

Hultgren-Tillis Engineers

October 22, 2008
Project No. 694.01

Tulloch Construction
3428 Ettie Street
Oakland, California 94608-4091

Attention: Mr. Brian Tulloch

Well Decommission
3428 Ettie Street
Oakland, California

Dear Mr. Tulloch:

This letter presents our report for the decommissioning of a monitoring well located at 3428 Ettie Street in Oakland, California. Our scope of services was outlined in our proposal dated August 21, 2008. The well was decommissioned by RAM Geotechnical Drilling, License No. 626534. Prior to destroying the well, we obtained a Water Resources Well Permit (W2008-0717) from the Alameda County Public Works Agency (attached).

The monitoring well (MW-1; original permit number 92262) was located in the maintenance yard, approximately 12 feet to the southeast of the office building (Plate 1, Site Plan). The plastic pipe well casing was about 2 inches in diameter with a locking cap. A flush mounted metal well cover had been installed to protect the casing and control access.

Our engineer and Alameda County Health Inspector Vicky Hamlin were onsite to observe the well decommissioning process. Based on measurements at the time of decommissioning, the well casing extended about 33 feet below grade. The casing appeared to be free of obstructions. The casing was filled with neat cement grout using a tremie pipe to fill the well from the bottom up. The well cover was removed along with the upper 5 feet of casing. The remaining void was then filled with cement grout.

If you have any questions, please call.

Sincerely,

Hultgren-Tillis Engineers



Jerrold Hanson
Civil Engineer



KMM: JAH:RKT:la

Enclosures: Alameda County Public Works Agency Water Resources Well Permit
Plate 1, Site Map

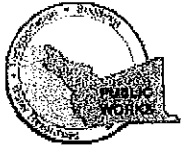
File No. 69401L01.doc

RECEIVED

1:15 pm, Dec 31, 2008

Alameda County
Environmental Health

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: 09/29/2008 By jamesy

**Permit Numbers: W2008-0717
Permits Valid from 10/15/2008 to 10/15/2008**

Application Id: 1222454935130
Site Location: 3428 Ettie Street
Project Start Date: 10/15/2008
Requested Inspection: 10/15/2008
Scheduled Inspection: 10/15/2008 at 10:30 AM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)

City of Project Site:Oakland
Completion Date:10/15/2008

Applicant: Hultgren Tillis Engineers - Jerrold Hanson
2221 Commerce Street, Suite A-1, Concord, CA 94520
Property Owner: Construction Tulloch
3428 Ettie Street, Oakland, CA 94608
Client: ** same as Property Owner **

Phone: 925-685-6300
Phone: 510-655-3400

Receipt Number: WR2008-0344	Total Due:	\$345.00
Payer Name : Jerrold A Hanson	Total Amount Paid:	<u>\$345.00</u>
	Paid By: VISA	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 1 Wells
Driller: Ram Enterprises - Lic #: 626534 - Method: tremi

Work Total: \$345.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2008-0717	09/29/2008	01/13/2009	MW-1	6.00 in.	2.00 in.	3.00 ft	35.00 ft	N/A	92262	Not Record

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. 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. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or 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.
4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
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

Alameda County Public Works Agency - Water Resources Well Permit

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 Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org 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.



3428 Ettie Street
Oakland, California

Site Plan

Hultgren – Tillis Engineers

Project No. 694.01

Plate No. 1