98 So. Main Street
Waterbury, VT 05676
tel: 802-244-5051 fax: 802-244-8505
www.westonandsampson.com

July 23, 2012

Ms. June Reilly
State of Vermont
Waste Management and Prevention Division
103 South Main St., West Office Building
Waterbury, VT 05671-0404

Re: UST Closure Report
Hyde Park Fire Station, 212 Centerville Road, Hyde Park, VT

Dear Ms. Reilly:

On Friday July 13, 2012, Weston & Sampson Engineers, Inc. (Weston & Sampson) performed a Site Investigation during the in-place closure of a 1,000 gallon underground storage tank (UST) at the Hyde Park Fire Station, located at 212 Centerville Road, in Hyde Park, VT (**Figure 1**). The UST was closed in-place due to is being located beneath a deck and directly adjacent to the fire station foundation. The in-place closure, cleaning, sampling assistance and backfill was completed by Enpro Services, Inc. (Enpro), of South Burlington, VT.

The UST is registered under the facility ID# 9999-648; a copy of the Underground Storage Tank Registration Form is attached. This letter has been prepared to satisfy the closure and reporting requirements for a category three tank per (8-604(d)). The fire station is currently heated by one above ground storage tank located in an outdoor shed adjacent to the fire station.

Tank Description

The UST is a 1,000 gal #2 fuel oil tank and according to the Town was installed in the 1970s during the construction of the fire station. The top of the UST was buried 1.5 feet below grade and oriented parallel to Centerville Road, beneath the front porch deck to the fire station. The fill and vent pipes ran parallel with the front of the building before extending straight up at the fire station's north corner, approximately 5 feet from the edge of the UST. Overall the UST and associated piping were in poor condition; some pitting was observed at the base of the UST. A thorough inspection however was not completed due to the UST being closed in place. Pictures are attached and a site sketch is provided on the Underground Storage Tank Permanent Closure Form.

Closure Activities

Prior to closure, the UST Enpro pumped and cleaned out approximately 45 gallons of oil and sludge from the UST bottom. The oil and sludge were stored on-site in 1 bolted 55 gallon drums awaiting removal by a certified waste hauler (Enpro).

Field Screening

This closure assessment included field screening of 4 soil samples to test for heating oil related volatile organic compounds (VOCs). The soil samples were collected by coring holes through the UST bottom and sidewalls. All soil samples were field screened to evaluate evidence of oil or hazardous material (OHM) by visual observation and by field screening using a jar-head head space method (JHS) for VOCs with a photoionization detector (PID) equipped with a 10.6 eV lamp. Prior to use the PID was calibrated with a 100 parts per million volume (ppmv) isobutylene standard. Weather conditions during the assessment were 85˚ F and sunny. JHS concentrations ranged from 88 to 257 ppmv as shown on the site sketch. Groundwater with a slight sheen was observed entering the bottom of the UST through the core holes. Two samples were collected for lab analysis and submitted to Endnye for analytical testing. Soils were found to be fine sand.

Receptor Survey

The fire station is served by the municipal water system. The distribution line runs down the center of Centerville Road and into the fire station on the south wall (see **Figure 2**). According to Don Waterhouse, Superintendent of the Village of Hyde Park Water Department, all the surrounding properties in the area are also on the municipal water systems. No monitoring wells were installed or known to exist surrounding the Site. No environmental sensitive receptors, such as wetlands, were observed. The indoor air of the fire station was screened with a PID, focusing specifically on floor drains and foundations joinsts, no concentrations above 1.0 ppmv were observed.

Recommendations

Based on the results of the on-Site soil screening and the condition of the UST and associated piping, it appears that a release from the UST has occured; therefore further site investigation activities appear to be warranted. If you have any questions, or concerns, please feel free to contact our office.

Sincerely,
WESTON & SAMPSON ENGINEERS, INC.

