

Memorandum

To: Adam R. Kaufman, AICP
Director of Planning
Town of North Castle
17 Bedford Road
Armonk, New York 10504

From: William A. Canavan, PG, LSRP
HydroEnvironmental Solutions, Inc.
Two Center Street
Croton Falls, New York 10519

Date: September 22, 2023

Re: 4 Tripp Lane
Armonk, New York

HydroEnvironmental Solutions, Inc. (HES) was retained by the Town of North Castle, New York to review a recent Application at 4 Tripp Lane in Armonk, New York. Fill material was imported to the subject site without a permit and the Applicant was required to confirm, in accordance with New York State Department of Environmental Conservation (NYSDEC) Regulations, that the imported fill was compliant for use in a residential setting. The Applicant conducted fill material sampling, the results of which were provided to the Town under separate cover. As a result of the soil sampling, the Applicant has decided to remove the fill material and dispose of it at an off-site NYSDEC approved disposal facility. Based on the soil sampling results, the Applicant delineated the extent of the fill and submitted the delineation results to the Town for their review.

As part of the review process, HES, on behalf of the Town of North Castle reviewed Drawing F-1 provided to the Town by the Applicant. Drawing F-1 included a site plan and photographs of test pits that were used to delineate the extent of imported fill material.

Based on our review of Drawing F-1, Imported Fill Investigation Plan, we offer the following:

- The Fill Investigation Plan has satisfactorily identified the extent of the imported fill material as outlined on Drawing F-1.
- The Applicant has agreed to remove the fill material, which was delineated and estimated as 704 cubic yards (yds³) of imported material.

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- The imported fill material should be disposed of properly at a NYSDEC approved disposal facility. All removed material should be properly documented and manifested from the subject property to the disposal facility.
- Following fill removal, end-point soil samples should be collected to confirm that all the imported material has been removed to the extent practical. The end-point soil samples should be sent to a New York State certified laboratory to be analyzed for the following parameters:
 - Volatile organic compounds (VOCs) using EPA Method 8260
 - Semi-VOCs using EPA Method 8270 (full list)
 - Target Analyte List (TAL) Metals
 - Poly Chlorinated Biphenyls (PCBs) using EPA Method 8080
 - Herbicides and Pesticides using EPA Method 8081
- A Fill Removal and End-point Soil Sampling Plan (Excavation Work Plan) should be submitted to the Town by the Applicant for approval prior to fill removal. Based on the areal extent of the fill area, a minimum of two (2) five part composite soil samples (for all listed parameters above, excluding VOCs) and six (6) discrete grab samples for VOCs should be collected in accordance with NYCRR Part 360 Regulations.
- A fill removal summary report should be compiled and submitted to the Town after all imported material is removed.

HES would be pleased to answer any questions related to this matter, or attend any future meetings as required.