

Pardini, Chuck

From: Drogos, Donna, Env. Health [donna.drogos@acgov.org]
Sent: Tuesday, August 28, 2007 12:18 PM
To: Pardini, Chuck
Subject: RE: Well Construction Details - Cox Cadillac - RO148

Hi Chuck,

Thanks for providing the MW descriptions below & map of locations. Your e-mail accurately summarizes our discussion regarding this phase of work & ACEH concurs with your proposal.

I will document the other items we discussed in a phone log for the case file. These items can be followed up in future phases of work. Donna

Donna L. Drogos, PE
LOP Program Manager
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

510-567-6721
donna.drogos@acgov.org

<http://www.acgov.org/aceh/index.htm>

From: Pardini, Chuck [mailto:Chuck.Pardini@lfr.com]
Sent: Monday, August 27, 2007 5:43 PM
To: Drogos, Donna, Env. Health
Cc: Goloubow, Ron; Sullivan, Michael
Subject: Well Construction Details - Cox Cadillac

Donna,

Following is a description of the well construction details for the five wells at the former Cox Cadillac site. The description follows the results of our recent discussion today. Five wells are to be installed at the Site, LF-1, LF-2, LF-3, LF-4, and LF-5. The attached figure (same as the one e-mailed to you earlier today), shows the location and designation for each.

As we discussed, we will drill borings at well locations LF-2 through LF-5 to a depth of approximately 20 feet below the ground surface. The borings will be drilled using hollow-stem augers and sampled continuously. The screened intervals for these wells will be constructed at the depth of the first water-yielding interval encountered in order to assess and monitor concentrations of petroleum hydrocarbons. Previous investigations have indicated the presence of a coarse-grained, water-yielding interval from about 14 to 16 feet at various locations. The lengths of the screened intervals will be dependent on the thickness of the water-yielding interval (anticipated to be no more than 2 to 3 feet thick based on previous investigations at the Site). The sand pack in each well will not exceed 5 feet in length, meaning the maximum length of screened interval will be no more than 4 feet, though we anticipate shorter screened intervals based on previous investigations at the Site. The wells will be constructed of 2-inch diameter PVC casing.

The boring for well LF-1 will be drilled to a depth of approximately 25 feet. Like the borings for the other wells, this boring will be drilled using hollow-stem augers and sampled continuously. A previous boring (SB-102) at this location indicated petroleum-impacted groundwater up to a depth of approximately 24 feet. In addition, a silty clay interval was encountered at approximately this depth, and deeper sampling was not possible because the rig used encountered refusal. Based on these data, we propose to install the screened interval for well LF-1 from approximately 20 to 24 feet (less screen, if the lithology warrants it). This well will be constructed of 2-inch diameter PVC casing. One point we did not discuss is that we will have a PID in the field during drilling to help in our assessment of screen depths, as well as for health and safety requirements.

Please respond with an e-mail if you approve the well construction details, as described. If there are details that were omitted or not accurately described, please let me know and I will revise the description, as necessary.

Thank you again for your quick response to our request and for the constructive feedback not only to the well discussion, but the other aspects of the report.

Sincerely,

Chuck

Charles Pardini, P.G.
Principal Geologist
Operations Manager - Los Altos

LFR Inc.
5150 El Camino Real, Suite D-21
Los Altos, California 94022
(650) 469-7230 (Main)
(650) 469-7224 (Direct Dial)
(510) 813-1053 (Cell)
(650) 469-7235 (Fax)
chuck.pardini@lfr.com
www.lfr.com

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1/30/2008