



**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 5, 2010 REFERENCE NO.: 240687
PROJECT NAME: 29 Wildwood Avenue, Piedmont
TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED
1:29 pm, Aug 06, 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)
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, CA 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
29 Wildwood Avenue
Piedmont, California
SAP Code 135765
Incident No. 98995822
ACEH Case No. RO0000495

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 dashed line.

Denis L. Brown
Project Manager



WELL DESTRUCTION REPORT

SHELL-BRANDED SERVICE STATION
29 WILDWOOD AVENUE
PIEDMONT, CALIFORNIA

SAP CODE 135765
INCIDENT NO. 98995822
AGENCY NO. RO0000495

AUGUST 5, 2010
REF. NO. 240687 (7)

This report is printed on recycled paper.

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

5900 Hollis Street, Suite A
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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) April 29, 2010 letter. CRA followed the scope of work and procedures presented in our May 20, 2010 *Well Destruction Work Plan*, which was approved per ACEH's May 21, 2010 letter.

2.0 WELL DESTRUCTION

2.1 FIELD DATE

August 4, 2010.

2.2 PERSONNEL PRESENT

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


2.3 DESTRUCTION METHOD

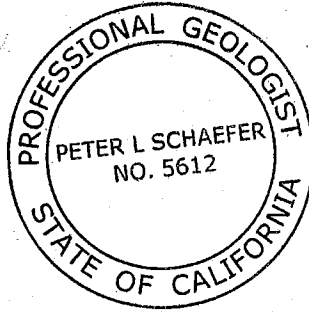
Wells MW-1 through MW-5 were destroyed by pressure grouting and the well boxes were removed. A copy of the Alameda County Public Works Agency well destruction permit is included in Appendix A.

2.4 WASTE DISPOSAL

No waste was generated during the well destructions.

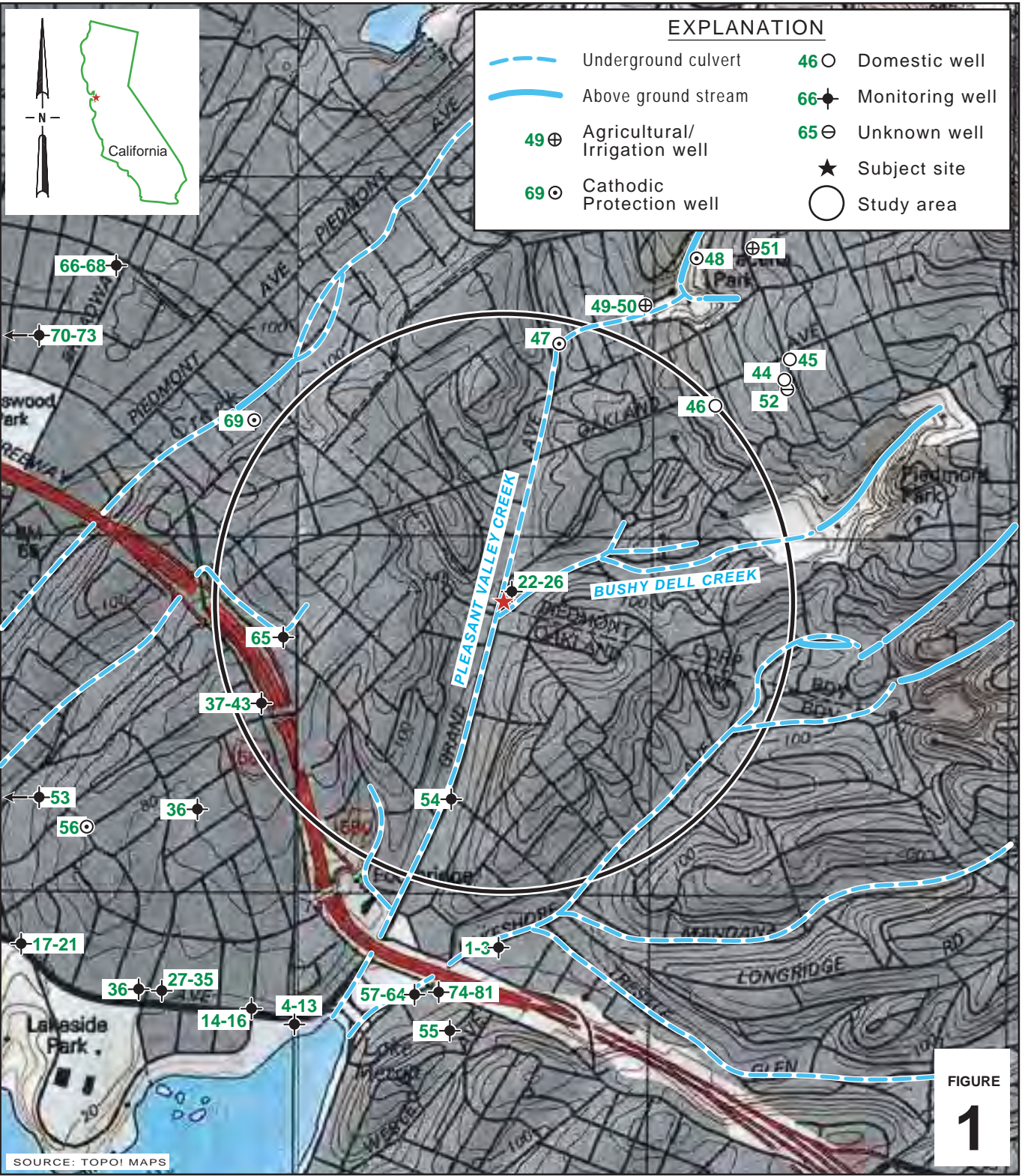
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES


Peter Schaefer, CEG, CHG




Aubrey K. Cool, PG

FIGURES



I:\Shell\6-char\2406--1240687-Piedmont 29 Wildwood\240687-FIGURES\240687 VICINITY.A1

Shell-branded Service Station

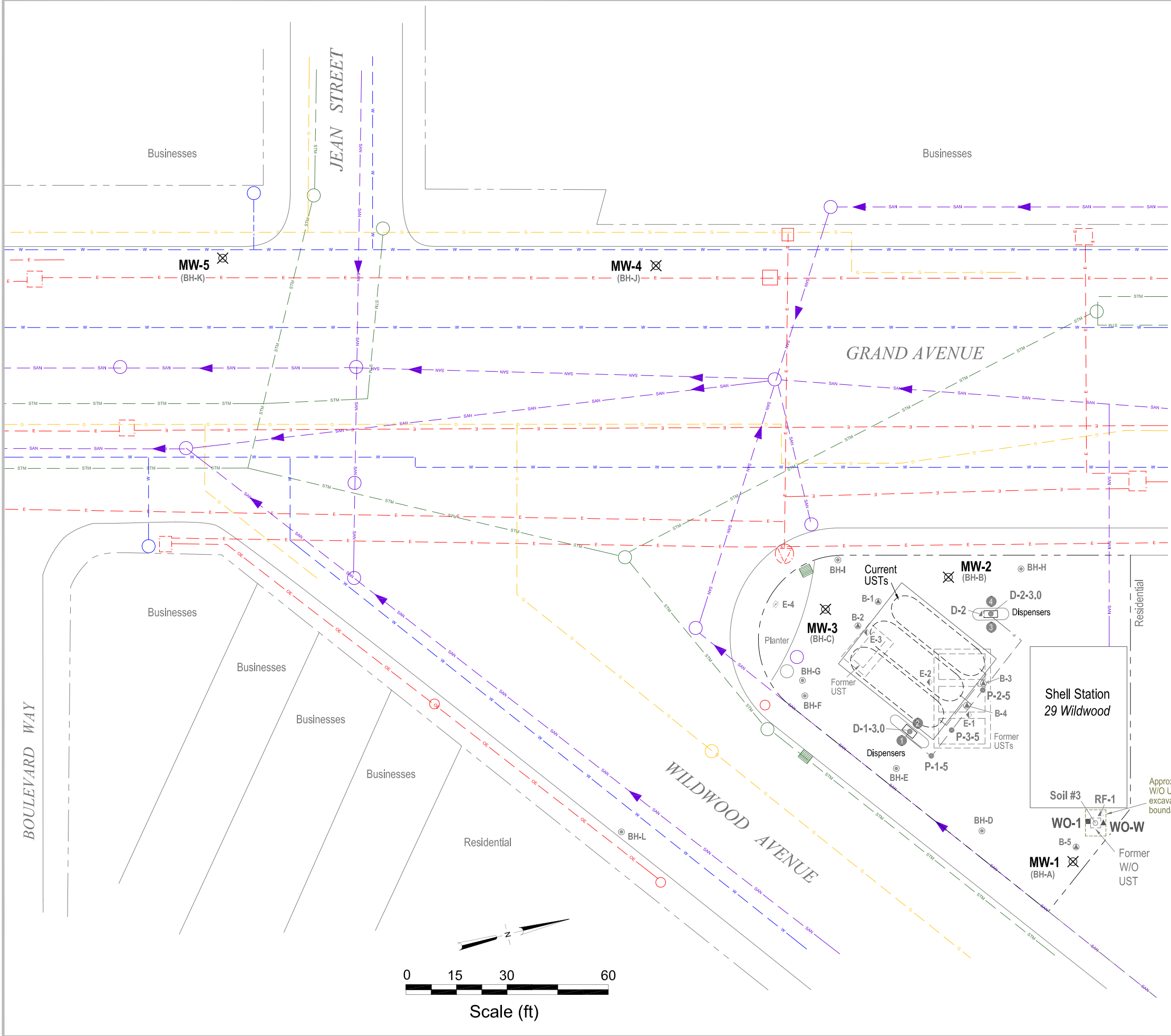
29 Wildwood Avenue
Piedmont, California



CONESTOGA-ROVERS
& ASSOCIATES

Vicinity Map

I:\Shell\6-chars\2406--240687-Piedmont 29 Wildwood\240687-FIGURES\240687 SITE PLAN.DWG



