ExxonMobil
Environmental Services Company
4096 Piedmont Avenue #194
Oakland, California 94611
510 547 8196 Telephone
510 547 8706 Facsimile

Jennifer C. Sedlachek
Project Manager

ExxonMobil

May 10, 2016

Ms. Anne Jurek
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RE: Former Exxon RAS #73399/2991 Hopyard Road, Pleasanton, California.

Dear Ms. Jurek:

Attached for your review and comment is a copy of the report entitled ***Well Destruction Report,*** dated May 10, 2016, for the above-referenced site. The report was prepared by Cardno, of Petaluma, California, and details activities at the subject site.

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.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

JC Sedlachek

Jennifer C. Sedlachek
Project Manager

Attachment: Cardno's ***Well Destruction Report,*** dated May 10, 2016

cc: w/ attachment
Ms. Coleen Winey, Zone 7 Water Agency
Ms. Susan Clough, City of Pleasanton

w/o attachment
Ms. Janice A. Jacobson, Cardno

May 10, 2016
Cardno 277609.R09

Cardno

601 N. McDowell Boulevard
Petaluma, CA 94954
USA

Phone: +1 800 382 9105
Fax: +1 707 789 0414
Contractor: #997036

www.cardno.com

Ms. Jennifer C. Sedlachek
ExxonMobil Environmental Services Company
4096 Piedmont Avenue, #194
Oakland, California 94611

SUBJECT **Well Destruction Report**
Former Exxon Service Station 73399
2991 Hopyard Road, Pleasanton, California

Ms. Sedlachek:

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno destroyed the wells associated with the environmental investigation at subject site. The work was approved by the Alameda County Health Care Services Agency (County), in a letter dated February 17, 2016 (Appendix A).

SITE DESCRIPTION

Former Exxon Service Station 73399 is located at 2991 Hopyard Road in Pleasanton, California (Plate 1). The site currently operates as a Valero-branded service station with a convenience store and automotive repair facilities. The surrounding area consists of commercial and residential properties. Three gasoline USTs and one used-oil UST were removed from the site in 1988 (Delta, 1996). There are currently six dispenser islands and three double-walled fiberglass USTs (two 10,000-gallon and one 12,000-gallon) at the site dispensing three grades of gasoline and diesel fuel (ETIC, 2011). The locations of select site features are shown on Plate 2.

REMEDIATION EQUIPMENT REMOVAL

The remediation equipment was removed in November 2014. The former remediation system enclosure is now being used by the existing service station at the site and was conveyed to the property owner.

WELL DESTRUCTION

Field activities were conducted under the advisement of a State of California professional geologist, and in accordance with Cardno's site-specific health and safety plan and well destruction field protocol (Appendix B). Well construction details are listed in Table 1.

Pre-Field Activities

Prior to field activities, Cardno obtained a well destruction permit from the Zone 7 Water Agency and an encroachment permit from the City of Pleasanton (Appendix C). The property owners were notified at least one week prior to the start of fieldwork. Underground Service Alert and the County were notified at least 48 hours prior to the onset of field activities.

Well Destruction Activities

From April 12 to 21, 2016, Cardno conducted well destruction activities at the site. Wells MW1, MW4, MW5D, MW5S, MW7, MW8, MW9A, MW10, MW11, MW12A, MW13, MW14, OW1, OW2, PMW1 through PMW6, VR1, and VR2 were destroyed as follows:

- The wells were filled to the surface with neat cement grout using a tremie pipe.
- Approximately 25 psi of compressed air were applied to the wells for a minimum of five minutes to ensure a complete seal.
- The resultant boreholes were refilled with additional neat cement grout as needed.
- The surface was refinished to match surrounding conditions.

Well Completion Reports

California Department of Water Resources (DWR) well destruction forms (DWR-188s) will be submitted to the DWR and the County under separate cover.

Waste Management Plan

Construction debris and well materials were removed and hauled to a recycling facility. Soil or groundwater waste was not generated during well destruction activities.

CONCLUSIONS

C-57 licensed well drillers, under permit from the Zone 7 Water Agency, destroyed the wells associated with the environmental investigation at subject site. No further action is required for this site.

RECOMMENDATIONS

Cardno recommends the issuance of a No Further Action letter for this site.

