

R 0 228

# C A M B R I A

November 9, 2005

Mr. Jerry Wickham  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Re: **Monitoring Well Destruction Report**  
Shell-branded Service Station  
630 High Street  
Oakland, California  
SAP Code 135693  
Incident No. 98995751  
ACHCSA # 13-5693

Alameda County  
NOV 14 2005  
Environmental Health



Dear Mr. Wickham:

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the destruction of four on site groundwater monitoring wells (MW-2, MW-8, MW-9 and MW-10) at the above referenced site. The well destructions were performed in accordance with Alameda County Health Care Services Agency's (ACHCSA) approval letter dated August 1, 2005 in response to Cambria's *Groundwater Monitoring Report – Second Quarter 2005 and Well Destruction Request*, dated July 14, 2005. The wells were destroyed in accordance with San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) and ACHCSA guidelines for monitoring well abandonment.


## SITE DESCRIPTION

The site is an active Shell-branded service station is located on the western corner of the intersection of High Street and Jensen Street in Oakland, California, adjacent to Interstate Highway 880 (Figures 1 and 2). The site is surrounded primarily by commercial and industrial development.

**Cambria  
Environmental  
Technology, Inc.**

270 Perkins Street  
Sonoma, CA 95476  
Tel (707) 935-4850  
Fax (707) 935-6649

## WELL DESTRUCTION ACTIVITIES



Cambria obtained well destruction permits W2005-0841, 0842, 0843, and 0844 from Alameda County Public Works Agency (ACPWA) prior to the well destruction activities (Appendix A). The four wells were destroyed on October 6, 2005 by Gregg Drilling and Testing, Inc. of Martinez, California, under the observation of Cambria field staff. Wells MW-2, MW-8, MW-9, and MW-10 were destroyed by pressure grouting, with approval from ACHCSA and ACPWA. The well casings were filled with cement grout, pressure seals were placed on top of the well casings and additional cement grout was pumped under pressure into the well casings so as to force the grout through the well screens out into the filter pack material at approximately 25 pounds per square inch for 15 minutes. Once the wells were completely grouted, the well vaults were removed and destroyed and concrete was placed in the cavity to bring the surface to grade to match the existing site conditions.

The Department of Water Resources Well Completion Logs compliance reporting requirements have been completed and are included without the attachments in Appendix B.

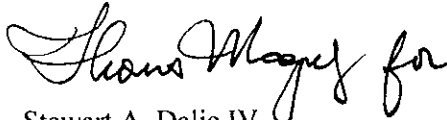
No soil cuttings were generated during the field activities.

# C A M B R I A

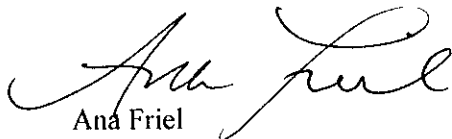
## CLOSING

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 268-3812.

