

CASE CLOSURE SUMMARY

**490 43rd Street
Oakland, California**

ACC Project No. 00-6305-001.03

Prepared for:

Mr. John Ward
Wells Fargo Trust
Asset Management Division
Trust Real Estate Department
P.O. Box 63939
San Francisco, California

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Prepared by:



Trevor Bausman
Technical Writer

Reviewed by:



David R. DeMent, RG
Environmental Division Manager



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CASE CLOSURE SUMMARY

**490 43rd Street
Oakland, California**

ACC Environmental Consultants, Inc. (ACC) on behalf of the Blumert Trust have prepared this Case Closure Summary. The Summary describes remediation and site investigation performed at 490 43rd Street, Oakland, California. This Summary was requested by the Alameda County Health Care Services Agency (ACHCSA) as a condition of regulatory case closure.

ACC met with representatives of the ACHCSA, Wells Fargo Bank, and the Blumert Trust on August 9, 2000, to discuss work required to justify regulatory closure for the site. In his letter of the same date, Mr. Barney Chan of the ACHCSA requested a final monitoring event in conjunction with additional work items to bring the site to closure. This report summarizes the information requested by the ACHCSA. The final monitoring event in well MW-4 is under separate cover.

1.0 CORRECTIVE ACTION BACKGROUND

The site is located at the northeastern corner of Telegraph Avenue and 43rd Street, Oakland, California (Figure 1). The property is relatively flat, at an elevation of approximately 90 feet above mean sea level (MSL). The predominant groundwater flow direction is to the south-southwest.

1.1 Initiation of Corrective Action

The facility formerly operated one 1,000-gallon gasoline underground storage tank (UST) and one 350-gallon paint thinner UST, which were removed on December 11, 1991 (Figure 2). Laboratory analysis of soil samples collected under the gasoline tank indicated concentrations up to 220 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPHg) and minor concentrations of benzene, toluene, ethylbenzene, and total xylenes (BTEX). Laboratory analysis of soil samples collected under the paint thinner tank indicated concentrations up to 25 ppm total petroleum hydrocarbons as paint thinner (TPH as paint thinner). Groundwater was observed in the excavation at a depth of approximately 12.5 feet below ground surface (bgs).

The tank pit, which contained both former USTs, was overexcavated on March 31, 1992, to remove additional impacted soil. Laboratory analysis of soil samples collected from excavation sidewalls indicated concentrations up to 720 ppm TPHg, 30 ppm BTEX constituents, and 190 ppm TPH as paint thinner

1.2 Site Characterization Activities

Three groundwater monitoring wells were installed on April 12, 1993, by Kaprealian Engineering, Inc., (KEI), and have been monitored periodically since that time. Gradient has been calculated at approximately 0.01 foot/foot and flow direction has consistently been to the south-southwest. Groundwater samples from the three groundwater monitoring wells have indicated TPHg concentrations ranging from 170 to 2,100 parts per billion (ppb) in well MW-1, 11,000 to 18,000 ppb in well MW-2, and 1,500 to 14,000 ppb in well MW-3. TPH as paint thinner concentrations have ranged from 65 to 1,200 ppb in well MW-1, 670 to 11,000 ppb in well MW-2, and 480 to 8,700 ppb in well MW-3.

On June 1, 1994, KEI drilled exploratory soil borings EB1 and EB2 (Figure 3). Concentrations of TPHg and TPH as paint thinner were detected in soil samples collected from boring EB2 at a depth of 10 to 12 feet bgs. Grab groundwater samples from borings EB1 and EB2 indicated concentrations of TPHg at 3,400 ppb and 9,200 ppb, respectively, and TPH as paint thinner at 7,000 ppb and 3,700 ppb, respectively. Sieve analysis of saturated soil at the site determined that the soil should be classified as silty sand (SM).

ACC performed an exploratory boring investigation in April 1996. ACC drilled two exploratory soil borings (SB1 and SB2) to characterize soil conditions in the immediate vicinity of the former tank excavation and six additional exploratory borings (B3 through B8) upgradient and downgradient of the former USTs to characterize groundwater in the general vicinity of the former tank excavation (Figure 3). Concentrations of mineral spirits were detected in sample SB1-9.0 at 52 ppm and in sample SB2-9.0 at 78 ppm. Grab groundwater samples were collected from borings B3 through B8 and analyzed for TPHg, BTEX, and mineral spirits. Concentrations of TPHg ranged from nondetectable in groundwater samples collected from borings B3 and B8 to 46,000 ppb in a sample collected from boring B6. Concentrations of mineral spirits ranged from nondetectable in samples collected from borings B3 and B8 to 16,000 ppb in a sample from boring B7. Petroleum hydrocarbon impacts to shallow groundwater were not fully delineated. Field observations indicated that the saturated zone was a silty sand with generally poor aquifer qualities, and subsurface groundwater migration was believed to be minimal based on soil type, relatively flat hydraulic gradient, and minimal surface water infiltration. Analytical results are summarized in Tables 1 and 2.

TABLE 1 - ACC SOIL SAMPLE ANALYTICAL RESULTS

Boring/ Sample Depth	Paint Thinner (ppm)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl- benzene (ppm)	Total Xylenes (ppm)
SB1-9.0	52	<100	<0.10	<0.10	<0.10	0.54
SB2-9.0	78	<500	<0.50	<0.50	<0.50	<0.5

TABLE 2 – ACC GROUNDWATER SAMPLE ANALYTICAL RESULTS

Boring/ Sample Number	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Total Xylenes (ppb)	Paint Thinner (ppb)
B3-W	<50	0.89	1.6	<0.50	0.91	<500
B4-W	11,000*	200	66	220	96	6,800*
B5-W	5,300*	18	18	32	56	12,000*
B6-W	46,000*	880	<0.50	160	180	<800
B7-W	4,400*	190	14	130	100	16,000*
B8-W	<50	<0.50	0.97	<0.50	1.8	<500

Notes: $\mu\text{g/L}$ = micrograms per Liter, approximately equal to ppb
*Estimated concentration for gasoline and paint thinner due to overlapping fuel patterns. Fuel pattern resembles gasoline and paint thinner mix.

In July 1999, ACC installed monitoring well MW-4 and began performing periodic monitoring and sampling along with wells MW-1 through MW-3. ACC collected one soil sample during well installation and analytical results are summarized in Table 3.

TABLE 3 – WELL MW-4 SOIL SAMPLE ANALYTICAL RESULTS

Sample Number	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	Mineral Spirits
MW4-10	30	<0.62	<0.62	<0.62	<0.62	<0.62	48

Notes: mg/kg = milligrams per kilogram, equivalent to parts per million (ppm)
< below indicated laboratory reporting limit

2.0 INVESTIGATIVE METHODS

During its groundwater monitoring and subsurface investigations, ACC utilized methods and protocols ordinarily employed by members of our profession currently practicing under similar conditions in the area. Drilling was performed under permit of the Alameda County Public Works Agency (ACPWA) and described in a work plan approved by the ACHCSA, and all work was directed by a California Registered Geologist.

The soil borings were advanced using a hydraulically-driven, direct-push Geoprobe[®] sampling tool equipped with 1.5-inch inside diameter probe rods and/or a retractable screen fitted with a sacrifice probe tip. Grab groundwater samples were obtained by advancing the probe to the first-encountered water bearing zone and exposing the retractable screen to the formation.

Subsurface soil samples were obtained by fitting the Geoprobe® with a hollow sample collection apparatus with a lockable probe tip, advancing the unit to the depth of investigation, unlocking the tip, and advancing the soil collection tube into undisturbed soil. Upon removal from the sampler, each soil core was visually inspected, logged and classified according to the Unified Soil Classification System (USCS). Soil samples were collected at representative depths believed to provide optimum information concerning subsurface soil conditions.

Soil and grab groundwater samples were analyzed for constituents of concern according to standard, accepted Environmental Protection Agency methodologies, and detection limits were the lowest possible for each respective method. Standard chain of custody protocol was observed, and sample holding times were not exceeded. Due to overlapping chromatograms of mineral spirits and gasoline, the laboratory had to overcome the difficulty of quantifying each class of hydrocarbons. However, the laboratory ACC utilized for analytical testing excels at quantifying the total concentrations of constituents. Chromalab, Inc., (Chromalab) identified them to the best of its ability within the confines of the EPA test method and avoided double counting those constituents that fall into both respective type of petroleum hydrocarbons.

2.1 Groundwater Monitoring

ACC conducted periodic groundwater well monitoring and sampling since May 1996 at the direction of the ACHCSA. Monitoring wells 1 through 3 were sampled until June 1999 when well MW-4 was installed and added to the well sampling protocol. Historic groundwater elevations range from 78.81 to 82.15 feet MSL in well MW-1, 78.21 to 81.81 feet MSL in well MW-2, 78.50 to 82.36 feet MSL in well MW-3, and 77.08 to 79.02 feet MSL in well MW-4.

2.2 Groundwater Gradient

The groundwater flow direction as determined from monitoring well data collected on December 28, 2000, is illustrated on Figure 4. Based on groundwater elevation calculations, groundwater flow direction has been toward the southwest to south-southwest 16 out of 20 events. Gradient fluctuates seasonally from 0.007 to 0.038, but averaged approximately 0.035 in the last year.

2.3 Results of Groundwater Sampling

Groundwater samples have been periodically collected from monitoring well MW-1 through MW-3 since May 1993 and in well MW-4 since June 1999. In well MW-1, TPHg has ranged from less than 50 ppb to 2,600 ppb and has not been detected in the last 6 months. Benzene in well MW-1 has ranged from less than 0.5 ppb to 250 ppb and has not been detected in the last 6 months. In well MW-2, TPHg has ranged from 1,100 ppb to 18,000 ppb and has averaged 3,800 ppb in the last 6 months. Benzene in well MW-2 has ranged from 61 ppb to 2,400 ppb and has averaged 212 ppb in the last 6 months. In well MW-3, TPHg has ranged from 1,500 ppb to 14,000 ppb and has averaged 3,750 ppb in the last 6 months. Benzene in well MW-3 has ranged from 65 ppb to 1,700 ppb and has averaged 210 ppb in the last 6 months. In well MW-4, TPHg has ranged from 2,000 ppb to 4,200

ppb and has averaged 3,150 ppb in the last 6 months. Benzene in well MW-4 has ranged from 160 ppb to 600 ppb and has averaged 215 ppb in the last 6 months.

Periodic groundwater monitoring events document decreasing trends in concentrations of TPHg and mineral spirits and preferential degradation of BTEX constituents, especially since the introduction of ORC® in July 1999. Seasonal groundwater elevation fluctuations previously preceded increases in dissolved concentrations of constituents of concern, but these concentration fluctuations no longer appear to be occurring. Previously impacted soil in the capillary fringe zone no longer appears to be impacting groundwater.

3.0 EXTENT OF SOIL AND GROUNDWATER IMPACT

Based on initial soil and grab groundwater analytical results and field observations, ACC determined that residual concentrations of petroleum hydrocarbons in soil within the former UST excavation were below the RWQCB action level of 100 ppm, and that impacted soil did not appear to constitute an appreciable ongoing source.

Ongoing groundwater monitoring analytical results confirm that past release(s) of petroleum hydrocarbons from the two USTs previously located onsite have impacted soil in the capillary zone and shallow groundwater in the vicinity of the former tanks.

Typically, concentrations of dissolved-phase petroleum hydrocarbons in groundwater will decrease with distance from the source area due to natural degradation and attenuation in the subsurface. This is occurring in the vicinity of the former USTs. Well MW-4 is approximately 34 feet away in the confirmed downgradient direction. Attenuation of concentrations of constituents of concern is more difficult to determine in well MW-4 due to the suspect contribution of the former UST located at 489 43rd Street. ACC has evaluated TPHg and benzene concentrations in groundwater using Surfer®, a proprietary interpolation software program, but the results are inconclusive. Based on ACC's grab groundwater sampling, field observations, saturated soil type, and nondetectable benzene groundwater analytical results in well MW-1A (south of 489 43rd Street), ACC believes that the migration potential of impacted groundwater is minimal. The majority of benzene impacted groundwater appears to be beneath 43rd Avenue and concentrations attenuate rapidly beneath the structures at 489 and 497 43rd Street.

Due to a limited, decreasing source and natural attenuation processes, the migration potential of petroleum hydrocarbons is estimated to be minimal. ACC believes that the work performed to date adequately characterized the vertical and horizontal extent of impact to soil and groundwater from a past release of petroleum hydrocarbons at the subject site.

4.0 LOCAL AND REGIONAL HYDROGEOLOGY

The subject site is located on the eastern margin of San Francisco Bay approximately 2.4 miles from the present high tide line. No surface water bodies are located within a one-mile radius of the site. Regional topography suggests a westerly to southwesterly groundwater gradient towards San Francisco Bay, and groundwater at the site has consistently been to the south-southwest. Gradient at the site ranges from 0.007 to 0.038; however regional groundwater gradient is likely to be on the order of 0.01 foot per foot.

During MW-4 well installation in June 1999, soil from the surface to approximately 9 feet bgs consisted of brown to yellow brown, medium dense, silty clay with localized zones of disseminated fine-grained gravel, underlain by light brown silty sand (SM) that grades to sandy silt (ML). This soil type was observed to a depth of 22 feet bgs, the depth of investigation, and is consistent with previous sieve analysis of saturated soil. Historic static groundwater elevations have been measured at approximately 9 to 11 feet bgs.

5.0 BENEFICIAL USES

According to the RWQCB's 1995 *Basin Plan* (Plan), the subject site is located within the East Bay Plain groundwater basin. The Plan identifies municipal, domestic, industrial process and service water supply, and agricultural water supply as existing beneficial uses of groundwater. In addition, unless otherwise noted in the Plan, the RWQCB considers all groundwater to be potentially suitable for municipal or domestic use due to the site's location, local dependence on municipal water supplies, and poor-quality nature of the water-bearing unit investigated. ACC considers it highly unlikely that groundwater located in the vicinity of the former UST excavation will be utilized for beneficial uses, or that any water wells are present downgradient of the subject site.

During Oxygen Release Compound (ORC®) injection work in July 1999, ACC attempted to collect grab groundwater samples in six of the 25 soil borings in order to better characterize groundwater conditions at the site. Five of the six sample locations did not produce enough water in the first-encountered water-bearing zone (14 to 18 feet bgs) to obtain a 40 milliliter grab groundwater sample. ACC attributes this to generally poor aquifer quality and inconsistent groundwater recharge.

5.1 Well Survey

ACC obtained a well survey in a 500 foot radius of the subject property from the Alameda County Public Works Agency. With the exception of well MW-1A installed at 489 43rd Street (not actually included in the well survey), no downgradient wells were identified within 500 feet. The next nearest downgradient well at 40th and Telegraph is approximately 1,000 feet downgradient. In addition, ACC performed a door-to-door survey in a 500 foot radius of the subject property and one water well was identified at 480 42nd Street. Due to the cross-gradient direction and the distance to this well, potential impact to groundwater screened by this well is minimal to nonexistent.

~150'

test ?

Based on municipal water supply in the area and the shallow depth of impacted groundwater, there is little or no likelihood that any unknown water wells are present downgradient of the subject site, or, if any wells existed, that they would be impacted by residual petroleum hydrocarbons in shallow groundwater originating from the subject site. A copy of the well survey is included in Appendix A.

The well survey radius map is shown on Figure 5. Questionnaire results of the well survey are included in Appendix B.

6.0 REMEDIAL ACTIVITIES

6.1 UST Removal

Initial onsite remediation consisted of removal and disposal of the gasoline and mineral spirit USTs, and overexcavation of impacted soil, in December 1991. Soil was excavated up to the edge of the building at 490 43rd Street and disposed offsite. Verification sidewall soil sample analytical results indicated only minor concentrations of residual petroleum hydrocarbons were left in soil. This finding was confirmed by ACC's soil borings SB-1 and SB-2 advanced in April 1996.

6.2 ORC® Installation

In July 1999, ACC introduced 350 pounds of ORC® into the subsurface. The work included drilling 25 exploratory borings and injecting ORC® into the water-bearing zone in the vicinity of and downgradient of the former USTs. The purpose of the work was to further enhance natural biodegradation of petroleum hydrocarbons in areas of impacted groundwater and minimize downgradient migration. ORC® injection locations are shown on Figure 6.

The Geoprobe® was driven approximately 6 feet into the saturated zone. After completion of drilling, an ORC® and water mixture consisting of approximately 14 pounds of ORC® to 5 gallons of water was injected into each boring. Each of 25 soil borings received approximately 14 pounds of ORC®, resulting in the introduction of 350 pounds of ORC® into the saturated zone. After installation of the ORC® slurry, portland cement was poured into each boring above the ORC® to complete each hole to just below the surface. The surface of each probe location was capped with concrete.

6.3 Remediation Effectiveness

Removal of two onsite USTs effectively removed the source of impact to soil and groundwater. No residual impact exceeding applicable action levels remains in soil surrounding the former excavation, and concentrations of constituents of concern in groundwater are stationary and degrading naturally. These final concentrations are consistent with SWRCB Resolution 68-16, 'Statement of Policy with Respect to Maintaining High Quality of Waters in California'. No ongoing or verification sampling or monitoring is warranted, and existing or potential impact to beneficial uses of groundwater is minimal.

ACC believes the use of ORC[®] was highly effective at enhancing natural biodegradation rates and minimizing downgradient migration of impacted groundwater. Based on decreasing concentrations of constituents of concern in wells MW-1, MW-2, and MW-4 (especially BTEX), enhanced natural attenuation of petroleum hydrocarbons was reported in July and October 2000. Unfortunately, groundwater remediation downgradient of well MW-4 must be inferred and could not be confirmed in the field.

7.0 CONCLUSIONS

Based on the work performed to date and on ACC's knowledge of the site, ACC has made the following conclusions:

- Remaining impacted soil in the immediate vicinity of the former USTs was minimal and appears to have been largely confined to the capillary fringe;
- Previously impacted soil in the capillary fringe zone no longer appears to be impacting groundwater;
- Impacted shallow groundwater appears to be largely localized to the vicinity of the former USTs and attenuates quickly with distance;
- Groundwater in the vicinity of the site is unconfined and exists in a silty sand aquifer of low estimated quality;
- Analytical results and decreasing trends in concentrations of constituents of concern indicate that natural attenuation is occurring, and natural attenuation rates can be enhanced through the use of oxygen release compounds;
- Natural bioremediation is the only feasible and cost-effective remedial alternative;
- Low or non-detectable concentrations of BTEX in well MW-1 indicate that potential exposure to benzene is not occurring at 490 43rd Street and risk assessment is not warranted; and
- Based on benzene concentrations reported in monitoring wells MW-1 through MW-4, benzene impacted groundwater exists primarily beneath 43rd Street and benzene concentrations in groundwater beneath 489 43rd Street likely range from 10 to 100 ppb.

7.1 Sensitive and Potential Receptors

Site visits and questionnaire responses have confirmed that no sensitive receptors exist on or downgradient of the suspect source area for a distance of approximately 500 feet. Sensitive receptors are defined as hospitals, schools, day care facilities, and nursing homes. Site visits and questionnaire responses have confirmed that one potential receptor exists downgradient of the suspect source area within a radius of approximately 500 feet. Potential receptors are defined as

properties with irrigation, extraction, or monitoring wells or live in structures with a subgrade basement. A tenant interviewed at 480 42nd Street stated that the property had an irrigation well. Due to the well casing likely being screened at a greater depth, the well's cross gradient location, and the well's distance from the subject site, potential impact to this irrigation well, is considered to be minimal to nonexistent.

As illustrated on Figure 5, downgradient commercial structures generally do not have basements, irrigation wells, or groundwater extraction wells.

7.2 Risk Assessment

ACC evaluated a conceptual site model for potential human exposures based on its current understanding of residual BTEX concentrations in groundwater. With the exception of utility workers working in 43rd Street and occupational exposure at 489 43rd Street, no other receptors were identified.

In order to evaluate the potential human health risk associated with residual BTEX concentrations in soil and groundwater, ACC consulted the United States Environmental Protection Agency Region 9 Preliminary Remediation Goals (PRGs) for soil and the Farmer's Simplified Indoor and Box Models Table G-1 for groundwater. PRGs are utilized by many local oversight agencies to evaluate applicable soil and groundwater cleanup levels and the Farmer's lookup tables were formerly used by the RWQCB to help initially assess human health risk for the listed constituents of concern. These two documents provide lookup tables to easily perform initial risk assessment and determine if additional, site-specific risk assessment is warranted.

No benzene was detected in the two ACC soil samples analyzed in 1996. Therefore, ACC assumes that no benzene is currently present in soil. Total xylenes were detected at 9 feet bgs. Xylene has a PRG of 210 ppm in soil in a residential setting. The worst case or highest xylene concentration in soil was 0.54 ppm in sample "SB1-9.0 at nine feet bgs." Assuming no degradation since 1996, and comparing 0.54 ppm xylenes to its residential PRG, one finds that this concentration is 388 times lower.

ACC compared residual groundwater benzene concentrations to the Farmer's Simplified Indoor and Box Models Table G-1. A copy is attached as Appendix C. Based on a depth of 10 feet, sand soil conditions, and a benzene concentration of 100 ppb (one of the tables' listed values), the calculated excess lifetime cancer risk (ELCR) for occupational inhalation exposure is 8.39E-06. The proportional ELCR using a benzene concentration of 250 ppb (benzene in well MW-4 in December 2000 was 240 ppb) is 2.10E-05. The ELCR using a benzene concentration of 5 ppb (the lowest concentration on table G-1 and the estimated groundwater benzene concentration midpoint between Weiss well MW-1A and ACC well MW-4) is 4.19E-07. The conservative ELCR is 1.00E-06 and the value typically used by regulatory agencies is 1.00E-05.

The potential risk to human health from residual benzene in soil and groundwater is acceptable. Current low residual BTEX concentrations in soil and groundwater suggest that the potential for

8.0 REQUEST FOR REGULATORY CLOSURE

According to the RWQCB's 'Supplemental Instructions to State Water Board December 8, 1995, Interim Guidance on Required Cleanup at Low-Risk Fuel Sites', the subject site qualifies as a 'low risk groundwater case' based on the following data.

- All significant sources of petroleum hydrocarbons have been removed.
- The site has been adequately characterized. Petroleum hydrocarbons were not detected above 100 ppm in soil samples collected from soil borings, and the plume of impacted groundwater has been delineated. Based on analytical results and field observations, the site does not pose a threat to human health or the environment, and no sensitive receptors have been identified.
- Based on results of a well survey and door-to-door survey downgradient off the site, no water wells or deeper drinking water aquifers will be impacted. Due to the restricted nature of the hydrocarbon plume and limited migration potential, no surface waters are likely to be impacted.
- The depth to groundwater, the fine-grained nature of the water bearing zone, and the lack of documented downgradient receptors suggests that the site poses no significant risk to human health.
- Source removal activities have largely remediated the suspect source area.
- The first encountered water bearing zone is shallow, contains relatively poor quality water with elevated TDS, and is not a current, or likely, future source of potable water.
- No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors have been or will be impacted by this release.
- The site presents no significant risk to human health or the environment due to the low residual concentrations of petroleum hydrocarbons.

9.0 REFERENCES

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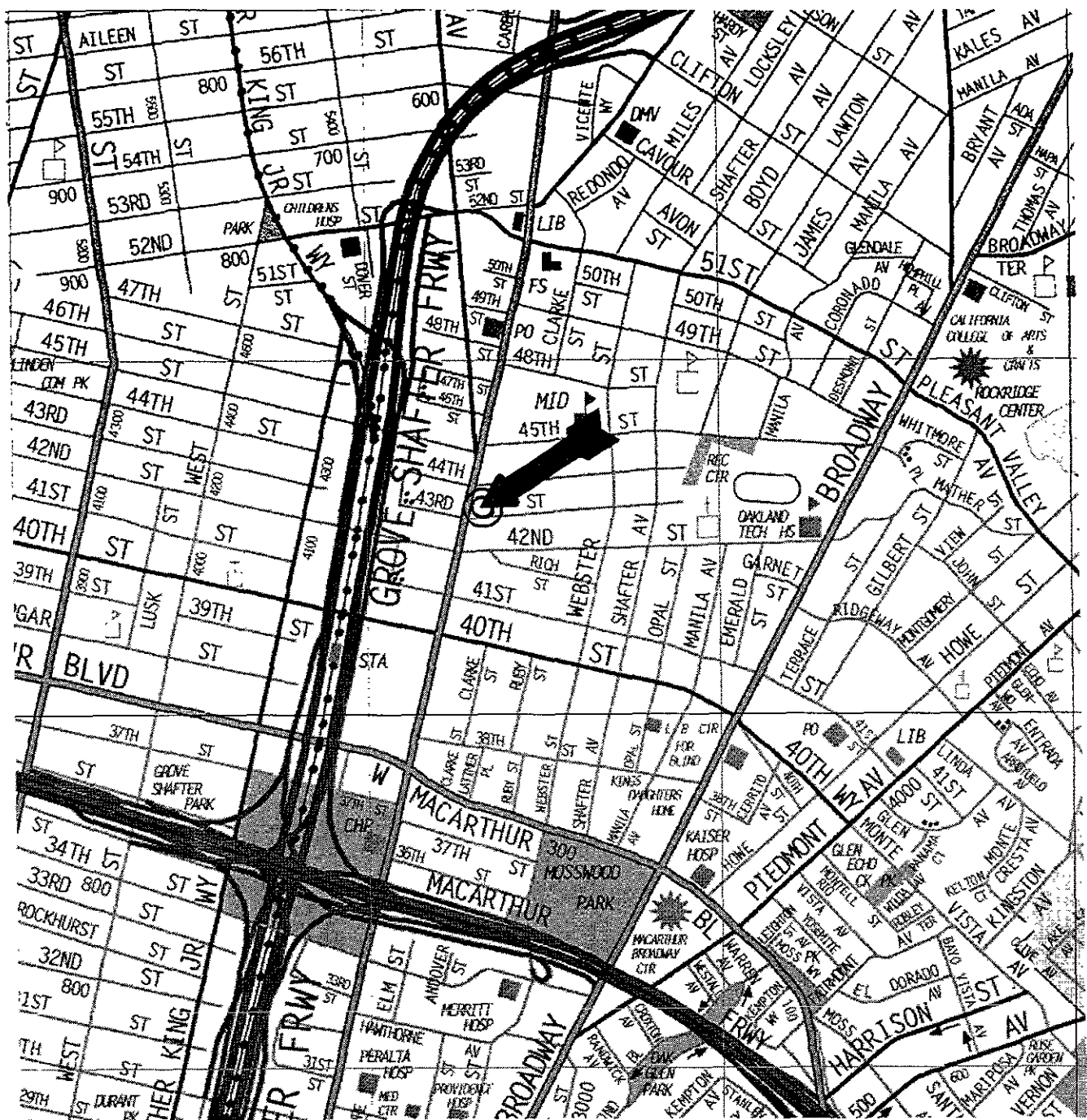
Lawrence Livermore National Laboratory, Environmental Protection Department. October 16, 1995. *Recommendations to Improve the Cleanup Process for California's Leaking Underground Fuel Tanks (LUFTs)*. Prepared by David W. Rice, et al., submitted to the California State Water Resources Control Board and the Senate Bill 1764 Leaking Underground Fuel Tank Advisory Committee.

