

RECEIVED

By dehloptoxic at 9:14 am, Oct 16, 2006

Chevron Environmental
Management Company
6001 Bollinger Canyon Rd, K2236
P.O. Box 6012
San Ramon, CA 94583-2324
Tel 925-842-9559
Fax 925-842-8370

Dana Thurman
Project Manager

ChevronTexaco

10/13/2006
(date)

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station # 9-2029

Address: 890 W. MacArthur Blvd Oakland, CA

I have reviewed the attached report titled Well Destruction Report
and dated October 13, 2006.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Cambria Environmental Technology, Inc., upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,



Dana Thurman
Project Manager

Enclosure: Report

October 13, 2006

Mr. Barney Chan
Alameda County Health Care Services Agency (ACHCS)
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502-6577

Re: **Well Destruction Report**
Chevron Service Station #9-2029
890 W. MacArthur Boulevard
Oakland, California



Dear Mr. Chan:

Cambria Environmental Technology, Inc. (Cambria) has prepared this well destruction report on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above (Figure 1). Cambria properly destroyed all site monitoring wells onsite to accommodate impending site development. The work was completed in accordance to Cambria's *Well Destruction and Installation Workplan* dated August 31, 2006 and approved by the ACHCS in a letter dated September 20, 2006 (Attachment A).

On September 25, 2006, Cambria Senior Staff Scientist Lelia Pascale observed Test America Drilling Corp. [d.b.a. West Hazmat Inc.] (C57# 819548) properly destroy wells MW-1 through MW-4. All wells were destroyed properly by pressure grouting per Alameda County Public Works Agency (ACPWA) standards. The wells were injected with Portland I/II cement and 25 pounds per square inch of pressure was applied for five minutes. The well boxes and upper portion of well casing were removed, and the remaining hole was backfilled with native material, which was compacted. After removing the well boxes the wells were topped with concrete or asphalt to match the existing grade.

The only wastes generated during well destruction activities were well boxes and casing which were taken by Test America Drilling Corp. and disposed of at their facilities.

Cambria's *Standard Operating Procedures for Monitoring Well Destructions* are presented as Attachment B. A copy of the well destruction permit from ACPWA is presented as Attachment C. Department of Water Resources (DWR) Well Completion/Destruction forms are confidential documents and are therefore not included in this report. These forms have been submitted to the DWR and ACPWA, and copies maintained in Cambria's files will be made available for agency review upon request.

**Cambria
Environmental
Technology, Inc.**

2000 Opportunity Drive
Suite 110
Roseville, CA 95678
Tel (916) 677-3407
Fax (916) 677-3687

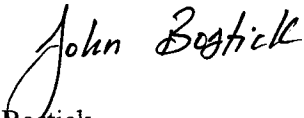
C A M B R I A

CLOSING

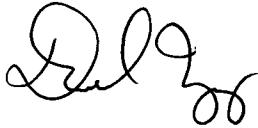
Please call John Bostick at (916) 677-3407 (ext. 107) if you have any questions or comments regarding this investigation.

Sincerely,

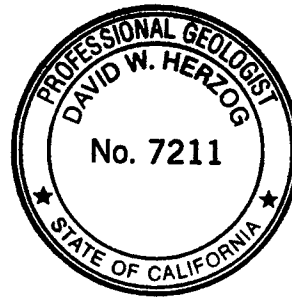
Cambria Environmental Technology, Inc.



John Bostick
Staff Scientist



David W. Herzog, P.G. #7211
Senior Project Geologist



Figures: 2 – Site Plan

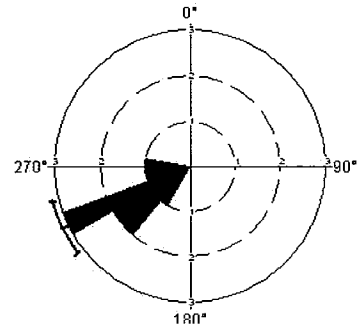
Attachments: A – Regulatory Correspondence
B – Standard Operating Procedures
C – Permit

cc: Mr. Dana Thurman, Chevron Environmental Management Company, P.O. Box
6012, K2236, San Ramon, CA 94583

