

CITY OF OAKLAND



DALZIEL BUILDING • 250 FRANK H. OGAWA PLAZA • SUITE 5301 • OAKLAND, CALIFORNIA 94612-2034

Public Works Agency
Environmental Services Division

FAX (510) 238-7286
TDD (510) 238-3254

RECEIVED

By Alameda County Environmental Health at 10:17 am, Sep 26, 2014

September 23, 2014

Mark Detterman
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6540

Subject: Monitoring Well Destruction Report, City of Oakland Corporation Yard, 5921 Shepherd Canyon Road, Oakland, California- Case File No. RO141

Dear Mr. Detterman:

Enclosed is the Monitoring Well Destruction Report as part of the case closure for the City of Oakland Corporation yard, 5921 Shepherd Canyon Road, Oakland, California, Case File No RO141 ("the Site").

I certify under penalty of law that this document and all attachments are prepared by Fugro Consultants under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or comments, please call Ms. Jeriann Alexander at (510) 267-4401 or me at (510) 238-6361.

Sincerely,

A handwritten signature in black ink that reads "Gopal Nair". The signature is written in a cursive, slightly slanted style.

Gopal Nair
Environmental Specialist

Enclosure



September 23, 2014
Project No. 04.72140052

Alameda County Environmental Health
1131 Harbor Bay parkway
Alameda, California 94502

Attention: Mr. Mark Detterman

Subject: Groundwater Monitoring Well Destruction Report, Oakland Corporate Yard No. 4,
5921 Shepherd Canyon Road, Oakland, California, Case File No. RO141, Geo
Tracker Global ID T0600100469

Dear Mr. Detterman:

On behalf of the City of Oakland (City), Fugro Consultants, Inc. (Fugro) presents this letter report to document the completion of well destruction activities located at Oakland Corporate Yard No. 4 (Site) located at 5921 Shepherd Canyon Road, Oakland, California (Plates 1 and 2). Well destruction was completed as a condition for regulatory case closure as described in the Alameda County Environmental Health (ACEH) letter dated June 16, 2014.

Prior to well destruction activities, Fugro obtained a permit (W2014-0799) from the Alameda County Public Works Agency (ACPWA) and retained Vapor Tech Services (VTS), a licensed drilling contractor (C-57# 916085) to complete the well destruction in accordance with ACPWA requirements. A copy of the ACPWA permit is presented in Appendix A.

Fugro completed the well destruction activities in coordination with and oversight from ACPWA. Well destruction was completed for the one existing monitoring well (MW-1) on September 2, 2014. Fugro contacted Mr. Steve Miller on August 29, 2014 of ACPWA and obtained verbal authorization to proceed with the well destruction if he was unable to keep his grout inspection appointment. Photographs taken to document the well destruction activities are presented in Appendix B. Well destruction activities consisted of the following:

- Removed the well box;
- Tremie grouted the well casing in-place using neat cement grout. Grout was carried to within 2 to 3 feet of the ground surface;
- Grout placed under 25 PSI or greater for a minimum of 5 minutes;
- Removed the upper 1 to 1.5 feet of well casing from the hole;
- Capped the top of the well with rapid set concrete to match existing grade;
- Investigative derived waste comprising well box, cement debris and well casing were removed from the Site by VTS; and





- Completed the Well Completion Report (DWR-188 Form) in accordance with proper state and county requirements (Appendix C). A copy of the Well Completion Report was transmitted to ACPWA, Water Resources Section on September 19, 2014 per the ACPWA permit requirements.

This report documents the well destruction completion activities as required for case closure stipulated in the ACEH letter dated June 16, 2014. On behalf of the City, Fugro respectfully requests that the ACEH issue a closure letter for this case.

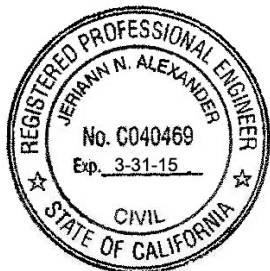
We trust this provides the information required at this time. Fugro will upload this letter report to ACEH ftp site (Attention: Mark Detterman) and to the State Water Resources Control Board's Geotracker website. Please call either of the undersigned if you have any questions or need additional information.

Sincerely,

FUGRO CONSULTANTS, INC.