CONTACT INFORMATION

The responsible party contact is Ms. Jennifer C. Sedlachek, ExxonMobil Environmental Services Company, 4096 Piedmont Avenue #194, Oakland, California, 94611. The consultant contact is Ms. Janice A. Jacobson, Cardno, 601 North McDowell Boulevard, Petaluma, California, 94954. The agency contact is Ms. Anne Jurek, Alameda County Health Care Services Agency, Environmental Protection, 1131 Harbor Bay Parkway, Suite 250, Alameda California, 94502.

LIMITATIONS

For documents cited that were not generated by Cardno, the data taken from those documents is used “as is” and is assumed to be accurate. Cardno does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these documents.

This document and the work performed have been undertaken in good faith, with due diligence and with the expertise, experience, capability, and specialized knowledge necessary to perform the work in a good and workmanlike manner and within all accepted standards pertaining to providers of environmental services in California at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

Please contact Ms. Janice A. Jacobson, Cardno's project manager for this site, at janice.jacobson@cardno.com or at (707) 766-2000 with questions or comments regarding this report.

Sincerely,

Christine M. Capwell
Senior Technical Editor
for Cardno
707 766 2000
Email: christine.capwell@cardno.com

David R. Daniels
P.G. 8737
for Cardno
707 766 2000
Email: david.daniels@cardno.com

Enclosures:

References

Acronym List

Plate 1	Site Vicinity Map
Plate 2	Generalized Site Plan
Table 1	Well Construction Details
Appendix A	Correspondence
Appendix B	Field Protocols
Appendix C	Permits

cc: Ms. Anne Jurek, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Suite 250, Alameda, California, 94502

Ms. Colleen Winey, Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, California, 94551

Ms. Susan Clough, City of Pleasanton, 3333 Busch Road, Pleasanton, California, 94566

