

Dermody Consulting
Geologists and Environmental Scientists
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February 12, 2021

Mr. Shaun Bollers
New York State Department
of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, New York 11101-5407

Re: **Former Sep's Cleaners**
250 Livonia Avenue
Brooklyn, New York

Dear Mr. Bollers:

As per your request, Dermody Consulting is submitting this plan of activities related to soil vapor intrusion at the above-referenced site.

As per our previous discussions and emails, Dermody Consulting proposes to perform the heating season soil vapor intrusion sampling. The sampling will include sub-slab soil vapor and co-located indoor air sampling at the five locations in the basement of the building (see Figure 1). The locations are slightly altered from the locations we provided in our October 4, 2019 work plan due to the accessibility of areas. These five areas will be used for all future soil vapor intrusion sampling (and include, as requested, one sample location in the area beneath the supermarket and one in the open basement area). In addition, indoor air samples will be obtained from the first floor business at the site including 248 Deli, Napoli Pizza, Pay-O-Matic, and Shop Fair Supermarket (see Figure 2). The Chinese Restaurant has been closed for most of 2020 due to Covid-19. If it remains closed at the time of sampling, no indoor air sample will be obtained from that location. All samples will be obtained with Summa Canisters with flow restrictors set to collect samples over a 24-hour period. The samples will be sent for laboratory analysis for volatile organic compounds by Method TO-15.

As a component of the investigation, a chemical inventory will be performed to determine if any products used or stored in the building contained tetrachloroethylene or its related degradation products, or any other volatile organic compounds.

After completion of the soil vapor intrusion, the Soil Vapor Extraction system within the remediation shed at the rear of the site will be switched on and then vacuum monitoring will be performed within the basement at all vacuum monitoring ports.

Following the completion of the vacuum monitoring, the Soil Vapor Extraction system will remain in operation.

A report of all sampling and investigation procedures and results will be provided to your attention.

The document certification is attached.

Should you have any questions, please feel free to contact me.