A handwritten signature in black ink that reads "James Helge".

James Helge
Senior Environmental Scientist

A handwritten signature in black ink that reads "Jeriann Alexander".

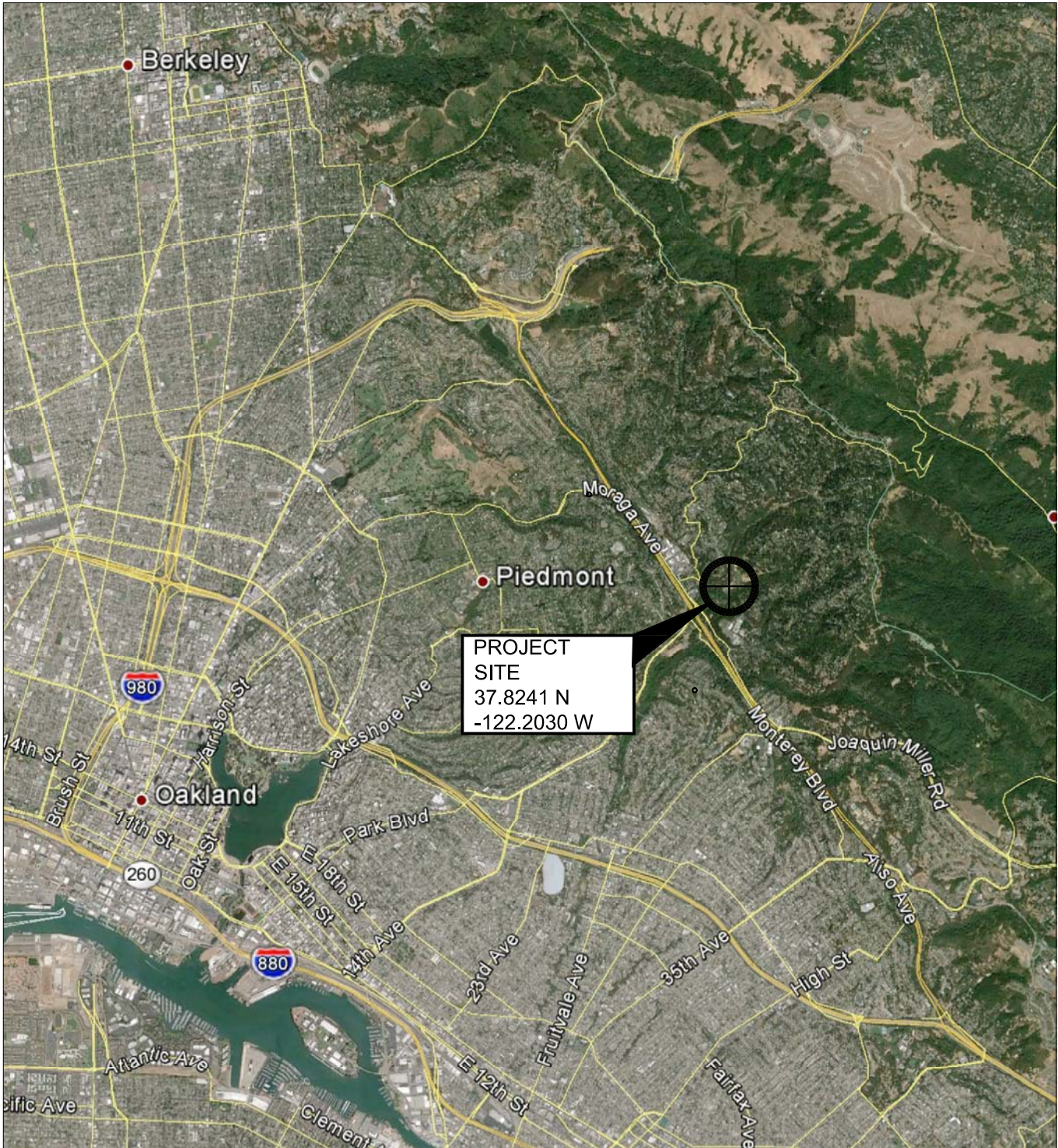
Jeriann Alexander, P.E., REPA
Manager, Environmental Services

