Heindel and Noyes
P.O. Box 64709 Burlington, Vermont 05406-4709

• Consulting Hydrogeologists
• Engineers
• Environmental Scientists

802-658-0820
Fax 802-860-1014

March 31, 1998

Mr. Chuck Schwer, Supervisor
Sites Management Section
Waste Management Division
103 South Main Street
Waterbury, VT 05671-0404

Re: Graphitek, Inc.
Old Pioneer Electronics Site
Bennington, Vermont, Spill No. 97-134
97-7288

Dear Chuck:

This letter report provides a summary of field investigations at the Graphitek, Inc. site in Bennington, Vermont. This property was formerly the location of Old Pioneer Electronics. A USGS location map is provided (Appendix 1, page 1). Excavations performed by McDonald-Secor Associates, Inc. during construction of the Graphitek building in April 1997 uncovered a 55-gallon drum containing about 35 gallons of chlorinated solvents. This discovery was reported by Jim Secor in a site assessment sent to your office during the summer of 1997.

Heindel and Noyes was retained to perform the additional site investigative work outlined in your letter to David Post, President of Graphitek, dated September 26, 1997:

- Define the degree and extent of contamination to the soils and groundwater at this property.
- Locate and test potentially contaminated soils trucked by MacDonald-Secor to the Burgess Brothers property in Bennington, and to the Secor homesite in Shaftsbury, to determine if petroleum or chlorinated hydrocarbon contamination is present.
- Provide a copy of the manifest signed by the facility, verifying receipt of the shipped drum of solvents discovered at the site.
- Determine if there are any sensitive receptors which could be adversely affected by the contamination on this property.
- Provide all of this information in a summary report to the SMS for review.

At this writing, all of these items have been accomplished, and this report summarizes our findings. All field work was performed in conformance with two work plans approved by you, dated October 14, 1997 and November 5, 1997.

1.0 DEGREE AND EXTENT OF CONTAMINATION TO SOILS AND GROUNDWATER

To evaluate the degree and extent of VOC contamination to soils and groundwater, Heindel and Noyes retained Tri-State Drilling and Boring (TSDB) to install three shallow, 1-inch diameter monitoring wells at the site on February 6, 1998. A fourth well, described in the work plan, was not drilled, since there was access to groundwater beneath the building via a sump connected to perimeter drain pipes that underlie the new eastern addition to the building. Due to the shallow depth to groundwater around the building, the pump in this sump is frequently activated, so this sump serves as an excellent groundwater "sink", where contaminants would very likely be observed if present in the vicinity of the building.

During installation of the monitoring wells, soil samples were collected by withdrawing the hollow stem augers without spinning, collecting soil samples in Ziploc bags from the 5-foot auger in two 2.5-foot intervals, and evaluating headspaces of the samples with a photoionizable detector (PID; H-Nu equipped with 10.2 eV probe). The PID was calibrated during the morning of the well installations, prior to performing any site work. PID evaluations of soils are provided on the soil logs (Appendix 1, page 2). Driller's logs are also provided (Attachment, pages 3 to 5). Although slightly elevated PIDs were noted in some of the wells, we believe that these instrument responses were the results of naturally occurring organic acids and other organic compounds found in the organic-rich muck, through which many of the wells were drilled. No visual evidence of VOC contamination or VOC odors were observed in any of the soil samples.

Following the advance of the 4-inch ID hollow stem augers to a depth of 10 feet below ground surface, 1-inch hand-slotted monitoring wells were installed to a total depth of approximately 9.5' below ground surface. No solvent cement or tape was used in construction of these wells. Immediately following their installation, the wells were purged of at least three well volumes and sampled. In addition, the existing 4-inch diameter well installed by the contractor, MW-1, was also purged prior to sampling. (The sump located inside the Graphitek building was not purged prior to sampling.)

Groundwater samples obtained from MW-1 through MW-4, and from the sump, were preserved with hydrochloric acid, and were transported on ice to the laboratory for EPA Method 8260 analyses. Laboratory results are attached (Appendix 1, pages 9 to 14) and show no detectable volatile organic compounds in MW-1, MW-2 or MW-3. A trace below the quantification limit of 1 part per billion (ppb) of cis 1,2,dichloroethylene was observed

in MW-4. The Vermont Chapter 12 Groundwater Enforcement Standard (GES) for this compound is 70 ppb, so this observed concentration is well below the regulatory standard.

Dichlorofluoromethane (also known as Freon 12) was found at 10.1 ppb in the sump. The GES for this compound is 1,000 ppb, so the concentration in this sample is also well below the regulatory standard.

As the area map provided on page 6 of Appendix 1 shows, a small tributary to the Walloomsac River, known locally as Willow Creek, flows from east to west approximately 500 feet south of the subject parcel, and is the closest surface water to the property.

Monitoring Well locations and elevations were surveyed by MSK Engineering and Design. Depths to groundwater in each well were gauged on March 6, 1998 by MSK. These data were used to construct a water table map (map pocket), which shows a groundwater flow direction toward the southwest with a gradient of about 4%. Therefore, monitor well MW-2 serves as an upgradient well, and wells MW-3 and MW-4 provide downgradient groundwater information. MW-1 was formerly installed in the trench for the frost wall of the building, about 10 feet east of the location of the discovered drum. Since this trench was backfilled with permeable sand, MW-1 is in good hydraulic communication with the area where the drum was found, and presumably provides "ground zero" information.

2.0 SENSITIVE RECEPTOR SURVEY

A sensitive receptor survey was performed on the same day that monitoring wells were installed and sampled (February 6, 1998). The Graphitek building obtains potable drinking water from a well located near the west side of the building. This well is about 200 feet cross-gradient of the location of the hazardous waste drum. We obtained a well log of this well from the state files (Appendix 1, page 7), indicating that the well was installed in 1981, to a total depth of 60 feet bgs. Bedrock was encountered at 30 feet bgs, and casing was set to 32 feet bgs with a drive shoe, without grout. The driller's estimated well yield was 30 gpm.

There are no basements in the Graphitek building, due to the shallow nature of the water table in this location.

Located almost directly downgradient of the former drum site, on the property abutting the Graphitek property to the south, is a drilled well providing water to Superior Carriers, a trucking depot. This well is 110 feet from the location of the discovered drum. A tag on this well identifies it as well #7-690 installed on November 17,1994 to replace a shallow dug well. (Water from the shallow well was reportedly high in iron and destroyed a boiler at the

facility.) We obtained a well log for this well (Appendix 1, page 8) indicating that this is a bedrock well, the top of which was found at 45 feet bgs. The well was cased to 53 feet bgs, was grouted with Benseal, has a total depth of 100 feet, and a driller's yield of 30 gpm.

A shallow basement in a portion of the trucking depot warehouse was also checked for PID detectable VOCs. No detectable VOCs were observed in this basement.

3.0 ANALYSES OF FILL MATERIALS AT BURGESS BROTHERS LANDFILL AND SECOR HOMESTEAD

On February 5, 1998, a site technician from Heindel and Noyes performed test pit evaluations of fill material generated during construction of the Graphitek, Inc. building. These materials were transported by McDonald-Secor to the Burgess Brothers Landfill, and to private property owned by Jim Secor in Shaftsbury, Vermont. Location maps and site sketches of both areas are provided in Appendix 2 (pages 1 to 3). The exact locations of the fill materials at both sites were identified by the MacDonald-Secor truck driver who originally transported the soils to the sites.

At the Burgess Brothers site, six test pits were excavated to depths ranging from 3 to 8 feet below ground surface, in the brown gravel and cobble fill materials. All test pits were located inside one of two soil piles containing soils from the Graphitek site. Subsamples from each test pit were placed in a 5-gallon pail, thoroughly mixed, and a composite sample was immediately bagged and submitted to the laboratory for EPA Method 8260 analyses of VOCs.

