

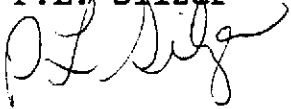
Memorandum

FILE #	SS	<b>UNOCAL</b> 76			
SENT	QM	TRANSMITTAL			
1	2	3	4	5	6

San Ramon, California  
December 14, 1992

TO: J. L. Cierley

FROM: P.L. Silzer



**OFF-SITE ACCESS REQUEST**  
**Unocal Service Station #5760**  
**376 Lewelling Blvd.**  
**San Lorenzo, California**

Attached please find the access information requested in your November 25, 1992 memo. This information was requested by Mr. David J. Reimer, owner of property in the vicinity of our site. Please proceed with the access agreement.

I have scheduled a meeting with Mr. Reimer for Tuesday December 15, 1992 at 2 pm at the Unocal service station.

If you have any questions, please call me, network, 355-2320.

Attachment

cc: R. E. Bock (w/o)  
N. P. Mead



**GeoStrategies Inc.**

2140 WEST WINTON AVENUE  
HAYWARD, CALIFORNIA 94545

(510) 352-4800

December 7, 1992

UNOCAL Corporation  
Post Office Box 5155  
San Ramon, California 94583

Attn: Ms. Penny Silzer

Re: Access Information Requested  
UNOCAL Service Station No. 5760  
376 Lewelling Boulevard  
San Lorenzo, California

FILE #	5168	SS	X	BP
RPT	_____	QM	_____	TRANSMIT
1	2	3	4	X 5

Ms. Silzer:

This letter was prepared in response to your fax dated December 3, 1992, requesting information required by J. L. Cierley of UNOCAL Real Estate Division. This fax is attached and the responses are numbered accordingly.

Responses are as follows:

- 1) Yes, the location of the proposed well is flexible, however, the closer we can get to the proposed location, the better.
- 2) Quarterly sampling of the proposed well is planned. Depending on the results, this frequency could be reduced.

Property Manager

- 3) One well was installed at the property owned by:

Mike Jaeger  
15500 E. 14th St.

Don Del Company  
21119 Redwood Road  
Castro Valley, California 94546  
Attention: Lloyd Donohue, General Partner

San Leandro, CA 94578

(510) 278-0800 ext. 113

:UNOCALMISC/NO5760.DJV/(rt)

**GeoStrategies Inc.**

UNOCAL Corporation  
December 7, 1992  
Page 2

Located at: 15636-15640 Usher Street  
San Lorenzo, California

- 4) Three wells were installed along Usher Street and permitted through:

County of Alameda  
Public Work Agency  
399 Elmhurst Street  
Hayward, California 94544-1395

Attention: Mr. John Rodgers

I trust this is the information required at this time. Please call if you have any questions or comments.

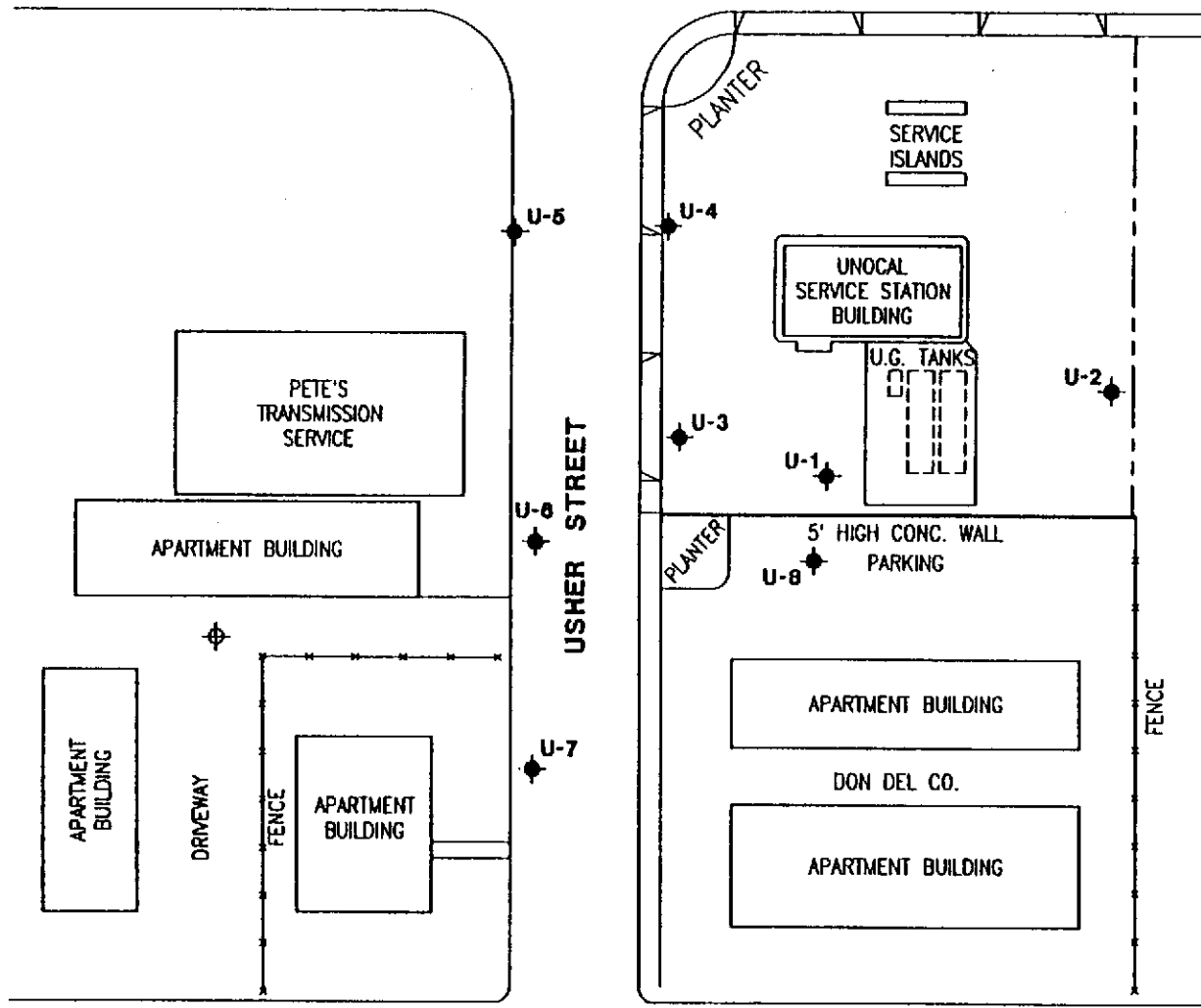
Sincerely,

  
David J. Vossler  
Project Manager

LEWELLING BOULEVARD

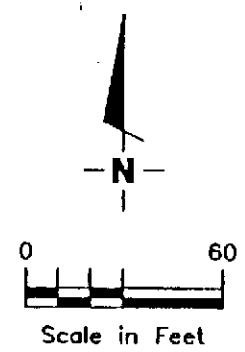
EXPLANATION

- ◆ Ground-water monitoring well
- ⊕ Proposed Ground-water monitoring well



ALBION AVENUE

Base Map: Field observations



GeoStrategies Inc.

