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By Alameda County Environmental Health at 11:39 am, Mar 27, 2015

March 25, 2015

Mr. Keith Nowell
Alameda County Health Care Services
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: Well Destruction, Waste Management and Site Closure Report _RO0002933
1409 – 1417 12th Street, Oakland, California

Dear Mr. Nowell:

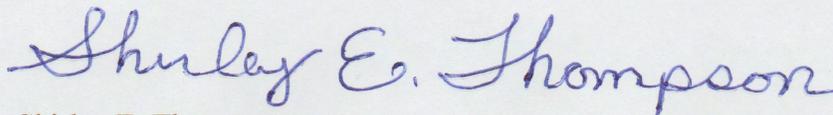
Attached is the Well Destruction, Waste Management and Site Closure Report _RO#2933 for the property located at 1409 – 1417 12th Street, Oakland, California.

Certification

I certify under penalty of law that this document and attachments are prepared under my direction or supervision in accordance with the system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing the violations.

Please contact Joseph Cotton at (510)703-5420 if you have questions or comments.

Sincerely,



Shirley E. Thompson
Property Owner

WELL DESTRUCTION and WASTE MANAGEMENT REPORT

**1409 – 1417 12th Street
OAKLAND, CALIFORNIA**

ACEH File No. RO2933

Prepared for

**Shirley Thompson
1155 Hopkins Street
Berkeley, CA 94702**

March 23, 2015

Prepared by

IES
Impact Environmental Services

39120 Argonaut Way, Suite 223
Fremont, California 94538

Well Destruction and Waste Management Report
1409-1417 12TH Street
Oakland, California
ACEH File No. RO2933

On behalf of Mrs. Shirley E. Thompson, Impact Environmental Services (IES) is presenting this report documenting site closure activities including decommissioning of eleven groundwater monitoring wells, eight dual-phase vacuum extraction (DPE) wells, and seven soil-vapor monitoring wells. This report also presents documentation of management and disposal of investigation derived waste (IDW). Corrective actions have been completed at the subject property and the site is being recommended for corrective action closure by the Alameda County Environmental Health (ACEH)¹ and the San Francisco Bay Regional Water Quality Control Board (RWQCB). A Site Vicinity Map is presented on Figure 1.

WELL DECOMMISSIONING ACTIVITIES

Nineteen groundwater monitoring wells and dual-phase vacuum extraction (DPE) wells were decommissioned from the 1409-1417 12th Street in Oakland during the week of January 5th, 2015, by HEW Drilling (HEW) of East Palo Alto, California. A list of the decommissioned wells is presented in Table 1 and well locations are shown on Figure 2.

Groundwater monitoring wells and DPE wells were decommissioned in accordance with the California Department of Water Resources Bulletins 74-81 *Water Well Standards: State of California* and 74-90, *California Well Standards*, and the requirements of Alameda County Department of Public Works (ACPW). An Impact geologist licensed by the State of California observed and documented the destruction of each well. ACPW staff was notified in advance of

¹ Alameda County Environmental Health Services-Environmental Protection, *Fuel Leak Case No. RO0002933-Geotracker Global I.D. T0600158621, Thompson Property, 1409-1417 12th Street, Oakland, CA 94607*, December 23, 2014.

well destruction activities and observed the grouting of the wells. Well destruction permits were obtained from CCEH prior to the well destruction activities and are attached in Appendix A.

Wells were checked for obstructions prior to starting the destruction of each well. Well casing lengths were measured and compared to reported well depths to verify the absence of any obstructions in the wells. The wells concrete apron and protective well box were removed and the well casings, filter pack material, bentonite, and neat cement grout were over-drilled to at least one-foot below the bottom of the well borings using 8-inch diameter hollow-stem augers (HSA) for injection wells and 2-inch diameter groundwater monitoring wells, and 10-inch diameter augers for 4-inch diameter groundwater wells. A tremie pipe was lowered to the bottom of the over-drilled wellbores with standing water and neat cement grout was pumped from the bottom to the surface. Neat cement grout was poured from a 55-gallon drum at the surface into dry well bores until the grout reach the surface. The grout was allowed to settle and the well bores were topped-off to the surface.

WASTE MANAGEMENT AND DISPOSAL

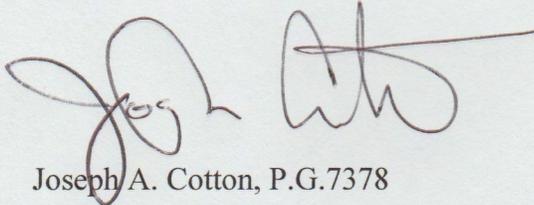
All investigation derived waste materials were stored in 55-gallon drums, labeled, and disposed by Ponder Environmental Services Corporation (Ponder) of Benicia, California. Hazardous waste manifests and bill of laden receipts are attached in Appendix B.

REMEDIATION SYSTEM CONTAINMENT BUILDING DEMOLITION

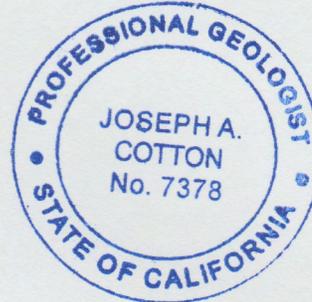
In early February 2015, AEI Construction of Lafayette, California demolished the cinder-block and steel enclosure that was used to house the Dual-Phase Vacuum Extraction Trailer and groundwater treatment system. The steel-slatted roof and steel gate were dismantled and recycled for future use. The cinder-block walls of the enclosure were demolished and the cinder blocks and concrete floor were broken into manageable sized concrete blocks and recycled off-site. Two-inch PVC piping associated with the subsurface DPE extraction system were capped near each well and just outside the containment building.