Very truly yours,



Peter Dermody, C.P.G.
Principal Hydrogeologist

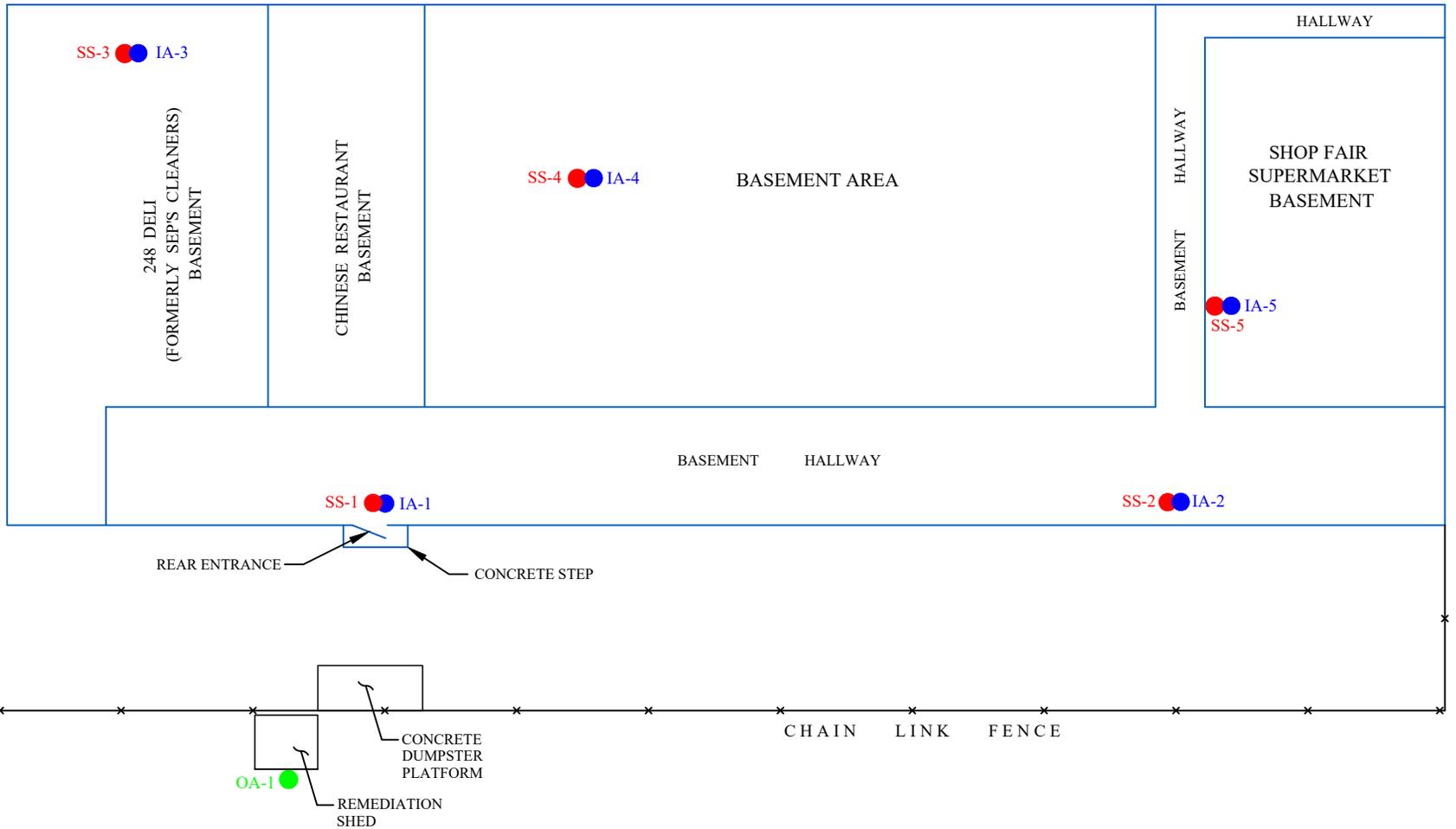


Ravi K. Korlipara, P.E., Ph.D.
NY P.E. Lic. # 070038

cc: Mandy Yau
Barry Cohen

ROCKAWAY AVENUE

SIDEWALK



LEGEND

- SS-1 SUB-SLAB SOIL VAPOR SAMPLE LOCATION
- IA-1 INDOOR AIR SAMPLE LOCATION
- OA-1 OUTDOOR AIR SAMPLE LOCATION

DRAWING SCALE 1" = 20'

DERMODY CONSULTING
CENTER MORICHES, NEW YORK

FIGURE 1
BASEMENT AND OUTDOOR
SOIL VAPOR INTRUSION SAMPLING LOCATIONS
250 LIVONIA AVENUE
BROOKLYN, NEW YORK

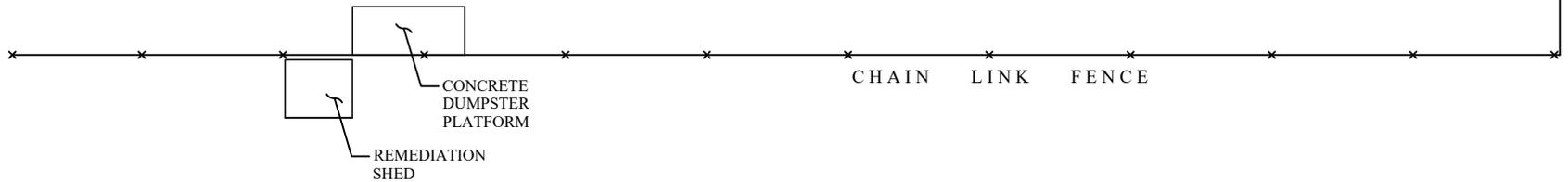
ROCKAWAY AVENUE



SIDEWALK



CONCRETE STEP



LEGEND

● IA-5 INDOOR AIR SAMPLE LOCATION

DRAWING SCALE 1" = 20'

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CENTER MORICHES, NEW YORK

FIGURE 2
FIRST FLOOR LAYOUT AND
INDOOR AIR SAMPLING LOCATIONS
250 LIVONIA AVENUE
BROOKLYN, NEW YORK

CERTIFICATION

I, Ravi K. Korlipara, certify that I am currently a New York State registered professional engineer, as defined in 6 NYCRR Part 375, and that this Soil Vapor Intrusion Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).



(Seal)

Ravi K. Korlipara, P.E., Ph.D.

Printed Name of Registered Professional Engineer

A handwritten signature in black ink, appearing to read "R. K. Korlipara", written over a horizontal line.

Signature of Registered Professional Engineer

Date February 12, 2021

Registration No. 070038

State NY