10.0 LIMITATIONS

The service performed by ACC has been conducted in a manner consistent with the levels of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area. No other warranty, expressed or implied, is made.

The conclusions presented in this report are professional opinions based on the indicated data described in this report and applicable regulations and guidelines currently in place. They are intended only for the purpose, site, and project indicated. Opinions and recommendations presented herein apply to site conditions existing at the time of our study.

ACC has included analytical results from a state-certified laboratory, which performs analyses according to procedures suggested by the U.S. Environmental Protection Agency and the State of California. ACC is not responsible for laboratory errors in procedure or result reporting.



SOURCE Thomas Cole CD ROM, 1997

Title: Location Map
490 43rd Street
Oakland, California

Figure Number 1

Scale 1" = 1/4 Mile

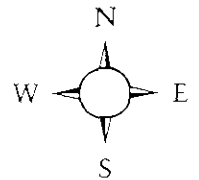
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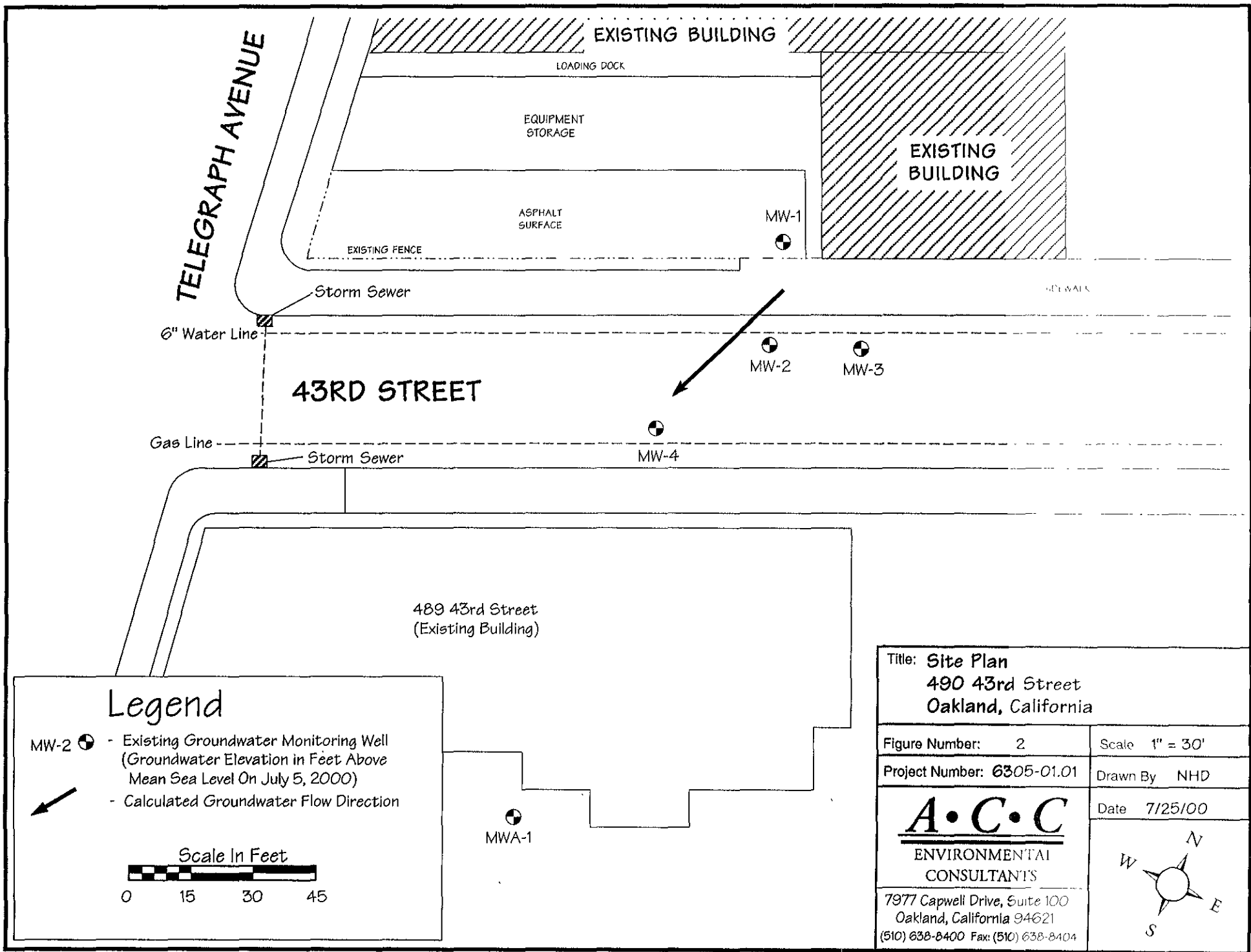
Drawn By NHD

A.C.C.
ENVIRONMENTAL
CONSULTANTS



Date 04/07/00

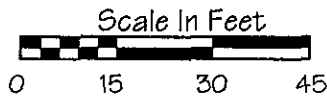
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Carson, California 94521
510-838-5100 Fax 510-838-8474

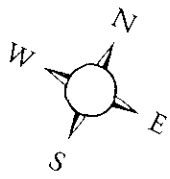


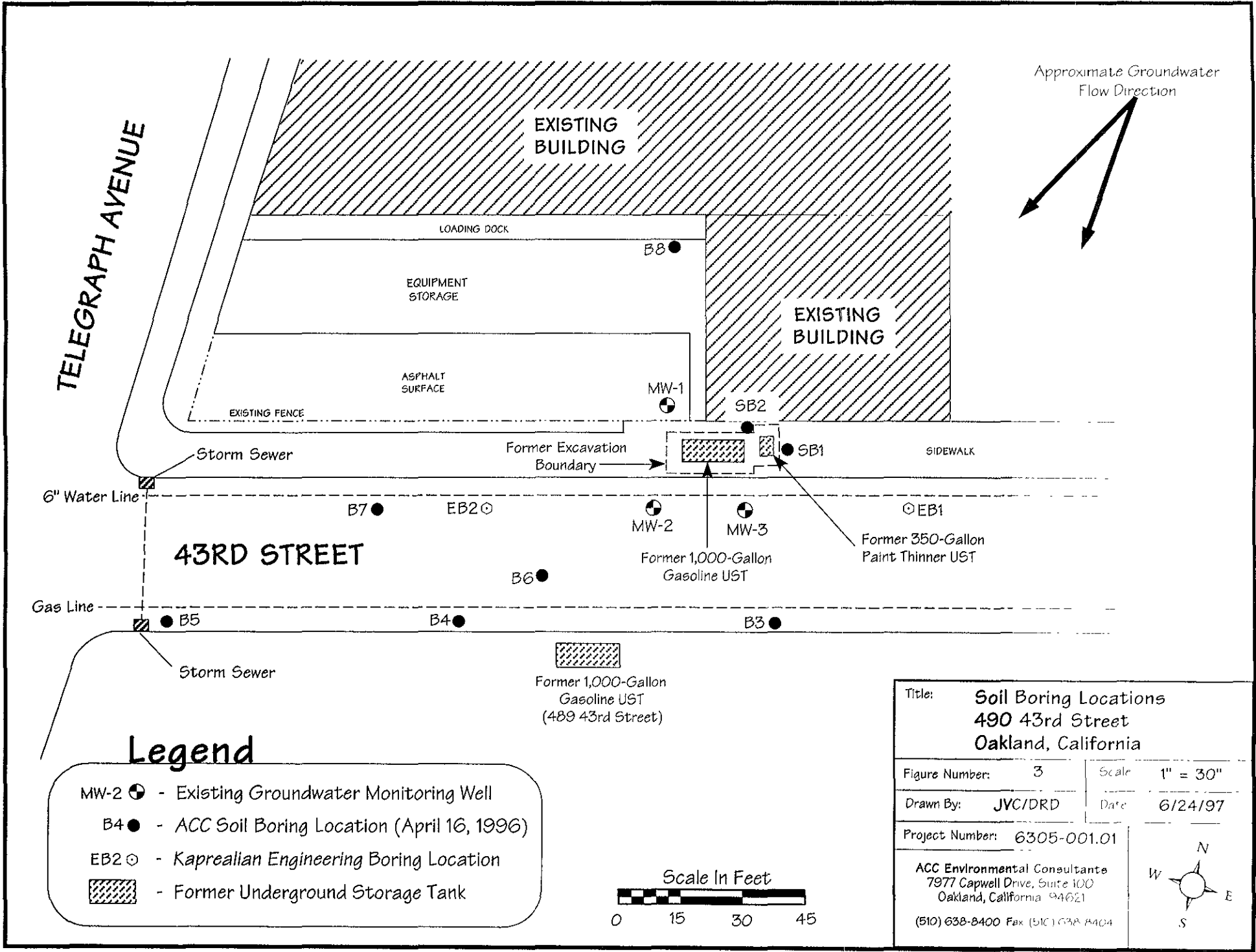


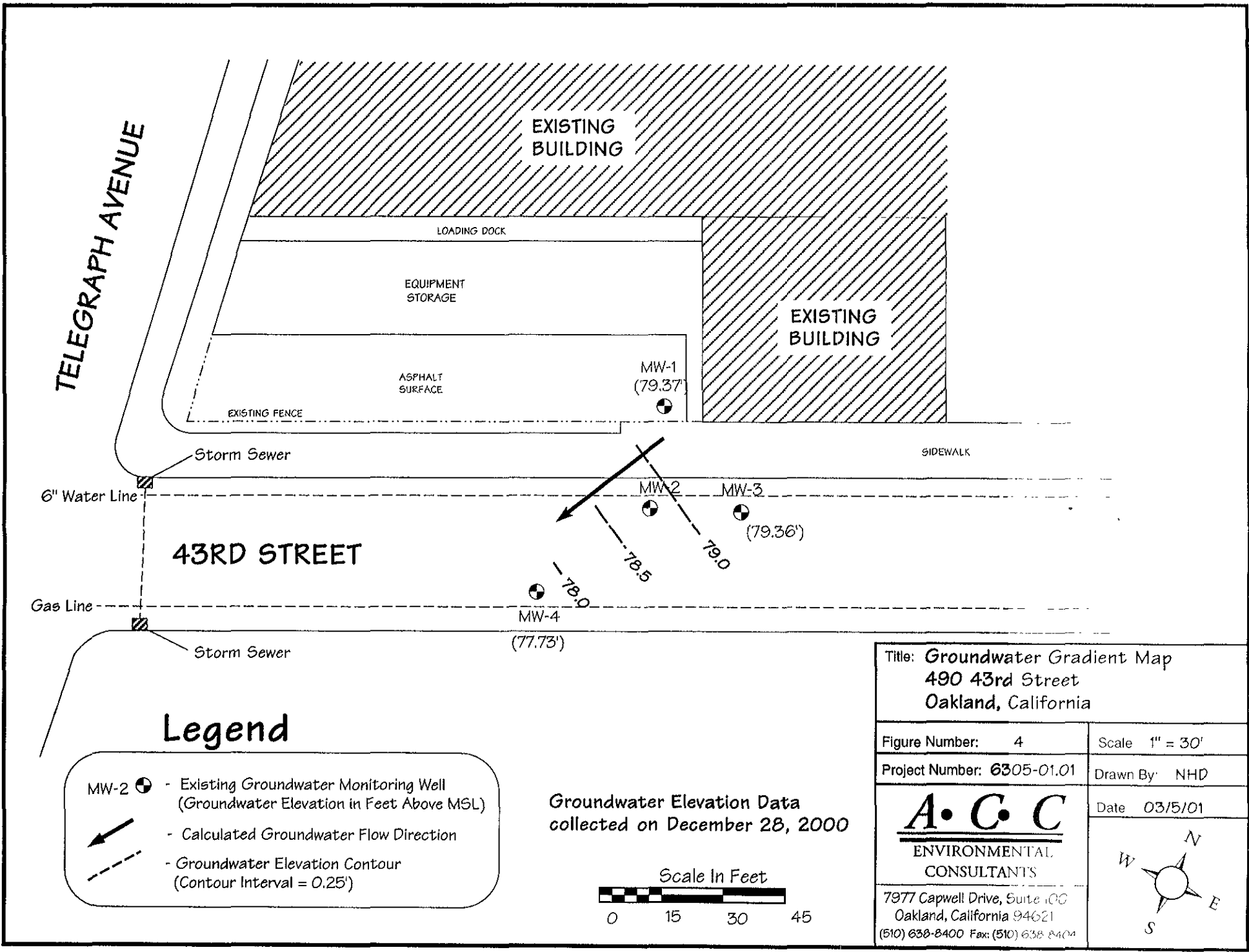
Legend

- MW-2  - Existing Groundwater Monitoring Well (Groundwater Elevation in Feet Above Mean Sea Level On July 5, 2000)
-  - Calculated Groundwater Flow Direction



Title: Site Plan 490 43rd Street Oakland, California	
Figure Number: 2	Scale 1" = 30'
Project Number: 6305-01.01	Drawn By NHD
A·C·C ENVIRONMENTAL CONSULTANTS	
7977 Capwell Drive, Suite 100 Oakland, California 94621 (510) 638-8400 Fax: (510) 638-8404	
Date 7/25/00	

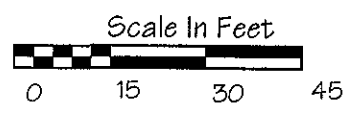




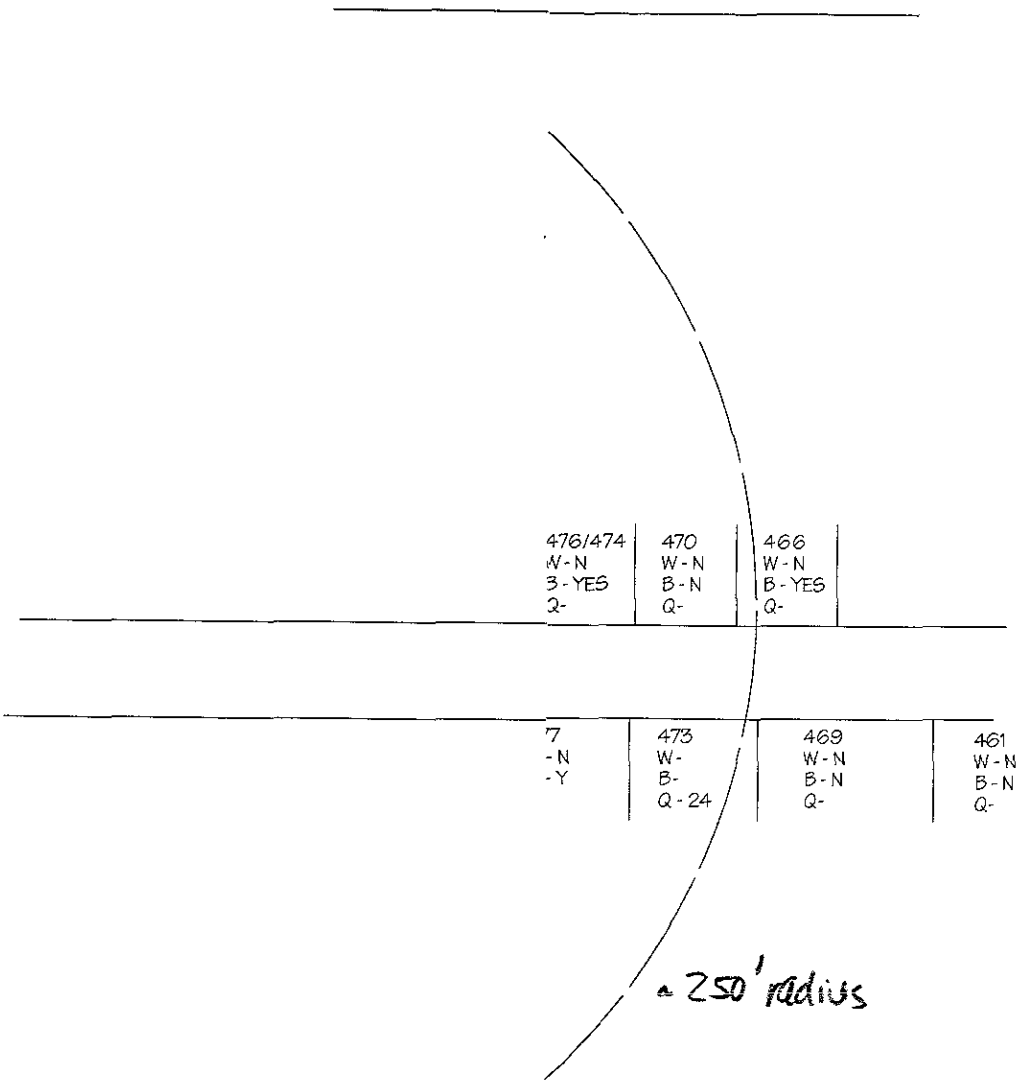
Legend

- MW-2 - Existing Groundwater Monitoring Well (Groundwater Elevation in Feet Above MSL)
- Calculated Groundwater Flow Direction
- Groundwater Elevation Contour (Contour Interval = 0.25')

Groundwater Elevation Data
collected on December 28, 2000



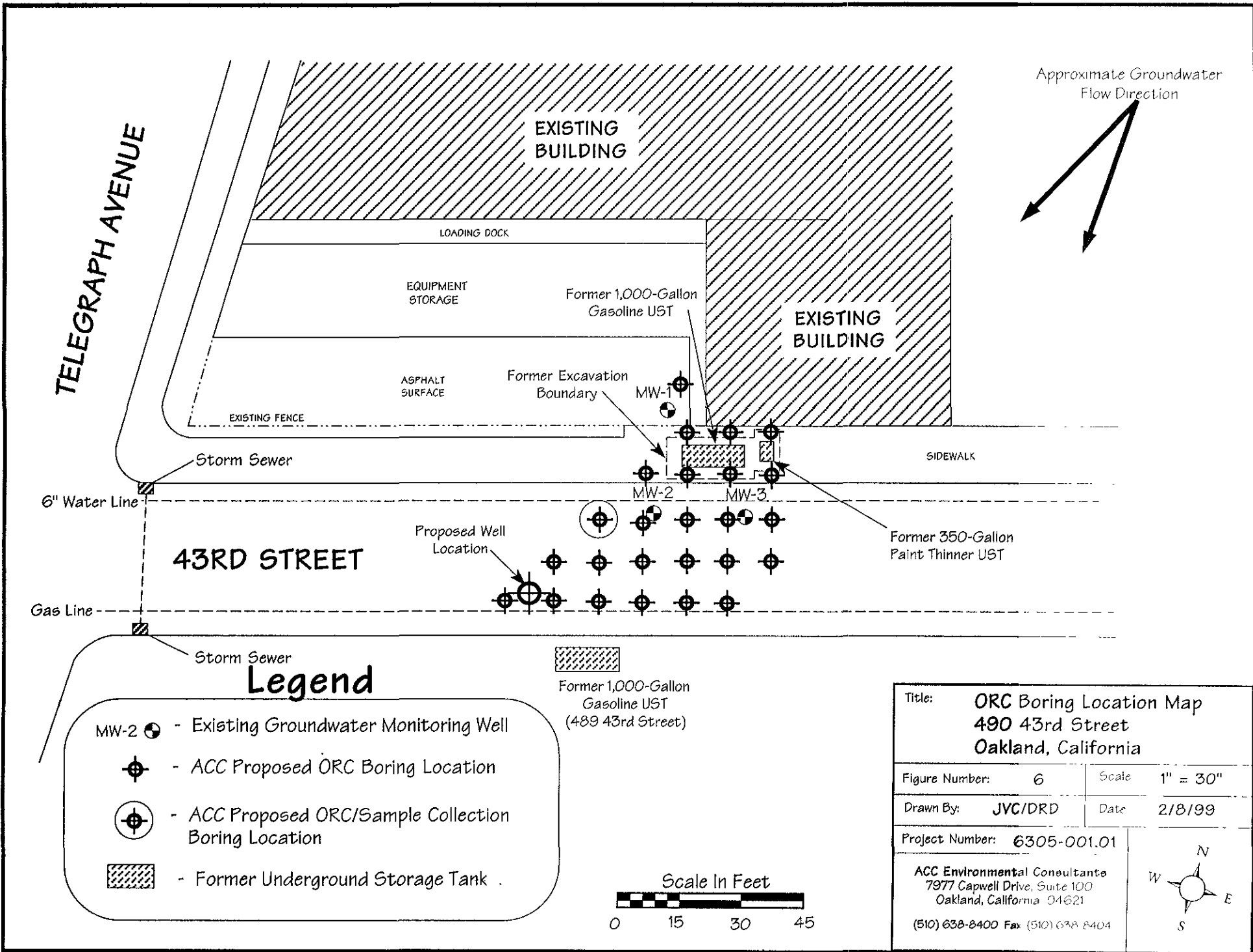
Title: Groundwater Gradient Map 490 43rd Street Oakland, California	
Figure Number: 4	Scale 1" = 30'
Project Number: 6305-01.01	Drawn By: NHD
A • C • C ENVIRONMENTAL CONSULTANTS	
7977 Capwell Drive, Suite 100 Oakland, California 94621 (510) 638-8400 Fax: (510) 638-8404	
Date 03/5/01	



≈ 250' radius

Title: Receptor Survey Radius Map 490 43rd Street Oakland, California	
Figure Number 5	Scale 1" = 75'
Project Number	Drawn By NHD
<p>A·C·C ENVIRONMENTAL CONSULTANTS</p> <p>1877 Lakes Drive, Suite 100 Berkeley, California 94702 Tel: (415) 863-1100</p>	Date 01/12/01

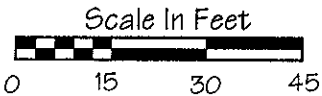
(Yes)
(ible)



Legend

- MW-2 - Existing Groundwater Monitoring Well
- ACC Proposed ORC Boring Location
- ACC Proposed ORC/Sample Collection Boring Location
- Former Underground Storage Tank

Former 1,000-Gallon Gasoline UST (489 43rd Street)



Title: ORC Boring Location Map 490 43rd Street Oakland, California	
Figure Number: 6	Scale 1" = 30"
Drawn By: JVC/DRD	Date 2/8/99
Project Number: 6305-001.01	
ACC Environmental Consultants 7977 Capwell Drive, Suite 100 Oakland, California 94621 (510) 638-8400 Fax (510) 638-8404	

APPENDICES

#WS01-002

**Alameda County Public Works Agency
Engineering & Construction Department
Water Resources Section**



WELL OWNERS REQUEST FOR WELL COMPLETION REPORT

As owner of the well(s) described below, I hereby request a copy of the Well Completion Report on file with the Water Resources Section of Alameda County Public Works Agency, California Water Code Section 13752 permits release of Well Completion Reports on written authorization by the well owner. Adequate information is necessary to correctly identify the log for the well and must be provided before a search for the log can begin.

490 43rd Street, Oakland
* Property Location: Street Address, City
1/4 mile radius
* Location of Well(s): Distance/Directions from Landmarks
All wells (MW-1 through MW-4)
* Other Identifying Information: Well Type, Depth, Diameter, Well Number, Well Completion Report Number, etc.

