

<b>PROJECT No.:</b> 170244602	<b>CLIENT:</b>	<b>DATE:</b> 07/09/2013
<b>PROJECT:</b> 23-01 42nd Road	QPS 23-10 Development LLC	<b>WEATHER:</b> Sunny, 75 – 85 °F
<b>LOCATION:</b> Long Island City, NY		<b>TIME:</b> 7:15 a.m. – 3:30 p.m.

<b>CONTRACTOR &amp; EQUIPMENT:</b> CRAIG Geotechnical Drilling, Inc. (Craig): Geoprobe 66100T	<b>PRESENT AT SITE:</b> Beth Howard and Deosarran Persaud (Langan) Craig Drillers
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The purpose of this report is to summarize field investigation activities performed at 23-01 42nd Road in Long Island City, New York (the "Site") from June 28 through July 9, 2013 (the date of this report). The investigation included the installation of five soil borings and five groundwater monitoring wells, and the collection of eleven grab soil samples. Field observations documented during this investigation are summarized below:

- The subsurface soil profile generally consists of historic fill predominately characterized as brown and gray, fine to medium sand with silt and clay.
- Groundwater was encountered at approximately 7 feet below grade surface (bgs)
- Bedrock was encountered at depths ranging from 11.5 to 31 1/2 feet bgs.
- Visual and olfactory evidence of potential contamination was noted during the field activities at two boring locations located in the southeastern area of the Site. Specifically, petroleum-impacted material exhibiting staining, odor, and volatile organic compound (VOC) concentrations up to 1,340 parts per million (ppm), as measured with a handheld photoionization detector (PID), was encountered from depths ranging from 6 to 13 feet bgs.
- Eleven soil samples were collected and submitted for laboratory analysis for VOCs, semivolatile organic compounds (SVOC), and metals.

In addition, during the advancement of a geotechnical test pit located along the northern edge of the Site (60 feet east of western edge of the building), grossly contaminated soil and light non-aqueous phase liquid (LNAPL) on groundwater was identified at approximately five feet bgs. The material appeared to be petroleum (see photo 2).

<b>To:</b>	Michael Burke, Gerry Nichols, Ryan Wohlstrom	<b>By:</b>	Beth Howard
			Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

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**Photographs:**



Photograph 1: View of Craig advancing a soil boring at the Site.



Photograph 2: View of the grossly contaminated soil and LNAPL identified in the geotechnical test pit.

<b>To:</b> Michael Burke, Gerry Nichols, Ryan Wohlstrom	<b>By:</b> Beth Howard
	Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.