JRH/JNA:jrh

Attachments: Plate 1 – Vicinity Map
Plate 2 – Site Map
Appendix A - ACPWA Permit No. W2014-0799
Appendix B - Site Photographs of Well Destruction
Appendix C – Well Completion Report (DWR 188 Form)

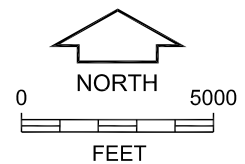
Copies Submitted: (1) Addressee
(1) Mr. Gopal Nair, City of Oakland

PLATES



PROJECT
SITE
37.8241 N
-122.2030 W

BASE MAP SOURCE: Google Earth Pro (2014), Aerial photograph.



VICINITY MAP
5921 Shepherd Canyon Road
Oakland, California

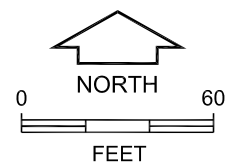
M:\Drafting\JOBFILES\2014\04.72140052\Drawings\A04.72140052-01 vicn.dwg 09-05-2014 - 12:03pm



BASE MAP SOURCE: Aerial photograph from Google Earth Pro 2010.

LEGEND

 **MW-1** Location of Monitoring Well

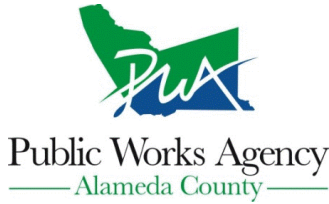


SITE PLAN
5921 Shepherd Canyon Road
Oakland, California

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APPENDIX A
ACPWA PERMIT NO. W2014-0799

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: 08/27/2014 By jamesy

Permit Numbers: W2014-0799
Permits Valid from 09/02/2014 to 09/02/2014

Application Id: 1409076346235
Site Location: 5921 Shepherd Canyon Road Oakland, CA

City of Project Site: Oakland

Project Start Date: 09/02/2014
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Completion Date: 09/02/2014

Applicant: Fugro Consultants - James Helge
2420 Del Paso Rd, Sacramento, CA 95834
Property Owner: City of Oakland
250 Frank Ogawa Plaza, Suite 5301, Oakland, CA 64612
Client: ** same as Property Owner **
Contact: Mike D'Anna

Phone: 916-773-2600 x123
Phone: 510-238-6361
Phone: 916-773-2600 x126
Cell: 510-610-5416

	Total Due:	\$397.00	
Receipt Number: WR2014-0358	Total Amount Paid:	\$397.00	
Payer Name : James R Helge	Paid By: MC	PAID IN FULL	

Works Requesting Permits:

Well Destruction-Monitoring - 1 Wells
Driller: Vapor Tech Services - Lic #: 916085 - Method: press

Work Total: \$397.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2014-0799	08/27/2014	12/01/2014	MW-1	8.00 in.	2.00 in.	12.00 ft	25.00 ft	No Records	No Records	No Records

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. Include permit number and site map.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

Alameda County Public Works Agency - Water Resources Well Permit

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 assigned inspector listed on the top of the permit 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.

APPENDIX B
SITE PHOTOGRAPHS OF WELL DESTRUCTION



View of the well box being removed.



View of grout being mixed.



View of tremie grout.



View of pressure gauge at start of pressure grout.



View of pressure gauge at end of pressure grout.



View of finished grade.

SITE PHOTOGRAPHS
5921 Shepherd Canyon Road
Oakland, California

APPENDIX C
WELL COMPLETION REPORT (DWR 188 FORM)

File Original with DWR

State of California Well Completion Report

Page 1 of 1

Owner's Well Number MW-1

Date Work Began 09/02/2014 Date Work Ended 9/2/2014

Local Permit Agency Alameda County Public Works Agency

Permit Number W2014-0799 Permit Date 8/27/14

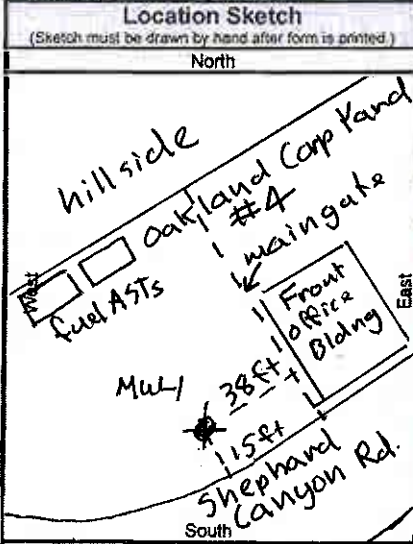
Refer to Instruction Pamphlet
No. **e0229245**

