

RECEIVED

By Alameda County Environmental Health at 4:07 pm, May 20, 2014

May 19, 2014

Ms. Dilan Roe
Site Cleanup Program Manager
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94501-6577

Subject: Soil Vapor Probe Destruction Report
Crown Chevrolet South Parcel
6707 Golden Gate Drive
Dublin, California
Site Cleanup Program Case No. RO0003130

Dear Ms. Roe:

Enclosed please find the *Soil Vapor Probe Destruction Report* for the Crown Chevrolet South Parcel site at 6707 Golden Gate Drive, in Dublin, California (Site Cleanup Program Case No. RO0003130, Geotracker Global ID T10000005449). This report was prepared by AMEC Environment & Infrastructure, Inc. (AMEC), on behalf of Crown Chevrolet.

I declare under penalty of perjury that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Please contact me at (925) 984-1426 or Avery Whitmarsh of AMEC at 510-663-4154 if you have any questions regarding this report.

Sincerely yours,



Terri Costello

Betty J. Woolverton Trust

Attachment: Soil Vapor Probe Destruction Report

cc: Tondria Hendrix, Zurich North American Insurance
Thomas L. Vormbrock, Rimkus Consulting Group, Inc.
Avery Whitmarsh, AMEC Environment & Infrastructure, Inc.

May 19, 2014

Project OD10160070

Ms. Dilan Roe
Site Cleanup Program Manager
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94501-6577

Subject: Soil Vapor Probe Destruction Report
Crown Chevrolet South Parcel
6707 Golden Gate Drive
Dublin, California
Site Cleanup Program Case No. RO0003130

Dear Ms. Roe:

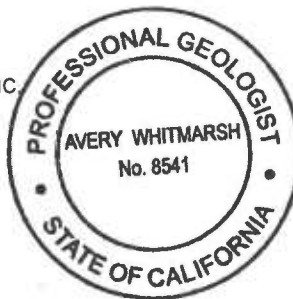
AMEC Environment & Infrastructure, Inc. (AMEC) has prepared this letter documenting the destruction of four soil vapor monitoring probes on behalf of the Betty J. Woolverton Trust and Crown Chevrolet Cadillac Isuzu (collectively, Crown) for the Crown Chevrolet South Parcel property located at 6707 Golden Gate Drive in Dublin, California (the site; Figure 1). Approval to destroy the probes was received in email from Dilan Roe of Alameda County Environmental Health (ACEH) to Avery Whitmarsh of AMEC on May 2, 2014.

The former probes were installed in 2012 at the locations shown on Figure 2. Prior to well destruction, AMEC obtained a well destruction permit from the Zone 7 Water Agency (Attachment 1). The probes were destroyed on May 9, 2014 in accordance with the April 2012 California Environmental Protection Agency (Cal/EPA) *Advisory, Active Soil Gas Investigations*.¹ Each probe was destroyed by first removing the well box that was constructed at the ground surface, leaving a hole approximately 1 foot deep around the probe tubing. The plastic tubing for each probe was then filled with a cement slurry. Finally, the tubing was cut at a depth of approximately 1 foot below ground surface and the hole was backfilled with cold asphalt patch to match the surrounding grade.

Sincerely yours,
AMEC Environment & Infrastructure, Inc.



Avery Whitmarsh, PG
Senior Geologist



AW/cpr

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¹ California Environmental Protection Agency, 2012, *Advisory, Active Soil Gas Investigations*, April.