If you have questions or require additional information, please contact us me at (510) 703-5420.

Impact Environmental Services



Joseph A. Cotton, P.G.7378
Principal Geologist



Attachments:

Tables

Table 1- Groundwater Monitoring Well Construction/Destruction Details

Figures

Figure 1- Site Vicinity Map

Figure 2- Map Site Plan

Figure 3- Map Showing Decommissioned Groundwater Monitoring Wells

Figure 4- Map Showing Decommissioned Dual-Phase Vacuum Extraction Wells

Figure 5- Map Showing Decommissioned Soil-Vapor Monitoring Wells

Appendices

Appendix A- Alameda County Public Works Well Destruction Permits

Appendix B- Waste Management & Disposal Documents

LIMITATIONS

Impact Environmental Services actions on this project were performed in accordance with current generally accepted environmental consulting principles and practices. This warranty is in lieu of all others, be it expressed or implied. Environmental conditions may exist at the site that could not be observed. Where the scope of services was limited to observations made during site reconnaissance, interviews, and/or review of readily available reports and literature, our conclusions and recommendations are necessarily based largely on information supplied by others, the accuracy and sufficiency of which may not have been independently reviewed by us. Our professional analyses are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions between such sampling points. Additional data from future work or changing conditions may lead to modifications to our professional opinions and recommendations. Any reliance on this report, or portions thereof, by a third party shall be at such party's sole risk.

Table 1
Groundwater Monitoring Well, DPE Well, and SV Well Destruction Construction Details
1409-1417 12th Street Oakland, California

Well Number	TOC	Well Location		Total Depth Drill-Out (feet, bgs)	Total Depth of Well (feet, bgs)	Casing Diameter (inches)	Casing Material (gauge/type)	Screened Interval (feet, bgs)	Slot Size (inches)	Filter Pack Size	Bentonite Seal (feet, bgs)	Sanitary Seal (feet, bgs)
	Elevation (feet)	Northing	Easting									
	NAVD88	NAD83	NAD83									
MW-1	21.49	37.8088602	-122.2926636	15	13.92	2	SCH40 PVC	BOH - 6	0.010	#2/12	5 - 4	4 - Surface
MW-2	20.61	37.8090210	-122.2927461	15	13.91	2	SCH40 PVC	BOH - 6	0.010	#2/12	5 - 4	4 - Surface
MW-3	21.09	37.8089672	-122.2926514	15	13.59	2	SCH40 PVC	BOH - 6	0.010	#2/12	5 - 4	4 - Surface
MW-4	20.35	37.8089714	-122.2924800	15	13.90	2	SCH40 PVC	BOH - 6	0.020	#3	5 - 4	4 - Surface
MW-5	20.05	37.8091233	-122.2927183	15	13.87	2	SCH40 PVC	BOH - 6	0.020	#3	5 - 4	4 - Surface
MW-6	19.67	37.8081279	-122.2925899	15	14.44	2	SCH40 PVC	BOH - 6	0.010	#2/12	5 - 4	4 - Surface
MW-7	19.88	37.8090964	-122.2924472	15	13.81	2	SCH40 PVC	BOH - 6	0.010	#2/12	5 - 4	4 - Surface
MW-8*	20.71	37.8090245	-122.2926416	29	27.55	2	SCH40 PVC	BOH - 6	0.010	#2/12	5 - 4	4 - Surface
GW-1	20.23	37.8090591	-122.2926359	19	17.05	4	SCH40 PVC	BOH - 6	0.010	#2/12	5 - 4	4 - Surface
GW-2	20.57	37.8090554	-122.2926970	19	17.00	4	SCH40 PVC	BOH - 10	0.010	#2/12	9 - 8	8- Surface
GW-3	20.57	37.8090566	-122.2925325	20	17.98	4	SCH40 PVC	BOH - 10	0.010	#2/12	9 - 8	8- Surface
DPE-1	19.52	37.8090900	-122.2926713	22	20	4	SCH40 PVC	BOH - 10	0.010	#2/12	9 - 8	8- Surface
DPE-1B	19.85	37.8090414	-122.2926366	29	27	4	SCH40 PVC	BOH - 10	0.010	#2/12	9 - 8	8- Surface
DPE-2	19.51	37.8090907	-122.2926179	22	20	4	SCH40 PVC	BOH - 10	0.010	#2/12	9 - 8	8- Surface
DPE-2B	20.00	37.8089959	-122.2926414	29	27	4	SCH40 PVC	BOH - 6	0.020	#3	5 - 4	4 - Surface
DPE-3	19.4	37.8090791	-122.2925055	22	20	4	SCH40 PVC	BOH - 6	0.020	#3	5 - 4	4 - Surface
DPE-5	20.02	37.8090318	-122.2926756	22	20	4	SCH40 PVC	BOH - 6	0.020	#3	5 - 4	4 - Surface
DPE-6	19.54	37.8090250	-122.2925940	22	20	4	SCH40 PVC	BOH - 10	0.020	#3	7 - 8	7- Surface
DPE-7	19.76	37.8090239	-122.2925291	22	20	4	SCH40 PVC	BOH - 10	0.020	#3	7-8	7 - Surface
CSV-1	NA	NA	NA	7	5	1/8	Teflon Tubing	BOH - 5	Aquarium Filter	#3	5 - 4	4- Surface
CSV-2	NA	NA	NA	7	5	1/8	Teflon Tubing	BOH - 5	Aquarium Filter	#3	5 - 4	4- Surface
CSV-3	NA	NA	NA	7	5	1/8	Teflon Tubing	BOH - 5	Aquarium Filter	#3	5 - 4	4- Surface
CSV-4	NA	NA	NA	7	5	1/8	Teflon Tubing	BOH - 5	Aquarium Filter	#3	5 - 4	4- Surface
CSV-5	NA	NA	NA	7	5	1/8	Teflon Tubing	BOH - 5	Aquarium Filter	#3	5 - 4	4- Surface
CSV-6	NA	NA	NA	7	5	1/8	Teflon Tubing	BOH - 5	Aquarium Filter	#3	5 - 4	4- Surface
CSV-7	NA	NA	NA	7	5	1/8	Teflon Tubing	BOH - 5	Aquarium Filter	#3	5 - 4	4- Surface