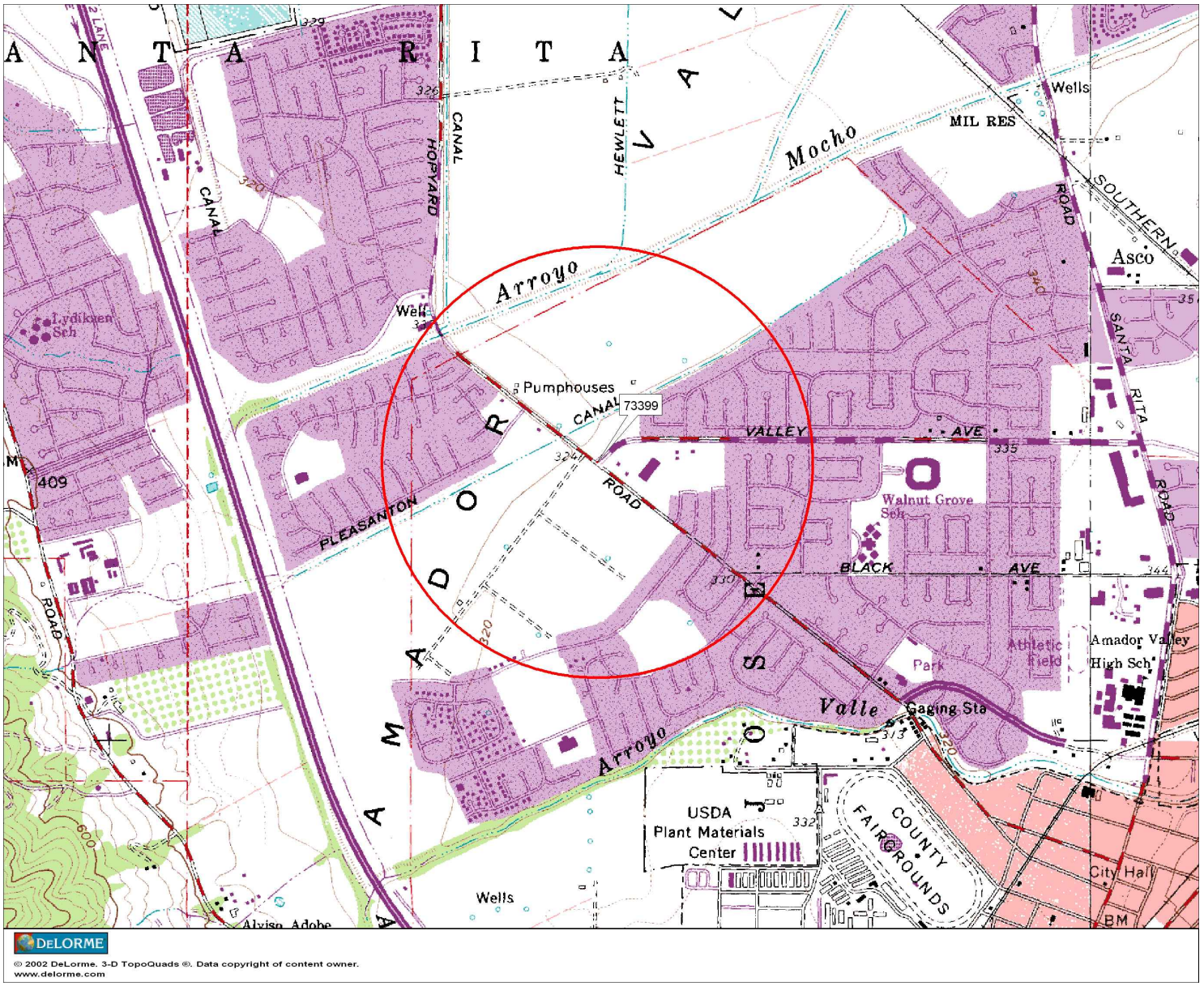
REFERENCES

Delta Environmental Consultants (Delta). December 6, 1999. *Soil Boring and Well Destruction Results Report, Exxon Service Station No. 7-3399, 2991 Hopyard Road, Pleasanton, California*.

ETIC Engineering, Inc. (ETIC). April 29, 2011. *Site Investigation Report, Former Exxon RAS 73399, 2991 Hopyard Road, Pleasanton, California*.

ACRONYM LIST

µg/L	Micrograms per liter
µs	Microsiemens
1,2-DCA	1,2-dichloroethane
acfm	Actual cubic feet per minute
AS	Air sparge
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
CEQA	California Environmental Quality Act
cfm	Cubic feet per minute
COC	Chain of Custody
CPT	Cone Penetration (Penetrometer) Test
DIPE	Di-isopropyl ether
DO	Dissolved oxygen
DOT	Department of Transportation
DPE	Dual-phase extraction
DTW	Depth to water
EDB	1,2-dibromoethane
EPA	Environmental Protection Agency
ESL	Environmental screening level
ETBE	Ethyl tertiary butyl ether
FID	Flame-ionization detector
fpm	Feet per minute
GAC	Granular activated carbon
gpd	Gallons per day
gpm	Gallons per minute
GWPTS	Groundwater pump and treat system
HVOC	Halogenated volatile organic compound
J	Estimated value between MDL and PQL (RL)
LEL	Lower explosive limit
LPC	Liquid-phase carbon
LRP	Liquid-ring pump
LUFT	Leaking underground fuel tank
LUST	Leaking underground storage tank
MCL	Maximum contaminant level
MDL	Method detection limit
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
MPE	Multi-phase extraction
MRL	Method reporting limit
msl	Mean sea level
MTBE	Methyl tertiary butyl ether
MTCA	Model Toxics Control Act
NAI	Natural attenuation indicators
NAPL	Non-aqueous phase liquid
NEPA	National Environmental Policy Act
NGVD	National Geodetic Vertical Datum
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
ORP	Oxidation-reduction potential
OSHA	Occupational Safety and Health Administration
OVA	Organic vapor analyzer
P&ID	Process & Instrumentation Diagram
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene or perchloroethylene
PID	Photo-ionization detector
PLC	Programmable logic control
POTW	Publicly owned treatment works
ppmv	Parts per million by volume
PQL	Practical quantitation limit
psi	Pounds per square inch
PVC	Polyvinyl chloride
QA/QC	Quality assurance/quality control
RBSL	Risk-based screening levels
RCRA	Resource Conservation and Recovery Act
RL	Reporting limit
scfm	Standard cubic feet per minute
SSTL	Site-specific target level
STLC	Soluble threshold limit concentration
SVE	Soil vapor extraction
SVOC	Semi-volatile organic compound
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
TCE	Trichloroethene
TOC	Top of well casing elevation; datum is msl
TOG	Total oil and grease
TPHd	Total petroleum hydrocarbons as diesel
TPHg	Total petroleum hydrocarbons as gasoline
TPHmo	Total petroleum hydrocarbons as motor oil
TPHs	Total petroleum hydrocarbons as stoddard solvent
TRPH	Total recoverable petroleum hydrocarbons
UCL	Upper confidence level
USCS	Unified Soil Classification System
USGS	United States Geologic Survey
UST	Underground storage tank
VCP	Voluntary Cleanup Program
VOC	Volatile organic compound
VPC	Vapor-phase carbon