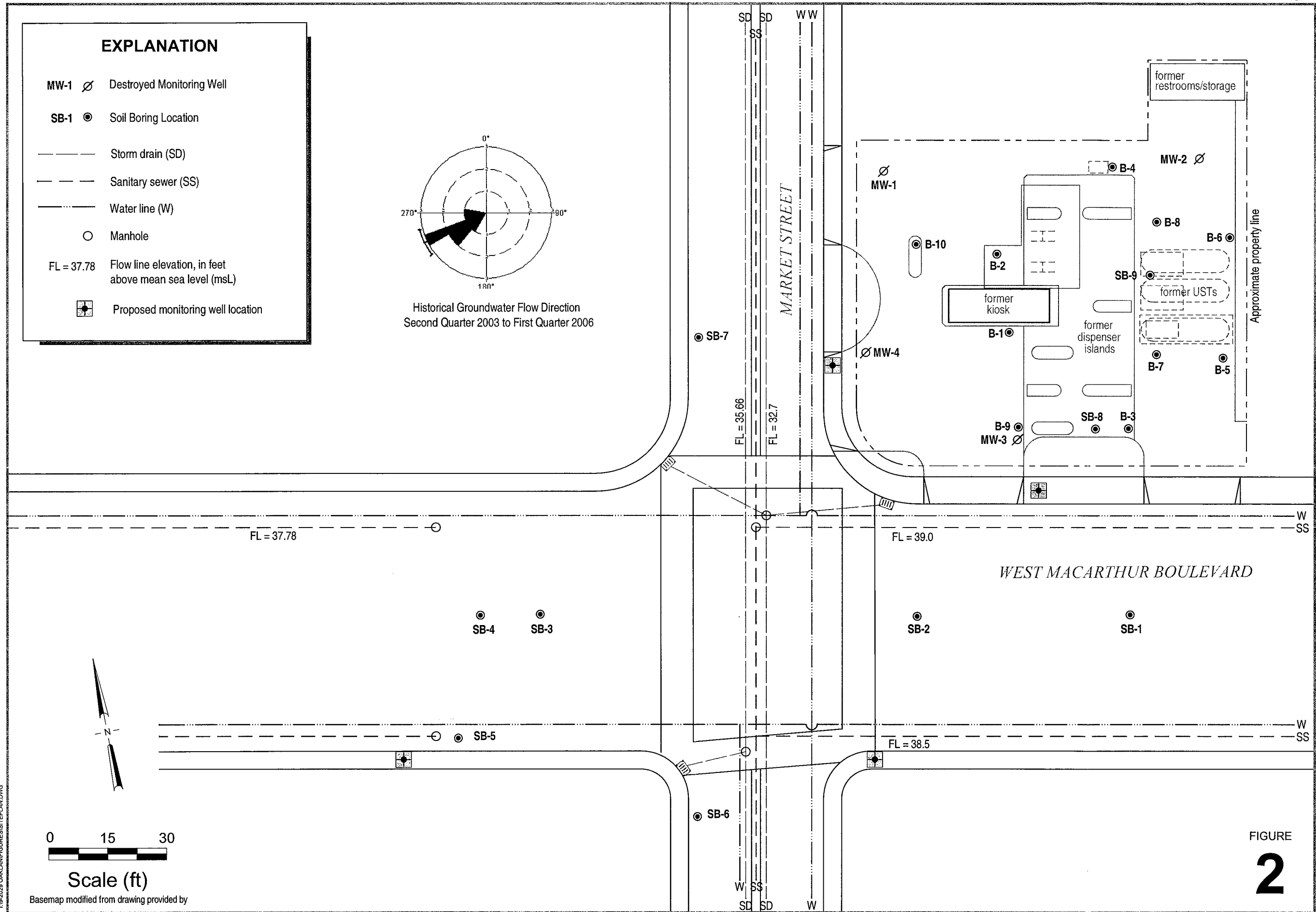
Cambria Environmental Technology, Inc. file copy

EXPLANATION

- MW-1 ∅ Destroyed Monitoring Well
- SB-1 ● Soil Boring Location
- Storm drain (SD)
- - - Sanitary sewer (SS)
- Water line (W)
- Manhole
- FL = 37.78 Flow line elevation, in feet above mean sea level (msl)
- ⊕ Proposed monitoring well location



Historical Groundwater Flow Direction
Second Quarter 2003 to First Quarter 2006



Scale (ft)

Basemap modified from drawing provided by

FIGURE

2

Site Plan
With Utilities



C A M B R I A

Former Chevron Station 9-2029
890 W. MacArthur Boulevard
Oakland, California

ATTACHMENT A
Regulatory Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

September 20, 2006

Mr. Daniel Thurman
Chevron Environmental Management Co.
6001 Bollinger Canyon Rd., K2236
P.O. Box 6012
San Ramon, CA 94583-2324

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

Alameda County
OCT 04 2006
Environmental Health

Dear Mr. Thurman:

Subject: Fuel Leak Case No. RO0002438, Chevron #9-2029, 890 West MacArthur Blvd., Oakland, CA 94608

Alameda County Environmental Health (ACEH) staff has received and reviewed the August 31, 2006 Well Destruction and Installation Workplan by Cambria. This work plan proposes the proper well decommissioning of monitoring wells MW-1 through MW-4 and the installation of four new wells along the sidewalks down-gradient of this site as indicated in Figure 2 within this report. We approve this work plan and request you observe the following technical comment when performing this work and submit the technical reports requested below.

TECHNICAL COMMENTS

1. Soil sampling- We request that you screen the borings for the proposed wells every 5' and analyze those samples which indicate contamination. At a minimum, the sample from the capillary fringe should be analyzed for the COCs.

