0.9		SILT (ML) with trace fine-grained gravel; brown; damp; soft
	4			
6	7			
7				
8				
9				
10	3	0.6		SILT (ML); same as above
	4			
11	5			
12				

continues

Logged by:	Erich Neupert
Projed Mgr:	Justin Power
Dates Drilled:	9/16/93
Drilling Company:	Kvilhaug
Drilling Method:	8" Hollow Stem Auger
Driller:	Paul Santos
Well Head Completion:	Christy box & locking cap
Type of Sampler:	1½" & 2½" split spoon
TD (Total Depth):	22.0 feet

EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery
- Water level during drilling
- Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

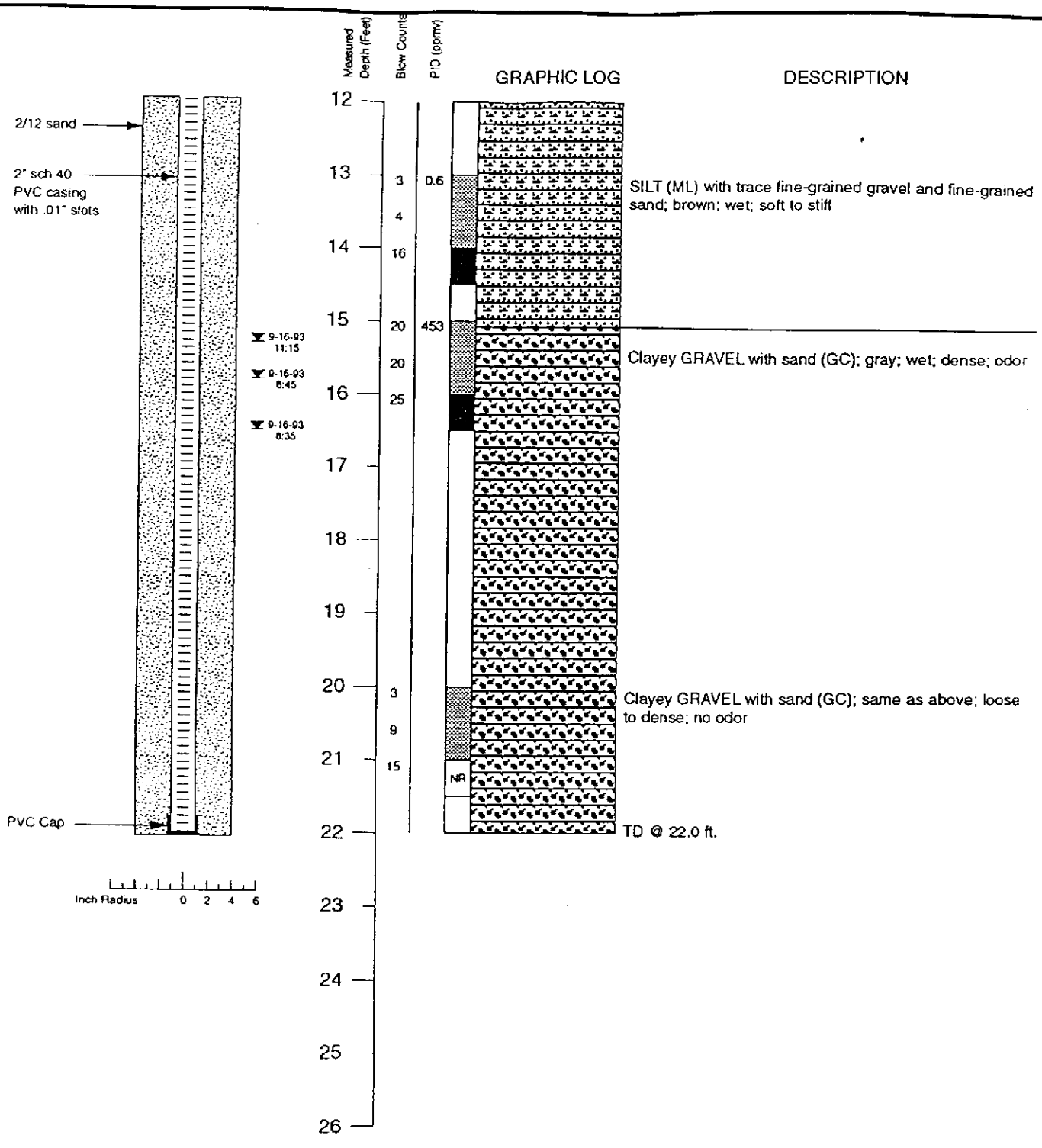
RESNA

PROJECT NO. 17075.01 | 10/93

BORING LOG—Boring B-5 (Monitoring Well MW-5)

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

BORING B-5



EXPLANATION

- Recovered drill sample
- Sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Core sample

est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary

NR — No recovery

▼ Water level during drilling

▽ Water level in completed well

CONTACTS:

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

RESNA

PROJECT NO. 17075.01 | 10/93

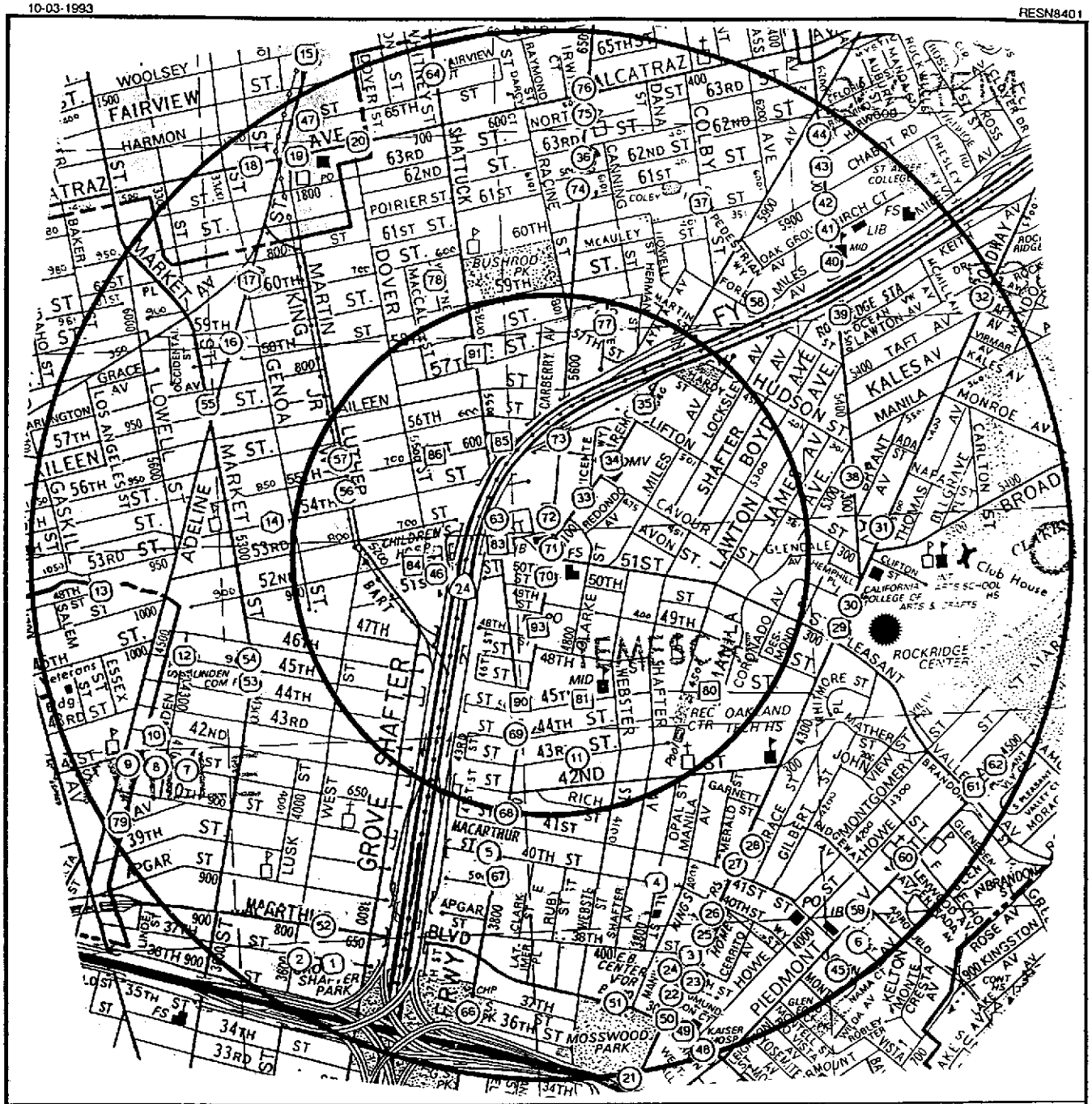
BORING LOG—Boring B-5 (Monitoring Well MW-5)

Former Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

BORING B-5

APPENDIX D

WATER WELL SURVEY / OFFSITE SOURCE INVESTIGATION



APPROXIMATE LOCATION OF IDENTIFIED SITES IN THE VICINITY OF
5101 TELEGRAPH AVE, OAKLAND

INTRODUCTION

This document, prepared on the request of Resna Industries, reports the findings of BBL's investigation of environmental concerns in the vicinity of 5101 Telegraph Ave, Oakland. It is divided in the following segments:

- Map - showing the location of the identified sites relative to the subject site. A total of 89 separate sites were identified.
- Summary - listing the identified sites by street names.
- Final Report - describing the sources investigated and the resulting findings:
  - Facilities known to have environmental concerns:

    - Federal Sources

National Priority List	No sites
CERCLIS	1 site
Federal Facilities	No sites
ERNS	No sites
RCRA Violators List	No sites
Superfund Liens	No sites

    - State Sources

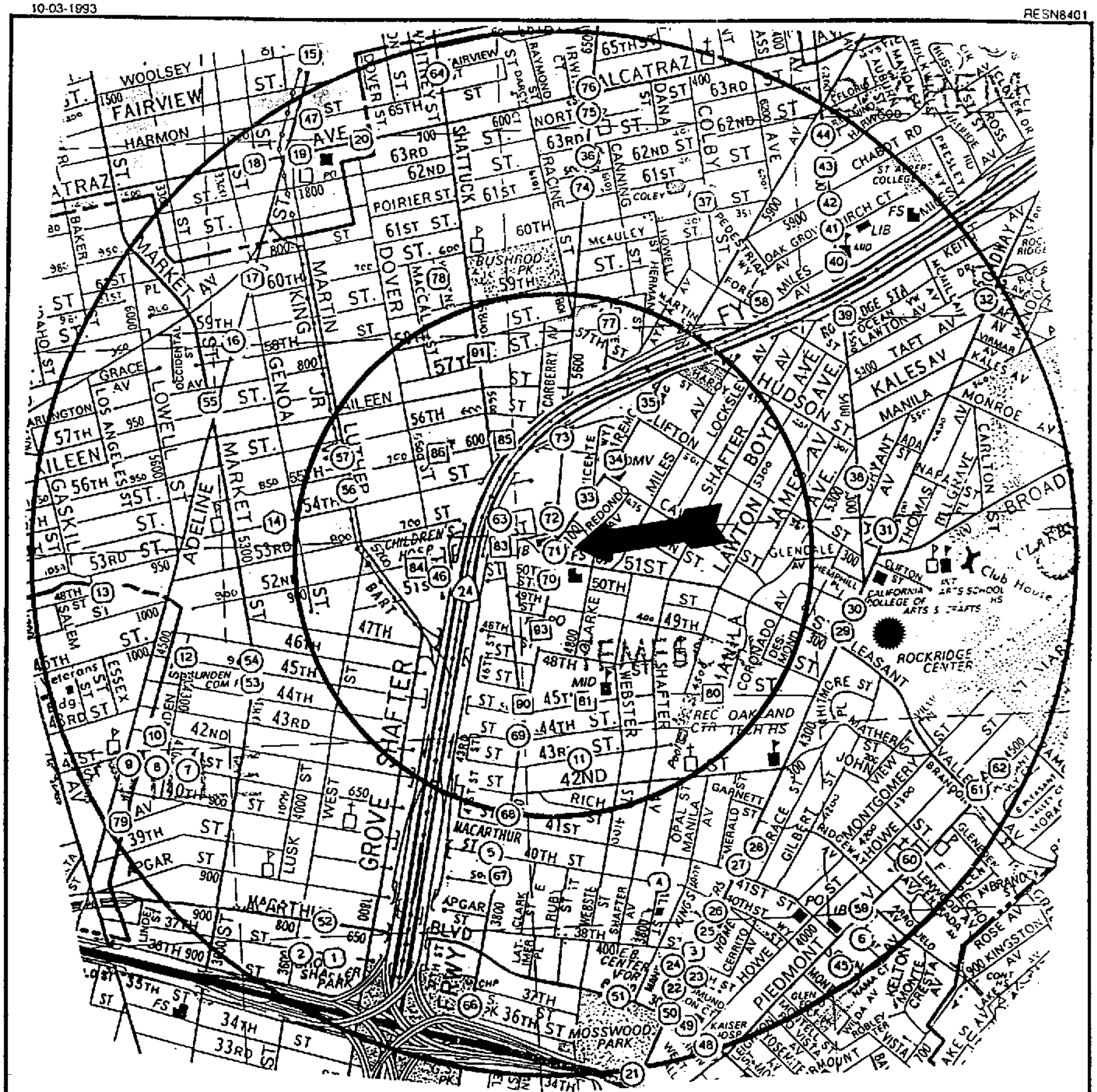
Annual Work Plan	1 site
CalSites	30 sites
Cortese	29 sites
State Solid Waste Assessment Test	No sites
Solid Waste Information System	No sites
State Leaking Underground Tanks	44 sites

    - Regional Sources

Regional Leaking Underground Tanks	37 sites
Non-Tank or Unauthorized Releases	6 sites
Toxic Pits	No sites
Regional Solid Waste Assessment Test	No sites
Well Investigation Program	No sites

  - Facilities with operating permits to generate, handle, store or dispose of hazardous material:

Hazardous Waste Information System	11 sites
Underground Storage Tanks	10 sites
SARA Title III	No sites



ENVIRONMENTAL CONCERNS - HIGH PRIORITY WITHIN 1 MILE

ENVIRONMENTAL CONCERNS WITHIN 1 MILE

ENVIRONMENTAL CONCERNS - WITH A 'NO FURTHER ACTION' STATUS WITHIN 1 MILE

OPERATING PERMITS ONLY, WITHIN 1/2 MILE

Map reproduced under license from Thomas Bros. (ALA 04C6)

3.3 inches to 1 mile

APPROXIMATE LOCATION OF IDENTIFIED SITES IN THE VICINITY OF
5101 TELEGRAPH AVE, OAKLAND

1. R J S ENTERPRISES
2. R.D. MINER CO.
3. KAISER HOSPITAL
4. CALIFORNIA SURGERY CENTER AND
5. SHELL
6. STERN PROPERTY CO
7. CALIFORNIA LINEN RENTAL
8. BOYSEN PAINT
9. DUNNE QUALITY PAINTS
10. OAKLAND NATL ENGRAVING INC
11. BLUMERT COMPANY
12. FLECTO INTERNATIONAL
13. 1056 48TH ST
14. L-M PLATING
15. AMERICAN UNICORN
16. UNKNOWN
17. GRANT LABORATORIES
18. SIERRA SOUND LABS
19. EUUELL BATES CLEANERS
20. PHOTO LAB
21. KAISER FOUNDATION HEALTH PLAN
22. CHEVRON
23. VAL STROUGH HONDA
24. FIRESTONE & RUBBER COMPANY
25. PRECISION TUNE
26. UNOCAL
27. 7-ELEVEN
28. FIVE C GROUP
29. SHIELDS, HARPER & COMPANY
30. MEHDIZADEH PROPERTY
31. UNOCAL
32. SHELL
33. CLARKS REFINISHING
34. KAPS
35. WILD FLOWER & COMPANY
36. BLOOD BANK OF THE ACCMA
37. DAVANZO, LORNA
38. WILLIAM BROWN REALTY
39. IMPAC PHOTO
40. RYAN'S CUSTOM UPHOLSTERY
41. CHEVRON
42. DRYER'S GRAND ICE CREAM
43. EXPOSURE
44. SHELL
45. DELLUCHI PROPERTY
46. CHILDREN'S HOSPITAL
47. TALLEY COSMETICS
48. SHELL
49. FITCH & ASSOCIATES
50. KAISER MEDICAL CENTER
51. UNOCAL
52. ARCO
53. OLIVIA RECORDS
54. DAMELE PROPERTY
55. CORVIT PHARMACEUTICALS
56. BP OIL
56. BP OIL COMPANY
57. CHEVRON
58. FIRE STATION #19
59. YOUNG'S FOOD & LIQUOR
60. LA MANCHA DEVELOPMENT COMPANY
61. DIGITAL MICRO SYSTEMS
62. CHAPEL OF THE CHIMES
63. ARCO
64. SHATTUCK IMPORTS
66. CALIFORNIA HIGHWAY PATROL OAKL
67. PAYLESS CLEANERS
68. SIMAS BROS.
69. KELLEY AUTO PARTS
70. MARKS PAINT SPOT
71. CHEVRON
72. AUTOPRO
73. CHEVRON
74. THRIFTY OIL
75. GIVENS INVESTMENT COMPANY
76. ARCO
76. ARCO
77. JAMES SLATON TRUCKING
78. WHERE ENDS MEET
79. PACIFIC TYPOGRAPHIC
80. CITY OF OAKLAND
81. PACIFIC BELL
83. STATION D
84. CHILDRENS HOSPITAL MEDICAL CTR
85. BERRY BROS AUTO SERVICE
86. OAKLAND HOUSING AUTHORITY
90. SHATTUCK CAR WASH
91. ENVIRONMENTAL QUALITECH
91. ENVIRONMENTAL CONTROL INDUSTRI
93. BANK OF AMERICA

