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Report. VCP. VOO444. 2002-02-20. Groundwater_ Sampling_Proposal

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FILE COPY

To: John Olm

Fax: 518-402-7859

From: Joseph Moloughney

Date: February 20, 2002

Pages: 5, including cover sheet.

John,

Here is the volunteer's proposal for groundwater sampling at the site. Please review it and get your comments back to me as soon as you have time. If you don't have any major issues, a VCP investigation concurrence letter would be greatly appreciated.

Thanks,
Joe

fax

From the desk of...

Joseph Moloughney, P.E.
Environmental Engineer 2
NYS Dept. of Environmental Conservation
625 Broadway
Albany, New York 12233-7017

518-402-9671
Fax: 518-402-9679

Ecosystems Strategies, Inc. *Environmental Services and Solutions*

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TRANSMITTAL COVER SHEET

DATE: February 15, 2002 PAGES: (including cover sheet) 4

TO: Joe Moloughney
NYSDEC, Environmental Engineer 2

FAX: (518) 402-9679 PHONE: (518) 402-9671

RE: Barney Cohen Site, Beacon, New York
ESI File Number: SB2096.40

COMMENTS:

As per our discussion, attached please find our Proposed Scope of Services for the Groundwater Investigation at the above-referenced property. Please contact me at (845) 452-1658 should you have any questions or comments.

✓ Please confirm receipt ____ No reply necessary

Hard copy to follow: ☐ U.S. Mail ☐ Priority Mail ☐ Express Mail
☐ Federal Express ☐ Airborne Express ☒ None

cc: File

If you do not receive all transmitted pages, please contact us immediately at (845) 452-1658.

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ATTACHMENT A

Proposed Scope of Services
for a
Groundwater Investigation

Barney Cohen Property
Red Flynn Drive
City of Beacon, Dutchess County, New York

Objective:

The services outlined below are intended to further document groundwater conditions on the above-referenced property.

Task 1.0 Field Work Support Service/Site Preparation

Prior to the implementation of the field work ESI will provide the following preparatory services:

- *Coordination with Subcontractor* - ESI will communicate with the laboratory and data validator in advance to confirm availability.
- *Coordination of Site-Specific Health and Safety Plan* - ESI will be responsible for enforcing the already-prepared site-specific health and safety plan, as it relates to those tasks detailed below.
- *Utility Markout* - ESI will arrange for a utility markout by calling One Call Alert Systems, Inc

Task 2.0 Groundwater Sampling Program

Six soil cores will be extended throughout the property (see attached Map). Borings will be extended using a manually-driven Geoprobe unit with replaceable acetate sleeves. Equipment will be decontaminated between boring locations and depths to prevent cross-contamination. Decontamination procedures will consist of consecutive rinses of soapy water, de-ionized (or similarly pure) water, methanol rinse, de-ionized water, nitric acid, and de-ionized water. "Decon" water will be collected and disposed of properly. Exact locations will be based on conditions encountered at the time of field work, but approximate locations are provided in the attached Field Work Map.

At each coring location, dedicated 1" slotted PVC screening will be placed in the hole, extending five feet below the groundwater level. Groundwater will be sampled using dedicated, disposable, polyethylene bailers to avoid cross-contamination. Each groundwater sample will be collected in appropriate sample jars, pre-cleaned and properly preserved at the laboratory.

Will these be left in-place? If so, will a filter pack be installed w/ the PVC screen?

↳ Volunteer says no. If signif. contam. found, new wells to be installed.

"NYSDOH ELAP-certified"

After sample collection, the containers will be placed in a cool (4°C), dry place prior to their transport via overnight delivery to a New York State Department of Health-approved laboratory. All samples will be accompanied by proper chain of custody documentation.

