



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: April 25, 2011 REFERENCE NO.: 240503
PROJECT NAME: 6039 College Avenue, Oakland
TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED
11:37 am, Apr 28, 2011
Alameda County
Environmental Health

Please find enclosed: Draft Final
 Originals Other
 Prints
Sent via: Mail Same Day Courier
 Overnight Courier Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Well Destruction Report

As Requested For Review and Comment
 For Your Use

COMMENTS:
If you have any questions regarding the contents of this document, please call Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Russell J. Bruzzone, Inc., c/o Joan Bruzzone, 899 Hope Lane, Lafayette, CA 94549
Montrose Investment Co., Attn: Jim Graham, 242 Rivera Circle, Greenbrae Marina,
Larkspur, CA 94939
SF Data Room (electronic copy)

Completed by: Peter Schaefer Signed:

Filing: Correspondence File



Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Re: Shell-branded Service Station
6039 College Avenue
Oakland, California
SAP Code 135685
Incident No. 98995745
ACEH Case No. RO0000469

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

A handwritten signature in black ink, appearing to read "Denis L. Brown", is written below the word "Sincerely,".

Denis L. Brown
Senior Program Manager



WELL DESTRUCTION REPORT

SHELL-BRANDED SERVICE STATION
6039 COLLEGE AVENUE
OAKLAND, CALIFORNIA

SAP CODE 135685
INCIDENT NO. 98995745
AGENCY NO. RO0000469

APRIL 25, 2011

REF. NO. 240503 (12)

This report is printed on recycled paper.

**Prepared by:
Conestoga-Rovers
& Associates**

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent well destructions at the referenced site.

The well destructions are required for case closure per Alameda County Environmental Health's (ACEH's) January 21, 2011 letter. CRA followed the scope of work and procedures presented in our March 9, 2011 *Well Destruction Work Plan*.

2.0 WELL DESTRUCTION

2.1 FIELD DATE

March 8 to March 11, 2011.

2.2 PERSONNEL PRESENT

CRA field staff member Belew Yifru directed the well destruction under the supervision of California Professional Geologist Peter Schaefer.

2.3 DESTRUCTION METHOD

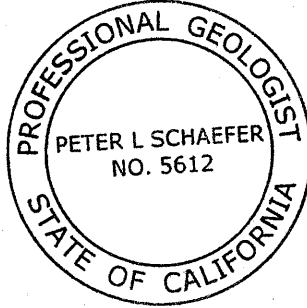
Seven monitoring wells (MW-1 through MW-7) were destroyed by pressure grouting and six soil vapor probes (SVP-1 through SVP-6) were destroyed by over-drilling using an air-/water-knife drill rig. A copy of the Alameda County Public Works Agency well destruction permit is included in Appendix A.

2.4 WASTE DISPOSAL

Water-knife sludge generated during the well destructions was stored on site in 55-gallon drums, tested, and profiled for disposal. Construction debris generated by the well destruction activities was transported by Vapor Tech Services of Berkeley, California to Commercial Waste and Recycling of Oakland, California for recycling. The disposal documentation is pending and will be provided upon request.

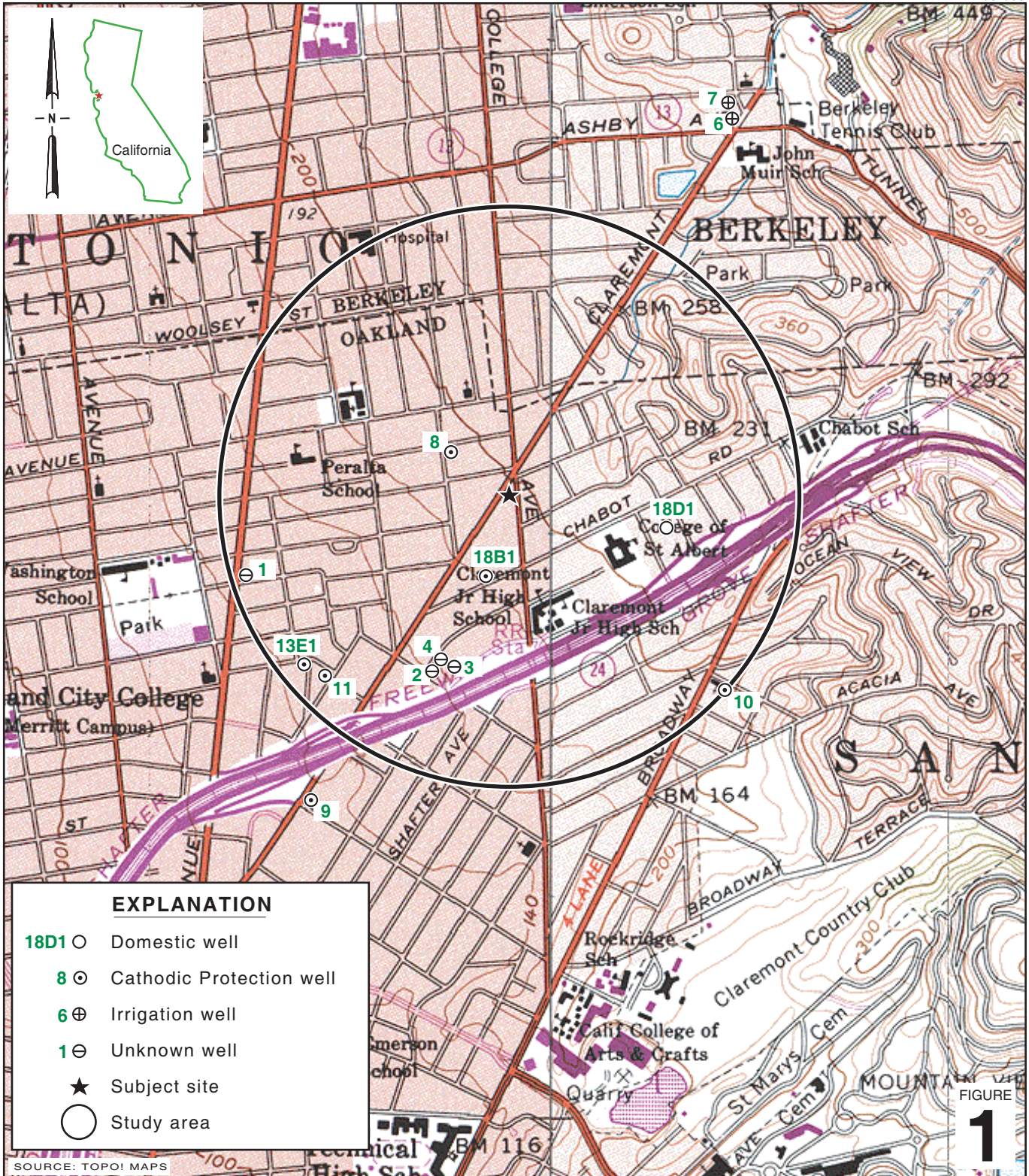
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer
Peter Schaefer, CEG, CHG



Eric A. Syrstad
Eric A. Syrstad, PG

FIGURES



I:\Shell\6-chars\2405--\240503-Oakland 6039 College\240503-FIGURES\240503 VICINITY.AI

EXPLANATION	
18D1 ○	Domestic well
8 ⊙	Catholic Protection well
6 ⊕	Irrigation well
1 ⊖	Unknown well
★	Subject site
○	Study area

SOURCE: TOPOI MAPS

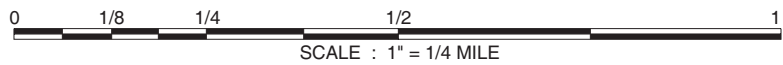


FIGURE 1

Shell-branded Service Station
 6039 College Avenue
 Oakland, California

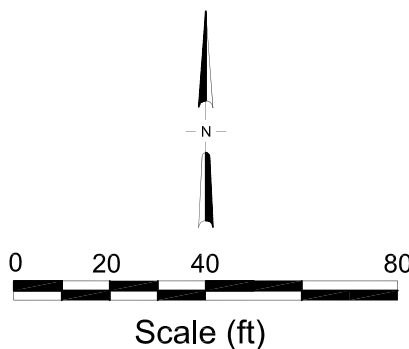
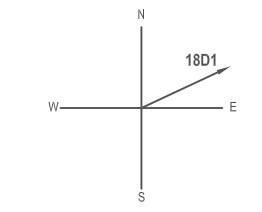
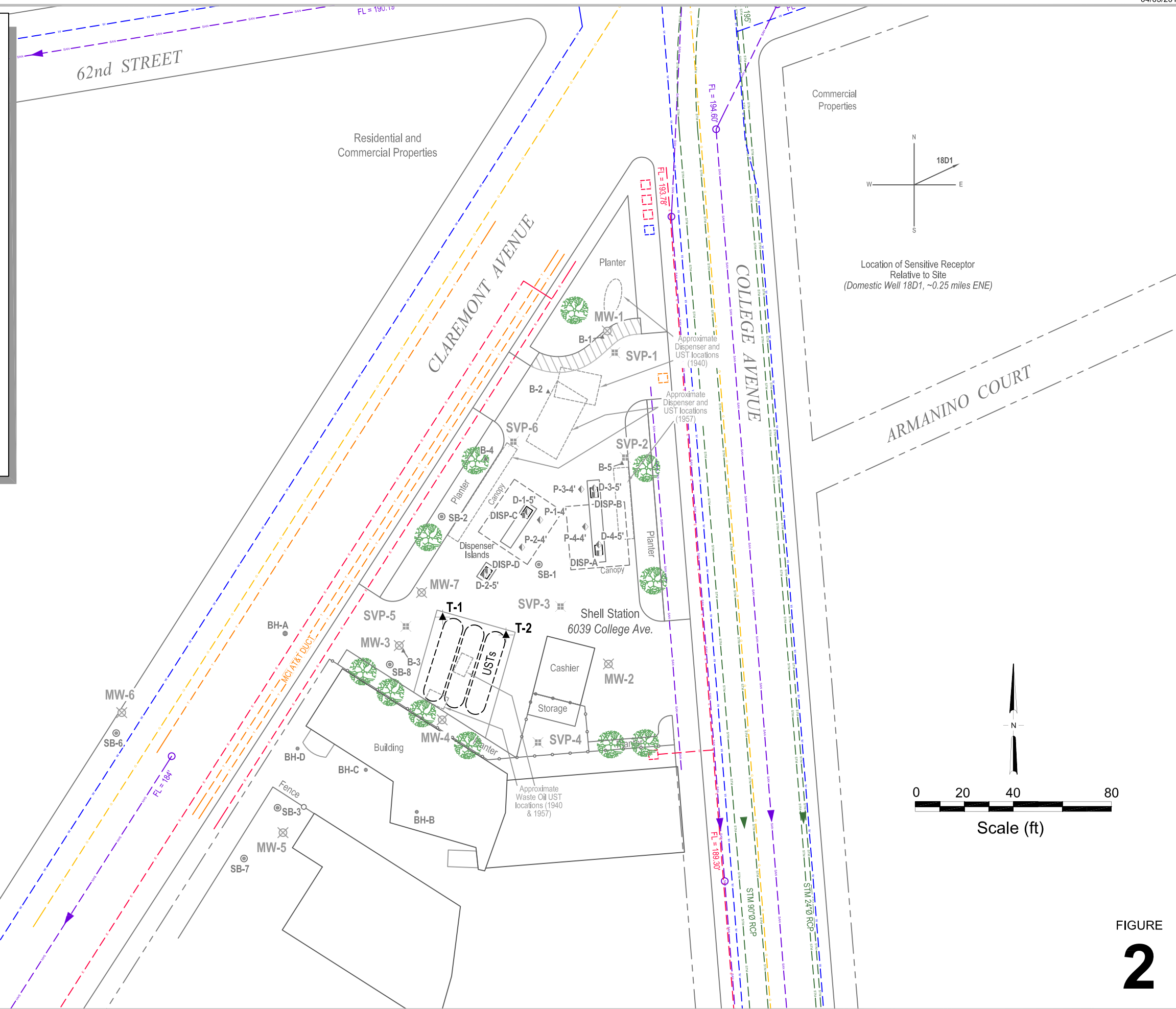


CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

EXPLANATION

- SVP-1 Destroyed soil vapor probe location
- MW-1 Destroyed monitoring well location
- T-1 Tank backfill well location
- Electrical line (E)
- Telecommunication line (T)
- Gas line (G)
- Storm drain line (STM)
- Sanitary sewer line (SAN)
- Water line (W)
- Utility vault
- Flow direction
- Manhole
- Storm drain inlet
- Feet below grade
- SB-1 Soil boring location (9/28-29/2005)
- BH-A Soil boring location (WA, 9/1993)
- B-1 Soil boring location (WA, 01/1990)
- D-1-5' Soil sample location (5/7/2004)
- DISP-A Soil sample location (2/11-12/1997)



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Shell-branded Service Station

6039 College Avenue
Oakland, California

FIGURE
2

APPENDIX A

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: 02/15/2011 By jamesy

Permit Numbers: W2011-0067 to W2011-0074
Permits Valid from 03/15/2011 to 03/18/2011

Application Id: 1296601335689
Site Location: 6039 College Ave.
Project Start Date: 03/08/2011
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org
Extension Start Date: 03/15/2011
Extension Count: 1

City of Project Site:Oakland
Completion Date:03/11/2011
Extension End Date: 03/18/2011
Extended By: vickyh1

Applicant: Conestoga Rovers & Associates - Belew Yifru
5900 Hollis Street Suite A, Emeryville, CA 94608
Property Owner: c/o Jim Graham; Montrose Investment Co
242 Rivera Circle, Lakspur, CA 94969
Client: Shell Shell Oil Products
20945 S. Wilmington, Carson, CA 90810
Contact: Belew Yifru

Phone: 510-420-3356
Phone: 415-924-5550
Phone: --
Phone: --
Cell: 510-385-0307

	Total Due:	\$3044.00
Receipt Number: WR2011-0037	Total Amount Paid:	\$3044.00
Payer Name : Conestoga Rovers & Associates		PAID IN FULL
Paid By: CHECK		

Works Requesting Permits:

Well Destruction-Vapor monitoring well - 6 Wells

Driller: Vapor Tech Services - Lic #: 916085 - Method: over

Work Total: \$265.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2011-0067	02/15/2011	06/06/2011	SVP-1	3.00 in.	0.25 in.	3.00 ft	5.00 ft	1S/4W13B	W2010-0092	e0109904
W2011-0067	02/15/2011	06/06/2011	SVP-2	3.00 in.	0.25 in.	3.00 ft	5.00 ft	1S/4W13B	W2010-0092	e0109906
W2011-0067	02/15/2011	06/06/2011	SVP-3	3.00 in.	0.25 in.	3.00 ft	5.00 ft	1S/4W13B	W2010-0092	e0109906
W2011-0067	02/15/2011	06/06/2011	SVP-4	3.00 in.	0.25 in.	3.00 ft	5.00 ft	1S/4W13B	W2010-0092	e0109907
W2011-0067	02/15/2011	06/06/2011	SVP-5	3.00 in.	0.25 in.	3.00 ft	5.00 ft	1S/4W13B	W2010-0092	e0109909
W2011-0067	02/15/2011	06/06/2011	SVP-6	3.00 in.	0.25 in.	3.00 ft	5.00 ft	1S/4W13B	W2010-0092	e0109910

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. Compliance with the above 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

Alameda County Public Works Agency - Water Resources Well Permit

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. 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.
 5. 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.
 6. No changes in construction procedures or well type shall change, as described on this permit application. This permit may be voided if it contains incorrect information.
 7. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
 8. 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.
 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.
 10. Vapor monitoring wells constructed with tubing shall be decommissioned by complete removal of tubing, grout seal, and fill material of sand or bentonite. Fill material may be removed by hand auger if material can be removed completely.
- Vapor monitoring wells constructed with pvc pipe less than 2" shall be overdrilled to total depth.
- Vapor monitoring wells constructed with 2" pvc pipe or larger may be grouted by tremie pipe (any depth) or pressure grouted (less than 30', 25 psi for 5 min).

Well Destruction-Monitoring - 7 Wells

Driller: Vapor Tech Services - Lic #: 916085 - Method: press

Work Total: \$2779.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2011-0068	02/15/2011	06/06/2011	MW-1	10.00 in.	4.00 in.	13.00 ft	25.00 ft	1S/4W13B3	90047	No Records
W2011-	02/15/2011	06/06/2011	MW-2	10.00 in.	4.00 in.	13.00 ft	25.00 ft	1S/4W13B4	90047	No Records

Alameda County Public Works Agency - Water Resources Well Permit

0069

W2011-0070	02/15/2011	06/06/2011	MW-3	10.00 in.	4.00 in.	13.00 ft	25.00 ft	1S/4W13B	No Records	No Records
W2011-0071	02/15/2011	06/06/2011	MW-4	10.00 in.	4.00 in.	13.00 ft	25.00 ft	1S/4W13B	No Records	No Records
W2011-0072	02/15/2011	06/06/2011	MW-5	10.00 in.	4.00 in.	13.00 ft	27.00 ft	1S/4W13B	No Records	No Records
W2011-0073	02/15/2011	06/06/2011	MW-6	10.00 in.	4.00 in.	7.00 ft	25.00 ft	1S/4W13C1 0	92481	398620
W2011-0074	02/15/2011	06/06/2011	MW-7	10.00 in.	4.00 in.	21.00 ft	35.00 ft	1S/4W13B	W2006-0243	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. 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 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. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit

Alameda County Public Works Agency - Water Resources Well Permit

application on site shall result in a fine of \$500.00.