Fill materials at the Secor property had been used to create a raised rectangular area to the north of the Secor house, in preparation for construction of a barn. As the site sketch shows, 5 test pits were dug in this filled area, to a depth of 2.5 to 3 feet below ground surface. Light brown gravels with cobbles were identified. Subsamples from each test pit were collected in a 5-gallon pail, thoroughly mixed, and a composite sample was immediately bagged and submitted to the laboratory for EPA Method 8260 analyses.

Laboratory results of the composite soil samples (Appendix 2, pages 4 to 6) show no detectable VOCs by EPA Method 8260 analyses.

4.0 MANIFEST OF HAZARDOUS MATERIALS REMOVED FROM GRAPHITEK PROPERTY

Attached (Appendix 2, page 7) is a copy of the manifest that documents the transport of the 55-gallon drum of solvent waste that was found at the Graphitek property. It was shipped to Pollution Solutions in Williston, Vermont on February 2, 1998.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on investigation of onsite soils and groundwater near a discovered drum containing solvent wastes at the Graphitek site, we conclude that there are no PID detectable contaminants in soil at two soil boring locations installed about fifteen feet downgradient of the former drum site. Groundwater samples from three locations near the drum site, and from a sump draining water from beneath the building, show no detectable VOC contaminants, with the exception of very low levels of a Freon product in the sump, and TBQ (less than 1 part per billion) of cis 1,2-dichloroethylene in MW-4. Concentrations of both of these compounds are well below their respective Groundwater Enforcement Standards. We conclude that there are no significant releases of volatile organic compounds from the former drum site location, and we recommend no further investigation or monitoring at this site.

A sensitive receptor survey found two potable drilled wells in use: one at the Graphitek site, 200 feet cross-gradient of the former drum location, and one at Superior Carriers, 110 feet downgradient of the former drum location. No significant contamination was observed in monitoring wells in the vicinity of the drum location. Both wells are relatively new and were properly cased. The Graphitek well has 12 feet of sandy clay above the top of the bedrock, according to the well log. The Superior Carriers well lacks this clay horizon, but was completed with a grouted casing. These features make it unlikely that there is a hydraulic connection between the site of the drum and these drinking water wells. We conclude that there are no likely impacts to these sensitive receptors.

Fill materials excavated from the Graphitek site and transported to the Burgess Brothers Landfill, and to the residence of Jim Secor in Shaftsbury, Vermont, were evaluated for soil contamination by collecting composite soil samples from test pits. These soils were evaluated for VOCs using EPA Method 8260. No detectable contaminants were observed at either site. We conclude that the fill materials removed from the Graphitek site were free of any significant volatile organic compound contaminants. We recommend no further investigations or monitoring of these fill materials.

A copy of a manifest shows that the discovered drum from the Graphitek site was properly transported to a licensed hazardous waste storage facility, for eventual disposal. No further action is warranted in this regard.

Finally, since all contaminant levels are well below Groundwater Enforcement Standards at this site, we recommend that the site be issued a SMAC (Site Management Activity Complete) designation.

Please don't hesitate to contact me with any questions about this letter report.

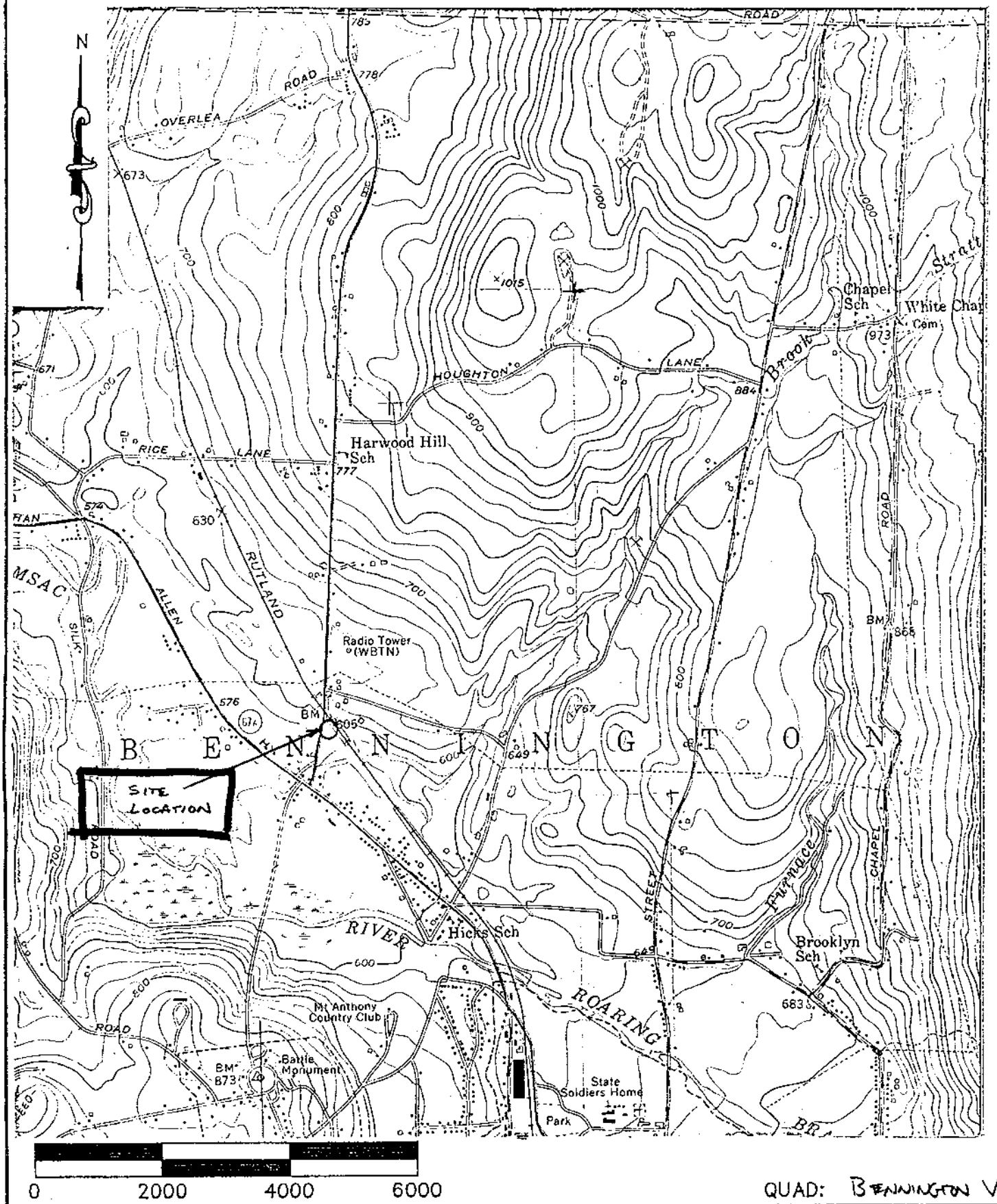
Sincerely,

Dean A. Grover, P.E.
Chief Engineer

DAG/jm
Attachments

cc: David Post, President, Graphitek, Inc.
Jim Secor, McDonald Secor Associates

U:\DGROVER\SCHWERL1.WPD



QUAD: BENNINGTON VT.

