



Stantec Consulting Services Inc.
3017 Kilgore Road Suite 100, Rancho Cordova, CA 95670
(916) 861-0400

RECEIVED

By Alameda County Environmental Health at 11:43 am, Feb 02, 2015

January 30, 2015

Mr. Jerry Wickham
Alameda County Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RE: **Enclosed Well Destruction Report**
7-Eleven Store #32266
1339 North Vasco Road
Livermore, CA 94551
Stantec Project #:185750084

Dear Mr. Wickham:

Stantec Consulting Services Inc. has been designated as Limited Agent of 7-Eleven, Inc. (7-Eleven) for the purposes of executing and delivering instruments and documents on behalf of 7-Eleven (see attached Limited Authorization form).

We declare, under penalty of perjury, that the information and/or recommendations contained in the attached assessment report are true and correct to best of our knowledge.

Should you have any questions regarding this site, please contact the undersigned at (916) 384-0706.

Sincerely,
Stantec Consulting Services Inc.

Danielle Manning
Associate Scientist
Project Manager

Amanda Magee, P.G.
Associate Geologist

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Stantec Consulting Services Inc.

3017 Kilgore Road, Suite 100, Rancho Cordova CA 95670-6150
(916) 861-0400

January 30, 2015
File: 185750084

Attention: Mr. Jerry Wickham

Alameda County Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Reference: Well Destruction Report

7-Eleven Store #32266
1339 North Vasco Road
Livermore, California

Dear Mr. Wickham,

This report was prepared by Stantec Consulting Services Inc. (Stantec) on behalf of 7-Eleven, Inc., to document the destruction of groundwater monitoring wells associated with the environmental activities at the 7-Eleven Store #32266, located at 1339 North Vasco Road, in Livermore, California (Figures 1 and 2). This work was completed as requested by Alameda County Environmental Health (ACEH) in a letter dated October 15, 2014 (Attachment A).

HEALTH AND SAFETY

Stantec modified our existing site-specific Health and Safety Plan for the scope of work as required by the Occupational Safety and Health Administration Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The document was reviewed and signed by Stantec personnel and subcontractors prior to performing work at the site.

PERMITTING AND UTILITY CLEARANCE

Stantec obtained a well destruction permit from the Zone 7 Water Agency (Zone 7); a copy of the permit is included in Attachment B. Prior to conducting subsurface work at the site, Underground Service Alert was contacted to delineate subsurface utilities near the site with surface markings. In addition, Cruz Brothers, Inc., a private utility locator service, was used to delineate subsurface utilities at the site on December 18, 2014.

WELL DESTRUCTIONS

On January 6 and 7, 2015, Stantec supervised the destruction of five groundwater monitoring wells (MW-1 through MW-5) by National Exploration, Wells, and Pumps (National EWP) of Richmond, California (Figure 2 and Table 1). Well destructions were performed under the supervision of Zone 7 personnel.



January 30, 2015
Mr. Jerry Wickham
Page 2 of 3

**Reference: Well Destruction Report
7-Eleven Store #32266
1339 North Vasco Road
Livermore, California**

The wells were destroyed by pressure grouting, which consisted of filling the well and filter pack with neat cement grout through a tremie pipe from total depth to approximately two feet below ground surface (bgs). The grout was allowed to settle and then topped off before pressure was applied to the wells at 25 pounds per square inch for five minutes. After applying pressure at each well, area around the well was cleared to three feet bgs using an air knife and vacuum truck. The casing was then cut at two feet bgs and grout was poured to surround the casing and create a "mushroom cap" around the well casing to 1.5 feet bgs. Native soil was used to fill the remaining void, and the surface was finished with a temporary concrete cap to match existing grade. MW-4 was capped with a temporary asphalt patch. Permanent hot asphalt patching of the locations of former wells MW-1 through MW-4 and the permanent concrete sidewalk panel replacement at the location of former well MW-5 is scheduled to occur at a later date.

Copies of the field notes summarizing well destruction activities are provided in Attachment C. Copies of the California Department of Water Resources (DWR) Well Completion Reports are provided in Attachment D.