EXPLANATION

- MW-1 ☒ Destroyed monitoring well location
- E-4 ⬠ Destroyed flowing artesian monitoring well
- WO-1 ■ Soil sample location (CRA, 5/09/07)
- WO-W ▲ Grab groundwater sample location (CRA, 5/09/07)
- D-1-3.0 ● Soil sample location (Cambria, 4/5/05)
- P-1-5 ● Soil sample location (Cambria, 4/29/05)
- D-2 ▲ Soil sample location (Cambria, 3/3/98)
- BH-J ● Soil boring location (Weiss, 1/23/90)
- BH-A ● Soil boring location (Weiss, 7/5/89)
- B-1 ● Soil boring location (ENSCO, 8/9/88)
- Soil #3 ○ Soil sample location (Blaine, 6/16/87)
- E-1 ◆ Soil boring location (EMCON, 8/15/84)
- STM --- Storm drain line (SD)
- STM --- Storm drain line (SD) (boxed culvert)
- SAN --- Sanitary sewer line (SS)
- W --- Water line (W)
- G --- Gas line (G)
- E --- Electrical line (E)
- OE --- Overhead electrical line (OE)
- Utility pole
- Electrical vault
- ⊗ Electrical transformer
- Manhole
- ▲ Flow direction
- Storm drain inlet
- Product dispenser number

Notes:
 UST = Underground storage tank
 W/O = Waste oil

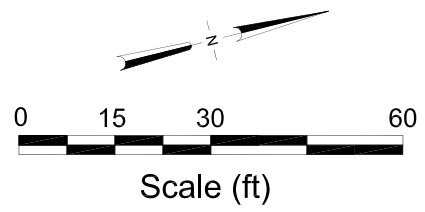


FIGURE 2

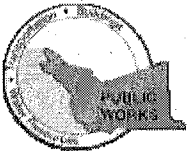


Shell-branded Service Station
 29 Wildwood Avenue
 Piedmont, California

APPENDIX A

WELL DESTRUCTION 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: 07/21/2010 By jamesy

**Permit Numbers: W2010-0553 to W2010-0557
Permits Valid from 08/04/2010 to 08/05/2010**

Application Id: 1278547979827
Site Location: 29 WildWood Drive,

City of Project Site:Piedmont

Project Start Date: 08/04/2010
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

Completion Date:08/05/2010

Applicant: Conestoga Rovers & Associates - Erin Swan
5900 Hollis St Suite A, Emeryville, CA 94608

Phone: 510-420-3372

Property Owner: Shell Shell
20945 S Wilmington Ave, Carson, CA 90810

Phone: --

Client: Erin Swan
5900 Hollis St Suite A, Emeryville, CA 94608

Phone: 510-420-3372

	Total Due:	\$1985.00
Receipt Number: WR2010-0260	Total Amount Paid:	\$1985.00
Payer Name : Conestoga Rovers & Associates	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 5 Wells

Driller: Gregg Drilling & Testing - Lic #: 485165 - Method: press

Work Total: \$1985.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2010-0553	07/21/2010	11/02/2010	MW-1	8.00 in.	4.00 in.	6.00 ft	14.00 ft	1S/3W25A2	89566	No Records
W2010-0554	07/21/2010	11/02/2010	MW-2	8.00 in.	4.00 in.	7.00 ft	12.00 ft	1S/3W25A3	89566	No Records
W2010-0555	07/21/2010	11/02/2010	MW-3	8.00 in.	4.00 in.	4.00 ft	9.00 ft	1S/3W25A4	89566	No Records
W2010-0556	07/21/2010	11/02/2010	MW-4	8.00 in.	4.00 in.	4.00 ft	15.00 ft	1S/3W25A5	89566	No Records
W2010-0557	07/21/2010	11/02/2010	MW-5	8.00 in.	4.00 in.	5.00 ft	16.00 ft	1S/3W25A6	89566	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

Alameda County Public Works Agency - Water Resources Well Permit

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. 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.
9. MW-4 and MW-5 shall be drilled out.

Remove the Christy box or similar structure. Destroy well MW-4 and MW-5 by overdrilling & Tremie Grouting with Cement. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.

All other wells can be pressure grouted or tremie grouted.

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.