Wagner, Heindel, and Noyes

CONSULTING SCIENTISTS AND ENGINEERS

• Hydrogeology • Ecology •
• Environmental Engineering •

BURLINGTON, VERMONT

GRAPHITEK, BENNINGTON

SITE LOCATION MAP

USGS TOPOGRAPHIC MAP

DATE:	SCALE: 1:25000	DRN:	APPD:

Heindel and Noyes
P.O. Box 64709 Burlington, Vermont 05406-4709
• Consulting Hydrogeologists
• Engineers
• Environmental Scientists
802-658-0820
Fax 802-860-1014

GRAPHITEK, INC.
Bennington, Vermont

SOIL BORING LOGS

March 26, 1998 | Page 1

The following soil logs were prepared by Dean A. Grover of Heindel and Noyes who supervised installation of three monitoring wells at the Graphitek site on February 6, 1998. Photoionizable detectable volatile organic compounds were measured with an H-Nu equipped with a 10.6 eV probe, that was calibrated on the morning of February 6, 1998 using 100 ppm isobutylene gas. All PID levels are reported in benzene equivalents. Soil samples were collected from hollow stem auger flights (no split-spoon samples collected). Composite samples were collected with a gloved hand, placed in a ziploc bag, and equilibrated to approximately room temperature. PID headspaces from the ziploc bags are recorded. The background PID was 0.4 ppm.

MW-1	
Existing 4-inch well located beside Graphitek building foundation.	
MW-2 (upgradient well)	
0 - 10'	Very coarse sands and gravels with occasional cobbles. Water table at 4.5'. Total depth = 10' PID levels: 0 - 2.5' = 0.8 2.5 - 5' = 0.8 5 - 7.5' = 0.5 7.5 - 10' = 0.7
MW-3	
0 - 4.5'	Black muck with boulders at 3' below ground surface.
4.5' - 10'	Brown sands and gravels with cobbles, saturated. Total depth = 10' PID levels: 0 - 2.5' = 0.6 2.5 - 5' = 1.0 5 - 7.5' = 0.6 7.5 - 10' = 0.8
MW-4	
0 - 4.5'	Black muck with boulders.
4.5 - 10'	Brown sands and gravels with cobbles. Water table at approximately 5' below ground surface. Total depth = 10' PID levels: 0 - 2' = 1.0 2.5 - 5' = 0.8 5 - 7.5' = 0.6 7.5 - 10' = 0.4

SOIL PROBE LOG

Date: 2/6/98
MW—2
Project: Graphtek
Page 1

Tri-State Drilling & Boring, Inc.
RFD #2 Box 113
West Burke, Vermont 05871
(802) 467-3123

DEPTH	BLOW COUNTS 6"	12"	18"	24"	REC	SOIL

DRILLER'S NOTES & COMMENTS
Augered to 10

Set 1" PVC, Screen to 5'

MACHINE TIME

WELL DEVELOPMENT TIME

Client: Wagner, Heindel & Noyes

Job location: Graphtek

Engineer: Dean Grover

Inspector: Dean Grover

Driller Tharon

Helper Wayne

Preparer's Initials:

Well construction Report

MATERIALS USED:

Screen
Riser
Caps
L Plug
Sand
Bentonite
Hole Plug
Enviro Grout
Road Boxes
Well Guards
Misc.

SOIL PROBE LOG

Date: 2/6/98
MW 3
Project: Graphtek
Page 2

Tri-State Drilling & Boring, Inc.
RFD #2 Box 113
West Burke, Vermont 05871
(802) 467-3123

DEPTH . BLOW COUNTS REC SOIL

6"	12"	18"	24"		

DRILLER'S NOTES & COMMENTS
Augered to 10'

Set 1 " PVC Screen to 5'

MACHINE TIME

WELL DEVELOPMENT TIME

Client: Wagner, Heindel & Noyes

Job location: Graphtek

Engineer: Dean Grover

Inspector: Dean Grover

Driller Tharon

Helper Wayne

Preparer's Initials:

Well construction Report

MATERIALS USED:

Screen
Riser
Caps
L. Plug
Sand
Bentonite
Hole Plug
Enviro Grout
Road Boxes
Well Guards
Misc.

SOIL PROBE LOG

Date: 2/6/98
MW 4
Project: Graphtek
Page 3

Tri -State Drilling & Boring, Inc.
RFD #2 Box 113
West Burke, Vermont 05871
(802) 467-3123

DEPTH	BLOW COUNTS 6"	12"	18"	24"	REC	SOIL

DRILLER'S NOTES & COMMENTS
Augered to 10'

Set 1 " PVC Screen to 5'

MACHINE TIME

WELL DEVELOPMENT TIME

Client: Wagner, Heindel & Noyes

Job location: Graphtek

Engineer: Dean Grover

Inspector: Dean Grover

Driller Tharon

Helper Wayne

Preparer's Initials:

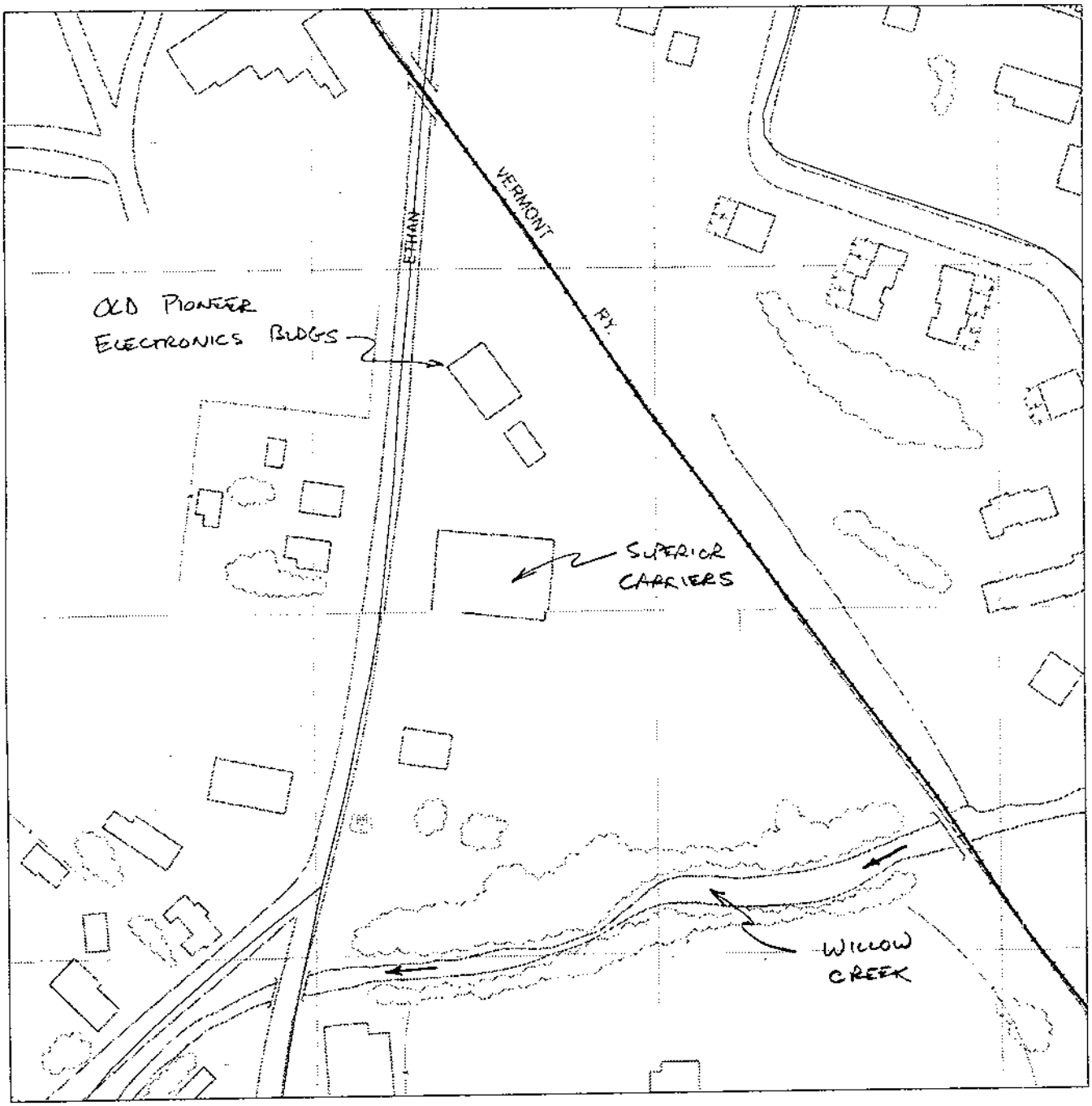
Well construction Report

MATERIALS USED:

Screen
Riser
Caps
L Plug
Sand
Bentonite
Hole Plug
Enviro Grout
Road Boxes
Well Guards
Misc.