WELL DESTRUCTION WASTE

Well destruction debris (concrete, PVC piping, and well boxes) generated during well destruction activities was temporarily stored onsite in properly labeled 55-gallon drums and was removed from the site by Belshire Environmental, Inc. on January 21, 2015 for disposal at the Philadelphia Recycling Mine in Mira Loma, California. A copy of the Bill of Lading is included in Attachment E. No other waste was generated as part of this field work.

LIMITATIONS

This letter report was prepared by Stantec for the account of 7-Eleven, Inc. (the "Client"). Any reliance on this document by any third party is strictly prohibited. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.



January 30, 2015
Mr. Jerry Wickham
Page 3 of 3

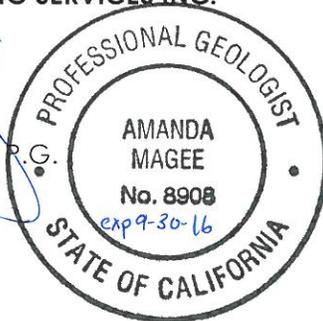
**Reference: Well Destruction Report
7-Eleven Store #32266
1339 North Vasco Road
Livermore, California**

Should you have any questions regarding this work plan, please contact Danielle Manning, Project Manager, at (916) 384-0706.

Regards,

STANTEC CONSULTING SERVICES INC.


Amanda S. Magee, P.G.
Associate Geologist



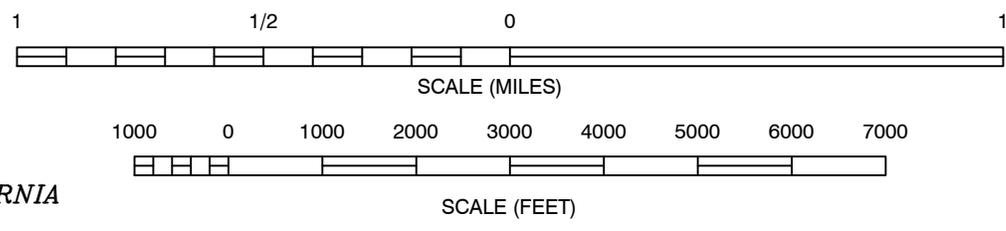
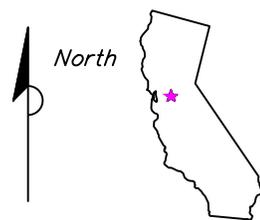
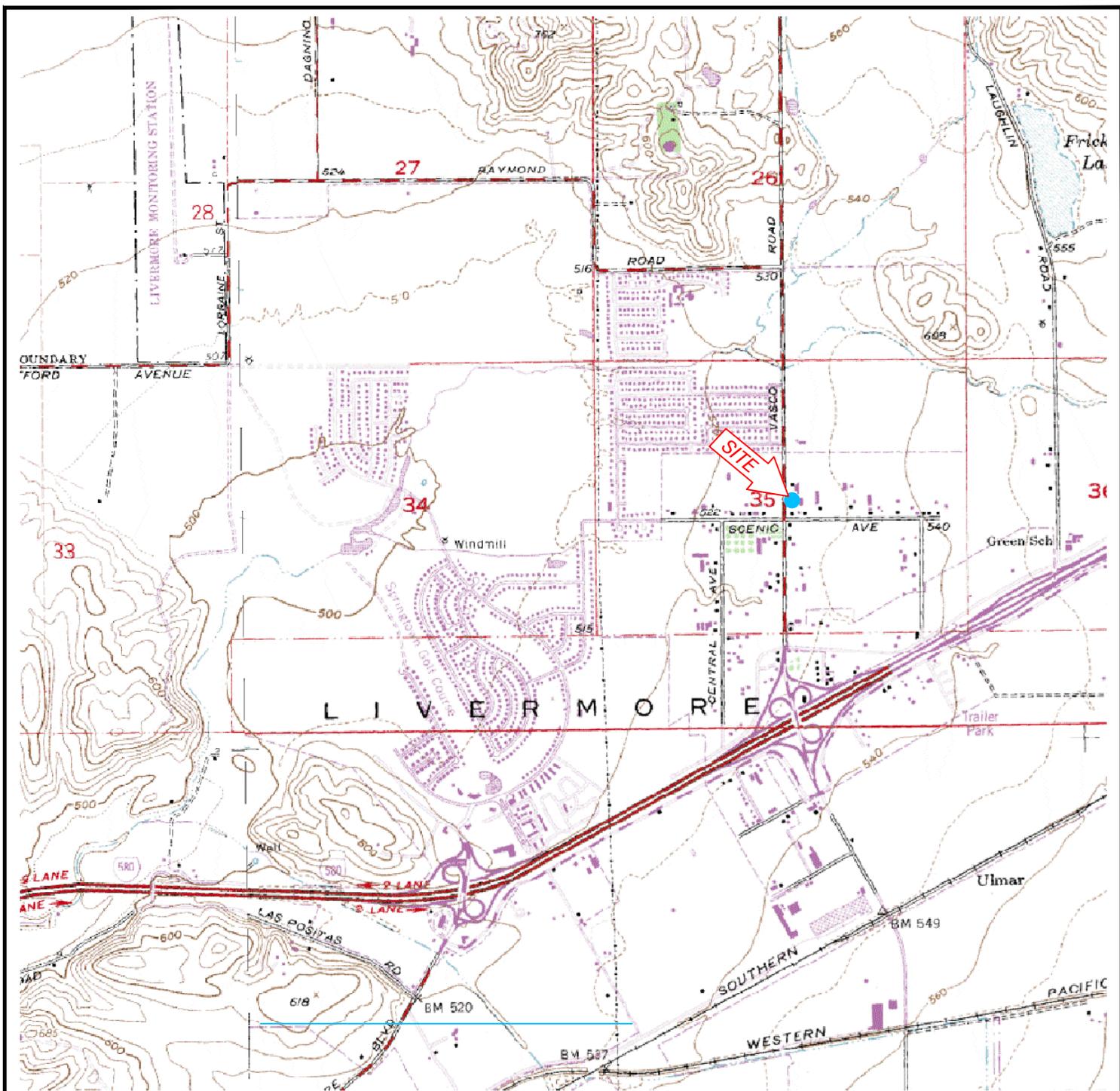