Notes:

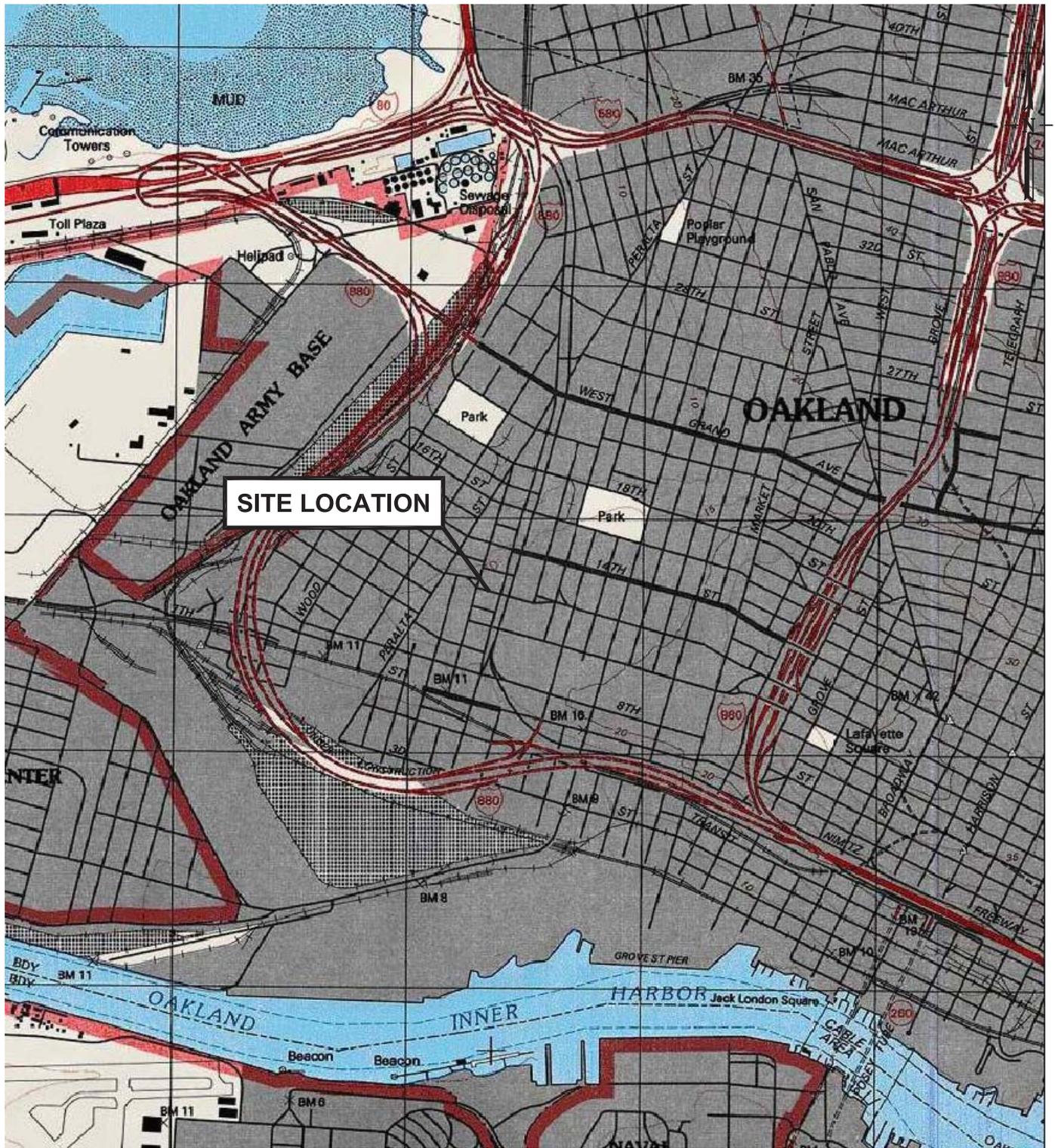
TOC - top of casing

BOH - bottom of well

feet, NAVD88 - feet relative to NAVD88

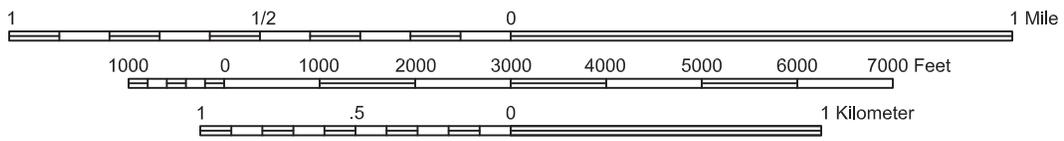
feet, bgs - feet below ground surface

Groundwater Wells GWT-1 and GWT-2 are located at 1267 Filbert Street and are not shown on Figure 2. Although the 1267 Filbert Street property was granted corrective action closure in 2008, these wells were retained for use in the groundwater monitoring program for 1300 Filber Street.



