

Detterman, Mark, Env. Health

Subject: RO2877_Roberts_Tires
Entry Type: Meeting

Start: Wed 1/4/2012 2:30 PM
End: Wed 1/4/2012 3:15 PM
Duration: 45 minutes

Meet with Don Flaner to review documents he has in his possession for potential submittal, as a partial response to NOV dated August 26, 2011. Two reports do not appear to have been submitted previously, and three individual sheets also submitted. I'll scan the reports and return to him. Reports will be labeled as are as follows:

EX_R_2004-09-24_2
and
EX_R_2004-12-01

Subj: **MacArthur Blvd. Site**
Date: 1/9/2007 6:08:39 P.M. Pacific Standard Time
From: whopkins@questaec.com
To: tazhan@aol.com

Hi Allan:

On Friday afternoon I spoke with Barney Chan of Alameda County Environmental Health at length about your property. His primary concerns at this point center on the proposed redevelopment as Senior Housing and the history of unknown underground fuel tanks and groundwater contamination by TPH as gasoline and the constituents benzene, toluene, ethylbenzene and xylenes.

In the previous work at the site by JMK, they had found groundwater contamination at higher levels than we (Questa) detected. The possible underground storage tank identified by the magnetometer survey (Clearwater Group) at the front (Mac. Blvd. side) of the former building could be the source of the contamination. Soil samples in that area at a depth of 11 feet (B-1 @11' and B-2@11') showed TPH as gas contamination at 120 mg/kg each. So that, even though Questa's more recent work does not show the same levels of contamination, we may not have tested in the hottest area, in fact we were likely down gradient from the highest area. After reviewing all of the previous data and the conclusions by JMK that Monitoring Wells would likely be required by the Regulators, and after reviewing our work, Mr. Chan came to the conclusion that the identified possible storage tank location should be investigated and monitoring wells are necessary. After my own review of all of the data and after my discussion with Mr. Chan, I agree that investigation and removal of the source of the groundwater/deep soil contamination is necessary, and that monitoring wells to document the effectiveness of the soil removal will likely be necessary. However, I still believe that the proper course of action is to first find and remove the contamination source, then to monitor the results after the removal is complete. Often, we can install a monitoring point in the backfilled excavation, thus providing one of the required monitoring well locations.

At this point, you should probably get Don Flaner and his subcontractor involved in the excavation of the possible fuel tank area that is located within the current site boundaries; i.e. at the former front of the building. Removal of a leaking tank which has residual contamination and the soil around it would go a long way at reducing groundwater contamination. Should you have any questions please call me at (510) 236-6114, ext. 222.