Graphitek, Inc. - Bennington, Vermont

NEAREST SURFACE WATER



N

150 0 150 Feet

Orthophoto Base from 1978.

INFORMATION & VISUALIZATION SERVICES

WELL NUMBER
4-283
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Buildings, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

State of Vermont
DEPARTMENT OF WATER RESOURCES
AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

JUL 28 1982

W.R. 208 U.S.G.S.
Field Location ☐ Map area 19A.3
Latitude ° ' " Elev.
Longitude ° ' " Topo.
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR 206 Date in Town Files ☐

1. WELL OWNER Frost Concrete Supply, Inc (Name) Bennington VT 05201 (Permanent Mailing Address)
OR
WELL PURCHASER (Name) (Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Bennington Vt. SUBDIVISION LOT NO.
3. DATE WELL WAS COMPLETED 5-28-81
4. PROPOSED USE OF WELL: ☐ Domestic, ☐ Other
5. REASON FOR DRILLING WELL: ☐ New Supply, ☒ Replace Existin ☐ Provide Additional Supply, ☐ O
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☑ Rotary with A-P, ☐ Other
7. TYPE OF WELL: ☑ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened
8. TOTAL DEPTH OF WELL: 60 feet below land surface.
9. CASING FINISH: ☐ Above ground, Finished, ☑ Above ground, Unfinished, ☐ Buried, ☐ In Fill, ☐ Removed, ☐ None used, ☐ Other
10. CASING DETAILS: Total length 34 ft. Length below L.S. 32 ft Dia. 6 in. Material STEEL Wt. 17 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used ft. Diameter in. Material Weight lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☐ Drive Shoe, ☐ Grout - type , Drilled 8 in. hole 2 ft. in Bedrock
☐ Other , Material , Length ft., Diameter in.
13. SCREEN DETAILS: Make and Type , Material , Length ft., Diameter in.
Slot Size , Depth to top of screen in feet below land surface ft., Gravel pack if used: Gravel Size or Type
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☑ Compressed Air, for 2 Hours at 30 Gallons per minute ☐ Permanent Airline Installed
Measured by ☑ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter
15. STATIC WATER LEVEL: 8 feet below land surface, Date or Time measured 5-28-81, Overflows at G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where
17. SPECIAL NOTES:

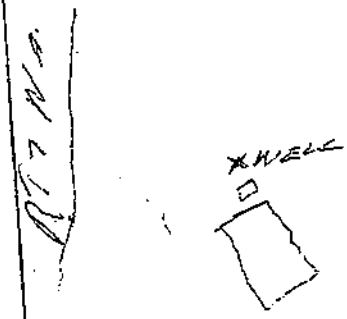
Post-it® Fax Note 7671 | Date 3-19 | # of pages ▶ 2
To Dean Grover | From Cathy Deyo
Co./Dept. Heindel & Noyes | Co.
Phone # 658-0820 | Phone # 241-3401
Fax # 860-1014 | Fax # 241-3284

18. WELL LOG

Depth from Land Surface Feet	Depth from Land Surface Feet	Water Bearing	Formation Description
Ground Surface	18	Yes	DIRTY GRAVEL
18	20	No	SANDY CLAY
20	60	yes	BROKEN GRAY MARBLE

Sketch

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



WELL DRILLED BY: Carlton May

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

DOING BUSINESS AS: Frost Inc (Company or Business Name)
REPORT FILED BY: M. Wm. Hendrix (Authorized Signature)
DATE OF REPORT: 5/28/81 WELL DRILLERS LIC. NO. 23
Updated Rec'd

CC

WELL NO. / TAG NO. 7-690 (From Driller's Log)

This report must be completed and submitted to the Department of Environmental Conservation, Water Supply Division, 103 South Main Street, The Old Pantry, Waterbury, VT 05671-0403 no later than 60 days after completion of the well.

State of Vermont
Dept. of Environmental Conservation
103 S. Main St., The Old Pantry
Waterbury, VT 05671-0403

WELL COMPLETION REPORT

JUL 3 1995

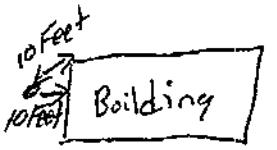
Location map attached to WCR

DEPARTMENT USE ONLY
E.C. 468 U.S.G.S.
Field Location ☐ Map area 1983
Latitude ° ' " Elev.
Longitude ° ' " Topo.
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐

1. WELL OWNER Paul Morrill 601 Danforth St Portland, ME 04102 (Name, Permanent Mailing Address)
OR
WELL PURCHASER (Name, Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Bennington SUBDIVISION LOT NO.
3. DATE WELL WAS COMPLETED 11-17-94
4. PROPOSED USE OF WELL: ☐ Domestic, ☑ Other Commercial
5. REASON FOR DRILLING WELL: ☐ New Supply, ☑ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☑ Rotary with A.P., ☐ Other
7. TYPE OF WELL: ☑ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other
8. TOTAL DEPTH OF WELL: 100 feet below land surface
9. CASING FINISH: ☑ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other
10. CASING DETAILS: Total length 55 ft. Length below L.S 53 ft. Dia. 6 in. Material Steel wt. 19 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used ft. Diameter in. Material Weight lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☑ Drive Shoe, ☑ Grout - Type Bentonite, Drilled 6 in. hole 40 ft. in Bedrock ☐ Other
13. SCREEN DETAILS: Make and Type, Material, Length ft., Diameter in., Slot Size, Depth to top of screen in feet below land surface ft., Gravel pack/if used, Gravel Size or Type
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☑ Compressed Air, for 1 Hours at 30 Gallons per minute, Measured by ☑ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Pumping Rate Estimated
15. STATIC WATER LEVEL: 2 feet below land surface, Date or Time measured 11-17-94, Overflows at GPM
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☑ No. If Yes, Where
17. SPECIAL NOTES:
18. WELL LOG

Depth from Land Surface Feet	Depth from Land Surface Feet	Water Bearing	Formation Description	Sketch
Ground Surface	10	N	Gravel	
10	20	Y	Gravel with lot of water	
20	35	N	Gravel	
35	45	Y	Gravel	
45	55	N	Limestone	
55	60	N	Limestone	
60	100	Y	Broke up Limestone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If test yield was taken at different depths during drilling, list below.

Feet	Gallons Per Minute
70	15 GPM
90	15 GPM

WELL DRILLED BY: Tony Ennis Jr.
DOING BUSINESS AS: Frost Inc. (Person or Business Name)
REPORT FILED BY: (Authorized Signature)
DATE OF REPORT: 11-17-94 WELL DRILLERS LIC. NO. 23.

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

REPORT OF LABORATORY ANALYSIS

CLIENT: Heindel and Noyes
PROJECT NAME: Graphitek
REPORT DATE: February 16, 1998
DATE SAMPLED: February 6, 1998

PROJECT CODE: HNGR1315
REF. #: 116,362 - 116,366

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody.

Chain of custody indicated sample preservation with HCl.

All samples were prepared and analyzed by requirements outlined in the referenced method and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced method.

Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy were monitored by laboratory control standards which included matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits.

