



January 17, 2014

Bonnie McPadden
McPadden Realty
70 Route 106
North Springfield, VT 05150

RE: Additional contaminated soil removal and disposal, 201 Whitney Road, Springfield, VT.
Excavation activities summary and cost estimate.

Dear Mrs. McPadden:

Environmental Products & Services of Vermont, Inc. (EPSVT) hereby presents the following quotation for additional services to be performed at your Springfield, VT site (**Figure 1**). EPSVT has performed the work outlined in our January 2nd Inspection and Contaminated soil removal proposal as approved by yourself and Freddie Mac. The contaminated soil removal, stockpiling and drilled well sampling occurred on January 14th and 15th of this week. The aboveground storage tank (AST) was removed from the basement and inspected and was noted to be severely pitted with one noticeable “pin” hole in the bottom. Contaminated soils below the AST were then shoveled into 5 gallon pails and carried upstairs to a temporary soil stockpile location in front of the 2 bay garage. Soils were placed on plastic sheeting to prevent contamination of the driveway surface.

Soils were continuously screened via properly calibrated photoionization detector (PID) during the excavation process utilizing the bagged headspace method. Soils are placed into a sealed ziplock bag and allowed to volatilize. The headspace is then measured with the PID. Volatile Organic Compound (VOC) concentrations increased with depth as the excavation progressed on January 14th. At the end of the day VOC concentrations of up to 250 parts per million (ppm) were noted at 12” below grade directly below the AST.

EPSVT returned to the site on January 15th to continue with excavation activities. The excavation was expanded to depths of 1’-3’ below grade in a 48 square foot area. Bagged soil samples were collected from below the homes south and east stone wall foundation and PID assays of up to 200 ppm, were noted (**Figure 2**). Contamination also was noted to extend in all directions as evidenced by elevated PID readings in the excavation sidewalls (indicated on **Figure 2**). At this point it is evident that contamination of soils exists below and likely beyond the footprint of the building. Due to the fact that the building is slated for demolition, EPSVT strongly recommends that the remaining contaminated soil be removed via excavator after the demolition of the home. Alternate technologies such as soil vapor extraction (SVE) could be explored if the home were to stay in place but further definition of the contaminant plume outside of the home would be necessary via geo-probe techniques. For the sake of this cost estimate EPSVT will assume the home will be removed prior to continued soil excavation. An estimated 12 tons of contaminated soil is currently stockpiled on site at this time.

EPSVT will provide all labor, materials and equipment necessary to perform the following tasks:

Task 1:

1. Contaminated soils will be removed via excavator after the demolition of the home. Soils will be screened via PID until all contaminated soil has been removed to the extent possible;

TASK 1 – Soil excavation via 17,000 lb excavator (1 day)

Staff scientist	12	hours	@ \$	73.00 /hour	\$	876.00
Light Duty Vehicle	1	shift	@ \$	139.00 /shift	\$	139.00
PID	1	shift	@ \$	134.00 /shift	\$	134.00
Plastic sheeting	1	roll	@ \$	90.00 /roll	\$	90.00
Excavator Mob-demob	1	job	@ \$	600.00 /job	\$	600.00
Equipment operator	8	hours	@ \$	50.00 /hour	\$	400.00
17,000 lb excavator	1	day	@ \$	700.00 /day	\$	<u>700.00</u>

ESTIMATED TOTAL TASK 1 – \$ 2,939.00

TASK 2 – Soil Loading and Disposal

Loading	1	day	@ \$	1,000.00 /day	\$	1,000.00
Disposal	50	tons	@ \$	48.00 /ton	\$	2,400.00
Transportation	2	loads	@ \$	1,080.00 /load	\$	<u>2,160.00</u>

ESTIMATED TOTAL TASK 2 – \$ 5,560.00

TASK 3 – Summary Reporting (as required by the VDEC)

Summary Report	1	each	@ \$	900.00 /report	\$	<u>900.00</u>
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ESTIMATED TOTAL TASK 3 – \$ 900.00

TOTAL TASKS 1-3 - \$ 9,399.00

Above costs are based on the following items:

1. A customer representative must be present for the signing of all shipping documents.
EPSVT will assist in the completion of these forms.
2. Customer is responsible for all applicable taxes.
3. Work will conform to all local, state, and federal regulations.
4. Free and easy access for personnel and equipment.
5. Disposal price is subject to verification upon facility's approval of waste stream.
6. Actual volumes and drum totals will be invoiced.

7. Additional waste streams found will be disposed of at our T&M rates.

This quotation is valid for 30 days from the above date and subject to verification thereafter.
Applicable taxes are separate items. Standard payment terms are cash in advance, or Check/Visa/MasterCard or approved credit with application.