UNKNOWN LOCATIONS

TOP LINE FIXTURES

INDEX OF SITES LISTED BY MAP NUMBERS

ENVIRONMENTAL RECORDS SEARCH

SUMMARY

LISTED BY STREET

ENVIRONMENTAL RECORDS SEARCH FOR
5101 TELEGRAPH AVE, OAKLAND

Job : RESN8401
Date: 10-03-1993

LOCATION	ADDRESS		CITY	MAP LOC	SOU-RCE	STATUS
R J S ENTERPRISES	675	37TH ST	OAKLAND	1	AS	NFA
R.D. MINER CO.	750	37TH ST	OAKLAND	2	LR	0
R.D. MINER CO.	750	37TH ST	OAKLAND	2	LT	0
R.D. MINER CO.	750	37TH ST	OAKLAND	2	Cs	WCRBT
KAISER HOSPITAL		38TH & BROADWAY	OAKLAND	3	NT	
CALIFORNIA SURGERY CENTER AND	390	40TH ST	OAKLAND	4	AS	NFA
SHELL	500	40TH ST	OAKLAND	5	LR	5R
SHELL	500	40TH ST	OAKLAND	5	LT	5R
SHELL	500	40TH ST	OAKLAND	5	Cs	WCRBT
STERN PROPERTY CO	175	41ST ST	OAKLAND	6	LT	0
CALIFORNIA LINEN RENTAL	989	41ST ST	OAKLAND	7	LR	3B
CALIFORNIA LINEN RENTAL	989	41ST ST	OAKLAND	7	LT	3B
CALIFORNIA LINEN RENTAL	989	41ST ST	OAKLAND	7	Cs	WCRBT
BOYSEN PAINT	1001	41ST ST	EMERYVILLE	8	LT	3A
DUNNE QUALITY PAINTS	1007	41ST ST	OAKLAND	9	LR	3B
DUNNE QUALITY PAINTS	1007	41ST ST	OAKLAND	9	LT	3B
DUNN QUALITY PAINTS	1007	41ST ST	OAKLAND	9	NT	
DUNNE QUALITY PAINTS	1007	41ST ST	OAKLAND	9	Cs	WCRBT
OAKLAND NATL ENGRAVING INC	1001	42ND ST	OAKLAND	10	NT	
OAKLAND NATIONAL ENGRAVING	1001	42ND ST	OAKLAND	10	Cs	WCRBT
BLUMERT COMPANY	490	43RD ST	OAKLAND	11	LT	0
FLECTO INTERNATIONAL	1000	45TH ST	OAKLAND	12	AS	NFA
1056 48TH ST	1056	48TH ST	EMERYVILLE	13	NT	
L-M PLATING	920	54TH ST	OAKLAND	14	BP	CERT
AMERICAN UNICORN	3165	ADELINE ST	BERKELEY	15	AS	NFA
UNKNOWN	5829	ADELINE ST	OAKLAND	16	LT	0
GRANT LABORATORIES	6020	ADELINE ST	OAKLAND	17	CC	
GRANT LABORATORIES INC	6020	ADELINE ST	OAKLAND	17	AS	NFA
TOP LINE FIXTURES		AILEEN ST	OAKLAND		AS	NFA
SIERRA SOUND LABS	1741	ALCATRAZ AVE	BERKELEY	18	AS	NFA
EUUELL BATES CLEANERS	1805	ALCATRAZ AVE	BERKELEY	19	AS	NFA
PHOTO LAB	1908	ALCATRAZ AVE	BERKELEY	20	AS	NFA
KAISER FOUNDATION HEALTH PLAN	3505	BROADWAY	OAKLAND	21	LR	3B
KAISER FOUNDATION HEALTH PLAN	3505	BROADWAY	OAKLAND	21	LT	3B
RICHMOND CYTOLOGY LAB	3505	BROADWAY, SUITE '1202	OAKLAND	21	AS	NFA
KAISER FOUNDATION HEALTH PLAN	3505	BROADWAY	OAKLAND	21	Cs	WCRBT
CHEVRON	3701	BROADWAY	OAKLAND	22	LR	5C
CHEVRON	3701	BROADWAY	OAKLAND	22	LT	5C
CHEVRON	3701	BROADWAY	OAKLAND	22	Cs	WCRBT
VAL STROUGH HONDA	3737	BROADWAY	OAKLAND	23	LT	0
FIRESTONE & RUBBER COMPANY	3785	BROADWAY	OAKLAND	24	LR	0
FIRESTONE & RUBBER COMPANY	3785	BROADWAY	OAKLAND	24	LT	0
PRECISION TUNE	3810	BROADWAY	OAKLAND	25	LR	3B
PRECISION TUNE	3810	BROADWAY	OAKLAND	25	LT	3B
UNOCAL	3943	BROADWAY	OAKLAND	26	LR	5C

ENVIRONMENTAL RECORDS SEARCH FOR 5101 TELEGRAPH AVE, OAKLAND

Job : RESN8401
Date: 10-03-1993

LOCATION	ADDRESS		CITY	MAP LOC	SOURCE	STATUS
UNOCAL	3943	BROADWAY	OAKLAND	26	LT	5C
UNOCAL	3943	BROADWAY	OAKLAND	26	Cs	WCRBT
7-ELEVEN	4100	BROADWAY	OAKLAND	27	LR	3B
7-ELEVEN	4100	BROADWAY	OAKLAND	27	LT	3B
7-ELEVEN	4100	BROADWAY	OAKLAND	27	Cs	WCRBT
FIVE C GROUP	4101	BROADWAY	OAKLAND	28	LT	0
SHIELDS, HARPER & COMPANY	5107	BROADWAY	OAKLAND	29	AS	NFA
MEHDIZADEH PROPERTY	5175	BROADWAY	OAKLAND	30	LT	5C
MEHDIZADEH PROPERTY	5175	BROADWAY	OAKLAND	30	LR	5C
UNOCAL	5300	BROADWAY	OAKLAND	31	LR	3B
UNOCAL	5300	BROADWAY	OAKLAND	31	LT	3B
SHELL	5755	BROADWAY	OAKLAND	32	LR	3B
SHELL	5755	BROADWAY	OAKLAND	32	Cs	WCRBT
CLARKS REFINISHING	5200	CLAREMONT AVE	OAKLAND	33	AS	NFA
KAPS	5301	CLAREMONT AVE	OAKLAND	34	AS	NFA
WILD FLOWER & COMPANY	5400	CLAREMONT AVE	OAKLAND	35	AS	NFA
BLOOD BANK OF THE ACCMA	6230	CLAREMONT AVE	OAKLAND	36	LT	0
DAVANZO, LORNA	6019	COLBY ST	OAKLAND	37	AS	NFA
WILLIAM BROWN REALTY	5353	COLLEGE AVE	OAKLAND	38	LR	0
WILLIAM BROWN REALTY	5353	COLLEGE AVE	OAKLAND	38	LT	0
WILLIAM BROWN REALTY	5353	COLLEGE AVE	OAKLAND	38	Cs	WCRBT
IMPAC PHOTO	5604	COLLEGE AVE	OAKLAND	39	AS	NFA
RYAN'S CUSTOM UPHOLSTERY	5711	COLLEGE AVE	OAKLAND	40	AS	NFA
CHEVRON	5800	COLLEGE AVE	OAKLAND	41	LR	5R
CHEVRON	5800	COLLEGE AVE	OAKLAND	41	LT	5R
CHEVRON	5800	COLLEGE AVE	OAKLAND	41	Cs	WCRBT
DRYER'S GRAND ICE CREAM	5929	COLLEGE AVE	OAKLAND	42	LR	3A
DRYER'S GRAND ICE CREAM	5929	COLLEGE AVE	OAKLAND	42	LT	3A
EXPOSURE	5940	COLLEGE AVE	OAKLAND	43	AS	NFA
SHELL	6039	COLLEGE AVE	OAKLAND	44	LR	3B
SHELL	6039	COLLEGE AVE	OAKLAND	44	LT	3B
DELLUCHI PROPERTY	14	GLEN AVE	OAKLAND	45	LT	3A
CHILDREN'S HOSPITAL		GROVE & 51ST ST	OAKLAND	46	AS	NFA
TALLEY COSMETICS	1831	HARMON ST	BERKELEY	47	AS	NFA
SHELL	230	W MAC ARTHUR BLVD	OAKLAND	48	LR	3B
SHELL	230	W MAC ARTHUR BLVD	OAKLAND	48	LT	3B
FITCH & ASSOCIATES	235	W MAC ARTHUR BLVD	OAKLAND	49	AS	NFA
KAISER MEDICAL CENTER	280	W MAC ARTHUR BLVD	OAKLAND	50	NT	
UNOCAL	411	W MAC ARTHUR BLVD	OAKLAND	51	LR	3B
UNOCAL	411	W MAC ARTHUR BLVD	OAKLAND	51	LT	3B
UNOCAL	411	W MAC ARTHUR BLVD	OAKLAND	51	Cs	WCRBT
ARCO	731	W MAC ARTHUR BLVD	OAKLAND	52	LR	5C
ARCO	731	W MAC ARTHUR BLVD	OAKLAND	52	LT	5C
ARCO	731	W MAC ARTHUR BLVD	OAKLAND	52	Cs	WCRBT
OLIVIA RECORDS	4400	MARKET ST	OAKLAND	53	AS	NFA

ENVIRONMENTAL RECORDS SEARCH FOR 5101 TELEGRAPH AVE, OAKLAND

Job : RESN8401
Date: 10-03-1993

LOCATION	ADDRESS		CITY	MAP LOC	SOU-RCE	STATUS
DAMELE PROPERTY	4401	MARKET ST	OAKLAND	54	LR	0
DAMELE PROPERTY	4401	MARKET ST	OAKLAND	54	LT	0
CORVIT PHARMACEUTICALS	5780	MARKET ST	OAKLAND	55	AS	NFA
BP OIL	5425	MARTIN LUTHER KING JR WAY	OAKLAND	56	LR	3B
BP OIL	5425	MARTIN LUTHER KING JR WAY	OAKLAND	56	LT	3B
CHEVRON	5509	MARTIN LUTHER KING JR WAY	OAKLAND	57	LR	5C
CHEVRON	5509	MARTIN LUTHER KING JR WAY	OAKLAND	57	LT	5C
FIRE STATION #19	5776	MILES AVE	OAKLAND	58	LR	3B
FIRE STATION #19	5776	MILES AVE	OAKLAND	58	LT	3B
FIRE STATION #9	5776	MILES AVE	OAKLAND	58	Cs	WCRBT
FIRE STATION #19	5776	MILES AVE	OAKLAND	58	Cs	WCRBT
YOUNG'S FOOD & LIQUOR	4193	PIEDMONT AVE	OAKLAND	59	LR	0
YOUNG'S FOOD & LIQUOR	4193	PIEDMONT AVE	OAKLAND	59	LT	0
YOUNG	4193	PIEDMONT AVE	OAKLAND	59	Cs	WCRBT
LA MANCHA DEVELOPMENT COMPANY	4299	PIEDMONT AVE	OAKLAND	60	LR	0
LA MANCHA DEVELOPMENT COMPANY	4299	PIEDMONT AVE	OAKLAND	60	LT	0
4299 PIEDMONT AVE	4299	PIEDMONT AVE	OAKLAND	60	NT	
LA MANCHA DEVELOPMENT COMPANY	4299	PIEDMONT AVE	OAKLAND	60	Cs	WCRBT
UNKNOWN	4299	PIEDMONT AVE	OAKLAND	60	Cs	WCRBT
DIGITAL MICRO SYSTEMS	4448	PIEDMONT AVE	OAKLAND	61	AS	NFA
CHAPEL OF THE CHIMES	4499	PIEDMONT AVE	OAKLAND	62	AS	NFA
ARCO	5131	SHATTUCK AVE	OAKLAND	63	LR	3A
ARCO	5131	SHATTUCK AVE	OAKLAND	63	LT	3B
ARCO	5131	SHATTUCK AVE	OAKLAND	63	Cs	WCRBT
SHATTUCK IMPORTS	6562	SHATTUCK AVE	OAKLAND	64	LR	0
SHATTUCK IMPORTS	6562	SHATTUCK AVE	OAKLAND	64	LT	0
SHATTUCK IMPORTS	6562	SHATTUCK AVE	OAKLAND	64	Cs	WCRBT
ARCO		TELEGRAPH & ALCATRAZ AVE	OAKLAND	76	Cs	WCRBT
CALIFORNIA HIGHWAY PATROL OAKL	3601	TELEGRAPH AVE	OAKLAND	66	LR	0
CALIFORNIA HIGHWAY PATROL OAKL	3601	TELEGRAPH AVE	OAKLAND	66	LT	0
CALIFORNIA HIGHWAY PATROL OAKL	3601	TELEGRAPH AVE	OAKLAND	66	Cs	WCRBT
PAYLESS CLEANERS	3936	TELEGRAPH AVE	OAKLAND	67	AS	NFA
SIMAS BROS.	4013	TELEGRAPH AVE	OAKLAND	68	LR	0
SIMAS BROS.	4013	TELEGRAPH AVE	OAKLAND	68	LT	0
SIMAS BROS.	4013	TELEGRAPH AVE	OAKLAND	68	Cs	WCRBT
KELLEY AUTO PARTS	4400	TELEGRAPH AVE	OAKLAND	69	LR	3B
KELLEY AUTO PARTS	4400	TELEGRAPH AVE	OAKLAND	69	LT	3B
KELLEY AUTO PARTS	4400	TELEGRAPH AVE	OAKLAND	69	Cs	WCRBT
MARKS PAINT SPOT	5025	TELEGRAPH AVE	OAKLAND	70	AS	NFA
CHEVRON	5101	TELEGRAPH AVE	OAKLAND	71	LR	3B
CHEVRON	5101	TELEGRAPH AVE	OAKLAND	71	LT	3B
AUTOPRO	5200	TELEGRAPH AVE	OAKLAND	72	LR	3A
AUTOPRO	5200	TELEGRAPH AVE	OAKLAND	72	LT	3A
CHEVRON	5500	TELEGRAPH AVE	OAKLAND	73	LR	3B
CHEVRON	5500	TELEGRAPH AVE	OAKLAND	73	LT	3B

ENVIRONMENTAL RECORDS SEARCH FOR
5101 TELEGRAPH AVE, OAKLAND

Job : RESN8401
Date: 10-03-1993

LOCATION	ADDRESS		CITY	MAP LOC	SOU-RCE	STATUS
CHEVRON #338	5500	TELEGRAPH AVE	OAKLAND	73	Cs	WCRBT
THRIFTY OIL	6125	TELEGRAPH AVE	OAKLAND	74	LR	5R
THRIFTY OIL	6125	TELEGRAPH AVE	OAKLAND	74	LT	5R
THRIFTY OIL	6125	TELEGRAPH AVE	OAKLAND	74	Cs	WCRBT
GIVENS INVESTMENT COMPANY	6398	TELEGRAPH AVE	OAKLAND	75	LR	0
GIVENS INVESTMENT COMPANY	6398	TELEGRAPH AVE	OAKLAND	75	LT	0
GIVENS INVESTMENT COMPANY	6398	TELEGRAPH AVE	OAKLAND	75	Cs	WCRBT
ARCO	6407	TELEGRAPH AVE	OAKLAND	76	LR	5C
ARCO	6407	TELEGRAPH AVE	OAKLAND	76	LT	5C
ARCO	6407	TELEGRAPH AVE	OAKLAND	76	Cs	WCRBT
JAMES SLATON TRUCKING	5707	VICENTE ST	OAKLAND	77	AS	NFA
WHERE ENDS MEET	5926	WHITNEY ST	OAKLAND	78	AS	NFA
PACIFIC TYPOGRAPHIC	1094	YERBA BUENA AVE	EMERYVILLE	79	AS	NFA

OPERATING PERMITS SEARCH FOR
5101 TELEGRAPH AVE, OAKLAND

Job : RESN8401
Date: 10-03-1993

LOCATION	ADDRESS		CITY	MAP LOC	SOU-RCE	STATUS
W F BK/TRST/GEORGE & DORIS	490	43RD ST	OAKLAND	11	HW	1X
CITY OF OAKLAND	365	45TH ST	OAKLAND	80	HW	1X
PACIFIC BELL	479	45TH ST	OAKLAND	81	RN	
PACIFIC BELL (Q2-003)	479	45TH ST	OAKLAND	81	UT	
STATION D	51S	SHATTUCK	OAKLAND	83	UT	
CHILDRENS HOSPITAL MEDICAL CTR	747	52ND ST	OAKLAND	84	RN	
CHILDRENS HOSPITAL MEDICAL CTR	747	52ND ST	OAKLAND	84	HW	
BERRY BROS AUTO SERVICE	598	55TH ST	OAKLAND	85	HW	
BOTTO BROS., AUTOMOTIVE SERV	598	55TH ST	OAKLAND	85	UT	
OAKLAND HOUSING AUTHORITY	680	55TH ST	OAKLAND	86	HW	1X
BP OIL COMPANY	5425	GROVE ST	OAKLAND	56	HW	
MOBIL SERVICE STATION	5425	GROVE ST	OAKLAND	56	UT	
CHEVRON STATION #91583	5509	MARTIN LUTHER KING JR WAY	OAKLAND	57	HW	
91583	5509	MARTIN LUTHER KING JR WAY, # D	OAKLAND	57	UT	
SHATTUCK CAR WASH	4501	SHATTUCK AVE	OAKLAND	90	UT	
SHATTUCK CHEVRON CAR WASH	4501	SHATTUCK AVE	OAKLAND	90	UT	
JIN H KANG	5131	SHATTUCK AVE	OAKLAND	63	UT	
ENVIRONMENTAL QUALITECH	5720	SHATTUCK AVE	OAKLAND	91	HW	
ENVIRONMENTAL CONTROL INDUSTRI	5720	SHATTUCK AVE	OAKLAND	91	HW	
BANK OF AMERICA	4881	TELEGRAPH AVE	OAKLAND	93	HW	1X
93864	5101	TELEGRAPH AVE	OAKLAND	71	UT	
TUMA, GEORGE	5200	TELEGRAPH AVE	OAKLAND	72	HW	1X
90338	5500	TELEGRAPH AVE	OAKLAND	73	UT	

REFERENCED SOURCES

FEDERAL SOURCES

NL National Priority List (06/17/93)

CC Comprehensive Environmental Response, Compensation, and Liability System CERCLIS (06/17/93)
- NFA No Further Action

FF Federal Facilities (06/17/93)

ER Emergency Response Notification System (8/93)

RV RCRA Violators List (8/93)
- 1 - Land Disposal
- 2 - Incinerator
- 3 - Storage/Treatment
- 4 - Large Quantity Generator
- 5 - Transporter

LI Superfund Liens - LIENS (03/13/93)

CALIFORNIA STATE SOURCES

BP Annual Work Plan (formerly BEP) (01/31/93)
- AWP Active Annual Work Plan site
- BKLG Backlog, potential AWP site
- COM Certified, but in Operation & Maintenance mode
- CERT Certified, site has been remediated
- DLIST Delisted
- REFRC Former AWP site, referred to RCRA
- REFRW Former AWP site, referred to RWQCB

AS CALSITES (formerly ASPIS) (01/31/93)
- PEAR Preliminary Endangerment Assessment
- SSR Site Screening Required
- HRR Hazard Ranking Required
- PRPR Potential Responsible Party search Required
- NFA No Further Action
- EPA Federal EPA lead
- RCRA RECRA permitting program lead
- RWQC Regional Water Quality Board lead
- CNTY County lead
- OAL Other Agency lead

(Suffixes L,M or H indicates Low, Medium or High Priority)

CS Office of Planning and Research, State of California - CORTESE
- WCRBT Tank leaks.
- DHS1 Abandoned hazardous waste site.
- DHS2 Contaminated public drinking wells serving less than 200 connections.
- DHS3 Contaminated public drinking wells serving more than 200 connections.
- DHS5 Sites pusuant to section 25356 of the Health and Safety Code (see BEP)
- WMB Solid waste disposal sites with known migration of hazardous waste.