Sincerely,  
**Cambria Environmental Technology, Inc.**



Stewart A. Dalie IV  
Senior Staff Scientist



Ana Friel  
Senior Project Geologist  
PG 6452

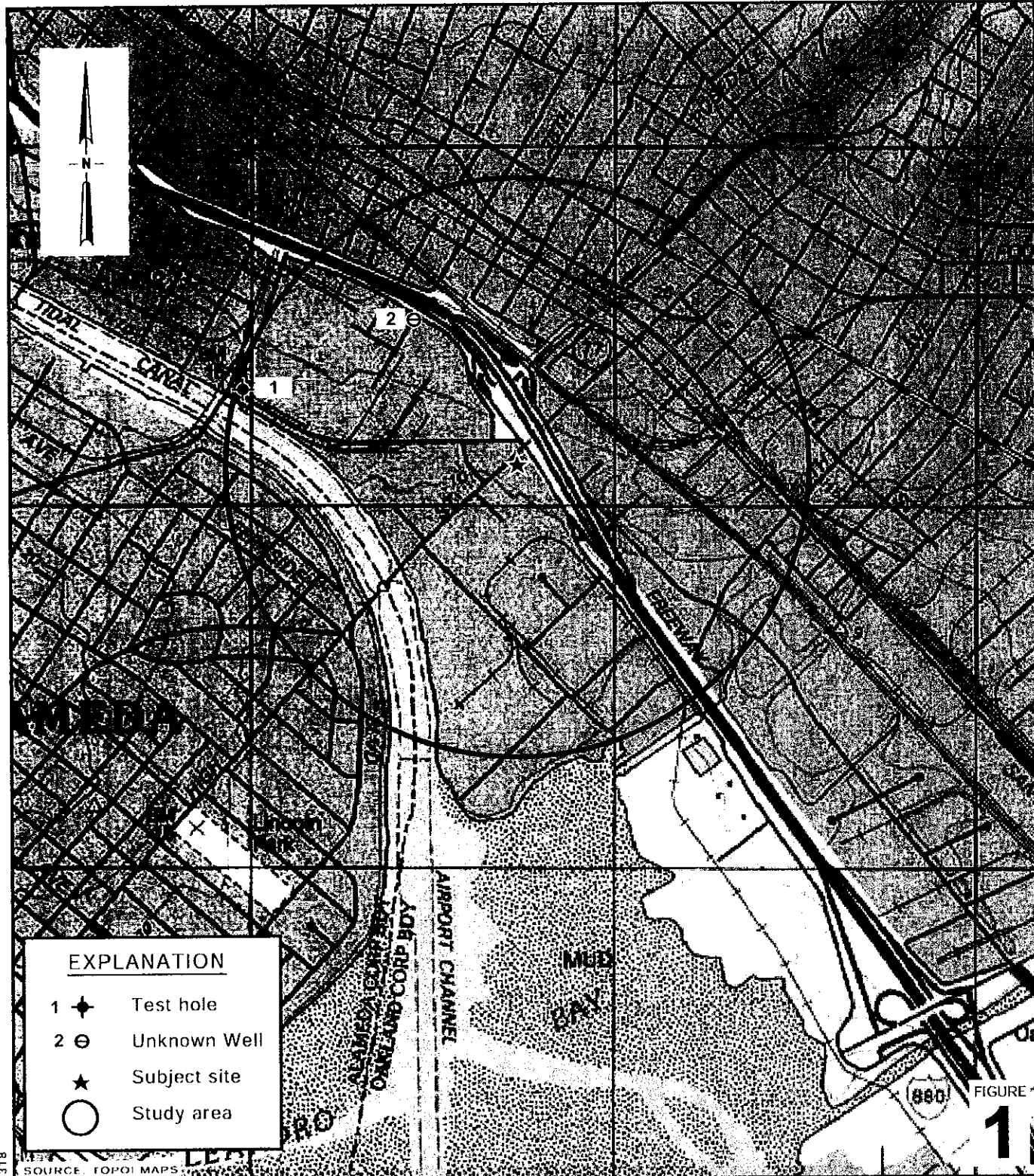


### Attachments:

Figure 1. Vicinity/Area Well Survey Map  
Figure 2. Site Plan

Appendix A. Well Destruction Permits  
Appendix B. Department of Water Resources Well Completion Reports (without attachments)

cc: Mr. Denis Brown, Shell



0318

**EXPLANATION**

- 1 ◆ Test hole
- 2 ⊕ Unknown Well
- ★ Subject site
- Study area

0 1/8 1/4 1/2 1  
 SCALE (MILES)