The customer agrees to indemnify, exonerate, and hold Environmental Products & Services of Vermont, Inc. harmless against loss, damage, or expense, by reasons of suits, claims, demands, judgments, and causes of action for personal injury, death, or property damage rising out of or in any way in consequence of the performance of all work undertaken by Environmental Products & Services of Vermont, Inc. except that in no instance shall the customer be held responsible for any liability claim demand or cause of action attributable solely to the negligence of Environmental Products & Services of Vermont, Inc.

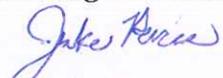
If you are in agreement with this proposal, please sign below and return a copy for our files.
This proposal is understood and accepted:

By: _____ Date

If you have any questions or require additional information, please contact me at (802) 862-1212, Fax (802) 860-7445 or jpeirce@epsosvermont.com.

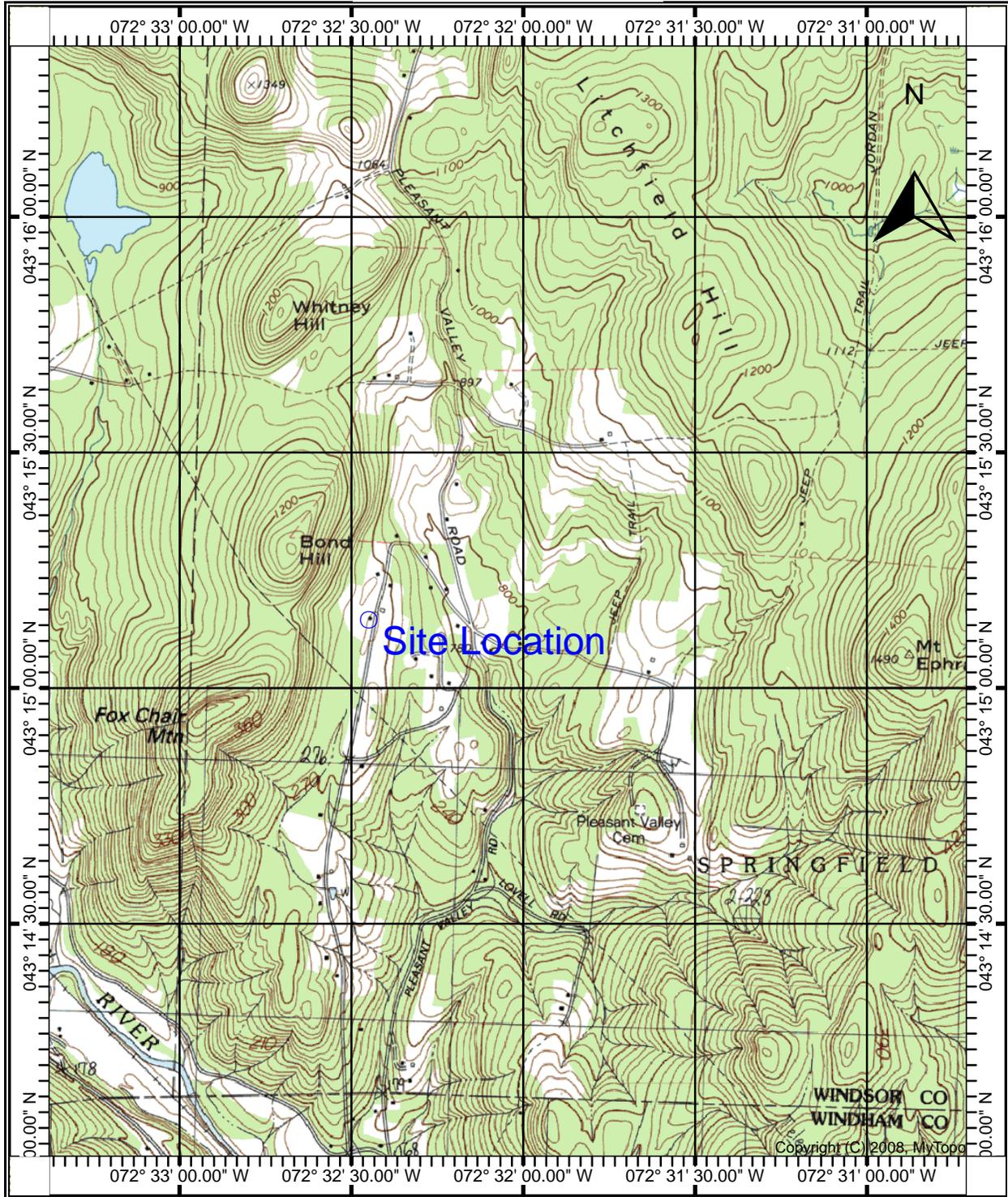
Sincerely,

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.
Burlington Branch


Jake Peirce
Staff Scientist

201 Whitney Road
Springfield, VT

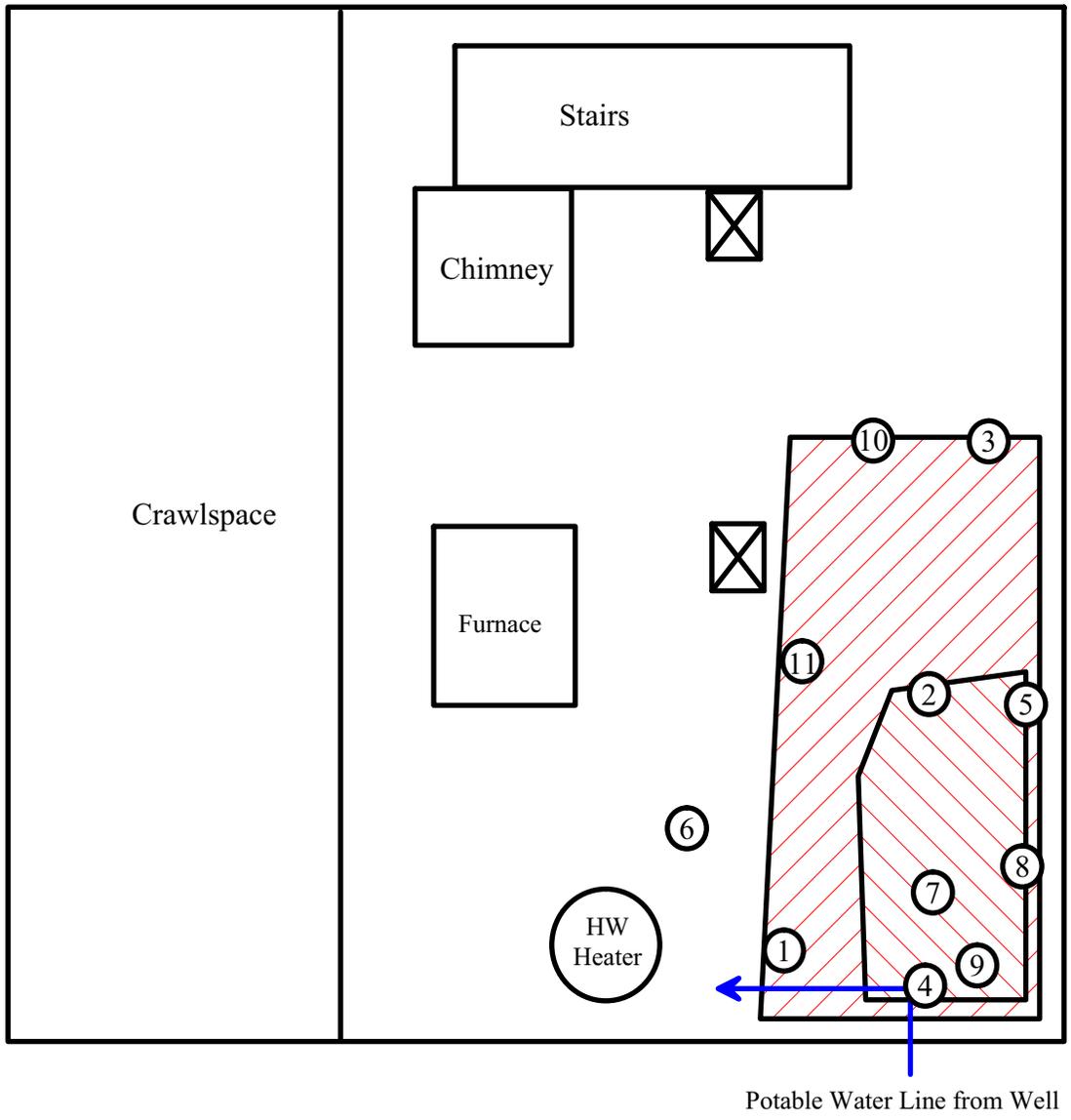
General Location Map



SCALE 1:24000



FIGURE 1



-  Extent of Excavation (1' deep)
-  Extent of Excavation (3' deep)
-  Support Column
-  PID Assay Location
-  129 ppm @ 2'
-  292 ppm @ 2'
-  65 ppm @ 1'
-  46 ppm @ 3'
-  62 ppm @ 2'
-  96 ppm @ 1'
-  107 ppm @ 3'
-  200 ppm @ 3'
-  320 ppm @ 3'
-  205 ppm @ 2'
-  170 ppm @ 2'



Scale
Not to Scale

Site Description
201 Whitney Road
Springfield, VT 05156

EPSVT Project # v3653 **Date** 01/2014

Map Title Figure 2: Site Sketch