Kevin McAleer, P.G.
Hydrogeologist

Attachments:

- Photographs
- Site Locus Map (**Figure 1**)
- Aerial Plan (**Figure 2**)
- Underground Storage Tank Permanent Closure Form

Copy:
Ron Rodjenski, Hyde Park
Jeff Simone, Enpro Services, Inc.
Ash Desmond, VTDEC

Click to Print

Underground Storage Tank Permanent Closure Form

Vermont Agency of Natural Resources, Department of Environmental Conservation, Waste Management Division

103 South Main Street, West Building, Waterbury, VT 05671-0404, Telephone (802) 241-3888

Important: All closures must be scheduled with the Underground Storage Tank Program at least 5 business days prior to the commencement of closure activities. Category Four tanks are exempt unless located at a public building.

Section A. Facility Information

Facility Name: Hyde Park Fire Station Facility ID #: 9999 648 Number of employees: 0

Street Address: 212 Centerville Road City/Town: Hyde Park

Owner of UST(s) to be closed: Town of Hyde Park Contact (if different from owner): Ron Rodjenski

Owner mailing address: P.O. Box 98, Hyde Park, VT 05655

Owner telephone: 888-2300 x302 Contact telephone: ron@hydeparkvt.com

Section B. UST Closure Information

Reason for initiating UST closure (please check one): ☐ Suspected leak ☐ Liability ☐ Replacement ☒ Abandoned

USTs and/or piping undergoing permanent closure. Tank and piping condition may be listed as: Excellent, Good, Fair, or Poor.

UST #	Product	Size (gallons)	Tank Age	Tank Condition	Piping Age	Piping Condition
1	#2 Heating Oil	1,000	37	Unknown (in place closure)	unknown	Poor

Which tanks, if any, will be closed in-place? - UST #: 1 Authorized by: June Reilly Date: 7/13/12

Disposal/destruction of removed UST(s) - Location: Not Applicable Method: -- Date: --

Amount (gal) and type of waste generated from USTs: 45 Gallons tank bottoms
(Tank contents are hazardous wastes unless recovered as usable product)

Tank cleaning company: Enpro Services, Inc.
(Must be trained in confined space entry)

Certified hazardous waste hauler: Enpro Services, Inc. Generator ID #: MAD 980 670004

Section C. Initial Site Characterization

(Work in this section must be completed by a professional environmental consultant or hydrogeologist with experience in environmental sampling for the presence of hazardous materials. A full report from the consultant must accompany this form.)

Excavation information. Some removals require more than one excavation - identify them as A, B, C, etc.

Tank(s) #, excavation	Depth (ft)	Excavation Size (sq. ft)	Peak PID Reading	Depth of Peak (ft)	Avg PID Reading	Bedrock Depth (ft)	Groundwater? (Y/N) and Depth	Soil Type
Not Applicable	-	-	257	6'	-	-	Yes - through holes	Silty Sand, brown, moist
Close in Place				through UST			drilled in UST	

Section C. *(Continued)*

Facility ID #: 9999 648

DigSafe #: 2012-280-2021

Date of release reporting: 7/13/12
(An release must be reported immediately by calling (802)241-3888.)

PID Make: Ion Science PhoCheck Model: 08-01146 Calibration (date/time/gas): 7/13/12 08:45 Isobuytlene

(Indicate all readings and samples on site diagram.)

Number of soil samples collected for laboratory analysis: 2 Results due date: July 27, 2012

Have any soils been polyencapsulated on site? - ☒ NO ☐ YES # Cubic yds: PID range > zero:

Have any soils been transported off site? - ☒ NO ☐ YES # Cubic yds:

Location transported to: NA Approved by:

Amount of soil backfilled (cubic yds): 12 **PID range > zero:** 88 to 257

Have limits of contamination been defined? - ☒ NO ☐ YES Other on-site contamination? - ☒ NO ☐ YES

Comments: Drilled four holes through UST to assess soils, two bottom samples: 88 & 257 ppm, two sidewalls: 107 & 162 ppm

