January 25, 2016

CERTIFIED MAIL
7014 1820 0001 3560 8787

University of Massachusetts Boston
100 Morrissey Boulevard
Boston, MA 02125-3393

RE: BOSTON – UMass Boston Campus
Utility Corridor & Roadway Relocation
Project
100 Morrissey Boulevard
RTN: 3-31002

Attn: Zehra Schneider-Graham, Deputy Director EH & S

UTILITY-RELATED ABATEMENT MEASURE CONDITIONAL APPROVAL
M.G.L. Chapter 21E & 310 CMR 40.0000

Dear Ms. Graham:

On January 13, 2016, the Department of Environmental Protection (MassDEP) received a Utility-Related Abatement Measure (URAM) Status Report #6 from you for the performance of a utility-related remedial action to the north of the Calf Pasture Pump Station at the UMass Boston Campus. The URAM Status Report was prepared by William R. Norman, a Licensed Site Professional (License #8945) with GZA GeoEnvironmental, Inc. (GZA), and was submitted to MassDEP pursuant to 310 CMR 40.0465 of the Massachusetts Contingency Plan (MCP).

Proposed Remedial Actions

The remedial actions proposed in the URAM Status Report involve excavation of an estimated 16,000 cubic yards of soil/material and stockpiling in the area to the north of the Calf Pasture Pump Station. This material is being excavated to allow for the installation of pile caps and the construction of other utilities such as natural gas lines, domestic and fire protection water lines, sanitary and storm sewers, electric power, data telecom, and thermal (chilled and hot water) lines. The provisions for managing and handling contaminated soil/material are contained in a Revised Excavated Material
Management Plan (EMMP) and the provisions for air monitoring/sampling for asbestos are contained in a Perimeter Asbestos Air Monitoring Plan, both of which are appended to URAM Status Report #6. Below are highlighted remedial actions proposed within the Revised EMMP:

1. Wetting and misting of soil while excavating, culling oversized materials such as concrete, metal, brick, stone and tires (via an excavator), transporting, stockpiling and backfilling with non-contaminated, imported fill immediately beneath and around utilities. Excavated soils and materials will not be mechanically processed, screened, crushed, or re-used as backfill after culling. They will be stockpiled and adequately covered and secured pending submittal of a written plan from UMass Boston detailing the management of remediation waste at the site, and MassDEP approval.

2. Covering stockpiles (daily) with GeoMatrix spray or polyethylene to minimize the potential for dust and erosion.

3. Decontaminating all equipment that has, or is suspect to have, come into contact with contaminated material, prior to being moved out of a work zone. Decontamination facilities will be constructed in the locations adjacent to the work area(s) utilizing two layers of 0.45 rubber roof membrane sufficient in length and width to accommodate cleaning of all heavy equipment, trailers and dumpsters prior to exiting the work area(s). Decontamination will include wheel washing of all heavy equipment including vehicles exiting the work areas. The wash water will be collected and pumped into a fractionization tank to be processed through a 5-micron in-line filtering system and reused as a wetting agent.

4. Covering truck loads of excavated soil/material and imported soil/stone to minimize the potential for dust as it is transported on the site.

5. Spraying roadways with water to minimize the potential for dust.

6. Sampling and monitoring for air-borne asbestos and dust and implementing dust suppression methods, such as a water spray application or cessation of work.

The utility-related remedial actions proposed within the URAM Status Report #6 may proceed, contingent upon your adherence to the following conditions and to the provisions of the Revised EMMP and Perimeter Asbestos Air Monitoring Plan and all applicable MassDEP policies governing response actions. Your initiation of the activities will constitute your understanding and acceptance of these conditions.

**Site-Specific Conditions**

- A “marker barrier”, serving as a demarcation layer between the contaminated soil and the upper “clean cap” material, must be installed under all paved surfaces, including sidewalks and roadways in addition to being installed in all excavated areas not covered by pavement, with the exception of areas covered by buildings.
- Results of ambient air samples shall be supplied to MassDEP daily on the day the samples are collected. All air sample results required by this approval shall be sent to NERO.Asbestos@state.ma.us only.
- If any ambient air sample results reach or exceed 0.010 f/cc, work shall cease and MassDEP shall be notified immediately.
- If visible emissions are observed, work must cease and MassDEP shall be notified immediately.
- Any changes to the proposed work plans shall be submitted to MassDEP for review and approval prior to implementation.
General Conditions

1.) This response action must be performed in a manner and to a degree which ensures the protection of human health, safety, public welfare and the environment;

2.) This response action must be conducted under the direct supervision of a competent professional with specific experience in site remediation/environmental engineering practices, using good engineering procedures and accepted construction practices, and must be managed, supervised, actually performed, or periodically reviewed by a Licensed Site Professional;

3.) Except as provided in 310 CMR 40.0466(4), this URAM will not be considered complete until all stockpiled/stored Remediation Waste generated as a result of these activities has been removed from the site or reused on-site pursuant to the provisions of 310 CMR 40.0030.

4.) Remediation waste may be stored, treated, managed, disposed, recycled or reused at the site, following submission to MassDEP of a URAM Completion Report and Completion Statement only if:

   (a) such actions are conducted in conformance with the provisions of 310 CMR 40.0030; and
   (b) a Release Abatement Measure Plan pursuant to the provisions of 310 CMR 40.0440 or a Remedy Implementation Plan pursuant to the provisions of 310 CMR 40.0870 is submitted to MassDEP as an attachment to the URAM Completion Statement.

   Your cooperation in this matter is appreciated. If you have any further questions regarding this matter, please contact Valerie Thompson at (978) 694-3348 or at the letterhead address. All future correspondence regarding this location must reference the DEP Release Tracking Number listed in the subject heading.

Very truly yours,

Valerie A. Thompson
Environmental Analyst
Brownfields

Joanne Fagan
Section Chief
Brownfields/Audits
Bureau of Waste Site Cleanup
Cc:  Data Entry/File

cc:  Cc via email:
    John O’Donnell, John.odonnell@massmail.state.ma.us
    Edward M. Lambert, Ed.Lambert@umb.edu
    Sean Regan, SRegan1@umassp.edu
    William Norman, William.norman@gza.com
    Cynthia Campisano, ccampisa@eheinc.com
    Jason Ressler, Jason.Ressler@gza.com
    Dorothy Renaghan, Dorothy.Renaghan@umb.edu
    John Pilling, John.pilling@gza.com
    James Velleman, jimV@BVHis.com
    Peter L. Schneider, Peter.Schneider@umb.edu
    John Macauley, John.Macauley@state.ma.us