Danielle Manning
Associate Scientist
Project Manager

Attachments: Figures
Table
Attachment A – Regulatory Correspondence
Attachment B – Permit
Attachment C – Field Notes
Attachment D – Well Completion Reports
Attachment E – Bill of Lading

c. Mr. Wyman Hong, Zone 7 Water Agency
CRWQCB – San Francisco Bay Region (via Geotracker)
Mr. Jose Rios, 7-Eleven, Inc. c/o Mr. John Wainwright, Stantec

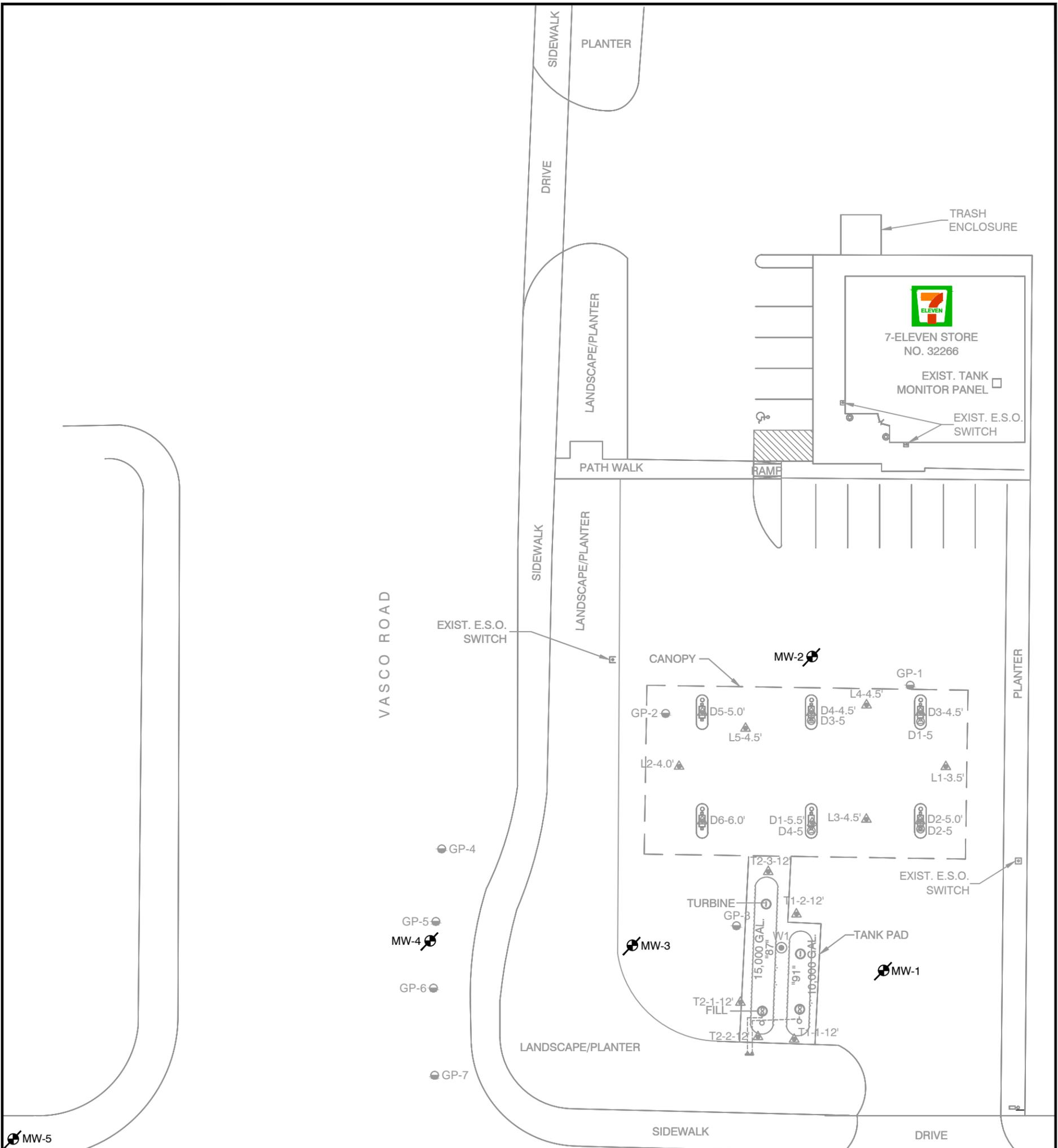
v:\1857\active\7-eleven\active\185750084_711_32266\05_report_deliv\reports\32266_2015_01_30_welldestruction_report.docx

Figures



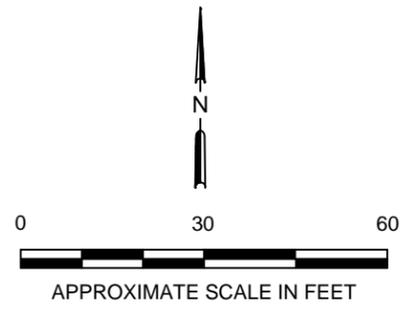
REFERENCE: USGS 7.5 MINUTE QUADRANGLE, LIVERMORE, CALIFORNIA

	FOR:  STORE NO. 32266 1339 NORTH VASCO ROAD LIVERMORE, CALIFORNIA		SITE LOCATION MAP		FIGURE: 1
	JOB NUMBER: 185750084	DRAWN BY: STA	CHECKED BY: DL	APPROVED BY: ASM	DATE: 03/06/13



LEGEND:

- MW-1 DESTROYED GROUNDWATER MONITORING WELL
- W1 UST EXCAVATION WATER SAMPLE LOCATION
- GP-1 GEOPROBE SAMPLE LOCATION
- L5-4.5' 2005 SOIL SAMPLE LOCATION
- D1-5 2008 SOIL SAMPLE LOCATION



REFERENCE: THIS FIGURE IS BASED ON AN AERIAL SURVEY PROVIDED BY STANTEC CONSULTING SURVEYING GROUP

No warranty is made by Stantec Consulting Services Inc. as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.