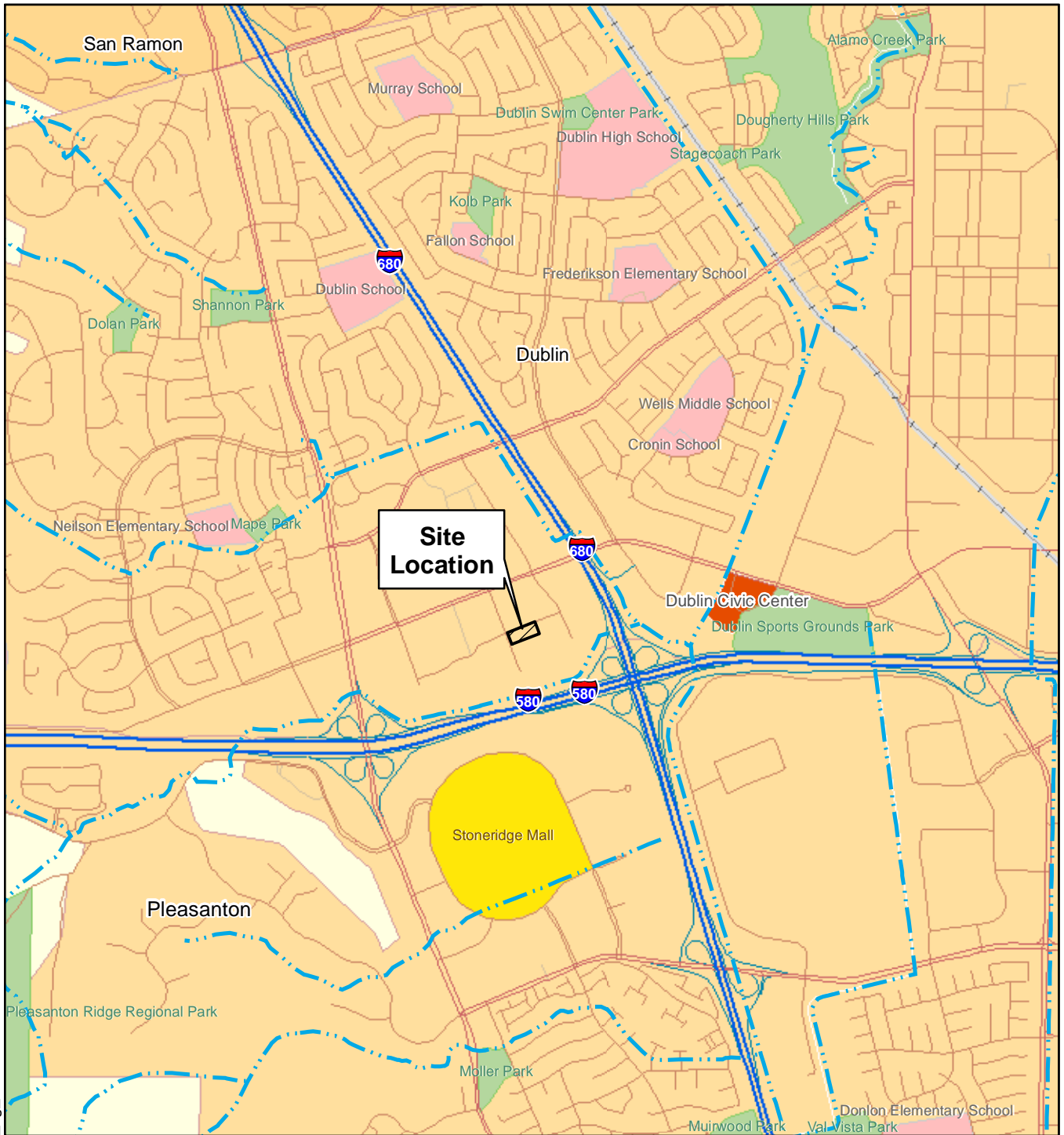


Ms. Dilan Roe
Alameda County Environmental Health
May 19, 2014
Page 2

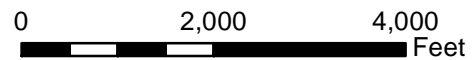
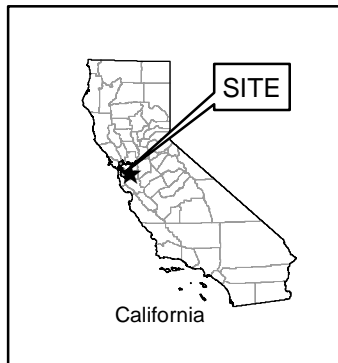
Attachments: Figure 1 – Site Location Map
Figure 2 – Site Plan and Former Soil Vapor Probe Locations
Attachment 1 – Well Destruction Permit

cc: Terri Costello, Betty J. Woolverton Trust
Tondria Hendrix, Zurich North American Insurance
Thomas L. Vormbrock, Rimkus Consulting Group, Inc.