**Shell-branded Service Station**

630 High Street  
Oakland, California



C A M B R I A

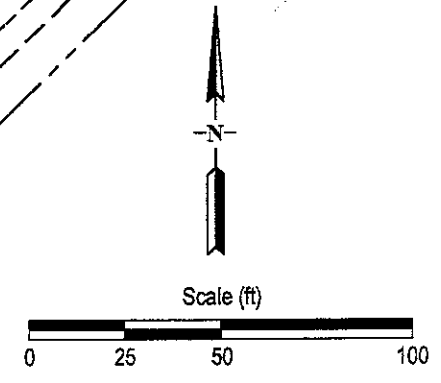
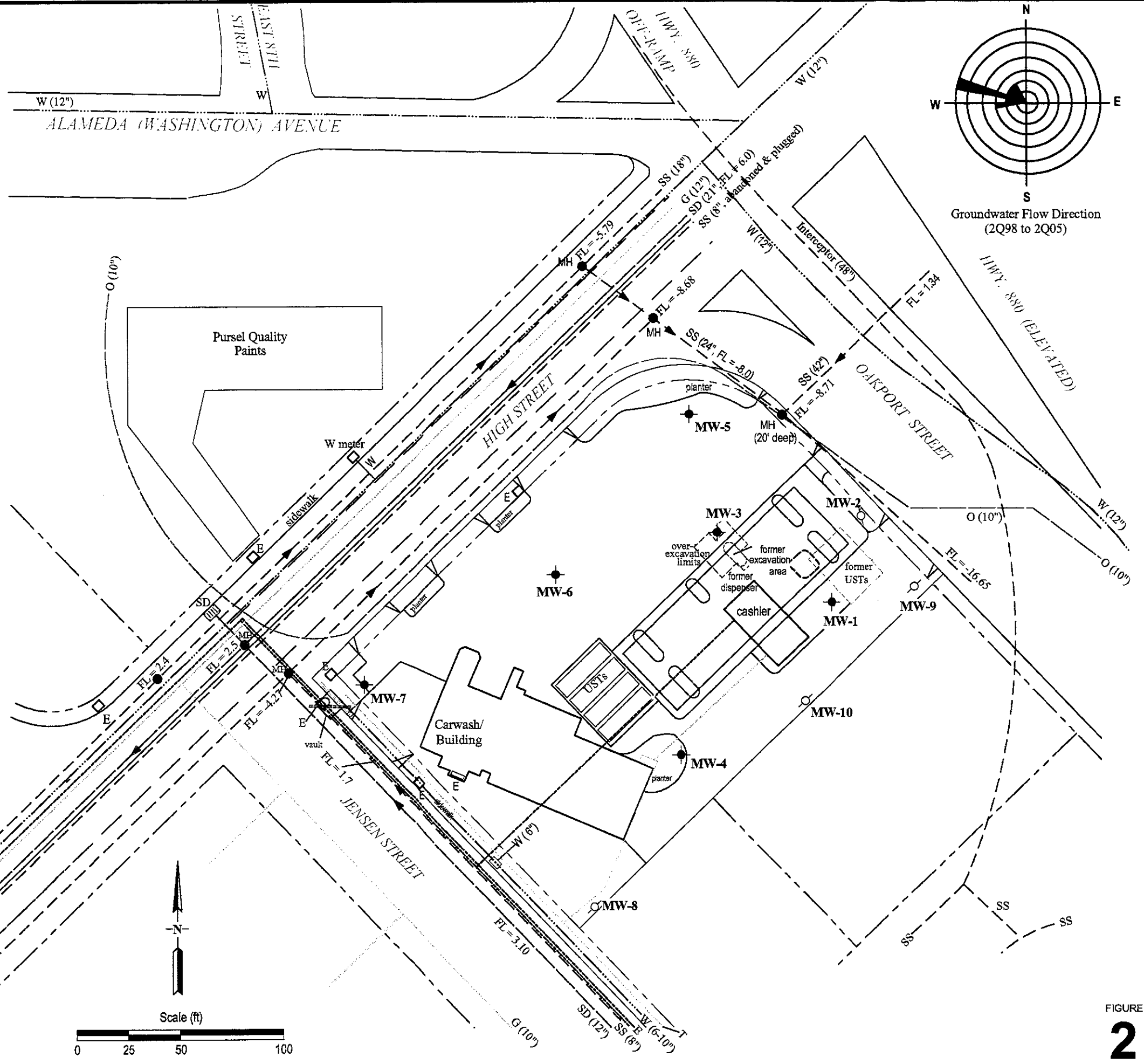
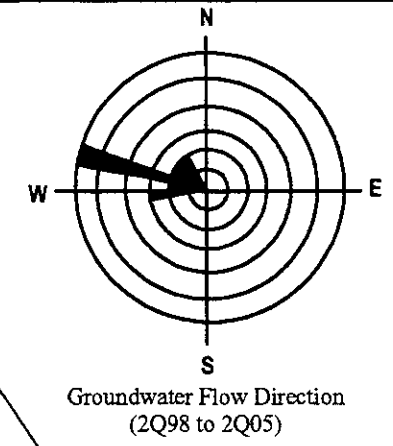
**Vicinity/Area Well  
Survey Map**