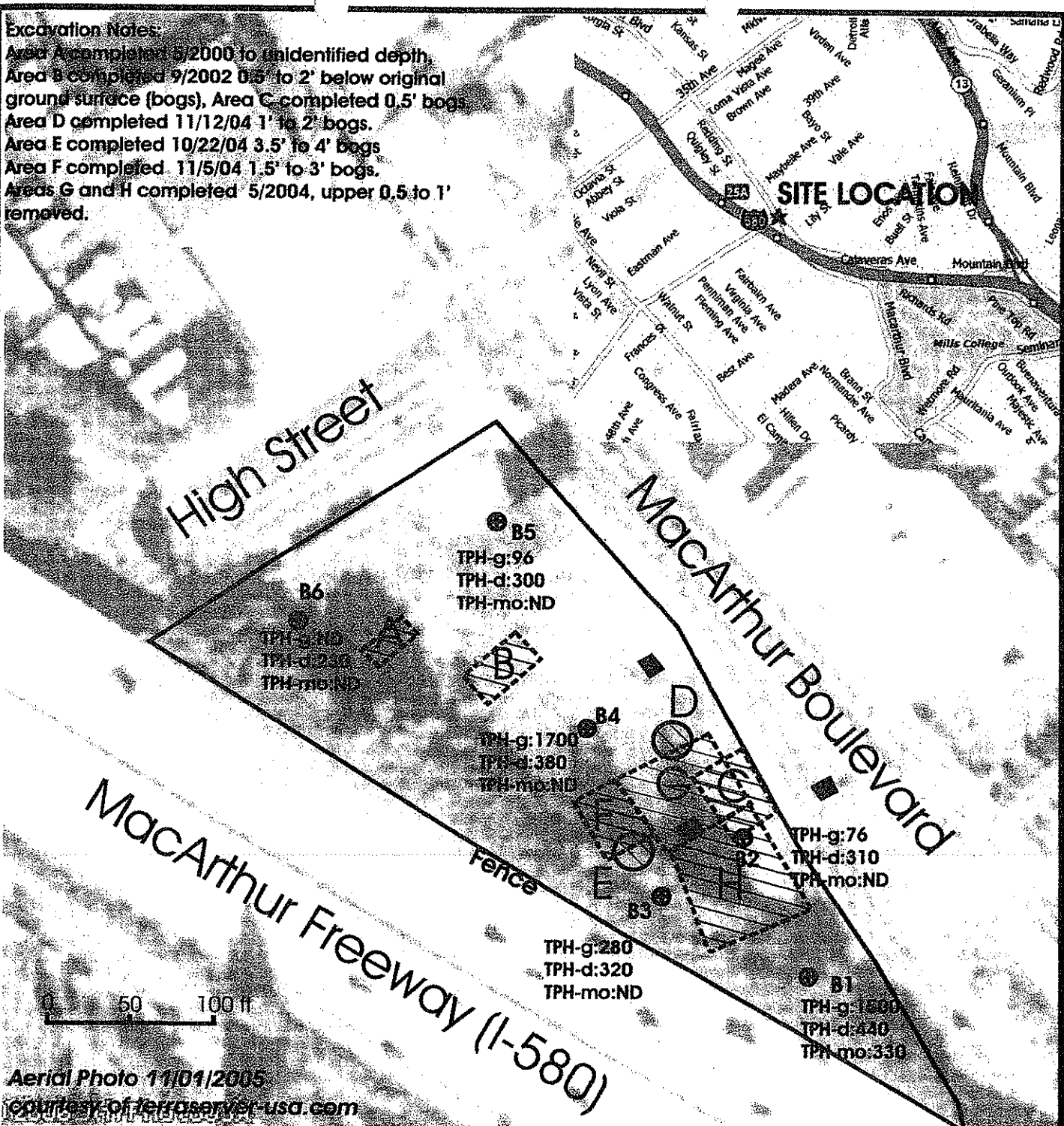
Regards,

Will Hopkins, CEG
Questa Eng. Corp.

Tuesday, January 23, 2007 AOL: TAZHAN

Excavation Notes:

Area A completed 5/2000 to unidentified depth.
 Area B completed 9/2002 0.5' to 2' below original ground surface (bogs), Area C completed 0.5' bogs.
 Area D completed 11/12/04 1' to 2' bogs.
 Area E completed 10/22/04 3.5' to 4' bogs.
 Area F completed 11/5/04 1.5' to 3' bogs.
 Areas G and H completed 5/2004, upper 0.5 to 1' removed.



Aerial Photo 11/01/2005
 courtesy of terraserver-usa.com



- ⊕ Boreholes for soil and groundwater sampling 10/4/06
- ◆ Magnetic anomaly identified in 1999 magnetometer survey.



Area of previous soil excavation
 Locations approximate only.

Date: 11/07/06
 Drawn: JF
 Apprd: JF
 Dwg. No. 260110...

QUESTA
 ENGINEERING & CONSULTING
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Site Location and Sample Locations
 Groundwater Investigation
 4311-4333 MacArthur Blvd.
 Oakland, CA

FIGURE

1

M. Douglas Construction / 4311 MacArthur Blvd. Oakland, Ca
 Vertical Magnetic Gradient Countour Map
 Contour Interval : 200 nanoTeslas / meter Scale : 1 inch = 20 feet