**EXTENDED SITE PLAN**  
 UNOCAL Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

PLATE

**2**

JOB NUMBER  
780905-11

REVIEWED BY  
*TPL*

DATE  
8/92

REVISED DATE

## **GeoStrategies Inc.**

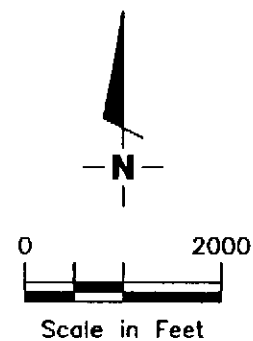
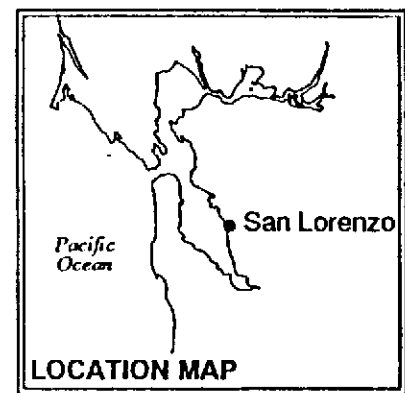
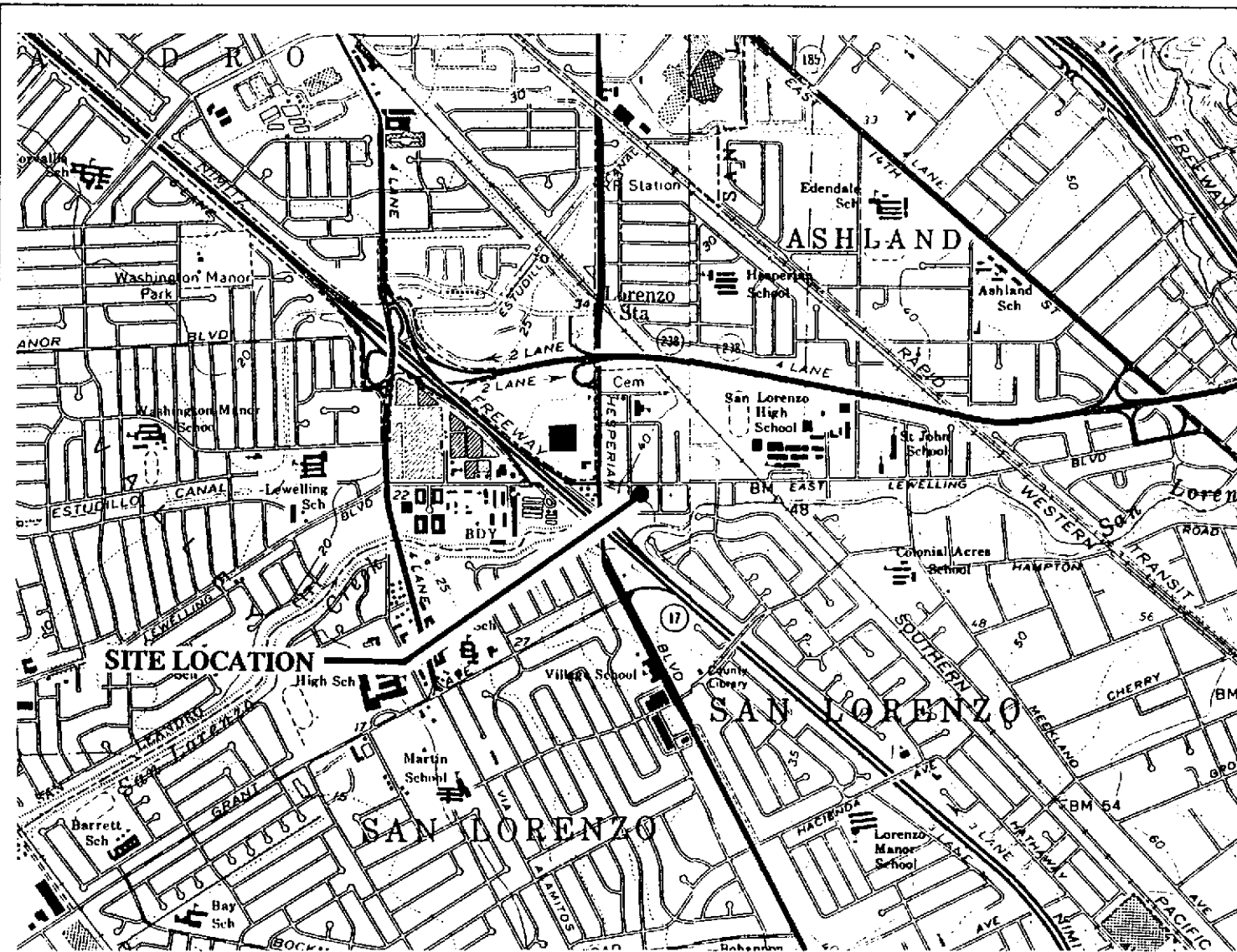
### REFERENCES SITED

GeoStrategies Inc., 1990, Well Installation Report, Report No. 7809-3, dated November 16, 1990.

GeoStrategies Inc., 1992, Well Installation Report, Report No. 780902-10, dated June 15, 1992.

Helley, E.J. and others, 1979, Flatland deposits of the San Francisco Bay Region, California - Their geology and engineering properties, and their importance to comprehensive planning: U.S. Geological Survey Professional Paper 943.