FN 2776TOPO

EXPLANATION

1/2-mile radius circle

N

APPROXIMATE SCALE

0 0.5 1 mile

SOURCE:
Modified from a map
provided by
DeLorme 3-D TopoQuads

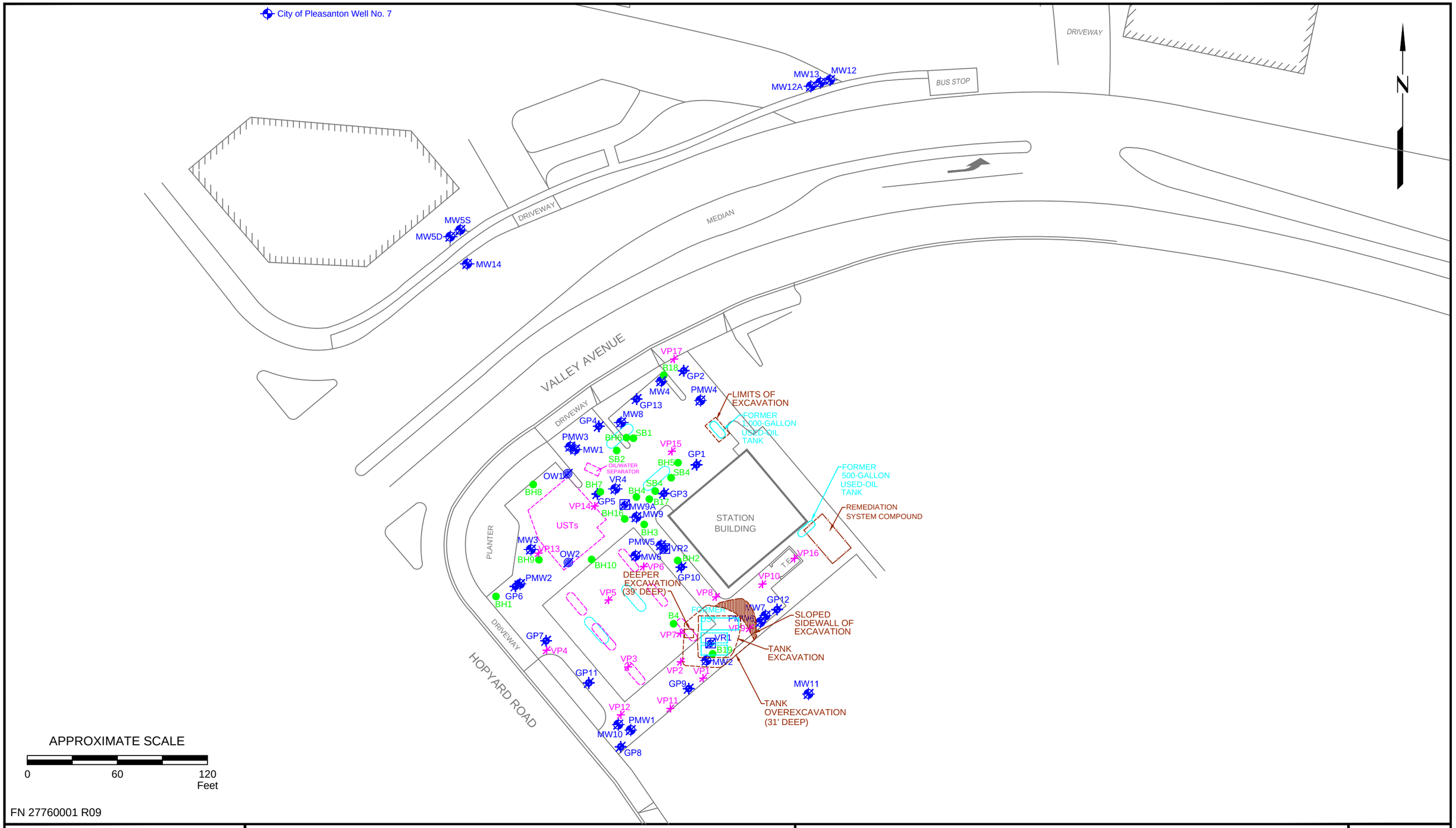
Cardno
Shaping the Future

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 73399
2991 Hopyard Road
Pleasanton, California

PROJECT NO.
2776

PLATE
1



FN 27760001 R09

Cardno
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GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 73399
2991 Hopyard Road
Pleasanton, California