(1/2-Mile Radius)

FIGURE  
**1**

**EXPLANATION**

- ◆ Monitoring Well Location
- ⊗ Destroyed Well
- Electrical line (E)
- - - Storm drain line (SD)
- · - · - Sanitary sewer line (SS)
- Water line (W)
- · - · - Gas line (G)
- · - · - Communications line (T)
- · - · - Shell oil pipeline (O)
- City of Oakland Electrical vault (E)
- Water vault (W)
- City of Oakland Manhole (MH)
- Utility Pole
- ▣ Storm Drain inlet (SD)
- ▶ Flow direction
- FL Flow line elevation, in feet above mean sea level



**Shell-branded Service Station**  
 630 High Street  
 Oakland, California

FIGURE  
**2**

**Appendix A**  
**Well Destruction Permits**

# Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street  
Hayward, CA 94544-1395  
Telephone: (510)670-6633 Fax:(510)782-1939

**Application Approved on:** 08/29/2005 **By Jamesy**  
**Permits Issued:** W2005-0841 to W2005-0844

**Receipt Number:** WR2005-2078  
**Permits Valid from:** 10/06/2005 to 10/06/2005

**Application Id:** 1125093547096  
**Site Location:** 630 High St, Oakland, CA 94601  
**Project Start Date:** 10/06/2005

**City of Project Site:** Oakland  
**Completion Date:** 10/06/2005

**Applicant:** CAMBRIA ENVIRONMENTAL - Stewart Dalie IV  
5900 Holis St #4, Emeryville, CA 94608

**Phone:** 520-420-3339

**Property Owner:** Shell Oil Products Co c/o Dennis Brown  
20945 Wilmington, Carson, CA 90801

**Phone:** 707-805-0251

**Client:** \*\* same as Property Owner \*\*

	<b>Total Due:</b>	\$1200.00
	<b>Total Amount Paid:</b>	\$1200.00
<b>Paid By:</b> CHECK		<b>PAID IN FULL</b>

**Works Requesting Permits:**

Well Destruction-Monitoring - 4 Wells

Driller: Gregg Drilling & Testing Inc - Lic #: 485165 - Method: other

**Work Total: \$1200.00**

**Specifications**

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2005-0841	08/29/2005	01/04/2006	MW10	10.00 in.	4.00 in.	7.00 ft	20.00 ft			
W2005-0842	08/29/2005	01/04/2006	MW2	10.00 in.	4.00 in.	7.00 ft	20.00 ft			
W2005-0843	08/29/2005	01/04/2006	MW8	10.00 in.	4.00 in.	7.00 ft	20.00 ft			
W2005-0844	08/29/2005	01/04/2006	MW9	10.00 in.	4.00 in.	7.00 ft	20.00 ft			

**Specific Work Permit Conditions**

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibilities to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact Johnson Tang for a inspection time at 510-670-6450 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

### **Permit Fees are exempt to State & Federal Projects**

Applicants shall submit a letter from the agency requesting the fee exemption.

### **Scheduling Work/Inspections:**

Alameda County Public Works Agency (ACPWA), Water Resources Section requires scheduling and inspection of permitted work. All drilling activities must be scheduled in advance. Availability of inspections will vary from week to week and will come on a first come, first served bases. To ensure inspection availability on your desired or driller scheduled date, the following procedures are required:

Please contact **George Bolton at 510-670-5594** to schedule the inspection date and time (You must have drilling permit approved prior to scheduling).

Schedule the work as far in advance as possible (at least 5 days in advance); and confirm the scheduled drilling date(s) at least 24 hours prior to drilling.

