



Dec 10 9 37 AM '99

November 17, 1999

Mr. Jon Leonard
Vaillancourt Tree and Landscape Service
PO Box 55
Pittsford, VT 05763

RE: Soil Stockpile Monitoring, Vaillancourt Tree and Landscaping Service, Pittsford, VT,
(SMS Site #98-2582)

Dear Mr. Leonard:

On September 30, 1999, a Griffin International, Inc. (Griffin) technician conducted field screening of petroleum contaminated soils currently stockpiled at the Vaillancourt Tree and Landscaping Service (Vaillancourt) property in Pittsford, VT (See attached Site Location Map). The soil was generated during the removal and permanent closure of one, 2,000-gallon, underground storage tank (UST) formerly used to contain gasoline, on December 28, 1998, at the Vaillancourt property. The soil stockpile is located north of the Vaillancourt office (see attached site sketch). The total volume of petroleum contaminated soil stockpiled at the site is approximately 10 cubic yards.

Ten discrete soil samples were collected from various locations within the stockpile with the use of a stainless steel hand auger. Samples were placed in plastic bags and screened individually in the field for total volatile organic compounds (TVOCs) with the use of an HNu HW-101 photoionization detector (PID) equipped with a 10.2 eV lamp, which was calibrated that day prior to screening. Sample locations are depicted on the attached Site Sketch. Soil samples from the soil stockpile exhibited an average headspace concentration of 14 parts per million volume (ppmv). Soil samples were collected from a depth of 1.5 feet within the soil stockpile, which is approximately 3 feet high. Soil screening results are summarized below.

Sample ID	Depth (ft)	Headspace Conc. (ppmv)	Sample ID	Depth (ft)	Headspace Conc. (ppmv)
1	1.5	6.4	6	1.5	30
2	1.5	9.6	7	1.5	22
3	1.5	13	8	1.5	12.2
4	1.5	16.2	9	1.5	10.4
5	1.5	17.4	10	1.5	4.6

No visual evidence of contamination was reported in the soil samples. Petroleum odors were observed on the soil samples.

Once the headspace concentration of TVOCs are less than 1.0 ppmv for all samples collected from within the pile in a single soil screening round, and there is no visual or olfactory evidence of contamination, the soil may be thin spread on-site following approval from the Vermont Department of Environmental Conservation (VTDEC). The site may then be recommended for removal from the VTDEC Hazardous Sites list.

Based on the results of this soil screening, Griffin recommends that the petroleum contaminated soil at Vaillancourt continue to be screened for TVOCs on an annual basis to track and document the expected decrease in contaminant concentrations within the pile. The plastic liner below and covering the stockpile should be regularly inspected and maintained as necessary by Vaillancourt personnel in accordance with VTDEC *Agency Guidelines for Petroleum Contaminated Soils*, dated August 1996.

Please call should you have any questions or comments.