ST Solid Waste Assessment Test, California State - SWAT(S) (11/6/91)

Facilities or sites are ranked within each region on a scale 1-15 according to priority.

SS Solid Waste Information System - SWIS (7/93)

LT Leaking Underground Storage Tanks, California State - LUST(S) (May 93)
- 0 No action
- 1 Leak being confirmed
- 3A Prel site assessment workplan submitted
- 3B Prel site assessment underway
- 5C Pollution characterization
- 5R Remediation plan
- 7 Remedial action underway
- 8 Post remedial action monitoring
- 9 Case closed

REGIONAL SOURCES (updated quarterly)

LR Leaking Underground Storage Tanks, Regional - LUST(R)
- 0 No action
- 1 Leak being confirmed
- 3A Prel site assessment workplan submitted
- 3B Prel site assessment underway
- 5C Pollution characterization
- 5R Remediation plan
- 7 Remedial action underway
- 8 Post remedial action monitoring
- 9 Case closed

NT Non-Tank or Unauthorized Releases
- 1 Leak being confirmed
- 2 Spill Response
- 3 Preliminary Assessment
- 3A Prel Site Assessment plan submitted
- 3B Prel Site Assessment underway
- 5 Remedial Investigation
- 6A Remediation Plan Submitted
- 6B Remediation Underway
- 7 Post Remedial Monitoring
- 9 Case Closed

TP Toxic Pits, Regional

SR Solid Waste Assessment Test, Regional - SWAT(R)
Priority Ranking 1-15

WP Well Investigation Program
- 1A Organics exceeding action levels
- 1B Organics with set action levels
- 2 Inorganics exceeding action level

REFERENCED SOURCES

OPERATING PERMITS

HW Hazardous Waste Information System - HWIS (1989-1991)

EPA Permit number
1X - One time permit

UT Underground Storage Tank Permits (1975-1987)

Reference to tank permit

SA SARA Title III (1992)

ENVIRONMENTAL RECORDS SEARCH

LISTED BY SOURCE

,FR9;

INTRODUCTION

The following government sources have been searched for sites within one mile radius, unless otherwise stated, of the subject location.

BBL has used its best effort but makes no claims as to the completeness or accuracy of the referenced government sources or the completeness of the search. Our records are frequently updated but only as current as their publishing date and may not represent the entire field of known or potential hazardous waste or contaminated sites. To ensure complete coverage of the subject property and surrounding area, sites may be included in the list if there was any doubt as to the location because of discrepancies in map location, zip code, address, or other information in our sources.

FEDERAL SOURCES

NPL National Priority List

EPA has prioritized sites with significant risk to human health and the environment. These sites receive remedial funding under the Comprehensive Environmental Response Conservation and Liability Act (CERCLA).

No listings within the specified range.

CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS is a data base used by the EPA to track activities conducted under the Comprehensive Environmental Response, and Liability Act CERCLA (1980) and the amendment the Superfund A and Reauthorization Act, SARA (1986).

Sites to be included are identified primarily by the reporting requirements of hazardous substances Treatment, Storage and Disposal (TSD) facilities and releases larger than specific Reportable Quantaties (RQ), established by EPA.

Using the National Oil and Hazardous Substance Pollution Contingency Plan (National Contingency Plan) EPA set priorities for cleanup.

EPA rates National Contingency Plan sites according to a quantitive Hazard Ranking System (HRS) based on the potential health risk via any one or more potential pathways; ground-water, surface water, air, direct contact, and fire /explosion.

EPA and state agencies seek to identify potentially responsible parties (PRP) and ultimately

Responsible Parties (RP) who can be required to finance cleanup activities, either directly or through reimbursement of federal Superfund expenditures.

Status Codes: *NFA - No Further Action*

Site: GRANT LABORATORIES
Address: 6020 ADELINE ST
City: OAKLAND
Map Loc: 17
Status: *EPA ID#: CAD093982866*

No Further Action is planned.

FEDFAC Federal Facilities

As part of the CERCLA program, federal facilities with known or suspected environmental problems, Federal Facilities Hazardous Waste Compliance Docket, are tracked separately to comply with a Federal Court order.

No listings within the specified range.

ERNS Emergency Response Notification System

The ERNS is a national computer database used to store information on unathorized releases of oil and hazardous substances. The program is cooperative effort of the Environmental Protection Agency, the Department of Transportation Research and Special Program Administration's John Volpe National Transportation System Center and the National Response Center.

There are primarily five Federal statutes that require release reporting; the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) section 103, the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304, the Clean Water Act of 1972 (CWA) section 311, CWA section 311 (b)(3) and the Hazardous Material Transportation Act of 1974 (HMTA) section 1808(b).

No listings within the specified range.

LIENS Superfund Liens

A current list of Federal Superfund Liens as compiled by the Office of Enforcement and Compliance Monitoring (OECM), EPA, Washington, D.C. based upon information submitted by EPA's ten Regional Offices. The EPA and the OECM make no representations regarding the accuracy or completeness of the list.

No listings within the specified range.

RCRA RCRA Violators List

The Resurce Conservation and Recovery Act of 1976 provides for "cradle to grave" regulation of hazardous wastes. RCRA requires regulation of hazardous waste generators, transporters, and storage/treatment/disposal sites. Evaluation to potential violation, ranging from manifest requirements to hazardous waste discharges, is typically conducted by the US EPA.

If enforcement is required, it is typically delegated to a State agency.

1 - Land Disposal
2 - Incinerator
3 - Storage/Treatment
4 - Large Quantity Generator
5 - Transporter

No listings within the specified range.

CALIFORNIA STATE SOURCES

AW Annual Work Plan (previously known as Bond Expenditure Plan)

The California Health and Safety code, as amended by AB 129, requires the California Environmental Protection Agency to develop a site-specific expenditure plan as the basis for an appropriation of California Hazardous Substance Cleanup Bond Act of 1984 funds.

The Agency is also required to update the report annually and report any significant adjustments to the Legislature on an ongoing basis. The plan identifies California hazardous waste sites targeted for cleanup by responsible parties, the California and the Federal Environmental Protection Agencies over the next five years.

Status Codes:	BKLG	Backlog, Potential Annual Work Plan Site
	AWP	Active Annual Work Plan site
	COM	Certified, but still in Operation & Maintenence mode
	CERT	Certified after remediation
	DLIST	Delisted from the AWP
	REFRC	Former AWP site referred to RCRA
	REFRW	Former AWP site referred to the Regional Water Quality Board

Site: L-M PLATING
Address: 920 54TH ST
City: OAKLAND
Map Loc: 14
Status: *CERT - Certified, the site has been remediated*

CALS CALSITES (previously known as The Abandoned Sites Program Information System ASPIS)

The Historical Abandoned Site Survey Program identified certain potential hazardous waste sites. These sites determinations were generally not made via sampling and site characterization. They were made as a result or file searches and windshield surveys. Some of the sites may have had a site inspection with sampling.

The information has been compiled into this database by California Environmental Protection Agency, Department of Toxic Substance Control (DTSC) in accordance with Section 253596 of the California Health and Safety Code.

Status Codes:	*PEARL*	*Preliminary Endangerment Assessment Required, Low Priority*
	PEARM	*Preliminary Endangerment Assessment Required, Medium Priority*
	PEARH	*Preliminary Endangerment Assessment Required, High Priority*
	SSR	*Site Screening Required*
	HRR	*Hazard Ranking Required*
	PRPR	*Potential Responsible Party Search Required*
	NFA	*No Further Action for DTSC*
	EPA	*EPA is the lead agency*
	RCRA	*Mitigated under the RCRA permitting program*
	RWQCB	*Mitigated under the lead of the Regional Water Quality Board.*
	CNTY	*County Lead*
	OAL	*Other Agency Lead*

Site: R J S ENTERPRISES
Address: 675 37TH ST
City: OAKLAND
Map Loc: 1
Status: *NFA - No Further Action for DTSC*

Site: CALIFORNIA SURGERY CENTER AND
Address: 390 40TH ST
City: OAKLAND
Map Loc: 4
Status: *NFA - No Further Action for DTSC*

Site: FLECTO INTERNATIONAL
Address: 1000 45TH ST
City: OAKLAND
Map Loc: 12
Status: *NFA - No Further Action for DTSC*

Site: AMERICAN UNICORN
Address: 3165 ADELINE ST
City: BERKELEY
Map Loc: 15
Status: *NFA - No Further Action for DTSC*

Site: GRANT LABORATORIES INC
Address: 6020 ADELINE ST
City: OAKLAND
Map Loc: 17
Status: *NFA - No Further Action for DTSC*

Site: TOP LINE FIXTURES
Address: AILEEN ST
City: OAKLAND
Status: *NFA - No Further Action for DTSC*

Site: SIERRA SOUND LABS
Address: 1741 ALCATRAZ AVE
City: BERKELEY
Map Loc: 18
Status: *NFA - No Further Action for DTSC*

Site: EUUELL BATES CLEANERS
Address: 1805 ALCATRAZ AVE
City: BERKELEY
Map Loc: 19
Status: *NFA - No Further Action for DTSC*

Site: PHOTO LAB
Address: 1908 ALCATRAZ AVE
City: BERKELEY
Map Loc: 20
Status: *NFA - No Further Action for DTSC*

Site: RICHMOND CYTOLOGY LAB
Address: 3505 BROADWAY, SUITE '1202
City: OAKLAND
Map Loc: 21
Status: *NFA - No Further Action for DTSC*

Site: SHIELDS, HARPER & COMPANY
Address: 5107 BROADWAY
City: OAKLAND
Map Loc: 29
Status: *NFA - No Further Action for DTSC*

Site: CLARKS REFINISHING
Address: 5200 CLAREMONT AVE
City: OAKLAND
Map Loc: 33
Status: *NFA - No Further Action for DTSC*

Site: KAPS
Address: 5301 CLAREMONT AVE
City: OAKLAND
Map Loc: 34
Status: *NFA - No Further Action for DTSC*

Site: WILD FLOWER & COMPANY
Address: 5400 CLAREMONT AVE
City: OAKLAND
Map Loc: 35
Status: *NFA - No Further Action for DTSC*

Site: DAVANZO, LORNA
Address: 6019 COLBY ST
City: OAKLAND
Map Loc: 37
Status: *NFA - No Further Action for DTSC*

Site: IMPAC PHOTO
Address: 5604 COLLEGE AVE
City: OAKLAND
Map Loc: 39
Status: *NFA - No Further Action for DTSC*

Site: RYAN'S CUSTOM UPHOLSTERY
Address: 5711 COLLEGE AVE
City: OAKLAND
Map Loc: 40
Status: *NFA - No Further Action for DTSC*

Site: EXPOSURE
Address: 5940 COLLEGE AVE
City: OAKLAND
Map Loc: 43
Status: *NFA - No Further Action for DTSC*

Site: CHILDREN'S HOSPITAL
Address: GROVE & 51ST ST
City: OAKLAND
Map Loc: 46
Status: *NFA - No Further Action for DTSC*

Site: TALLEY COSMETICS
Address: 1831 HARMON ST
City: BERKELEY
Map Loc: 47
Status: *NFA - No Further Action for DTSC*

Site: FITCH & ASSOCIATES
Address: 235 W MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 49
Status: *NFA - No Further Action for DTSC*

Site: OLIVIA RECORDS
Address: 4400 MARKET ST
City: OAKLAND
Map Loc: 53
Status: *NFA - No Further Action for DTSC*

Site: CORVIT PHARMACEUTICALS
Address: 5780 MARKET ST
City: OAKLAND
Map Loc: 55
Status: *NFA - No Further Action for DTSC*

Site: DIGITAL MICRO SYSTEMS
Address: 4448 PIEDMONT AVE
City: OAKLAND
Map Loc: 61
Status: *NFA - No Further Action for DTSC*

Site: CHAPEL OF THE CHIMES
Address: 4499 PIEDMONT AVE
City: OAKLAND
Map Loc: 62
Status: *NFA - No Further Action for DTSC*

Site: PAYLESS CLEANERS
Address: 3936 TELEGRAPH AVE
City: OAKLAND
Map Loc: 67
Status: *NFA - No Further Action for DTSC*

Site: MARKS PAINT SPOT
Address: 5025 TELEGRAPH AVE
City: OAKLAND
Map Loc: 70
Status: *NFA - No Further Action for DTSC*

Site: JAMES SLATON TRUCKING
Address: 5707 VICENTE ST
City: OAKLAND
Map Loc: 77
Status: *NFA - No Further Action for DTSC*

Site: WHERE ENDS MEET
Address: 5926 WHITNEY ST
City: OAKLAND
Map Loc: 78
Status: *NFA - No Further Action for DTSC*

Site: PACIFIC TYPOGRAPHIC
Address: 1094 YERBA BUENA AVE
City: EMERYVILLE
Map Loc: 79
Status: *NFA - No Further Action for DTSC*

CORTESE State of California Office of Planning and Research

This database is a consolidation of information from various sources. It is maintained by the State Office of Planning and Research and lists potential and confirmed hazardous waste or substances sites. This source was last updated by the government in November 1990.

Status Codes:

WRCBT	*Tank leaks. Compiled by Water Resource Control Board.*
DHS1	*Abandoned hazardous waste site. Compiled by Toxic Substance Control Div. of DHS.*
DHS2	*Contaminated public water drinking wells serving less than 200 connections. Compiled by Env. Health Div. of DHS.*
DHS3	*Contaminated public water drinking wells serving more than 200 connections.*
DHS5	*Sites pusuant to section 25356 of the Health and Safety Code (see BEP)*

CWMB Solid waste disposal sites with known migration of hazardous waste.

Site: R.D. MINER CO.
Address: 750 37TH ST
City: OAKLAND
Map Loc: 2
Status: *WCRBT - Leaking Tank*

Site: SHELL
Address: 500 40TH ST
City: OAKLAND
Map Loc: 5
Status: *WCRBT - Leaking Tank*

Site: CALIFORNIA LINEN RENTAL
Address: 989 41ST ST
City: OAKLAND
Map Loc: 7
Status: *WCRBT - Leaking Tank*

Site: DUNNE QUALITY PAINTS
Address: 1007 41ST ST
City: OAKLAND
Map Loc: 9
Status: *WCRBT - Leaking Tank*

Site: OAKLAND NATIONAL ENGRAVING
Address: 1001 42ND ST
City: OAKLAND
Map Loc: 10
Status: *WCRBT - Leaking Tank*

Site: KAISER FOUNDATION HEALTH PLAN
Address: 3505 BROADWAY
City: OAKLAND
Map Loc: 21
Status: *WCRBT - Leaking Tank*

Site: CHEVRON
Address: 3701 BROADWAY
City: OAKLAND
Map Loc: 22
Status: *WCRBT - Leaking Tank*

Site: UNOCAL
Address: 3943 BROADWAY
City: OAKLAND
Map Loc: 26
Status: *WCRBT - Leaking Tank*

Site: 7-ELEVEN
Address: 4100 BROADWAY
City: OAKLAND
Map Loc: 27
Status: *WCRBT - Leaking Tank*

Site: SHELL
Address: 5755 BROADWAY
City: OAKLAND
Map Loc: 32
Status: *WCRBT - Leaking Tank*

Site: WILLIAM BROWN REALTY
Address: 5353 COLLEGE AVE
City: OAKLAND
Map Loc: 38
Status: *WCRBT - Leaking Tank*

Site: CHEVRON
Address: 5800 COLLEGE AVE
City: OAKLAND
Map Loc: 41
Status: *WCRBT - Leaking Tank*

Site: UNOCAL
Address: 411 W MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 51
Status: *WCRBT - Leaking Tank*

Site: ARCO
Address: 731 W MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 52
Status: *WCRBT - Leaking Tank*

Site: FIRE STATION #9
Address: 5776 MILES AVE
City: OAKLAND
Map Loc: 58
Status: *WCRBT - Leaking Tank*

Site: FIRE STATION #19
Address: 5776 MILES AVE
City: OAKLAND
Map Loc: 58
Status: *WCRBT - Leaking Tank*

Site: YOUNG
Address: 4193 PIEDMONT AVE
City: OAKLAND
Map Loc: 59
Status: *WCRBT - Leaking Tank*

Site: LA MANCHA DEVELOPMENT COMPANY
Address: 4299 PIEDMONT AVE
City: OAKLAND
Map Loc: 60
Status: *WCRBT - Leaking Tank*

Site: UNKNOWN
Address: 4299 PIEDMONT AVE
City: OAKLAND
Map Loc: 60
Status: *WCRBT - Leaking Tank*

Site: ARCO
Address: 5131 SHATTUCK AVE
City: OAKLAND
Map Loc: 63
Status: *WCRBT - Leaking Tank*

Site: SHATTUCK IMPORTS
Address: 6562 SHATTUCK AVE
City: OAKLAND
Map Loc: 64
Status: *WCRBT - Leaking Tank*

Site: ARCO
Address: TELEGRAPH & ALCATRAZ AVE
City: OAKLAND
Map Loc: 76
Status: *WCRBT - Leaking Tank*

Site: CALIFORNIA HIGHWAY PATROL OAKL
Address: 3601 TELEGRAPH AVE
City: OAKLAND
Map Loc: 66
Status: *WCRBT - Leaking Tank*

Site: SIMAS BROS.
Address: 4013 TELEGRAPH AVE
City: OAKLAND
Map Loc: 68
Status: *WCRBT - Leaking Tank*

Site: KELLEY AUTO PARTS
Address: 4400 TELEGRAPH AVE
City: OAKLAND
Map Loc: 69
Status: *WCRBT - Leaking Tank*

Site: CHEVRON #338
Address: 5500 TELEGRAPH AVE
City: OAKLAND
Map Loc: 73
Status: *WCRBT - Leaking Tank*

Site: THRIFTY OIL
Address: 6125 TELEGRAPH AVE
City: OAKLAND
Map Loc: 74
Status: *WCRBT - Leaking Tank*

Site: GIVENS INVESTMENT COMPANY
Address: 6398 TELEGRAPH AVE
City: OAKLAND
Map Loc: 75
Status: *WCRBT - Leaking Tank*

Site: ARCO
Address: 6407 TELEGRAPH AVE
City: OAKLAND
Map Loc: 76
Status: *WCRBT - Leaking Tank*

LUST(S) Leaking Underground Storage Tanks - California State

The Leaking Underground Storage Tanks Information System is maintained by the State Water Resource Board pursuant to Section 25295 of the Health and Safety Code.