Woodward-Clyde Consultants, 1988, Well Installation Report, Report No. 8820011A-0015, dated March 25, 1988.



Base Map: USGS Topographic Map



GeoStrategies Inc.

VICINITY MAP  
 UNOCAL Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

PLATE

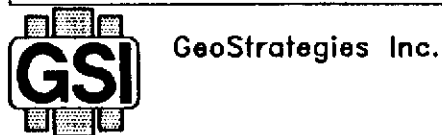
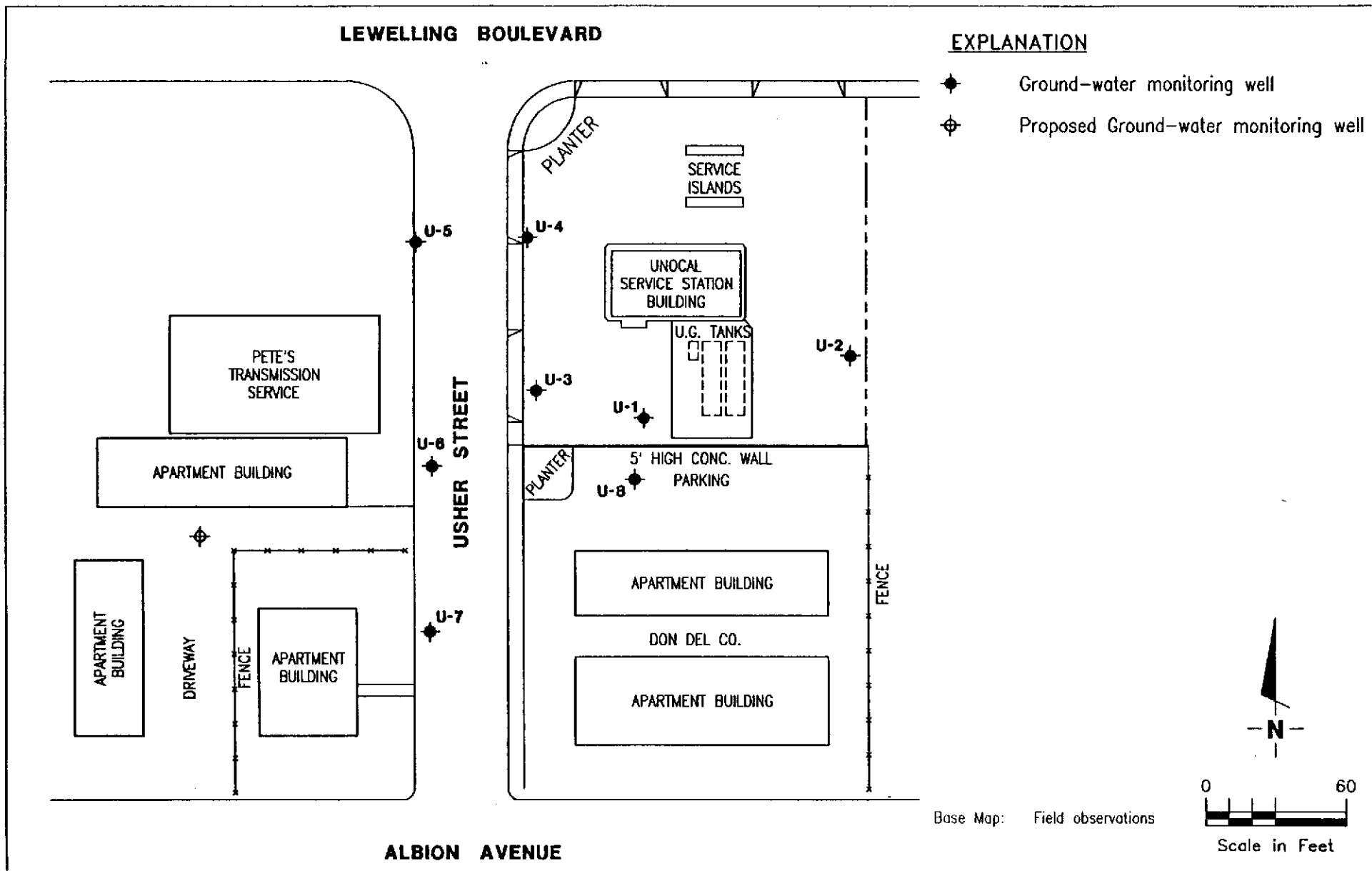
1

JOB NUMBER  
7809

REVIEWED BY  
*MA*

DATE  
2/91

REVISED DATE



JOB NUMBER  
780905-11

REVIEWED BY  
*TPL*

**EXTENDED SITE PLAN**  
UNOCAL Service Station #5760  
376 Lewelling Boulevard  
San Lorenzo, California

DATE  
8/92

REVISED DATE

PLATE

**2**

**GeoStrategies Inc.**

**APPENDIX A  
FIELD METHODS AND PROCEDURES**



**FIELD METHODS AND PROCEDURES**

EXPLORATION DRILLING

Mobilization

Prior to any drilling activities, GSI will verify that necessary drilling permits have been secured.

Utility locations will be located and drilling will be conducted so as not to disrupt activities at a project site. GSI will obtain and review available public data on subsurface geology and if warranted, the location of wells within a half-mile of the project site will be identified. Drillers will be notified in advance so that drilling equipment can be inspected prior to performing work.

Drilling

The subsurface investigations are typically performed to assess the lateral and vertical extent of petroleum hydrocarbons present in soils and ground water. Drilling methods will be selected to optimize field data requirements as well as be compatible with known or suspected subsurface geologic conditions.

Monitoring wells are installed using a truck-mounted hollow-stem auger drill rig or mud-rotary drill rig. Typically, the hollow-stem rig is used for wells up to 100 feet, if subsurface conditions are favorable. Wells greater than 100-feet deep are typically drilled using mud-rotary techniques. When mud rotary drilling is used, an electric log will be performed for additional lithological information. Also during mud rotary drilling, precautions will be taken to prevent mud from circulating contaminants by using a conductor casing to seal off contaminated zones. Samples will be collected for lithologic logging by continuous chip, and where needed by drive sample or core as specified by the supervising geologist.