EXPLANATION

- MW14 Destroyed Groundwater Monitoring Well
- OW2 Destroyed Observation Well
- VR2 Destroyed Recovery Well
- GP12 Destroyed Direct-Push Boring
- VP17 Destroyed Soil Vapor Sampling Well
- B19 Soil Boring
- Dispenser Island
- Former Dispenser Island

PROJECT NO. 2776

PLATE 2

TABLE 1
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 73399
2991 Hopyard Road
Pleasanton, California

Well Number		Well Installation Date	Well Destruction Date	Elevation TOC (feet)	Well Casing Material	Total Depth (feet)	Well Depth (feet)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material	Water - Bearing Zone
MW1	d	04/01/88	04/15/16	320.52	Sch-40 PVC	57	57	10	4	32-57	0.020	30-57	#3 Sand	Zone 1
MW2		04/02/88	07/12/88	322.29	Sch-40 PVC	57	57	10	4	37-57	0.020	34-57	#3 Sand	---
MW3		04/04/88	08/29/88	322.56	Sch-40 PVC	60	60	10	4	36-56	0.020	35-60	#3 Sand	---
MW4	d	04/06/88	04/14/16	321.56	Sch-40 PVC	60	60	10	4	37-57	0.020	36-60	#3 Sand	Zone 1
MW5D	d	05/10/88	04/18/16	321.79	Sch-40 PVC	82.0	77.5	10	4	67.5-77.5	0.020	64-77.5	#3 Sand	Zone 2
MW5S	d	05/11/88	04/18/16	320.52	Sch-40 PVC	58	58	10	4	40-55	0.020	37.5-58	#3 Sand	Zone 1
MW6		05/11/88	10/24/88	322.28	Sch-40 PVC	59	59	10	4	40-55	0.020	36-59	#3 Sand	---
MW7	d	07/12/88	04/13/16	321.27	Sch-40 PVC	56.5a	56.5	10	5	28-53	0.020	25-56.5	#3 Sand	Zone 1
MW8	d	09/30/89	04/13/16	321.86	Sch-40 PVC	140	133	14	4	118-133	0.020	114-133	---	Zone 3
MW9		10/04/89	11/03/00	320.26	Sch-40 PVC	57.5	54.5	10	4	34.5-54.5	0.020	34-54.5	---	---
MW9A	d	11/03/00	04/15/16	321.27	Sch-40 PVC	59	58	12.25	6	35-55/55-58c	0.020	33-58	#3 Sand	Zone 1
MW10	d	10/06/89	04/13/16	322.99	Sch-40 PVC	60.5	60	10	4	40-60	0.020	38-60	---	Zone 1
MW11	d	11/02/89	04/14/16	321.73	Sch-40 PVC	55.5	55	10	4	35-55	0.020	33-55	---	Zone 1
MW12		08/17/00	08/30/00	---	Sch-40 PVC	132	132	8.33	2	114.5-131.5	0.020	112.5-132	#3 Sand	---
MW12A	d	08/30/00	04/18/16	322.62	Sch-40 PVC	136	130.5	8.33	2	115.5-130.5	0.020	113.5-130.5	#3 Sand	Zone 3
MW13	d, b	08/23/00	04/18/16	322.71	Sch-80 PVC and Steel	73	73	8.33	2	61.5-72	0.020	57.5-73	#3 Sand	Zone 2
MW14	d	08/29/00	04/18/16	321.24	Sch-40 PVC	143	143	8.33	2	121.5-136.5	0.020	119.5-143	#3 Sand	Zone 3
OW1		---	04/15/16	321.44	---	---	---	---	4	e	---	---	---	Perched
OW2	d	---	04/12/16	321.55	---	---	---	---	4	e	---	---	---	Perched
PMW1	d	12/16/99	04/13/16	322.75	PVC	16	16	10	4	6-16	0.010	5.5-16	#2/12 Sand	Perched
PMW2	d	12/16/99	04/12/16	322.37	PVC	16	16	10	4	6-16	0.010	5.5-16	#2/12 Sand	Perched

TABLE 1
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 73399
2991 Hopyard Road
Pleasanton, California