I certify that I am the present owner of the well described above

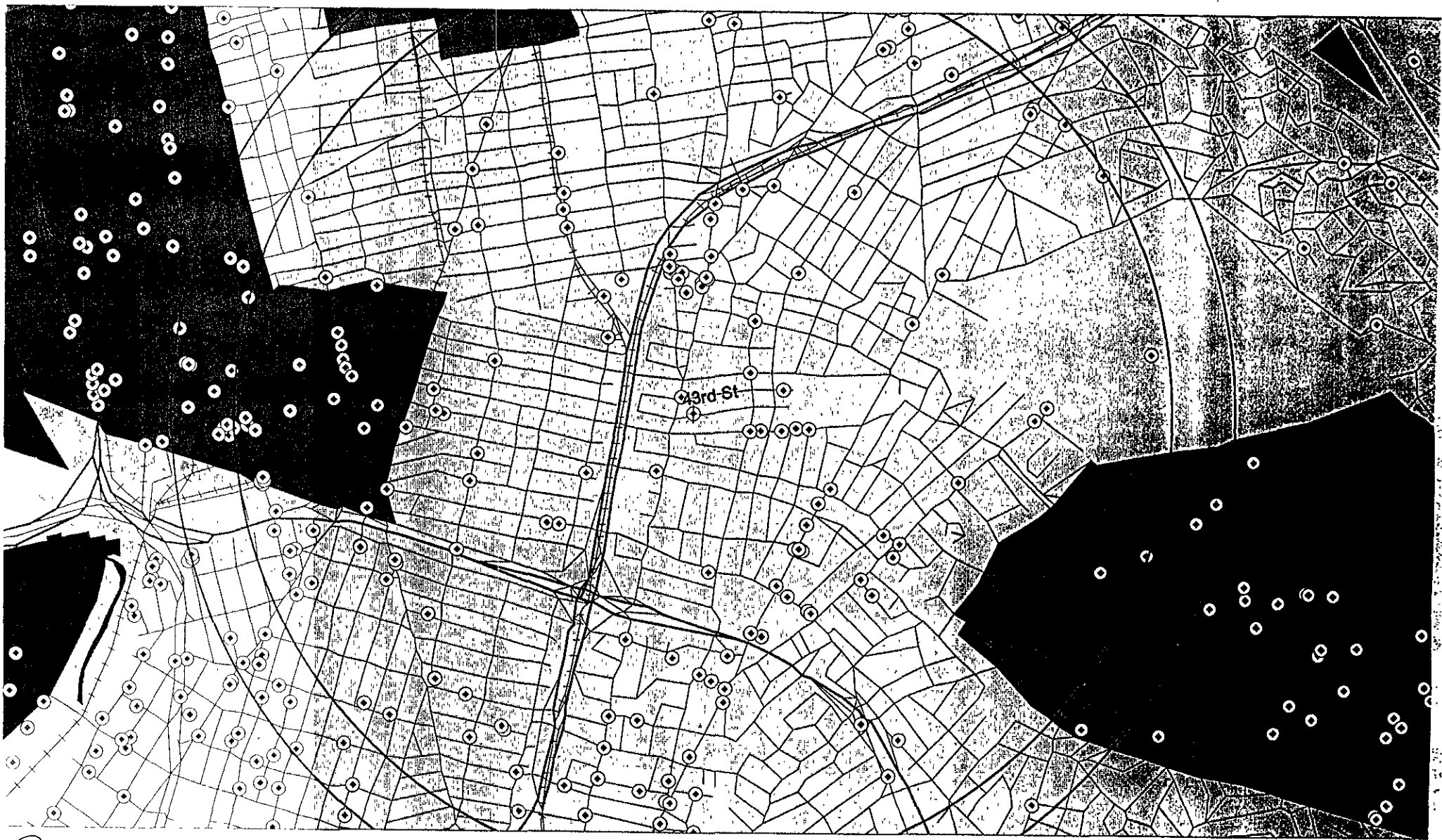
Requested copy of well completion report to be sent to (if other than owner):

Mr. John Ward Wells Fargo Trust
* Name
P.O. Box 63939
* Street Address
San Francisco CA 94163
* City, State and Zip Code
WardJM@WellsFargo.com
* E-mail Address
415-396-3019
* Telephone Number
415-983-0701
* Fax Number
01/12/01
* Date
[Signature]
* Signature

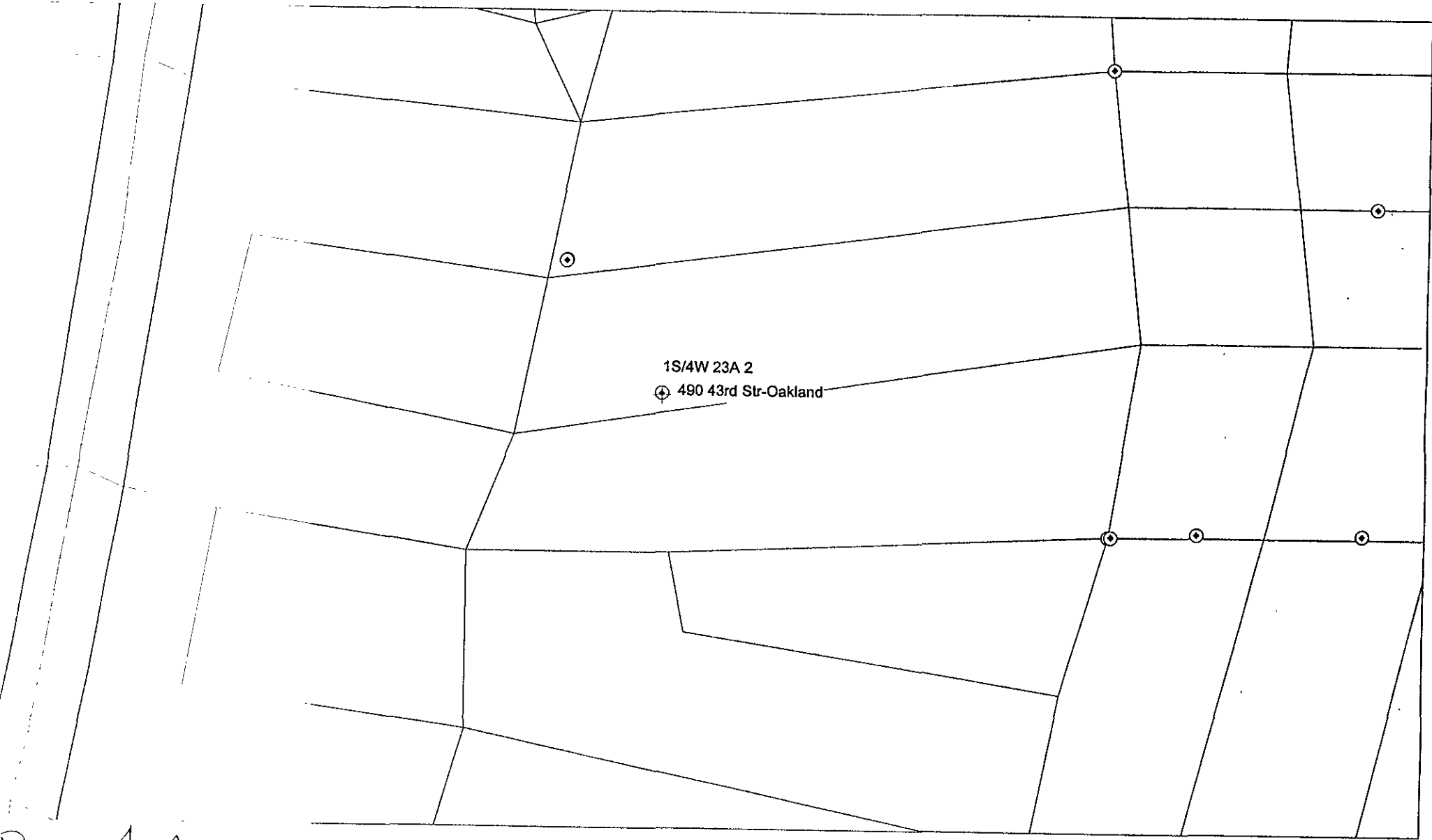
Neil Doran at
ACC Environmental Cons.
* Name
7977 Capwell Drive
* Street Address
Oakland CA 94621
* City, State and Zip Code
ndoran@accenv.com
* E-mail Address
(510) 638-8400 x.113
* Telephone Number
(510) 638-8404
* Fax Number
January 12, 2001
* Date
[Signature]
* Owners Signature Authorizing Release

JOHN M. WARD
ASSISTANT VICE PRESIDENT

WELLS FARGO BANK N.A. AS TRUSTEE



Page 1



1S/4W 23A 2
⊕ 490 43rd Str-Oakland

Permit	Tr	Section	Address	Longcity	Owner	Update	Xoord	Ycoord	Matchlevel	Tarqq	Rec_code
	1S/4W	14K 4	5509 Martin Luther Kin	Oakland	Chevron Oil MW-8	12/29/1994	122,269,202	37,840,248	1	1S/4W 14	0
	1S/4W	13G 4	5800 COLLEGE AVE	Berkeley	CHEVRON USA	06/28/1989	122,251,500	37,846,330	8	1S/4W 13	2,316
	1S/4W	12N 1	6392 TELEGRAPH AVE	Oakland	GIVENS INVESTMENT	06/28/1989	122,260,125	37,850,196	0	1S/4W 12	2,299
	1S/4W	12N 2	6407 TELEGRAPH	Oakland	ARCO PRODUCTS CO.	11/06/1989	122,260,237	37,850,602	2	1S/4W 12	2,300
	1S/4W	12N 3	6407 TELEGRAPH	Oakland	ARCO PRODUCTS CO.	11/06/1989	122,260,237	37,850,602	2	1S/4W 12	2,301
	1S/4W	12N 4	6407 TELEGRAPH	Oakland	ARCO PRODUCTS CO.	11/06/1989	122,260,237	37,850,602	2	1S/4W 12	2,302
	1S/4W	12N 5	6407 TELEGRAPH	Oakland	ARCO PRODUCTS CO.	11/06/1989	122,260,237	37,850,602	2	1S/4W 12	2,303
	1S/4W	13C 1	62 & HILLEGASS	Oakland	PG&E	07/31/1984	122,253,993	37,849,421	8	1S/4W 13	2,304
	1S/4W	13D 1	460 63RD ST	Oakland	PERALTA ELEMENTAR	07/31/1984	122,258,414	37,849,278	0	1S/4W 13	2,305
	1S/4W	13D 2	6125 TELEGRAPH AVE	Oakland	ARCO PETROLEUM	07/22/1986	122,260,567	37,847,838	0	1S/4W 13	2,306
	1S/4W	13D 3	6125 TELEGRAPH AVE	Oakland	ARCO PETROLEUM	07/22/1986	122,260,567	37,847,838	0	1S/4W 13	2,307
	1S/4W	13D 4	6125 TELEGRAPH AVE	Oakland	ARCO PETROLEUM	07/22/1986	122,260,567	37,847,838	0	1S/4W 13	2,308
	1S/4W	13D 5	6125 TELEGRAPH AVE	Oakland	THRIFTY OIL	01/21/1987	122,260,567	37,847,838	0	1S/4W 13	2,309
	1S/4W	13D 6	6125 TELEGRAPH AVE	Oakland	THRIFTY OIL	01/21/1987	122,260,567	37,847,838	0	1S/4W 13	2,310
	1S/4W	13D 7	6125 TELEGRAPH AVE	Oakland	THRIFTY OIL	01/21/1987	122,260,567	37,847,838	0	1S/4W 13	2,311
	1S/4W	13E 1	MARTIN & HERMANN	Oakland	PG&E	07/31/1984	122,258,300	37,844,900	0	1S/4W 13	2,312
	1S/4W	13G 1	5800 COLLEGE AVE	Berkeley	CHEVRON USA	06/28/1989	122,251,500	37,846,330	8	1S/4W 13	2,313
	1S/4W	13G 2	5800 COLLEGE AVE	Berkeley	CHEVRON USA	06/28/1989	122,251,500	37,846,330	8	1S/4W 13	2,314
	1S/4W	13G 3	5800 COLLEGE AVE	Berkeley	CHEVRON USA	06/28/1989	122,251,500	37,846,330	8	1S/4W 13	2,315
	1S/4W	26G21	477 25th St.	Oakland	United Glass MW-1	12/29/1994	122,266,775	37,814,637	1	1S/4W 26	0
	1S/4W	22H 2	HOLLIS ST. & PARK AV	Emeryville	DEL MONTE	06/15/1989	122,285,100	37,831,400	0	1S/4W 22	2,358
	1S/4W	22H 3	HOLLIS ST. & PARK AV	Emeryville	DEL MONTE	06/15/1989	122,285,100	37,831,400	0	1S/4W 22	2,359
	1S/4W	22H 4	HOLLIS ST. & PARK AV	Emeryville	DEL MONTE	06/15/1989	122,285,100	37,831,400	0	1S/4W 22	2,360
	1S/4W	22H 7	Hollis / Yerba Buena	Oakland	SFPRC	07/30/1990	122,284,300	37,829,000	3	1S/4W 22	764
	1S/4W	22H 8	Hollis / Yerba Buena	Oakland	SFPRC	07/30/1990	122,284,300	37,829,000	3	1S/4W 22	765
	1S/4W	22J 2	Union St & 32nd St	Oakland	Clawson School	07/26/1991	122,282,500	37,824,500	0	1S/4W 22	1,743
	1S/4W	22J 3	Union St & 32nd St	Oakland	Clawson School	07/26/1991	122,282,500	37,824,500	0	1S/4W 22	1,744
	1S/4W	22J 4	Union St & 32nd St	Oakland	Clawson School	07/26/1991	122,282,500	37,824,500	0	1S/4W 22	1,745
	1S/4W	22G16	4001 Hollis St.	Emeryville	Catellus Developmnt LF	01/18/1994	122,284,392	37,829,014	1	1S/4W 22	0
	1S/4W	23E80	4000 San Pablo Ave. L	Emeryville	Celis Alliance Fuel Stati	04/17/1995	122,279,149	37,831,326	1	1S/4W 23	0
	1S/4W	23E81	4000 San Pablo Ave. L	Emeryville	Celis Alliance Fuel Stati	04/17/1995	122,279,149	37,831,326	1	1S/4W 23	0
	1S/4W	23E82	4000 San Pablo Ave. L	Emeryville	Celis Alliance Fuel Stati	04/17/1995	122,279,149	37,831,326	1	1S/4W 23	0
	1S/4W	22A 2	4343 San Pablo Av	Emeryville	City of Emeryville Rede	07/16/1997	122,280,270	37,834,128	1	1S/4W 22	0
	1S/4W	22A 3	4343 San Pablo Av	Emeryville	City of Emeryville Rede	07/16/1997	122,280,270	37,834,128	1	1S/4W 22	0
	1S/4W	22A 4	4343 San Pablo Av	Emeryville	City of Emeryville Rede	07/16/1997	122,280,270	37,834,128	1	1S/4W 22	0
	1S/4W	22A 5	4343 San Pablo Av	Emeryville	City of Emeryville Rede	07/16/1997	122,280,270	37,834,128	1	1S/4W 22	0
	1S/4W	22A 6	4331 San Pablo Av	Emeryville	City of Emeryville	07/16/1997	122,280,145	37,833,776	1	1S/4W 22	0
	1S/4W	22A 7	4300 San Pablo Av	Emeryville	Emeryville Redevelopme	07/24/1997	122,279,799	37,833,430	1	1S/4W 22	0
	1S/4W	22J 1	3250 Hollis St	Oakland	Romak Iron Works	08/13/1997	122,282,880	37,825,329	1	1S/4W 22	0
	1S/4W	14K 3	5509 Martin Luther Kin	Oakland	Chevron Oil MW-7	12/29/1994	122,269,202	37,840,248	1	1S/4W 14	0
	1S/4W	14P 2	5509 Martin Luther Kin	Oakland	Chevron USA	01/15/1991	122,273,491	37,839,615	8	1S/4W 14	935

Phone	City	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use	Lo	W	W	Yield	Dtwcalc	Old_dbase
0	OAK	2/94	86	20	11	2	MO	G	0	0	0	75	D
0	BER	07/89	0	0	0	0	DES	G	0	0	0	0	L
0	OAK	7/88	0	29	11	2	MO	G	0	0	0	0	L
0	OAK	07/89	0	29	8	4	MO	G	0	0	0	0	L
0	OAK	07/89	0	29	8	4	MO	G	0	0	0	0	L
0	OAK	07/89	0	29	8	4	MO	G	0	0	0	0	L
0	OAK	07/89	0	28	8	4	MO	G	0	0	0	0	L
0	OAK	7/75	0	81	0	0	DES	D	0	0	0	0	L
0	OAK	8/74	0	0	0	0	GEO	G	0	0	0	0	L
0	OAK	6/86	0	30	16	2	TES	D	0	0	0	0	L
0	OAK	6/86	0	30	15	2	TES	D	0	0	0	0	L
0	OAK	6/86	0	30	16	2	TES	D	0	0	0	0	L
0	OAK	11/86	0	30	16	4	MO	G	0	0	0	0	L
0	OAK	11/86	0	27	16	4	MO	G	0	0	0	0	L
0	OAK	11/86	0	27	13	4	MO	G	0	0	0	0	L
0	OAK	7/74	0	78	17	0	CAT	D	0	0	0	0	L
0	BER	07/89	0	0	0	0	DES	G	0	0	0	0	L
0	BER	07/89	0	0	0	0	DES	G	0	0	0	0	L
0	BER	07/89	0	0	0	0	DES	G	0	0	0	0	L
0	OAK	1/94	0	20	9	2	MO	G	0	0	0	0	D
0	EME	01/89	0	20	10	2	MO	D	Y	0	0	0	L
0	EME	01/89	0	24	10	2	MO	D	Y	0	0	0	L
0	EME	01/89	0	25	11	2	MO	D	Y	0	0	0	L
0	OAK	02/90	9	20	6	4	MO	G	0	0	0	0	D
0	OAK	02/90	15	20	8	4	MO	G	0	0	0	0	D
0	OAK	5/91	0	17	8	2	MO	D	0	0	0	0	D
0	OAK	8/89	0	34	19	2	MO	G	0	0	0	0	D
0	OAK	6/91	98	19	14	2	MO	G	0	0	0	84	D
0	EME	7/93	0	20	14	2	MO	D	0	0	0	0	D
0	EME	6/94	0	0	0	0	DES	E	0	0	0	0	D
0	EME	6/94	0	0	0	0	DES	E	0	0	0	0	D
0	EME	6/94	0	0	0	0	DES	E	0	0	0	0	D
0	EME	6/95	0	17	7	4	MO	D	0	0	0	0	D
0	EME	6/95	0	15	10	4	MO	D	0	0	0	0	D
0	EME	6/95	0	15	8	4	MO	D	0	0	0	0	D
0	EME	6/95	0	15	8	4	MO	D	0	0	0	0	D
0	EME	2/95	0	24	14	2	MO	G	0	0	0	0	D
0	EME	3/94	0	15	8	2	MO	G	0	0	0	0	D
0	OAK	7/93	0	22	14	2	MO	D	0	0	0	0	D
0	OAK	2/94	86	20	11	2	MO	G	0	0	0	75	D
0	OAK	5/90	110	0	0	0	BOR	G	0	0	0	0	D

DA 2

Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tsrqq	Rec code
	1S/4W	14P 3	5509 Martin Luther Kin	Oakland	Chevron USA	01/15/1991	122,273,491	37,839,615	8	1S/4W 14	936
	1S/4W	14P 4	5509 Martin Luther Kin	Oakland	Chevron USA	01/15/1991	122,273,491	37,839,615	8	1S/4W 14	937
	1S/4W	14K 1	5425 Martin Luther Kin	Oakland	BP Oil Company	03/12/1991	122,269,194	37,840,923	8	1S/4W 14	1,199
	1S/4W	14K 2	5425 Martin Luther Kin	Oakland	BP Oil Company	03/12/1991	122,269,194	37,840,923	8	1S/4W 14	1,200
	1S/4W	14R	SHATTUCK AVE/49TH	Oakland	OAKLAND SHOPPING C	03/29/1988	122,263,750	37,838,500	2	1S/4W 14	6,539
	1S/4W	23M13	3420 San Pablo Avenu	Oakland	Shell Oil Company	06/08/1990	122,277,524	37,825,927	0	1S/4W 23	259
	1S/4W	23M14	3420 San Pablo Avenu	Oakland	Shell Oil Company	06/08/1990	122,277,524	37,825,927	0	1S/4W 23	260
	1S/4W	23M15	3420 San Pablo Avenu	Oakland	Shell Oil Company	06/08/1990	122,277,524	37,825,927	0	1S/4W 23	261
	1S/4W	23M16	3420 San Pablo Avenu	Oakland	Shell Oil Company	06/08/1990	122,277,524	37,825,927	0	1S/4W 23	262
	1S/4W	23M17	34200 San Pablo Aven	Oakland	Shell Oil Company	06/08/1990	122,277,524	37,825,927	3	1S/4W 23	263
	1S/4W	23D 2	989 41st Street	Oakland	California Linen Rental	06/27/1990	122,275,113	37,831,932	0	1S/4W 23	390
	1S/4W	23D 3	989 41st Street	Oakland	California Linen Rental	06/27/1990	122,275,113	37,831,932	0	1S/4W 23	391
	1S/4W	23D 4	989 41st Street	Oakland	California Linen Rental	06/27/1990	122,275,113	37,831,932	0	1S/4W 23	392
	1S/4W	23M18	3400 San Pablo Avenu	Oakland	Thrifty Oil Company	07/09/1990	122,277,468	37,825,787	0	1S/4W 23	518
	1S/4W	23E 2	1077 41ST STREET	Emeryville	MAYBORN PROPERTY	03/20/1991	122,278,484	37,832,245	0	1S/4W 23	1,366
	1S/4W	14R	51ST/M L KING JR WA	Oakland	CHILDREN'S HOSPITAL	03/29/1988	122,267,101	37,836,732	8	1S/4W 14	6,540
	1S/4W	23R	34TH & ELM STS	Oakland	MERRITT PERALTA INST	08/08/1988	122,265,800	37,822,800	8	1S/4W 23	6,543
	1S/4W	23N 5	3032 Market St	Oakland	C.H.O.C. Inc	07/17/1997	122,275,421	37,821,171	1	1S/4W 23	0
	1S/4W	23E83	1016 W MacArthur Blv	Oakland	Blazic Industrial Balanci	08/04/1997	122,277,972	37,828,813	1	1S/4W 23	0
	1S/4W	26H15	2630 Broadway	Oakland	Chevron Oil B-9 (MW-9)	12/29/1994	122,263,922	37,815,367	1	1S/4W 26	0
	1S/4W	26H16	2630 Broadway	Oakland	Chevron Oil B-10 (MW-	12/29/1994	122,263,922	37,815,367	1	1S/4W 26	0
	1S/4W	26H17	2630 Broadway	Oakland	Chevron Oil B-11 (MW-	12/29/1994	122,263,922	37,815,367	1	1S/4W 26	0
	1S/4W	26H18	2630 Broadway	Oakland	Chevron Oil B-12 (MW-	12/29/1994	122,263,922	37,815,367	1	1S/4W 26	0
	1S/4W	26G22	2633 Telegraph Av	Oakland	Sears	07/22/1997	122,267,719	37,815,695	1	1S/4W 26	0
	1S/4W	26G23	2633 Telegraph Av	Oakland	Sears	07/22/1997	122,267,719	37,815,695	1	1S/4W 26	0
	1S/4W	26G24	2633 Telegraph Av	Oakland	Sears	07/22/1997	122,267,719	37,815,695	1	1S/4W 26	0
	1S/4W	26H19	434 25th St	Oakland	Andre Mercier	07/24/1997	122,265,722	37,814,668	1	1S/4W 26	0
	1S/4W	26H20	434 25th St	Oakland	Andre Mercier	07/24/1997	122,265,722	37,814,668	1	1S/4W 26	0
	1S/4W	26H21	434 25th St	Oakland	Andre Mercier	07/24/1997	122,265,722	37,814,668	1	1S/4W 26	0
	1S/4W	14R27	5131 Shattuck Av	Oakland	Arco Products Co	07/24/1997	122,263,701	37,837,743	1	1S/4W 14	0
	1S/4W	14R22	5101 Telegraph Ave.	Oakland	Chevron MW2	01/13/1994	122,261,883	37,837,575	1	1S/4W 14	0
	1S/4W	13G 5	5800 COLLEGE AVE	Berkeley	CHEVRON USA	06/28/1989	122,251,500	37,846,330	8	1S/4W 13	2,317
	1S/4W	14A 1	62ND & RACINE OAK	Oakland	PG&E	07/31/1984	122,261,877	37,848,005	8	1S/4W 14	2,325
	1S/4W	14L 1	5702 ADELIN ST	Oakland	HUGAST SANTOS	07/31/1984	122,273,831	37,841,883	0	1S/4W 14	2,327
	1S/4W	13C 2	6066 Claremont Ave	Oakland	Shell Oil Co	08/03/1992	122,252,630	37,848,489	1	1S/4W 13	7,546
	1S/4W	13C 3	5929 College Ave	Oakland	Dryer's Ice Cream M	08/13/1992	122,252,750	37,846,972	1	1S/4W 13	7,604
	1S/4W	13C 4	5929 College Ave	Oakland	Dryer's Ice Cream M	08/13/1992	122,252,750	37,846,972	1	1S/4W 13	7,605
	1S/4W	13C 5	5929 College Ave	Oakland	Dryer's Ice Cream M	08/13/1992	122,252,750	37,846,972	1	1S/4W 13	7,606
	1S/4W	12N 6	6407 Telegraph Ave	Oakland	ARCO Products M	09/23/1992	122,260,237	37,850,602	1	1S/4W 12	7,964
	1S/4W	12N 7	6407 Telegraph Ave	Oakland	ARCO Products M	09/23/1992	122,260,237	37,850,602	1	1S/4W 12	7,965
	1S/4W	13H 1	LAWTON & MENDOCIN	Oakland	PG&E	07/31/1984	122,243,800	37,843,900	0	1S/4W 13	2,318