Sincerely,



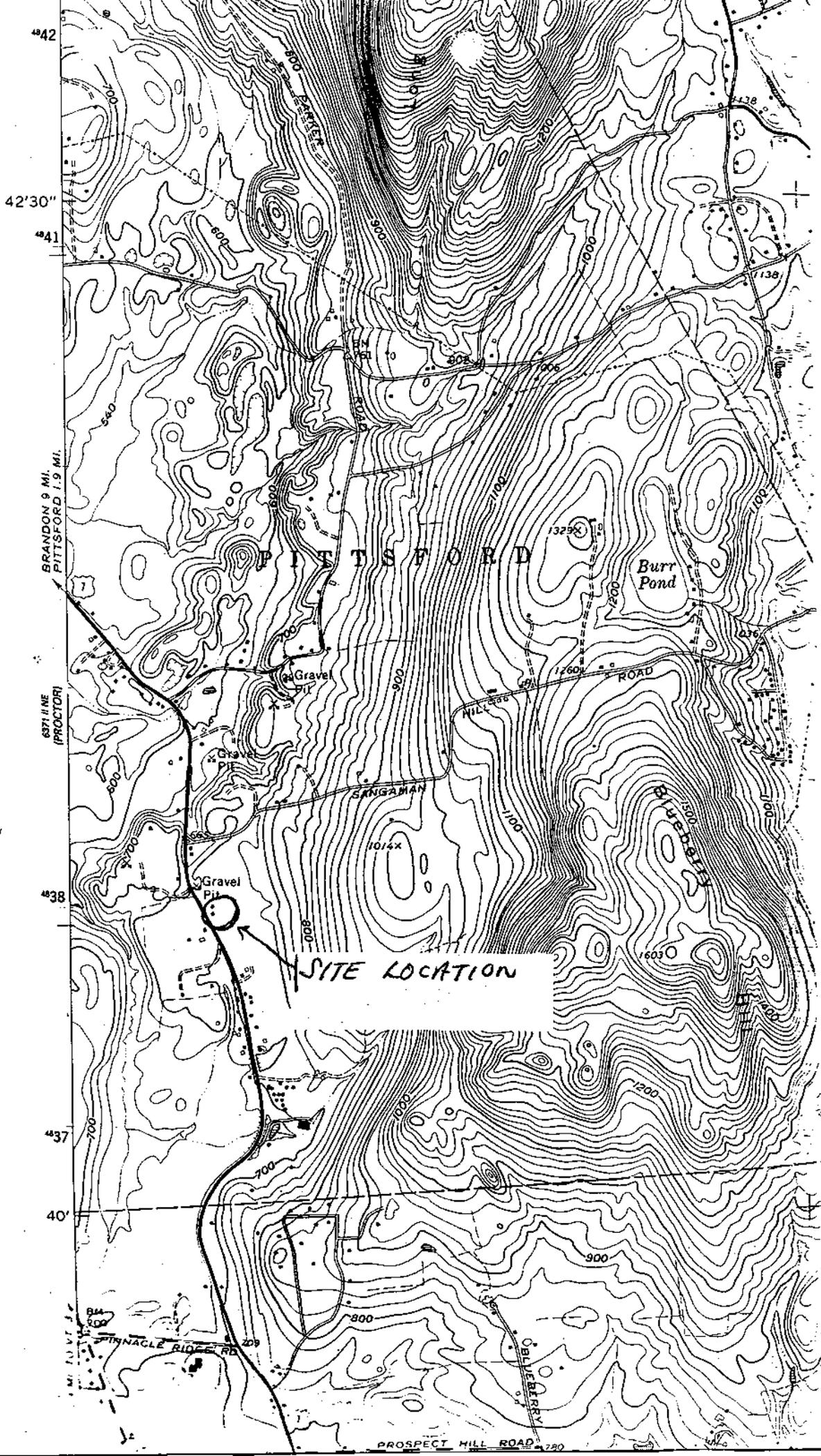
Timothy J. Kelly, PG
Staff Geologist

Attach.

c: Chuck Schwer
GI #39941494

N
↑
1" = 2000'

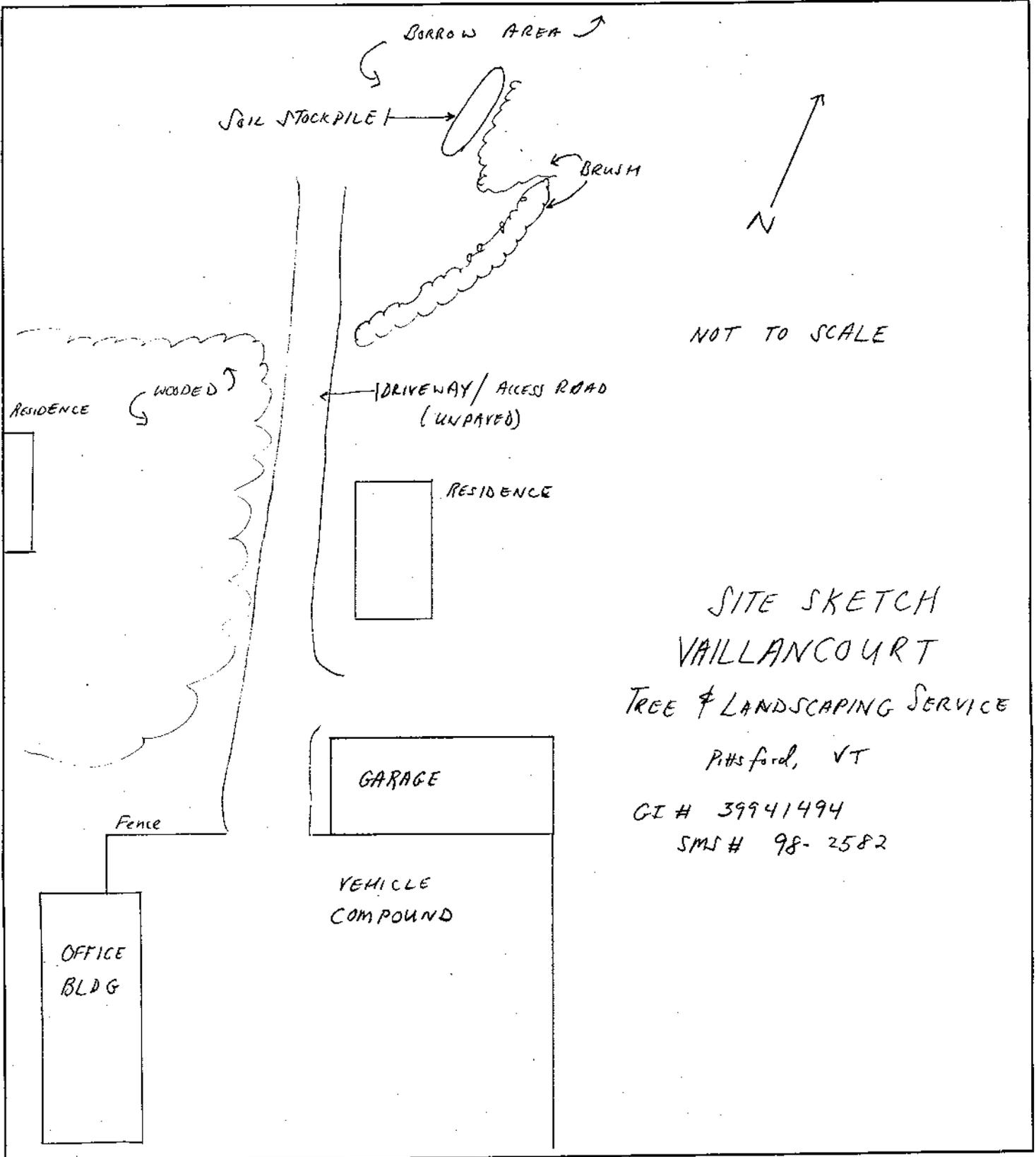
SOURCE: USGS
Chittenden, VT,
7.5 Minute
Topographic Quadrangle
1988





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E-mail: griffint@together.net

JOB _____
SHEET NO. _____ OF _____
CALCULATED BY _____ DATE _____
CHECKED BY _____ DATE _____
SCALE _____



SITE SKETCH
VAILLANCOURT
TREE & LANDSCAPING SERVICE
Pittsford, VT
GI # 39941494
SMS # 98-2582