Well Number		Well Installation Date	Well Destruction Date	Elevation TOC (feet)	Well Casing Material	Total Depth (feet)	Well Depth (feet)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material	Water - Bearing Zone
PMW3	d	12/16/99	04/15/16	321.27	PVC	16	16	10	4	6-16	0.010	5.5-16	#2/12 Sand	Perched
PMW4	d	12/16/99	04/14/16	321.37	PVC	16	16	10	4	6-16	0.010	5.5-16	#2/12 Sand	Perched
PMW5	d	12/16/99	04/19/16	320.04	PVC	35.5	16	10	4	6-16	0.010	5.5-16	#2/12 Sand	Perched
PMW6	d	12/17/99	04/13/16	321.38	PVC	16	16	10	4	6-16	0.010	5.5-16	#2/12 Sand	Perched
VR1	d	10/24/88	04/13/16	321.00	Sch-40 PVC	30	30	10	4	10-30	0.020	10-30	---	Perched
VR2		11/20/89	04/19/16	320.18	Sch-40 PVC	45.5	45.5	8	2	35-45	0.020	33-45.5	---	Zone 1
VR3		11/20/89	09/24/99	318.73	Sch-40 PVC	35.5	35.5	8	2	5-35	0.020	4-35.5	---	---
VR4		11/24/89	09/24/99	321.19	Sch-40 PVC	35.5	35.5	8	2	12.5-32.5	0.020	4-35.5	---	---

Notes:
TOC = Top of well casing elevation; datum is mean sea level.
PVC = chloride.
--- = Information not available.
a = The total depth measured in well MW7 does not match the well completion log. On 16 September 2002, the total depth was measured as 59.83 feet below top of casing.
b = PVC screen from 61.5-72 feet, stainless steel blank from 11.5-61.5 feet, PVC blank from surface to 11.5 feet.
c = Depth of PVC sump at base of well.
d = Well surveyed in October 2001. Elevation is based on City of Pleasanton Benchmark #C-972. Brass disc in concrete abutment, 15 feet north of the southeast corner of the southbound
= bridge over Mocho Canal. Elevation = 330.55 feet.
e = Well screen is visible near surface and is assumed to extend to near total depth.

APPENDIX A

CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
Rebecca Gebhart, Acting Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

February 17, 2016

Ms. Jennifer Sedlachek (*Sent via E-mail to: jennifer.c.sedlachek@exxonmobil.com*)
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

Mr. Steve Asmann
Steve's Valero
2991 Hopyard Road
Pleasanton, CA 94566

Mr. Bruce Morrison
Kirk D. Morrison Trust et al.
224 Woodward Avenue
Sausalito, CA 90623-1066

VLRO-Pleasanton LLC
4072 19th Street
San Francisco, CA 94114-2562

Subject: Well Destruction for Fuel Leak Case No. RO0000362 and GeoTracker Global ID No. T0600100537, Valero #3823, 2991 Hopyard Road, Pleasanton, CA 94566

Dear Responsible Parties:

Alameda County Department of Environmental Health (ACDEH) staff have reviewed the fuel leak case file for the above-referenced site and concur that no further action related to the underground storage tank fuel release is required at this time. No comments were received on the proposed case closure during a public comment period that ended January 24, 2016. Please destroy the monitoring wells and provide documentation of the well destruction and waste disposal to this office no later than May 13, 2016. Remedial action completion certification will be issued following receipt of the documentation.

Well destruction permits may be obtained from the Zone 7 Water Agency (http://www.zone7water.com). If you have any questions, please call me at (510) 567-6721 or send me an electronic mail message at anne.jurek@acgov.org.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Department of Environmental Health (Attention: Anne Jurek), according to the following schedule:

- **May 13, 2016** – Well Destruction Report
  File to be named: WELL_DCM_R_yyyy-mm-dd RO362

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.
If you have any questions, please call me at (510) 567-6721 or send me an electronic mail message at anne.jurek@acgov.org. Online case files are available for review at the following website:

http://www.acgov.org/aceh/index.htm. If your email address does not appear on the cover page of this notification, ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Sincerely,

Digitally signed by Anne Jurek
DN: cn=Anne Jurek, o, ou, email=anne.jurek@acgov.org, c=US
Date: 2016.02.17 14:35:25 -08'00'

Anne Jurek, M.S.
Professional Technical Specialist II (Geology)

Attachments: Well Destruction Fact Sheet
Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Danielle Stefani, Livermore Pleasanton Fire Department, 3560 Nevada St, Pleasanton, CA 94566 (*Sent via E-mail to: dstefani@lpfire.org*)

Colleen Winey (QIC 8021), Zone 7 Water Agency, 100 North Canyons Pkwy, Livermore, CA 94551 (*Sent via E-mail to: cwiney@zone7water.com*)

David Daniels, Cardno ERI, 601 N McDowell Boulevard, Petaluma, CA 94954 (*Sent via E-mail to: david.daniels@cardno.com*)

Abbas Masjedi, City of Pleasanton, P.O. Box 520, Pleasanton, CA 94566-0802 (*Sent via E-mail to: amasjedi@ci.pleasanton.ca.us*)

Susan Clough, City of Pleasanton, (*Sent via E-mail to: sclough@ci.pleasanton.ca.us*) \\

Anne Jurek, ACDEH (*Sent via E-mail to: anne.jurek@acgov.org*)
GeoTracker, eFile

APPENDIX B

FIELD PROTOCOLS

Cardno
Well Destruction Field Protocol

All destruction techniques and methods should be Environmental Protection Agency, American Society of Testing and Materials and appropriate regulatory agency approved methodologies.