Pa 4

Phone	City	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use	Lo	W	W	Yield	Dtwcalc	Old_dbase
0	OAK	10/90	0	25	14	2	MO	D	0	0	0	0	D
0	OAK	10/90	0	20	11	2	MO	D	0	0	0	0	D
0	OAK	10/90	17	23	15	2	MO	D	0	0	0	2	D
0	OAK	10/90	83	28	11	4	MO	G	0	0	0	72	D
0	OAK	04/87	0	40	22	0	BOR	G	0	0	0	0	L
0	OAK	1/90	21	25	8	4	MO	G	0	0	0	13	D
0	OAK	1/90	22	20	8	4	MO	G	0	0	0	14	D
0	OAK	1/90	21	20	9	4	MO	G	0	0	0	12	D
0	OAK	1/90	21	20	7	4	MO	G	0	0	0	14	D
0	OAK	1/90	21	20	9	4	MO	G	0	0	0	12	D
0	OAK	9/89	54	22	8	4	MO	G	0	1	0	46	D
0	OAK	9/89	54	23	9	4	MO	G	0	1	0	45	D
0	OAK	9/89	53	22	7	4	MO	G	0	1	0	46	D
0	OAK	10/89	0	25	9	6	MO	D	0	0	0	0	D
0	EME	10/90	0	34	22	2	MO	D	0	0	0	0	D
0	OAK	12/87	94	51	19	0	BOR	G	0	0	0	43	L
0	OAK	06/88	0	30	14	0	BOR	G	0	0	0	0	L
0	OAK	3/95	0	20	12	2	MO	D	0	0	0	0	D
0	OAK	6/96	0	25	20	2	MO	G	0	0	0	0	D
0	OAK	7/94	0	20	0	2	MO	G	0	0	0	0	D
0	OAK	7/94	0	20	18	2	MO	G	0	0	0	0	D
0	OAK	7/94	0	20	18	2	MO	G	0	0	0	0	D
0	OAK	7/94	0	20	17	2	MO	G	0	0	0	0	D
0	OAK	12/93	25	22	14	2	MO	G	1	0	0	11	D
0	OAK	12/93	25	22	14	2	MO	G	1	0	0	11	D
0	OAK	12/93	26	22	14	2	MO	G	1	0	0	12	D
0	OAK	8/94	101	15	14	2	MO	G	0	0	0	87	D
0	OAK	8/94	101	15	15	2	MO	G	0	0	0	86	D
0	OAK	8/94	101	15	14	2	MO	G	0	0	0	87	D
0	OAK	6/93	0	27	0	4	EXT	D	0	0	0	0	D
0	OAK	9/93	0	25	0	2	MO	D	0	0	0	0	D
0	BER	07/89	0	0	0	0	DES	G	0	0	0	0	L
0	OAK	7/77	0	120	0	0	CAT	D	0	0	0	0	L
0	OAK	8/77	0	92	12	8	IND	D	0	0	20	0	L
0	OAK	8/91	0	32	17	4	MO	D	0	0	0	0	D
0	OAK	7/91	0	30	18	2	MO	G	0	0	0	0	D
0	OAK	7/91	0	28	15	4	MO	G	0	0	0	0	D
0	OAK	7/91	0	27	14	4	MO	G	0	0	0	0	D
0	OAK	4/92	0	26	8	4	MO	D	0	0	0	0	D
0	OAK	4/92	0	17	5	4	MO	D	0	0	0	0	D
0	OAK	12/73	0	120	0	0	CAT	D	0	0	0	0	L

Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tarqq	Rec_code
	4S/2W	1J 1	4499 PIEDMONT AV	Oakland	CYPRESS CEMETARY	08/16/1984	122,245,151	37,831,805	0	4S/2W 1J	6,329
	1S/4W	13G 6	5776 MILES AVE	Oakland	CITY OF OAKLAND	01/22/1990	122,249,585	37,845,872	0	1S/4W 13	6,536
	1S/4W	13G 7	5776 MILES AVE	Oakland	CITY OF OAKLAND	01/22/1990	122,249,585	37,845,872	0	1S/4W 13	6,537
	1S/4W	13G 8	5776 MILES AVE	Oakland	CITY OF OAKLAND	01/22/1990	122,249,585	37,845,872	0	1S/4W 13	6,538
	1S/4W	24H 2	5000 Piedmont Ave	Oakland	Mountain View Cemete	07/31/1992	122,239,290	37,834,534	1	1S/4W 24	7,510
	1S/4W	14R23	5101 Telegraph Ave.	Oakland	Chevron MW3	01/13/1994	122,261,883	37,837,575	1	1S/4W 14	0
	1S/4W	14R24	5101 Telegraph Ave.	Oakland	Chevron MW4	01/13/1994	122,261,883	37,837,575	1	1S/4W 14	0
	1S/4W	14R25	5101 Telegraph Ave.	Oakland	Chevron MW5	01/13/1994	122,261,883	37,837,575	1	1S/4W 14	0
	1S/4W	14H 2	5901 Shattuck Av	Oakland	Jack La Claire & Antho	07/17/1997	122,264,683	37,844,983	1	1S/4W 14	0
	1S/4W	14H 3	5901 Shattuck Av	Oakland	Jack La Claire & Antho	07/17/1997	122,264,683	37,844,983	1	1S/4W 14	0
	1S/4W	23F 2	3924 Market St	Oakland	San Francisco French Br	07/18/1997	122,273,422	37,830,332	1	1S/4W 23	0
	1S/4W	23F 3	3924 Market St	Oakland	San Francisco French Br	07/18/1997	122,273,422	37,830,332	1	1S/4W 23	0
	1S/4W	23F 4	3924 Market St	Oakland	San Francisco French Br	07/18/1997	122,273,422	37,830,332	1	1S/4W 23	0
	1S/4W	23C 1	4401 Market St	Oakland	Casimiro Damele	07/18/1997	122,272,566	37,834,133	1	1S/4W 23	0
	1S/4W	23C 2	4401 Market St	Oakland	Casimiro Damele	07/18/1997	122,272,566	37,834,133	1	1S/4W 23	0
	1S/4W	23C 3	4401 Market St	Oakland	Casimiro Damele	07/18/1997	122,272,566	37,834,133	1	1S/4W 23	0
	1S/4W	24E 5	368 42nd St	Oakland	Park Day School	07/23/1997	122,257,233	37,831,428	1	1S/4W 24	0
	1S/4W	14K 5	5714 Martin Luther Kin	Oakland	City of Oakland	07/24/1997	122,269,519	37,842,559	1	1S/4W 14	0
	1S/4W	14K 6	5714 Martin Luther Kin	Oakland	City of Oakland	07/24/1997	122,269,519	37,842,559	1	1S/4W 14	0
94208	1S/4W	14K 7	5714 Martin Luther Kin	Oakland	City of Oakland	07/24/1997	122,269,519	37,842,559	1	1S/4W 14	0
	1S/4W	13M 6	5427 Telegraph Av	Oakland	Telegraph Business Par	07/24/1997	122,261,670	37,839,904	1	1S/4W 13	0
	1S/4W	13M 7	5427 Telegraph Av	Oakland	Telegraph Business Par	07/24/1997	122,261,670	37,839,904	1	1S/4W 13	0
	1S/4W	13M 8	5427 Telegraph Av	Oakland	Telegraph Business Par	07/24/1997	122,261,670	37,839,904	1	1S/4W 13	0
	1S/4W	14R26	5131 Shattuck Av	Oakland	Arco Products Co	07/24/1997	122,263,701	37,837,743	1	1S/4W 14	0
	1S/4W	14R28	5131 Shattuck Av	Oakland	Arco Products Co	07/24/1997	122,263,701	37,837,743	1	1S/4W 14	0
	1S/4W	24F 1	4100 Broadway	Oakland	Southland Corporation	08/04/1997	122,255,464	37,828,956	1	1S/4W 24	0
	1S/4W	24F 2	4100 Broadway	Oakland	Southland Corporation	08/04/1997	122,255,464	37,828,956	1	1S/4W 24	0
	1S/4W	24F 3	4100 Broadway	Oakland	Southland Corporation	08/04/1997	122,255,464	37,828,956	1	1S/4W 24	0
	1S/4W	24F 4	4100 Broadway	Oakland	Southland Corporation	08/04/1997	122,255,464	37,828,956	1	1S/4W 24	0
	1S/4W	13C 6	6039 College Ave	Oakland	Shell Service Station	08/19/1997	122,251,923	37,848,491	1	1S/4W 13	0
	1S/4W	14H 1	5901 Shattuck Av	Oakland	Jack La Claire & Antho	07/17/1997	122,264,683	37,844,983	1	1S/4W 14	0
	1S/4W	13H 4	5775 Broadway	Oakland	Chevron USA - MW - 3	06/16/1993	122,245,447	37,844,501	1	1S/4W 13	0
	1S/4W	13H 5	5775 Broadway	Oakland	Chevron USA - MW - 1	06/16/1993	122,245,447	37,844,501	1	1S/4W 13	0
	1S/4W	13H 6	5775 Broadway	Oakland	Chevron USA - MW - 2	06/16/1993	122,245,447	37,844,501	1	1S/4W 13	0
	1S/4W	26F 3	633 Sycamore St	Oakland	Gilbert Lopez (MW-3)	12/21/1993	122,271,088	37,815,824	1	1S/4W 26	0
	1S/4W	26F 2	633 Sycamore St	Oakland	Gilbert Lopez (MW-2)	12/21/1993	122,271,088	37,815,824	1	1S/4W 26	0
	1S/4W	26G 7	2800 TELEGRAPH AV.	Oakland	SHELL OIL	06/15/1989	122,267,087	37,817,156	0	1S/4W 26	2,452
	1S/4W	26G 8	2800 TELEGRAPH AV	Oakland	SHELL OIL CO.	11/06/1989	122,267,087	37,817,156	2	1S/4W 26	2,453
	1S/4W	26G 9	2800 TELEGRAPH AV	Oakland	SHELL OIL CO.	11/06/1989	122,267,087	37,817,156	0	1S/4W 26	2,454
	1S/4W	26G10	2800 TELEGRAPH AV	Oakland	SHELL OIL CO.	11/06/1989	122,267,087	37,817,156	2	1S/4W 26	2,455
	1S/4W	26G11	2800 TELEGRAPH S1	Oakland	SHELL OIL	01/22/1990	122,267,087	37,817,156	2	1S/4W 26	2,459

Da 6

Phone	City	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use	Lo	W	W	Yield	Dtwcalc	Old_dbase
0	OAK	/66	70	0	0	0	?	?	0	0	0	0	L
0	OAK	04/89	100	28	18	0	PIE	G	0	0	0	0	L
0	OAK	04/89	101	28	23	0	PIE	G	0	0	0	0	L
0	OAK	04/89	99	33	18	2	MO	G	0	0	0	0	L
0	OAK	5/91	0	399	70	6	IRR	D	0	0	100	0	D
0	OAK	9/93	0	27	0	2	MO	D	0	0	0	0	D
0	OAK	9/93	0	22	0	2	MO	D	0	0	0	0	D
0	OAK	9/93	0	22	0	2	MO	D	0	0	0	0	D
0	OAK	3/94	0	13	0	4	MO	D	0	0	0	0	D
0	OAK	3/94	0	13	0	4	MO	D	0	0	0	0	D
0	OAK	5/95	57	21	15	2	MO	G	0	0	0	42	D
0	OAK	5/95	58	24	17	2	MO	G	0	0	0	41	D
0	OAK	5/95	57	24	14	2	MO	G	0	0	0	43	D
0	OAK	10/94	0	26	23	2	MO	G	1	1	0	0	D
0	OAK	10/94	0	28	26	2	MO	G	1	1	0	0	D
0	OAK	10/94	0	28	25	2	MO	G	1	1	0	0	D
0	OAK	2/94	0	28	0	2	MO	G	0	0	0	0	D
0	OAK	2/94	0	16	7	2	MO	D	0	0	0	0	D
0	OAK	2/94	0	16	7	2	MO	D	0	0	0	0	D
0	OAK	2/94	0	16	9	2	MO	D	0	0	0	0	D
0	OAK	12/93	0	20	7	2	MO	G	2	0	0	0	D
0	OAK	12/93	0	27	15	2	MO	G	2	0	0	0	D
0	OAK	12/93	0	20	12	2	MO	G	2	0	0	0	D
0	OAK	6/93	0	24	18	4	EXT	D	0	0	0	0	D
0	OAK	6/93	0	24	19	4	EXT	D	0	0	0	0	D
0	OAK	12/93	93	19	15	4	MO	G	0	0	0	78	D
0	OAK	12/93	92	25	16	4	MO	G	0	0	0	76	D
0	OAK	12/93	92	24	20	4	MO	G	0	0	0	72	D
0	OAK	12/93	93	13	10	2	MO	G	0	0	0	83	D
0	OAK	9/93	193	25	15	2	MO	G	0	0	0	178	D
0	OAK	3/94	0	25	15	2	MO	D	0	0	0	0	D
0	OAK	8/92	0	43	0	2	MO	D	0	0	0	0	D
0	OAK	8/92	0	43	41	2	MO	D	0	0	0	0	D
0	OAK	8/92	0	38	27	2	MO	D	0	0	0	0	D
0	OAK	8/93	0	23	11	2	MO	D	0	0	0	0	D
0	OAK	8/93	0	22	9	2	MO	D	0	0	0	0	D
0	OAK	10/88	0	30	12	3	MO	G	0	0	0	0	L
0	OAK	09/89	26	22	11	3	MO	G	0	0	0	0	L
0	OAK	09/89	26	32	14	3	MO	G	0	0	0	0	L
0	OAK	09/89	27	31	14	3	MO	G	0	0	0	0	L
0	OAK	10/89	0	31	14	3	MO	D	0	0	0	0	L

DOF

Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tsrqq	Rec_code
	1S/4W	26H 1	28 & VALDEZ ST	Oakland	CHRSTN CHURCH HO	07/31/1984	122,262,100	37,816,600	8	1S/4W 26	2,460
	1S/4W	26H 3	2740 BROADWAY	Oakland	BROADWAY VW	06/15/1989	122,263,401	37,816,191	0	1S/4W 26	2,462
	1S/4W	26H 4	2740 BROADWAY	Oakland	BROADWAY VW	06/15/1989	122,263,401	37,816,191	0	1S/4W 26	2,463
	1S/4W	26H 5	2740 BROADWAY	Oakland	BROADWAY VW	06/15/1989	122,263,401	37,816,191	0	1S/4W 26	2,464
	1S/4W	23K 5	731 W MacArthur	Oakland	ARCO Prod. Co A	09/26/1992	122,269,236	37,827,456	1	1S/4W 23	8,104
	1S/4W	26G12	2800 TELEGRAPH S-	Oakland	SHELL OIL S-2	06/17/1993	122,267,087	37,817,164	1	1S/4W 26	0
	1S/4W	23K 6	731 W MacArthur	Oakland	ARCO Prod. Co	06/18/1993	122,269,867	37,827,510	1	1S/4W 23	0
	1S/4W	23K 7	731 W MacArthur	Oakland	ARCO Prod. Co	06/18/1993	122,269,867	37,827,510	1	1S/4W 23	0
	1S/4W	23K 8	731 W MacArthur	Oakland	ARCO Prod. Co	06/18/1993	122,269,867	37,827,510	1	1S/4W 23	0
	1S/4W	23K 9	731 W MacArthur	Oakland	ARCO Prod. Co	06/18/1993	122,269,867	37,827,510	1	1S/4W 23	0
	1S/4W	26G16	2633 Telegraph Ave.	Oakland	Sears Roebuck & Co.	07/15/1993	122,267,754	37,815,668	1	1S/4W 26	0
	1S/4W	26G17	2633 Telegraph Ave.	Oakland	Sears Roebuck & Co.	07/15/1993	122,267,754	37,815,668	1	1S/4W 26	0
	1S/4W	26G18	2633 Telegraph Ave.	Oakland	Sears Roebuck & Co.	07/15/1993	122,267,754	37,815,668	1	1S/4W 26	0
	1S/4W	26G19	2633 Telegraph Ave.	Oakland	Sears Roebuck & Co.	07/15/1993	122,267,754	37,815,668	1	1S/4W 26	0
	1S/4W	26G20	2633 Telegraph Ave.	Oakland	Sears Roebuck & Co.	07/15/1993	122,267,754	37,815,668	1	1S/4W 26	0
	1S/4W	24M 6	411 W. MacArthur Blvd	Oakland	Unocal Corporation M	07/22/1993	122,261,593	37,825,545	1	1S/4W 24	0
	1S/4W	24M 7	411 W. MacArthur Blvd	Oakland	Unocal Corporation M	07/22/1993	122,261,593	37,825,545	1	1S/4W 24	0
	1S/4W	24P	230 MAC ARTHUR BLV	Oakland	GETTLER-RYAN (SHELL	07/22/1986	122,252,335	37,817,343	0	1S/4W 24	6,546
	1S/4W	26H10	2740 Broadway	Oakland	Vorelco, Inc.	08/03/1992	122,263,401	37,816,191	1	1S/4W 26	7,533
	1S/4W	26H11	2740 Broadway	Oakland	Vorelco, Inc.	08/03/1992	122,263,401	37,816,191	1	1S/4W 26	7,534
	1S/4W	26H	2827 Webster	Oakland	Alan Rudy B-1	08/14/1992	122,263,492	37,817,097	1	1S/4W 26	7,679
	1S/4W	26H12	294 27th St	Oakland	MR & RB Partnership M	04/08/1993	122,262,219	37,815,026	1	1S/4W 26	8,380
	1S/4W	26H13	294 27th St	Oakland	MR & RB Partnership M	04/08/1993	122,262,219	37,815,026	1	1S/4W 26	8,381
	1S/4W	26H14	2827 Webster St.	Oakland	Alan Rudy B-2	07/13/1993	122,263,483	37,817,098	1	1S/4W 26	0
	1S/4W	26F 1	633 Sycamore St	Oakland	Gilbert Lopez (MW-1)	12/21/1993	122,271,088	37,815,824	1	1S/4W 26	0
	1S/4W	26D 6	958 28th Street	Oakland	Aratex Servisco	06/21/1990	122,277,660	37,819,674	0	1S/4W 26	305
	1S/4W	26D 7	958 28th Street	Oakland	Aratex Servisco	06/21/1990	122,277,660	37,819,674	0	1S/4W 26	306
	1S/4W	23N 2	936 Brockhurst Street	Oakland	Loomis Armored, Inc.	03/28/1991	122,275,799	37,823,757	0	1S/4W 23	1,555
	1S/4W	23N 3	936 Brockhurst Street	Oakland	Loomis Armored, Inc.	03/28/1991	122,275,799	37,823,757	0	1S/4W 23	1,556
	1S/4W	23N 4	936 Brockhurst Street	Oakland	Loomis Armored, Inc.	03/28/1991	122,275,799	37,823,757	0	1S/4W 23	1,557
	1S/4W	26D 8	958 28th St	Oakland	AraTex Service Inc.MW	09/24/1991	122,277,660	37,819,674	0	1S/4W 26	1,996
	1S/4W	26D 9	958 28th St	Oakland	AraTex Service Inc.MW	09/24/1991	122,277,660	37,819,674	0	1S/4W 26	1,997
	1S/4W	26D	958 28th Street	Oakland	Aratex Servisco	06/21/1990	122,277,660	37,819,674	0	1S/4W 26	303
	1S/4W	26D 5	958 28th Street	Oakland	Aratex Servisco	06/21/1990	122,277,660	37,819,674	0	1S/4W 26	304
	1S/4W	23R	3300 WEBSTER ST	Oakland	PAUL FABERMAN & C	01/10/1990	122,262,011	37,821,412	0	1S/4W 23	6,544
	1S/4W	23R	3300 WEBSTER ST	Oakland	PAUL FABERMAN & C	01/22/1990	122,262,011	37,821,412	0	1S/4W 23	6,545
	1S/4W	25L80	ADAMS & LEE ST	Oakland	PG&E	07/31/1984	122,257,500	37,813,700	0	1S/4W 25	2,422
	1S/4W	25M 1	225 27TH ST	Oakland	EHLER CONTRACTORS	01/22/1990	122,261,532	37,813,806	8	1S/4W 25	2,423
	1S/4W	25M 2	225 27TH ST	Oakland	EHLER CONTRACTORS	01/22/1990	122,261,532	37,813,806	8	1S/4W 25	2,424
	1S/4W	25M 3	225 27TH ST	Oakland	EHLER CONTRACTORS	01/22/1990	122,261,532	37,813,806	8	1S/4W 25	2,425
	1S/4W	22G15	Hollis / Yerba Buena	Oakland	Catellus Development L	01/07/1994	122,284,327	37,828,979	1	1S/4W 22	0

DAG

Phone	City	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use	Lo	W	W	Yield	Dtwcalc	Old_dbase
0	OAK	?	0	0	0	0	GEO	G	0	0	0	0	L
0	OAK	01/89	0	20	7	2	MO	G	0	0	0	0	L
0	OAK	01/89	0	20	11	2	MO	G	0	0	0	0	L
0	OAK	01/89	0	20	11	2	MO	G	0	0	0	0	L
0	OAK	1/92	0	16	0	2	MO	D	0	0	0	0	D
0	OAK	4/93	0	29	0	3	DES	D	0	0	0	0	D
0	OAK	6/92	0	30	11	6	MO	D	0	0	0	0	D
0	OAK	6/92	0	28	7	6	MO	D	0	0	0	0	D
0	OAK	6/92	0	30	11	4	MO	D	0	0	0	0	D
0	OAK	6/92	0	30	10	3	MO	D	0	0	0	0	D
0	OAK	12/92	27	22	12	2	MO	G	0	0	0	0	D
0	OAK	12/92	27	22	12	2	MO	G	0	0	0	0	D
0	OAK	12/92	27	25	13	2	MO	G	0	0	0	0	D
0	OAK	12/92	27	23	13	2	MO	G	0	0	0	0	D
0	OAK	12/92	27	25	11	2	MO	G	0	0	0	16	D
0	OAK	11/92	0	30	22	2	MO	G	0	0	0	0	D
0	OAK	11/92	0	30	20	2	MO	G	0	0	0	0	D
0	OAK	4/86	75	20	13	0	BOR	G	0	0	0	62	L
0	OAK	10/91	0	30	8	4	MO	D	0	0	0	0	D
0	OAK	10/91	0	27	11	4	MO	D	0	0	0	0	D
0	OAK	8/91	0	10	0	2	BOR	G	0	0	0	0	D
0	OAK	2/93	0	18	8	2	MO	D	0	0	0	0	D
0	OAK	2/93	0	17	7	2	MO	D	0	0	0	0	D
0	OAK	8/91	0	10	0	0	BOR	E	0	0	0	0	D
0	OAK	8/93	0	22	9	2	MO	D	0	0	0	0	D
0	OAK	3/90	0	30	17	4	MO	G	0	0	0	0	D
0	OAK	2/90	0	30	18	4	MO	G	0	0	0	0	D
0	OAK	8/90	0	17	14	2	MO	G	0	0	0	0	D
0	OAK	8/90	28	35	16	4	MO	G	0	0	0	12	D
0	OAK	8/90	29	35	15	4	MO	G	0	0	0	14	D
0	OAK	7/91	0	27	13	4	MO	G	0	0	0	20	D
0	OAK	7/91	0	30	14	4	MO	G	0	0	0	20	D
0	OAK	3/90	0	0	0	9	BOR	G	0	0	0	0	D
0	OAK	3/90	0	25	22	2	MO	G	0	0	0	0	D
0	OAK	05/89	0	24	0	6	BOR	G	0	0	0	0	L
0	OAK	05/89	0	24	23	6	BOR	G	0	0	0	0	L
0	OAK	8/74	0	120	0	0	CAT	D	0	0	0	0	L
0	OAK	06/89	0	13	7	4	MO	G	0	0	0	0	L
0	OAK	06/89	0	11	4	4	MO	G	0	0	0	0	L
0	OAK	06/89	0	8	4	4	MO	G	0	0	0	0	L
0	ALA	1/94	0	20	10	4	MO	G	0	0	0	0	D