Once the work has been scheduled, an ACPWA Inspector will coordinate the inspection requirements as well as how the Inspector can be reached if they are not at the site when inspection is required. Expect for special circumstances given, all work will require the inspection to be conducted during the working hours of 8:30am to 2:30pm., Monday to Friday, excluding holidays.

### **Request for Permit Extension:**

Permits are only valid from the start date to the completion date as stated on the drilling permit application and Conditions of Approval. To request an extension of a drilling permit application, applicants must request in writing prior to the completion date as set forth in the Conditions of Approval of the drilling permit application. Please send fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. There are no additional fees for permit extensions or for re-scheduling inspection dates. You may not extend your drilling permit dates beyond 90 days from the approval date of the permit application. **NO refunds** shall be given back after 90 days and the permit shall be deemed voided.

### **Cancel a Drilling Permit:**

Applicants may cancel a drilling permit only in writing by mail, fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. If you do not cancel your drilling permit application before the drilling completion date or notify in writing within 90 days, Alameda County Public Works Agency, Water Resources Section may void the permit and No refunds may be given back.

### **Refunds/Service Charge:**

A service charge of \$25.00 dollars for the first check returned and \$35.00 dollars for each subsequent check returned.

Applicants who cancel a drilling permit application **before** we issue the approved permit(s), will receive a **FULL** refund (at any amount) and will be mailed back within two weeks.

Applicants who cancel a drilling permit application **after** a permit has been issued will then be charged a service fee of \$50.00 (fifty Dollars). To collect the remaining funds will be determined by the amount of the refund to be refunded (see process below).

Board of Supervisors Minute Order, File No. 9763, dated January 9, 1996, gives blanket authority to the Auditor-Controller to process claims, from all County departments for the refund of fees which do not exceed \$500 (Five Hundred Dollars)(with the exception of the County Clerk whose limit is \$1,500).

Refunds over the amounts must be authorized by the Board of Supervisors Minute Order, File No. 9763 require specific approval by the Board of Supervisors.

The forms to request for refunds under \$500.00 (Five Hundred Dollars) are available at this office or any County Offices.

If the amount is exceeded, a Board letter and Minute Order must accompany the claim. Applicant shall fill out the request form and the County Fiscal department will process the request.



## **Alameda County Public Works Agency - Water Resources Well Permit**

5. Permitte, permittee's, contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on-or off site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

6. Pressure Grout with Cement (Less than 30 ft in depth)

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# PROGRAMS AND SERVICES

## Well Standards Program

The Alameda County Public Works Agency, Water Resources is located at:

399 Elmhurst Street

Hayward, CA 94544

For Driving Directions or General Info, Please Contact 510-670-5480 or wells@acpwa.org

For Drilling Permit information and process contact James Yoo at

Phone: 510-670-6633

FAX: 510-782-1939

Email: Jamesy@acpwa.org

Alameda County Public Works is the administering agency of General Ordinance Code, Chapter 6.88 . The purpose of this chapter is to provide for the regulation of groundwater wells and exploratory holes as required by California Water Code. The provisions of these laws are administered and enforced by Alameda County Public Works Agency through its Well Standards Program.

**Drilling Permit Jurisdictions in Alameda County:** There are four jurisdictions in Alameda County.

Location:	Agency with Jurisdiction	Contact Number
Berkeley	City of Berkeley	Ph: 510-981-7460 Fax: 510-540-5672
Fremont, Newark, Union City	Alameda County Water District	Ph: 510-668-4460 Fax: 510-651-1760
Pleasanton, Dublin, Livermore, Sunol	Zone 7 Water Agency	Ph: 925-454-5000 Fax: 510-454-5728

The Alameda County Public Works Agency, Water Resources has the responsibility and authority to issue drilling permits and to enforce the County Water Well Ordinance 73-68. This jurisdiction covers the western Alameda County area of **Oakland, Alameda, Piedmont, Emeryville, Albany, San Leandro, San Lorenzo, Castro Valley, and Hayward** . The purpose of the drilling permits are to ensure that any new well or the destruction of wells, including geotechnical investigations and environmental sampling within the above jurisdiction and within Alameda County will not cause pollution or contamination of ground water or otherwise jeopardize the health, safety or welfare of the people of Alameda County.

