ARCADIS
295 Woodcliff Drive
Third Floor
Suite 301
Fairport
New York 14450
Tel 585.385.0090
Fax 585.385.4198
www.arcadis-us.com

Mr. Eric Hausamann
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Remedial Bureau E, Section B
Albany, New York 12233-7017

Subject:
Limited Soil Investigation Work Plan
Former Air Force Plant (AFP) No. 51 Property
Greece, New York

Date:
May 28, 2014

Contact:
Aaron D. Richardson

Phone:
585.662.4024

Email:
aaron.richardson @arcadis-us.com

Our ref:
B0000560.0000

Dear Mr. Hausamann:

On behalf of the Monroe County Water Authority (MCWA), ARCADIS is submitting this *Limited Soil Investigation Work Plan* (Work Plan) to conduct a limited soil investigation at the former Air Force Plant (AFP) No. 51 property adjacent to the Shoremont Water Treatment Plant (SWTP) located in Greece, New York (site). The New York State Department of Environmental Conservation (NYSDEC) requested the limited soil investigation be conducted to characterize soil conditions at a portion of the AFP No. 51 property that is proposed for a site boundary modification.

Background

As you are aware, the MCWA is interested in purchasing a portion of the AFP No. 51 property, which is listed in the New York State Registry of Inactive Hazardous Waste Disposal Sites as Site No. 828156. The portion of the property that the MCWA is interested in purchasing measures approximately 50 feet by 350 feet and is located immediately south of the MCWA SWTP property, and west of Dewey Avenue, as shown on Figure 1. In addition, MCWA proposes to purchase a 100 foot by 50 foot strip of land from the parcel immediately to the east of the AFP No. 51 property. For the purposes of this Work Plan, the area is referred to as the “proposed parcel”. As discussed in communications between the MCWA and the NYSDEC documenting that soil within the proposed parcel is not contaminated is the first step to have a boundary modification performed, allowing the proposed parcel to be removed from the New York State Registry of Inactive Hazardous Waste Disposal Sites.

Objective

The objective of this limited soil investigation is to document the current condition of surface soils at the proposed parcel. For the purposes of this investigation, surface soils are defined as soils between 0 and 2 feet below ground surface (bgs). The details for Work Plan are discussed below.

Scope of Work

Prior to mobilization, Dig Safely New York will be notified to confirm that no registered underground utilities are present within the proposed investigation area. Once utilities have been cleared in the area, ARCADIS will collect four surface soil samples and one subsurface soil sample from the approximate locations shown on Figure 1. Surface soil samples will be collected with disposable hand trowels at 0 to 2 inches bgs. The subsurface soil sample will be collected by manually advancing steel macro-core sampling tools to a target depth of 24 inches bgs. This tooling will allow the soil sample to be taken continuously using new, clean acetate liners. When the acetate liner is removed, the soil sample will be collected from the 12 to 24 inches bgs interval.

For each soil sample location, the soil will be initially screened using a photoionization detector equipped with an 11.7-electron volt bulb, and placed directly into sample containers. If necessary to obtain additional soil volume, a second soil boring (paired with the initial soil boring) may be completed directly adjacent (within 1 foot) to the initial soil boring. Upon collection of each soil sample, the field data (e.g., soil headspace readings, soil description) will be recorded.

Soil samples will be packaged and transported to Paradigm Environmental Services, Inc. Soil samples will be analyzed for the following parameters:

- Target Compound List (TCL) volatile organic compounds via United States Environmental Protection Agency (USEPA) Method 8260
- TCL semivolatile organic compounds via USEPA Method 8270
- TCL pesticides via USEPA Method 8081
- TCL polychlorinated biphenyls via USEPA Method 8082
- Target Analyte List metals via USEPA Method 6010/7471

Upon completion of the sample collection at each location, unused soil material will be returned to the respective sample location. Remaining void space in the boring will be filled with sand (note: due to the shallow nature of the boring, sealing the boreholes with bentonite will not be necessary) and topsoil will be placed at the surface of each sample location. Due to the limited scope and minimal soil disturbance anticipated, no community air monitoring will be conducted.

Decontamination

Because soil samples will be obtained using clean, new acetate liners and disposable (one-time use) nitrile gloves and steel trowels, the possibility of cross-contamination from sample collection equipment will be eliminated. All tooling anticipated to be exposed to soil will be cleaned prior to use at the site, but no decontamination will be required at the site.

Reporting

Upon completion of the sampling and analysis work, a letter report will be prepared and submitted to the NYSDEC. The letter report will include a description of the work activities and tables and figures summarizing the analytical results, with comparisons to the NYSDEC's Part 375 Soil Cleanup Objectives for Commercial Use.

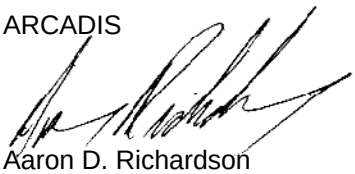
Schedule

Upon approval of this Work Plan by the NYSDEC, ARCADIS will notify the NYSDEC with the date that the sampling activities will be conducted. The duration of the field activities is anticipated to be 1 day, with laboratory analysis of the samples to be completed on a standard turnaround time (2 weeks). Once the laboratory results are received, it is anticipated that the letter report will be submitted to the NYSDEC within 2 to 3 weeks.

If you have any questions, please contact me at 585.662.4024.