Status Codes:	*0*	*No action*
	1	*Leak being confirmed*
	3A	*Prel site assessment workplan submitted*
	3B	*Prel site assessment underway*
	5C	*Pollution characterization*
	5R	*Remediation plan*
	7	*Remedial action underway*
	8	*Post remedial action monitoring*
	9	*Case closed*

Site: R.D. MINER CO.
Address: 750 37TH ST
City: OAKLAND
Map Loc: 2
Status: *0 - No Action Taken.*

Site: SHELL
Address: 500 40TH ST
City: OAKLAND
Map Loc: 5
Status: *5R - Remediation Plan submitted.*

Site: STERN PROPERTY CO
Address: 175 41ST ST
City: OAKLAND
Map Loc: 6
Status: *0 - No Action Taken.*

Site: CALIFORNIA LINEN RENTAL
Address: 989 41ST ST
City: OAKLAND
Map Loc: 7
Status: *3B - Prelim Site Assessment underway.*

Site: BOYSEN PAINT
Address: 1001 41ST ST
City: EMERYVILLE
Map Loc: 8
Status: *3A - Prelim Site Assessment workplan submitted.*

Site: DUNNE QUALITY PAINTS
Address: 1007 41ST ST
City: OAKLAND
Map Loc: 9
Status: *3B - Prelim Site Assessment underway.*

Site: BLUMERT COMPANY
Address: 490 43RD ST
City: OAKLAND
Map Loc: 11
Status: *0 - No Action Taken.*

Site: UNKNOWN
Address: 5829 ADELINE ST
City: OAKLAND
Map Loc: 16
Status: *0 - No Action Taken.*

Site: KAISER FOUNDATION HEALTH PLAN
Address: 3505 BROADWAY
City: OAKLAND
Map Loc: 21
Status: *3B - Prelim Site Assessment underway.*

Site: CHEVRON
Address: 3701 BROADWAY
City: OAKLAND
Map Loc: 22
Status: *5C - Pollution characterization.*

Site: VAL STROUGH HONDA
Address: 3737 BROADWAY
City: OAKLAND
Map Loc: 23
Status: *0 - No Action Taken.*

Site: FIRESTONE & RUBBER COMPANY
Address: 3785 BROADWAY
City: OAKLAND
Map Loc: 24
Status: *0 - No Action Taken.*

Site: PRECISION TUNE
Address: 3810 BROADWAY
City: OAKLAND
Map Loc: 25
Status: *3B - Prelim Site Assessment underway.*

Site: UNOCAL
Address: 3943 BROADWAY
City: OAKLAND
Map Loc: 26
Status: *5C - Pollution characterization.*

Site: 7-ELEVEN
Address: 4100 BROADWAY
City: OAKLAND
Map Loc: 27
Status: *3B - Prelim Site Assessment underway.*

Site: FIVE C GROUP
Address: 4101 BROADWAY
City: OAKLAND
Map Loc: 28
Status: *0 - No Action Taken.*

Site: MEHDIZADEH PROPERTY
Address: 5175 BROADWAY
City: OAKLAND
Map Loc: 30
Status: *5C - Pollution characterization.*

Site: UNOCAL
Address: 5300 BROADWAY
City: OAKLAND
Map Loc: 31
Status: *3B - Prelim Site Assessment underway.*

Site: BLOOD BANK OF THE ACCMA
Address: 6230 CLAREMONT AVE
City: OAKLAND
Map Loc: 36
Status: *0 - No Action Taken.*

Site: WILLIAM BROWN REALTY
Address: 5353 COLLEGE AVE
City: OAKLAND
Map Loc: 38
Status: *0 - No Action Taken.*

Site: CHEVRON
Address: 5800 COLLEGE AVE
City: OAKLAND
Map Loc: 41
Status: *5R - Remediation Plan submitted.*

Site: DRYER'S GRAND ICE CREAM
Address: 5929 COLLEGE AVE
City: OAKLAND
Map Loc: 42
Status: *3A - Prelim Site Assessment workplan submitted.*

Site: SHELL
Address: 6039 COLLEGE AVE
City: OAKLAND
Map Loc: 44
Status: *3B - Prelim Site Assessment underway.*

Site: DELLUCHI PROPERTY
Address: 14 GLEN AVE
City: OAKLAND
Map Loc: 45
Status: *3A - Prelim Site Assessment workplan submitted.*

Site: SHELL
Address: 230 W MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 48
Status: *3B - Prelim Site Assessment underway.*

Site: UNOCAL
Address: 411 W MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 51
Status: *3B - Prelim Site Assessment underway.*

Site: ARCO
Address: 731 W MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 52
Status: *5C - Pollution characterization.*

Site: DAMELE PROPERTY
Address: 4401 MARKET ST
City: OAKLAND
Map Loc: 54
Status: *0 - No Action Taken.*

Site: BP OIL
Address: 5425 MARTIN LUTHER KING JR WAY
City: OAKLAND
Map Loc: 56
Status: *3B - Prelim Site Assessment underway.*

Site: CHEVRON
Address: 5509 MARTIN LUTHER KING JR WAY
City: OAKLAND
Map Loc: 57
Status: *5C - Pollution characterization.*

Site: FIRE STATION #19
Address: 5776 MILES AVE
City: OAKLAND
Map Loc: 58
Status: *3B - Prelim Site Assessment underway.*

Site: YOUNG'S FOOD & LIQUOR
Address: 4193 PIEDMONT AVE
City: OAKLAND
Map Loc: 59
Status: *0 - No Action Taken.*

Site: LA MANCHA DEVELOPMENT COMPANY
Address: 4299 PIEDMONT AVE
City: OAKLAND
Map Loc: 60
Status: *0 - No Action Taken.*

Site: ARCO
Address: 5131 SHATTUCK AVE
City: OAKLAND
Map Loc: 63
Status: *3B - Prelim Site Assessment underway.*

Site: SHATTUCK IMPORTS
Address: 6562 SHATTUCK AVE
City: OAKLAND
Map Loc: 64
Status: *0 - No Action Taken.*

Site: CALIFORNIA HIGHWAY PATROL OAKL
Address: 3601 TELEGRAPH AVE
City: OAKLAND
Map Loc: 66
Status: *0 - No Action Taken.*

Site: SIMAS BROS.
Address: 4013 TELEGRAPH AVE
City: OAKLAND
Map Loc: 68
Status: *0 - No Action Taken.*

Site: KELLEY AUTO PARTS
Address: 4400 TELEGRAPH AVE
City: OAKLAND
Map Loc: 69
Status: *3B - Prelim Site Assessment underway.*

Site: CHEVRON
Address: 5101 TELEGRAPH AVE
City: OAKLAND
Map Loc: 71
Status: *3B - Prelim Site Assessment underway.*

Site: AUTOPRO
Address: 5200 TELEGRAPH AVE
City: OAKLAND
Map Loc: 72
Status: *3A - Prelim Site Assessment workplan submitted.*

Site: CHEVRON
Address: 5500 TELEGRAPH AVE
City: OAKLAND
Map Loc: 73
Status: *3B - Prelim Site Assessment underway.*

Site: THRIFTY OIL
Address: 6125 TELEGRAPH AVE
City: OAKLAND
Map Loc: 74
Status: *5R - Remediation Plan submitted.*

Site: GIVENS INVESTMENT COMPANY
Address: 6398 TELEGRAPH AVE
City: OAKLAND
Map Loc: 75
Status: *0 - No Action Taken.*

Site: ARCO
Address: 6407 TELEGRAPH AVE
City: OAKLAND
Map Loc: 76
Status: *5C - Pollution characterization.*

SWAT(S) Solid Waste Assessment Test - California State

This program, provided for under the Calderon legislation (Section 13273 of the Water Code), requires that disposal sites with more than 50,000 cubic yards of waste provide sufficient information to the regional water quality control board to determine whether or not the site has discharged hazardous substances which will impact the environment.

Site operators are required to file Solid Waste Assessment Test reports on a staggered basis. Operators of the 150 highest ranking (Rank 1) sites were required to submit Solid Waste Assessment Tests by July 1, 1987, Rank 2 in 1988 and so on.

Operators submit water quality tests to the Regional Water Quality Control Board, describing surface and groundwater quality and supply; and the geology within 1 mile of the site. Air quality tests are submitted to the local Air Quality Management District or Air Pollution Control District.

Status Codes: *Facilities or sites are ranked within each region on a scale 1-15 according to priority.*

No listings within the specified range.

SWIS Solid Waste Information System

As legislated under the Solid Waste Management and Resource Recovery Act of 1972, the California Waste Management Board maintains lists of certain facilities, i.e. Active solid waste disposal sites, Inactive or Closed solid waste disposal sites and Transfer facilities.

No listings within the specified range.

REGIONAL SOURCES

LUST(R) Leaking Underground Storage Tanks - Regional

Each of the California Regional Water Quality Control Boards RWQCB maintains lists of leaking underground storage tanks.

Status Codes:	*0*	*No action*
	1	*Leak being confirmed*
	3A	*Prel site assessment workplan submitted*
	3B	*Prel site assessment underway*
	5C	*Pollution characterization*
	5R	*Remediation plan*
	7	*Remedial action underway*
	8	*Post remedial action monitoring*
	9	*Case closed*

Site:	R.D. MINER CO.
Address:	750 37TH ST
City:	OAKLAND
Map Loc:	2
Status:	*0 - No Action Taken.*

Site:	SHELL
Address:	500 40TH ST
City:	OAKLAND
Map Loc:	5
Status:	*5R - Remediation Plan submitted.*

Site: CALIFORNIA LINEN RENTAL
Address: 989 41ST ST
City: OAKLAND
Map Loc: 7
Status: *3B - Prelim Site Assessment underway.*

Site: DUNNE QUALITY PAINTS
Address: 1007 41ST ST
City: OAKLAND
Map Loc: 9
Status: *3B - Prelim Site Assessment underway.*

Site: KAISER FOUNDATION HEALTH PLAN
Address: 3505 BROADWAY
City: OAKLAND
Map Loc: 21
Status: *3B - Prelim Site Assessment underway.*

Site: CHEVRON
Address: 3701 BROADWAY
City: OAKLAND
Map Loc: 22
Status: *5C - Pollution characterization.*

Site: FIRESTONE & RUBBER COMPANY
Address: 3785 BROADWAY
City: OAKLAND
Map Loc: 24
Status: *0 - No Action Taken.*

Site: PRECISION TUNE
Address: 3810 BROADWAY
City: OAKLAND
Map Loc: 25
Status: *3B - Prelim Site Assessment underway.*

Site: UNOCAL
Address: 3943 BROADWAY
City: OAKLAND
Map Loc: 26
Status: *5C - Pollution characterization.*

Site: 7-ELEVEN
Address: 4100 BROADWAY
City: OAKLAND
Map Loc: 27
Status: *3B - Prelim Site Assessment underway.*

Site: MEHDIZADEH PROPERTY
Address: 5175 BROADWAY
City: OAKLAND
Map Loc: 30
Status: *5C - Pollution characterization.*

Site: UNOCAL
Address: 5300 BROADWAY
City: OAKLAND
Map Loc: 31
Status: *3B - Prelim Site Assessment underway.*

Site: SHELL
Address: 5755 BROADWAY
City: OAKLAND
Map Loc: 32
Status: *3B - Prelim Site Assessment underway.*

Site: WILLIAM BROWN REALTY
Address: 5353 COLLEGE AVE
City: OAKLAND
Map Loc: 38
Status: *0 - No Action Taken.*

Site: CHEVRON
Address: 5800 COLLEGE AVE
City: OAKLAND
Map Loc: 41
Status: *5R - Remediation Plan submitted.*

Site: DRYER'S GRAND ICE CREAM
Address: 5929 COLLEGE AVE
City: OAKLAND
Map Loc: 42
Status: *3A - Prelim Site Assessment workplan submitted.*

Site: SHELL
Address: 6039 COLLEGE AVE
City: OAKLAND
Map Loc: 44
Status: *3B - Prelim Site Assessment underway.*

Site: SHELL
Address: 230 W MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 48
Status: *3B - Prelim Site Assessment underway.*

Site: UNOCAL
Address: 411 W MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 51
Status: *3B - Prelim Site Assessment underway.*

Site: ARCO
Address: 731 W MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 52
Status: *5C - Pollution characterization.*

Site: DAMELE PROPERTY
Address: 4401 MARKET ST
City: OAKLAND
Map Loc: 54
Status: *0 - No Action Taken.*

Site: BP OIL
Address: 5425 MARTIN LUTHER KING JR WAY
City: OAKLAND
Map Loc: 56
Status: *3B - Prelim Site Assessment underway.*

Site: CHEVRON
Address: 5509 MARTIN LUTHER KING JR WAY
City: OAKLAND
Map Loc: 57
Status: *5C - Pollution characterization.*

Site: FIRE STATION #19
Address: 5776 MILES AVE
City: OAKLAND
Map Loc: 58
Status: *3B - Prelim Site Assessment underway.*

Site: YOUNG'S FOOD & LIQUOR
Address: 4193 PIEDMONT AVE
City: OAKLAND
Map Loc: 59
Status: *0 - No Action Taken.*

Site: LA MANCHA DEVELOPMENT COMPANY
Address: 4299 PIEDMONT AVE
City: OAKLAND
Map Loc: 60
Status: *0 - No Action Taken.*

Site: ARCO
Address: 5131 SHATTUCK AVE
City: OAKLAND
Map Loc: 63
Status: *3A - Prelim Site Assessment workplan submitted.*

Site: SHATTUCK IMPORTS
Address: 6562 SHATTUCK AVE
City: OAKLAND
Map Loc: 64
Status: *0 - No Action Taken.*

Site: CALIFORNIA HIGHWAY PATROL OAKL
Address: 3601 TELEGRAPH AVE
City: OAKLAND
Map Loc: 66
Status: *0 - No Action Taken.*

Site: SIMAS BROS.
Address: 4013 TELEGRAPH AVE
City: OAKLAND
Map Loc: 68
Status: *0 - No Action Taken.*

Site: KELLEY AUTO PARTS
Address: 4400 TELEGRAPH AVE
City: OAKLAND
Map Loc: 69
Status: *3B - Prelim Site Assessment underway.*

Site: CHEVRON
Address: 5101 TELEGRAPH AVE
City: OAKLAND
Map Loc: 71
Status: *3B - Prelim Site Assessment underway.*

Site: AUTOPRO
Address: 5200 TELEGRAPH AVE
City: OAKLAND
Map Loc: 72
Status: *3A - Prelim Site Assessment workplan submitted.*

Site: CHEVRON
Address: 5500 TELEGRAPH AVE
City: OAKLAND
Map Loc: 73
Status: *3B - Prelim Site Assessment underway.*

Site: THRIFTY OIL
Address: 6125 TELEGRAPH AVE
City: OAKLAND
Map Loc: 74
Status: *5R - Remediation Plan submitted.*

Site: GIVENS INVESTMENT COMPANY
Address: 6398 TELEGRAPH AVE
City: OAKLAND
Map Loc: 75
Status: *0 - No Action Taken.*

Site: ARCO
Address: 6407 TELEGRAPH AVE
City: OAKLAND
Map Loc: 76
Status: *5C - Pollution characterization.*

NT Toxic Releases

The California Regional Water Quality Control Boards or local Department of Health Services keeps track of toxic releases to the environment. These lists are known as Unauthorized Releases, Non-Tank Releases, Toxics List or similar, depending on the local agency.

