August 12, 2024

Steven Wu
Project Manager
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, NY 11101-5407

Re: BCP Site Number: C241247
161-03 29th Avenue
Flushing, New York

Dear Mr. Wu:

Seacliff Environmental Geology PC (Seacliff) has prepared this proposed scope of work as a follow-up to our conference call on June 22 and your follow-up comment letters dated March 4 and June 11, 2024.

The Remedial Investigation (RI) has not been completed. An understanding of shallow perched groundwater conditions is necessary before drilling deeper through that zone. Seven temporary monitoring wells were installed to determine groundwater quality in the perched water zone. Based on these data and the approved Castleton RI Work Plan dated August 2021 we propose the following as a Supplemental RIWP. Please refer to the attached figure for proposed locations.

- The installation of four 2-inch diameter monitoring wells in the water table aquifer-estimated to be 40 to 45 feet below grade. Soil will be collected from each monitoring well boring at 5-feet depth intervals and logged/screened/sampled as per the approved RIWP. The drilling methodology will be 6-3/8-inch hollow stem augers for the proper installation of the sand pack and annular seal. Well screens would be ten feet in length and bridge the water table (page 13 of the RIWP). The proposed locations are shown in the attached figure. All protocols in the approved RIWP will be followed during the drilling and installation including containerizing excess soil cuttings for proper disposal.

- Please note that one of the water-table wells will be installed next to temporary well B-7 where perc concentrations are elevated. Large diameter steel casing will be driven to a depth below the perched zone to prevent contaminated water from reaching deeper depths. Drilling will then proceed within the steel casing to collect soil samples, reach the water table, and install the monitoring well as described above. For the deep wells, the annular space above the bentonite seal will be grouted using the tremie grout method to

prevent vertical cross contamination between deep and shallow groundwater.

- The installation of two deep two-inch diameter monitoring wells screened from 60 to 70 feet below grade (or 20 to 30 feet below the water table).

- The replacement of temporary wells B-5, B-7, and B-11 with two-inch diameter wells.

- The development of all wells described above by pumping and surging (page 13 of RIWP). Development water will be containerized for disposal.

- All soil cuttings will be containerized in properly labeled DOT approved 55- gallon drums for future off-site disposal at a permitted facility.

- All monitoring well development and purge water will be containerized for off-site disposal at a permitted facility.

- Disposable sampling equipment including spoons, gloves, bags, paper towels, etc. that encountered environmental media will be double bagged and disposed as municipal trash in a facility trash dumpster as non-hazardous trash.

- Water level measurements, floating product gauging, and the surveying of all wells as per page 14 of the RIWP.

- The sampling of all wells as per page 14 of the RIWP.

- Provide DUSRS as per page 15 of the RIWP.

- Shallow soil sampling as per page 10 of the RIWP. which states that "shallow soil samples" will be collected during the investigation. To evaluate exposure pathways, three surface soil samples will be collected from a depth of 0-2 inches below the vegetative cover. Therefore, representative surface soil samples would be collected from vegetated areas within the site boundary.

Please note that based on this work we expect the RI to be completed, however, we acknowledge that additional work may be needed based on the results of this work. At that time, we can discuss if that additional work should be included in the RIR or as an addendum to the RIR.

This work will be scheduled within one month of your approval. It is anticipated that the well installation and soil/groundwater sampling will take five weeks to complete. The laboratory turnaround will be two weeks or less. Therefore, the RI report will be delivered within three months of completion of all field work.

Please call/email if you have any questions.

Mr. Steven Wu
BCP Site Number: C241247
August 2024

Seacliff Environmental

James M. DeMartinis

James M. DeMartinis
P.G. Senior Geologist

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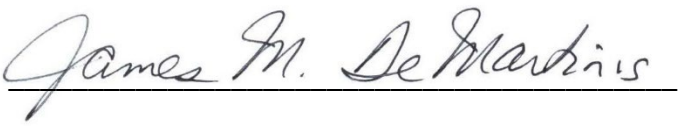
CERTIFICATION STATEMENT