Free Phase product encountered? - ☐ NO ☒ YES Thickness: Sheen: Spotty

Groundwater encountered? - ☐ NO ☒ YES Depth: ~6.5'

Existing monitoring wells (MWs) on-site? - ☒ NO ☐ YES How many? (Locate on site diagram)

Have new MWs been installed? - ☒ NO ☐ YES How many? (Locate on site diagram)

Samples obtained from MWs for lab analysis? - ☒ NO ☐ YES Results due date:

Is there a water supply well on site? - ☒ NO ☐ YES Type: ☐ Shallow ☐ Bedrock ☐ Spring

No.of public water supply wells located within 0.5-mile radius: 0 Min. distance (ft):

No. of private water supply wells located within 0.5-mile radius: 0 Min. distance (ft):

Receptors impacted: ☒ Soil ☐ Indoor Air ☐ Ambient Air ☒ Groundwater ☐ Surface Water ☐ Water Supply

Section D: Tanks and Piping Remaining or to be Installed

(Regardless of size or use, list all USTs currently located at the facility, and all that are to be installed at the facility. ***Note: Most installations require permits and advance notice to the UST Program.****)*

USTs exisiting/to be installed on the property. Tank & Piping Status may be listed as: Abandoned, In Use, or To Be Abandoned.

UST #	Product	Size (gallons)	Tank Age	Tank Status	Piping Age	Piping Status

How many total tanks exist or will exist at the facility? **(Include all heating oil tanks)** - 1 AST

 Facility ID #: 9999 648

Section E. Statements of UST Closure Compliance

(Must have both signatures for site assessment to be complete).

As the party responsible for compliance with the Vermont UST Regulations and related statutes at this facility, I hereby certify that all of the information provided on this form is true and correct to the best of my knowledge.

Signature of UST owner or owner's authorized representative — Date signed: 7/24/2012

As the environmental consultant on site, I hereby certify that the site assessment requirements were performed in accordance with DEC policy and regulations, and that information which I have provided on this form is true and correct to the best of my knowledge.

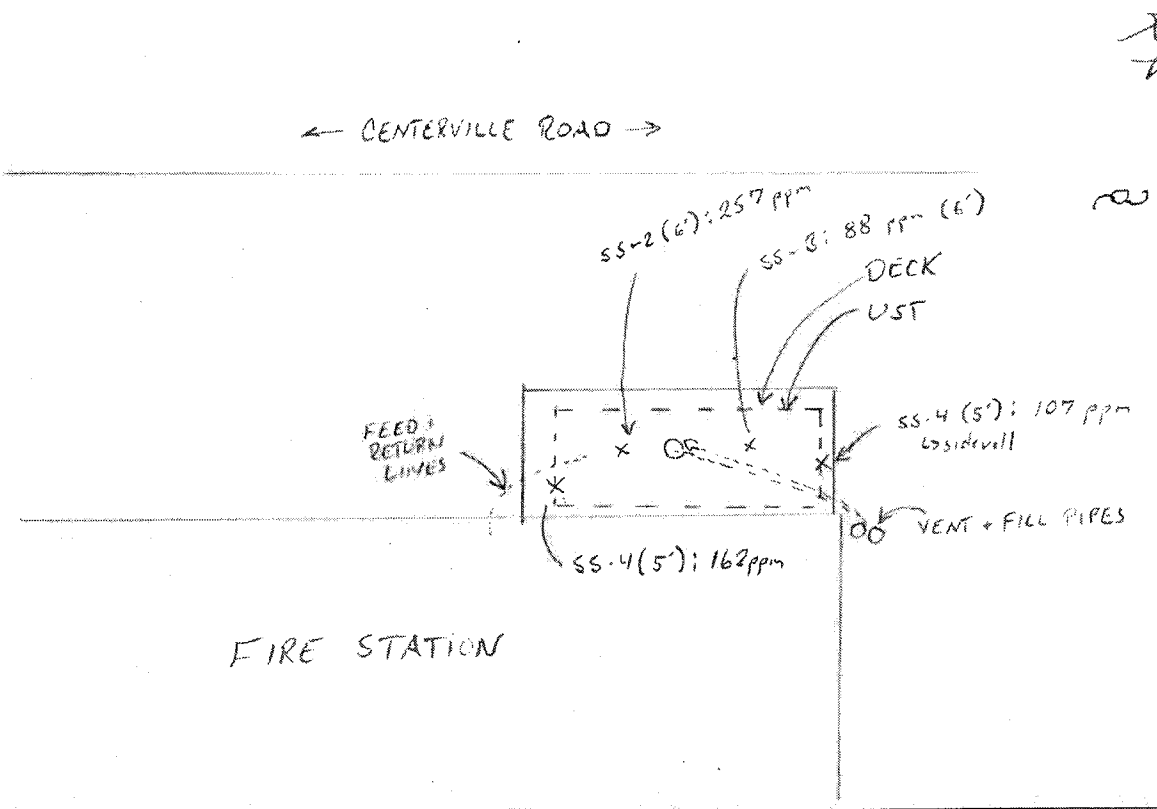
Signature of Envrionmental Consultant — Date signed: 7/23/12