Soil Sampling

Shallow soil borings will be drilled using a truck-mounted hollow-stem auger drilling rig, unless site conditions favor a different drilling method. Drilling and sampling methods will be consistent with ASTM Method D-1452-80. The auger size will be a minimum 6-inch nominal outside-diameter (O.D). No drilling fluids will be used during this drilling method. The augers and other tools used in the bore hole will be steam cleaned before use and between borings to minimize the possibilities of cross-contamination between borings.

Soil samples are typically collected at 5-foot intervals as a minimum from ground surface to total depth of boring. Additional soil samples will be collected based on significant lithologic changes and/or potential chemical content. Soil samples from each sampling interval will be lithologically described by a GSI geologist (Figure 1). Soil colors will be described using the Munsell Color Chart. Rock units will be logged using appropriate lithologic terms, and colors described by the G.S.A. Rock Color Chart.

Head-space analyses will be performed to check for the evidence of volatile organic compounds. Head-space analyses will be performed using an organic vapor analyzer; either an OVA, HNU, or OVM. Organic vapor concentrations will be recorded on the GSI field log of boring (Figure 1). The selection of soil samples for chemical analysis are typically based on the following criteria:

- 1) Soil discoloration
- 2) Soil odors
- 3) Visual confirmation of chemical in soil
- 4) Depth with respect to underground tanks (or existing grade)
- 5) Depth with respect to ground water
- 6) OVA reading

Soil samples (full brass liners) selected for chemical analysis are immediately covered with aluminum foil and the liner ends are capped to prevent volatilization. The samples are labeled and entered onto a Chain-of-Custody form, and placed in a cooler on blue ice for transport to a State-certified analytical laboratory.

Soil cuttings are stockpiled on-site. Soils are sampled and analyzed for site-specific chemical parameters. Disposition of soils is dependent of chemical analytical results of the samples.

Soil Sampling - cont.

Soil borings not converted to monitoring wells will be backfilled (sealed) to ground surface using either a neat cement or cement-bentonite grout mixture. Backfilling will be tremied by continuously pumping grout from the bottom to the top of the boring where depth exceeds 20' or as required by local permit requirements.

All field and office work, including exploratory boring logs, are prepared under the direction of a registered geologist.

Monitoring Well Installation

Monitoring well casing and screen will be constructed of Schedule 40, flush-joint threaded polyvinylchloride (PVC). The well screen will be factory mill-slotted unless additional open area is required (eg. conversion to an extraction well in a low-yield aquifer). The screen length will be placed adjacent to the aquifer material to a minimum of 2-feet above encountered water. No screen shall be placed in a borehole that potentially creates hydraulic interconnection of two or more aquifer units. Screen slot size and well sand pack will be compatible with encountered aquifer materials, as confirmed by sieve analysis.

Monitoring wells will be completed below grade (Figure 2) unless special conditions exist that require above-grade completion design. In the event a monitoring well is required in an aquifer unit beneath an existing aquifer, the upper aquifer will be sealed off by installing a steel conductor casing with an annular neat cement or cement-bentonite grout seal. This seal will be continuously tremied pumped from the bottom of the annulus to ground surface.

The monitoring well sand pack will be placed adjacent to the entire screened interval and will extend a recommended minimum distance of 2-feet above the top of the screen. No sand pack will be placed that interconnects two or more aquifer units. A minimum 2-foot bentonite pellet or bentonite slurry seal will be placed above the sand pack. Sand pack, bentonite, and cement seal levels will be confirmed by sounding the annulus with a calibrated weighted tape. The remaining annular space above the bentonite seal will be grouted with a bentonite-cement mixture and will be tremie-pumped from the bottom of the annular space to the ground surface. The bentonite content of the grout will not exceed 5 percent by weight. A field log of boring and a field well completion form will be prepared by GSI for each well installed.

Decontamination of drilling equipment before drilling and between wells will consist of steam cleaning, and/or Alconox wash.

Well Development

All newly installed wells will be properly developed within 48 hours of completion. No well will be developed until the well seal has set a minimum of 12 hours. Development procedures will include one or more of the methods described below:

Bailing

Bailing will be used to remove suspended sediments and drilling fluids from the well, where applicable. The bailer will be raised and lowered through the column of water in the well so as to create a gentle surging action in the screened interval. This technique may be used in conjunction with other techniques, such as pumping, and may be used alone if the well is of low yield.

Pumping

Pumping will be used in conjunction with bailing or surging. The pump will be operated in such a manner as to gently surge the entire screened interval of the well. This may involve operating the pump with a packer type mechanism attached and slowly raising and lowering the pump, or by cycling the pump off and on to allow water to move in and out of the screened interval. Care will be used not to overpump a well.

Surging

Surging will be performed on wells that are screened in known or suspected high yield formations and/or on larger diameter (recovery) wells. A surge block will be raised and lowered through the entire screened interval, forcing water in and out of the well screen and sand pack. Pumping or air lifting will be used in conjunction with this method of development to remove any sediment brought into the well during surging.

Air Lifting

Air lifting will be used to remove sediment from wells as an alternative to pumping under certain conditions. When appropriate, a surge block designed for use with air lifting will be used to agitate the entire screened interval and water will be lifted out of the well using forced air. When air lifting is performed, the air source will be either nitrogen or filtered air and the procedure will be performed gently to prevent any damage to the well screen or casing and to insure that discharged water is contained.

Well Development - cont.

All well developing equipment will be thoroughly decontaminated prior to development using a steam cleaner and/or Alconox detergent wash and clean water rinse. During development procedures, field parameters (temperature, specific conductance and pH) will be monitored and recorded on well development forms (Figure 3). Equilibration requirements consist of a minimum of three readings with the following accuracy standards:

pH	± 0.1 pH units
Specific Conductance	± 10% of full scale reading
Temperature	± 0.5 degrees Celsius

The wells will be developed until water is visibly clear and free of sediment, and well purging parameters stabilized. A minimum of 8 to 10 well volumes will be purged from each well, if feasible. If well purging parameters have not stabilized before 10 casing volumes have been removed, well development will continue until purging parameters have stabilized and formation water is being drawn into the well. The adequacy of well development will be judged by the field technician performing the well development and based on known formation conditions.