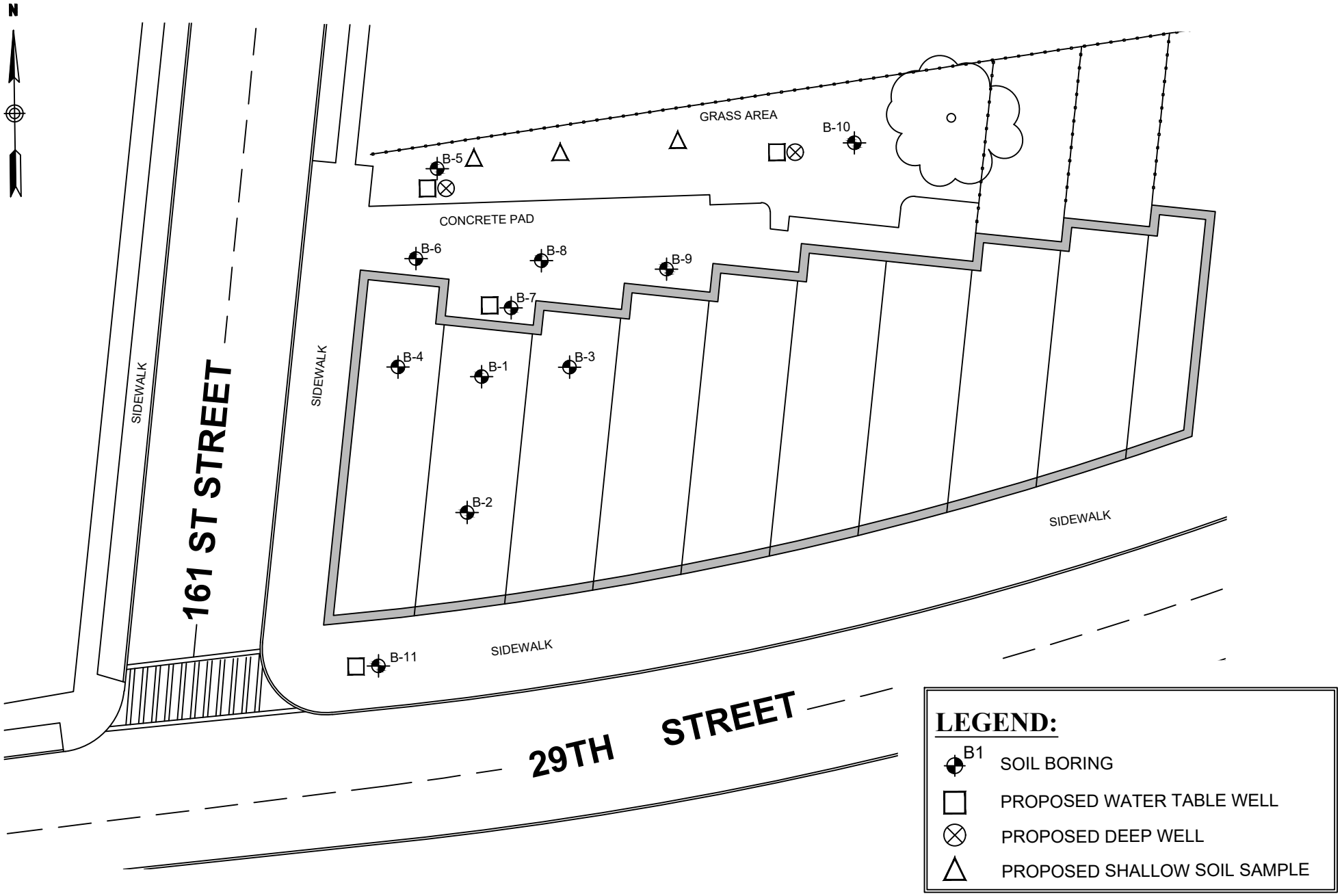
I, ___Jim DeMartinis_____ certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Supplemental Remedial Investigation Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Signature 

Name ___Jim DeMartinis, PG_____

NYS PG License #___200_____

Date _____8/12/2024_____



PREPARED BY:

Seacliff ENVIRONMENTAL

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P.O. Box 2085
Miller Place, NY 11764
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PROPOSED SOIL & GROUNDWATER SAMPLE LOCATIONS

160-01 -- 161-10 29TH AVENUE
FLUSHING, NEW YORK
11358

DWN:	SCALE:	DATE:	PROJECT NO:
-	1:30	2023.07.05	-
CHKD:	APPD:	REV:	NOTES:
JMD	JMD	-	-

FIGURE NO: 1