Site: KAISER HOSPITAL
Address: 38TH & BROADWAY
City: OAKLAND
Map Loc: 3
Status: -

Site: DUNN QUALITY PAINTS
Address: 1007 41ST ST
City: OAKLAND
Map Loc: 9
Status: -

Site: OAKLAND NATL ENGRAVING INC
Address: 1001 42ND ST
City: OAKLAND
Map Loc: 10
Status: -

Site: 1056 48TH ST
Address: 1056 48TH ST
City: EMERYVILLE
Map Loc: 13
Status: -

Site: KAISER MEDICAL CENTER
Address: 280 W MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 50
Status: -

Site: 4299 PIEDMONT AVE
Address: 4299 PIEDMONT AVE
City: OAKLAND
Map Loc: 60
Status: -

TPC Toxic Pits

The Toxic Pits Clean-Up Act (Katz Bill) places strict limitations on the discharge of liquid hazardous wastes into surface impoundments, toxic ponds, pits and lagoons. Regional Water Quality Control Boards are required to inspect all surface impoundments annully, In addition, every facility was required to file a Hydrogeological Assessment Report. Recent legislation allows the Department of Health Services to excempt facilities that closed on or before December 31, 1985, if a showing is made that no significant environmental risk remains (AB1046)

Special exemption provisions have been created for surface impoundments that receive mining wastes.

No listings within the specified range.

SWAT(R) Solid Waste Assessment Test - Regional

The Solid Waste Assessment Test Program targets sites where there is a possible risk of hazardous waste escaping from solid waste disposal sites (landfills), threatening both water and air quality. Threatening sites are required to submit water quality Solid Waste Assessment Tests to their Regional Water Quality Control Board. Air quality Solid Waste Assessment Tests are submitted to the local Air Quality Management District or Air Pollution Control District.

No listings within the specified range.

WIP Well Investigation Program

The Well Investigation Program (AB1803) identifies groundwater that is already contaminated and empowers the California Department of Health Services and local health officers to order ongoing monitoring programs. The focus of this program is to monitor

and protect drinking water.

No listings within the specified range.

OPERATING PERMITS

Various agencies issue operating permits or regulate the handling, movements, storage and disposal of hazardous materials and require mandatory reporting. The sources referenced below have been searched within half a mile of the subject site.

The inclusion in this section does not infer that an environmental problem exists presently or has in the past.

SARA SARA Title III, section 313

Title III of the Superfund Amendments and Reauthorization Act, Section 313, also known as Emergency Planning and Community Right-to-Know Act of 1986 requires owners or operators of facilities with more than 10 employees and are listed under Standard Industrial Classification (SIC) Codes 20 through 39 to report the manufacture, process or use of more than a threshold of certain chemical or chemical categories listed under section 313.

No listings within the specified range.

HWIS Hazardous Waste Information System

The Department of Health Services, Toxic Substance Division, California State, maintains a data base keeping track of the movement and disposal of hazardous waste. The data is used to support the Tanner legislation, AB 2948.

Status Codes: *EPA Facility Permit Number*

Site: W F BK/TRST/GEORGE & DORIS
Address: 490 43RD ST
City: OAKLAND
Map Loc: 11
Status: *EPA ID#: CAC000630192 1X*

Site: CITY OF OAKLAND
Address: 365 45TH ST
City: OAKLAND
Map Loc: 80
Status: *EPA ID#: CAC000160453 1X*

Site: CHILDRENS HOSPITAL MEDICAL CTR
Address: 747 52ND ST
City: OAKLAND
Map Loc: 84
Status: *EPA ID#: CAD982041832*

Site: BERRY BROS AUTO SERVICE
Address: 598 55TH ST
City: OAKLAND
Map Loc: 85
Status: *EPA ID#: CAL000009760*

Site: OAKLAND HOUSING AUTHORITY
Address: 680 55TH ST
City: OAKLAND
Map Loc: 86
Status: *EPA ID#: CAC000638128 1X*

Site: BP OIL COMPANY
Address: 5425 GROVE ST
City: OAKLAND
Map Loc: 56
Status: *EPA ID#: CAL000035351*

Site: CHEVRON STATION #91583
Address: 5509 MARTIN LUTHER KING JR WAY
City: OAKLAND
Map Loc: 57
Status: *EPA ID#: CAL000030016*

Site: ENVIRONMENTAL QUALITECH
Address: 5720 SHATTUCK AVE
City: OAKLAND
Map Loc: 91
Status: *EPA ID#: CAD980881106*

Site: ENVIRONMENTAL CONTROL INDUSTRI
Address: 5720 SHATTUCK AVE
City: OAKLAND
Map Loc: 91
Status: *EPA ID#: CAD981424989*

Site: BANK OF AMERICA
Address: 4881 TELEGRAPH AVE
City: OAKLAND
Map Loc: 93
Status: *EPA ID#: CAC000588056 1X*

Site: TUMA, GEORGE
Address: 5200 TELEGRAPH AVE
City: OAKLAND
Map Loc: 72
Status: *EPA ID#: CAC000544848 1X*

UST Permitted Underground Storage Tanks - State Water Quality Board

The Corteses Bill (AB2013), enacted in 1983, required registration of all underground storage tanks (UST) with the State Water Quality Board by July 1, 1984. About 176,000 tanks and surface impounds were registered between 1984 and 1987. An amendment (AB 1413) was passed in 1987, effectively removing the State Board from the registration proceess starting January 1, 1988. The data reflects the information collected by the state between 1984 and 1987 and includes all tanks and surface impounds in use or closed between 1974 and 1987.

Home and farm heating fuel tanks with capacities of 1,100 gallons or less and "structures such as sumps, separators, storm drains, catch basins, oil field gathering lines, refinery

pipelines, lagoons, evaporation ponds, well cellars, separation sumps, lined and unlined pits, sumps and lagoons" except those defined as UST under HSWA or may be regulated to protect water quality under the Porter-Cologne Water Quality Control Act.

Site: PACIFIC BELL (Q2-003)
Address: 479 45TH ST
City: OAKLAND
Map Loc: 81
Status: *Facility Type: sic 4800*
Permitted Tanks (00000057567):

Site: STATION D
Address: 51ST & SHATTUCK
City: OAKLAND
Map Loc: 83
Status: *Facility Type: utility*
Permitted Tanks (00000061669):

Site: BOTTO BROS., AUTOMOTIVE SERV
Address: 598 55TH ST
City: OAKLAND
Map Loc: 85
Status: *Facility Type: gas station*
Permitted Tanks (00000060279):

Site: MOBIL SERVICE STATION
Address: 5425 GROVE ST
City: OAKLAND
Map Loc: 56
Status: *Facility Type: gas station*
Permitted Tanks (00000039594):

Site: 91583
Address: 5509 MARTIN LUTHER KING JR WAY, # D
City: OAKLAND
Map Loc: 57
Status: *Facility Type: gas station*
Permitted Tanks (00000062089):

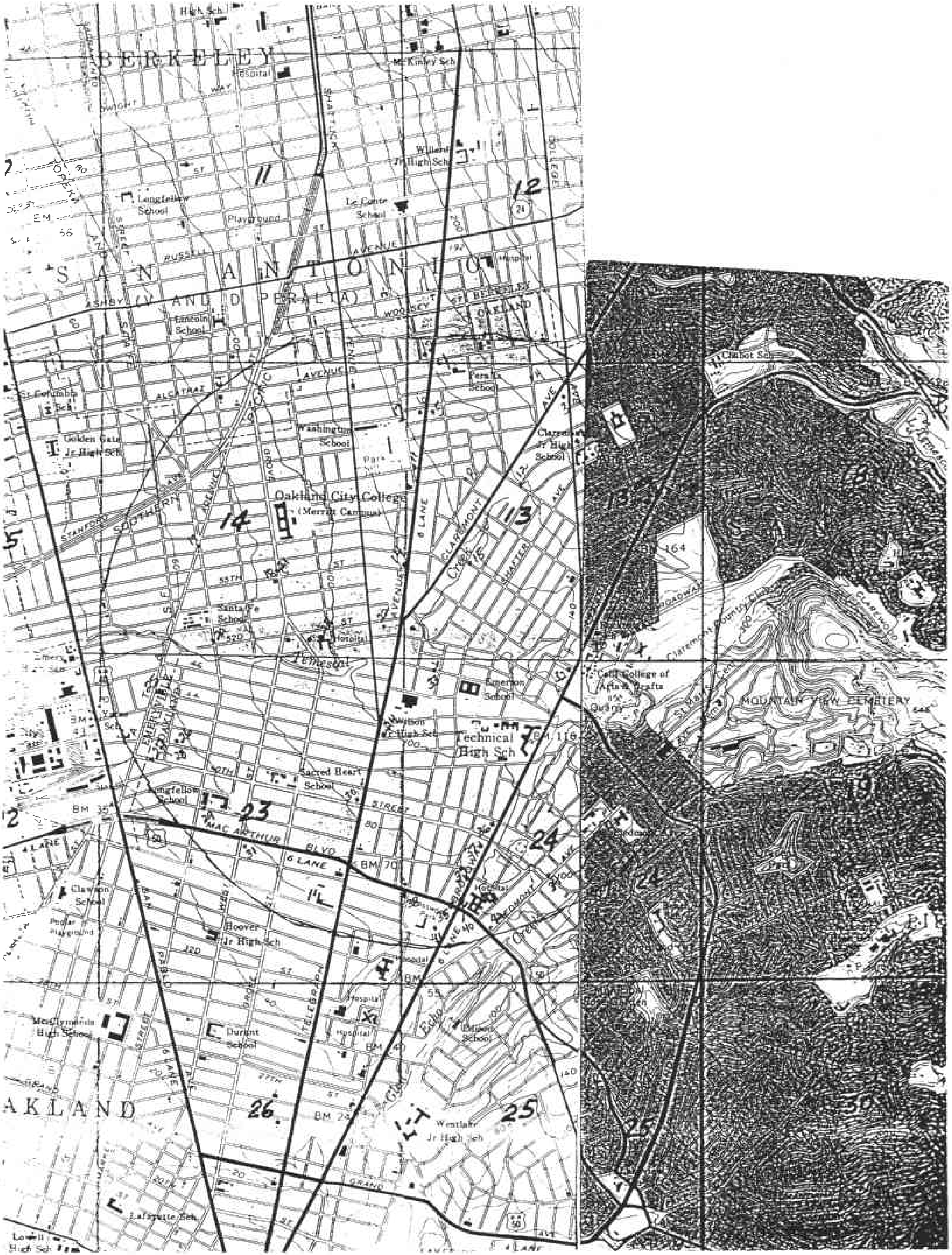
Site: SHATTUCK CAR WASH
Address: 4501 SHATTUCK AVE
City: OAKLAND
Map Loc: 90
Status: *Facility Type: gas station*
Permitted Tanks (00000019458):

Site: SHATTUCK CHEVRON CAR WASH
Address: 4501 SHATTUCK AVE
City: OAKLAND
Map Loc: 90
Status: *Facility Type: gas station*
Permitted Tanks (00000011702):

Site: JIN H KANG
Address: 5131 SHATTUCK AVE
City: OAKLAND
Map Loc: 63
Status: *Facility Type: gas station*
Permitted Tanks (00000027096):

Site: 93864
Address: 5101 TELEGRAPH AVE
City: OAKLAND
Map Loc: 71
Status: *Facility Type: gas station*
Permitted Tanks (00000062526):

Site: 90338
Address: 5500 TELEGRAPH AVE
City: OAKLAND
Map Loc: 73
Status: *Facility Type: gas station*
Permitted Tanks (00000061789):


BERKELEY
High Sch
McKinley Sch
Hospital
Willard Jr High Sch
Le Conte School
Longfellow School
Playground
SAN ANTONIO
ASHBY
(V AND D PERALTA)
Lincoln School
Peralta School
St Columba Sch
Golden Gate Jr High Sch
Washington School
Claremont Jr High School
Cabot Sch
Oakland City College (Merritt Campus)
Santa Fe School
Hospital
Temescal
Emerson School
Calif College of Arts & Crafts
Quarry
Claremont Country Club
MOUNTAIN VIEW CEMETERY
Technical High Sch
Sacred Heart School
Longfellow School
MAC ARTHUR BLVD
Clawson School
Hoover Jr High Sch
McClymonds High School
Durant School
Edison School
Westlake Jr High Sch
Lafayette Sch
Lowell High Sch
AKLAND
GRAND
11
12
13
14
15
23
24
25
26
30

Sheet 1 of 1

Inventory of Wells Located in Township 1S Range 4W Section 12, County Alameda

	Owner	Owner's Address	Well Location	Year Drilled	Use
1	Givens and Zweben	6407 Fairmount Avenue, El Cerrito	6392 Telegraph Ave c/o Alcatraz St Oakland	1988	Monitoring
x(1)2	ARCO Products Company	2000 Alameda, San Mateo	6407 Telegraph Ave, Oakland	1989	Monitoring
) 3	~~Shell Oil Company~~	~~1390 Willow Pass~~	~~6039 College Ave, Oakland~~		
		1S 4W	Section 13		
v) 3	Shell Oil Company	1390 Willow Pass Rd, Concord	6039 College Ave SW c/o Claremont	1989	Monitoring
4	Pacific Gas & Electric	4801 Oakport St, Oakland	62nd & Hillegass, 15' from Hillegass Center divider, 54' from 62nd Center divider	1975	Cathodic
v) 5	Arrow Products Co	515 S. Flower St, Los Angeles	6125 Telegraph, c/o 62nd		Monitoring
v) 6	Thrifty Oil Co.	10,000 Lakewood Blvd, Downey, CA	6125 Telegraph c/o 62nd SW corner	1989	Monitoring
v) 7	Chevron USA	2410 Camino Ramon, San Ramon	5800 College Ave c/o Birch	1990	Monitoring
8	Pacific Gas & Electric	4801 Oakport St. Oakland	Martin Street, 40' from corner of Herman	1974	↑Cathodic↗Destroyed
v) 7	Chevron USA	2410 Camino Ramon, San Ramon	5800 College Ave c/o Birch	1988	Monitoring
9	Fire Station 19, Oakland		c/o Miles & College	1989	(Monitoring, 2 Piezometers
v) 7	Chevron USA	2410 Camino Ramon, San Ramon	5800 College Ave c/o Birch	1990	Monitoring
10	PG & E	4801 Oakport St, Oakland	Lawton & Mendocino	1973	Cathodic
11	R.I. Chevy Creamery	5976 Telegraph Avenue, Oakland	same	1935	
w) 12	Foot of Oak Grove Avenue				
v) 13	Shell Oil Company	P.O. Box 4023, Concord	5755 Broadway c/o Taft	1989	Monitoring
v) 14	Chevron USA	PO Box 5004, San Ramon	5500 Telegraph, c/o 55th	1989	Monitoring
15	PG & E	4801 Oakport St	Clifton Avenue, between Claremont & Miles 159' from Miles		
v)	~~Ho Drum Corp~~	~~2000 Crow Canyon Place, San Ramon~~	~~5300 Broadway~~	1975	Cathodic
	Hotel Corp	2000 Crow Canyon Place San Ramon	5300 Broadway	1990	Monitoring

Inventory of Wells Located in Township 1S Range 4W Section 14, County Alameda

	Owner	Owner's Address	Well Location	Year Drilled	Use
17	PG&E	4801 Oakport Street, Oakland	62nd & Racine Oak	1977	Cathodic
2W) 18	BP Oil Company	2868 Prospect Park #360, Rancho Cordova	5425 Martin Luther King & 55th Street	1990	Monitoring
19	August Santos	17815 Trenton Drive, Castro Valley	5702 B Addeline St.	1977	Industrial
20	PG&E	4801 Oakport St, Oakland	On Market, 36' from NW corner of Market & 52nd	1974	Cathodic
V) 21	Chevron USA	2410 Camino Ramon, San Ramon	6' West of curb Martin Luther King Jr. and 200' N of 55th Ave (North Curb)	1990	Monitoring
V) 22	Pacific Rim Development	51st & Telegraph between Shattuck &	Telegraph same	1987	Monitoring
V) "	"	Oakland Shopping Center "	"	1987	"
23	Children's Hospital Med Ctr.	Martin Luther King between 51st & 52nd	Nursing Tower	1987	Exploritory Borin

Inventory of Wells Located in Township 1S Range 4W Section 23, County Alameda

	Owner	Owner's Address	Well Location	Year Drilled	Use
24	Wayne Kelley Kelley Auto Parts	4400 Telegraph	SW corner of 44th & Telegraph	1988	Monitoring
25	PG & E	4801 Oakport St, Oakland	44th St. 41' SE of Adeline	1973	Cathodic
26	California Linen	989 41st Street, Oakland	SE corner of Linden & 41st	1989	Monitoring
27	Toscani Bakery	899 40th Street		1928	
28	Milborn Property	4098 San Pablo Ave, Emeryville	1077 41st St. along west wall of shed	1991	
29	P & E	4801 Oakport St, Oakland	Market & Apgar, 61' from SE corner on Apgar	1974	Cathodic
30	Shell Oil Company		500 40th St NW corner of Telegraph & 40th	1982	Monitoring
	"		"	1990	Monitoring
31	APP Products Co.		731 MacArthur Blvd & West St. SE corner	1987	Monitoring
26	California Linen Supply	989 41st Street, Oakland	E corner of Linden & 41st	19--	

Inventory of Wells Located in Township 1S Range 4W Section 24, County Alameda

	Owner	Owner's Address	Well Location	Year Drilled	Use
32	Mohammad Mehdizadeh	150 Random Way, Pleasant Hill	Corner of Broadway & Coronado Ave	1990	Test Well
33	PG & E	4801 Oakport St.	SW corner 8' in from 49th & 62' in from Webster	1976	Cathodic
34	John Bond	4101 Howe Ave, Oakland	4082 Piedmont Ave	1979	?
35	Chevron USA	2 Annabel Ln. Suite 200, San Ramon	Median Strip on MacArthur Blvd about 50' from Broadway	1988	Monitoring
36	South Land Corporation		(7-11) 4100 Broadway	1986	Boring
37	Unocal Corp	2175 N. California Blvd, Walnut Creek	3943 Broadway (Corner of 40th & Broadway)	1990	Monitoring
38	Unocal Corp	" "	411 W. MacArthur Blvd SW corner	1989	Monitoring
39	Fire Stone Tire & Rubber	7857 Florence Ave, Ste 200, Downey	3785 Broadway 150' from Broadway	1991	Monitoring
40	Chevron USA	2 Annabel Ln, Suite 200, San Ramon	(Median Strip on Broadway 3701 MacArthur Blvd)	1988	Monitoring
41	Kaiser	3505 Broadway, Oakland	same 230 MacArthen	1990	Monitoring
42	Shell	1390 Willow Pass Rd., Concord	35' NW corner of Piedmont & MacArther	1989	Monitoring

COUNTY OF ALAMEDA
PUBLIC WORKS AGENCY
399 Elmhurst Street • Hayward, CA 94544-1395
(510) 670-5480

LETTER OF TRANSMITTAL

TO	RESNA
	3164 Gold Camp Dr
	Suite 200
	Rancho Cordova, CA 95670
	ATTENTION: Mary Anna Heavener

DATE: 17 Sept 93

JOB NO. _____

SUBJECT: Well data 1 mile radius vicinity of 51st and Telegraph, Oakland

TRANSMITTING THE FOLLOWING: ☑ Attached ☐ Under Separate Cover-Via _____

- ☐ Preliminary Plans
- ☐ Final Check Plans
- ☐ Construction Drawings
- ☐ Specifications
- ☐ Reports
- ☐ Cost Estimates
- ☐ Other _____

Copies	Sheets	Dated	Title/Description
1	1		Location Map
1	4		Well Log Explanation
1	3	17 Sept 93	Well Logs for 1S/4W 13,14,23,24
1	3	17 Sept 93	Corresponding Address Logs

- ☐ For Review and Comment
- ☑ As Requested
- ☐ For Approval
- ☐ For Your Information
- ☐ Other _____

REMARKS: _____

Signed Craig K. Johnson

FT: 6-86

COUNTY OF ALAMEDA
PUBLIC WORKS AGENCY
399 Elmhurst Street • Hayward, CA 94544-1395
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WELL INVENTORY FILE

Definitions and abbreviations for items listed in the well inventory file are as follows:

[**WELLNO**] Well number - Wells are numbered according to their location in the rectangular system of the Public Land Survey. The part of the number preceding the slash indicates the township; the part following the slash indicates the range and section number; the letter following the section number indicates the 40-acre subdivision; and the final digit is a serial number for wells in each 40-acre subdivision.