DaA

Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tarqq	Rec_code	
94117	1S/4W	22G 6	1333 Park	Emeryville	City of Emeryville	06/03/1992	122,284,698	37,831,204	1	1S/4W 22	7,383	
	1S/4W	22G 7	1333 Park	Emeryville	City of Emeryville	06/03/1992	122,284,698	37,831,204	1	1S/4W 22	7,384	
	1S/4W	22G 8	1333 Park	Emeryville	City of Emeryville	06/03/1992	122,284,698	37,831,204	1	1S/4W 22	7,385	
	1S/4W	22B28	4204 Hollis St	Emeryville	Del Monte USA	12/26/1997	122,285,201	37,831,705	1	1S/4W 22	0	
	1S/4W	23M 1	3516 ADELINE ST	Oakland	FRANK CHAMPION	07/31/1984	122,279,297	37,826,484	0	1S/4W 23	2,385	
	1S/4W	23N 1	990 28 ST	Oakland	OAKLAND TOWEL CO.	07/31/1984	122,278,990	37,820,128	8	1S/4W 23	2,397	
	1S/4W	22J 5	3421 Hollis St	Oakland	Orbit Prop. Corp M	08/14/1992	122,283,688	37,827,109	1	1S/4W 22	7,686	
	1S/4W	22J 6	3421 Hollis St	Oakland	Orbit Prop. Corp M	08/14/1992	122,283,688	37,827,109	1	1S/4W 22	7,687	
	1S/4W	22J 7	3421 Hollis St	Oakland	Orbit Prop. Corp M	08/14/1992	122,283,688	37,827,109	1	1S/4W 22	7,688	
	1S/4W	22J10	3421 Hollis St	Oakland	Orbit Property Co M	08/14/1992	122,283,688	37,827,109	1	1S/4W 22	7,711	
	1S/4W	22J2	3315 Magnolia St	Oakland	Clawson School M	09/08/1992	122,281,761	37,824,977	1	1S/4W 22	7,794	
	1S/4W	22J3	3315 Magnolia St	Oakland	Clawson School M	09/08/1992	122,281,761	37,824,977	1	1S/4W 22	7,795	
	1S/4W	22J4	3315 Magnolia St	Oakland	Clawson School M	09/08/1992	122,281,761	37,824,977	1	1S/4W 22	7,796	
	1S/4W	22G 9	Hollis / Yerba Buena	Oakland	Catellus Development L	10/03/1992	122,284,300	37,829,000	1	1S/4W 22	8,359	
	1S/4W	22G10	Hollis / Yerba Buena	Oakland	Catellus Development L	10/03/1992	122,284,300	37,829,000	1	1S/4W 22	8,360	
	93412	1S/4W	22G11	4001 Hollis St.	Emeryville	Catellus Development L	07/13/1993	122,284,419	37,829,100	1	1S/4W 22	0
		1S/4W	22G12	4015 Hollis St.	Emeryville	Catellus Devleopment L	07/16/1993	122,284,246	37,829,150	1	1S/4W 22	0
1S/4W		22G13	4030 Hollis St.	Emeryville	Catellus Development L	07/23/1993	122,284,297	37,829,283	1	1S/4W 22	0	
1S/4W		22G14	4030 Hollis St.	Emeryville	Catellus Development L	07/23/1993	122,284,297	37,829,283	1	1S/4W 22	0	
1S/4W		22J 1	1350 34th St	Oakland	Susan Hamsath	09/19/1997	122,282,595	37,826,360	1	1S/4W 22	0	
1S/4W		22J 1	1350 34th St	Oakland	Susan Hemsath	03/12/1998	122,282,853	37,826,263	1	1S/4W 22	0	
1S/4W		34P 1	ADELINE ST	Oakland	MOORE SHIPS CO.	12/12/1984	122,274,650	37,839,450	2	1S/4W 34	2,597	
1S/4W		34P 2	ADELINE ST	Oakland	MOORE SHIPS CO.	12/12/1984	122,274,650	37,839,450	2	1S/4W 34	2,598	
1S/4W		15J 6	5714 San Pablo Ave.	Oakland	SYDA Foundation MW-	06/22/1993	122,282,146	37,840,689	1	1S/4W 15	0	
1S/4W		15J 7	5714 San Pablo Ave.	Oakland	SYDA Foundation MW-	06/22/1993	122,282,146	37,840,689	1	1S/4W 15	0	
1S/4W		15J 8	5714 San Pablo Ave.	Oakland	SYDA Foundation MW-	06/22/1993	122,282,146	37,840,689	1	1S/4W 15	0	
1S/4W		15J 9	5714 San Pablo Ave.	Oakland	SYDA Foundation MW-	06/22/1993	122,282,146	37,840,689	1	1S/4W 15	0	
97140		1S/4W	14F 1	5829 Adeline St	Oakland		08/30/1997	122,273,132	37,843,724	1	1S/4W 14	0
		1S/4W	23E87	4000 San Pablo Av	Emeryville	City of Emeryville Rede	01/08/1998	122,279,140	37,831,303	1	1S/4W 23	0
		1S/4W	23E84	1075 40th St	Oakland	Fidelity Roof Company	09/19/1997	122,277,019	37,831,372	1	1S/4W 23	0
		1S/4W	15J	SAN PABLO AVE & PO	Oakland	CHAPMAN SHEPARD I	09/25/1989	122,281,218	37,837,446	2	1S/4W 15	2,337
		1S/4W	22A 1	45TH ST/SAN PABLO	Emeryville	A/C TRANSIT	03/06/1987	122,280,370	37,834,688	8	1S/4W 22	2,347
	1S/4W	22G 1	1250 PARK AVE	Emeryville	DEL MONTE CORP	01/11/1990	122,282,943	37,832,012	0	1S/4W 22	2,352	
	1S/4W	22G 2	1250 PARK AVE	Emeryville	DEL MONTE CORP.	01/11/1990	122,282,943	37,832,012	0	1S/4W 22	2,353	
	1S/4W	22G 3	1250 PARK AVE	Emeryville	DEL MONTE CORP.	01/11/1990	122,282,943	37,832,012	0	1S/4W 22	2,354	
	1S/4W	22G 4	1250 PARK AVE	Emeryville	DEL MONTE CORP.	01/11/1990	122,282,943	37,832,012	0	1S/4W 22	2,355	
	1S/4W	22G 5	1250 PARK AVE	Emeryville	DEL MONTE CORP.	01/11/1990	122,282,943	37,832,012	0	1S/4W 22	2,356	
	1S/4W	22H 1	1250 PARK AVE	Emeryville	DEL MONTE CORP PLA	07/22/1986	122,282,943	37,832,012	0	1S/4W 22	2,357	
1S/4W	22H 5	45TH & WATTS ST.	Emeryville	DEL MONTE	06/15/1989	122,282,500	37,833,900	0	1S/4W 22	2,361		
1S/4W	22H 6	45TH & WATTS ST.	Emeryville	DEL MONTE	06/15/1989	122,282,500	37,833,900	0	1S/4W 22	2,362		
1S/4W	23E 1	989 41 ST	Oakland	CALIFORNIA LINEN SU	07/23/1984	122,275,516	37,832,054	8	1S/4W 23	2,375		

D.M.

Phone	City	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use	Lo	W	W	Yield	Dtwcalc	Old_dbase
0	EME	3/92	0	20	6	2	MO	D	0	0	0	0	D
0	EME	3/92	0	20	7	2	MO	D	0	0	0	0	D
0	EME	3/92	0	21	6	2	MO	D	0	0	0	0	D
0	EME	2/94	0	21	12	2	MO	D	0	0	0	0	D
0	OAK	/36	0	97	13	0	IND	?	0	2	0	0	L
0	OAK	/27	0	146	0	8	ABN	?	0	2	0	0	L
0	OAK	6/91	0	25	9	2	TES	D	0	0	0	0	D
0	OAK	6/91	0	25	10	2	TES	D	0	0	0	0	D
0	OAK	6/91	0	25	9	2	TES	D	0	0	0	0	D
0	OAK	6/91	0	25	0	2	MO	G	0	0	0	0	D
0	OAK	6/91	98	21	10	2	MO	G	0	0	0	88	D
0	OAK	6/91	98	22	12	2	MO	G	0	0	0	0	D
0	OAK	6/91	100	21	12	2	MO	G	0	0	0	0	D
0	OAK	7/91	0	43	33	4	MO	G	0	0	0	0	D
0	OAK	7/91	0	20	12	4	MO	G	0	0	0	0	D
0	EME	5/93	0	18	7	2	MO	G	0	0	0	0	D
0	EME	2/93	0	20	5	4	MO	D	0	0	0	0	D
0	EME	10/92	0	20	14	2	MO	G	0	0	0	0	D
0	EME	10/92	0	20	16	2	MO	G	0	0	0	0	D
0	OAK	7/93	0	25	9	2	MO	D	0	0	0	0	D
0	OAK	7/93	0	25	9	2	MO	D	0	0	0	0	D
0	OAK	?	0	504	79	0	IND	?	0	1	0	0	L
0	OAK	?	0	273	98	0	IND	?	0	1	0	0	L
0	OAK	5/92	0	19	10	4	MO	G	0	0	0	0	D
0	OAK	5/92	0	19	10	4	MO	G	0	0	0	0	D
0	OAK	5/92	0	19	10	4	MO	G	0	0	0	0	D
0	OAK	5/92	0	19	10	4	MO	G	0	0	0	0	D
0	OAK	7/94	0	18	5	2	MO	G	0	0	0	0	D
0	EME	3/97	0	21	14	4	MO	D	0	0	0	0	D
0	OAK	3/97	0	21	9	2	MO	G	2	0	0	0	D
0	OAK	02/89	0	20	14	8	BOR	G	0	0	0	0	L
0	EME	01/87	0	18	7	2	MO	D	0	0	0	0	L
0	EME	05/89	0	25	13	2	TES	D	0	0	0	0	L
0	EME	05/89	0	25	9	2	TES	D	0	0	0	0	L
0	EME	07/89	0	20	8	2	MO	D	0	0	0	0	L
0	EME	07/89	0	20	8	2	MO	D	0	0	0	0	L
0	EME	07/89	0	20	8	2	MO	D	0	0	0	0	L
0	EME	5/86	0	19	4	2	TES	D	0	0	0	0	L
0	EME	01/89	0	20	10	2	MO	D	Y	0	0	0	L
0	EME	01/89	0	24	16	0	MO	D	Y	0	0	0	L
0	OAK	/27	0	575	16	0	ABN	?	0	1	0	0	L

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Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tsrqq	Rec_code
	1S/4W	14N 1	1056 48th St.	Emeryville	City of Emmerlyville M	07/22/1993	122,278,588	37,837,116	1	1S/4W 14	0
	1S/4W	14N 2	1056 48th St.	Emeryville	City of Emmerlyville M	07/22/1993	122,278,588	37,837,116	1	1S/4W 14	0
	1S/4W	14N 3	1056 48th St.	Emeryville	City of Emmerlyville M	07/22/1993	122,278,588	37,837,116	1	1S/4W 14	0
	1S/4W	22J 1	3423 HARLAN ST	Oakland	E. E. COSTOLLO	07/31/1984	122,281,700	37,827,122	8	1S/4W 22	2,363
	1S/4W	22A 8	1150 Park Av	Emeryville	New Century Beverage	09/17/1997	122,280,719	37,832,528	1	1S/4W 22	0
	1S/4W	22A 9	1150 Park Av	Emeryville	New Century Beverage	09/17/1997	122,280,719	37,832,528	1	1S/4W 22	0
	1S/4W	22A10	1150 Park Av	Emeryville	New Century Beverage	09/17/1997	122,280,719	37,832,528	1	1S/4W 22	0
	1S/4W	22A11	1150 Park Av	Emeryville	New Century Beverage	09/17/1997	122,280,719	37,832,528	1	1S/4W 22	0
	1S/4W	22A12	1150 Park Av	Emeryville	New Century Beverage	09/17/1997	122,280,719	37,832,528	1	1S/4W 22	0
	1S/4W	22A13	1150 Park Av	Emeryville	New Century Beverage	09/17/1997	122,280,719	37,832,528	1	1S/4W 22	0
	1S/4W	22A14	1150 Park Av	Emeryville	New Century Beverage	09/17/1997	122,280,719	37,832,528	1	1S/4W 22	0
	1S/4W	22A15	1150 Park Av	Emeryville	New Century Beverage	09/17/1997	122,280,719	37,832,528	1	1S/4W 22	0
	1S/4W	22A16	1150 Park Av	Emeryville	New Century Beverage	09/17/1997	122,280,719	37,832,528	1	1S/4W 22	0
	1S/4W	22J 1	Hollis St && 1-580	Emeryville	Catellus Development C	09/19/1997	122,283,615	37,827,895	1	1S/4W 22	0
	1S/4W	22J 2	Hollis St && 1-580	Emeryville	Catellus Development C	09/19/1997	122,283,615	37,827,895	1	1S/4W 22	0
	1S/4W	23E85	1075 40th St	Oakland	Fidelity Roof Company	09/19/1997	122,277,019	37,831,372	1	1S/4W 23	0
	1S/4W	23E86	1075 40th St	Oakland	Fidelity Roof Company	09/19/1997	122,277,019	37,831,372	1	1S/4W 23	0
94653	1S/4W	22A17	1150 Park Av	Emeryville	New Century Beverage	12/26/1997	122,280,718	37,832,519	1	1S/4W 22	0
94653	1S/4W	22A18	1150 Park Av	Emeryville	New Century Beverage	12/26/1997	122,280,718	37,832,519	1	1S/4W 22	0
94653	1S/4W	22A19	1150 Park Av	Emeryville	New Century Beverage	12/26/1997	122,280,718	37,832,519	1	1S/4W 22	0
94653	1S/4W	22A20	1150 Park Av	Emeryville	New Century Beverage	12/26/1997	122,280,718	37,832,519	1	1S/4W 22	0
95412	1S/4W	22A21	1250 Park Ave	Emeryville	Del Monte	02/17/1998	122,282,925	37,832,003	1	1S/4W 22	0
95371	1S/4W	22A22	1150 Park Av	Emeryville	New Century Beverage	02/24/1998	122,280,718	37,832,519	1	1S/4W 22	0
95724	1S/4W	23M27	3623 Adeline St	Emeryville	Owens Financial	03/12/1998	122,278,974	37,828,046	1	1S/4W 23	0
94237	1S/4W	23D 5	1001 42nd St	Oakland	Color Communications	03/29/1998	122,275,651	37,832,941	1	1S/4W 23	0
97WR214	1S/4W	22A23	4575 San Pablo Av	Emeryville	Berkeley Farms	07/21/1998	122,280,581	37,835,222	1	1S/4W 22	0
97WR214	1S/4W	22A24	4575 San Pablo Av	Emeryville	Berkeley Farms	07/21/1998	122,280,581	37,835,222	1	1S/4W 22	0
97WR214	1S/4W	22A25	4575 San Pablo Av	Emeryville	Berkeley Farms	07/21/1998	122,280,581	37,835,222	1	1S/4W 22	0
	1S/4W	26C 1	2821 WEST ST	Oakland	F.L. BROWN	07/31/1984	122,273,607	37,818,792	0	1S/4W 26	2,438
	1S/4W	14P 1	MARKET & 52 ST	Oakland	PG&E	07/31/1984	122,274,400	37,826,400	2	1S/4W 14	2,328
	1S/4W	23F 1	MARKET & APGAR ST	Oakland	PG&E	07/31/1984	122,273,800	37,829,200	0	1S/4W 23	2,376
	1S/4W	23M 2	3400 SAN PABLO AVE	Oakland	ARCO PETROLEUM	10/06/1986	122,277,468	37,825,787	0	1S/4W 23	2,386
	1S/4W	23M 3	3400 SAN PABLO AVE	Oakland	ARCO PETROLEUM	10/06/1986	122,277,468	37,825,787	0	1S/4W 23	2,387
	1S/4W	23M 4	3400 SAN PABLO AVE	Oakland	ARCO PETROLEUM	10/06/1986	122,277,468	37,825,787	0	1S/4W 23	2,388
	1S/4W	23M 5	3400 SAN PABLO AVE	Oakland	THRIFTY OIL	01/21/1987	122,277,468	37,825,787	0	1S/4W 23	2,389
	1S/4W	23M 6	3400 SAN PABLO AVE	Oakland	THRIFTY OIL	01/21/1987	122,277,468	37,825,787	0	1S/4W 23	2,390
	1S/4W	23M 7	3400 SAN PABLO AVE	Oakland	THRIFTY OIL	01/21/1987	122,277,468	37,825,787	0	1S/4W 23	2,391
	1S/4W	23M 8	3400 SAN PABLO AVE	Oakland	THRIFTY OIL	01/21/1987	122,277,468	37,825,787	0	1S/4W 23	2,392
	1S/4W	23M 9	3420 SAN PABLO AVE	Oakland	SHELL OIL CO.	11/06/1989	122,277,524	37,825,927	0	1S/4W 23	2,393
	1S/4W	23M10	3420 SAN PABLO AVE	Oakland	SHELL OIL CO.	11/06/1989	122,277,524	37,825,927	0	1S/4W 23	2,394
	1S/4W	23M11	3420 SAN PABLO AVE	Oakland	SHELL OIL CO.	11/06/1989	122,277,524	37,825,927	0	1S/4W 23	2,395

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Phone	City	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use	Lo	W	W	Yield	Dtwcalc	Old_dbase
0	EME	10/92	0	28	0	2	DES	E	1	0	0	0	D
0	EME	10/92	0	28	0	2	DES	E	1	0	0	0	D
0	EME	10/92	0	28	0	2	DES	E	1	0	0	0	D
0	OAK	/29	0	163	16	10	ABN	?	0	2	0	0	L
0	EME	3/94	39	17	7	2	MO	D	0	0	0	32	D
0	EME	3/94	39	12	8	2	MO	D	0	0	0	31	D
0	EME	3/94	41	22	18	2	MO	D	0	0	0	23	D
0	EME	3/94	41	20	18	2	MO	D	0	0	0	23	D
0	EME	3/94	37	17	14	2	MO	D	0	0	0	23	D
0	EME	3/94	36	16	14	2	MO	D	0	0	0	22	D
0	EME	3/94	38	17	14	2	MO	D	0	0	0	24	D
0	EME	3/94	33	19	10	2	MO	D	0	0	0	23	D
0	EME	3/94	36	17	17	2	MO	D	0	0	0	19	D
0	EME	1/94	0	24	16	5	EXT	D	0	0	0	0	D
0	EME	1/94	0	25	18	5	EXT	D	0	0	0	0	D
0	OAK	3/97	0	21	9	2	MO	G	2	0	0	0	D
0	OAK	3/97	0	21	9	2	MO	G	2	0	0	0	D
0	EME	10/94	0	17	15	4	MO	D	0	0	0	0	D
0	EME	10/94	0	18	11	4	MO	D	0	0	0	0	D
0	EME	10/94	0	17	14	2	MO	D	0	0	0	0	D
0	EME	2/95	0	15	15	2	MO	D	0	0	0	0	D
0	EME	10/95	0	25	5	2	MO	D	0	0	0	0	D
0	EME	6/95	0	19	17	2	MO	D	0	0	0	0	D
0	EME	12/95	0	25	11	6	MO	G	0	0	0	0	D
0	OAK	4/94	0	30	0	2	MO	G	0	0	0	0	D
0	EME	2/98	0	17	5	2	MO	D	0	0	0	0	D
0	EME	2/98	0	17	4	2	MO	D	0	0	0	0	D
0	EME	2/98	0	17	5	2	MO	D	0	0	0	0	D
0	OAK	?	0	180	30	8	ABN	?	0	1	0	0	L
0	OAK	4/74	0	120	8	0	CAT	D	0	0	0	0	L
0	OAK	4/74	0	120	11	0	CAT	D	0	0	0	0	L
0	OAK	07/86	0	25	10	2	TES	D	0	0	0	0	L
0	OAK	07/86	0	25	10	2	TES	D	0	0	0	0	L
0	OAK	07/86	0	25	10	2	TES	D	0	0	0	0	L
0	OAK	11/86	0	15	6	4	MO	G	0	0	0	0	L
0	OAK	11/86	0	15	8	2	MO	G	0	0	0	0	L
0	OAK	11/86	0	15	9	2	MO	G	0	0	0	0	L
0	OAK	11/86	0	15	8	4	MO	G	0	0	0	0	L
0	OAK	04/89	0	25	6	4	MO	G	0	0	0	0	L
0	OAK	04/89	0	19	6	4	MO	G	0	0	0	0	L
0	OAK	04/89	0	27	6	4	MO	G	0	0	0	0	L

Da13

Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tarqq	Rec_code
	1S/4W	23M12	3420 SAN PABLO AVE	Oakland	SHELL OIL CO.	11/06/1989	122,277,524	37,825,927	0	1S/4W 23	2,396
	1S/4W	26C 3	887 30 ST	Oakland	LANE METAL FINISHIN	07/31/1984	122,273,866	37,820,528	8	1S/4W 26	2,440
	1S/4W	23M19	3420 San Pablo Ave	Oakland	Shell Oil Co. MW1	09/30/1992	122,277,524	37,825,927	1	1S/4W 23	8,166
	1S/4W	23M20	3420 San Pablo Ave	Oakland	Shell Oil Co. MW1	09/30/1992	122,277,524	37,825,927	1	1S/4W 23	8,167
	1S/4W	23M21	34th St. & Linden St.	Oakland	Dougco Metal Finish. M	07/12/1993	122,277,937	37,825,122	1	1S/4W 23	0
	1S/4W	23M22	34th St. & Linden St.	Oakland	Dougco Metal Finish. M	07/12/1993	122,277,937	37,825,122	1	1S/4W 23	0
	1S/4W	23M23	34th St. & Linden St.	Oakland	Dougco Metal Finish. M	07/12/1993	122,277,937	37,825,122	1	1S/4W 23	0
	1S/4W	23M24	3516 Adeline St.	Oakland	Champion Estate MW-	07/14/1993	122,279,279	37,826,441	1	1S/4W 23	0
	1S/4W	23M25	3516 Adeline St.	Oakland	Champion Estate MW-	07/14/1993	122,279,279	37,826,441	1	1S/4W 23	0
	1S/4W	23M26	3516 Adeline St.	Oakland	Champion Estate MW-	07/14/1993	122,279,279	37,826,441	1	1S/4W 23	0
	1S/4W	23N 6	3032 Market St	Oakland	WSB Electric	08/31/1997	122,275,421	37,821,144	1	1S/4W 23	0
	1S/4W	23N 7	3032 Market St	Oakland	WSB Electric	08/31/1997	122,275,421	37,821,144	1	1S/4W 23	0
	1S/4W	23N 8	3032 Market St	Oakland	WSB Electric	08/31/1997	122,275,421	37,821,144	1	1S/4W 23	0
94105	1S/4W	26D10	958 28th St	Oakland	Aramark Uniform Servic	02/24/1998	122,277,679	37,819,666	1	1S/4W 26	0
98WR283	1S/4W	26G31	450 25th St	Oakland	Friction Materials, Inc	09/29/1998	122,266,062	37,814,745	1	1S/4W 26	0
96544	1S/4W	26F 5	2703 Martin Luther Kin	Oakland	Shell Oil Products Comp	11/03/1997	122,271,197	37,817,400	1	1S/4W 26	0
96399	1S/4W	26G25	2633 Telegraph Av	Oakland	Sears Roebuck and Co	10/19/1997	122,267,731	37,815,671	1	1S/4W 26	0
96544	1S/4W	26F 4	2703 Martin Luther Kin	Oakland	Shell Oil Products Comp	11/03/1997	122,271,197	37,817,400	1	1S/4W 26	0
96544	1S/4W	26F 7	2703 Martin Luther Kin	Oakland	Shell Oil Products Comp	11/03/1997	122,271,197	37,817,400	1	1S/4W 26	0
93581	1S/4W	26H22	2735 Broadway	Oakland	Ravizza Comm. Real Est	11/03/1997	122,263,611	37,816,268	1	1S/4W 26	0
93581	1S/4W	26H23	2735 Broadway	Oakland	Ravizza Comm. Real Est	11/03/1997	122,263,611	37,816,268	1	1S/4W 26	0
93581	1S/4W	26H24	2735 Broadway	Oakland	Ravizza Comm. Real Est	11/03/1997	122,263,611	37,816,268	1	1S/4W 26	0
93581	1S/4W	26H25	2735 Broadway	Oakland	Ravizza Comm. Real Est	11/03/1997	122,263,611	37,816,268	1	1S/4W 26	0
95379	1S/4W	26G26	554 27th St	Oakland	Joan Schoonbrood	02/24/1998	122,268,764	37,816,875	1	1S/4W 26	0
95379	1S/4W	26G27	554 27th St	Oakland	Joan Schoonbrood	02/24/1998	122,268,764	37,816,875	1	1S/4W 26	0
95379	1S/4W	26G28	554 27th St	Oakland	Joan Schoonbrood	02/24/1998	122,268,764	37,816,875	1	1S/4W 26	0
94239	1S/4W	26H26	403 28th St	Oakland	Chrysler Realty Corpora	02/24/1998	122,264,962	37,816,675	1	1S/4W 26	0
94239	1S/4W	26H27	403 28th St	Oakland	Chrysler Realty Corpora	02/24/1998	122,264,962	37,816,675	1	1S/4W 26	0
97281	1S/4W	26H28	Valdez St && 26th St	Oakland	Broadway Motors Ford	03/29/1998	122,263,016	37,814,839	1	1S/4W 26	0
97281	1S/4W	26H29	Valdez St && 26th St	Oakland	Broadway Motors Ford	03/29/1998	122,263,016	37,814,839	1	1S/4W 26	0
97281	1S/4W	26H30	Valdez St && 26th St	Oakland	Broadway Motors Ford	03/29/1998	122,263,016	37,814,839	1	1S/4W 26	0
98WR283	1S/4W	26G29	450 25th St	Oakland	Friction Materials, Inc	09/29/1998	122,266,062	37,814,745	1	1S/4W 26	0
98WR283	1S/4W	26G30	450 25th St	Oakland	Friction Materials, Inc	09/29/1998	122,266,062	37,814,745	1	1S/4W 26	0
96544	1S/4W	26F 6	2703 Martin Luther Kin	Oakland	Shell Oil Products Comp	11/03/1997	122,271,197	37,817,400	1	1S/4W 26	0
	1S/4W	23H 1	500 40TH ST	Oakland	SHELL OIL	01/24/1990	122,264,333	37,829,644	0	1S/4W 23	2,378
	1S/4W	23H 2	500 40TH ST	Oakland	SHELL OIL	01/24/1990	122,264,333	37,829,644	0	1S/4W 23	2,379
	1S/4W	23H 3	500 40TH ST	Oakland	SHELL OIL	01/24/1990	122,264,333	37,829,644	0	1S/4W 23	2,380
	1S/4W	23R 7	350 Hawthorne Ave	Oakland	Summit Medical Center	09/22/1992	122,263,410	37,822,068	1	1S/4W 23	7,934
	1S/4W	23H 7	500 40th St	Oakland	Shell Oil Co OMW-	09/30/1992	122,264,333	37,829,644	1	1S/4W 23	8,162
	1S/4W	23H 8	500 40th St	Oakland	Shell Oil Co OMW	09/30/1992	122,264,333	37,829,644	1	1S/4W 23	8,163
	1S/4W	23H 9	500 40th St	Oakland	Shell Oil Co OMW-	09/30/1992	122,264,333	37,829,644	1	1S/4W 23	8,164