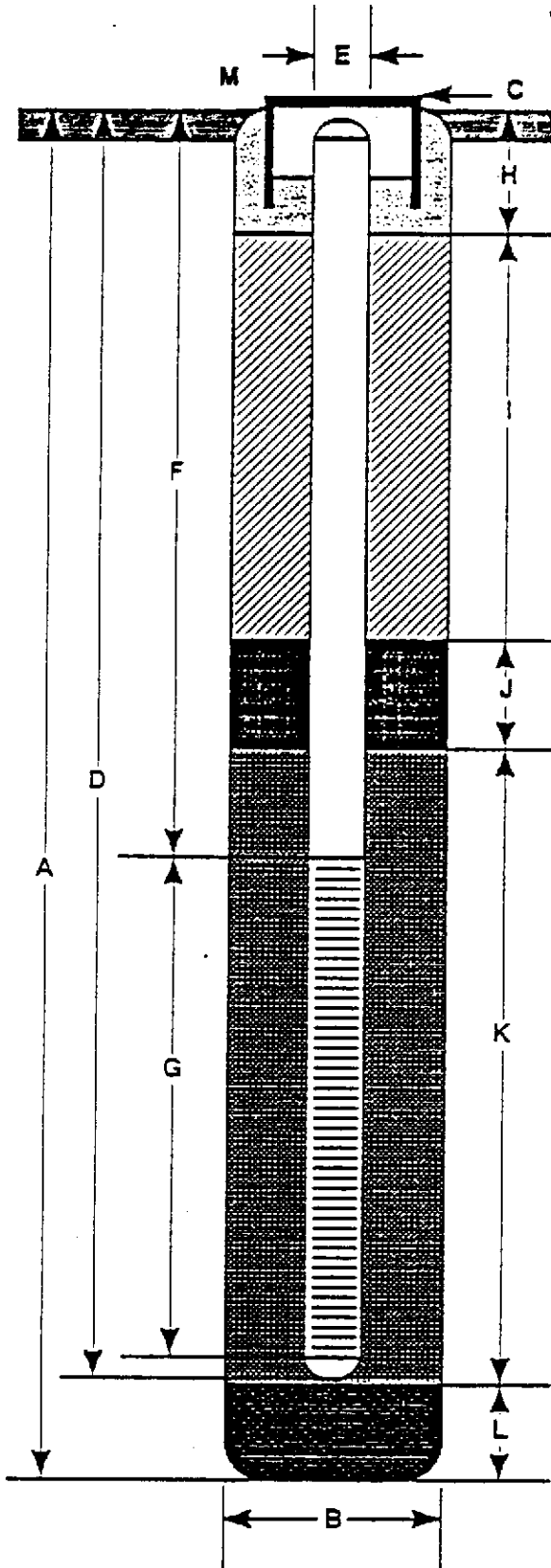
Well Surveying

Monitoring wells will be surveyed to obtain top of box elevations to the nearest ±0.01 foot. Water level measurements will be recorded to the nearest ±0.01 foot and referenced to mean sea level (MSL). If additional wells are required, then existing and newly installed wells are surveyed relative to MSL.



# WELL CONSTRUCTION DETAIL

FIGURE 2



- A Total Depth of Boring \_\_\_\_\_ ft.
- B Diameter of Boring \_\_\_\_\_ in.  
Drilling Method \_\_\_\_\_
- C Top of Box Elevation \_\_\_\_\_ ft.  
 Referenced to Mean Sea Level  
 Referenced to Project Datum
- D Casing Length \_\_\_\_\_ ft.  
Material \_\_\_\_\_
- E Casing Diameter \_\_\_\_\_ in.
- F Depth to Top Perforations \_\_\_\_\_ ft.
- G Perforated Length \_\_\_\_\_ ft.  
Perforated Interval from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Perforation Type \_\_\_\_\_  
Perforation Size \_\_\_\_\_ in.
- H Surface Seal from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Seal Material \_\_\_\_\_
- I Backfill from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Backfill Material \_\_\_\_\_
- J Seal from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Seal Material \_\_\_\_\_
- K Gravel Pack from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Pack Material \_\_\_\_\_
- L Bottom Seal \_\_\_\_\_ ft.  
Seal Material \_\_\_\_\_
- M \_\_\_\_\_  
\_\_\_\_\_

Note: Depths measured from initial ground surface



GeoStrategies Inc.

Well Construction Detail

WELL NO.

JOB NUMBER

REVIEWED BY RG/CEG

DATE

REVISED DATE

REVISED DATE

WELL DEVELOPMENT FORM

FIGURE 3

Page \_\_\_\_\_ of \_\_\_\_\_

(to be filled out in office)

Client \_\_\_\_\_ SS# \_\_\_\_\_ Job# \_\_\_\_\_

Name \_\_\_\_\_ Location \_\_\_\_\_

Well# \_\_\_\_\_ Screened Interval \_\_\_\_\_ Depth \_\_\_\_\_

Aquifer Material \_\_\_\_\_ Installation Date \_\_\_\_\_

Drilling Method \_\_\_\_\_ Borehole Diameter \_\_\_\_\_

Comments regarding well installation: \_\_\_\_\_

(to be filled out in the field) Name \_\_\_\_\_

Date \_\_\_\_\_ Development Method \_\_\_\_\_

Total Depth \_\_\_\_\_ - Depth to liquid \_\_\_\_\_ = Water Column \_\_\_\_\_

Product thickness \_\_\_\_\_

Water Column x Diameter (in.) x #Vol x 0.0408 = \_\_\_\_\_ gals

Purge Start \_\_\_\_\_ Stop \_\_\_\_\_ Rate \_\_\_\_\_ gpm

Gallons	Time	Clarity	Temp.	pH	Conductivity
0	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Total gallons removed \_\_\_\_\_ Development stop time \_\_\_\_\_

Depth to liquid \_\_\_\_\_ at \_\_\_\_\_ (time)

Odor of water \_\_\_\_\_ Water discharged to \_\_\_\_\_

Comments \_\_\_\_\_



Unocal Real Estate Division  
Unocal Corporation  
1201 West 5th Street, P. O. Box 7600  
Los Angeles, California 90001  
Telephone (213) 977-6596

**UNOCAL** 

FILE #	5760	SS	X	BP
RPT		QM		TRANSMITTAL
1	2	3	4	5
				X

October 29, 1992

Mr. David J. Reimer  
41 Kensington Ct.  
Kensington, Ca. 94707

RE: Access Permission  
Lot southwest of  
Unocal Service Station #5760  
376 Lewelling Blvd.  
San Lorenzo, Ca.