**Permits** are required for all work pertaining to wells and exploratory holes at any depth within the jurisdiction of the Well Standards Program. A completed permit application (30 Kb)\* , along with a site map, should be submitted at least **ten (10) working days prior to the planned start of work**. Submittals should be sent to the address or fax number provided on the application form. When submitting an application via fax, please use a high resolution scan to retain legibility.

Complete Permit Application Check List (24 Kb)\*

### Fees

**Beginning April 11, 2005** , the following fees shall apply:

A permit to construct, rehabilitate, or destroy wells, including cathodic protection wells, but excluding dewatering wells, shall cost \$300.00 per well.

A permit to bore exploratory holes, including temporary test wells, shall cost \$200 per site. A site includes the project parcel as well as any adjoining parcels.

Please make checks payable to: **Treasurer, County of Alameda**

## **Enforcement**

**Penalty.** Any person who does any work for which a permit is required by this chapter and who fails to obtain a permit shall be guilty of a misdemeanor punishable by fine not exceeding Five Hundred Dollars (\$500.00) or by imprisonment not exceeding six months, or by both such fine and imprisonment, and such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any such violation is committed, continued, or permitted, and shall be subject to the same punishment as for the original offense. (Prior gen. code §3-160.6)

**Enforcement actions will be determined by this office on a case-by-case basis**

Drilling without a permit shall be the cost of the permit(s) and a fine of \$500.00 (Five Hundred Dollars).

**Well Completion Reports** (State DWR-188 forms) must be filed with the Well Standards Program within 60 days of completing work. Staff will review the report, assign a state well number, and then forward it to the California Department of Water Resources (DWR). Drillers should not send completed reports to DWR directly. Failure to file a Well Completion Report or deliberate falsification of the information is a misdemeanor; it is also grounds for disciplinary action by the Contractors' State License Board. Also note that filed Well Completion Reports are considered private record protected by state law and can only be released to the well owner or those specifically authorized by government agencies. Links to pertinent forms are provided below.

Well Completion Report Form\*

Well Owner's Request Form for Previously Filed Forms (41Kb)\*

Government Authorization Form for the Release of Forms (46 Kb)\*

Site Hazard Information Form (51 Kb)\*

\* Adobe PDF Reader is Required.



**EXPLANATION**

- Proposed Soil Boring
- Monitoring Well Location
- Electrical line (E)
- Storm drain line (SD)
- Sanitary sewer line (SS)
- Water line (W)
- Gas line (G)
- Communications line (T)
- Shell oil pipeline (O)
- City of Oakland Electrical vault (E)
- Water vault (W)
- City of Oakland Manhole (MH)
- Utility Pole
- Storm Drain inlet (SD)
- Flow direction
- FL** Flow line elevation, in feet above mean sea level