TECHNICAL REPORT REQUEST

Please submit the following technical reports according to the following schedule:

- Well Decommission and Installation Report- 30 days after completion of field work.
- Groundwater Monitoring Report- 30 days after submission of Well Decommission and Installation Report and quarterly thereafter.

ELECTRONIC SUBMITTAL OF REPORTS

Effective January 31, 2006, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker

Mr. Dana Thurman
RO2438, 890 W. MacArthur Blvd.
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website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at barney.chan@acgov.org.

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

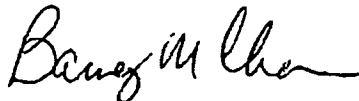
UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

Mr. Dana Thurman
RO2438, 890 W. MacArthur Blvd.
Page 3 of 3

If you have any questions, please call me at (510) 567-6765.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

C: files, D. Drogos

Mr. Stephen O'Kane, Westmac LLC, 1842 Twenty First Ave., SF, CA 94122

Mr. David Herzog, Cambria Environmental, 4111 Citrus Ave., Suite 9, Rocklin,
CA 95677

Mr. Jesse Kupers, OFD, 250 Frank Ogawa Plaza, Suite 3341, Oakland, CA 94612

9_20_06 890 WMacArthur

ATTACHMENT B

Standard Operating Procedures

CAMBRIA

STANDARD FIELD PROCEDURES FOR MONITORING WELL DESTRUCTION

This document presents standard field methods for destroying groundwater monitoring wells. The objective of well destruction is to destroy wells in a manner that is protective of potential water resources. The two procedures most commonly used are pressure grouting and drilling out the well. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Pressure Grouting

Pressure grouting consists of injecting neat Portland cement through a tremie pipe under pressure to the bottom of the well. The cement is composed of about five gallons of water to a 94 lb. sack of Portland I/II Cement. Once the well casing is full of grout, it remains pressurized for five minutes by applying a pressure of 25 pounds per square inch (psi) with a grout pump. The well casing can also be pressurized by extending the well casing to the appropriate height and filling it with grout. In either case, the additional pressure allows the grout to be forced into the sand pack. After grouting the sand pack and casing, the well vault is removed and the area resurfaced or backfilled as required.

Well Drill Out

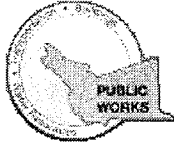
When well drill out is required, the well location is cleared for subsurface utilities and a hollow-stem auger drilling rig is used to drill out the well casing and filter pack materials. First, drill rods are placed down the well and used to guide the augers as they drill out the well. A guide auger is used in place of the drill rods if feasible. Once the well is drilled out, the boring is filled with Portland cement injected through the augers or a tremie pipe under pressure to the bottom of the boring. The well vault is removed and the area resurfaced or backfilled as required.

F:\TEMPLATE\SOPs\Well Destruction SOP.doc

ATTACHMENT C

Permit

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: 09/22/2006 By jamesy

**Permit Numbers: W2006-0829 to W2006-0832
Permits Valid from 09/25/2006 to 09/29/2006**

Application Id: 1158963020877
Site Location: 890 W MacArthur, Oakland, CA 94609
Project Start Date: 09/25/2006

City of Project Site: Oakland
Completion Date: 09/29/2006

Applicant: Cambria Environmental - John Bostick
2000 Opportunity Dr #110, Roseville, CA 95670
Property Owner: Chevron Environmental Management Company
6001 Bollinger Canyon Blvd. #2236, San Ramon, CA 94583
Client: ** same as Property Owner **

Phone: 916-677-3407
Phone: 925-842-9559

	Total Due:	\$1200.00
Receipt Number: WR2006-0439	Total Amount Paid:	\$1200.00
Payer Name : Cambria	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 4 Wells

Driller: Test Americal Drilling Corp. - Lic #: 819548 - Method: auger

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 #
W2006-0829	09/22/2006	12/24/2006	MW-1	8.00 in.	2.00 in.	8.00 ft	25.00 ft			
W2006-0830	09/22/2006	12/24/2006	MW-2	8.00 in.	2.00 in.	8.00 ft	25.00 ft			
W2006-0831	09/22/2006	12/24/2006	MW-3	8.00 in.	2.00 in.	8.00 ft	25.00 ft			
W2006-0832	09/22/2006	12/24/2006	MW-4	8.00 in.	2.00 in.	8.00 ft	25.00 ft			

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility 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. Sound the well to measure depth and to ensure no obstructions exist.

Excavate and remove existing casing 3 to 5 foot below ground surface (bgs), including vent cap and well or vault cover.

Grout neat cement with a tremie to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.

Alameda County Public Works Agency - Water Resources Well Permit

4. 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.
 5. 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 and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
 6. Applicant shall contact James Yoo for an inspection time at 510-670-6633 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.
 7. Permittee, 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 statutes 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.
 8. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.
 9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-