Doc 14

Phone	City	Drilldate	Elevation	Totaldepth	waterdepth	Diameter	Use	Lo	W	W	Yield	Dtwcalc	Old_dbase
0	OAK	04/89	0	25	6	4	MO	G	0	0	0	0	L
0	OAK	/35	0	125	20	0	IND	?	0	2	0	0	L
0	OAK	10/91	0	19	9	4	TES	D	0	0	0	0	D
0	OAK	10/91	0	22	14	4	TES	D	0	0	0	0	D
0	OAK	4/93	0	14	0	4	MO	E	0	0	0	0	D
0	OAK	4/93	0	16	0	4	MO	E	0	0	0	0	D
0	OAK	4/93	0	14	0	4	MO	E	0	0	0	0	D
0	OAK	10/92	0	30	14	2	MO	G	0	0	0	0	D
0	OAK	10/92	0	30	13	2	MO	G	0	0	0	0	D
0	OAK	10/92	0	30	14	2	MO	G	0	0	0	0	D
0	OAK	8/94	0	25	14	2	MO	G	0	0	0	0	D
0	OAK	8/94	0	25	14	2	MO	G	0	0	0	0	D
0	OAK	8/94	0	20	10	2	MO	G	0	0	0	0	D
0	OAK	2/94	0	25	17	2	MO	G	0	0	0	0	D
0	OAK	7/98	0	25	15	2	MO	D	0	0	0	0	D
0	OAK	7/96	0	13	8	2	EXT	D	0	0	0	0	D
0	OAK	10/96	0	20	15	2	MO	G	0	0	0	0	D
0	OAK	7/96	0	13	11	2	EXT	D	0	0	0	0	D
0	OAK	7/96	0	21	9	2	MO	D	0	0	0	0	D
0	OAK	10/93	0	38	27	4	MO	G	0	0	0	0	D
0	OAK	10/93	0	25	19	4	MO	G	0	0	0	0	D
0	OAK	10/93	0	30	20	4	MO	G	0	0	0	0	D
0	OAK	10/93	0	30	16	4	MO	G	0	0	0	0	D
0	OAK	6/95	0	20	10	2	MO	G	1	0	0	0	D
0	OAK	6/95	0	20	10	2	MO	G	1	0	0	0	D
0	OAK	6/95	0	20	10	2	MO	G	1	0	0	0	D
0	OAK	5/94	0	29	0	2	MO	G	0	0	0	0	D
0	OAK	5/94	0	29	0	2	MO	G	0	0	0	0	D
0	OAK	5/97	0	15	10	2	MO	D	0	0	0	0	D
0	OAK	5/97	0	15	10	2	MO	D	0	0	0	0	D
0	OAK	5/97	0	15	0	2	MO	D	0	0	0	0	D
0	OAK	7/98	0	25	15	2	MO	D	0	0	0	0	D
0	OAK	7/98	0	25	14	2	MO	D	0	0	0	0	D
0	OAK	7/96	0	21	11	2	MO	D	0	0	0	0	D
0	OAK	02/89	0	20	15	4	MO	G	0	0	0	0	L
0	OAK	05/89	0	19	15	4	MO	G	0	0	0	0	L
0	OAK	05/89	0	16	13	4	MO	G	0	0	0	0	L
0	OAK	4/92	0	40	23	0	MO	G	0	0	0	0	D
0	OAK	11/91	0	24	12	4	MO	G	0	0	0	0	D
0	OAK	11/91	0	24	10	4	MO	G	0	0	0	0	D
0	OAK	11/91	0	24	12	4	MO	G	0	0	0	0	D

PAIS

Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tsrqq	Rec_code
	1S/4W	26G 3	2800 TELEGRAPH AVE	Oakland	SHELL OIL COMPANY	08/08/1988	122,267,087	37,817,156	0	1S/4W 26	2,448
	1S/4W	23K 3	731 W MACARTHUR &	Oakland	ARCO SVCE. STA. #49	02/23/1988	122,269,236	37,827,456	8	1S/4W 23	2,383
	1S/4W	23K 1	731 W. MACARTHUR	Oakland	ARCO SVCE. STA. #49	02/23/1988	122,269,236	37,827,456	8	1S/4W 23	2,381
	1S/4W	23K 2	731 W MACARTHUR &	Oakland	ARCO SVCE. STA. # 4	02/23/1988	122,269,236	37,827,456	8	1S/4W 23	2,382
	1S/4W	23K 4	731 W MACARTHUR &	Oakland	ARCO SVCE. STA. #49	02/23/1988	122,269,236	37,827,456	8	1S/4W 23	2,384
	1S/4W	23R 3	3300 WEBSTER ST	Oakland	PAUL FABERMAN & C	01/10/1990	122,262,011	37,821,412	0	1S/4W 23	2,400
	1S/4W	23R 4	3300 WEBSTER ST	Oakland	PAUL FABERMAN & C	01/22/1990	122,262,011	37,821,412	0	1S/4W 23	2,401
	1S/4W	23R 5	3300 WEBSTER ST	Oakland	PAUL FABERMAN & C	01/22/1990	122,262,011	37,821,412	0	1S/4W 23	2,402
	1S/4W	26A 1	450 30TH	Oakland	PERALTA HOSPITAL	07/31/1984	122,265,138	37,819,514	8	1S/4W 26	2,436
	1S/4W	26B 1	29 & TELEGRAPH AV	Oakland	PG&E	07/31/1984	122,266,800	37,818,400	8	1S/4W 26	2,437
	1S/4W	26C 2	730 29 ST	Oakland	OAKLAND LDY CO.	07/31/1984	122,271,876	37,819,113	8	1S/4W 26	2,439
	1S/4W	26G 1	2800 TELEGRAPH AVE	Oakland	SHELL OIL COMPANY	08/08/1988	122,267,087	37,817,156	0	1S/4W 26	2,446
	1S/4W	26G 2	2800 TELEGRAPH AVE	Oakland	SHELL OIL COMPANY	08/08/1988	122,267,087	37,817,156	0	1S/4W 26	2,447
	1S/4W	26G 4	2800 TELEGRAPH AV.	Oakland	SHELL OIL	06/15/1989	122,267,087	37,817,156	0	1S/4W 26	2,449
	1S/4W	26G 5	2800 TELEGRAPH AV.	Oakland	SHELL OIL	06/15/1989	122,267,087	37,817,156	0	1S/4W 26	2,450
	1S/4W	26G 6	2800 TELEGRAPH AV.	Oakland	SHELL OIL	06/15/1989	122,267,087	37,817,156	0	1S/4W 26	2,451
96026	1S/4W	26C 5	730 29th St	Oakland	Civic Bank of Commerc	03/12/1998	122,272,018	37,819,249	1	1S/4W 26	0
96026	1S/4W	26C 6	730 29th St	Oakland	Civic Bank of Commerc	03/12/1998	122,272,018	37,819,249	1	1S/4W 26	0
96026	1S/4W	26C 7	730 29th St	Oakland	Civic Bank of Commerc	03/12/1998	122,272,018	37,819,249	1	1S/4W 26	0
95814	1S/4W	26B 2	3045 Telegraph Av	Oakland		07/21/1998	122,266,610	37,819,664	1	1S/4W 26	0
95814	1S/4W	26B 3	3045 Telegraph Av	Oakland		07/21/1998	122,266,610	37,819,664	1	1S/4W 26	0
95814	1S/4W	26B 4	3045 Telegraph Av	Oakland		07/21/1998	122,266,610	37,819,664	1	1S/4W 26	0
	1S/4W	14R21	5101 Telegraph Ave.	Oakland	Chevron MW1	01/13/1994	122,261,883	37,837,575	1	1S/4W 14	0
	1S/4W	13L 1	5370 SHAFTER	Oakland	CARY	07/31/1984	122,254,421	37,841,069	2	1S/4W 13	2,319
	1S/4W	13M 1	5629 VINCENTE ST	Oakland	ANGELA DELUCCHI	07/31/1984	122,260,096	37,841,122	8	1S/4W 13	2,321
	1S/4W	13M 2	CLIFTON & CLAREMON	Oakland	PG&E	07/31/1984	122,258,509	37,841,300	8	1S/4W 13	2,322
	1S/4W	13N 1	5168 SHAFTER	Oakland	MRS. H. GOTELLI	07/31/1984	122,257,238	37,837,763	2	1S/4W 13	2,323
	1S/4W	14J 1	5427 TELEGRAPH	Oakland	MARSHALL STEEL CO.	07/31/1984	122,261,687	37,839,904	2	1S/4W 14	2,326
	1S/4W	14R 2	51ST/TELEGRAPH AVE	Oakland	PACIFIC RIM DEVELOP	03/29/1988	122,261,900	37,837,575	8	1S/4W 14	2,330
	1S/4W	14R 3	51ST/TELEGRAPH AVE	Oakland	PACIFIC RIM DEVELOP	03/29/1988	122,261,900	37,837,575	8	1S/4W 14	2,331
	1S/4W	23A 1	4400 TELEGRAPH AVE	Oakland	WAYNE KELLY AUTO P	06/28/1989	122,263,074	37,832,696	0	1S/4W 23	2,373
	1S/4W	23D 1	44TH ST & ADELINE	Oakland	PACIFIC GAS AND ELE	07/23/1984	122,257,900	37,833,000	2	1S/4W 23	2,374
	1S/4W	24D 1	WEBSTER ST & 45TH	Oakland	EBMUD	07/31/1984	122,259,600	37,833,700	0	1S/4W 24	2,403
	1S/4W	24D 2	WEBSTER ST & 49TH	Oakland	EBMUD	12/12/1984	122,259,400	37,835,800	0	1S/4W 24	2,404
	1S/4W	24D 3	49TH & WEBSTER ST	Oakland	PG&E	12/12/1984	122,259,400	37,835,800	8	1S/4W 24	2,405
	1S/4W	24E 1	360 42 ST	Oakland	LADIES RELIEF SOCIET	12/12/1984	122,257,966	37,831,318	8	1S/4W 24	2,406
	1S/4W	24E 2	MANILA & 42ND ST	Oakland	EBMUD	12/12/1984	122,256,600	37,831,400	0	1S/4W 24	2,407
	1S/4W	24E 3	42ND & WEBSTER STS	Oakland	EBMUD	12/12/1984	122,259,600	37,831,300	8	1S/4W 24	2,408
	1S/4W	24E 4	462 43 ST	Oakland	ROBERT WESTWOOD	12/12/1984	122,259,030	37,831,318	8	1S/4W 24	2,409
	1S/4W	14R 8	Telegraph Ave && 51st	Oakland	Berkeley Farm Land Co	03/09/1992	122,262,110	37,837,337	1	1S/4W 14	7,348
	1S/4W	14R 9	Telegraph Ave && 51st	Oakland	Berkeley Farm Land Co	03/09/1992	122,262,093	37,837,184	1	1S/4W 14	7,349

Doc 16

PK	Cl	Midlat	Elevation	Totaldepth	Waterdepth	Diameter	Use	Lo	W	W	Yield	Dtwcalc	Old_dbase
0	OAK	04/88	0	28	12	3	MO	G	0	0	0	0	L
0	OAK	12/87	0	30	10	3	MO	G	0	0	0	0	L
0	OAK	12/87	0	40	10	6	MO	G	0	0	0	0	L
0	OAK	12/87	0	30	11	3	MO	G	0	0	0	0	L
0	OAK	12/87	0	30	10	3	MO	G	0	0	0	0	L
0	OAK	03/89	91	35	22	2	MO	G	0	0	0	0	L
0	OAK	03/89	99	32	28	2	MO	G	0	0	0	0	L
0	OAK	03/89	89	28	25	2	MO	G	0	0	0	0	L
0	OAK	?	0	0	0	0	GEO	G	0	0	0	0	L
0	OAK	4/74	0	0	8	0	CAT	D	0	0	0	0	L
0	OAK	/28	0	136	33	0	ABN	?	0	1	0	0	L
0	OAK	04/88	0	28	12	3	MO	G	0	0	0	0	L
0	OAK	04/88	0	28	12	3	MO	G	0	0	0	0	L
0	OAK	10/88	0	30	11	3	MO	G	0	0	0	0	L
0	OAK	10/88	0	24	13	3	MO	G	0	0	0	0	L
0	OAK	10/88	0	22	12	3	MO	G	0	0	0	0	L
0	OAK	2/96	0	25	19	2	MO	D	0	0	0	0	D
0	OAK	2/96	0	21	15	2	MO	D	0	0	0	0	D
0	OAK	2/96	0	21	11	2	MO	D	0	0	0	0	D
0	OAK	4/96	0	16	11	1	MO	G	0	0	0	0	D
0	OAK	4/96	0	16	11	1	MO	G	0	0	0	0	D
0	OAK	4/96	0	16	11	1	MO	G	0	0	0	0	D
0	OAK	9/93	0	25	0	2	MO	D	0	0	0	0	D
0	OAK	/00	0	60	11	0	ABN	?	0	1	0	0	L
0	OAK	?	0	75	5	8	DO	?	0	1	0	0	L
0	OAK	8/75	0	120	0	0	CAT	D	0	0	0	0	L
0	OAK	?	0	85	9	10	ABN	?	0	1	0	0	L
0	OAK	?	0	40	0	8	IND	?	0	1	0	0	L
0	OAK	04/87	0	31	17	2	MO	G	0	0	0	0	L
0	OAK	04/87	0	36	16	2	MO	G	0	0	0	0	L
0	OAK	11/88	0	35	14	2	MO	G	0	0	0	0	L
0	OAK	5/73	0	120	0	0	CAT	D	0	0	0	0	L
0	OAK	5/75	0	53	25	0	CAT	D	0	0	0	0	L
0	OAK	5/75	0	53	0	0	CAT	D	0	0	0	0	L
0	OAK	2/76	0	120	0	0	CAT	D	0	0	0	0	L
0	OAK	?	0	65	9	12	IRR	?	0	2	0	0	L
0	OAK	5/75	0	50	0	0	CAT	D	0	0	0	0	L
0	OAK	5/75	0	50	0	0	CAT	D	0	0	0	0	L
0	OAK	9/77	0	0	0	4	DO	?	0	0	0	0	L
0	OAK	11/91	0	25	19	2	MO	G	0	0	0	0	D
0	OAK	11/91	0	25	21	2	MO	G	0	0	0	0	D

Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tsrqq	Rec_code
	1S/4W	14R10	Telegraph Ave & 51st	Oakland	Berkeley Farm Land Co	03/09/1992	122,263,129	37,837,760	1	1S/4W 14	7,350
	1S/4W	14R11	Telegraph Ave & 51st	Oakland	Berkeley Farm Land Co	03/09/1992	122,262,888	37,836,950	1	1S/4W 14	7,351
	1S/4W	14R12	Telegraph Ave & 51st	Oakland	Berkeley Farm Land Co	03/09/1992	122,263,317	37,837,463	1	1S/4W 14	7,352
	1S/4W	24B 4	5175 Broadway	Oakland	M. Mehdizadeh ST	09/08/1992	122,251,412	37,835,727	1	1S/4W 25	7,792
	1S/4W	24B 5	5175 Broadway	Oakland	M. Mehdizadeh ST	09/08/1992	122,251,412	37,835,727	1	1S/4W 25	7,793
	1S/4W	14R13	747 52nd St	Oakland	Children's Hospital	09/26/1992	122,266,198	37,837,436	1	1S/4W 14	8,108
	1S/4W	14R14	5131 Shattuck Ave	Oakland	ARCO Prod Co M	09/30/1992	122,263,761	37,837,973	1	1S/4W 14	8,168
	1S/4W	14R15	5131 Shattuck Ave	Oakland	ARCO Products Co.	09/30/1992	122,263,788	37,838,000	1	1S/4W 14	8,169
	1S/4W	14R16	5131 Shattuck Ave	Oakland	ARCO Products Co.	09/30/1992	122,263,788	37,838,000	1	1S/4W 14	8,170
	1S/4W	23A 2	490 43rd St.	Oakland	Wells Fargo Bank MW-	07/12/1993	122,262,452	37,832,019	1	1S/4W 23	0
	1S/4W	23A 3	490 43rd St.	Oakland	Wells Fargo Bank MW-	07/12/1993	122,262,452	37,832,019	1	1S/4W 23	0
	1S/4W	23A 4	490 43rd St.	Oakland	Wells Fargo Bank MW-	07/12/1993	122,262,452	37,832,019	1	1S/4W 23	0
	1S/4W	14Q 1	5425 Martin Luther Kg	Oakland	BP Oil Co. MW-3	07/22/1993	122,268,989	37,839,521	1	1S/4W 14	0
	1S/4W	14Q 2	5425 Martin Luther Kg	Oakland	BP Oil Co. MW-4	07/22/1993	122,268,989	37,839,521	1	1S/4W 14	0
	1S/4W	24L17	175 41 Street	Oakland	Piedmont Plaza MW-2	04/16/1993	122,252,753	37,827,099	1	1S/4W 24	0
	1S/4W	24L15	3943 Broadway	Oakland	Unocal Corp MW	09/25/1992	122,256,665	37,827,497	1	1S/4W 24	8,069
	1S/4W	24Q 1	MOUTELL ST	Oakland	PG&E	07/31/1984	122,253,276	37,824,619	2	1S/4W 24	2,420
	1S/4W	23H	500 40TH ST.	Oakland	SHELL OIL CO.	11/09/1989	122,264,333	37,829,644	0	1S/4W 23	2,377
96315	1S/4W	23A 5	4400 Telegraph Av	Oakland	Mildred Fisher	11/03/1997	122,263,078	37,832,693	1	1S/4W 23	0
94210	1S/4W	13N 3	5200 Telegraph Av	Oakland	Autopro	12/26/1997	122,261,663	37,838,444	1	1S/4W 13	0
94210	1S/4W	13N 4	5200 Telegraph Av	Oakland	Autopro	12/26/1997	122,261,663	37,838,444	1	1S/4W 13	0
94210	1S/4W	13N 5	5200 Telegraph Av	Oakland	Autopro	12/26/1997	122,261,663	37,838,444	1	1S/4W 13	0
94210	1S/4W	13N 6	5200 Telegraph Av	Oakland	Autopro	12/26/1997	122,261,663	37,838,444	1	1S/4W 13	0
94208	1S/4W	14K 8	5714 Martin Luther Kin	Oakland	City of Oakland	02/24/1998	122,269,506	37,842,561	1	1S/4W 14	0
94208	1S/4W	14K 9	5714 Martin Luther Kin	Oakland	City of Oakland	02/24/1998	122,269,506	37,842,561	1	1S/4W 14	0
95695	1S/4W	23B 1	4629 Martin Luther Kin	Oakland	Lynn M. Nightingale	03/12/1998	122,266,868	37,835,095	1	1S/4W 23	0
95421	1S/4W	23G 1	3924 Martin Luther Kin	Oakland	BART	03/29/1998	122,267,914	37,829,557	1	1S/4W 23	0
95421	1S/4W	23G 2	3924 Martin Luther Kin	Oakland	BART	03/29/1998	122,267,914	37,829,557	1	1S/4W 23	0
95421	1S/4W	23G 3	3924 Martin Luther Kin	Oakland	BART	03/29/1998	122,267,914	37,829,557	1	1S/4W 23	0
	1S/4W	14R	Telegraph Ave & 51st	Oakland	Berkeley Farms	01/13/1994	122,261,817	37,837,500	1	1S/4W 14	0
	1S/4W	13M 5	5500 Telegraph Avenue	Oakland	Chevron, USA, Inc.	05/30/1990	122,261,462	37,840,524	8	1S/4W 13	8
	1S/4W	13G 6	5800 College Avenue	Oakland	Chevron, USA, Inc.	05/30/1990	122,251,500	37,846,330	0	1S/4W 13	60
	1S/4W	13G 7	5800 College Avenue	Oakland	Chevron, USA, Inc.	05/30/1990	122,251,500	37,846,330	0	1S/4W 13	61
	1S/4W	13D 8	6125 Telegraph Avenue	Oakland	Thrifty Oil Company	07/09/1990	122,260,567	37,847,838	0	1S/4W 13	517
	1S/3W	18B 1	5909 CHABOT RD	Oakland	EBMUD	07/23/1984	122,253,049	37,846,880	0	1S/3W 18	2,082
	1S/4W	24L10	3943 Broadway	Oakland	Unocal Corporation	03/14/1991	122,256,665	37,827,497	0	1S/4W 24	1,241
	1S/4W	24L 2	3943 Broadway	Oakland	Unocal Corp.	05/30/1990	122,256,665	37,827,497	0	1S/4W 24	62
	1S/4W	24L 3	3943 Broadway	Oakland	Unocal Corp.	05/30/1990	122,256,665	37,827,497	0	1S/4W 24	63
	1S/4W	24L 4	3943 Broadway	Oakland	Unocal Corporation	07/03/1990	122,256,665	37,827,497	0	1S/4W 24	429
	1S/4W	24L 5	3943 Broadway	Oakland	Unocal Corporation	07/03/1990	122,256,665	37,827,497	0	1S/4W 24	430
	1S/4W	24L 6	3943 Broadway	Oakland	Unocal Corporation	07/03/1990	122,256,665	37,827,497	0	1S/4W 24	431

DATA

Phone	City	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use	Lo	W	W	Yield	Dtwcalc	Old_dbase
0	OAK	11/91	0	30	25	2	MO	G	0	0	0	0	D
0	OAK	11/91	0	30	21	2	MO	G	0	0	0	0	D
0	OAK	11/91	0	30	20	2	MO	G	0	0	0	0	D
0	OAK	6/91	0	20	13	4	MO	D	0	0	0	0	D
0	OAK	6/91	0	24	22	2	MO	D	0	0	0	0	D
0	OAK	12/91	0	130	21	7	IRR	D	0	0	0	0	D
0	OAK	12/91	0	29	18	4	MO	D	0	0	0	0	D
0	OAK	12/91	0	32	18	4	MO	D	0	0	0	0	D
0	OAK	12/91	0	29	18	4	MO	D	0	0	0	0	D
0	OAK	4/93	0	23	12	2	MO	G	0	0	0	0	D
0	OAK	4/93	0	22	12	2	MO	G	0	0	0	0	D
0	OAK	4/93	0	22	13	2	MO	G	0	0	0	0	D
0	OAK	10/92	85	25	13	2	MO	G	0	0	0	72	D
0	OAK	10/92	83	25	13	2	MO	G	0	0	0	70	D
0	OAK	1/93	0	41	13	2	MO	D	0	0	0	0	D
0	OAK	1/92	0	21	11	2	MO	G	0	0	0	0	D
0	OAK	6/74	0	120	0	0	CAT	D	0	0	0	0	L
0	OAK	12/88	0	27	0	0	DES	?	0	0	0	0	L
0	OAK	5/96	0	22	12	2	MO	D	0	0	0	0	D
0	OAK	4/94	0	30	20	2	MO	G	0	0	0	0	D
0	OAK	4/94	0	25	15	2	MO	G	0	0	0	0	D
0	OAK	4/94	0	25	15	2	MO	G	0	0	0	0	D
0	OAK	4/94	0	25	15	2	MO	G	0	0	0	0	D
0	OAK	2/94	0	16	13	2	MO	D	0	0	0	0	D
0	OAK	2/94	0	16	11	2	MO	D	0	0	0	0	D
0	OAK	11/95	80	30	24	2	MO	G	0	0	0	56	D
0	OAK	7/95	76	17	11	2	MO	G	0	0	0	65	D
0	OAK	7/95	73	13	7	2	MO	G	0	0	0	65	D
0	OAK	7/95	74	13	7	2	MO	G	0	0	0	74	D
0	OAK	7/93	0	17	15	4	BOR	G	0	0	0	0	D
0	OAK	11/89	0	29	13	2	MO	D	0	0	0	0	D
0	OAK	12/89	0	17	10	4	MO	D	0	0	0	0	D
0	OAK	12/89	0	17	10	4	MO	D	0	0	0	0	D
0	OAK	10/89	0	30	15	6	MO	D	0	0	0	0	D
0	OAK	7/81	0	27	0	0	CAT	D	0	0	0	0	L
0	OAK	10/90	0	22	12	2	MO	G	1	1	0	0	D
0	OAK	1/90	0	20	11	2	MO	D	1	0	0	0	D
0	OAK	1/90	0	20	12	2	MO	D	1	0	0	0	D
0	OAK	10/89	0	20	11	2	MO	G	1	0	0	0	D
0	OAK	10/89	0	20	13	2	MO	G	1	0	0	0	D
0	OAK	10/89	0	23	12	2	MO	G	0	0	0	0	D