Individual sample performance was monitored by the addition of surrogate analytes to each sample. All surrogate recovery data was determined to be within Laboratory QA/QC guidelines unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

enclosures

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 8260 WATER MATRIX

CLIENT: Heindel and Noyes
PROJECT NAME: Graphitek
REPORT DATE: February 16, 1998
DATE SAMPLED: February 6, 1998
DATE RECEIVED: February 9, 1998
ANALYSIS DATE: February 12, 1998

PROJECT CODE: HNGR1315
REF.#: 116,362
STATION: Sump
TIME SAMPLED: 2:30
SAMPLER: D.Grover

Parameter	Detection Limit (ug/L)	Result (ug/L)
Benzene	1	ND[1]
Bromobenzene	1	ND
Bromochloromethane	2	ND
Bromodichloromethane	1	ND
Bromoform	1	ND
Bromomethane	5	ND
n-Butylbenzene	1	ND
sec-Butylbenzene	1	ND
tert-Butylbenzene	1	ND
Carbon Tetrachloride	1	ND
Chlorobenzene	1	ND
Chloroethane	5	ND
Chloroform	1	ND
Chloromethane	10	ND
2&4-Chlorotoluene	2	ND
Dibromochloromethane	1	ND
1,2-Dibromo-3-Chloropropane	2	ND
1,2-Dibromoethane	2	ND
Dibromomethane	2	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Dichlorodifluoromethane	10	10.1
1,1-Dichloroethane	1	ND
1,2-Dichloroethane	1	ND
1,1-Dichloroethene	1	ND
cis-1,2-Dichloroethene	1	ND
trans-1,2-Dichloroethene	1	ND
1,2-Dichloropropane	1	ND
1,3-Dichloropropane	1	ND
2,2-Dichloropropane	1	ND
1,1-Dichloropropene	1	ND
cis-1,3-Dichloropropene	1	ND
trans-1,3-Dichloropropene	1	ND
Ethylbenzene	1	ND
Hexachlorobutadiene	5	ND
Isopropylbenzene	1	ND
p-Isopropyltoluene	1	ND
Methylene Chloride	5	ND
Naphthalene	5	ND
n-Propylbenzene	1	ND
Styrene	2	ND
1,1,1,2-Tetrachloroethane	2	ND
1,1,2,2-Tetrachloroethane	2	ND
Tetrachloroethene	1	ND
Toluene	1	ND
1,2,3-Trichlorobenzene	2	ND
1,2,4-Trichlorobenzene	2	ND
1,1,1-Trichloroethane	1	ND
1,1,2-Trichloroethane	1	ND
Trichloroethene	1	ND
Trichlorofluoromethane	2	ND
1,2,3-Trichloropropane	1	ND
1,2,4-Trimethylbenzene	1	ND
1,3,5-Trimethylbenzene	1	ND
Vinyl Chloride	5	ND
Total Xylenes	2	ND
MTBE	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane : 105.%
Toluene-d8 : 103.%
4-Bromofluorobenzene : 104.%

NOTES:
1 None detected

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 8260 WATER MATRIX

CLIENT: Heindel and Noyes
PROJECT NAME: Graphitek
REPORT DATE: February 16, 1998
DATE SAMPLED: February 6, 1998
DATE RECEIVED: February 9, 1998
ANALYSIS DATE: February 12, 1998

PROJECT CODE: HNGR1315
REF.#: 116,363
STATION: MW - 1
TIME SAMPLED: 4:15
SAMPLER: D.Grover

Parameter	Detection Limit (ug/L)	Result (ug/L)	Parameter	Detection Limit (ug/L)	Result (ug/L)
Benzene	1	ND[1]	1,3-Dichloropropane	1	ND
Bromobenzene	1	ND	2,2-Dichloropropane	1	ND
Bromochloromethane	2	ND	1,1-Dichloropropene	1	ND
Bromodichloromethane	1	ND	cis-1,3-Dichloropropene	1	ND
Bromoform	1	ND	trans-1,3-Dichloropropene	1	ND
Bromomethane	5	ND	Ethylbenzene	1	ND
n-Butylbenzene	1	ND	Hexachlorobutadiene	5	ND
sec-Butylbenzene	1	ND	Isopropylbenzene	1	ND
tert-Butylbenzene	1	ND	p-Isopropyltoluene	1	ND
Carbon Tetrachloride	1	ND	Methylene Chloride	5	ND
Chlorobenzene	1	ND	Naphthalene	5	ND
Chloroethane	5	ND	n-Propylbenzene	1	ND
Chloroform	1	ND	Styrene	2	ND
Chloromethane	10	ND	1,1,1,2-Tetrachloroethane	2	ND
2&4-Chlorotoluene	2	ND	1,1,2,2-Tetrachloroethane	2	ND
Dibromochloromethane	1	ND	Tetrachloroethene	1	ND
1,2-Dibromo-3-Chloropropane	2	ND	Toluene	1	ND
1,2-Dibromoethane	2	ND	1,2,3-Trichlorobenzene	2	ND
Dibromomethane	2	ND	1,2,4-Trichlorobenzene	2	ND
1,2-Dichlorobenzene	1	ND	1,1,1-Trichloroethane	1	ND
1,3-Dichlorobenzene	1	ND	1,1,2-Trichloroethane	1	ND
1,4-Dichlorobenzene	1	ND	Trichloroethene	1	ND
Dichlorodifluoromethane	10	ND	Trichlorofluoromethane	2	ND
1,1-Dichloroethane	1	ND	1,2,3-Trichloropropane	1	ND
1,2-Dichloroethane	1	ND	1,2,4-Trimethylbenzene	1	ND
1,1-Dichloroethene	1	ND	1,3,5-Trimethylbenzene	1	ND
cis-1,2-Dichloroethene	1	ND	Vinyl Chloride	5	ND
trans-1,2-Dichloroethene	1	ND	Total Xylenes	2	ND
1,2-Dichloropropane	1	ND	MTBE	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane : 103.%
Toluene-d8 : 103.%
4-Bromofluorobenzene : 107.%

NOTES:
1 None detected

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 8260 WATER MATRIX

CLIENT: Heindel and Noyes
PROJECT NAME: Graphitek
REPORT DATE: February 16, 1998
DATE SAMPLED: February 6, 1998
DATE RECEIVED: February 9, 1998
ANALYSIS DATE: February 12, 1998

PROJECT CODE: HNGR1315
REF.#: 116,364
STATION: MW - 2
TIME SAMPLED: 3:15
SAMPLER: D.Grover

Parameter	Detection Limit (ug/L)	Result (ug/L)	Parameter	Detection Limit (ug/L)	Result (ug/L)
Benzene	1	ND[1]	1,3-Dichloropropane	1	ND
Bromobenzene	1	ND	2,2-Dichloropropane	1	ND
Bromochloromethane	2	ND	1,1-Dichloropropene	1	ND
Bromodichloromethane	1	ND	cis-1,3-Dichloropropene	1	ND
Bromoform	1	ND	trans-1,3-Dichloropropene	1	ND
Bromomethane	5	ND	Ethylbenzene	1	ND
n-Butylbenzene	1	ND	Hexachlorobutadiene	5	ND
sec-Butylbenzene	1	ND	Isopropylbenzene	1	ND
tert-Butylbenzene	1	ND	p-Isopropyltoluene	1	ND
Carbon Tetrachloride	1	ND	Methylene Chloride	5	ND
Chlorobenzene	1	ND	Naphthalene	5	ND
Chloroethane	5	ND	n-Propylbenzene	1	ND
Chloroform	1	ND	Styrene	2	ND
Chloromethane	10	ND	1,1,1,2-Tetrachloroethane	2	ND
2&4-Chlorotoluene	2	ND	1,1,2,2-Tetrachloroethane	2	ND
Dibromochloromethane	1	ND	Tetrachloroethene	1	ND
1,2-Dibromo-3-Chloropropane	2	ND	Toluene	1	ND
1,2-Dibromoethane	2	ND	1,2,3-Trichlorobenzene	2	ND
Dibromomethane	2	ND	1,2,4-Trichlorobenzene	2	ND
1,2-Dichlorobenzene	1	ND	1,1,1-Trichloroethane	1	ND
1,3-Dichlorobenzene	1	ND	1,1,2-Trichloroethane	1	ND
1,4-Dichlorobenzene	1	ND	Trichloroethene	1	ND
Dichlorodifluoromethane	10	ND	Trichlorofluoromethane	2	ND
1,1-Dichloroethane	1	ND	1,2,3-Trichloropropane	1	ND
1,2-Dichloroethane	1	ND	1,2,4-Trimethylbenzene	1	ND
1,1-Dichloroethene	1	ND	1,3,5-Trimethylbenzene	1	ND
cis-1,2-Dichloroethene	1	ND	Vinyl Chloride	5	ND
trans-1,2-Dichloroethene	1	ND	Total Xylenes	2	ND
1,2-Dichloropropane	1	ND	MTBE	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane : 107.%
Toluene-d8 : 103.%
4-Bromofluorobenzene : 104.%