DWR Use Only - Do Not Fill In			
State Well Number/Site Number			
Latitude		Longitude	
APN/TRS/Other			

Geologic Log	
Orientation <input checked="" type="radio"/> Vertical <input type="radio"/> Horizontal <input type="radio"/> Angle Specify _____	
Drilling Method _____ Drilling Fluid _____	
Depth from Surface	Description
Feet to Feet	Describe material, grain size, color, etc.
	Well abandonment procedure is as follows: Well was abandoned via pressure grout. Cement grout was injected into the well to within 2-3 ft of the ground surface. 25 PSI or greater of compressed air was applied to the well and held for a minimum of 5 minutes. the upper 1 to 2 feet of well casing and the well box was removed using a jack hammer. The remaining hole was backfilled with Portland Cement Concrete and dyed black to match existing grade.
	<i>pressure grout used as Portland cement</i>

Well Owner	
Name <u>City of Oakland</u>	
Mailing Address <u>250 Frank Ogawa Plaza, Suite 5301</u>	
City <u>Oakland</u>	State <u>CA</u> Zip <u>94612</u>

Well Location	
Address <u>5921 Shepherd Canyon Road</u>	
City <u>Oakland</u>	County <u>Alameda</u>
Latitude <u>37</u> <u>49</u> <u>25</u> N Longitude <u>122</u> <u>12</u> <u>12</u> W	
Dec. Min. Sec.	Dec. Min. Sec.
Datum _____ Dec. Lat. <u>37.823854</u>	Dec. Long. <u>-122.203298</u>
APN Book _____ Page _____	Parcel _____
Township _____ Range _____	Section _____



Activity
<input type="radio"/> New Well <input type="radio"/> Modification/Repair <input type="radio"/> Deepen <input type="radio"/> Other <input checked="" type="radio"/> Destroy <small>Describe procedures and materials under "GEOLOGIC LOG"</small>

Planned Uses
<input type="radio"/> Water Supply <input type="checkbox"/> Domestic <input type="checkbox"/> Public <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="radio"/> Cathodic Protection <input type="radio"/> Dewatering <input type="radio"/> Heat Exchange <input type="radio"/> Injection <input type="radio"/> Monitoring <input type="radio"/> Remediation <input type="radio"/> Sparging <input type="radio"/> Test Well <input type="radio"/> Vapor Extraction <input type="radio"/> Other

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Total Depth of Boring	<u>25</u>	Feet
Total Depth of Completed Well	<u>25</u>	Feet

Water Level and Yield of Completed Well	
Depth to first water	<u>19</u> (Feet below surface)
Depth to Static	
Water Level	(Feet) Date Measured <u>09/02/2014</u>
Estimated Yield *	(GPM) Test Type _____
Test Length	(Hours) Total Drawdown _____ (Feet)
<small>*May not be representative of a well's long term yield.</small>	

Casings						
Depth from Surface	Borehole Diameter	Type	Material	Wall Thickness	Outside Diameter	Screen Type
Feet to Feet	(inches)			(inches)	(inches)	

Annular Material		
Depth from Surface	Fill	Description
Feet to Feet		

Attachments
<input type="checkbox"/> Geologic Log <input type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input checked="" type="checkbox"/> Other <u>Site Map</u>
<small>Attach additional information, if it exists.</small>

Certification Statement			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief			
Name <u>Glenn Reiss, Vapor Tech Services</u>			
<small>Person, Firm or Corporation</small>			
Address <u>2316 Tripaldi Way</u>		City <u>Hayward</u>	State <u>CA</u> Zip <u>94545</u>
Signed <u>Glenn Reiss</u>		City <u>Hayward</u>	State <u>CA</u> Zip <u>94545</u>
<small>C-57 Licensed Water Well Contractor</small>		Date Signed <u>9-2-14</u>	C-57 License Number <u>916085</u>