Preliminary Activities

Prior to the onset of field activities at the site, Cardno obtains the appropriate permit(s) from the governing agency(s). Advance notification is made as required by the agency(s) prior to the start of work. Cardno marks the borehole locations and contacts the local one call utility locating service at least 48 hours prior to the start of work to mark buried utilities. Borehole locations may also be checked for buried utilities by a private geophysical surveyor. Prior to well destruction, the well borehole is cleared in accordance with the client's procedures. Fieldwork is conducted under the advisement of a registered professional geologist and in accordance with an updated site-specific safety plan prepared for the project, which is available at the job site during field activities.

Overdrilling Well Destruction Procedures

Each well to be destroyed is overdrilled to its respective total depth. The drill rig is equipped with a continuous flight hollow-stem auger of equal or greater size than the original well borehole. After the annular space backfill and casing(s) are removed from each well by overdrilling, the well borehole is backfilled by pumping the agency-specified sealing material through a tremie pipe placed within the augers to the total depth of the borehole. Each well borehole is backfilled from its respective total depth to within approximately 5 feet of surface grade. After the seal hardens, the remaining annular space of each well borehole is backfilled with hydrated bentonite chips to approximately 2 feet below ground surface (bgs) followed by sand to the base of the pavement, or 6 inches below grade if no pavement is present. The destruction of each well is completed to surface grade with material that best matches existing surface conditions and meets local agency requirements.

Pressure Grouting Well Destruction Procedures

Due to the potential close proximity of wells to buried utility lines, subsurface structures or surface structures, wells may be destroyed in place by pressure grouting. Prior to pressure grouting a well, the total depth of the well's casing is measured and compared to the well's original borelog and construction details to verify that obstructions are not present. If present, obstructions that would prevent adequate filling of the well must be removed before pressure grouting. An agency-specified sealing material is then pumped under pressure into the casing of the well. Pressure grouting must be continued until a sufficient amount of sealing material has been emplaced to ensure that the sand filter pack and well casing are filled to within 5 feet of surface grade. The amount of sealing material needed can be calculated using the following equation:

$$\text{Sealant (cubic feet)} = L * (R_b^2 + 2.1*R_c^2)$$

Where L is the length of casing (feet) to be filled (total length minus 5 feet),
R_b is the radius (feet) of the borehole and
R_c is the radius (feet) of the casing.

After the seal hardens, the well casing is removed to a depth required by client or local agency. The open hole is backfilled with 3 feet of hydrated bentonite chips followed by 1½ feet of sand to approximately 6 inches bgs. The remaining hole is completed with material that best matches existing surface conditions and meets local agency requirements.

Soil Sampling Procedures

If drilling has not been recently conducted at the site, Cardno collects a profile sample from the soil cuttings using a 6-inch long brass sleeve. The brass sleeve is sealed with Teflon™ tape, capped, placed in a cooler chilled to 4º Celsius and transported to a state-certified laboratory under proper chain-of-custody protocol.

Air Monitoring Procedures

Cardno performs a field evaluation for volatile hydrocarbon concentrations in the breathing zone using a calibrated photo-ionization detector or lower explosive level meter.

Waste Treatment and Soil Disposal

Soil cuttings generated from the well destruction are stored on site in labeled, Department of Transportation-approved, 55-gallon drums or other appropriate storage container. The soil is removed from the site and transported under manifest to a client- and regulatory-approved facility for recycling or disposal. Decontamination fluids are stored on site in labeled, regulatory-approved storage containers. Fluids are subsequently transported under manifest to a client- and regulatory-approved facility for disposal or treated with a permitted mobile or fixed-base carbon treatment system.