NOTES:
1 None detected

ENDYNE, INC.

Laboratory Services

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LABORATORY REPORT

EPA METHOD 8260 WATER MATRIX

CLIENT: Heindel and Noyes
PROJECT NAME: Graphitek
REPORT DATE: February 16, 1998
DATE SAMPLED: February 6, 1998
DATE RECEIVED: February 9, 1998
ANALYSIS DATE: February 12, 1998

PROJECT CODE: HNGR1315
REF.#: 116,365
STATION: MW - 3
TIME SAMPLED: 3:35
SAMPLER: D.Grover

Parameter	Detection Limit (ug/L)	Result (ug/L)	Parameter	Detection Limit (ug/L)	Result (ug/L)
Benzene	1	ND[1]	1,3-Dichloropropane	1	ND
Bromobenzene	1	ND	2,2-Dichloropropane	1	ND
Bromochloromethane	2	ND	1,1-Dichloropropene	1	ND
Bromodichloromethane	1	ND	cis-1,3-Dichloropropene	1	ND
Bromoform	1	ND	trans-1,3-Dichloropropene	1	ND
Bromomethane	5	ND	Ethylbenzene	1	ND
n-Butylbenzene	1	ND	Hexachlorobutadiene	5	ND
sec-Butylbenzene	1	ND	Isopropylbenzene	1	ND
tert-Butylbenzene	1	ND	p-Isopropyltoluene	1	ND
Carbon Tetrachloride	1	ND	Methylene Chloride	5	ND
Chlorobenzene	1	ND	Naphthalene	5	ND
Chloroethane	5	ND	n-Propylbenzene	1	ND
Chloroform	1	ND	Styrene	2	ND
Chloromethane	10	ND	1,1,1,2-Tetrachloroethane	2	ND
2&4-Chlorotoluene	2	ND	1,1,2,2-Tetrachloroethane	2	ND
Dibromochloromethane	1	ND	Tetrachloroethene	1	ND
1,2-Dibromo-3-Chloropropane	2	ND	Toluene	1	ND
1,2-Dibromoethane	2	ND	1,2,3-Trichlorobenzene	2	ND
Dibromomethane	2	ND	1,2,4-Trichlorobenzene	2	ND
1,2-Dichlorobenzene	1	ND	1,1,1-Trichloroethane	1	ND
1,3-Dichlorobenzene	1	ND	1,1,2-Trichloroethane	1	ND
1,4-Dichlorobenzene	1	ND	Trichloroethene	1	ND
Dichlorodifluoromethane	10	ND	Trichlorofluoromethane	2	ND
1,1-Dichloroethane	1	ND	1,2,3-Trichloropropane	1	ND
1,2-Dichloroethane	1	ND	1,2,4-Trimethylbenzene	1	ND
1,1-Dichloroethene	1	ND	1,3,5-Trimethylbenzene	1	ND
cis-1,2-Dichloroethene	1	ND	Vinyl Chloride	5	ND
trans-1,2-Dichloroethene	1	ND	Total Xylenes	2	ND
1,2-Dichloropropane	1	ND	MTBE	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane : 104.%
Toluene-d8 : 101.%
4-Bromofluorobenzene : 102.%

NOTES:
1 None detected

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
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LABORATORY REPORT

EPA METHOD 8260 WATER MATRIX

CLIENT: Heindel and Noyes
PROJECT NAME: Graphitek
REPORT DATE: February 16, 1998
DATE SAMPLED: February 6, 1998
DATE RECEIVED: February 9, 1998
ANALYSIS DATE: February 12, 1998

PROJECT CODE: HNGR1315
REF.#: 116,366
STATION: MW - 4
TIME SAMPLED: 4:05
SAMPLER: D.Grover

Parameter	Detection Limit (ug/L)	Result (ug/L)
Benzene	1	ND[1]
Bromobenzene	1	ND
Bromochloromethane	2	ND
Bromodichloromethane	1	ND
Bromoform	1	ND
Bromomethane	5	ND
n-Butylbenzene	1	ND
sec-Butylbenzene	1	ND
tert-Butylbenzene	1	ND
Carbon Tetrachloride	1	ND
Chlorobenzene	1	ND
Chloroethane	5	ND
Chloroform	1	ND
Chloromethane	10	ND
2&4-Chlorotoluene	2	ND
Dibromochloromethane	1	ND
1,2-Dibromo-3-Chloropropane	2	ND
1,2-Dibromoethane	2	ND
Dibromomethane	2	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Dichlorodifluoromethane	10	ND
1,1-Dichloroethane	1	ND
1,2-Dichloroethane	1	ND
1,1-Dichloroethene	1	ND
cis-1,2-Dichloroethene	1	TBQ[2]
trans-1,2-Dichloroethene	1	ND
1,2-Dichloropropane	1	ND

Parameter	Detection Limit (ug/L)	Result (ug/L)
1,3-Dichloropropane	1	ND
2,2-Dichloropropane	1	ND
1,1-Dichloropropene	1	ND
cis-1,3-Dichloropropene	1	ND
trans-1,3-Dichloropropene	1	ND
Ethylbenzene	1	ND
Hexachlorobutadiene	5	ND
Isopropylbenzene	1	ND
p-Isopropyltoluene	1	ND
Methylene Chloride	5	ND
Naphthalene	5	ND
n-Propylbenzene	1	ND
Styrene	2	ND
1,1,1,2-Tetrachloroethane	2	ND
1,1,2,2-Tetrachloroethane	2	ND
Tetrachloroethene	1	ND
Toluene	1	ND
1,2,3-Trichlorobenzene	2	ND
1,2,4-Trichlorobenzene	2	ND
1,1,1-Trichloroethane	1	ND
1,1,2-Trichloroethane	1	ND
Trichloroethene	1	ND
Trichlorofluoromethane	2	ND
1,2,3-Trichloropropane	1	ND
1,2,4-Trimethylbenzene	1	ND
1,3,5-Trimethylbenzene	1	ND
Vinyl Chloride	5	ND
Total Xylenes	2	ND
MTBE	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane : 103.%
Toluene-d8 : 97.%
4-Bromofluorobenzene : 103.%

