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**Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.**  
**21 Penn Plaza, 360 West 31<sup>st</sup> Street, 8<sup>th</sup> Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444**

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**To:** Shaun Bollers (NYSDEC)

**From:** Brian Gochenaur (Langan)

**Info:** Mimi Raygorodetsky, Kimberly Semon (Langan)

**Date:** March 10, 2020

**Re:** Supplemental Soil Investigation Work Plan  
27-01 Jackson Avenue  
Long Island City, New York  
Langan Project No.: 170472002

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Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) has prepared this Supplemental Soil Investigation Work Plan for the property located at 27-01 Jackson Avenue, Queens, NY. The site is located in the Long Island City neighborhood of Queens and is identified on the Borough of Queens Tax Map as Tax Block 432, Lot 21. The purpose of this investigation is to determine whether petroleum-impacted source material is present beneath the southern- and western-adjoining sidewalks above the known groundwater contamination. The following scope of work has been developed to supplement the Draft Remedial Investigation Report (RIR) dated September 17, 2019 and draft Remedial Action Work Plan (RAWP) dated September 27, 2019 and to satisfy the request from the New York State Department of Environmental Conservation (NYSDEC) to better inform the remedial action objectives for the site.

### **SAMPLING METHODOLOGY AND ANALYSIS**

A licensed driller will advance a total of six soil borings (SB-201 through SB-206) on the sidewalks adjoining the site to the south and west. Soil borings will be advanced in accordance with the methodology outlined in the Remedial Investigation Work Plan (RIWP) dated November 1, 2018. A proposed boring location plan is provided as Figure 1.

Soil will be screened continuously from surface grade to boring termination depth for field evidence of contamination (odor, staining, and photoionization detector [PID] readings above background level). Two grab soil samples plus quality assurance/quality control (QA/QC) samples will be collected for laboratory analysis from each soil boring. Samples will be collected from 0 to 2 feet below grade surface (bgs) and the two-foot interval directly above the groundwater interface. Samples will be collected in laboratory-supplied containers and will be sealed, labeled, and placed in an ice-chilled cooler (to attempt to maintain a temperature of about 4°C) for delivery to a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory. Soil samples will be analyzed for Part 375 List and Target Compound List (TCL) volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Methods 8260C/5035 and Part 375 List and TCL semivolatile organic compounds (SVOCs) by USEPA method 8270D. Category B deliverables will be requested from the laboratory and a Data Usability Summary Report (DUSR) will be prepared.

# Memorandum

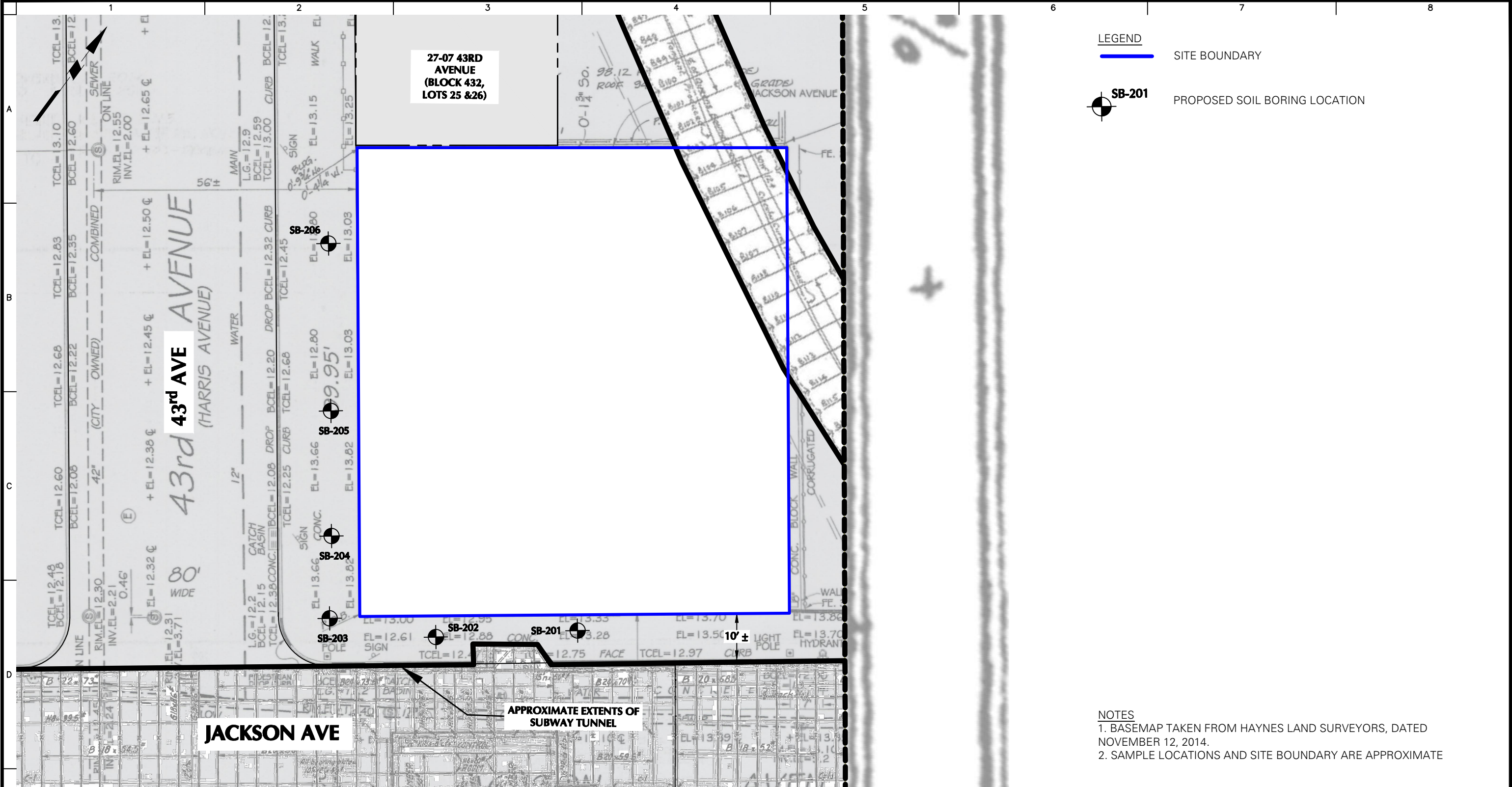
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## REPORTING

Soil analytical results will be compared to NYSDEC Title 6 of the New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use (UU) and/or Restricted Use Restricted-Residential Use (RURR) Soil Cleanup Objectives (SCOs). We will prepare a technical memorandum summarizing the findings, and will update the draft RAWP with the revised remedial action objectives for the site.





**WARNING:** IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.