APPENDIX C

PERMITS

APPLICATION FOR DRILLING PERMIT

Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551
(925) 454-5000
wellpermits@zone7water.com

For Office Use

Permit No.: 2016016	Permit Date: 2/23/16	Receipt No.: 719124	Well No.: see attached

For Applicant to Complete

Applicant: Cardno	Client: Exxon Mobil Oil Corporation
Address: 601 North McDowell Blvd	Address: 4096 Piedmont Avenue
City, State, Zip: Petaluma, CA, 94954	City, State, Zip: Oakland, CA, 94611
Phone: (707) 766-2000 Email: janice.jacobson@cardno.com	Phone: (510) 547 - 8186 Email: jennifer.c.sedlachek@exxonmobil.com

Site

Project Location: Former Exxon 73399 - 2991 Hopyard Road, Pleasanton,CA	Is Client the Property Owner?: Y / N (If not, attach Prop. Owner Info)
	Assessor's Parcel Number: 946-3324-3
GeoTracker or EnviroStor ID: T0600100537	Latitude: 37.676146 Longitude: -121.896471

Project Type

- ☐ Well Construction ($397/well)
- ☒ Well Destruction ($397/well)

Proposed or Previous Well Use:

- ☐ Domestic
- ☐ Irrigation
- ☐ Cathodic Protection
- ☐ Geothermal
- ☐ Inclinometer
- ☐ Municipal
- ☐ Dewatering
- ☐ Industrial
- ☒ Monitoring
- ☐ Other: _____

- ☐ Exploratory Borings ($265/site)

Type of Investigation:

- ☐ Geotechnical
- ☐ Environmental
- ☐ Soil Vapor
- ☐ Other: _____

- ☐ Remediation System ($265/site)

Type of System:

- ☐ Groundwater Extraction
- ☐ Vapor Extraction
- ☐ In-Situ Treatment
- ☐ Other: _____

Drilling

Drilling Method

- ☐ Mud Rotary
- ☐ Air Rotary
- ☐ Cable Tool
- ☐ Hollow Stem Auger
- ☐ Direct Push
- ☐ Other: NA

Drilling Company: Cardno

Driller's C57 License No.: 997036

Well Specs.

Owner Well ID	Borehole Diameter	Casing Material	Casing Diameter	Surface Seal Depth	Total Well Depth
See attached					

For Well Destruction Projects

Destruction Method: ☐ Perforate (Mills Knife) ☒ Pressure Grout ☐ Drill Out ☐ Other: _____

For Exploratory Boring Projects

Number of Borings:	Borehole Diameter:	Maximum Depth:	Estimated Depth-to-Water:

For All Projects

Estimated Starting Date: March 2016	Estimated Completion Date: approx 2 weeks

* Please attach a Site Plan including all proposed drilling locations, existing wells, significant site features, and adjacent streets *

I hereby agree to comply with all requirements of this permit (see Page 2) and Alameda County Ordinance No. O-2015-20.

Applicants Signature: _____ Date: 2/18/16

For Office Use

Approved: Wyman Hong Date: 2/23/16

Rev 01/20/2016

THE CITY OF PLEASANTON

ENCROACHMENT PERMIT

-Inspections must be requested 24 Hours prior to Starting Work-

Call (925) 931 - 5680

Project Address	Parcel #	Permit #	Applicant
2991 HOPYARD RD PLEASANTON, CA 94566	946 332400300	**E16-0126**	CARDNO INC

Project: ENCR Permit for Monitoring Wells Abandonment at 2991 Hopyard Rd

Owner	Contractor
VLROPLEASANTON LLC	CARDNO INC
4072 19TH ST, SAN FRANCISCO CA 94114	25371 COMMERCENTER DRIVE #250
	LAKE FOREST, CA 92630 (949) 457-8950
	License #: 997036 **Expires:** 9/30/2016

Scope of Work

Abandon five monitoring wells MW5S, MW5D, MW12A, MW13 and MW14 at the old Exxon site shown on the attached vicinity map. Well vaults will be removed and boreholes patched to match surface conditions. Work shall comply to the attached Zone 7's Drilling Permit and City's Conditions for Encroachment Permit.

Contact: Janice Jacobson 707-766-2000

Issuance Comments

Total Fees:	**$318.00**
Total Payments:	**$318.00**

All work to be performed to City of Pleasanton Standard Details and Specifications. This permit is issued pursuant to all provisions of the City of Pleasanton Municipal Code, Chapter 13.04, Encroachment.

Issued By: Sidi Cruz **Date of Issue:** 2/25/2016

Applicant/Agent: JANICE JACOBSON

Building: (925) 931-5300 Planning: (925) 931-5600 Engineering: (925) 931-5650 Construction Insp.: (925) 931-5680