

## **B.3 STATEMENT OF WORK**

### **Soil Sampling for Asbestos in Crawlspace at the VA Boston Healthcare System –Jamaica Plain and Brockton Campus’**

#### **1.0 Introduction**

VA Boston Healthcare System is requesting the services to collect bulk sampling of dirt in all the crawlspaces at all three campuses to determine if the soil contains asbestos.

#### **2.0 Background**

The crawl spaces house the hospital utilities such as steam pipes, water distribution, electrical and sewer. Between the late 1980s and 1990 all asbestos containing pipe wrap was abated. There is a concern that damaged asbestos pipe wrap may have fallen into the soil over time, prior to the abatement.

The objective of the soil sampling is to gain an understanding of the extent of asbestos contamination in all the crawlspaces. The information collected during the survey will be used to as part of the hazard analysis for the crawlspaces.

#### **3.0 Safety Requirements**

It shall be the Contractor’s responsibility to perform all tasks in compliance with the applicable federal, state and local laws and regulations for collecting, handling and transporting of materials for testing. Most areas identified within the Scope are considered to be either a Confined Space or Permit Required Confined Space. For the Permit required confined spaces, our safety department will review the contractors entry procedures and permit. The Contractor is responsible for retaining the entrant, supervisor and emergency rescue crew for permit required confined space entry.

#### **4.0 Scope**

**Period of Performance** – Date of Government Award – 01/31/2016

##### **Soil Sampling**

The contractor shall provide all of the necessary personnel, supervision, labor, equipment, materials, and disposal necessary to provide soil sampling for asbestos fibers. Soil samples will be taken in all the crawlspaces in the VA Boston Healthcare System. An estimated total of up to 250 soil samples will be taken from each 500 square foot gridded areas of each crawlspace (i.e. 1 sample taken per 500 square feet of crawlspace). We are also requesting pricing for an additional 30 samples, should there be a need; the additional 30 samples are

**not guaranteed.** The following is a list of buildings by campus with estimated square footage of dirt crawlspace:

**Brockton (940 Belmont Street, Brockton, MA 02301)**

Bldg. 1 – 11,975 sq.ft.

Bldg. 2 – 7,300 sq.ft.

Bldg. 3 – 7,990 sq.ft.

Bldg. 4 – 11,200 sq.ft.

Bldg. 5 – 4,397 sq.ft.

Bldg. 8 – 7,800 sq.ft.

Bldg. 22 – 3,260 sq.ft.

Bldg. 24 – 281 sq.ft.

Bldg. 25 – 13,545 sq.ft.

Bldg. 60 – 672 sq.ft.

Bldg. 61 – 1,425 sq.ft.

Connecting Corridors Tunnel – 14,430 sq.ft.

**Jamaica Plain (150 South Huntington Ave., Jamaica Plain, MA 02130)**

Bldg. 1 sub-basement – 19,000 sq.ft.

Bldg. 2 - 2,000 sq.ft.

Bldg. 1B – 2,000 sq.ft.

The data will be used to identify soil samples as asbestos containing material, trace levels of asbestos detected (<1%) or clean. All sampling will be conducted by a Certified Asbestos Inspector and taken at a depth of up to 3 inches. Samples will be sent to a Massachusetts certified laboratory and analyzed by method EPA 600.

Follow up analysis will be completed on all samples that are initially determined to be positive for asbestos. The follow up analysis method used will be TEM ENV-004. **Since we have no way of knowing what percent will need the second analysis until the initial testing is done, please assume 100% of the samples will need the second analysis. With that being said, since the TEM ENV-004 analysis usage is unknown, the total estimated (250) units are not guaranteed and will be used on an “as-needed” basis.**

## **5.0 Performance Requirements**

Contractor shall provide a licensed Asbestos Inspector to collect all the samples. All samples will be collected in accordance with the above referenced methods and submitted to a laboratory certified in Massachusetts under chain of custody.

## **Deliverables**

**Deliverable 1:**

Contractor shall provide the sampling results of the soil samples in electronic and hard copy.

**Deliverable 2:**

Contractor shall provide a summary report that includes the results of the samples, sample locations, and recommendations in electronic and hard copy.