Dear Mr. Reimer:

As part of Unocal's continuing environmental commitment and to comply with existing laws and regulations, we will be assessing the soil and ground water beneath our property referenced above. We plan to assess the soil and ground water on adjoining property as well.

As you are an adjacent property owner, we are requesting your permission to come on your property which is southwest of the subject service station, to install a ground water monitoring well and periodically collect water samples from the well.

I have enclosed:

1. A Site Vicinity Map that shows the location on your property where the proposed well would be installed.
2. Two original License Agreements executed by Unocal that would allow Unocal employees, representatives and contractors to enter on your property to install the well. This Agreement also indemnifies the property owner.

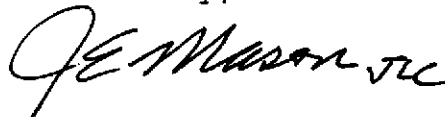
Please sign and date one of the Agreements and return it to me in the enclosed envelope by November 19, 1992. The remaining Agreement is for your file.

Mr. Reimer  
October 29, 1992  
Page 2

Be assured that once testing is completed, we will return your property to its original condition. If you have any questions about the work we plan or the Agreement, please call me at 213/977-5930.

Thank you in advance for your prompt attention to this matter.

Sincerely,

A handwritten signature in cursive script, appearing to read "J. E. Mason JLC".

J. E. Mason  
Manager Sales and Administration

JEM/JLC

Enclosures



San Ramon, California  
October 14, 1992

TO: J. L. CIERLEY

FROM: JANE LARIS

A handwritten signature in cursive script, appearing to read "Jane Laris", written over the printed name.

**OFF-SITE ACCESS REQUEST  
UNOCAL SERVICE STATION #5760  
376 LEWELLING BLVD.  
SAN LORENZO, CALIFORNIA**

Your assistance is requested in obtaining off-site access to property in the vicinity of service station #5760 in San Lorenzo, California to install one monitoring well. The access agreement should be for a minimum of one year and should be structured so that extensions to the agreement can be easily obtained.

All pertinent information required for the access agreement is attached, including the name and address of the property owner, site vicinity map, and Assessor's parcel map.

Please forward the signed access agreement to the consultant upon receipt. Also, please send a copy to me for my file.

Consultant: GeoStrategies Inc.  
2140 West Winton Avenue  
Hayward, California 94545  
Attn: Dave J. Vossler

Thank you for your prompt handling.

Attachments

JAL/access

cc: Penny Silzer  
Dave J. Vossler - GeoStrategies, Inc.  
Project File #5760



**GeoStrategies Inc.**

2140 WEST WINTON AVENUE  
HAYWARD, CALIFORNIA 94545

(510) 352-4800

October 7, 1992

UNOCAL Corporation  
P.O. Box 5155  
San Ramon, California 94583

Attn: Ms. Penny Silzer

Re: Access Agreement Request  
Albion Apartments  
439-467 Albion Avenue  
San Lorenzo, California

Ms. Silzer:

GSI requests assistance in obtaining access to the above property. Access is requested for the installation of one additional monitoring well downgradient of the UNOCAL service station No. 5760 located at 376 Lewelling Blvd., San Lorenzo, California. Please find below the required information.

Property Owner: Mr. David J. Reimer  
41 Kensington Ct.  
Kensington, CA. 94707

Phone number: (510) 528-7812

Property location: Albion Apartments  
439-467 Albion Avenue  
San Lorenzo, California

Parcel # 413-97-12

If you should have any questions or comments, please call.

Very truly yours,

A handwritten signature in cursive script that reads 'David J. Vossler'.