NOTES:
1 None detected
2 Trace below quantitation limit

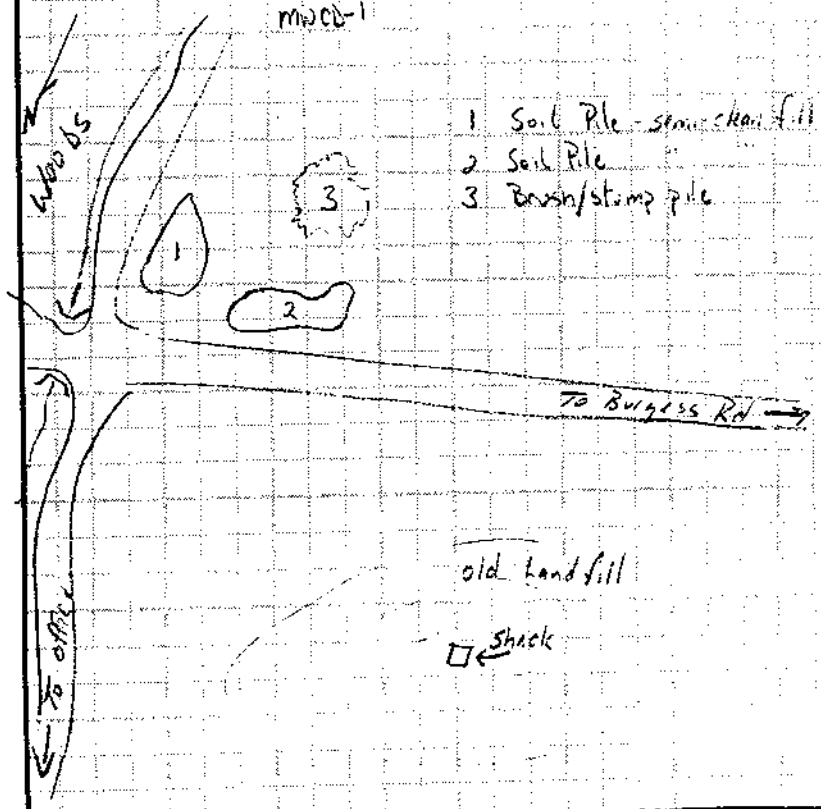
H
W N
Wagner, Heindel, and Noyes, Inc.
Consulting Geologists
428 Shelburne Rd.
So. Burlington, VT 05403

PROJECT: MSK/Graphitek

DATE: 2/5/98

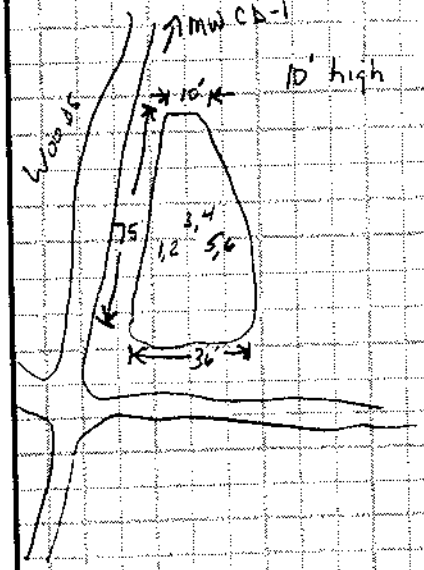
27° overcast John Medenwald

Site Map for soil samples taken at Burgess Bro. Landfill



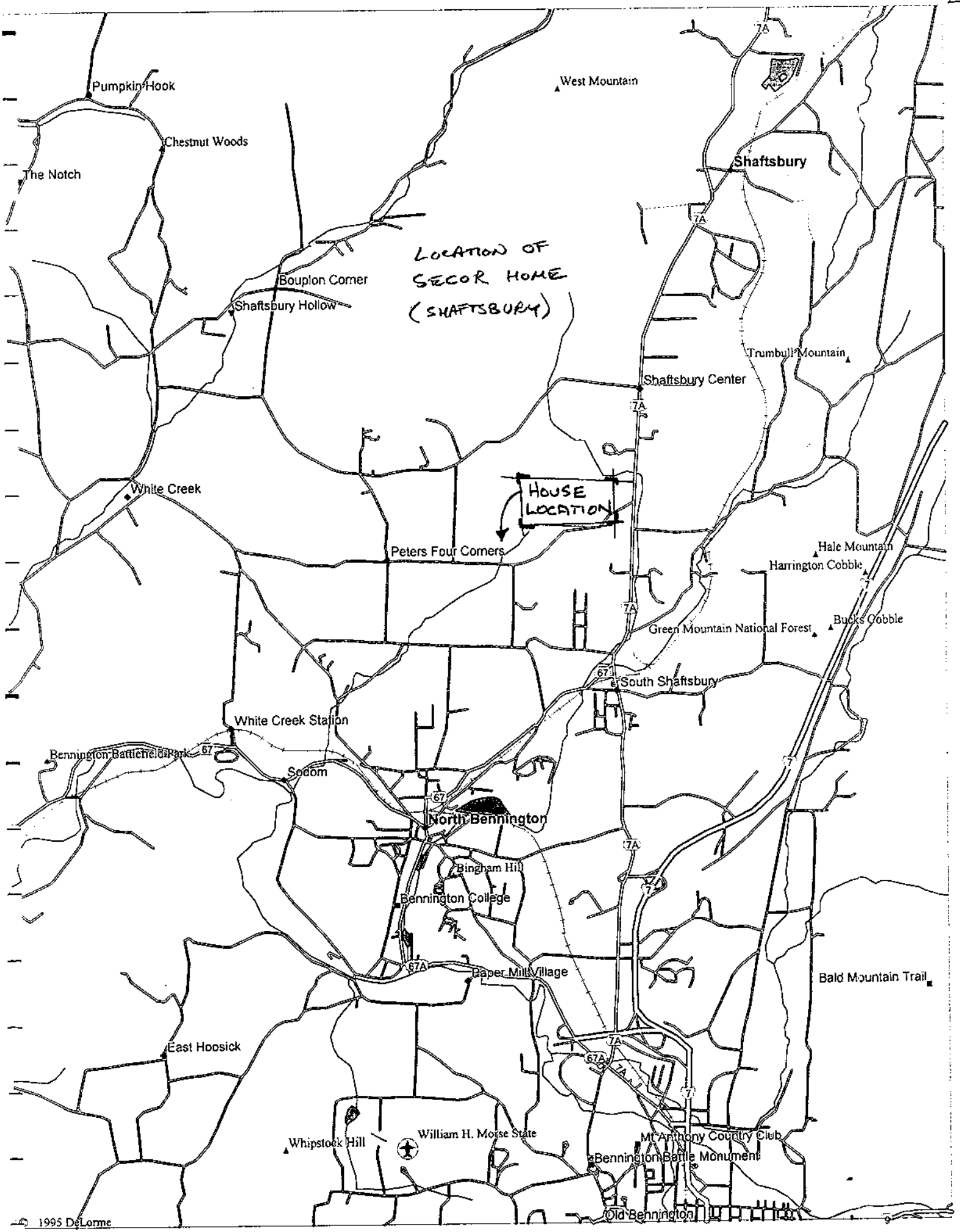
NTS.

Soil Pile #1



Test Pit	Location	Sample Depth	Description
1	50'	3'	brown, gravelly
2	50'	7'	brown, gravelly, pieces of black plastic sheets
3	30'	3'	dark brown, loam
4	30'	8'	brown, gravelly
5	40'	3'	brown, gravelly, some cobbles
6	40'	8'	brown, gravelly, some concrete pieces

Notes:
- Test Pit locations measured from South end of pile
- locations determined by interviewing driver
- Soil was dumped and then pushed up into pile
- Composite sample was taken.