Company: Weston & Sampson Engineers, Inc. — Telephone #: 802-244-5051

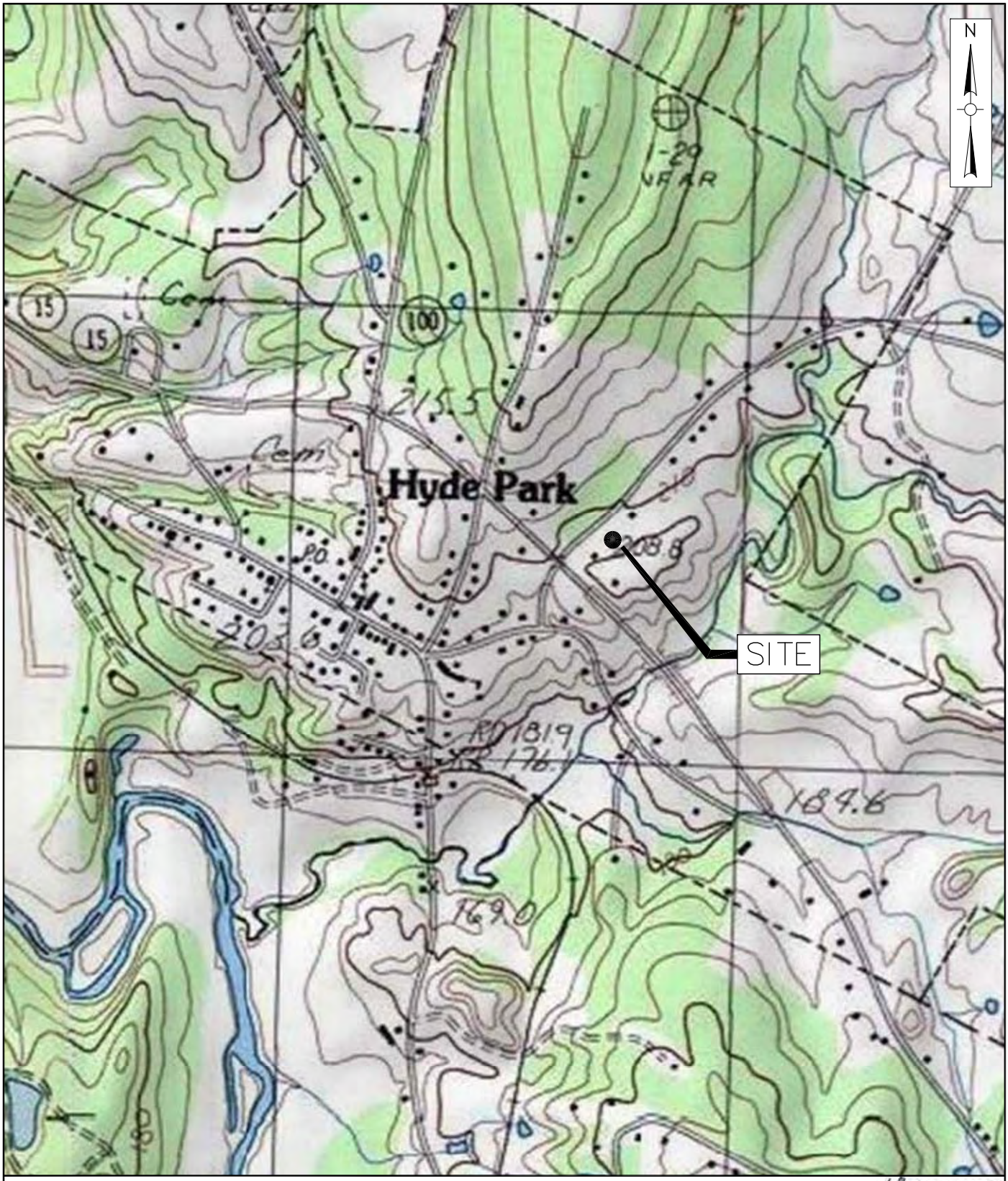
Date of Closure: 07/13/12 — Date of Assessment: 07/13/12