FIGURES



Street map from ESRI, 2007.



SITE LOCATION MAP
 Crown Chevrolet South Parcel
 6707 Golden Gate Drive
 Dublin, California

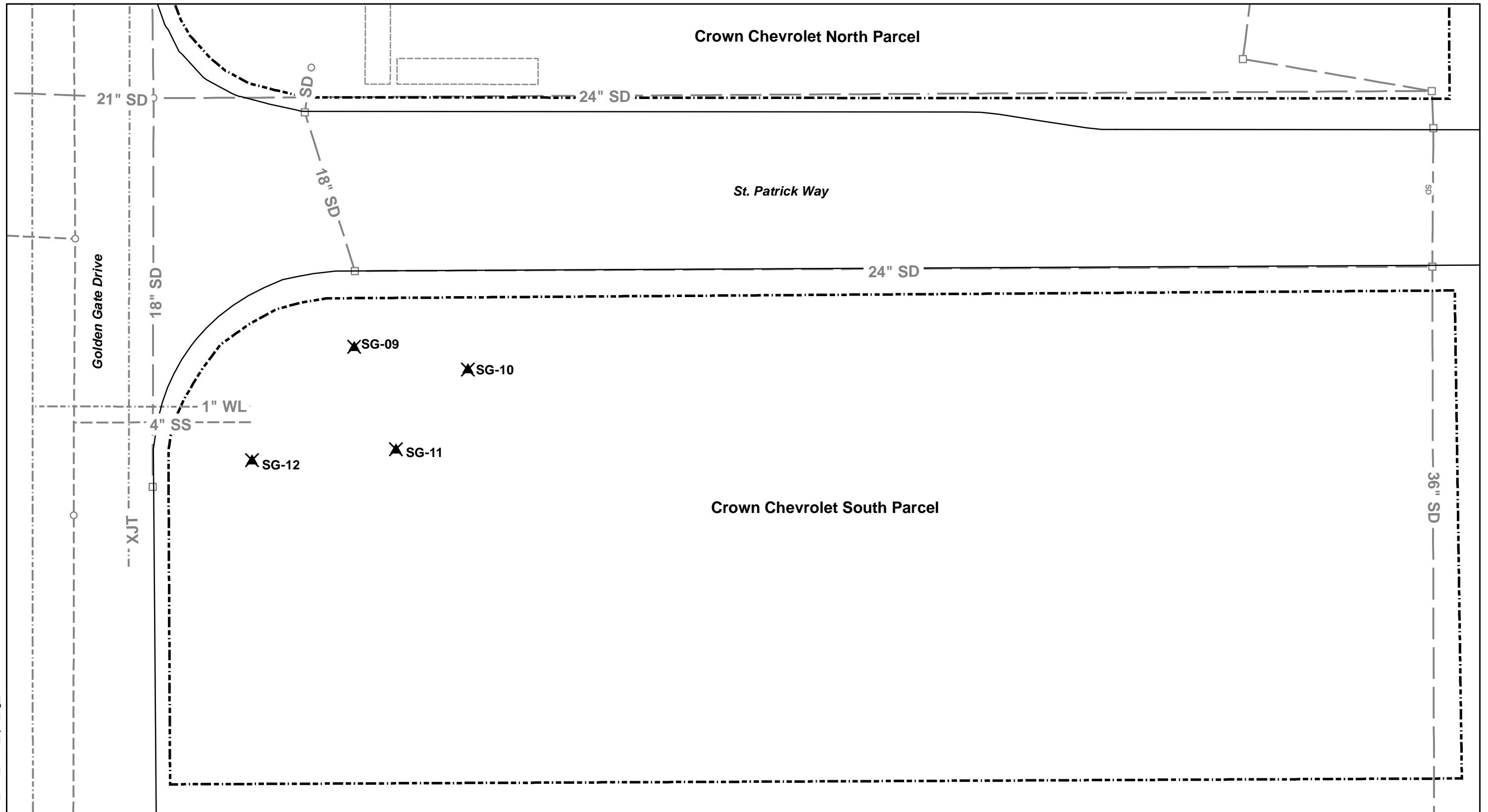
By: AWW	Date: 05/16/2014	Project No. OD10160070
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Figure	1
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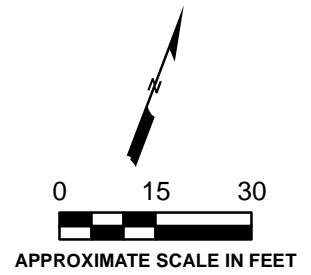
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Explanation	
	Location of former soil vapor probe
	Approximate property line
	Storm drain inlet
	Manhole
	Sanitary sewer line
	Storm drain line
	Water line

