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By Alameda County Environmental Health at 12:06 pm, Jan 22, 2013



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Dilan Roe, P.E.
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Subject:
Proposed Additional Remedial Activities
Former BP Service Station No. 11132
3201 35th Avenue
Oakland, California
ACEH Case #RO0000014

ENVIRONMENT

Dear Ms. Roe:

ARCADIS U.S., Inc. (ARCADIS) is submitting this letter to propose additional remedial activities based on recent observations at former BP service station #11132 located at 3201 35th Avenue in Oakland, California (site). During implementation of the dual phase extraction (DPE) test described in the *Proposal for DPE* (ARCADIS, 2012), ARCADIS observed approximately 1.5 feet of separate phase hydrocarbons (SPH) in OW-1 (refer to attached site plan for well location). ARCADIS bailed the product and observed a recharge of approximately 0.4 feet the following day. ARCADIS proposes to conduct SPH bail down at all wells that potentially contain product (OW-1 and MW-10) in order to remove SPH to the extent possible and to better understand recharge rates to improve remedial effectiveness.

Date:
January 11, 2013

Contact:
Hollis Phillips

Phone:
415.432.6903

Email:
hollis.phillips@arcadis-us.com

ARCADIS proposes to implement the first round of SPH bail down in January 2013 and will continue on a monthly basis for 3 months. If you have any questions or comments, please do not hesitate to contact me at (415) 432-6903 or by e-mail at hollis.phillips@arcadis-us.com.

Our ref:
GP09BPNA.C112

Sincerely,

ARCADIS U.S., Inc.

Hollis E. Phillips, P.G., Project Manager

Attachment A-Site Plan

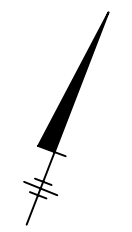
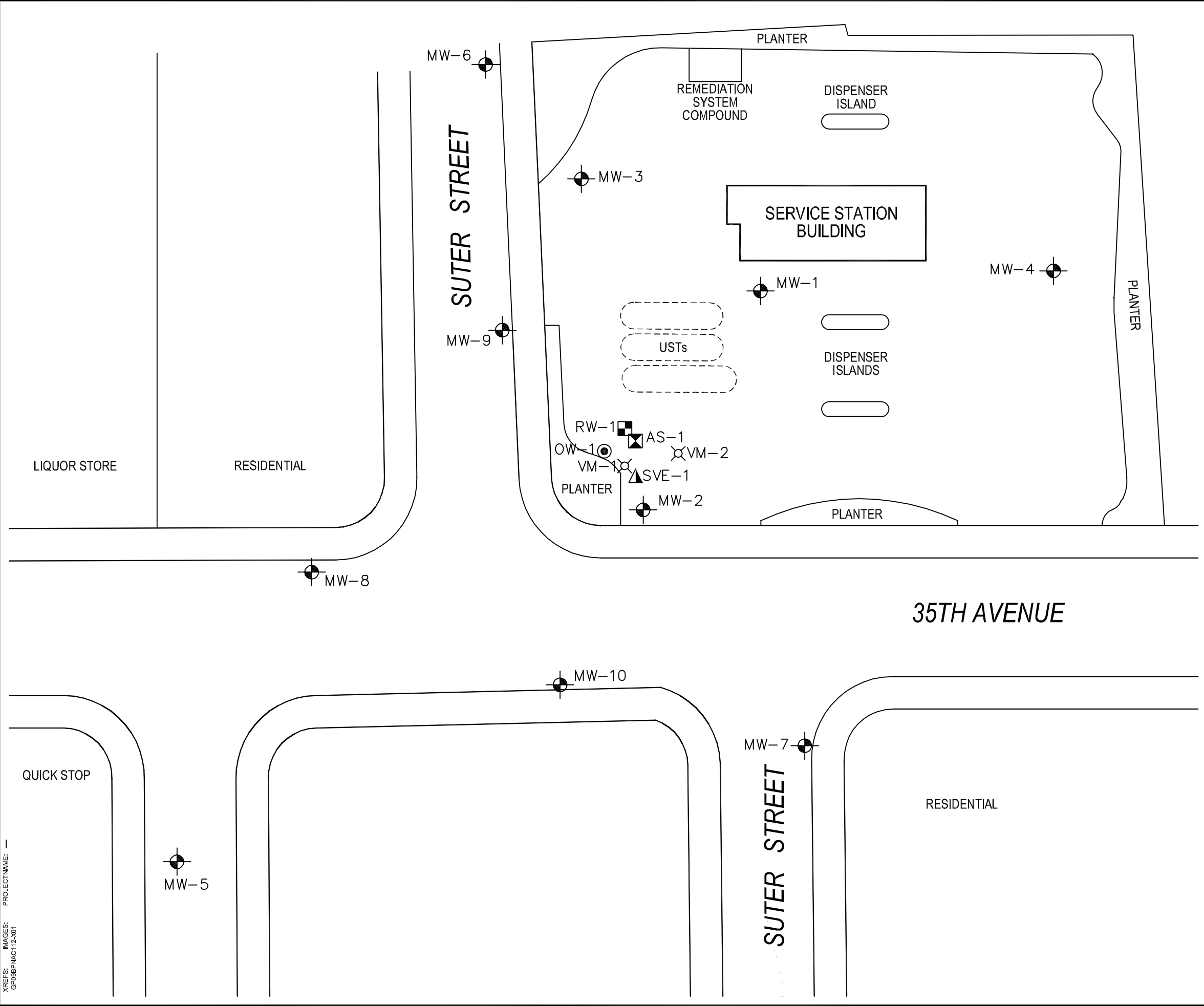
Copies:
Geotracker

References

2012. ARCADIS U.S., Inc. *Proposal for DPE . Former BP Service Station No. 11132, 3201 35th Avenue, Oakland, California.* July 6.

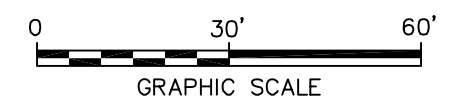
Imagine the result

CITY: EMERYVILLE, CA | DIV: GROUP: ENV | DB: J. HARRIS | LD: | PIC: | P: H. PHILLIPS | T: M. J. PETERSON | LY: R. ORTIZ | OF: | REF: |
 G:\ENVCAD\emeryville\112\12\000\AS-SVE_REPORT\GP\BBP\NAC\12-803.dwg | LAYOUT: 2 | SAVER: 2/23/2011 2:21 PM | ACADVER: 18.05 (LMS TECH) | PAGESETUP: | PLOTSTYLETABLE: ARCADIS.CTB | PLOTTED: 2/24/2011 10:02 AM | BY: BEARDSLEY, DANIEL



- LEGEND**
- MW-1 GROUNDWATER MONITORING WELL
 - RW-1 GROUNDWATER RECOVERY WELL
 - AS-1 AIR SPARGE WELL
 - OW-1 OBSERVATION WELL
 - SVE-1 SOIL VAPOR EXTRACTION WELL
 - VM-1 SOIL VAPOR MONITORING WELL

NOTE:
 BASE MAP PROVIDED BY BROADBENT & ASSOCIATES, INC.,
 DATED 9/15/09, AT A SCALE OF 1"=50'.



FORMER BP STATION NO. 11132 3201 35TH AVENUE, OAKLAND, CALIFORNIA AIR SPARGE/SOIL VAPOR EXTRACTION SUMMARY REPORT	
WELL LOCATIONS	
	FIGURE 2