SITE LOCATION

Scale 1:24,000



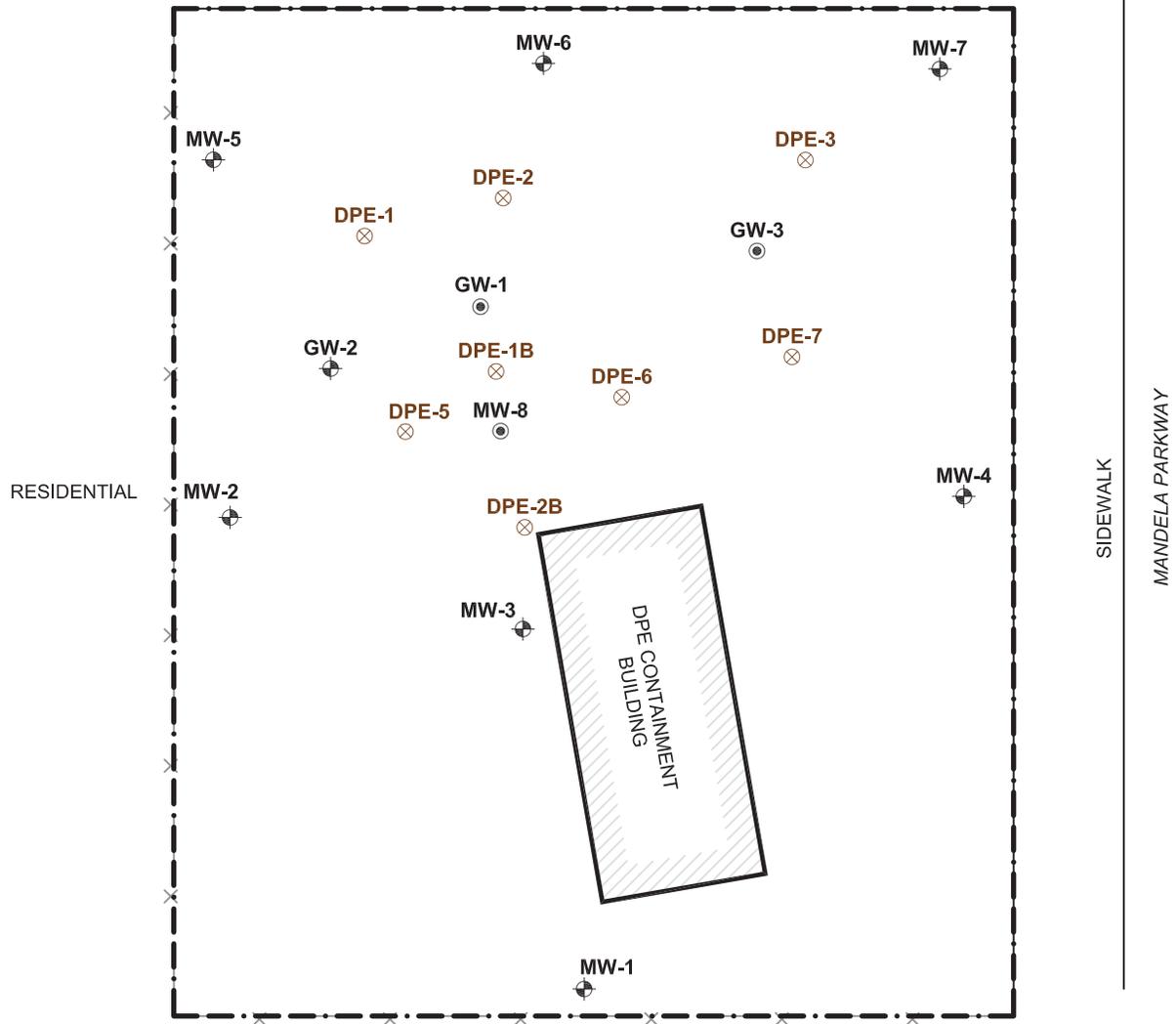
C:\WORK\IES1\409 12th Street\Figure 1.dwg Layout: Fig 2 Sep 22, 2007 - 8:03pm

Impact Environmental Services
 39120 Aronaut Way, Suite 223
 Fremont, CA 94538

Figure 1
 1409 to 1417 12TH STREET
 OAKLAND, CALIFORNIA
SITE LOCATION MAP

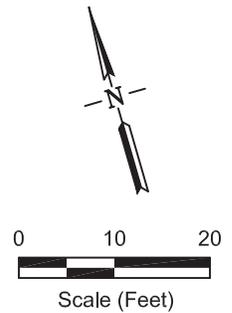
12TH STREET

SIDEWALK



EXPLANATION:

- Approximate Property Boundary
- MW-1 Monitoring Well Location
- GW-3 DPE/Monitoring Well Location (Dual-Use Well)
- DPE-1 DPE Well Location