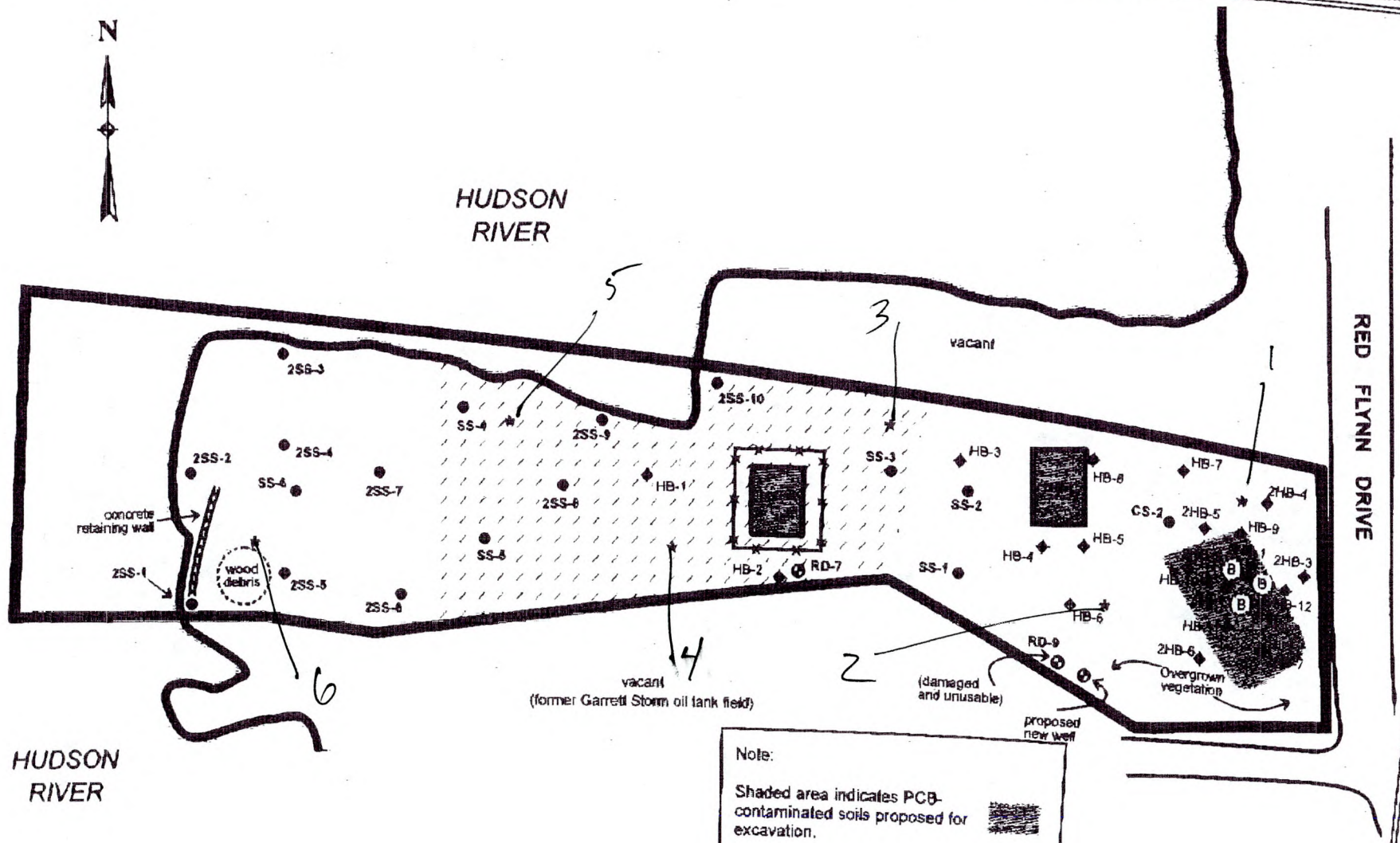
An assessment of subsurface soil characteristics, including soil type, the presence of foreign materials, field indications of contamination (e.g., unusual coloration patterns or odors), and instrument indications of contamination (i.e., PID readings) will be made by ESI personnel during the soil excavation and recorded in field logs. Air monitoring will be continuously performed to detect the presence of organic vapors in the breathing zone and at the borehole. A PID will be used to make these measurements.

All groundwater samples will be analyzed for RCRA metals and PCBs (USEPA Method 8080). Two groundwater samples will also be analyzed for SVOCs and VOCs using USEPA Method 8270 and 8260, respectively.

Task 4.0 Preparation of Letter Report and Incorporation into Workplan

Upon completion of all investigative services, a Final Letter Report will be prepared for the Client. The report will include a summary of all field activities, including field work methodology and observations, copies of laboratory data, maps, and other pertinent information. An interpretation of all data will be provided. The report will document site conditions and provide recommendations for any further environmental testing or remediation, if warranted. This information will also be incorporated in to the Workplan for submittal to the NYSDEC.

If samples are turbid, a filtered and unfiltered sample should be analyzed for metals and PCBs. VOC and SVOC samples do not need to be filtered. see TAGM 4015.



Note:

Shaded area indicates PCB-contaminated soils proposed for excavation.

Hatched portion of subject property indicates area where total lead levels are less than 400 ppm.

Feature locations are approximate.

Proposed Field Work Map

"Beacon Salvage"
Red Flynn Drive
City of Beacon
Dutchess County, New York

Legend:

- subject property border
- former hand boring location/samples taken 6/30/00 HB-2
- former hand boring location/samples taken 8/15/00 2HB-2
- surface soil SS-1
- monitoring well RD-1
- Burn spot (B)
- Proposed groundwater sampling point
- composite sample CS-1

ESI File: SB2096.40
February 2002
Scale: 1" = 100' (approximately)
Attachment A