Permit

Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tsrqq	Rec_code
1S/4W	23H 4	500 40th Street	Oakland	Shell Oil Company	07/24/1990	122,264,333	37,829,644	0	1S/4W 23	880
1S/4W	23H 5	500 40th Street	Oakland	Shell Oil Company	09/11/1990	122,264,333	37,829,644	0	1S/4W 23	880
1S/4W	23H 6	500 40th Street	Oakland	Shell Oil Company	09/11/1990	122,264,333	37,829,644	0	1S/4W 23	881
1S/4W	14R 4	5101 Telegraph Ave.	Oakland	Chevron	03/12/1991	122,261,900	37,837,575	0	1S/4W 14	1,194
1S/4W	14R 5	5101 Telegraph Ave.	Oakland	Chevron	03/12/1991	122,261,900	37,837,575	0	1S/4W 14	1,195
1S/4W	14R 6	5101 Telegraph Ave.	Oakland	Chevron	03/12/1991	122,261,900	37,837,575	0	1S/4W 14	1,196
1S/4W	14R 7	5101 Telegraph Ave.	Oakland	Chevron	03/12/1991	122,261,900	37,837,575	0	1S/4W 14	1,197
1S/4W	24L 7	3943 Broadway	Oakland	Unocal Corporation	03/14/1991	122,256,665	37,827,497	0	1S/4W 24	1,238
1S/4W	24L 8	3943 Broadway	Oakland	Unocal Corporation	03/14/1991	122,256,665	37,827,497	0	1S/4W 24	1,239
1S/4W	24L 9	3943 Broadway	Oakland	Unocal Corporation	03/14/1991	122,256,665	37,827,497	0	1S/4W 24	1,240
1S/4W	14R17	5131 Shattuck Ave	Oakland	ARCO Products Co.	07/26/1993	122,263,792	37,838,004	1	1S/4W 14	0
1S/4W	14R18	5131 Shattuck Ave	Oakland	ARCO Products Co.	07/26/1993	122,263,792	37,838,004	1	1S/4W 14	0
1S/4W	14R19	5131 Shattuck Ave	Oakland	ARCO Products Co.	07/26/1993	122,263,792	37,838,004	1	1S/4W 14	0
1S/4W	14R20	5131 Shattuck Ave	Oakland	ARCO Products Co.	07/26/1993	122,263,792	37,838,004	1	1S/4W 14	0
1S/4W	24L	4100 BROADWAY	Oakland	SOUTHLAND CORP	11/07/1986	122,255,481	37,828,956	0	1S/4W 24	2,410
1S/4W	24L 1	4082 PIEDMONT AV	Oakland	JOHN BOND	12/12/1984	122,251,924	37,826,741	0	1S/4W 24	2,411
1S/4W	25B 1	172 SANTA CLARA ST	Oakland	EAGAN & CO.	01/22/1990	122,251,845	37,818,796	2	1S/4W 25	2,421
1S/4W	25C 3	CRN OF CLAY & 14TH	Oakland	FIVE CITY CENTER	12/20/1988	122,253,773	37,819,428	9	1S/4W 25	6,547
1S/4W	24L13	3810 Broadway	Oakland	Friedkin - Becker MW	09/24/1992	122,256,859	37,826,420	1	1S/4W 24	8,038
1S/4W	24L14	3943 Broadway	Oakland	Unocal Corp MW	09/25/1992	122,256,665	37,827,497	1	1S/4W 24	8,068
1S/4W	24N15	3505 Broadway	Oakland	Kaiser Health Fdn LF-	09/26/1992	122,259,457	37,823,077	1	1S/4W 24	8,106
1S/4W	24N16	3505 Broadway	Oakland	Kaiser Health Fdn LF-	09/26/1992	122,259,457	37,823,077	1	1S/4W 24	8,106
1S/4W	24N17	3701 Broadway	Oakland	Chevron USA B-1	04/16/1993	122,258,150	37,824,984	1	1S/4W 24	0
1S/4W	24N18	3701 Broadway	Oakland	Chevron USA MW-E	04/16/1993	122,258,150	37,824,984	1	1S/4W 24	0
1S/4W	24N19	3701 Broadway	Oakland	Chevron USA MW-F	04/16/1993	122,258,150	37,824,984	1	1S/4W 24	0
1S/4W	24L16	175 41 Street	Oakland	Piedmont Plaza MW1	04/16/1993	122,252,753	37,827,099	1	1S/4W 24	0
1S/4W	24L18	175 41 Street	Oakland	Piedmont Plaza MW-3	04/16/1993	122,252,753	37,827,099	1	1S/4W 24	0
1S/4W	24L19	3943 Broadway	Oakland	Unocal Corp MW	06/16/1993	122,256,656	37,827,497	1	1S/4W 24	0
1S/4W	24L20	3943 Broadway	Oakland	Unocal Corp RW1	06/16/1993	122,256,656	37,827,497	1	1S/4W 24	0
1S/4W	24L	14 Glen Ave.	Oakland	Erma Delluchi	06/23/1993	122,252,230	37,826,192	1	1S/4W 24	0
1S/4W	24L23	14 Glen Ave.	Oakland	Erma Delluchi MW-3C	06/23/1993	122,252,230	37,826,192	1	1S/4W 24	0
1S/4W	23R 1	HAWTHORNE AV	Oakland	MERRITT HOSPITAL	07/31/1984	122,261,400	37,821,150	2	1S/4W 23	2,398
1S/4W	23R 2	HAWTHORNE AV	Oakland	MERRITT HOSPITAL	07/31/1984	122,261,400	37,821,150	2	1S/4W 23	2,399
1S/4W	24N 1	3701 MACARTHUR BL	Oakland	CHEVRON USA	06/01/1988	122,258,885	37,822,953	9	1S/4W 24	2,412
1S/4W	24N 2	3701 MACARTHUR BL	Oakland	CHEVRON USA	06/01/1988	122,258,885	37,822,953	9	1S/4W 24	2,413
1S/4W	24P 2	230 MACARTHUR BOU	Oakland	SHELL SERVICE STATI	02/23/1988	122,256,380	37,823,860	8	1S/4W 24	2,415
1S/4W	24P 3	230 MACARTHUR BOU	Oakland	SHELL SERVICE STATI	02/23/1988	122,256,380	37,823,860	8	1S/4W 24	2,416
1S/4W	24P 4	230 MACARTHUR BVL	Oakland	SHELL OIL CO	12/20/1988	122,256,380	37,823,860	8	1S/4W 24	2,417
1S/4W	24P 5	230 MACARTHUR BVL	Oakland	SHELL OIL CO	12/20/1988	122,256,380	37,823,860	8	1S/4W 24	2,418
1S/4W	24P 6	230 MACARTHUR BVL	Oakland	SHELL OIL CO	12/20/1988	122,256,380	37,823,860	8	1S/4W 24	2,419
1S/4W	13C 8	5929 College Av	Oakland	Dreyer's Grand Ice Crea	11/03/1997	122,251,763	37,847,691	1	1S/4W 13	0

3507

Pa 70

Phone	City	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use	Lo	W	W	Yield	Dtwcalc	Old dbase
0	OAK	09/89	0	20	0	8	MO	G	0	0	0	0	D
0	OAK	06/90	0	25	13	2	MO	G	0	0	0	0	D
0	OAK	06/90	0	44	19	4	MO	G	0	0	0	0	D
0	OAK	9/90	0	24	11	2	MO	G	1	2	0	0	D
0	OAK	11/90	0	30	19	2	MO	D	0	0	0	0	D
0	OAK	11/90	0	30	15	2	MO	D	0	0	0	0	D
0	OAK	11/90	0	30	17	2	MO	D	0	0	0	0	D
0	OAK	10/90	0	55	45	2	TES	D	0	0	0	0	D
0	OAK	10/90	0	20	12	2	MO	G	1	1	0	0	D
0	OAK	10/90	0	20	12	2	MO	G	1	1	0	0	D
0	OAK	10/92	0	27	17	4	TES	G	0	0	0	0	D
0	OAK	10/92	0	25	18	4	TES	G	0	0	0	0	D
0	OAK	10/92	0	27	18	4	TES	G	0	0	0	0	D
0	OAK	10/92	0	27	18	4	TES	G	0	0	0	0	D
0	OAK	09/86	0	30	10	0	BOR	G	0	0	0	0	L
0	OAK	1/79	0	198	21	8	IRR	D	0	0	0	0	L
0	OAK	06/89	86	27	15	2	MO	G	0	0	0	0	L
0	OAK		0	0	0	0					0	0	A
0	OAK	1/92	0	35	31	2	MO	G	0	0	0	0	D
0	OAK	1/92	0	22	20	2	MO	G	0	0	0	0	D
0	OAK	1/92	0	29	0	8	DES	D	0	0	0	0	D
0	OAK	1/92	0	28	0	10	DES	D	0	0	0	0	D
0	OAK	10/92	73	36	14	4	MO	G	0	0	0	59	D
0	OAK	10/92	70	35	12	2	MO	G	0	0	0	58	D
0	OAK	10/92	72	30	15	2	MO	G	0	0	0	57	D
0	OAK	1/93	0	40	15	2	MO	D	0	0	0	0	D
0	OAK	1/93	0	40	11	2	MO	D	0	0	0	0	D
0	OAK	6/92	0	18	12	2	MO	G	0	0	0	0	D
0	OAK	6/92	0	18	0	6	BOR	G	0	0	0	0	D
0	OAK	7/92	0	25	0	0	BOR	G	0	0	0	0	D
0	OAK	7/92	0	37	26	2	MO	G	0	0	0	0	D
0	OAK	3/75	0	0	0	0	GEO	G	0	0	0	0	L
0	OAK	4/74	0	345	0	0	GEO	G	0	0	0	0	L
0	OAK	04/88	0	35	15	4	MO	D	0	0	0	0	L
0	OAK	04/88	0	30	16	4	MO	D	0	0	0	0	L
0	OAK	4/86	75	15	12	4	MO	G	+	+	0	0	L
0	OAK	4/86	75	15	12	4	MO	G	+	+	0	0	L
0	OAK	07/88	0	31	13	4	MO	D	+	+	0	0	L
0	OAK	7/88	0	30	0	4	MO	D	+	+	0	0	L
0	OAK	7/88	0	30	15	4	MO	D	+	+	0	0	L
0	OAK	9/93	185	30	0	2	MO	G	0	0	0	185	D

PAZI

Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tsrqq	Rec_code
	1S/4W	25D 6	3080 Broadway	Oakland	Gerald Shirar	09/11/1997	122,260,795	37,820,262	1	1S/4W 25	0
	1S/4W	24B 1	5175 Broadway	Oakland	M.Mehdizaden	07/31/1990	122,251,412	37,835,727	0	1S/4W 24	817
	1S/4W	24B 3	5175 Broadway	Oakland	M.Mehdizadeh	07/31/1990	122,251,412	37,835,727	0	1S/4W 24	818
	1S/4W	13G 8	5800 College Avenue	Oakland	Chevron USA	01/11/1991	122,251,500	37,846,330	0	1S/4W 13	914
	1S/4W	13G 9	5800 College Avenue	Oakland	Chevron, USA	01/11/1991	122,251,500	37,846,330	0	1S/4W 13	915
	1S/4W	13B	6039 College Ave	Oakland	Shell Oil Company	03/29/1991	122,251,940	37,848,491	0	1S/4W 13	1,566
	1S/4W	13B 1	6039 College Ave	Oakland	Shell Oil Company	03/29/1991	122,251,940	37,848,491	0	1S/4W 13	1,567
	1S/4W	13B 2	6039 College Ave	Oakland	Shell Oil Company	03/29/1991	122,251,940	37,848,491	0	1S/4W 13	1,568
	1S/4W	13B 3	6039 College Ave	Oakland	Shell Oil Company	03/29/1991	122,251,940	37,848,491	0	1S/4W 13	1,569
	1S/4W	13B 4	6039 College Ave	Oakland	Shell Oil Company	03/29/1991	122,251,940	37,848,491	0	1S/4W 13	1,570
	1S/4W	25B 5	5175 Broadway	Oakland	Mohammad M. Mehdiza	08/28/1991	122,251,412	37,835,727	0	1S/4W 25	1,957
	1S/4W	25B 4	5175 Broadway	Oakland	Mohammad M. Mehdiza	08/28/1991	122,251,412	37,835,727	0	1S/4W 25	1,958
	1S/4W	24H 1	5000 Piedmont Avenue	Oakland	Mountain View Cemeta	06/26/1990	122,244,526	37,832,324	8	1S/4W 24	357
	1S/4W	13H 2	5755 Broadway	Oakland	Shell Oil Company	05/29/1990	122,245,595	37,844,301	0	1S/4W 13	4
	1S/4W	13H 3	5755 Broadway	Oakland	Shell Oil Company	05/29/1990	122,245,595	37,844,301	0	1S/4W 13	5
	1S/4W	13M 3	5500 Telegraph Avenue	Oakland	Chevron, USA, Inc.	05/30/1990	122,261,462	37,840,524	8	1S/4W 13	6
	1S/4W	13M 4	5500 Telegraph Avenue	Oakland	Chevron, USA, Inc.	05/30/1990	122,261,462	37,840,524	8	1S/4W 13	7
	1S/4W	13G10	5800 College Av	Oakland	Chevron Products Co	09/11/1997	122,251,483	37,846,330	1	1S/4W 13	0
13347	1S/4W	24N21	327 34th St	Oakland	Val Strough Chevrolet	10/06/1997	122,260,619	37,822,151	1	1S/4W 24	0
13347	1S/4W	24N22	327 34th St	Oakland	Val Strough Chevrolet	10/06/1997	122,260,619	37,822,151	1	1S/4W 24	0
13347	1S/4W	24N23	327 34th St	Oakland	Val Strough Chevrolet	10/06/1997	122,260,619	37,822,151	1	1S/4W 24	0
16643	1S/4W	24E 6	4045 Broadway	Oakland	Accu-Tune	10/06/1997	122,256,094	37,828,372	1	1S/4W 24	0
16643	1S/4W	24E 7	4045 Broadway	Oakland	Accu-Tune	10/06/1997	122,256,094	37,828,372	1	1S/4W 24	0
16643	1S/4W	24E 8	4045 Broadway	Oakland	Accu-Tune	10/06/1997	122,256,094	37,828,372	1	1S/4W 24	0
16662	1S/4W	24M 8	3810 Broadway	Oakland	Friedkin	11/03/1997	122,257,017	37,826,492	1	1S/4W 24	0
16662	1S/4W	24M 9	3810 Broadway	Oakland	Friedkin	11/03/1997	122,257,017	37,826,492	1	1S/4W 24	0
16662	1S/4W	24M10	3810 Broadway	Oakland	Friedkin	11/03/1997	122,257,017	37,826,492	1	1S/4W 24	0
16662	1S/4W	24M11	3810 Broadway	Oakland	Friedkin	11/03/1997	122,257,017	37,826,492	1	1S/4W 24	0
6662	1S/4W	24M12	3810 Broadway	Oakland	Friedkin	11/03/1997	122,257,017	37,826,492	1	1S/4W 24	0
6662	1S/4W	24M13	3810 Broadway	Oakland	Friedkin	11/03/1997	122,257,017	37,826,492	1	1S/4W 24	0
3507	1S/4W	13C 7	5929 College Av	Oakland	Dreyer's Grand Ice Crea	11/03/1997	122,251,763	37,847,691	1	1S/4W 13	0
3507	1S/4W	13C 9	5929 College Av	Oakland	Dreyer's Grand Ice Crea	11/03/1997	122,251,763	37,847,691	1	1S/4W 13	0
5581	1S/4W	24M14	3810 Broadway	Oakland	Friedkin/Becker	02/04/1998	122,257,017	37,826,492	1	1S/4W 24	0
5581	1S/4W	24M15	3810 Broadway	Oakland	Friedkin/Becker	02/04/1998	122,257,017	37,826,492	1	1S/4W 24	0
2481	1S/4W	13C10	6039 College Av	Oakland	Shell Oil Company	03/12/1998	122,251,935	37,848,488	1	1S/4W 13	0
7WR172	1S/4W	24E 9	42nd St & Manila Av	Oakland	EBMUD	03/29/1998	122,256,583	37,831,400	1	1S/4W 24	0
7WR162	1S/4W	24E10	42nd St & Webster St	Oakland	EBMUD	03/29/1998	122,259,583	37,831,300	1	1S/4W 24	0
8WR288	1S/4W	24L24	3900 Piedmont Ave	Oakland	Chevron Products Co	09/29/1998	122,253,851	37,825,261	1	1S/4W 24	0
8WR288	1S/4W	24L25	3900 Piedmont Ave	Oakland	Chevron Products Co	09/29/1998	122,253,851	37,825,261	1	1S/4W 24	0
8WR288	1S/4W	24L26	3900 Piedmont Ave	Oakland	Chevron Products Co	09/29/1998	122,253,851	37,825,261	1	1S/4W 24	0
8WR288	1S/4W	24L27	3900 Piedmont Ave	Oakland	Chevron Products Co	09/29/1998	122,253,851	37,825,261	1	1S/4W 24	0

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Phone	City	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use	Lo	W	W	Yield	Dtwcalc	Old_dbase
0	OAK	7/94	0	40	26	2	MO	D	1	0	0	0	D
0	OAK	04/90	0	23	10	4	TES	D	0	0	0	0	D
0	OAK	04/90	0	27	12	4	TES	D	0	0	0	0	D
0	OAK	7/90	0	48	0	2	MO	D	0	0	0	0	D
0	OAK	8/90	179	28	16	2	MO	G	0	0	0	163	D
0	OAK	9/90	0	0	0	8	DES	?	0	0	0	0	D
0	OAK	7/90	0	0	8	0	BOR	G	0	0	0	0	D
0	OAK	1/90	0	0	0	10	BOR	G	0	0	0	0	D
0	OAK	1/90	196	25	0	4	MO	G	0	0	0	0	D
0	OAK	1/90	194	25	0	4	MO	G	0	0	0	0	D
0	OAK	6/91	0	290	90	6	DO	D	0	0	5	0	D
0	OAK	6/91	0	325	0	0	DO	D	0	0	0	0	D
0	OAK	4/89	0	290	55	6	IRR	D	0	0	100	0	D
0	OAK	9/89	0	10	4	4	MO	D	0	0	0	0	D
0	OAK	9/89	0	10	4	4	MO	D	0	0	0	0	D
0	OAK	11/89	0	30	13	2	MO	D	0	0	0	0	D
0	OAK	11/89	0	29	13	2	MO	D	0	0	0	0	D
0	OAK	7/96	0	30	22	2	MO	D	0	0	0	0	D
0	OAK	7/93	0	32	25	2	MO	G	0	0	0	0	D
0	OAK	7/93	0	33	22	2	MO	G	0	0	0	0	D
0	OAK	7/93	0	34	23	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	19	12	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	19	13	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	20	13	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	18	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	23	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/96	0	35	33	2	MO	G	0	0	0	0	D
0	OAK	9/93	185	28	13	2	MO	G	0	0	0	172	D
0	OAK	9/93	188	30	0	2	MO	G	0	0	0	188	D
0	OAK	10/95	0	28	20	2	MO	G	0	0	0	0	D
0	OAK	10/95	0	37	35	2	MO	G	0	0	0	0	D
0	OAK	9/93	0	25	14	2	MO	D	0	0	0	0	D
0	OAK	1/98	0	130	0	5	CAT	D	0	0	0	0	D
0	OAK	12/97	0	130	0	5	CAT	D	0	0	0	0	D
0	OAK	7/98	0	18	11	2	MO	D	0	0	0	0	D
0	OAK	7/98	0	17	10	2	MO	D	0	0	0	0	D
0	OAK	7/98	0	17	12	2	MO	D	0	0	0	0	D
0	OAK	7/98	0	17	12	2	MO	D	0	0	0	0	D

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Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tsrqg	Rec_code
97WR085	1S/4W	24E11	4045 Broadway	Oakland	Accu-Tune	10/08/1998	122,256,094	37,828,372	1	1S/4W 24	0
97WR164	1S/4W	24D 4	49th St & Webster St	Oakland	EBMUD	10/27/1998	122,259,383	37,835,800	1	1S/4W 24	0
97WR006	1S/4W	24N24	240 W. MacArthur Blvd	Oakland		10/27/1998	122,256,525	37,823,977	1	1S/4W 24	0
97WR006	1S/4W	24N25	240 W. MacArthur Blvd	Oakland		10/27/1998	122,256,525	37,823,977	1	1S/4W 24	0
97WR006	1S/4W	24N26	240 W MacArthur Blvd	Oakland		10/27/1998	122,256,525	37,823,977	1	1S/4W 24	0
97WR006	1S/4W	24N27	240 W. MacArthur Blvd	Oakland		10/27/1998	122,256,525	37,823,977	1	1S/4W 24	0
	1S/3W	18E	5710 Margarido Dr.	Oakland	Mr. E. Heafey	07/15/1990	122,241,854	37,841,794	0	1S/3W 18	683
	1S/4W	13Q 1	5300 Broadway	Oakland	Unocal S/S #1028	07/31/1990	122,249,923	37,837,729	0	1S/4W 13	802
	1S/4W	13Q 2	5300 Broadway	Oakland	Unocal S/S #1028	07/31/1990	122,249,923	37,837,729	0	1S/4W 13	803
	1S/4W	13Q 3	5300 Broadway	Oakland	Unocal S/S #1028	07/31/1990	122,249,923	37,837,729	0	1S/4W 13	804
	1S/4W	24B 2	5175 Broadway	Oakland	M.Mehdzaden	07/31/1990	122,251,412	37,835,727	0	1S/4W 24	816
	1S/3W	19M 1	GRAND AV & HOLLY P	Piedmont	EBMUD	12/10/1984	122,241,700	37,825,600	8	1S/3W 19	2,089
	1S/3W	19M 4	GRAND AV & HOLLY P	Piedmont	EBMUD	07/23/1984	122,241,700	37,825,600	8	1S/3W 19	2,092
	1S/4W	25D	3093 Broadway	Oakland	Connell Oldsmobile	07/23/1993	122,260,708	37,820,808	1	1S/4W 25	0
	1S/4W	24N 2	3701 Broadway	Oakland	Chevron, USA	08/14/1991	122,258,150	37,824,976	0	1S/4W 24	1,946
	1S/4W	24N11	280 W. MacArthur	Oakland	Kaiser Hospital	04/26/1991	122,257,574	37,824,547	3	1S/4W 24	1,633
	1S/4W	24N 5	3505 Broadway	Oakland	Kaiser Foundation	07/09/1990	122,259,457	37,823,077	0	1S/4W 24	488
	1S/4W	24M 1	411 W MacArthur Blvd	Oakland	Unocal Corporation	06/05/1990	122,261,603	37,825,545	3	1S/4W 24	151
	1S/4W	24M 2	411 W. MacArthur Blvd	Oakland	Unocal Corporation	06/05/1990	122,261,603	37,825,545	3	1S/4W 24	152
	1S/4W	24M 3	411 W. MacArthur Blvd	Oakland	Unocal Corporation	06/05/1990	122,261,603	37,825,545	3	1S/4W 24	153
	1S/4W	24M 4	411 W MacArthur Blvd	Oakland	Unocal Corporation	06/05/1990	122,261,603	37,825,545	3	1S/4W 24	154
	1S/4W	24P 7	230 MacArthur Blvd.	Oakland	Shell Oil Company	06/21/1990	122,256,380	37,823,860	3	1S/4W 24	314
	1S/4W	26H 6	2915 Broadway	Oakland	European Motors	06/21/1990	122,262,457	37,818,081	0	1S/4W 26	322
	1S/4W	26H 7	2915 Broadway	Oakland	European Motors	06/21/1990	122,262,457	37,818,081	0	1S/4W 26	323
	1S/4W	26H 8	2915 Broadway	Oakland	European Motors	06/21/1990	122,262,457	37,818,081	0	1S/4W 26	324
	1S/4W	24P	230 MacArthur Blvd	Oakland	Shell Oil Company	06/27/1990	122,256,380	37,823,860	3	1S/4W 24	387
	1S/4W	24N 3	3505 Broadway	Oakland	Kaiser Foundation	07/09/1990	122,259,457	37,823,077	0	1S/4W 24	486
	1S/4W	24N 4	3505 Broadway	Oakland	Kaiser Foundation	07/09/1990	122,259,457	37,823,077	0	1S/4W 24	487
	1S/4W	24N 6	3505 Broadway	Oakland	Kaiser Foundation	07/24/1990	122,259,457	37,823,077	0	1S/4W 24	644
	1S/4W	24P	230 MacArthur Bouleva	Oakland	Shell Service Station	07/24/1990	122,256,380	37,823,860	8	1S/4W 24	646
	1S/4W	26A 2	3093 Broadway	Oakland	Connel Oldsmobile	01/11/1991	122,260,700	37,820,830	0	1S/4W 26	929
	1S/4W	24M 5	3785 Broadway	Oakland	Firestone Tire & Rubber	03/08/1991	122,257,261	37,826,500	0	1S/4W 24	1,101
	1S/4W	24N 7	3505 Broadway	Oakland	Kaiser Foundation	03/08/1991	122,259,457	37,823,077	0	1S/4W 24	1,159
	1S/4W	26A	3093 Broadway	Oakland	Connel Oldsmobile	03/14/1991	122,260,700	37,820,830	0	1S/4W 26	1,242
	1S/4W	24N 9	280 W. MacArthur Blvd	Oakland	Kaiser Hospital	04/17/1991	122,257,574	37,824,547	3	1S/4W 24	1,624
	1S/4W	24N 8	280 W MacArthur Blvd	Oakland	Kaiser Hospital	04/17/1991	122,257,574	37,824,547	3	1S/4W 24	1,625
	1S/4W	26A 3	3093 Broadway	Oakland	Connell Oldsmobile	04/17/1991	122,260,700	37,820,830	0	1S/4W 26	1,627
	1S/4W	26A 4	3093 Broadway	Oakland	Connell Oldsmobile	04/17/1991	122,260,700	37,820,830	0	1S/4W 26	1,628
	1S/4W	26A 5	3093 Broadway	Oakland	Connell Oldsmobile	04/17/1991	122,260,700	37,820,830	0	1S/4W 26	1,629
	1S/4W	26A 6	3093 Broadway	Oakland	Connell Oldsmobile	04/17/1991	122,260,700	37,820,830	0	1S/4W 26	1,630
	1S/4W	26A 7	3093 Broadway	Oakland	Connell Oldsmobile	04/17/1991	122,260,700	37,820,830	0	1S/4W 26	1,631