[**DAT**] Date - The month and year when drilling or boring was completed.

[**ELEV**] Surface elevation - The surface elevation of the well, if known, in feet above mean sea level. A zero designates an unknown elevation.

[**TD**] Total depth - The depth of the well. This usually designates the completed well depth. If the well has a well log available on file, then the total drilled depth of the well is given. The inventory does not show total depth data for geotechnical borings. This is because only one state well number is assigned to one boring at a site, and there are usually several borings of different depth.

[**DTW**] Depth to water - This category usually indicates the standing groundwater level in the well on the date of completion. The "depth to first water encountered" is recorded in the inventory when it is the only water level data reported on the well driller's report.

[**USE**] Use - The well use (or in the case of cathodic protection wells and geotechnical borings, the reason for the excavation) as indicated in the well driller's report or data sheets. A plus sign (+) after the well use indicates a well in the current ACFC & WCD monitoring network.

[**ABN**] Abandoned well - A well whose use has been permanently discontinued or which is in such a state of disrepair that no water can be produced. In the inventory, this may include wells which are covered or capped but not properly destroyed.

[**DES**] Destroyed well - A well that has been properly filled so that it cannot produce water nor act as a vertical conduit for the movement of groundwater.

[**DOM**] Domestic well - A water well which is used to supply water for the domestic needs of an individual residence or systems of four or less service connections or "hookups".

[INA] Inactive well - A well not routinely operating but capable of being made operable with a minimum of effort. Also called a "standby well".

[IND] Industrial well - A water well used to supply industry on an individual basis.

[IRR] Irrigation well - A water well used to supply water only for irrigation or other agricultural purposes. In the inventory, this category includes large capacity wells as well as small capacity wells for lawn irrigation.

[MON] Monitoring or observation well - Wells constructed for the purpose of observing or monitoring groundwater conditions. (see piezometer).

[MUN] Municipal well - A water well used to supply water for domestic purposes in systems subject to Chapter 7, Part 1, Division 5 of the California Health and Safety Code. Included are wells supplying public water systems classified by the Department of Health Services. (Also referred to as community water supply wells).

[PIE] Piezometer - A piezometer is a well specifically designated to measure the hydraulic head within a zone small enough to be considered a point as contrasted with a well that reflects the average head of the aquifer for the screened interval.

[STO] Stock - A water well used primarily for livestock.

[TES] Test well and test hole - A test well is constructed for the purpose of obtaining the information needed to design a well prior to its construction. Such wells are not to be confused with "test holes" which are temporary in nature (i.e., uncased excavations whose purpose is the immediate determination of existing geologic and hydrologic conditions). Test wells are cased and can be converted to observation or monitoring wells, and under certain circumstances, to production wells. In the inventory, "TES" includes both test wells and test holes.

[?] Unidentified use - This indicates water wells whose use could not be ascertained from the available well data.

[CAT] Cathodic protection well - Any artificial excavation constructed by any method for the purpose of installing equipment or facilities for the protection from corrosion by electrochemical methods of metallic equipment (usually piping) in contact with the ground; commonly referred to as cathodic protection.

[GEO] Geotechnical boring - A temporary boring made to determine certain engineering properties of soils. An asterisk (*) indicates that the state well number assigned to the boring represents more than one boring at a particular site.

[LOG] Log - This category indicates whether a geologic record, or log, for the well or boring is available in the Agency's files. Abbreviations are as follows:

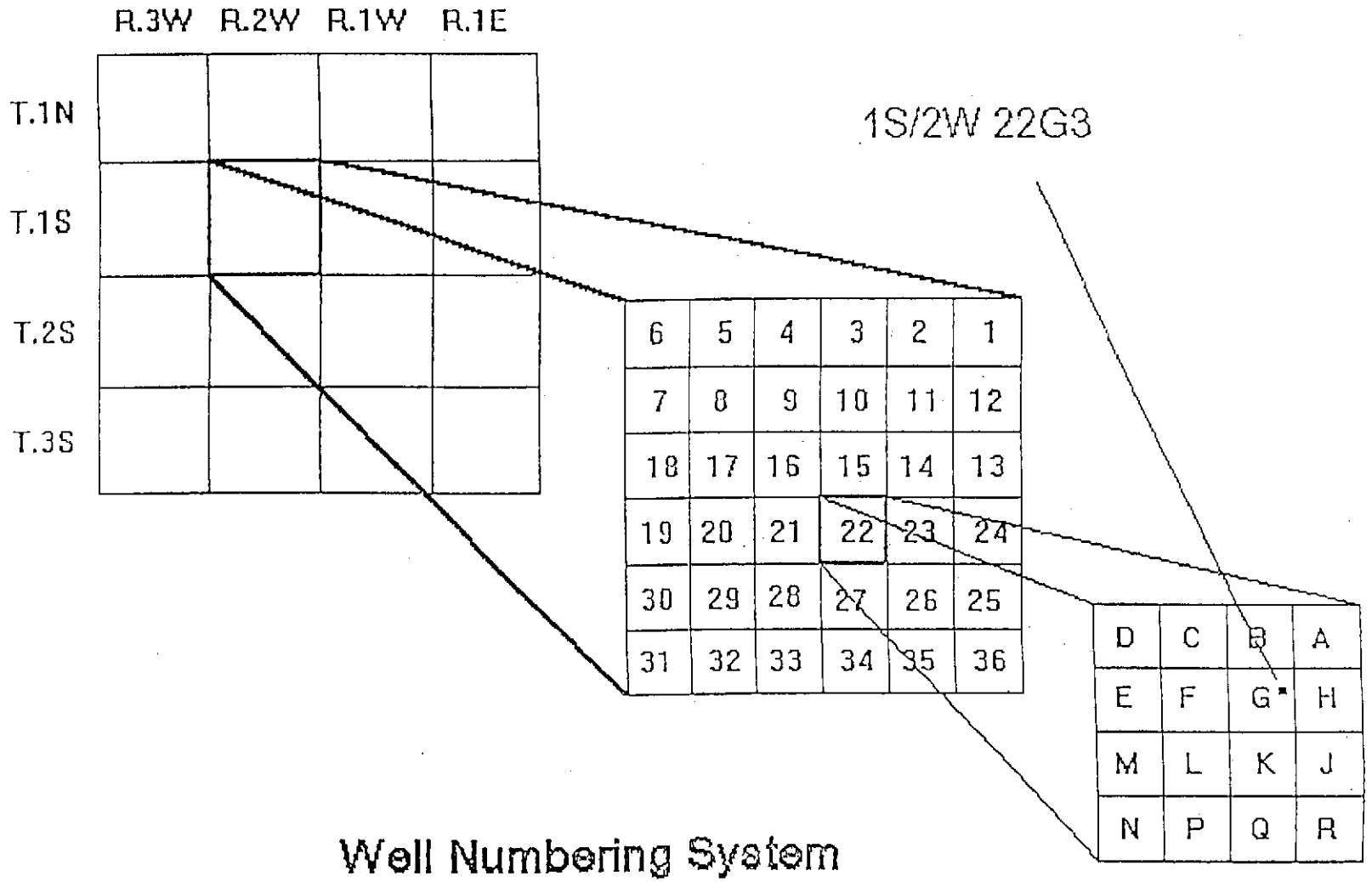
D - well driller's log
G - geotechnical boring log
E - electric (resistivity) log or other subsurface geophysical logs.

[WQ] Water quality data available - This category indicates which wells have water quality data available in ACFC & WCD files. The numbers 1 through 9 signify the number of sets of water quality measurements available for that well. A plus sign (+) indicates that 10 or more sets of data are available. A "0" indicates that no data is available.

[WL] Water level data available - This category indicates which wells have water level data other than the data reported on the well driller's logs. The numbers 1 through 9 signify the number of water level measurements available. A plus sign (+) indicates that 10 or more measurements are available for that well. A "0" indicates that no data is available.

[YLD] Yield - The maximum pumping rate in gallons per minute that can be supplied by a well without lowering the water level in the well below the pump intake. This data is taken from pump test data recorded in the driller's records. Some of the yield data reflects current production rates and does not reflect maximum yield values determined in a capacity test.

[DIA] Diameter - The diameter in inches of the main casing in a well. May also indicate the diameter of a hand-dug well. Diameter data is not recorded for geotechnical borings.



Well Numbering System

ALAMEDA COUNTY -- BAY PLAIN GROUNDWATER STUDY -- WELL INVENTORY REPORT

WELL NUMBER	DATE (MO/YR)	SURFACE ELEV. (FT)	TOTAL WELL DEPTH (FT)	DEPTH TO WATER (FT)	DTW (MSL)	WELL USE	LOG	WQ	WL	YIELD (GPM)	DIA. (IN)
1S/4W 13C 1	7/75	0	81	0	0	DES	D	0	0	0	0
1S/4W 13D 1	8/74	0	0	0	0	GEO*	G	0	0	0	0
1S/4W 13D 2	6/86	0	30	16	0	TES	D	0	0	0	2
1S/4W 13D 3	6/86	0	30	15	0	TES	D	0	0	0	2
1S/4W 13D 4	6/86	0	30	16	0	TES	D	0	0	0	2
1S/4W 13D 5	11/86	0	30	16	0	MON	G	0	0	0	4
1S/4W 13D 6	11/86	0	27	16	0	MON	G	0	0	0	4
1S/4W 13D 7	11/86	0	27	13	0	MON	G	0	0	0	4
1S/4W 13D 8	10/89	0	30	15	0	MON	X	0	0	0	6
1S/4W 13E 1	7/74	0	78	17	0	CAT	D	0	0	0	0
1S/4W 13G 1	12/88	0	32	15	0	MON	G	0	0	0	4
1S/4W 13G 1	07/89	0	0	0	0	DES	G	0	0	0	0
1S/4W 13G 2	12/88	0	32	15	0	MON	G	0	0	0	4
1S/4W 13G 2	07/89	0	0	0	0	DES	G	0	0	0	0
1S/4W 13G 3	12/88	0	33	15	0	MON	G	0	0	0	4
1S/4W 13G 3	07/89	0	0	0	0	DES	G	0	0	0	0
1S/4W 13G 4	12/88	0	32	23	0	MON	G	0	0	0	4
1S/4W 13G 4	07/89	0	0	0	0	DES	G	0	0	0	0
1S/4W 13G 5	12/88	0	29	23	0	MON	G	0	0	0	4
1S/4W 13G 5	07/89	0	0	0	0	DES	G	0	0	0	0
1S/4W 13G 6	04/89	100	28	18	0	PIE	G	0	0	0	0
1S/4W 13G 6	12/89	0	17	10	0	MON	X	0	0	0	4
1S/4W 13G 7	04/89	101	28	23	0	PIE	G	0	0	0	0
1S/4W 13G 7	12/89	0	17	10	0	MON	X	0	0	0	4
1S/4W 13G 8	04/89	99	33	18	0	MON	G	0	0	0	2
1S/4W 13G 8	8/90	179	28	16	163	MON	X	0	0	0	2
1S/4W 13G 9	8/90	181	34	28	153	MON	X	0	0	0	2
1S/4W 13H 1	12/73	0	120	0	0	CAT	D	0	0	0	0
1S/4W 13H 2	9/89	0	10	4	0	MON	X	0	0	0	4
1S/4W 13H 3	9/89	0	10	4	0	MON	X	0	0	0	4
1S/4W 13L 1	/00	0	60	11	0	ABN	?	0	1	0	0
1S/4W 13L 2	5/75	0	50	0	0	CAT	D	0	0	0	0
1S/4W 13M 1	?	0	75	5	0	DOM	?	0	1	0	8
1S/4W 13M 2	8/75	0	120	0	0	CAT	D	0	0	0	0
1S/4W 13M 3	11/89	0	30	13	0	MON	X	0	0	0	2
1S/4W 13M 4	11/89	0	29	13	0	MON	X	0	0	0	2
1S/4W 13M 5	11/89	0	29	13	0	MON	X	0	0	0	2
1S/4W 13N 1	?	0	85	9	0	ABN	?	0	1	0	10
1S/4W 13N 2	5/75	0	50	0	0	CAT	D	0	0	0	0
1S/4W 13Q 1	04/90	0	15	8	0	MON	X	0	0	0	2
1S/4W 13Q 2	04/90	0	19	10	0	MON	X	0	0	0	2
1S/4W 13Q 3	04/90	0	20	9	0	MON	X	0	0	0	2
1S/4W 14A 1	7/77	0	120	0	0	CAT	D	0	0	0	0
1S/4W 14J 1	?	0	40	0	0	IND	?	0	1	0	8
1S/4W 14L 1	8/77	0	92	12	0	IND	D	0	0	20	8
1S/4W 14P 1	4/74	0	120	8	0	CAT	D	0	0	0	0
1S/4W 14P 2	10/90	0	25	14	0	MON	X	0	0	0	2
1S/4W 14P 3	10/90	0	20	11	0	MON	X	0	0	0	2
1S/4W 14P 4	10/90	0	20	10	0	MON	X	0	0	0	2
1S/4W 14R	04/87	0	40	22	0	BOR	G	0	0	0	2
1S/4W 14R	12/87	94	51	19	43	BOR	G	0	0	0	0
1S/4W 14R 1	11/73	0	150	0	0	GEO	G	0	0	0	0
1S/4W 14R 2	04/87	0	31	17	0	MON	G	0	0	0	2