	FOR:	 STORE NO. 32266 1339 NORTH VASCO ROAD LIVERMORE, CALIFORNIA		SITE PLAN		FIGURE:
	JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:	2
	185750084	STA	ASM	ASM	01/12/15	

Table

Table 1
Soil Boring Details
 7-Eleven Store #32266
 1339 North Vasco Road
 Livermore, California

Well I.D.	Drill Date	Boring Depth (feet bgs)	Well Diameter (inches)	Screen		Screen Length (feet)	Comments
				Top (feet bgs)	Bottom (feet bgs)		
Soil Borings							
GP-1	04/20/10	20	--	--	--	--	
GP-2	04/20/10	25	--	--	--	--	
GP-3	04/20/10	30	--	--	--	--	
GP-4	07/10/12	25	--	--	--	--	Off-site soil boring
GP-5	07/10/12	25	--	--	--	--	Off-site soil boring
GP-6	07/11/12	25	--	--	--	--	Off-site soil boring
GP-7	07/12/12	25	--	--	--	--	Off-site soil boring
Monitoring Wells							
MW-1	02/23/11	20	2	5	20	15	Destroyed 1/7/15
MW-2	02/24/11	20	2	5	20	15	Destroyed 1/7/15
MW-3	02/23/11	25	2	5	20	15	Destroyed 1/7/15
MW-4	09/07/12	20	2	5	20	15	Destroyed 1/6/15
MW-5	06/18/13	20.25	2	5	20	15	Destroyed 1/6/15
Explanation							
bgs = Below ground surface							
-- = Data Not Available/Not Applicable							

Attachment A

Regulatory Correspondence



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

October 15, 2014

Mr. Jose Rios
7-Eleven, Inc.
One Arts Plaza
1722 Routh Street, Suite 1000
Dallas, TX 75201
(Sent via E-mail to: jose.rios@7-11.com)

Mr. Michael Blau
Michael H. Blau Trust
PO Box 2768
Danville, CA 94526

Subject: Well Destruction for Fuel Leak Case No. RO0002999 and GeoTracker Global ID T10000001067, 7 Eleven #32266, 1339 North Vasco Road, Livermore, CA 94551

Dear Mr. Rios and Mr. Blau:

Alameda County Environmental Health (ACEH) 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 October 14, 2014. Please destroy the monitoring wells and provide documentation of the well destruction and waste disposal to this office no later than February 8, 2015. 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) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Jerry Wickham), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

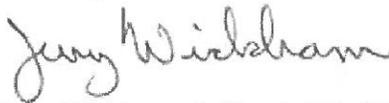
- **February 8, 2015** – Well Destruction Report
File to be named: WELL_DCM_R_yyyy-mm-dd RO2999

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.

Responsible Parties
RO0002999
October 15, 2014
Page 2

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Case files can be reviewed online 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 Jerry Wickham
DN: cn=Jerry Wickham, o=Alameda County Environmental
Health, ou, email=jerry.wickham@acgov.org, c=US
Date: 2014.10.15 09:58:27 -07'00'

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachment: 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*)

Danielle Manning, Stantec Consulting Corporation, 3017 Kilgore Road, Suite 100, Rancho Cordova, CA 95670 (*Sent via E-mail to: danielle.manning@stantec.com*)

Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)
GeoTracker, eFile

Attachment B

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
7-Eleven #32266 - 1339 North Vasco Road, Livermore

PERMIT NUMBER 2014189
WELL NUMBER 2S/2E-35G9 to 35G13 (MW-1 to MW-5)
APN 99B-8122-001-00

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: _____ ft. LONG: _____ ft.
APN _____

PERMIT CONDITIONS (Circled Permit Requirements Apply)

CLIENT
Name 7-Eleven, Inc., Jose Rios, Manager Environ. Services
Address P.O. Box 711 Phone (972) 828-6592
City Dallas, TX Zip 75221-0711
Permit Coordinator: Debbie Lichtenberger (916) 384-0724
APPLICANT
Name Stantec Consulting Services Inc.
Email debbie.lichtenberger@stantec.cc Fax (916) 861-0430
Address 3017 Kilgore Road, Suite 100 Phone 861-0400
City Rancho Cordova, CA Zip 95670

- 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.

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

- 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.

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

- 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 _____

- 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.