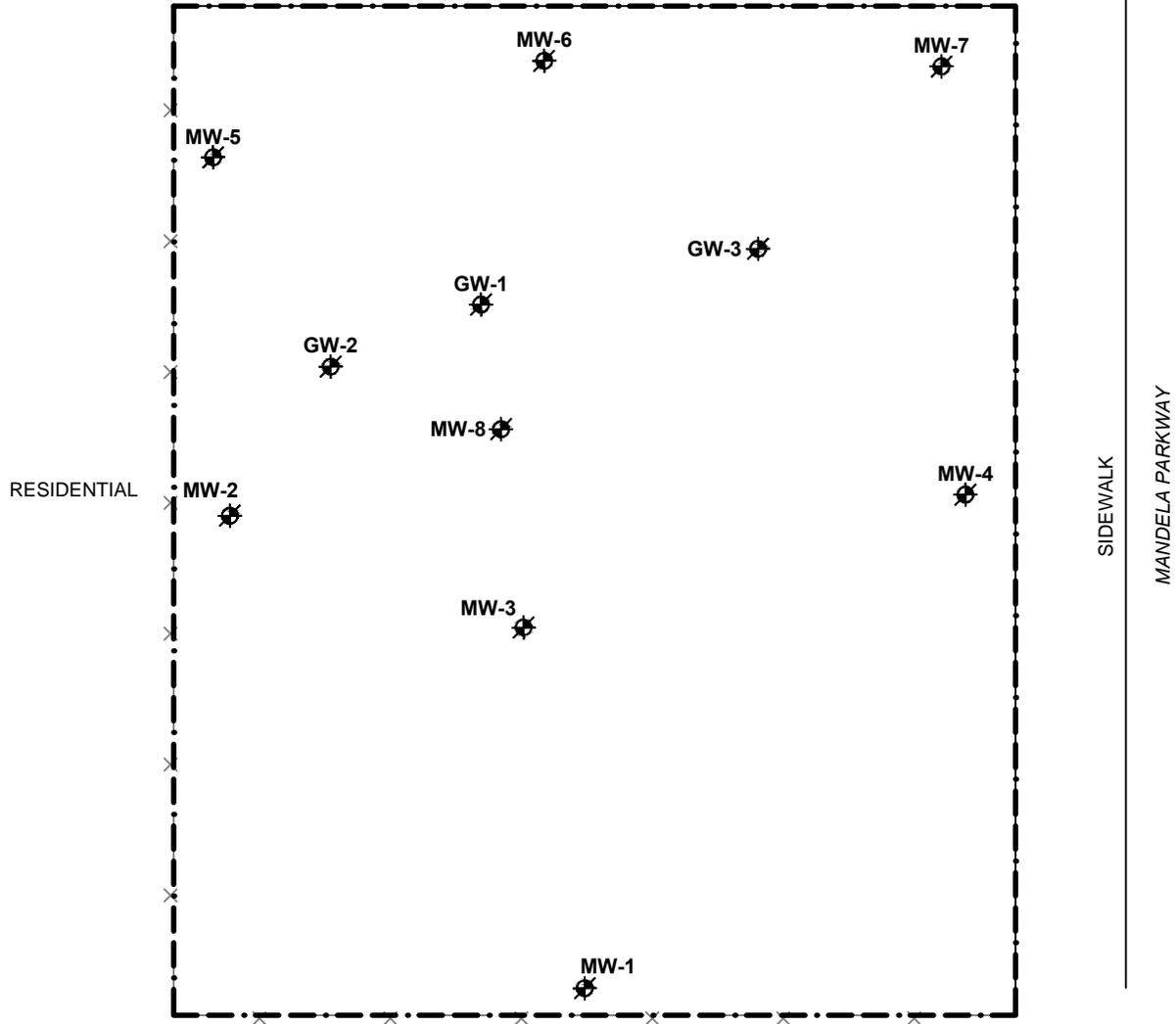
C:\Work\EnviroCAD\IES\1409-1417 12th Street\2010 Annual_GW_Mon_Rpt\Figure 3-8.dwg Layout: Fig 2 - Site Plan Jan 13, 2011 - 8:15pm

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 Fremont, CA 94538

Figure 2
 1409 to 1417 12TH STREET
 OAKLAND, CALIFORNIA
SITE PLAN

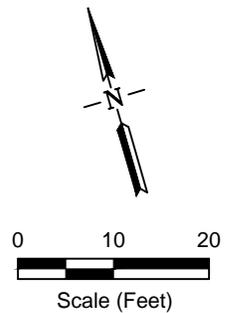
12TH STREET

SIDEWALK



EXPLANATION:

-  Approximate Property Boundary
-  MW-1 Decommissioned Monitoring Well Location



D:\Work\EnviroCAD\IES\1409-1417 12th Street\Site Closure Rpt\Figure 3 - Decommissioned GWW.dwg Layout: Fig 2 - Site Plan Mar 09, 2015 - 8:30pm

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 Fremont, CA 94538

Figure 3
 1409 to 1417 12TH STREET
 OAKLAND, CALIFORNIA
DECOMMISSIONED GROUNDWATER MONITORING WELLS

12TH STREET

SIDEWALK

RESIDENTIAL

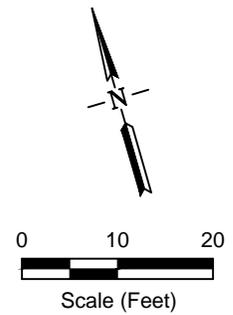
SIDEWALK

MANDELA PARKWAY



EXPLANATION:

-  Approximate Property Boundary
-  Decommissioned DPE Well Location

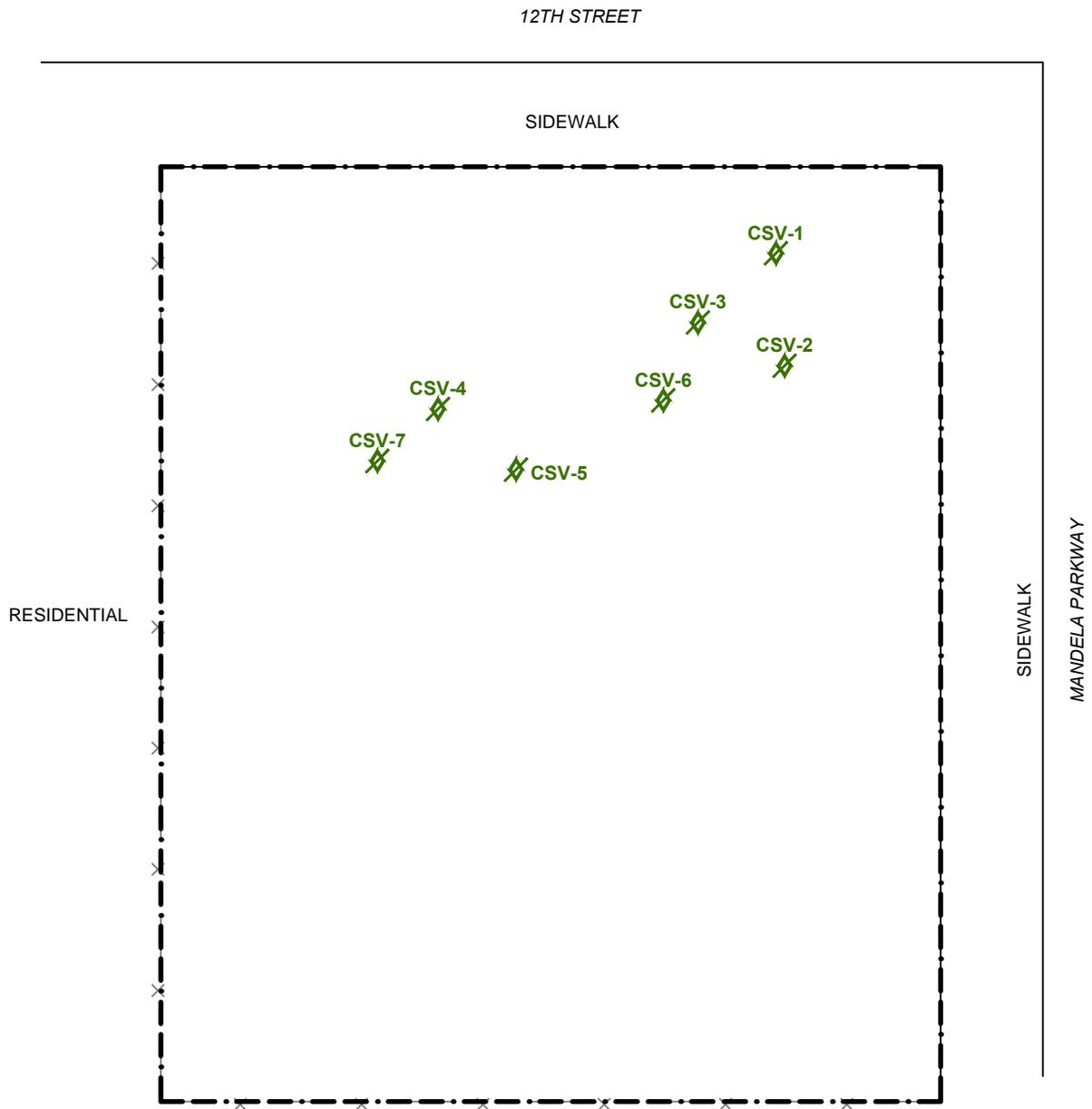


D:\Work\EnviroCAD\IES\1409-1417 12th Street\Site Closure Rpt\Figure 4 - Decommissioned DPE wells.dwg Layout: Fig 2 - Site Plan Mar 09, 2015 - 8:29pm

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 Fremont, CA 94538

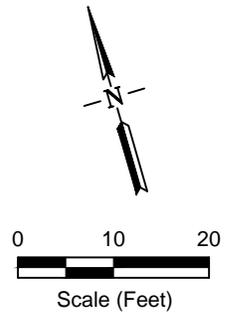
Figure 4
 1409 to 1417 12TH STREET
 OAKLAND, CALIFORNIA
DECOMMISSIONED DUAL-PHASE VACUUM EXTRACTION WELLS

D:\Work\EnviroCAD\IES\1409-1417 12th Street\Site Closure Rpt\Figure 5 - Decommissioned Closure Verification.dwg Layout: F5 Mar 10, 2015 - 8:13pm



EXPLANATION:

-  Approximate Property Boundary
-  Decommissioned Closure Verification Soil Vapor Well Location



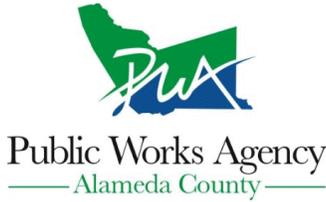
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 39120 Aronaut Way, Suite 223
 Fremont, CA 94538

Figure 5
 1409 to 1417 12TH STREET
 OAKLAND, CALIFORNIA
DECOMMISSIONED CLOSURE VERIFICATION SOIL VAPOR WELLS

APPENDIX A

Alameda County Public Works Well Destruction 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: 11/17/2014 By jamesy

Permit Numbers: W2014-1111 to W2014-1119
Permits Valid from 11/24/2014 to 12/02/2014

Application Id: 1414025506263
Site Location: 1409-1417 12th Street, Oakland, CA
Project Start Date: 11/24/2014
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

City of Project Site:Oakland
Completion Date:12/02/2014

Applicant: Impact Environmental Services - Joseph Cotton
39120 Argonaut Way, #223, Fremont, CA 94538
Property Owner: Shirley E. Thompson
1155 HOPKINS ST., BERKELEY, CA 94702
Client: ** same as Property Owner **
Contact: Cotton Joseph

Phone: 510-703-5420
Phone: 510-527-5702
Phone: 510-703-5420
Cell: --

Total Due: \$3441.00
Total Amount Paid: \$3441.00
Receipt Number: WR2014-0474 Payer Name : Menlo Survey Federal Credit Union
Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Remediation Well Destruction-Extraction - 11 Wells
Driller: HEW DRILLING CO. - Lic #: 604987 - Method: press

Work Total: \$265.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2014-1111	11/17/2014	02/22/2015	DPE-1	8.00 in.	4.00 in.	6.00 ft	22.00 ft	1S/4W1	W2008-0948	e0090522
W2014-1111	11/17/2014	02/22/2015	DPE-1B	8.00 in.	4.00 in.	6.00 ft	27.00 ft	1S/4W1	W2008-0948	e0090532
W2014-1111	11/17/2014	02/22/2015	DPE-2	8.00 in.	4.00 in.	6.00 ft	22.00 ft	1S/4W1	W2008-0948	e0090523
W2014-1111	11/17/2014	02/22/2015	DPE-2B	8.00 in.	4.00 in.	6.00 ft	27.00 ft	1S/4W1	W2008-0948	e0090531
W2014-1111	11/17/2014	02/22/2015	DPE-3	8.00 in.	4.00 in.	6.00 ft	22.00 ft	1S/4W1	W2008-0948	e0090524
W2014-1111	11/17/2014	02/22/2015	DPE-5	8.00 in.	4.00 in.	6.00 ft	22.00 ft	1S/4W1	W2008-0948	e0090525
W2014-1111	11/17/2014	02/22/2015	DPE-6	8.00 in.	4.00 in.	6.00 ft	22.00 ft	1S/4W1	W2008-0948	e0090526
W2014-1111	11/17/2014	02/22/2015	DPE-7	8.00 in.	4.00 in.	6.00 ft	22.00 ft	1S/4W1	W2008-0948	e0090527
W2014-1111	11/17/2014	02/22/2015	GW-1	10.00 in.	4.00 in.	6.00 ft	18.00 ft	1S/4W27	W2008-0098	e073776
W2014-1111	11/17/2014	02/22/2015	GW-2	10.00 in.	4.00 in.	6.00 ft	18.00 ft	1S/4W27	W2008-0098	e074370
W2014-1111	11/17/2014	02/22/2015	GW-3	10.00 in.	4.00 in.	6.00 ft	18.00 ft	1S/4W27	W2008-0098	e074371

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

Alameda County Public Works Agency - Water Resources Well Permit

cancel a drilling permit application after the completion date of the permit issued has passed.

2. 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. Include permit number and site map.
3. Applicant shall contact assigned inspector listed on the top of the permit 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.
4. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
5. 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-Monitoring - 8 Wells

Driller: HEW DRILLING CO. - Lic #: 604987 - Method: press

Work Total: \$3176.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2014-1112	11/17/2014	02/22/2015	MW-1	8.00 in.	2.00 in.	6.00 ft	17.00 ft	1S/4W27	W2008-0089	e073754
W2014-1113	11/17/2014	02/22/2015	MW-2	8.00 in.	2.00 in.	6.00 ft	14.00 ft	1S/4W27	W2008-0090	e073762
W2014-1114	11/17/2014	02/22/2015	MW-3	8.00 in.	2.00 in.	6.00 ft	14.00 ft	1S/4W27	W2008-0091	e073763
W2014-1115	11/17/2014	02/22/2015	MW-4	8.00 in.	2.00 in.	6.00 ft	14.00 ft	1S/4W27	W2008-0092	e073768
W2014-1116	11/17/2014	02/22/2015	MW-5	8.00 in.	2.00 in.	6.00 ft	14.00 ft	1S/4W27	W2008-0093	e073771
W2014-1117	11/17/2014	02/22/2015	MW-6	8.00 in.	2.00 in.	6.00 ft	14.00 ft	1S/4W27	W2008-0094	e073774
W2014-1118	11/17/2014	02/22/2015	MW-7	8.00 in.	2.00 in.	6.00 ft	14.00 ft	1S/4W27	W2008-0095	e073775
W2014-1119	11/17/2014	02/22/2015	MW-8	8.00 in.	2.00 in.	6.00 ft	14.00 ft	1S/4W27	W2008-0096	e073776

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.

Alameda County Public Works Agency - Water Resources Well Permit

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. Include permit number and site map.
4. 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.
5. Applicant shall contact assigned inspector listed on the top of the permit 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.
6. 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.

7. 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.

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.

Well Destruction-Monitoring - 0 Wells

Driller: HEW DRILLING CO. - Lic #: 604987 - Method: press

Work Total: ** \$0.00

**** Cancelled Work. Total amount adjusted. ****

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
* Cancelled *			MW-3	8.00 in.	2.00 in.	6.00 ft	14.00 ft		W2008-091	

Well Destruction-Monitoring - 0 Wells

Driller: HEW DRILLING CO. - Lic #: 604987 - Method: press

Work Total: ** \$0.00

**** Cancelled Work. Total amount adjusted. ****

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
* Cancelled *			MW-2	8.00 in.	2.00 in.	6.00 ft	14.00 ft		W2008-090	

Well Destruction-Monitoring - 0 Wells

Driller: HEW DRILLING CO. - Lic #: 604987 - Method: press

Work Total: ** \$0.00

Alameda County Public Works Agency - Water Resources Well Permit

**** Cancelled Work. Total amount adjusted. ****

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
* Cancelled *			MW-4	8.00 in.	2.00 in.	6.00 ft	14.00 ft		W2008-092	

Well Destruction-Monitoring - 0 Wells

Driller: HEW DRILLING CO. - Lic #: 604987 - Method: press

Work Total: ** \$0.00

**** Cancelled Work. Total amount adjusted. ****

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
* Cancelled *			MW-5	8.00 in.	2.00 in.	6.00 ft	14.00 ft			

Well Destruction-Monitoring - 0 Wells

Driller: HEW DRILLING CO. - Lic #: 604987 - Method: press

Work Total: ** \$0.00

**** Cancelled Work. Total amount adjusted. ****

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
* Cancelled *			MW-6	8.00 in.	2.00 in.	6.00 ft	14.00 ft			

Well Destruction-Monitoring - 0 Wells

Driller: HEW DRILLING CO. - Lic #: 604987 - Method: press

Work Total: ** \$0.00

**** Cancelled Work. Total amount adjusted. ****

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
* Cancelled *			MW-7	8.00 in.	2.00 in.	6.00 ft	14.00 ft			

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: 01/12/2015 By jamesy

Permit Numbers: W2015-0021
Permits Valid from 01/28/2015 to 01/28/2015

Application Id: 1420674239325
Site Location: 1409 12th Street

City of Project Site:Oakland

Project Start Date: Oakland, CA
01/28/2015
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Completion Date:01/28/2015

Applicant: Impact Environmental Services - Joseph Cotton
39120 Argonaut Way, #223, Fremont, CA 94538

Phone: 510-703-5420

Property Owner: Mrs. Shirley E. Thompson
1155 Hopkins Street, BERKELEY, CA 94702

Phone: 510-504-8948

Client: ** same as Property Owner **
Contact: Joseph Cotton

Phone: 510-703-5420
Cell: 510-703-5430

Receipt Number: WR2015-0013	Total Due:	\$265.00
Payer Name : Joseph Cotton	Total Amount Paid:	\$265.00
	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Vapor monitoring well - 1 Wells

Driller: HEW DRILLING CO. - Lic #: 604987 - Method: auger

Work Total: \$265.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2015-0021	01/12/2015	04/28/2015	SV1 to SV7	2.50 in.	0.13 in.	4.00 ft	5.00 ft		W2012-0299	

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.

Alameda County Public Works Agency - Water Resources Well Permit

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 10 days.
 8. Applicant shall contact assigned inspector listed on the top of the permit 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.
 9. Remove the Christy box or similar structure. Overdrill or clean out to original depth. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 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 decomissioned 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).
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APPENDIX B

Waste Management Documents

NON-HAZARDOUS WASTE MANIFEST 1. Generator ID Number N/A 2. Page 1 of 1 3. Emergency Response Phone (877) CLN-TANK 4. Waste Tracking Number 15-16024-001

5. Generator's Name and Mailing Address: MRS. SHIRLEY E. THOMPSON, 1155 Hopkins Street, Berkeley, CA 94702, (510) 703-5420
 Generator's Site Address (if different than mailing address): 1409 12th Street, Oakland, CA 94607

6. Transporter 1 Company Name: PONDER ENVIRONMENTAL SERVICES, INC. U.S. EPA ID Number: CA R000180737

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: POTRERO HILLS LANDFILL, 3675 Potrero Hills Lane, Suisun, CA 94585, (707) 432-4627
 Facility's Phone: U.S. EPA ID Number: N/A

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit WL/Vol.
	No.	Type		
1. Non-Hazardous Waste, Liquid (Drilling Mud)	28	DM	1120	G
2. Non-Hazardous Waste, Liquid (Drilling Mud)	3	DF	150	G
3.				
4.				

13. Special Handling Instructions and Additional Information: Profile #PHLF-15-041, P.O. #732534, Job #15-16024
 TRUCK #120, LIC #WP29259

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name: JOSEPH COTTON Signature: [Signature] Month: 1 Day: 23

15. International Shipments: Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials: Transporter 1 Printed/Typed Name: Jeff v. Hadsell, Signature: [Signature] Month: 1 Day: 23 Year: 15

Transporter 2 Printed/Typed Name: Signature: [Signature] Month: Day: Year:

17. Discrepancy: 17a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection

Manifest Reference Number: U.S. EPA ID Number:

17b. Alternate Facility (or Generator): Facility's Phone: U.S. EPA ID Number:

17c. Signature of Alternate Facility (or Generator): Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name: [Signature] Signature: [Signature] Month: 1 Day: 23 Year: 15

GENERATOR
INTL
TRANSPORTER
DESIGNATED FACILITY

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 2685
Ponder Environmental Svc., Inc

Vehicle ID:
Reference: PHLF15041
Grid: 1.2N
HaulCust#: OAKLAND
DriverOn?: N 1516024001 NO WASHOUT,DRUMS
Route: PD#732534
TRLR/LP#: WP39259

Origin: OAKLAND
DATE IN: 01/23/2015 TIME IN: 10:55:10
DATE OUT: 01/23/2015 TIME OUT: 11:51:43

INBOUND TICKET Number: 01-00535767

SCALE 1 GROSS WT.	49460 LB
SCALE 3 TARE WT.	33480 LB
NET WEIGHT	15980 LB

Qty	Description	Amount
31.00	Drum Disposal	

X _____

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

X _____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials,
method used on the side of our truck