ALAMEDA COUNTY -- BAY PLAIN GROUNDWATER STUDY -- WELL INVENTORY REPORT

WELL NUMBER	DATE (MO/YR)	SURFACE ELEV. (FT)	TOTAL WELL DEPTH (FT)	DEPTH TO WATER (FT)	DTW (MSL)	WELL USE	LOG	WQ	WL	YIELD (GPM)	DIA. (IN)
1S/4W 14R 3	04/87	0	36	16	0	MON	G	0	0	0	2
1S/4W 23A 1	11/88	0	35	14	0	MON	G	0	0	0	2
1S/4W 23D 1	5/73	0	120	0	0	CAT	D	0	0	0	0
1S/4W 23D 2	9/89	54	22	8	46	MON	X	0	1	0	4
1S/4W 23D 3	9/89	54	23	9	45	MON	X	0	1	0	4
1S/4W 23D 4	9/89	53	22	7	46	MON	X	0	1	0	4
1S/4W 23E 1	/27	0	575	16	0	ABN	?	0	1	0	0
1S/4W 23F 1	4/74	0	120	11	0	CAT	D	0	0	0	0
1S/4W 23H	9/86	0	10	0	0	BOR	G	0	0	0	0
1S/4W 23H	9/86	0	10	0	0	BOR	G	0	0	0	0
1S/4W 23H	9/86	0	10	0	0	BOR	G	0	0	0	0
1S/4W 23H	9/86	0	10	0	0	BOR	G	0	0	0	0
1S/4W 23H	9/86	0	10	0	0	BOR	G	0	0	0	0
1S/4W 23H 1	02/89	0	20	15	0	MON	G	0	0	0	4
1S/4W 23H 2	05/89	0	19	15	0	MON	G	0	0	0	4
1S/4W 23H 3	05/89	0	16	13	0	MON	G	0	0	0	4
1S/4W 23H 4	09/89	0	20	0	0	MON	X	0	0	0	8
1S/4W 23H 5	06/90	0	44	19	0	MON	X	0	0	0	4
1S/4W 23H 6	06/90	0	44	23	0	MON	X	0	0	0	4
1S/4W 23K 1	12/87	0	40	10	0	MON	G	0	0	0	6
1S/4W 23K 2	12/87	0	30	11	0	MON	G	0	0	0	3
1S/4W 23K 3	12/87	0	30	10	0	MON	G	0	0	0	3
1S/4W 23K 4	12/87	0	30	10	0	MON	G	0	0	0	3
1S/4W 23M 1	/36	0	97	13	0	IND	?	0	2	0	0
1S/4W 23M 2	07/86	0	25	10	0	TES	D	0	0	0	2
1S/4W 23M 3	07/86	0	25	10	0	TES	D	0	0	0	2
1S/4W 23M 4	07/86	0	25	10	0	TES	D	0	0	0	2
1S/4W 23M 5	11/86	0	15	6	0	MON	G	0	0	0	4
1S/4W 23M 6	11/86	0	15	8	0	MON	G	0	0	0	2
1S/4W 23M 7	11/86	0	15	9	0	MON	G	0	0	0	2
1S/4W 23M 8	11/86	0	15	8	0	MON	G	0	0	0	4
1S/4W 23M 9	04/89	0	25	6	0	MON	G	0	0	0	4
1S/4W 23M10	04/89	0	19	6	0	MON	G	0	0	0	4
1S/4W 23M11	04/89	0	27	6	0	MON	G	0	0	0	4
1S/4W 23M12	04/89	0	25	6	0	MON	G	0	0	0	4
1S/4W 23M13	01/90	21	25	8	13	MON	X	0	0	0	4
1S/4W 23M14	01/90	22	20	8	14	MON	X	0	0	0	4
1S/4W 23M15	01/90	21	20	9	12	MON	X	0	0	0	4
1S/4W 23M16	01/90	21	20	7	14	MON	X	0	0	0	4
1S/4W 23M17	01/90	21	20	9	12	MON	X	0	0	0	4
1S/4W 23M18	10/89	0	25	9	0	MON	X	0	0	0	6
1S/4W 23N 1	/27	0	146	0	0	ABN	?	0	2	0	8
1S/4W 23R	06/88	0	30	14	0	BOR	G	0	0	0	0
1S/4W 23R	05/89	0	24	0	0	BOR	G	0	0	0	6
1S/4W 23R	05/89	0	24	23	0	BOR	G	0	0	0	6
1S/4W 23R	05/89	0	24	23	0	BOR	G	0	0	0	6
1S/4W 23R	03/89	0	0	0	0	BOR*	G	0	0	0	8
1S/4W 23R 1	3/75	0	0	0	0	GEO*	G	0	0	0	0
1S/4W 23R 2	4/74	0	345	0	0	GEO	G	0	0	0	0
1S/4W 23R 3	03/89	91	35	22	0	MON	G	0	0	0	2
1S/4W 23R 4	03/89	99	32	28	0	MON	G	0	0	0	2
1S/4W 23R 5	03/89	89	28	25	0	MON	G	0	0	0	2
1S/4W 23R 6	05/89	0	30	22	0	MON	G	0	0	0	2

ALAMEDA COUNTY -- BAY PLAIN GROUNDWATER STUDY -- WELL INVENTORY REPORT

WELL NUMBER	DATE (MO/YR)	SURFACE ELEV. (FT)	TOTAL WELL DEPTH (FT)	DEPTH TO WATER (FT)	DTW (MSL)	WELL USE	LOG	WQ	WL	YIELD (GPM)	DIA. (IN)
1S/4W 24B 1	04/90	0	23	10	0	TES	X	0	0	0	4
1S/4W 24B 2	04/90	0	23	22	0	TES	X	0	0	0	4
1S/4W 24B 3	04/90	0	27	12	0	TES	X	0	0	0	4
1S/4W 24D 1	5/75	0	53	25	0	CAT	D	0	0	0	0
1S/4W 24D 2	5/75	0	53	0	0	CAT	D	0	0	0	0
1S/4W 24D 3	2/76	0	120	0	0	CAT	D	0	0	0	0
1S/4W 24E 1	?	0	65	9	0	IRR	?	0	2	0	12
1S/4W 24E 2	5/75	0	50	0	0	CAT	D	0	0	0	0
1S/4W 24E 3	5/75	0	50	0	0	CAT	D	0	0	0	0
1S/4W 24E 4	9/77	0	0	0	0	DOM	?	0	0	0	4
1S/4W 24L	09/86	0	30	10	0	BOR	G	0	0	0	0
1S/4W 24L 1	/79	0	198	21	0	IRR	D	0	0	0	8
1S/4W 24L 2	01/90	0	20	11	0	MON	X	1	0	0	2
1S/4W 24L 3	01/90	0	20	12	0	MON	X	1	0	0	2
1S/4W 24L 4	10/89	0	20	11	0	MON	X	1	0	0	2
1S/4W 24L 5	10/89	0	20	13	0	MON	X	1	0	0	2
1S/4W 24L 6	10/89	0	23	12	0	MON	X	0	0	0	2
1S/4W 24M 1	9/89	0	29	19	0	MON	X	4	0	0	2
1S/4W 24M 2	9/89	0	29	19	0	MON	X	4	0	0	2
1S/4W 24M 3	9/89	0	29	19	0	MON	X	4	0	0	2
1S/4W 24M 4	9/89	0	29	19	0	MON	X	4	0	0	2
1S/4W 24N 1	04/88	0	35	15	0	MON	D	0	0	0	4
1S/4W 24N 2	04/88	0	30	16	0	MON	D	0	0	0	4
1S/4W 24N 3	10/89	98	27	22	76	MON	X	0	0	0	2
1S/4W 24N 4	11/89	97	24	20	77	MON	X	0	0	0	2
1S/4W 24N 5	11/89	96	22	16	80	MON	X	0	0	0	2
1S/4W 24N 6	04/90	0	35	0	0	MON	X	0	0	0	2
1S/4W 24N 8	11/90	0	41	40	0	MON	D	0	0	0	2
1S/4W 24N 9	11/90	0	21	0	0	MON	D	0	0	0	2
1S/4W 24N10	11/90	72	8	6	66	MON	D	0	0	0	2
1S/4W 24N11	11/90	82	21	20	62	MON	D	0	0	0	2
1S/4W 24N12	1/91	72	16	11	61	MON	D	0	0	0	2
1S/4W 24N13	1/91	72	10	6	66	MON	D	0	0	0	2
1S/4W 24P	4/86	75	20	13	62	BOR	G	0	0	0	0
1S/4W 24P	8/89	0	13	0	0	BOR*	X	0	0	0	8
1S/4W 24P	07/88	0	18	0	0	BOR	X	0	0	0	1
1S/4W 24P 1	4/86	75	15	12	0	MON	G	0	0	0	4
1S/4W 24P 2	4/86	75	15	12	0	MON	G	0	0	0	4
1S/4W 24P 3	4/86	75	15	12	0	MON	G	0	0	0	4
1S/4W 24P 4	07/88	0	31	13	0	MON	D	*	0	0	4
1S/4W 24P 5	7/88	0	30	0	0	MON	D	0	0	0	4
1S/4W 24P 6	7/88	0	30	15	0	MON	D	0	0	0	4
1S/4W 24P 7	01/90	0	25	15	0	MON	X	2	0	0	4
1S/4W 24Q 1	6/74	0	120	0	0	CAT	D	0	0	0	0

ALAMEDA COUNTY--GROUNDWATER WELLS--LOCATIONS

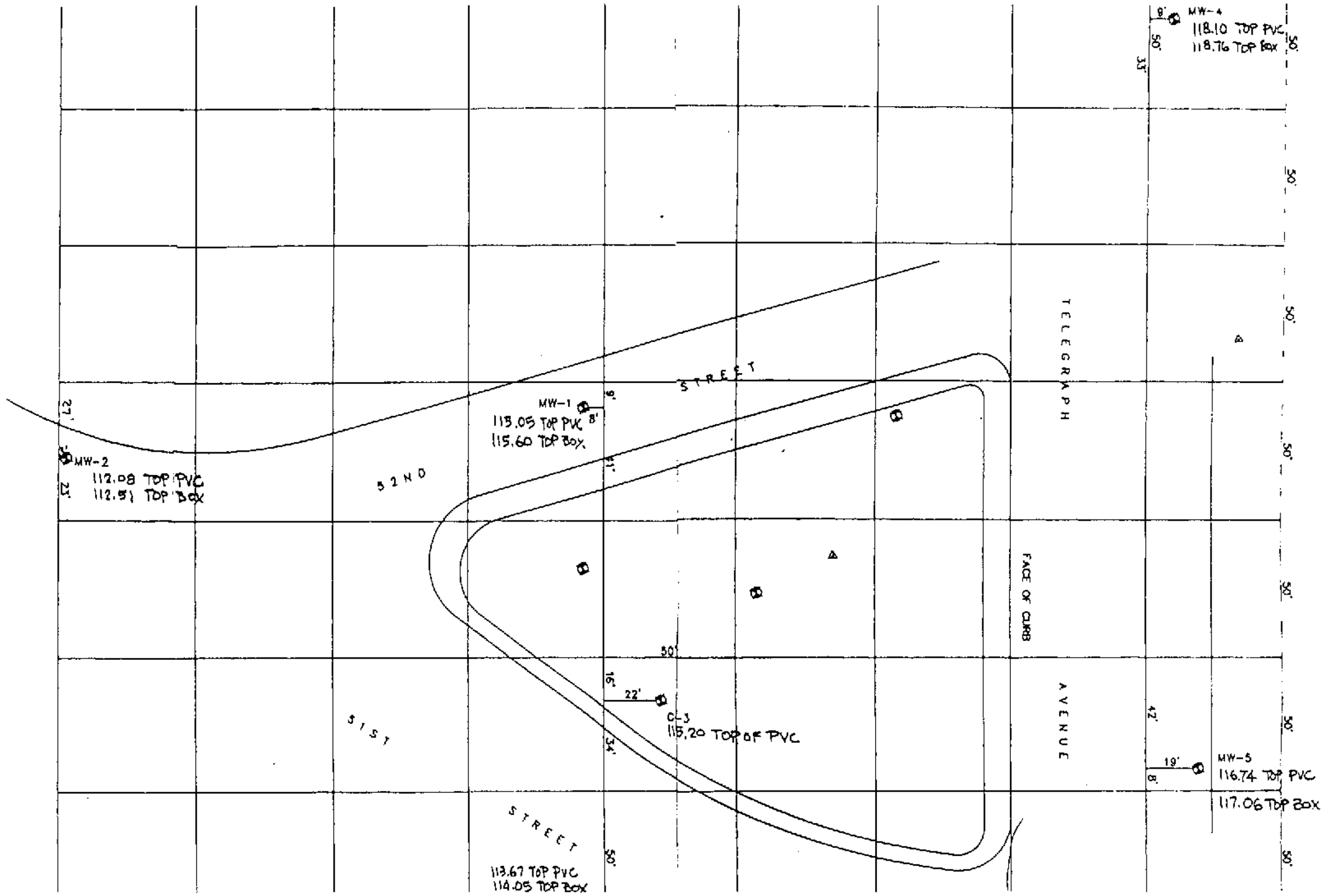
WELL NUMBER	WELL OWNER	WELL ADDRESS	CITY	PHONE NUMBER	DATE OF LAST UPDATE
1S/4W 13C 1	PG&E	62 & HILLEGASS	0	0	7/31/1984
1S/4W 13D 1	PERALTA ELEMENTARY SCHOOL	460 63RD ST	0	0	7/31/1984
1S/4W 13D 2	ARCO PETROLEUM	6125 TELEGRAPH AVE	0	0	7/22/1986
1S/4W 13D 3	ARCO PETROLEUM	6125 TELEGRAPH AVE	0	0	7/22/1986
1S/4W 13D 4	ARCO PETROLEUM	6125 TELEGRAPH AVE	0	0	7/22/1986
1S/4W 13D 5	THRIFTY OIL	6125 TELEGRAPH AVE	0	0	1/21/1987
1S/4W 13D 6	THRIFTY OIL	6125 TELEGRAPH AVE	0	0	1/21/1987
1S/4W 13D 7	THRIFTY OIL	6125 TELEGRAPH AVE	0	0	1/21/1987
1S/4W 13D 8	Thrifty Oil Company	6125 Telegraph Avenue	OAK	0	7/ 9/1990
1S/4W 13E 1	PG&E	MARTIN & HERMANN ST	0	0	7/31/1984
1S/4W 13G 1	CHEVRON USA	5800 COLLEGE AVE	BER	0	6/28/1989
1S/4W 13G 2	CHEVRON USA	5800 COLLEGE AVE	BER	0	6/28/1989
1S/4W 13G 3	CHEVRON USA	5800 COLLEGE AVE	BER	0	6/28/1989
1S/4W 13G 4	CHEVRON USA	5800 COLLEGE AVE	BER	0	6/28/1989
1S/4W 13G 5	CHEVRON USA	5800 COLLEGE AVE	BER	0	6/28/1989
1S/4W 13G 6	CITY OF OAKLAND	5776 MILES AVE	OAK	0	1/22/1990
1S/4W 13G 6	Chevron USA Inc.	5800 College Avenue	OAK	0	5/30/1990
1S/4W 13G 7	CITY OF OAKLAND	5776 MILES AVE	OAK	0	1/22/1990
1S/4W 13G 7	Chevron USA Inc.	5800 College Avenue	OAK	0	5/30/1990
1S/4W 13G 8	CITY OF OAKLAND	5776 MILES AVE	OAK	0	1/22/1990
1S/4W 13G 8	Chevron USA	5800 College Avenue	OAK	0	1/11/1991
1S/4W 13G 9	Chevron USA	5800 College Avenue	OAK	0	1/11/1991
1S/4W 13H 1	PG&E	LAWTON & MENDOCINO ST	0	0	7/31/1984
1S/4W 13H 2	Shell Oil Company	5755 Broadway	OAK	0	5/29/1990
1S/4W 13H 3	Shell Oil Company	5755 Broadway	OAK	0	5/29/1990
1S/4W 13L 1	CARY	5370 SHAFTER	0	0	7/31/1984
1S/4W 13L 2	EBMUD	MILES AV	0	0	7/31/1984
1S/4W 13M 1	ANGELA DELUCCHI	5629 VINCENTE ST	0	0	7/31/1984
1S/4W 13M 2	PG&E	CLIFTON & CLAREMONT AC	0	0	7/31/1984
1S/4W 13M 3	Chevron USA Inc.	5500 Telegraph Avenue	OAK	0	5/30/1990
1S/4W 13M 4	Chevron USA Inc.	5500 Telegraph Avenue	OAK	0	5/30/1990
1S/4W 13M 5	Chevron USA Inc.	5500 Telegraph Avenue	OAK	0	5/30/1990
1S/4W 13N 1	MRS. H. GOTELLI	5168 SHAFTER	0	0	7/31/1984
1S/4W 13N 2	EBMUD	MILES AV	0	0	7/31/1984
1S/4W 13Q 1	Unocal S/S #1028	5300 Broadway	OAK	0	7/31/1990
1S/4W 13Q 2	Unocal S/S #1028	5300 Broadway	OAK	0	7/31/1990
1S/4W 13Q 3	Unocal S/S #1028	5300 Broadway	OAK	0	7/31/1990
1S/4W 14A 1	PG&E	62ND & RACINE OAK	0	0	7/31/1984
1S/4W 14J 1	MARSHALL STEEL CO.	5427 TELEGRAPH	0	0	7/31/1984
1S/4W 14L 1	HUGAST SANTOS	5702 ADELINE ST	0	0	7/31/1984
1S/4W 14P 1	PG&E	MARKET & 52 ST	0	0	7/31/1984
1S/4W 14P 2	Chevron USA	5509 Martin Luther King	OAK	0	1/15/1991
1S/4W 14P 3	Chevron USA	5509 Martin Luther King	OAK	0	1/15/1991
1S/4W 14P 4	Chevron USA	5509 Martin Luther King	OAK	0	1/15/1991
1S/4W 14R	OAKLAND SHOPPING CENTER	SHATTUCK AVE/49TH ST	0	0	3/29/1988
1S/4W 14R	CHILDREN'S HOSPITAL M. C.	51ST/M L KING JR WAY	0	0	3/29/1988
1S/4W 14R 1	CHILDREN'S HOSP.	51 GROVE	0	0	7/31/1984
1S/4W 14R 2	PACIFIC RIM DEVELOPMENT	51ST/TELEGRAPH AVE	0	0	3/29/1988
1S/4W 14R 3	PACIFIC RIM DEVELOPMENT	51ST/TELEGRAPH AVE	0	0	3/29/1988
1S/4W 23A 1	WAYNE KELLY AUTO PARTS	4400 TELEGRAPH AVE.	OAK	0	6/28/1989
1S/4W 23D 1	PACIFIC GAS AND ELECTRIC	44TH ST & ADELINE	0	0	7/23/1984
1S/4W 23D 2	California Linen Rental	989 41st Street	OAK	0	6/27/1990
1S/4W 23D 3	California Linen Rental	989 41st Street	OAK	0	6/27/1990