Note:
Locations of utilities provided by
Carlson, Barbee, & Gibson, Inc., in July
2012 (locations are approximate).



**SITE PLAN AND
FORMER SOIL VAPOR PROBE LOCATIONS**
Crown Chevrolet South Parcel
6707 Golden Gate Drive
Dublin, California

By: AWW	Date: 05/16/2014	Project No. OD10160070
		Figure 2



ATTACHMENT 1

Well Destruction Permit



ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL: whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 6707 Golden Gate Dr.
Dublin, CA

PERMIT NUMBER 2014063
WELL NUMBER 3S71W-1E17 to 1E20 (SV-9 to SV-12)
APN 941-1500-015-09

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: 37.90368 ft. LONG: -121.92838 ft.
APN 941-1500-15-19

PERMIT CONDITIONS (Circled Permit Requirements Apply)

CLIENT Name Terri Castello
Address 12 Meadows Ct. Phone 925-984-1926
City Danville Zip 94526

- A. GENERAL
 1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
 2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.**
 3. Permit is void if project not begun within 90 days of approval date.
 4. Notify Zone 7 at least 24 hours before the start of work.

APPLICANT Name Mike Keim mike.keim@amec.com
Email _____ Fax _____
Address 180 Grand Ave Ste. 1100 Phone 510-663-4218
City Oakland CA Zip 94612

- B. WATER SUPPLY WELLS
 1. Minimum surface seal diameter is four inches greater than the well casing diameter.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
 3. Grout placed by tremie.
 4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
 5. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT:
Well Construction _____ Geotechnical Investigation _____
Well Destruction Contamination Investigation _____
Cathodic Protection _____ Other _____

PROPOSED WELL USE:
Domestic _____ Irrigation _____
Municipal _____ Remediation _____
Industrial _____ Groundwater Monitoring _____
Dewatering _____ Other Soil vapor _____

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
 1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
 3. Grout placed by tremie.

DRILLING METHOD:
Mud Rotary _____ Air Rotary _____ Hollow Stem Auger _____
Cable Tool _____ Direct Push _____ Other

DRILLING COMPANY N/A

DRILLER'S LICENSE NO _____

- D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum _____
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

- E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

SOIL BORINGS:
Number of Borings 4 Maximum _____
Hole Diameter _____ in. Depth 10' ft.

- F. WELL DESTRUCTION. See attached.

ESTIMATED STARTING DATE 5/9/14
ESTIMATED COMPLETION DATE 5/9/14

- G. SPECIAL CONDITIONS: Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Mike Keim Date 5/8/14

Approved: Wyman Hong Date 5/8/14
Wyman Hong

ATTACH SITE PLAN OR SKETCH

May 8, 2014

Zone 7
Water Resources Engineering
Groundwater Protection Ordinance

Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard & 6707 Golden Gate Drive
Dublin
Wells 3S/1W-1E17 to 3S/1W-1E20 (SV-09 to SV-12)
Permit 2014063

Destruction Requirements for Vapor Wells with Tubing:

1. Remove the well box from around the top of well.
2. Squeeze sealant, such as grout, cement or silicone caulk, into the exposed tubing until the entire tubing is filled with sealant.
3. Cut the well tubing as far below grade as possible.
4. Fill the open hole with hydrated bentonite to within one foot of surface grade.
5. Fill the last foot of the hole with asphalt patch to match existing surface.

