



**CONESTOGA-ROVERS
& ASSOCIATES**

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

TRANSMITTAL

DATE: August 12, 2010 REFERENCE NO.: 240504
PROJECT NAME: 1285 Bancroft Avenue, San Leandro
TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED
8:46 am, Aug 13, 2010
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*)
Mike Bakaldin, City of San Leandro, 835 East 14th Street, San Leandro, CA 94577
Ivan G. and Joanne Cornelius, 198 Juana Avenue, San Leandro, CA 94577
SF Data Room (*electronic copy*)

Completed by: Peter Schaefer Signed: *Peter Schaefer*

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
1285 Bancroft Avenue
San Leandro, California
SAP Code 136017
Incident No. 98996067
ACEH Case No. RO0000156

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 over a horizontal line.

Denis L. Brown
Project Manager



WELL DESTRUCTION REPORT

**SHELL-BRANDED SERVICE STATION
1285 BANCROFT AVENUE
SAN LEANDRO, CALIFORNIA**

**SAP CODE 136017
INCIDENT NO. 98996067
AGENCY NO. RO0000156**

**AUGUST 12, 2010
REF. NO. 240504 (13)**
This report is printed on recycled paper.

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

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

Office: (510) 420-0700
Fax: (510) 420-9170

web: <http://www.CRAworld.com>

TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION.....	1
2.0 WELL DESTRUCTION.....	1
2.1 FIELD DATE.....	1
2.2 PERSONNEL PRESENT	1
2.3 DESTRUCTION METHOD	1
2.4 WASTE DISPOSAL.....	1

LIST OF FIGURES
(Following Text)

FIGURE 1 VICINITY MAP

FIGURE 2 SITE PLAN

LIST OF APPENDICES

APPENDIX A PERMITS

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) June 17, 2010 letter. CRA followed the scope of work and procedures presented in our July 19, 2010 *Well Destruction Work Plan*, which was approved per ACEH's July 21, 2010 letter.

2.0 WELL DESTRUCTION

2.1 FIELD DATE

August 5 to August 10, 2010.

2.2 PERSONNEL PRESENT

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

2.3 DESTRUCTION METHOD

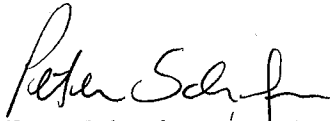
Twelve monitoring wells (MW-1A, MW-1B, MW-2A, MW-3A, and MW-5 through MW-12) were destroyed by pressure grouting and five soil vapor probes (SVP-1 through SVP-5) were drilled out and backfilled with grout using a tremie pipe. Copies of the Alameda County Public Works Agency well destruction permit and City of San Leandro encroachment permit are included in Appendix A.

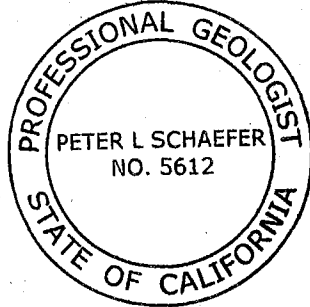
2.4 WASTE DISPOSAL

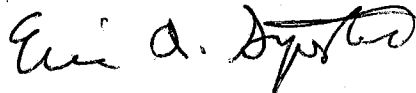
Soil generated during the well destructions was stored on site in 55-gallon drums, sampled, and profiled for disposal. Construction debris generated by the well destruction activities was transported by Vapor Tech Services of Berkeley, California to Commercial Waste and Recycling of Oakland, California for recycling. The laboratory

analytical report and disposal documentation are pending and will be provided upon request.

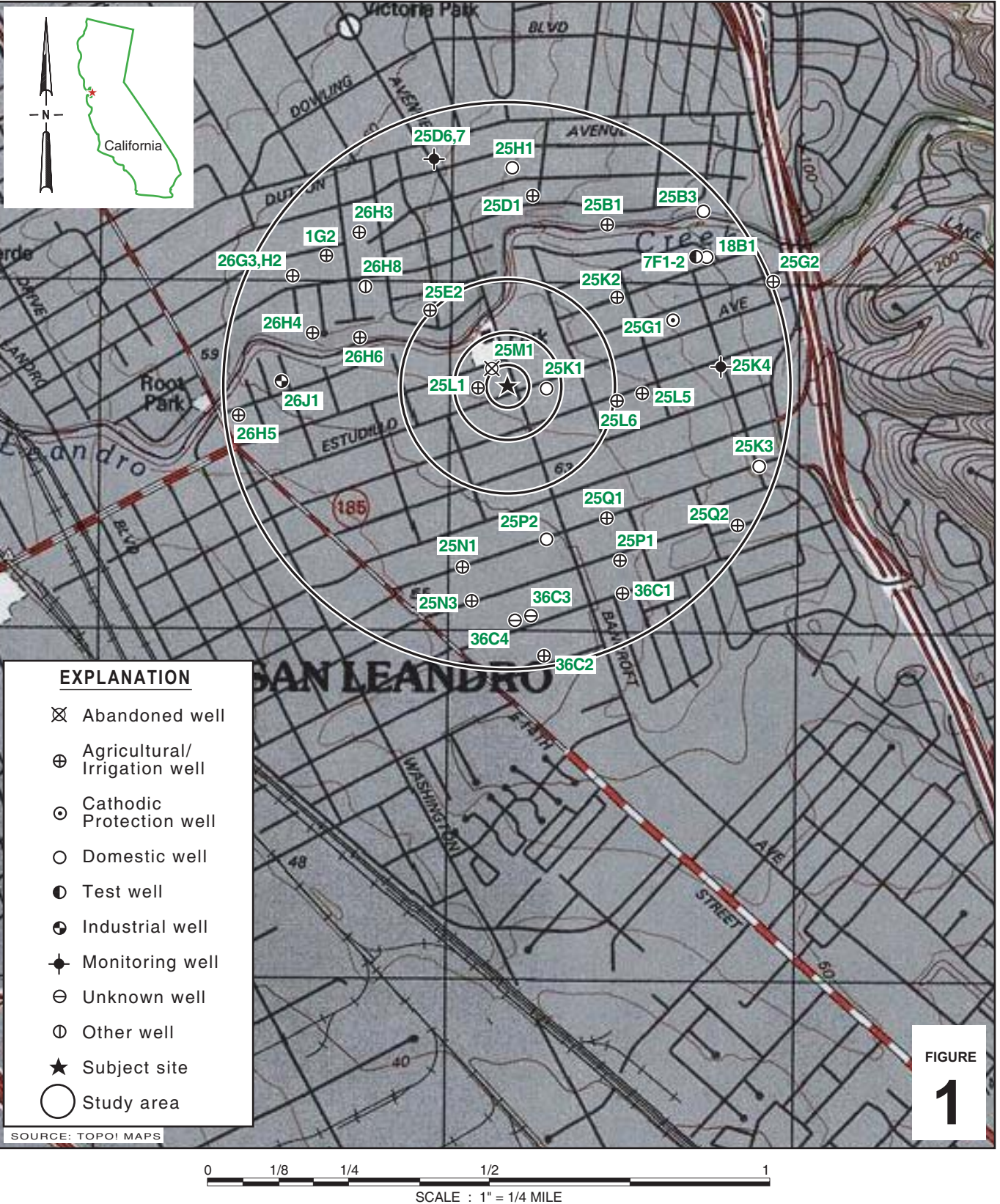
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES


Peter Schaefer, CEG, CHG




Eric A. Syrstad, PG

FIGURES



I:\Shell\6-chars\2405--\240504-San Leandro 1285 Bancroft\240504-FIGURES\240504VICINITY.AI

SOURCE: TOPO! MAPS

FIGURE 1

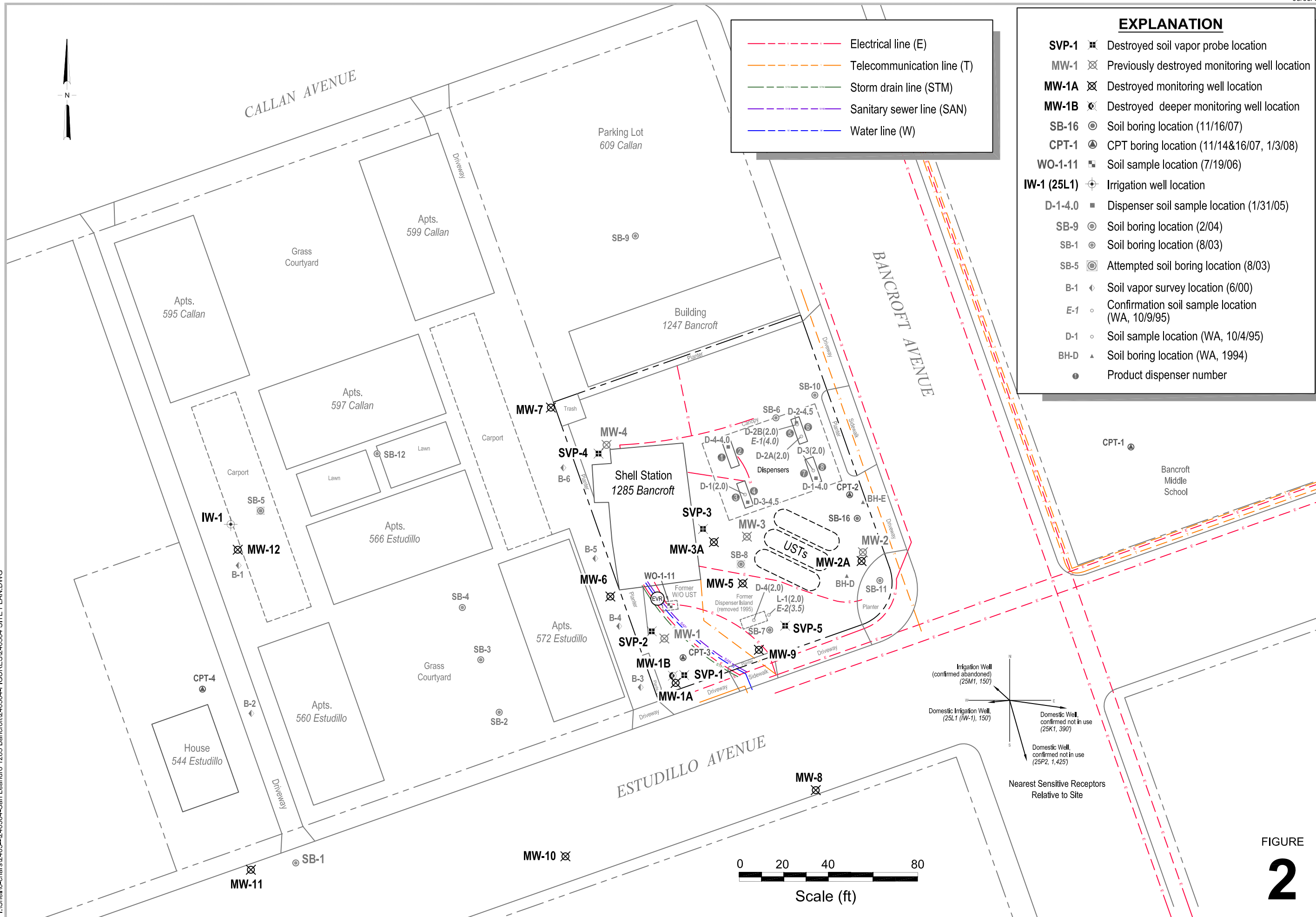
Shell-branded Service Station
 1285 Bancroft Avenue
 San Leandro, California



**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map

I:\Shell16-chars\2405-1\240504-San Leandro 1285 Bancroft\240504-FIGURES\240504 SITE PLAN.DWG



EXPLANATION	
SVP-1	Destroyed soil vapor probe location
MW-1	Previously destroyed monitoring well location
MW-1A	Destroyed monitoring well location
MW-1B	Destroyed deeper monitoring well location
SB-16	Soil boring location (11/16/07)
CPT-1	CPT boring location (11/14&16/07, 1/3/08)
WO-1-11	Soil sample location (7/19/06)
IW-1 (25L1)	Irrigation well location
D-1-4.0	Dispenser soil sample location (1/31/05)
SB-9	Soil boring location (2/04)
SB-1	Soil boring location (8/03)
SB-5	Attempted soil boring location (8/03)
B-1	Soil vapor survey location (6/00)
E-1	Confirmation soil sample location (WA, 10/9/95)
D-1	Soil sample location (WA, 10/4/95)
BH-D	Soil boring location (WA, 1994)
●	Product dispenser number

Site Plan



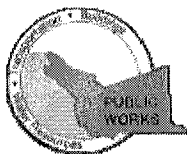
Shell-branded Service Station
 1285 Bancroft Avenue
 San Leandro, California

FIGURE
2

APPENDIX A

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: 07/12/2010 By jamesy

Permit Numbers: W2010-0503 to W2010-0515
Permits Valid from 08/02/2010 to 08/13/2010

Application Id: 1278105702915 **City of Project Site:** San Leandro
Site Location: 1285 Bancroft Avenue, San Leandro, CA. Shell Service Station,
Project Start Date: 08/02/2010 **Completion Date:** 08/13/2010
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

Applicant: Conestoga-Rovers & Associates - Christine **Phone:** 510-420-0700 x114

Orlowski
5900 Hollis Street, Emeryville, CA 94608

Property Owner: Shell Oil Products **Phone:** --

20945 S. Wilmington Avenue, Carson, CA 90810

Client: Shell Shell Oil Products **Phone:** --

20945 S. Wilmington Avenue, Carson, CA 90810

Total Due: \$5029.00
Receipt Number: WR2010-0243 Total Amount Paid: \$5029.00
Payer Name : Conestoga-Rovers & Associates Paid By: CHECK **PAID IN FULL**

Associates

Works Requesting Permits:

Well Destruction-Monitoring - 12 Wells

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

Work Total: \$4764.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2010-0503	07/12/2010	10/31/2010	MW-10	8.00 in.	2.00 in.	26.00 ft	40.00 ft	2S/3W25M1	W04-0021	No Records
W2010-0504	07/12/2010	10/31/2010	MW-11	8.00 in.	2.00 in.	36.00 ft	45.00 ft	2S/3W25M1	W04-0022	No Records
W2010-0505	07/12/2010	10/31/2010	MW-12	8.00 in.	2.00 in.	36.00 ft	45.00 ft	2S/3W25M1	W04-0023	No Records
W2010-0506	07/12/2010	10/31/2010	MW-1A	10.00 in.	4.00 in.	31.00 ft	45.00 ft	2S/3W25M6	W2008-0709	e0085536
W2010-0507	07/12/2010	10/31/2010	MW-1B	10.00 in.	4.00 in.	46.00 ft	60.00 ft	2S/3W25M7	W2008-0710	e0085544
W2010-0508	07/12/2010	10/31/2010	MW-2A	10.00 in.	4.00 in.	31.00 ft	45.00 ft	2S/3W25M8	W2008-0711	e0085545
W2010-0509	07/12/2010	10/31/2010	MW-3A	10.00 in.	4.00 in.	31.00 ft	45.00 ft	2S/3W25M9	W2008-0712	e005546
W2010-0510	07/12/2010	10/31/2010	MW-5	10.00 in.	4.00 in.	21.00 ft	50.00 ft	2S/3W25M	No Records	No Records
W2010-0511	07/12/2010	10/31/2010	MW-6	8.00 in.	2.00 in.	21.00 ft	50.00 ft	2S/3W25M	No Records	No Records
W2010-0512	07/12/2010	10/31/2010	MW-7	8.00 in.	2.00 in.	21.00 ft	50.00 ft	2S/3W25M	No Records	No Records
W2010-0513	07/12/2010	10/31/2010	MW-8	8.00 in.	2.00 in.	21.00 ft	50.00 ft	2S/3W25M	No Records	No Records
W2010-0514	07/12/2010	10/31/2010	MW-9	10.00 in.	4.00 in.	41.00 ft	50.00 ft	2S/3W25M1	W04-0020	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

Alameda County Public Works Agency - Water Resources Well Permit

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.

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.