ALAMEDA COUNTY--GROUNDWATER WELLS--LOCATIONS

WELL NUMBER	WELL OWNER	WELL ADDRESS	CITY	PHONE NUMBER	DATE OF LAST UPDATE
1S/4W 23D 4	California Linen Rental	989 41st Street	OAK	0	6/27/1990
1S/4W 23E 1	CALIFORNIA LINEN SUPPLY	989 41 ST	0	0	7/23/1984
1S/4W 23F 1	PG&E	MARKET & APGAR ST	0	0	7/31/1984
1S/4W 23H	SHELL OIL CO.	500 40TH ST.	OAK	0	11/ 9/1989
1S/4W 23H 1	SHELL OIL	500 40TH ST	OAK	0	1/24/1990
1S/4W 23H 2	SHELL OIL	500 40TH ST	OAK	0	1/24/1990
1S/4W 23H 3	SHELL OIL	500 40TH ST	OAK	0	1/24/1990
1S/4W 23H 4	Shell Oil Company	500 40th Street	OAK	0	7/24/1990
1S/4W 23H 5	Shell Oil Company	500 40th Street	OAK	0	9/11/1990
1S/4W 23H 6	Shell Oil Company	500 40th Street	OAK	0	9/11/1990
1S/4W 23K 1	ARCO SVCE. STA. #4931	731 W. MACARTHUR & WEST	OAK	0	2/23/1988
1S/4W 23K 2	ARCO SVCE. STA. # 4931	731 W MACARTHUR & WEST	OAK	0	2/23/1988
1S/4W 23K 3	ARCO SVCE. STA. #4931	731 W MACARTHUR & WEST	OAK	0	2/23/1988
1S/4W 23K 4	ARCO SVCE. STA. #4931	731 W MACARTHUR & WEST	OAK	0	2/23/1988
1S/4W 23M 1	FRANK CHAMPION	3516 ADELINE ST	0	0	7/31/1984
1S/4W 23M 2	ARCO PETROLEUM	3400 SAN PABLO AVE	0	0	10/ 6/1986
1S/4W 23M 3	ARCO PETROLEUM	3400 SAN PABLO AVE	0	0	10/ 6/1986
1S/4W 23M 4	ARCO PETROLEUM	3400 SAN PABLO AVE	0	0	10/ 6/1986
1S/4W 23M 5	THRIFTY OIL	3400 SAN PABLO AVE	0	0	1/21/1987
1S/4W 23M 6	THRIFTY OIL	3400 SAN PABLO AVE	0	0	1/21/1987
1S/4W 23M 7	THRIFTY OIL	3400 SAN PABLO AVE	0	0	1/21/1987
1S/4W 23M 8	THRIFTY OIL	3400 SAN PABLO AVE	0	0	1/21/1987
1S/4W 23M 9	SHELL OIL CO.	3420 SAN PABLO AVE	OAK	0	11/ 6/1989
1S/4W 23M10	SHELL OIL CO.	3420 SAN PABLO AVE	OAK	0	11/ 6/1989
1S/4W 23M11	SHELL OIL CO.	3420 SAN PABLO AVE	OAK	0	11/ 6/1989
1S/4W 23M12	SHELL OIL CO.	3420 SAN PABLO AVE	OAK	0	11/ 6/1989
1S/4W 23M13	Shell Oil Company	3420 San Pablo Avenue	OAK	0	6/ 8/1990
1S/4W 23M14	Shell Oil Company	3420 San Pablo Avenue	OAK	0	6/ 8/1990
1S/4W 23M15	Shell Oil Company	3420 San Pablo Avenue	OAK	0	6/ 8/1990
1S/4W 23M16	Shell Oil Company	3420 San Pablo Avenue	OAK	0	6/ 8/1990
1S/4W 23M17	Shell Oil Company	34200 San Pablo Avenue	OAK	0	6/ 8/1990
1S/4W 23M18	Thrifty Oil Company	3400 San Pablo Avenue	OAK	0	7/ 9/1990
1S/4W 23N 1	OAKLAND TOWEL CO.	990 28 ST	0	0	7/31/1984
1S/4W 23R	MERITT PERALTA INSTITUTE	34TH & ELM STS	0	0	8/ 8/1988
1S/4W 23R	PAUL FABERMAN & CO.	3300 WEBSTER ST	OAK	0	1/10/1990
1S/4W 23R	PAUL FABERMAN & CO	3300 WEBSTER ST	OAK	0	1/22/1990
1S/4W 23R 1	MERRITT HOSPITAL	HAWTHORNE AV	0	0	7/31/1984
1S/4W 23R 2	MERRITT HOSPITAL	HAWTHORNE AV	0	0	7/31/1984
1S/4W 23R 3	PAUL FABERMAN & CO.	3300 WEBSTER ST	OAK	0	1/10/1990
1S/4W 23R 4	PAUL FABERMAN & CO.	3300 WEBSTER ST	OAK	0	1/22/1990
1S/4W 23R 5	PAUL FABERMAN & CO	3300 WEBSTER ST	OAK	0	1/22/1990
1S/4W 24B 1	M.Mehdizaden	5175 Broadway	OAK	0	7/31/1990
1S/4W 24B 2	M.Mehdizaden	5175 Broadway	OAK	0	7/31/1990
1S/4W 24B 3	M.Mehdizadeh	5175 Broadway	OAK	0	7/31/1990
1S/4W 24D 1	EBMUD	WEBSTER ST & 45TH ST	0	0	7/31/1984
1S/4W 24D 2	EBMUD	WEBSTER ST & 49TH ST	0	0	12/12/1984
1S/4W 24D 3	PG&E	49TH & WEBSTER ST	0	0	12/12/1984
1S/4W 24E 1	LADIES RELIEF SOCIETY	360 42 ST	0	0	12/12/1984
1S/4W 24E 2	EBMUD	MANILA & 42ND ST	0	0	12/12/1984
1S/4W 24E 3	EBMUD	42ND & WEBSTER STS.	0	0	12/12/1984
1S/4W 24E 4	ROBERT WESTWOOD	462 43 ST	0	0	12/12/1984
1S/4W 24L	SOUTHLAND CORP	4100 BROADWAY	0	0	11/ 7/1986
1S/4W 24L 1	JOHN BONO	4082 PIEDMONT AV	0	0	12/12/1984

ALAMEDA COUNTY--GROUNDWATER WELLS--LOCATIONS

WELL NUMBER	WELL OWNER	WELL ADDRESS	CITY	PHONE NUMBER	DATE OF LAST UPOATE
1S/4W 24L 2	Unocal Corp.	3943 Broadway	OAK	0	5/30/1990
1S/4W 24L 3	Unocal Corp.	3943 Broadway	OAK	0	5/30/1990
1S/4W 24L 4	Unocal Corporation	3943 Broadway	OAK	0	7/ 3/1990
1S/4W 24L 5	Unocal Corporation	3943 Broadway	OAK	0	7/ 3/1990
1S/4W 24L 6	Unocal Corporation	3943 Broadway	OAK	0	7/ 3/1990
1S/4W 24M 1	Unocal Corporation	411 W. MacArthur Blvd.	OAK	0	6/ 5/1990
1S/4W 24M 2	Unocal Corporation	411 W. MacArthur Blvd.	OAK	0	6/ 5/1990
1S/4W 24M 3	Unocal Corporation	411 W. MacArthur Blvd.	OAK	0	6/ 5/1990
1S/4W 24M 4	Unocal Corporation	411 W. MacArthur Blvd.	OAK	0	6/ 5/1990
1S/4W 24N 1	CHEVRON USA	3701 MACARTHUR BLVD	0	0	6/ 1/1988
1S/4W 24N 2	CHEVRON USA	3701 MACARTHUR BLVD	0	0	6/ 1/1988
1S/4W 24N 3	Kaiser Foundation	3505 Broadway	OAK	0	7/ 9/1990
1S/4W 24N 4	Kaiser Foundation	3505 Broadway	OAK	0	7/ 9/1990
1S/4W 24N 5	Kaiser Foundation	3505 Broadway	OAK	0	7/ 9/1990
1S/4W 24N 6	Kaiser Foundation	3505 Broadway	OAK	0	7/24/1990
1S/4W 24N 8	Kaiser Hospital	280 W. MacArthur Blvd.	OAK	0	4/17/1991
1S/4W 24N 9	Kaiser Hospital	280 W. MacArthur Blvd.	OAK	0	4/17/1991
1S/4W 24N10	Kaiser Hospital	280 W. MacArthur	OAK	0	4/26/1991
1S/4W 24N11	Kaiser Hospital	280 W. MacArthur	OAK	0	4/26/1991
1S/4W 24N12	Kaiser Hospital	280 W. MacArthur	OAK	0	6/12/1991
1S/4W 24N13	Kaiser Hospital	280 W. MacArthur	OAK	0	6/12/1991
1S/4W 24P	GETTLER-RYAN (SHELL)	230 MAC ARTHUR BLVD	0	0	7/22/1986
1S/4W 24P	Shell Oil Company	230 MacArthur Blvd	OAK	0	6/27/1990
1S/4W 24P	Shell Service Station	230 MacArthur Boulevard	OAK	0	7/24/1990
1S/4W 24P 1	SHELL SERVICE STATION	230 MACARTHUR BOULEVARD	OAK	0	2/23/1988
1S/4W 24P 2	SHELL SERVICE STATION	230 MACARTHUR BOULEVARD	OAK	0	2/23/1988
1S/4W 24P 3	SHELL SERVICE STATION	230 MACARTHUR BOULEVARD	OAK	0	2/23/1988
1S/4W 24P 4	SHELL OIL CO	230 MACARTHUR BVLD	OAK	0	12/20/1988
1S/4W 24P 5	SHELL OIL CO	230 MACARTHUR BVLD	OAK	0	12/20/1988
1S/4W 24P 6	SHELL OIL CO	230 MACARTHUR BVLD	OAK	0	12/20/1988
1S/4W 24P 7	Shell Oil Company	230 MacArthur Blvd.	OAK	0	6/21/1990
1S/4W 24Q 1	PG&E	MOUTELL ST	0	0	7/31/1984



MW-4
118.10 TOP PVC
118.76 TOP Box
MW-1
115.05 TOP PVC
115.60 TOP Box
MW-2
112.08 TOP PVC
112.51 TOP Box
52ND STREET
TELEGRAPH AVENUE
FACE OF CURB
C-3
115.20 TOP OF PVC
51ST STREET
MW-5
116.74 TOP PVC
117.06 TOP Box
113.67 TOP PVC
114.05 TOP Box

1"=60'

APPENDIX F

LABORATORY REPORTS

CHAIN OF CUSTODY RECORDS

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

Resna Industries
Attn: Justin Power

Project 17075.01
Reported 09/26/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
14761- 1	S6.5B1	09/16/93	09/24/93	Soil
14761- 2	S10.8B1	09/16/93	09/24/93	Soil
14761- 3	S6.3B3	09/16/93	09/24/93	Soil
14761- 4	S11.4B3	09/16/93	09/24/93	Soil
14761- 5	S14.5B3	09/16/93	09/24/93	Soil
14761- 6	S16.3B3	09/16/93	09/25/93	Soil
14761- 7	S6.3B4	09/16/93	09/24/93	Soil
14761- 8	S11.3B4	09/16/93	09/24/93	Soil
14761- 9	S6.5B5	09/16/93	09/24/93	Soil
14761-10	S11.5B5	09/16/93	09/24/93	Soil

RESULTS OF ANALYSIS

Laboratory Number:	14761- 1	14761- 2	14761- 3	14761- 4	14761- 5
Gasoline:	ND<1	ND<1	ND<1	ND<1	ND<1
Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Toluene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Ethyl Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Xylenes:	ND<.015	ND<.015	ND<.015	ND<.015	ND<.015
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Laboratory Number:	14761- 6	14761- 7	14761- 8	14761- 9	14761-10
Gasoline:	1	ND<1	300	ND<1	ND<1
Benzene:	0.007	ND<.005	ND<.025	ND<.005	ND<.005
Toluene:	0.01	ND<.005	0.530	ND<.005	ND<.005
Ethyl Benzene:	0.005	ND<.005	0.15	ND<.005	ND<.005
Xylenes:	0.017	ND<.015	1.8	ND<.015	ND<.015
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

Resna Industries
Attn: Justin Power

Project 17075.01
Reported 09/26/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
14761-11	S14.5B5	09/16/93	09/24/93	Soil

RESULTS OF ANALYSIS

Laboratory Number: 14761-11

Gasoline:	ND<1
Benzene:	ND<.005
Toluene:	ND<.005
Ethyl Benzene:	ND<.005
Xylenes:	ND<.015
Concentration:	mg/kg

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

Resna Industries
Attn: Justin Power

Project 17075.01
Reported 09/28/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
14762- 1	S6.OB2	09/20/93	09/27/93	Soil
14762- 2	S11.3B2	09/20/93	09/24/93	Soil
14762- 3	S14.3B2	09/20/93	/ /	Soil
14762- 4	S16.3B2	09/20/93	/ /	Soil

RESULTS OF ANALYSIS

Laboratory Number:	14762- 1	14762- 2	14762- 3	14762- 4
Gasoline:	ND<1	ND<1	NA	NA
Benzene:	ND<.005	ND<.005	NA	NA
Toluene:	ND<.005	ND<.005	NA	NA
Ethyl Benzene:	ND<.005	ND<.005	NA	NA
Xylenes:	ND<.015	ND<.015	NA	NA
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

Resna Industries
Attn: Justin Power

Project 17075-01
Reported 09/23/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
14764- 2	W-12-MW1	09/21/93	09/22/93	Water
14764- 4	W-11-MW2	09/21/93	09/22/93	Water
14764- 6	W-16-MW3	09/21/93	09/22/93	Water
14764- 8	W-17-MW5	09/21/93	09/22/93	Water
14764-10	W-10-MW4	09/21/93	09/22/93	Water
14764-11	TB-LB	09/21/93	09/23/93	Water

RESULTS OF ANALYSIS

Laboratory Number:	14764- 2	14764- 4	14764- 6	14764-8	14764-10
Gasoline:	ND<50	ND<50	6600	590	5800
Benzene:	ND<0.5	ND<0.5	400	25	16
Toluene:	ND<0.5	ND<0.5	11	1.8	4.2
Ethyl Benzene:	ND<0.5	ND<0.5	32	0.6	35
Xylenes:	ND<1.5	ND<1.5	23	2.0	48
Concentration:	ug/L	ug/L	ug/L	ug/L	ug/L

Laboratory Number:	14764- 11
Gasoline:	ND<50
Benzene:	ND<0.5
Toluene:	ND<0.5
Ethyl Benzene:	ND<0.5
Xylenes:	ND<1.5
Concentration:	ug/L

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number 9-3864
Facility Address 5101 TELEGRAPH AVE. OAKLAND
Consultant Project Number 17075.01
Consultant Name RESNA IND.
Address 73 DIGITAL DR. NOVATO, CA. 94944
Project Contact (Name) JOSTIN POWER
(Phone) (415) 382-7400 (Fax Number) (415) 382-7415

Chevron Contact (Name) KEN KAN
(Phone) (510) 842-8752
Laboratory Name SUPERIOR ANALYTICAL
Laboratory Release Number 8676251
Samples Collected by (Name) ERICH NEUPERT
Collection Date 9/15-16/93
Signature Erich Neupert

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
S6.5B1		1	S	D			Y	X												
S12.5B1		1	S	D			Y	X												
S14.5B1		1	S	D			Y													HOLD
S16.5B1		1	S	D			Y													HOLD
S6.3B3		1	S	D			Y	X												
S11.4B3		1	S	D			Y	X												
S14.5B3		1	S	D			Y	X												
S16.3B3		1	S	D			Y	X												
S6.3B4		1	S	D			Y	X												
S11.3B4		1	S	D			Y	X												
S14.0B4		1	S	D			X													HOLD
S16.0B4		1	S	D			X													HOLD
S6.5B5		1	S	D			Y	X												
S11.5B5		1	S	D			Y	X												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Erich Neupert	RESNA	9:08 9/20	Pete Vellos	aero	9-20-93 0908
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
(5 Days)
10 Days
As Contracted

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number 9-3864
Facility Address 5101 TELEGRAPH AVE. OAKLAND
Consultant Project Number 17075.01
Consultant Name RESNA IND.
Address 73 DIGITAL DR. NOVATO, CA. 94949
Project Contact (Name) JUSTIN POWER
(Phone) (415) 382-7400 (Fax Number) (415) 382-7415

Chevron Contact (Name) KEN KAN
(Phone) (510) 842-8752
Laboratory Name SUPERIOR ANALYTICAL
Laboratory Release Number 8676251
Samples Collected by (Name) ERICH NEUPERT
Collection Date 9/15-16/93
Signature Erich Neupert

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)						Remarks
S14.5B5		1	S	D			Y	X													
S16.5B5		1	S	D			Y														HOLD

Analyses To Be Performed

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Erich Neupert	RESNA	9:08 9/20	[signature]	Gord	9:08 9-20-93
			Received For Laboratory By (Signature)		

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days (circled)
10 Days
As Contracted

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-3864
Facility Address: 5101 Telegraph Ave. Oakland
Consultant Project Number: 17075.01
Consultant Name: RESNA Industries
Address: 73 Digital Drive, Novato CA 94949
Project Contact (Name): Justin Power
(Phone) 415 382 7400 (Fax Number) (415) 382 7415

Chevron Contact (Name): Mr. Kenneth Kan
(Phone): (510) 842 8752
Laboratory Name: Superior Analytical
Laboratory Release Number: 8676251
Samples Collected by (Name): Erich Neupert
Collection Date: 9-20-93
Signature: Erich Neupert

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
S 6.0 B2		1	S	D		N	Y	X												
S 11.3 B2		1	S	D		N	Y	X												
S 14.3 B2		1	S	D		N	Y													Hold
S 16.3 B2		1	S	D		N	Y													Hold

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Erich Neupert	RESNA	9:20 9/21	Wilson Woo	RESNA	9-21-93 924
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
(5 Days)
10 Days
As Contracted

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number 9-3864
Facility Address 5101 TELEGRAPH AVE OAKLAND
Consultant Project Number 17075-01
Consultant Name RESNA IND.
Address 73 DIGITAL DR. NOVATO CA 94949
Project Contact (Name) JUSTIN POWER
(Phone) (415) 382-7400 (Fax Number) (415) 382-7415

Chevron Contact (Name) MR. KENNETH KAN
(Phone) (510) 842-8752
Laboratory Name SUPERIOR ANALYTICAL
Laboratory Release Number 867 6251
Samples Collected by (Name) JEFF ANDREWS
Collection Date 9-21-93
Signature Jeff Andrews

Sample Number / Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)		HOLD					Remarks
W-12 MW-1 Rinsate	1			11:20	HCL											/					
W-12 MW-1	3			11:20			/														
W-11 MW-2 Rinsate	1			11:30												/					
W-11 MW-2	3			11:30			/														
W-16 MW-3 Rinsate	1			11:40												/					
W-16 MW-3	3			11:40			/														
W-17 MW-5 Rinsate	1			11:55												/					
W-17 MW-5	3			11:55			/														
W-10 MW-4 Rinsate	1			12:10												/					
W-10 MW-4 ✓	3			12:10	HCL	YES	/														
TB-B	1				HCL		/														

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Jeff Andrews	RESNA	9-21-93 14:00		Aesu	9/21 2:38
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted