

Detterman, Mark, Env. Health

From: Matt Farris [matt.farris@innovex.net]
Sent: Thursday, March 12, 2015 3:20 PM
To: r.mar@surewest.net
Cc: Detterman, Mark, Env. Health
Subject: Request for additional Information
Attachments: SB-5 Explanation of TPHg FINAL.pdf

Rick:

Per your request, INNOVEX has prepared a letter providing additional information for the property located at 14332 Washington Avenue, San Leandro, California. Please see the attached document. If you are satisfied with the information provided, INNOVEX would like to move forward with finalizing the access agreement we have requested. If you have any additional questions or concerns please contact myself or Mr. Mark Detterman with the Alameda County Environmental Health Department.

Regards,

Matthew Farris P.G./QSD

Senior Project Geologist

INNOVEX Environmental Management

3900 Lennane Drive, Suite 130

Sacramento, CA 95834

Office (916) 760-7579

Cell (925) 808-9290



March 12, 2015

Mr. Rick Marment
Rideli LLC.
9748 Weddington Circle
Granite Bay, CA 95746

**RE: Request for Additional Information, 14332 Washington Avenue,
San Leandro, CA, 94578**

Dear Mr. Marment:

At your request, Innovex Environmental Management, Inc. (INNOVEX) is providing additional information for the property located at 14332 Washington Avenue, San Leandro, California. You have inquired as to why the excavation limits proposed in the IRAP do not extend to include soil impacts reported in samples collected at 15 to 15.5 feet below ground surface (bgs) from soil boring SB-5 identified on Figure 2 of the *Interim Remedial Action Plan (IRAP)* dated June 30, 2014. The IRAP was approved by the Alameda County Environmental Health (ACEH).

Figure 2 (Attached) presents chemical concentrations of Total Petroleum Hydrocarbons as gasoline (TPHg) reported in soil samples that have been collected over the past 16 years. The samples have been collected as part of environmental investigations (1999 to present) related to a leaking underground storage tank that was removed from the Palace Garage property (located at 14336 Washington Avenue) in 1991.

Groundwater monitoring well MW-1 is located approximately 15 feet away from boring SB-5. When MW-1 was installed in December 2003, the depth to groundwater was measured at 13.6 feet bgs. This means groundwater was about 1.5 feet above the sampling depth for SB-5. Since then depth to groundwater has been measured at least twice a year and the average depth to groundwater beneath the site, measured from MW-1, is 14.8 feet. This means the sample location from SB-5 at 15 feet is still underwater. The TPHg concentration reported in SB-5 is likely due to dissolved TPHg in groundwater that became trapped in void spaces between soil particles and absorbed by clay particles in the soil sample, rather than direct TPHg impacts to soil from a leaking tank. Because of this, ACEH does not consider soil concentrations reported in SB-5 to be a source of contamination.

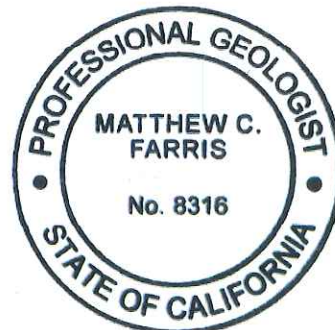
Based on their proximity the groundwater data collected from MW-1 is expected to be similar to what would be reported at the location of SB-5. In 2003 groundwater collected from MW-1 reported a TPHg concentration of 48,000 micrograms per liter (ug/L). The most recent groundwater sample collected from MW-1 (September 2014) reported a TPHg concentration of 590 micrograms per liter (ug/L). This supports a conclusion that the TPHg dissolved in the groundwater in the vicinity of SB-5 has also decreased over the past 13 years.

Please contact me at 916-760-7579 or at matt.farris@innovex.net with any questions you have regarding this submittal.

Sincerely,
INNOVEX Environmental Management, Inc.



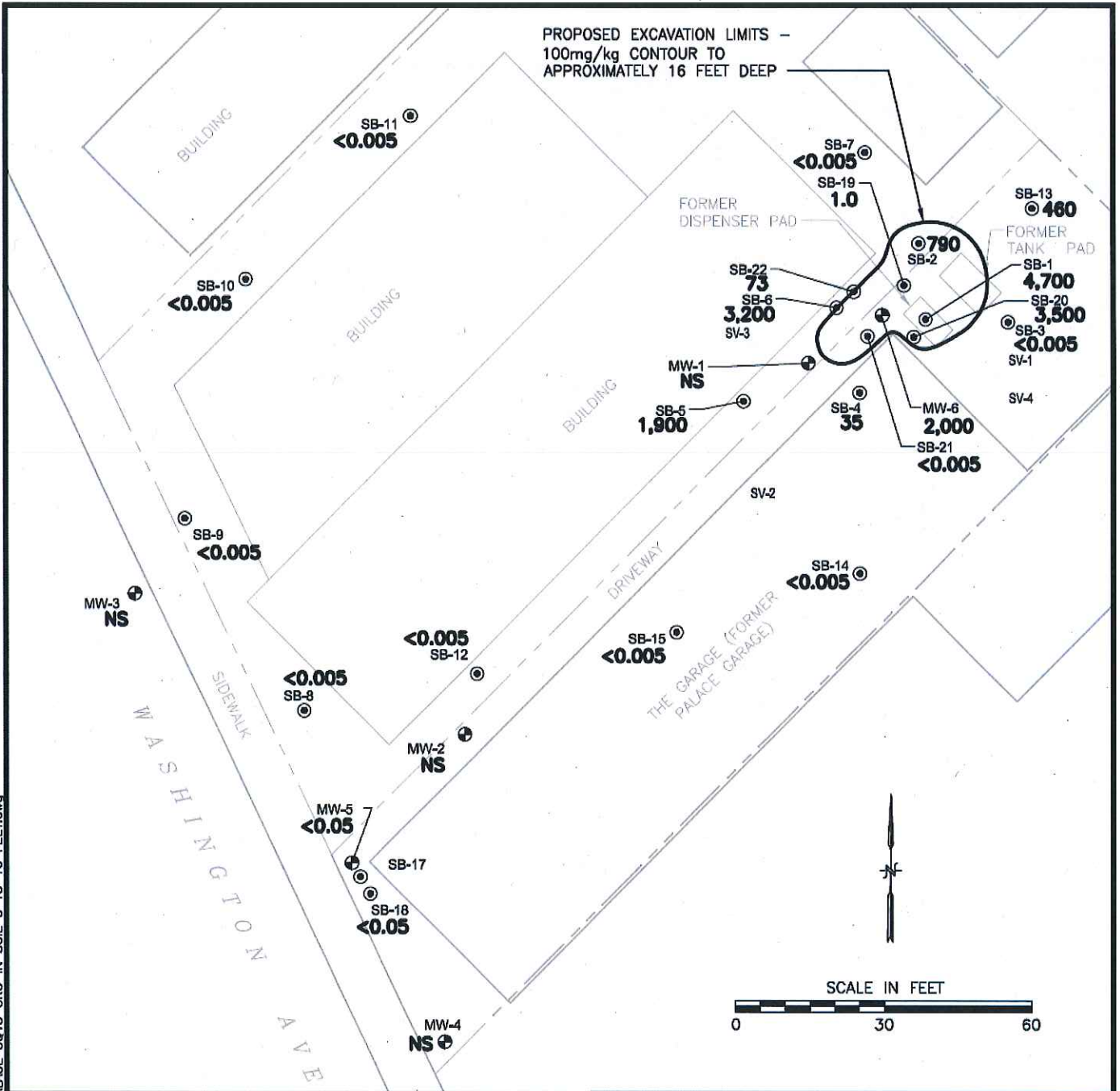
Matthew Farris PG, QSP/QSD
Senior Project Geologist



Attachment Figure 2. TPHg/GRO Concentrations in Soil from 3 to 16 feet bgs.

cc: Mr. Jeff Kerry, Kerry & Associates
 Mr. Mark Detterman, Alameda County Environmental Health

20140617.11245417 C:\Users\Ron\Dropbox\Public\innovex\palace\palace_3013 GRO IN SOIL 3 TO 16 FEET.dwg



LEGEND:

- ⊕ GROUNDWATER MONITORING WELL LOCATION
- ⊙ SOIL BORING LOCATION
- PROPERTY LINE
- 73** TPHg/GRO CONCENTRATIONS IN SOIL (mg/kg)
- NS** NOT SAMPLED

NOTES:

1. BASEMAP SOURCE: MORROW SURVEYING, 2/05/03

FIGURE 2

TPHg/GRO CONCENTRATIONS IN SOIL FROM 3 TO 16 FEET BGS

PALACE GARAGE
14336 WASHINGTON AVENUE
SAN LEANDRO, CALIFORNIA



INNOVEX
ENVIRONMENTAL MANAGEMENT, INC.

4600 Northgate Boulevard • Suite 230
Sacramento • California • 95834
Phone: (800) 988-7880