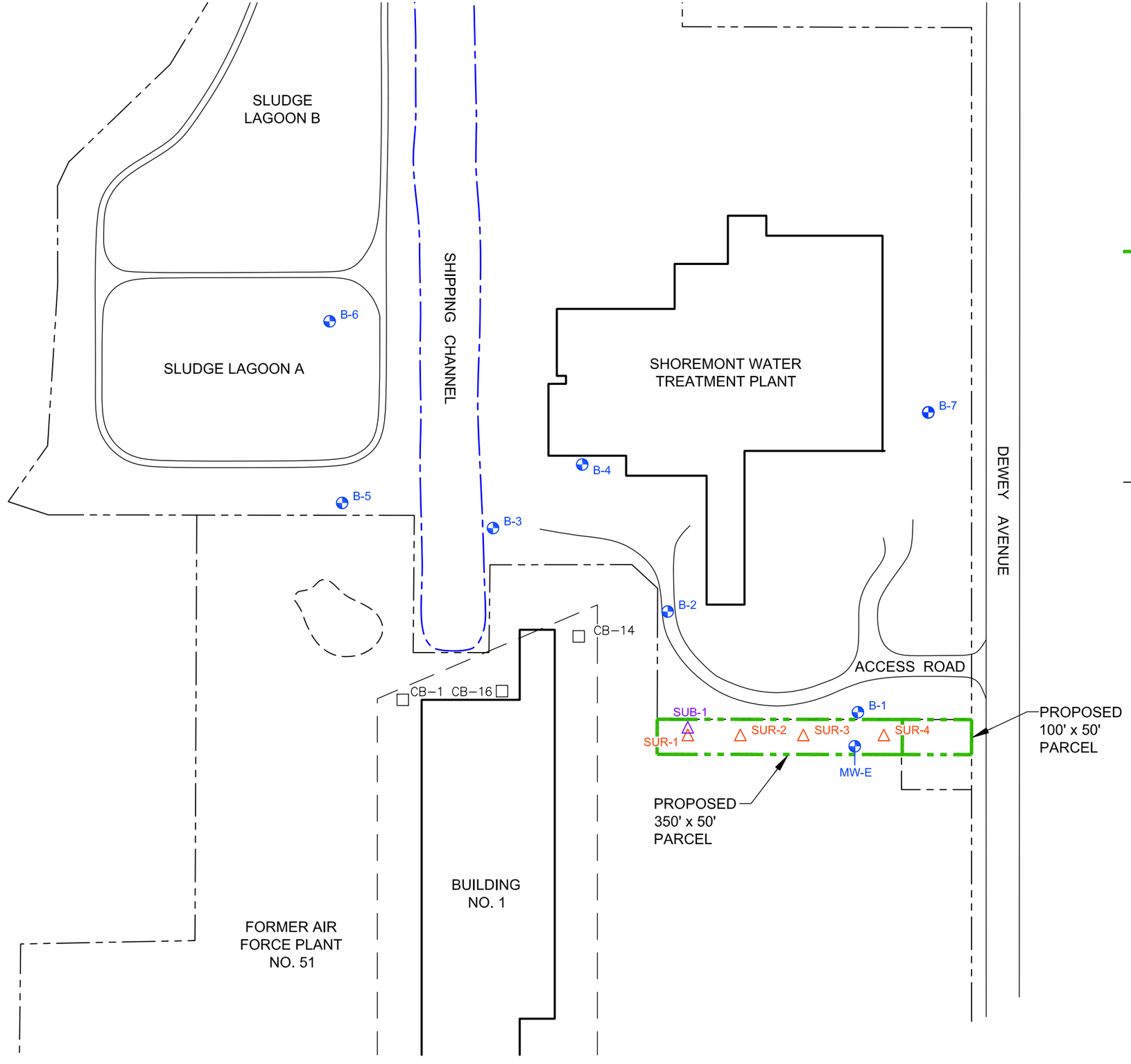
Sincerely,

ARCADIS



Aaron D. Richardson
Project Engineer II

Copies:
Mr. Stephen Savage, P.E., Monroe County Water Authority
Mr. John C. Perriello, P.E., ARCADIS



LEGEND:

- PROPOSED PROPERTY BOUNDARY
- SUR △ — PROPOSED SURFACE SOIL SAMPLE (0-2 INCHES) - FULL TAL/TCL SUITE
- SUB △ — PROPOSED SUB-SURFACE SOIL SAMPLE (12-24 INCHES) - FULL TAL/TCL SUITE
- ⊕ — EXISTING MONITORING WELL LOCATION
- CB–1 □ — STORMWATER CATCH BASIN (APPROXIMATE LOCATION)
- PROPERTY LINE

NOTES:

1. BASE MAP DIGITIZED FROM PHOTOCOPY SUPPLIED BY MCWA AT AN APPROX. SCALE OF 1"=150'.
2. LOCATIONS ARE APPROXIMATE.

0 150' 300'

GRAPHIC SCALE

MONROE COUNTY WATER AUTHORITY
SHOREMONT TREATMENT PLANT
GREECE, NEW YORK

PROPOSED SOIL BORING LOCATIONS

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FIGURE 1

CITY: SYRACUSE NY DIV/GROUP: ENVCAD DB: L. FORAKER, K. SARTORI, E. KRAHMER PIC: (Opt.) PM/TM: A. RICHARDSON LYR: ON="*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVE\B00005600\0000\0000011\DWG\005600G01.DWG LAYOUT: 1 SAVED: 5/27/2014 3:28 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 5/27/2014 3:30 PM BY: KRAHMER, ERIC
XREFS: 005600X01 AerialLpng 005600X00 Tax map.dlf IMAGES: PROJECTNAME: ---