Well Destruction-Vapor monitoring well - 5 Wells

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

Work Total: \$265.00

Alameda County Public Works Agency - Water Resources Well Permit

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2010-0515	07/12/2010	10/31/2010	SVP-1	6.00 in.	0.25 in.	3.50 ft	5.00 ft	2S/3W25M1 0	W2008-0713	e0085547
W2010-0515	07/12/2010	10/31/2010	SVP-2	6.00 in.	0.25 in.	3.50 ft	5.00 ft	2S/3W25M1 0	W2008-0713	e0085548
W2010-0515	07/12/2010	10/31/2010	SVP-3	6.00 in.	0.25 in.	3.50 ft	5.00 ft	2S/3W25M1 0	W2008-0713	e0085549
W2010-0515	07/12/2010	10/31/2010	SVP-4	6.00 in.	0.25 in.	3.50 ft	5.00 ft	2S/3W25M1 0	W2008-0713	e0085550
W2010-0515	07/12/2010	10/31/2010	SVP-5	6.00 in.	0.25 in.	3.50 ft	5.00 ft	2S/3W25M1 0	W2008-0713	e0085551

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 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.

Alameda County Public Works Agency - Water Resources Well Permit

9. 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.

10. 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.

11. 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).

**City of San Leandro
Engineering and Transportation Department
835 East 14th Street
San Leandro, California 94577
(510) 577-3428**



ENCROACHMENT PERMIT

Permit Type **Environmental**

JL

Permit Number: **ENC2010-00292** Job Address: **1285 Bancroft Av**

Issued: **7/23/2010**

Project Name: **CONESTOGA-ROVERS & ASSOCIATES**

Description of Work: **Wells destruction. Pressure grout three monitoring wells along Estudillo Ave. MW-8, MW-10 and MW-11**

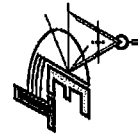
**Customer #
21897**

Planned Start Date : August 04, 2010 Planned Completion Date : November 04, 2010 USA Tag No .

Emergency Contact **Peter schaefer** Contact Phone Number **510-305-0240**
Applicant: **Owner:**

**CONESTOGA-ROVERS & ASSOCIATES
2000 OPPORTUNITY DRIVESUITE 110
ROSEVILLE CA 95678**

**Equilon En
P.o. Box 4369
Houston TX 77210**



Proud Of Our Past
Looking To The Future



Contractor:

**CONESTOGA-ROVERS & ASSOCIATES
5900 HOLLIS ST., SUITE A
EMERIVILL CA 94608**

**IAN HULL
5900 HOLLIS ST. SUITE A
EMERYVILLE CA 94608**

Agent:

Daniel Gutierrez
Engineering Inspector
Engineering and Transportation Department
Civic Center • 835 East 14th Street
San Leandro, California 94577
Phone: 510-577-3308
Fax: 510-577-3294
Cell Phone: 510-421-2085
E-mail: dgutierrez@ci.san-leandro.ca.us
Web Site: www.ci.san-leandro.ca.us

Associated Permits:

- Building Permit No.
- Oro Loma Permit No.
- Cal State Permit No.
- Ala County Permit No. W2010-0503,051
- Grading Permit No.

PERMIT FEE: 65- To Acct #3306
PLAN CHECKER _____ Hrs _____
RESTORE/INSPECT DEPOSIT 3000.00
To CN# 21897
STREET CUT FEE _____ To Acct #3304
TOTAL: 3065.00

Utility

Method of Repair
Backfill Required

Pavement Section Require
Section 1
Section 2
Section 3

Min Depth of Cover

All work shall be per City Standard Provisions. Pedestrian safety and access shall be maintained at all times.

Consent Form Pre. Video Post Video

Per approved traffic control plan

PLEASE CALL (510) 577-3308 FOR INSPECTIONS 24 HOURS PRIOR TO WORK

By the application and acceptance of this permit, the undersigned intending to be legally bound does hereby agree that all work performed will be in accordance with all applicable provisions of this permit and all regulations, provisions, and specifications as adopted by the City. Further, the undersigned agrees that this permit is to serve as a guaranty for payment for all permit and/or inspection charges as billed by the City. Any misrepresentation of information requested from the applicant on this form shall make this permit null and void.

Signature: *IAN HULL*

Print Name: **IAN HULL**

Date: **7/23/2010 11:40:42A**