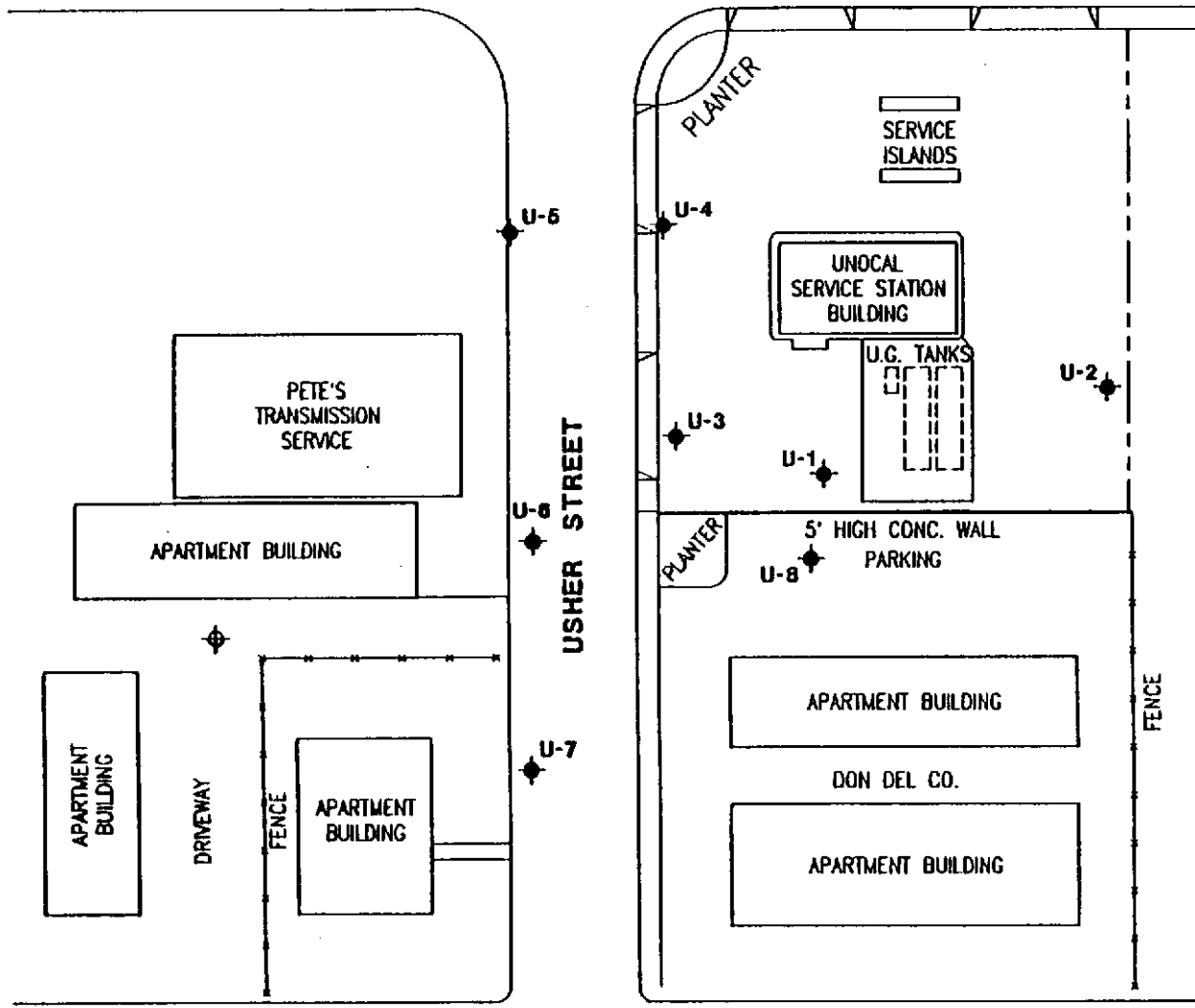
David J. Vossler  
Senior Geologist

Enclosures: Site Map  
Parcel Map

LEWELLING BOULEVARD

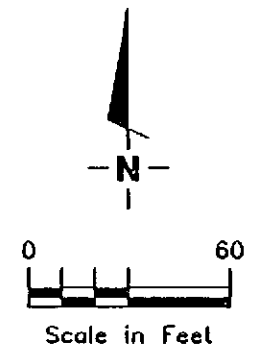
EXPLANATION

- ◆ Ground-water monitoring well
- ⊕ Proposed Ground-water monitoring well



ALBION AVENUE

Base Map: Field observations



GeoStrategies Inc.

EXTENDED SITE PLAN  
 UNOCAL Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

PLATE

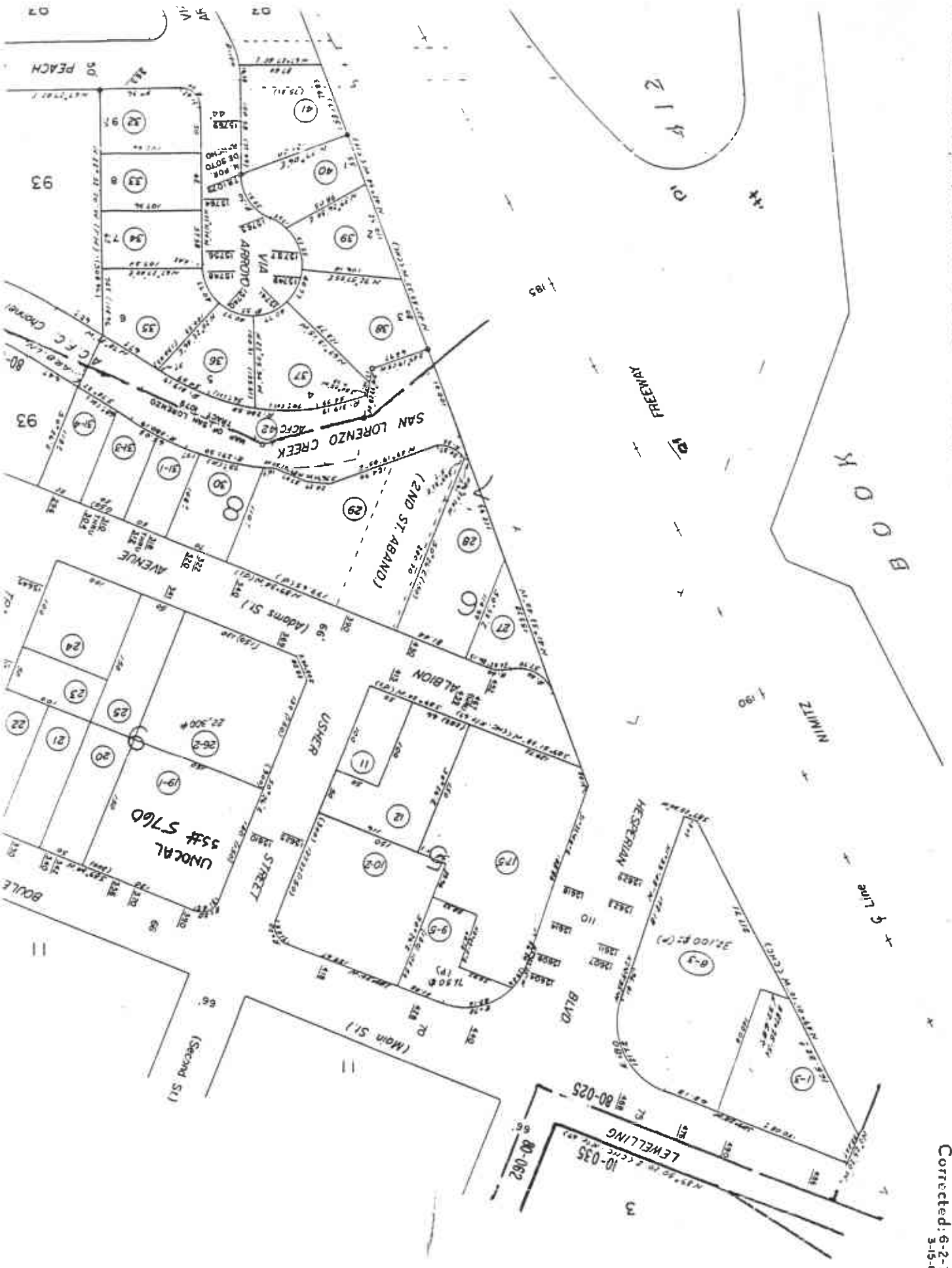
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JOB NUMBER  
780905-11

REVIEWED BY  
TPL

DATE  
8/92

REVISED DATE



ASSESSOR'S MAP 413

Rancho San Leandro (J. J. Estudillo) (BK "A" Pats Pg 116)  
Northern Portion De Solo Rancho (BK "W" Ds. Pg 768)  
Map of San Lorenzo (BK 6 Pg 3)  
Tract 1079 (BK 31 Pg 35)

Scale: 1" = 100'

CLAYTON COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



FILE # \_\_\_\_\_  
RPT. \_\_\_\_\_ QM \_\_\_\_\_ TRANSMITTED \_\_\_\_\_  
1 \_\_\_\_\_ 2 \_\_\_\_\_ 3  4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_

RAFAT A. SHANID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES  
State Water Resources Control Board  
Division of Clean Water Assessment  
UST Local Oversight Program  
30 Swan Way, Room 100  
Oakland, CA 94612  
510/271-3000

September 11, 1992

Ms. Penny Silzer  
UNOCAL Corporation  
P.O. Box 5155  
San Ramon, CA 94583

STID 1746

RE: UNOCAL Station #5760, 376 Lewelling Blvd., San Lorenzo,  
California

Dear Ms. Silzer,

This office received the work plan, dated September 1, 1992, and the additional information that we requested of you in a letter dated July 1, 1992.