Ph	Cit	ldate	Eleva	Total	Depth	Diameter	Use	Co	W	W	Yield	Dtwcalc	Old	abase
0	OAK	9/97	0	20	12	2	MO	G	0	0	0	0	D	
0	OAK	12/97	0	13	0	5	CAT	D	0	0	0	0	D	
0	OAK	8/97	0	25	19	4	MO	G	2	0	0	0	D	
0	OAK	8/97	0	25	0	4	MO	G	2	0	0	0	D	
0	OAK	8/97	0	25	19	4	MO	G	2	0	0	0	D	
0	OAK	8/97	0	25	19	4	MO	G	2	0	0	0	D	
0	OAK	06/89	0	400	0	0	ABN	D	0	0	0	0	D	
0	OAK	04/90	0	15	8	2	MO	G	0	0	0	0	D	
0	OAK	04/90	0	19	10	2	MO	G	0	0	0	0	D	
0	OAK	04/90	0	20	9	2	MO	G	0	0	0	0	D	
0	OAK	04/90	0	23	22	4	TES	D	0	0	0	0	D	
0	PIE	2/76	0	65	0	0	CAT	D	0	0	0	0	L	
0	PIE	1/82	0	65	0	0	CAT	D	0	0	0	0	L	
0	OAK	10/92	0	35	28	0	BOR	G	0	0	0	0	D	
0	OAK	6/91	0	0	0	6	DES	?			0	0	D	
0	OAK	3/91	0	35	25	2	MO	D	0	0	0	0	D	
0	OAK	11/89	96	22	16	2	MO	G	0	0	0	80	D	
0	OAK	9/89	0	29	19	2	MO	G	4	0	0	0	D	
0	OAK	9/89	0	29	19	2	MO	G	4	0	0	0	D	
0	OAK	9/89	0	29	19	2	MO	G	4	0	0	0	D	
0	OAK	9/89	0	29	19	2	MO	G	4	0	0	0	D	
0	OAK	1/90	0	25	15	4	MO	G	+	+	0	0	D	
0	OAK	2/90	45	30	12	2	MO	G	0	1	0	33	D	
0	OAK	2/90	44	30	11	2	MO	G	0	1	0	33	D	
0	OAK	2/90	44	30	10	2	MO	G	0	1	0	34	D	
0	OAK	8/89	0	13	0	8	BOR	G	0	0	0	0	D	
0	OAK	10/89	98	27	22	2	MO	G	0	0	0	76	D	
0	OAK	11/89	97	24	20	2	MO	G	0	0	0	77	D	
0	OAK	04/90	0	35	0	2	MO	G	0	0	0	0	D	
0	OAK	07/88	0	18	0	1	BOR	G	5	5	0	0	D	
0	OAK	10/90	90	18	4	2	MO	D	0	0	0	86	D	
0	OAK	2/91	0	30	10	2	MO	D	0	0	0	0	D	
0	OAK	11/90	0	14	9	8	BOR	G	0	0	0	0	D	
0	OAK	10/90	0	22	13	2	MO	G	1	1	0	0	D	
0	OAK	3/91	0	25	12	4	MO	D	0	0	0	0	D	
0	OAK	3/91	0	25	7	4	MO	D	0	0	0	0	D	
0	OAK	11/90	0	41	40	2	MO	D	0	0	0	0	D	
0	OAK	2/91	0	15	7	4	MO	D	0	0	0	0	D	
0	OAK	2/91	0	40	27	2	MO	D	0	0	0	0	D	
0	OAK	2/91	0	35	22	2	MO	D	0	0	0	0	D	
0	OAK	2/91	0	30	24	2	MO	D	0	0	0	0	D	

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Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tsrqq	Rec_code
	1S/4W	26A 8	3093 Broadway	Oakland	Connell Oldsmobile	04/17/1991	122,260,700	37,820,830	0	1S/4W 26	1,632
	1S/4W	24N10	280 W. MacArthur	Oakland	Kaiser Hospital	04/26/1991	122,257,574	37,824,547	3	1S/4W 24	1,634
	1S/4W	24N12	280 W. MacArthur	Oakland	Kaiser Hospital	06/12/1991	122,257,574	37,824,547	3	1S/4W 24	1,670
	1S/4W	24N13	280 W MacArthur	Oakland	Kaiser Hospital	06/12/1991	122,257,574	37,824,547	3	1S/4W 24	1,671
	1S/4W	26H 9	2740 Broadway Ave	Oakland	Broadway Volkswagen	07/29/1991	122,263,401	37,816,191	3	1S/4W 26	1,751
	1S/4W	24N14	3701 Broadway	Oakland	Chevron USA	08/02/1991	122,258,150	37,824,976	0	1S/4W 24	1,929
	1S/4W	24N 1	3701 Broadway	Oakland	Chevron, USA	08/14/1991	122,258,150	37,824,976	0	1S/4W 24	1,945
	1S/4W	24L11	3810 Broadway	Oakland	Friedkin-Becker	11/15/1991	122,257,041	37,826,498	0	1S/4W 24	2,015
	1S/4W	25D 1	3093 Broadway	Oakland	Connell Oldsmobile B-	07/23/1993	122,260,708	37,820,808	1	1S/4W 25	0
	1S/4W	25D 2	3093 Broadway	Oakland	Connell Oldsmobile B-	07/23/1993	122,260,708	37,820,808	1	1S/4W 25	0
	1S/4W	25D 3	3093 Broadway	Oakland	Connell Oldsmobile B-	07/23/1993	122,260,708	37,820,808	1	1S/4W 25	0
	1S/4W	25D 5	3093 Broadway	Oakland	Connell Oldsmobile B-	07/23/1993	122,260,708	37,820,808	1	1S/4W 25	0
	1S/4W	24N20	3505 Broadway	Oakland	Kaiser Foundation MW	07/27/1993	122,259,447	37,823,085	1	1S/4W 24	0
	1S/4W	26H	294 27th St.	Oakland	MR & RB Assoc.	07/27/1993	122,262,216	37,815,029	1	1S/4W 26	0
	1S/3W	19M 2	RICARDO & ARTUNA A	Piedmont	CITY OF FREMONT	07/31/1984	122,239,400	37,826,300	0	1S/3W 19	2,090
	1S/3W	19M 3	RICARDO & ARTUNA A	Piedmont	CITY OF PIEDMONT	07/23/1984	122,239,400	37,826,300	0	1S/3W 19	2,091
	1S/3W	24G 1	4299 PIEDMONT AVE	Oakland	LA MANCHA DEVEL. C	02/03/1988	122,249,000	37,829,240	0	1S/3W 24	2,126

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Ph	Cit	Id	dat	Eleva	Totaldepth	Waterdepth	Diameter	Use	Lo	W	W	Yield	Dtwcalc	Old_dbase
0	OAK	3/91		0	35	25	2	MO	D	0	0	0	0	D
0	OAK	3/91		0	33	20	2	MO	D	0	0	0	0	D
0	OAK	12/90		0	52	13	10	BOR	G	0	0	0	0	D
0	OAK	2/91		0	35	20	2	PIE	G	0	0	0	0	D
0	OAK	4/91		5	17	3	2	MO	G	1	1	0	2	D
0	OAK	3/91		0	20	6	2	MO	D			0	0	D
0	OAK	4/91		0	17	2	2	MO	D			0	0	D
0	OAK	10/91		0	36	12	2	MO	D	0	0	0	0	D
0	OAK	10/92		0	40	0	6	MO	G	0	0	0	0	D
0	OAK	10/92		0	32	0	2	MO	G	0	0	0	0	D
0	OAK	10/92		0	35	0	6	MO	G	0	0	0	0	D
0	OAK	10/92		0	40	36	2	BOR	G	0	0	0	0	D
0	OAK	8/92		0	29	29	4	MO	G	0	0	0	0	D
0	OAK	9/92		0	20	8	0	BOR	G	0	0	0	0	D
0	PIE	8/77		0	300	35	0	IRR	D	0	0	10	0	L
0	PIE	10/77		0	300	0	0	IRR	D	0	0	15	0	L
0	OAK	4/87		0	25	7	2	MO	G			0	0	L

Pg 27

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.

[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.

[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"

[EXT] Extraction well - generally used in site remediation to extract contaminated water for treatment.

[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.

[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 well used to supply water for industrial use

[INJ] Injection well - reintroduces water into the aquifer for recharge

[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.

[REC] Recovery well - same as extraction well

[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

[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.

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

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

August 9, 2000
StID # 4252

Mr. John Ward
Wells Fargo Trust
P.O. Box 63939
San Francisco, CA 94163

Re: Blumert Trust, 490 43rd St., Oakland CA 94609

Dear Mr. Ward:

This letter serves to summarize the items discussed in our meeting today. It includes a list of additional requirements needed for the above referenced site before our office can consider site closure. It appears that sufficient monitoring of wells MW1-MW-3 has been done and a trend has been established.

Your consultant and our office have determined that the following items should be performed prior to case closure recommendation:

- Perform a well survey, the radius of which will be justified by your consultant. Rationale will be given to justify the need or lack thereof to further investigate any potentially impacted wells identified.
- Perform a sensitive receptor survey to identify things such as surface water bodies, conduits, basements, nursing homes and day care centers. A radius of this survey was suggested as 250 feet, but it should be justified as above. Should basements be identified, a door to door survey may be necessary.
- Perform a risk assessment. Assuming no surface water bodies are affected, benzene and MTBE have been identified as the contaminants of concern for the risk assessment. It is anticipated that a Tier 1 (comparison of concentrations against standard health based numbers) will be sufficient.
- Provide a risk management plan. At a minimum, this would include a method of notification of workers both on and off-site of the residual soil and groundwater contamination. Mr. Mark Gomez of the City of Oakland Public Works, was recommended to be contacted.
- Future monitoring would consist of one additional monitoring of well MW-4 in conjunction with the monitoring of Mr. Simpson's well, MW1A, at 489 43rd St. You were encouraged to continue working with Mr. Simpson and his consultant as the two sites are intimately involved.

Please provide a brief work plan to address the above requested items. Meanwhile, our office will initiate preparation of a closure summary.

January 12, 2001

Dear Tenant,

ACC Environmental Consultants, Inc. (ACC) is distributing this questionnaire on behalf of the owner of the property located at 490 43rd Street, Oakland, California. The owner of that property has been required by the Alameda County Department of Environmental Health to conduct a survey of potential sensitive receptors within 250 feet of the property.

Underground storage tanks, formerly used to store gasoline and mineral spirits (paint thinner), were removed from the site in 1991. Subsequent investigation determined that materials stored in the tanks had impacted groundwater beneath the site, prompting regulatory oversight from the Department of Environmental Health. The Department is evaluating data to close the site to regulatory oversight, and requires sensitive receptor data from the surrounding community. ACC is asking that you complete the questions below and return the questionnaire in the envelope provided. If you have any questions, please contact Neil Doran at (510) 638-8400, ext. 113. *Please indicate address at bottom of page*

To the best of your knowledge, does the property where you live have any irrigation, monitoring, or domestic wells?

Yes _____ No ✓

To the best of your knowledge, does the property where you live have an accessible basement?

Yes _____ No ✓

Additional comments:

461-463 43rd St.

January 16, 2001

Dear Tenant,

ACC Environmental Consultants, Inc. (ACC) is distributing this questionnaire on behalf of the owner of the property located at 490 43rd Street, Oakland, California. The owner of that property has been required by the Alameda County Department of Environmental Health to conduct a survey of potential sensitive receptors to groundwater within 250 feet of the property.

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To the best of your knowledge, does the property where you live have any irrigation, monitoring, or domestic wells?

Yes _____ No /

To the best of your knowledge, does the property where you live have an accessible basement?

Yes _____ No _____

Additional comments:

486 43rd St.

*Basement
43rd St*

January 12, 2001

Dear Tenant,

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To the best of your knowledge, does the property where you live have any irrigation, monitoring, or domestic wells?

Yes _____ No X

To the best of your knowledge, does the property where you live have an accessible basement?

Yes _____ No X

Additional comments:

485 43rd St.

THOMAS L. BOCCI (1922-1975)
DANIEL J. MODENA
GARY ROYCE

LAW OFFICES OF
MODENA & ROYCE
GRAND EXECUTIVE BUILDING, SUITE A
421 GRAND AVENUE, SUITE A
SOUTH SAN FRANCISCO, CALIFORNIA 94080

TELEPHONES
(650) 589-3913
FAX: (650) 589-3980

February 1, 2001

ACC Environmental Consultants
Attn: Neil Doran
7977 Capwell Drive, Suite 100
Oakland CA 94621

Re: Estate of Pomakis

Dear Mr. Doran:

I am in receipt of the enclosed questionnaires from your Company. Please be advised that the owner of the home, George Pomakis of 485 43rd Street, Oakland, is deceased. I have no knowledge of the answers you are seeking. My clients have advised me that there is no underground rooms at that location.

Please advise.

Very truly yours,



DANIEL J. MODENA

DJM/slb



January 16, 2001

Dear Tenant,

ACC Environmental Consultants, Inc. (ACC) is distributing this questionnaire on behalf of the owner of the property located at 490 43rd Street, Oakland, California. The owner of that property has been required by the Alameda County Department of Environmental Health to conduct a survey of potential sensitive receptors to groundwater within 250 feet of the property.

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To the best of your knowledge, does the property where you live have any irrigation, monitoring, or domestic wells?

Yes _____ No X

To the best of your knowledge, does the property where you live have an accessible basement?

Yes _____ No X

Additional comments:

4335 TELEGRAPH

January 16, 2001

Dear Tenant,

ACC Environmental Consultants, Inc. (ACC) is distributing this questionnaire on behalf of the owner of the property located at 490 43rd Street, Oakland, California. The owner of that property has been required by the Alameda County Department of Environmental Health to conduct a survey of potential sensitive receptors to groundwater within 250 feet of the property.

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To the best of your knowledge, does the property where you live have any irrigation, monitoring, or domestic wells?

Yes _____

No _____

UNKNOWN

To the best of your knowledge, does the property where you live have an accessible basement?

Yes _____

No _____

Not to my knowledge

Additional comments:

507 43rd Street

January 16, 2001

Dear Tenant,

ACC Environmental Consultants, Inc. (ACC) is distributing this questionnaire on behalf of the owner of the property located at 490 43rd Street, Oakland, California. The owner of that property has been required by the Alameda County Department of Environmental Health to conduct a survey of potential sensitive receptors to groundwater within 250 feet of the property.

Underground storage tanks, formerly used to store gasoline and mineral spirits (paint thinner), were removed from the site in 1991. Subsequent investigation determined that materials stored in the tanks had impacted groundwater beneath the site, prompting regulatory oversight from the Department of Environmental Health. The Department is evaluating data to close the site to regulatory oversight, and requires sensitive receptor data from the surrounding community. ACC is asking that you complete the questions below and return the questionnaire in the envelope provided. If you have any questions, please contact Neil Doran at (510) 638-8400, ext. 113.

To the best of your knowledge, does the property where you live have any irrigation, monitoring, or domestic wells?

Yes _____ No X

To the best of your knowledge, does the property where you live have an accessible basement?

Yes _____ No X

Additional comments:

483 43rd Street

January 12, 2001

Dear Tenant,

ACC Environmental Consultants, Inc. (ACC) is distributing this questionnaire on behalf of the owner of the property located at 490 43rd Street, Oakland, California. The owner of that property has been required by the Alameda County Department of Environmental Health to conduct a survey of potential sensitive receptors within 250 feet of the property.

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To the best of your knowledge, does the property where you live have any irrigation, monitoring, or domestic wells?

Yes _____ No ✓ _____

To the best of your knowledge, does the property where you live have an accessible basement?

Yes _____ No ✓ _____

Additional comments:

January 16, 2001

Dear Tenant,

ACC Environmental Consultants, Inc. (ACC) is distributing this questionnaire on behalf of the owner of the property located at 490 43rd Street, Oakland, California. The owner of that property has been required by the Alameda County Department of Environmental Health to conduct a survey of potential sensitive receptors to groundwater within 250 feet of the property.

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To the best of your knowledge, does the property where you live have any irrigation, monitoring, or domestic wells?

Yes _____ No ✓

To the best of your knowledge, does the property where you live have an accessible basement?

Yes _____ No ✓

Additional comments:

489 43rd Street

January 16, 2001

Dear Tenant,

ACC Environmental Consultants, Inc. (ACC) is distributing this questionnaire on behalf of the owner of the property located at 490 43rd Street, Oakland, California. The owner of that property has been required by the Alameda County Department of Environmental Health to conduct a survey of potential sensitive receptors to groundwater within 250 feet of the property.

Underground storage tanks, formerly used to store gasoline and mineral spirits (paint thinner), were removed from the site in 1991. Subsequent investigation determined that materials stored in the tanks had impacted groundwater beneath the site, prompting regulatory oversight from the Department of Environmental Health. The Department is evaluating data to close the site to regulatory oversight, and requires sensitive receptor data from the surrounding community. ACC is asking that you complete the questions below and return the questionnaire in the envelope provided. If you have any questions, please contact Neil Doran at (510) 638-8400, ext. 113.

To the best of your knowledge, does the property where you live have any irrigation, monitoring, or domestic wells?

Yes _____

No X _____

To the best of your knowledge, does the property where you live have an accessible basement?

Yes _____

No X _____

Additional comments:

41241 TELEGRAPH AVENUE

January 16, 2001

Dear Tenant,

ACC Environmental Consultants, Inc. (ACC) is distributing this questionnaire on behalf of the owner of the property located at 490 43rd Street, Oakland, California. The owner of that property has been required by the Alameda County Department of Environmental Health to conduct a survey of potential sensitive receptors to groundwater within 250 feet of the property.

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Trevor Bosan?

To the best of your knowledge, does the property where you live have any irrigation, monitoring, or domestic wells?

Yes No

To the best of your knowledge, does the property where you live have an accessible basement?

Yes No

Additional comments:

4228 TELEGRAPH AVENUE

January 16, 2001

Dear Tenant,

ACC Environmental Consultants, Inc. (ACC) is distributing this questionnaire on behalf of the owner of the property located at 490 43rd Street, Oakland, California. The owner of that property has been required by the Alameda County Department of Environmental Health to conduct a survey of potential sensitive receptors to groundwater within 250 feet of the property.

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To the best of your knowledge, does the property where you live have any irrigation, monitoring, or domestic wells?

Yes _____ No X _____

To the best of your knowledge, does the property where you live have an accessible basement?

Yes _____ No X _____

Additional comments:

*4202 Telegraph Ave
Oakland, CA 94609*

Table G-1

Calculation of Emission Rate and Concentration of Benzene from Groundwater in Indoor and Ambient Air Using Farmer's Simplified Indoor and Box Models and Estimation of Cancer and Non-Cancer Risks for Residential and Occupational Inhalation Exposure Only

Basic Data	Conc in Water (mg/L)	Depth to Groundwater (ft)	Emission Rate		Indoor Air Conc.		Ambient Air Conc.		Residential Inhalation Exposure Risk				Occupational Inhalation Exposure Risk					
			Clay Soil	Sand Soil	Clay Soil	Sand Soil	Clay Soil	Sand Soil	ELCR		HQ		ELCR		HQ			
									(mg/m ³)	(mg/m ³)	(mg/m ³)	(mg/m ³)	(mg/m ³)	(mg/m ³)				
Chemical	Benzene	0.005																
Henry's Law Constant	0.228 Unitless		1	5	10	15	20	25	30	50	1	5	10	15	20	25	30	50
Air Diffusion Coefficient	0.08715 cm ² /sec		1.12E-03	6.49E-04	2.63E-01	1.53E-01	5.92E-03	3.45E-03	1.22E-03	7.11E-04	NA	NA	7.20E-06	4.19E-06	NA	NA	NA	NA
Water Content	0.15 for sand soil 0.225 for clay soil		2.23E-04	1.30E-04	5.27E-02	3.07E-02	1.18E-03	6.90E-04	2.44E-04	1.42E-04	NA	NA	1.44E-06	8.39E-07	NA	NA	NA	NA
Indoor Area	2000 ft ²	0.05	1.12E-04	6.49E-05	2.63E-02	1.53E-02	5.92E-04	3.45E-04	1.22E-04	7.11E-05	NA	NA	7.20E-07	4.19E-07	NA	NA	NA	NA
Box Area	105300 ft ²		7.43E-05	4.33E-05	1.76E-02	1.02E-02	3.95E-04	2.30E-04	8.13E-05	4.74E-05	NA	NA	4.80E-07	2.80E-07	NA	NA	NA	NA
Average Wind Speed	13.71 ft/sec		5.58E-05	3.25E-05	1.32E-02	7.67E-03	2.96E-04	1.72E-04	6.10E-05	3.55E-05	NA	NA	3.60E-07	2.10E-07	NA	NA	NA	NA
Cross-wind Width	357 ft		4.46E-05	2.60E-05	1.05E-02	6.14E-03	2.37E-04	1.38E-04	4.88E-05	2.84E-05	NA	NA	2.88E-07	1.68E-07	NA	NA	NA	NA
Down-wind Length	295 ft	0.1	3.72E-05	2.16E-05	8.78E-03	5.11E-03	1.97E-04	1.15E-04	4.07E-05	2.37E-05	NA	NA	2.40E-07	1.40E-07	NA	NA	NA	NA
Roughness Height	0.16 ft		2.23E-05	1.30E-05	5.27E-03	3.07E-03	1.18E-04	6.90E-05	2.44E-05	1.42E-05	NA	NA	1.44E-07	8.39E-08	NA	NA	NA	NA
Mixing Height	26.6 ft		1.12E-02	6.49E-03	2.63E+00	1.53E+00	5.92E-02	3.45E-02	1.22E-02	7.11E-03	NA	NA	7.20E-05	4.19E-05	NA	NA	NA	NA
Attenuation Factor	0.1		2.23E-03	1.30E-03	5.27E-01	3.07E-01	1.18E-02	6.90E-02	2.44E-03	1.42E-03	NA	NA	1.44E-05	8.39E-06	NA	NA	NA	NA
Building Height	10 ft	0.25	1.49E-03	8.66E-04	3.51E-01	2.05E-01	7.90E-03	4.60E-03	1.63E-03	9.48E-04	NA	NA	9.60E-06	5.59E-06	NA	NA	NA	NA
Air Exchange Rate	12 times/day		1.12E-03	6.49E-04	2.63E-01	1.53E-01	5.92E-03	3.45E-03	1.22E-03	7.11E-04	NA	NA	7.20E-06	4.19E-06	NA	NA	NA	NA
Porosity	0.45 for clay soil 0.3 for sand soil		8.92E-04	5.20E-04	2.11E-01	1.23E-01	4.74E-03	2.76E-03	9.76E-04	5.69E-04	NA	NA	5.76E-06	3.36E-06	NA	NA	NA	NA
			7.43E-04	4.33E-04	1.76E-01	1.02E-01	3.95E-03	2.30E-03	8.13E-04	4.74E-04	NA	NA	4.80E-06	2.80E-06	NA	NA	NA	NA
			4.46E-04	2.60E-04	1.05E-01	6.14E-02	2.37E-03	1.38E-03	4.88E-04	2.84E-04	NA	NA	2.88E-06	1.68E-06	NA	NA	NA	NA
			5.58E-02	3.25E-02	1.32E+01	7.67E+00	2.96E-01	1.72E-01	6.10E-02	3.55E-02	NA	NA	3.60E-04	2.10E-04	NA	NA	NA	NA
			1.12E-02	6.49E-03	2.63E+00	1.53E+00	5.92E-02	3.45E-02	1.22E-02	7.11E-03	NA	NA	7.20E-05	4.19E-05	NA	NA	NA	NA
			3.72E-03	2.16E-03	8.78E-01	5.11E-01	1.97E-02	1.15E-02	4.07E-03	2.37E-03	NA	NA	2.40E-05	1.40E-05	NA	NA	NA	NA
			2.79E-03	1.62E-03	6.59E-01	3.84E-01	1.48E-02	8.62E-03	3.05E-03	1.78E-03	NA	NA	1.80E-05	1.05E-05	NA	NA	NA	NA
			2.23E-03	1.30E-03	5.27E-01	3.07E-01	1.18E-02	6.90E-03	2.44E-03	1.42E-03	NA	NA	1.44E-05	8.39E-06	NA	NA	NA	NA
			1.86E-03	1.08E-03	4.39E-01	2.56E-01	9.87E-03	5.75E-03	2.03E-03	1.18E-03	NA	NA	1.20E-05	6.99E-06	NA	NA	NA	NA