Return this form along with complete narrative report and photographs to the Department of Environmental Conservation (DEC), Underground Storage Tank Program within 10 days of closure.

Site Diagram:



A written report from an environmental consultant covering all aspects of closure and site assessment, complete with photographs and any other relevant data, must accompany this form. All procedures must be conducted by qualified personnel, to include training required by 29 CFR 1910.120. Documentation of all methods and materials used must be adequate. All work must be performed in compliance with DEC policy "UST Closure and Site Assessment Requirements" as well as all applicable statutes, regulations, and additional policies. The DEC may reject inadequate closure forms and reports.



DATA SOURCES:

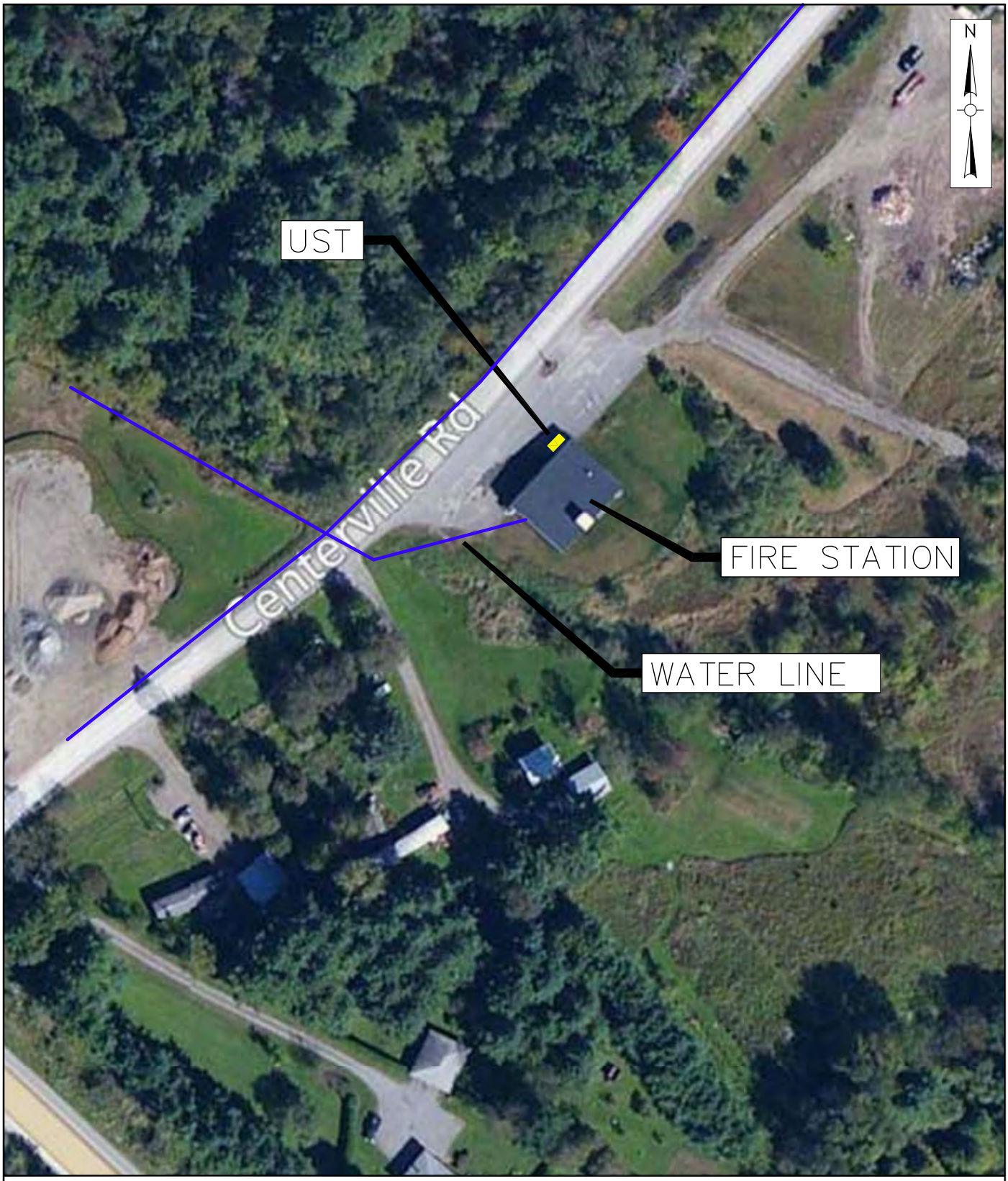
Printed from TOPO! (c) Wildflower Productions, 1999, www.topo.com

FIGURE 1
HYDE PARK, VERMONT
HYDE PARK FIRE STATION – 212 CENTERVILLE ROAD
SITE LOCUS MAP
SCALE: 1"=1000'

0 1000 2000

Weston&Sampson®

V:\ENPRO\Hyde Park\Closure Report\Figure 1 – Site Locus.dwg



DATA SOURCES:

NAIP Color Orthophoto 2009

FIGURE 2

HYDE PARK, VERMONT

HYDE PARK FIRE STATION – 212 CENTERVILLE ROAD

AERIAL PLAN

SCALE: 1"=100'

0 100 200

Weston&Sampson®

V:\ENPRO\Hyde Park\Closure Report\Figure 1 – Site Locus.dwg

Hyde Park Fire Station
Hyde Park, Vermont

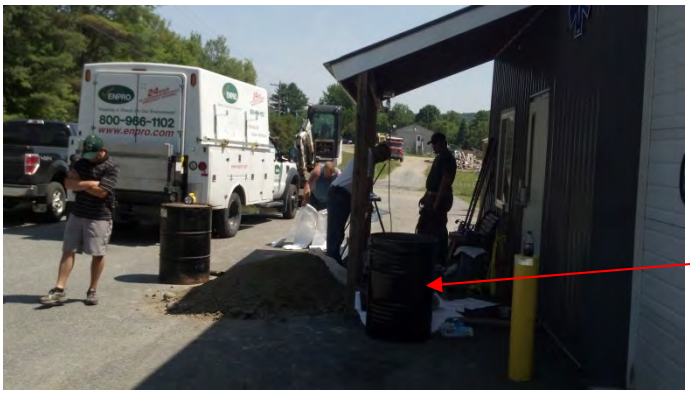


Photo #1

UST

Photo #2

UST

Photo #3

Site and UST location