The work plan meets with the approval of this office. Please be aware that after the installation of the monitoring well, you are required to survey the well to an accuracy of 0.01 foot to an established benchmark.


Field work should commence within 60 days of the receipt of this letter. Please be reminded that a report documenting the results from work performed is due to this office within 45 days of completion of field activities. Quarterly monitoring and reporting is to be continued for all the monitoring wells.

In the most recently submitted work plan, you requested an extension on the due date for a portion of the required investigations in order to conduct file searches on adjacent properties. This office will grant you the extension on the following conditions: 1) Immediately following these file searches, you prepare and submit a work plan addressing the containment and remediation of the ground water contaminant plume and the delineation and remediation of the contaminated soil at the site; and 2) You submit a timetable of scheduled work events, such as file searches, to this office **within 30 days** of the receipt of this letter.

Ms. Penny Silzer  
Re: 376 Lewelling Blvd.  
September 11, 1992  
Page 2 of 2

If you have any questions or comments, please contact me at (510)  
271-4530.

Sincerely,

  
Juliet Shin  
Hazardous Materials Specialist

cc: Richard Hiett, RWQCB

Jim Ferdinand, Eden Consolidated Fire Dept.

David J. Vossler  
GeoStrategies Inc.  
2140 West Winton Ave.  
Hayward, CA 94545

Edgar Howell-File (JS)

SS



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



State Water Resources Control Board  
Division of Clean Water Program  
UST Local Oversight Program

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Division  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(510) 271-4320

RECEIVED

July 1, 1992

Penny Silzer  
UNOCAL Corporation  
P.O. Box 5155  
San Ramon, CA 94583

FILE #	5760	SS	X	BP		
RPT.	QM	TRANSMITTAL				
1	2	3	X	4	5	6

STID 1746

RE: UNOCAL Station #5760, 376 Lewelling Blvd., San Lorenzo, California

Dear Ms. Silzer,

This office has received and reviewed the Quarterly Monitoring Report, dated May 19, 1992, and the Well Installation Report, dated June 15, 1992 for the above site. Floating product and elevated concentrations of TPHg and BTEX have consistently been identified in Wells U-1 and U-3, and most recently Well U-6, at the site. Although a product skimmer is currently being applied to Well U-1, additional measures need to be taken to contain the ground water contaminant plume from migrating further off site.

Additionally, this office has reason to believe that contaminated soil still exists at the site. During the installation of Well U-3, in August 1990, a soil sample collected from 20 feet below ground surface exhibited 640 ppm TPHg. Although this office does not currently have information regarding the soil sampling at the time of the underground storage tank (UST) replacements, it was mentioned in several reports submitted to this office that there was observed soil contamination in the tank pit. Please submit to this office any information on the UST replacements and sampling conducted in 1987. Also, please submit the results for soil samples collected during the installation of Well U-1.

You are required to submit a work plan to this office **within 45 days** of the receipt of this letter, addressing your proposals for further delineation, containment, and remediation of the ground water contaminant plume resulting from your site. These proposals must adhere to the Regional Water Quality Control Board's (RWQCB) Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, the State Water Board's LUFT manual, and be consistent with requirements set forth in Article 11 of Title 23, California Code of Regulations. A report documenting the results from work performed is due to this office within 45 days of completion of

Penny Silzer

Re: 376 Lewelling lvd.

July 1, 1992

Page 2 of 2

field activities. Copies of all plans and proposals should be sent to this office. Alameda County must approve these plans before they can be implemented.

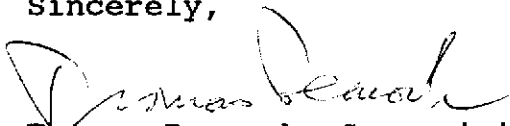
Please be advised that this is a formal request for technical reports pursuant to **California Water Code Section 13267 (b)**. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or RWQCB.

This office has enclosed an Unauthorized Leak/Release form. Please complete this form and submit it to this office within 15 days of the receipt of this letter.

Please be aware that you must continue to prepare quarterly groundwater monitoring reports and submit them to this office.

If you have any questions or comments, please contact Juliet Shin at (510) 271-4320.

Sincerely,



Thomas Peacock, Supervising HMS  
Hazardous Materials Division

cc: Richard Hiett, RWQCB

Jim Ferdinand, Eden Consolidated Fire Dept.


David J. Vossler  
GeoStrategies Inc.  
2140 West Winton Ave.  
Hayward, CA 94545

Memorandum

**UNOCAL** 

November 25, 1992

To: P. L. Silzer

From: J. L. Cierley 

**LICENSE AGREEMENT**

David J. Reimer  
Lot southwest of  
Service Station #5760  
San Lorenzo, Ca.

Mr. Reimer has requested the following information prior to agreeing to sign a License Agreement allowing access to his property to install one ground-water monitoring well:

1. Is the proposed location of the well flexible?
2. How often will samples be taken from the well?
3. He would like to talk to a property owner in the vicinity of his property or residence where a well has been installed.
4. He would like to talk to the appropriate government agency on whose right-of-way wells are installed in the vicinity of his property.

Please provide this information to N. P. Mead for her response to Mr. Reimer and copy me. Mr. Reimer's tel. no. is 510/528-7812.

Also please provide Natalie and me with a copy of the site plan.

cc: N. P. Mead w/previous corresp.  
J. Laris  
130-L  
Offsite Access File