DRILLING COMPANY National Exploration, Wells & Pumps
DRILLER'S LICENSE NO. 953646

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

WELL SPECIFICATIONS: See attached details for MW-1 through MW-5
Drill Hole Diameter _____ in. Maximum _____
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

- F. WELL DESTRUCTION. See attached.

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

ESTIMATED STARTING DATE To be scheduled After December 1, 2014
ESTIMATED COMPLETION DATE To be completed prior to February 6, 2015

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 [Signature] Date 11/20/14

Approved [Signature] Date 12/19/14
Wyman Hong

ATTACH SITE PLAN OR SKETCH

December 19, 2014

**Zone 7
Water Resources Engineering
Groundwater Protection Ordinance**

**7-Eleven, Inc.
1339 North Vasco Road
Livermore
Wells 2S/2E-35G9 to 2S/2E-35G13 (MW-1 to MW-5)
Permit 2014189**

Destruction Requirements:

1. Remove from the well any pump, appurtenances, debris, or other materials.
2. Sound the well as deeply as practicable and record for your report.
3. Fill casing with neat cement or cement grout sealing material to two feet below the finished grade and pressurize to 25 psi and maintain for 5 minutes, forcing the sealing material through the existing perforations and into the surrounding formation.
4. Release the pressure and refill the empty portion of the casing with grouting material allowing it to spill over the top of the casing to form a cap.
5. Cut and remove any casing(s) to two feet below the finished grade or original ground, whichever is the lower elevation (optional).
6. After the seal has set, backfill the remaining hole with compacted material.

Attachment C

Field Notes

JOB NAME:	7-11 #32266	JOB NUMBER:	185750084.400.1024
SITE ADDRESS:	1339 North Vasco Road	START DATE:	1/6/2015
	Livermore, CA	DATE PREPARED:	12/23/2014
PREPARED FOR:	Brian Branscum	PREPARED BY:	Amanda Magee

SITE VISITATION REPORT

Name(s) Brian Branscum Date: 1/6/15 / 1/7/14 Did you call in? Yes No
 Arrival Time: 0815/0800 "Departure Time: 1500 / 1400 Who did you call? Amanda Magee
 Weather Notations: SUN CLOUDY RAIN SNOW Temperature: 40-50's F

*No soil waste generated

STANTEC'S ENVIRONMENTAL:

Purge Water 0
 Soil 0
 Concrete/Debris 2
 Other 0
 Empty 0

DRUM INVENTORY

7-ELEVEN'S FACILITY:

Locked/Labeled HAZ 2
 Other 0
 Other 0

TOTALS:

Total Open Top 4
 Total Bung Top 0

Please take a picture of anything not clearly labeled

HEALTH AND SAFETY ASSESSMENT

PPE, HASP, Hospital Route, Vehicle/Foot Traffic, Delivery Trucks, Slips/Trips/Falls, Traffic Control, Scope of work, Hydration

CALIBRATION

1/6/15

DESCRIPTION OF ACTIVITIES ONSITE AND NOTES

0615-0815-Truck inspection, drove to site.

0815-0845-Met w/ National EWP Air-Knife crew, and Traffic Control (DTC) crew. Tailgate meeting, started paperwork, discussed scope of work.

0845-1115-DTC Setup traffic control for mw-5, NEWP setup on well after traffic control was in place. NEWP tagged DTB on mw-5 @ 20.00'. Crew then grouted well to ~2' bgs, applied 25 PSI @ well head for 5 minutes. Crew then used air-knife/vacuum to clear around well casing to 3' bgs. NEWP crew cut well casing @ 2' bgs, and "mushroom capped" over casing, filled the remaining 1.5' w/ native soil and concrete capped to surface level.

1115-1145-NEWP All lunch.

1145-1215-DTC crew setup TC for mw-4.

1215-1415-NEWP crew setup on mw-4, ~~performed~~ tagged DTB of well (~20.00'). Following same procedures as mw-5, NEWP crew performed well destruction for mw-4. Placed cold patch of asphalt for patch.

1415-1445-DTC took down traffic control for mw-4. NEWP crew having problems with Air-Knife rig battery, we decided they should get it replaced and we would finish remaining wells tomorrow.

1500 - All off site @ 1500.

Attachment D

Well Completion Reports

Attachment E

Bill of Lading