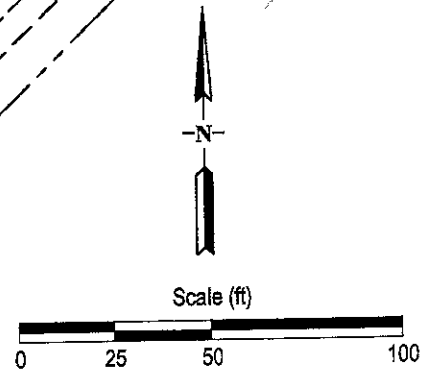
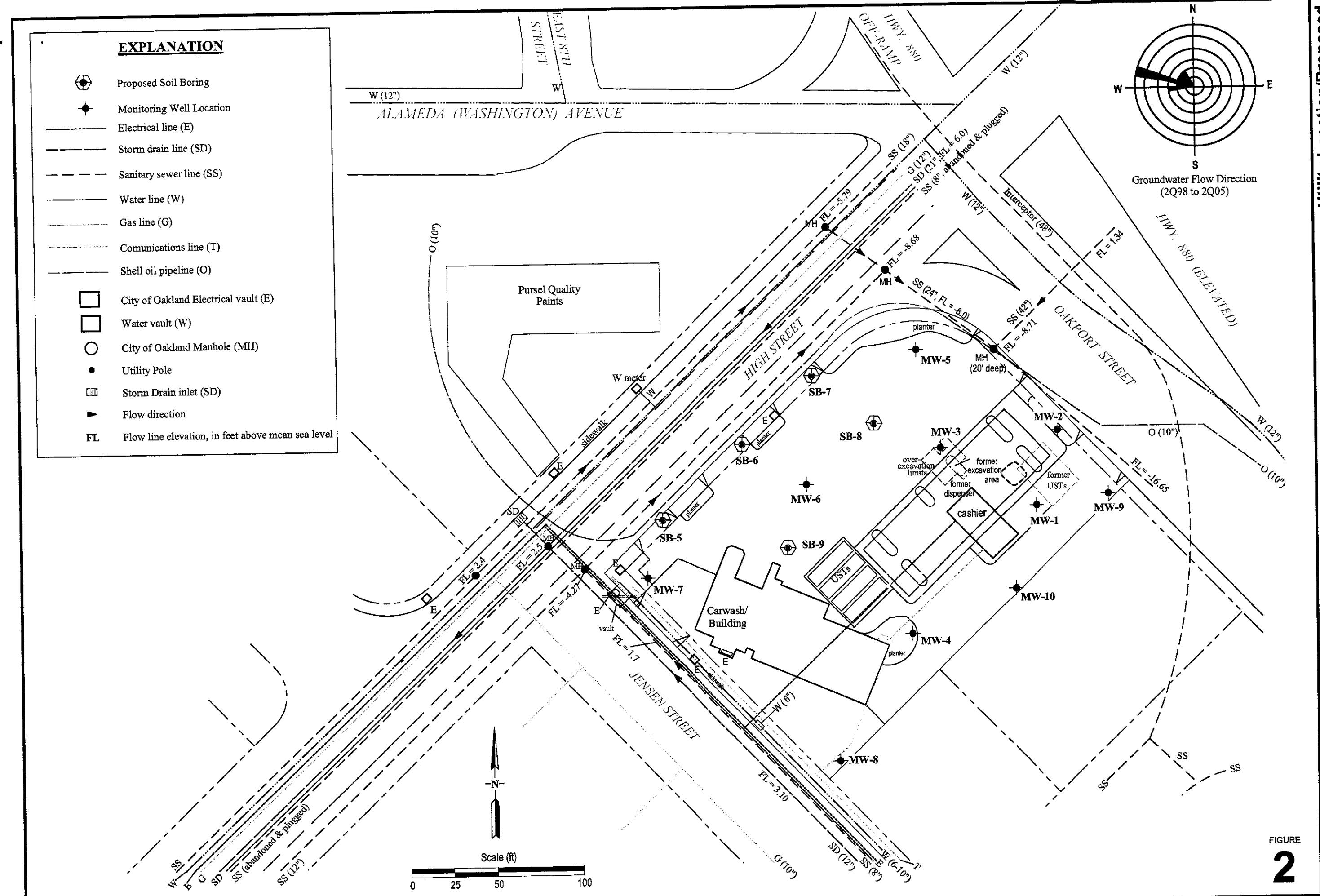
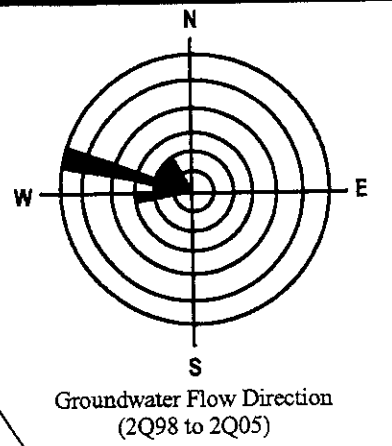


FIGURE 2

**Appendix B**

**Department of Water Resources Well Completion Reports (without  
attachments)**

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**