Pumpkin Hook
Chestnut Woods
The Notch
West Mountain
Shaftsbury
LOCATION OF SECOR HOME (SHAFTSBURY)
Bouplon Corner
Shaftsbury Hollow
Trumbull Mountain
Shaftsbury Center
White Creek
HOUSE LOCATION
Peters Four Corners
Hale Mountain
Harrington Cobble
Green Mountain National Forest
Bucks Cobble
South Shaftsbury
White Creek Station
Bennington Battlefield Park
Sodom
North Bennington
Bingham Hill
Bennington College
Paper Mill Village
Bald Mountain Trail
East Hoosick
Whipstock Hill
William H. Morse State
Mt Anthony Country Club
Bennington Battle Monument
Old Bennington
7A
67
67A
7
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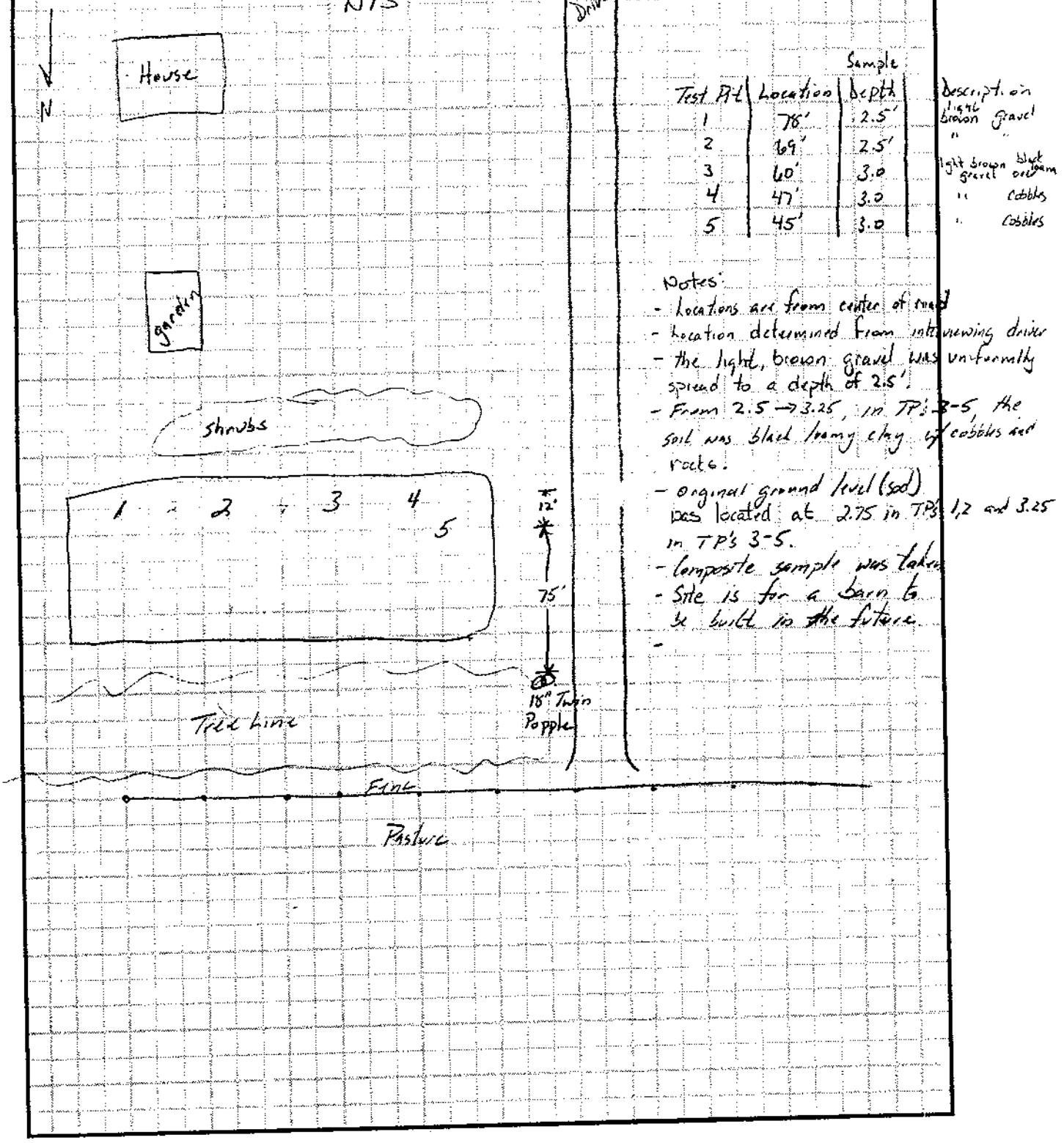
Wagner, Heindel, and Noyes, Inc.
Consulting Geologists
428 Shelburne Rd.
So. Burlington, VT 05403

PAGE 2 OF 2
PROJECT: MSK/Crapitek
DATE: 2/5/98

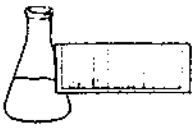
Site Map for soil samples taken at James Secor's residence

NTS



Test Pit	Location	Sample depth	Description
1	76'	2.5'	light brown gravel
2	69'	2.5'	" "
3	60'	3.0	light brown gravel black organic loam
4	47'	3.0	" Cobbles
5	45'	3.0	" Cobbles

Notes:
- Locations are from center of road
- Location determined from interviewing driver
- The light, brown gravel was unformally spread to a depth of 2.5'.
- From 2.5 → 3.25, in TP's 3-5, the soil was black loamy clay w/ cobbles and rocks.
- Original ground level (sod) was located at 2.75 in TP's 1,2 and 3.25 in TP's 3-5.
- Composite sample was taken
- Site is for a barn to be built in the future.
-



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
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REPORT OF LABORATORY ANALYSIS

CLIENT: Heindel and Noyes
PROJECT NAME: MSK/Graphitec/97161
REPORT DATE: February 12, 1998
DATE SAMPLED: February 5, 1998

PROJECT CODE: HNGR1316
REF. #: 116,367 - 116,368

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody.

Chain of custody did not indicate sample preservation.

All samples were prepared and analyzed by requirements outlined in the referenced method and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced method.

Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy were monitored by laboratory control standards which included matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits.

Individual sample performance was monitored by the addition of surrogate analytes to each sample. All surrogate recovery data was determined to be within Laboratory QA/QC guidelines unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

enclosures

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
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(802) 879-4333
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LABORATORY REPORT

EPA METHOD 8260 SOIL MATRIX

CLIENT: Heindel and Noyes
PROJECT NAME: MSK/Graphitec/97161
REPORT DATE: February 12, 1998
DATE SAMPLED: February 5, 1998
DATE RECEIVED: February 9, 1998
ANALYSIS DATE: February 11, 1998

PROJECT CODE: HNGR1316
REF.#: 116,367
STATION: Burgess
TIME SAMPLED: Not Indicated
SAMPLER: John Madenwald

Parameter	Detection Limit (ug/kg)	Result as received(ug/kg)	Parameter	Detection Limit (ug/kg)	Result as received(ug/kg)
Benzene	10	ND[1]	1,3-Dichloropropane	10	ND
Bromobenzene	10	ND	2,2-Dichloropropane	10	ND
Bromochloromethane	20	ND	1,1-Dichloropropene	10	ND
Bromodichloromethane	10	ND	cis-1,3-Dichloropropene	10	ND
Bromoform	10	ND	trans-1,3-Dichloropropene	10	ND
Bromomethane	50	ND	Ethylbenzene	10	ND
n-Butylbenzene	10	ND	Hexachlorobutadiene	50	ND
sec-Butylbenzene	10	ND	Isopropylbenzene	10	ND
tert-Butylbenzene	10	ND	p-Isopropyltoluene	10	ND
Carbon Tetrachloride	10	ND	Methylene Chloride	50	ND
Chlorobenzene	10	ND	Naphthalene	50	ND
Chloroethane	50	ND	n-Propylbenzene	10	ND
Chloroform	10	ND	Styrene	20	ND
Chloromethane	100	ND	1,1,1,2-Tetrachloroethane	20	ND
2&4-Chlorotoluene	20	ND	1,1,2,2-Tetrachloroethane	20	ND
Dibromochloromethane	10	ND	Tetrachloroethene	10	ND
1,2-Dibromo-3-Chloropropane	20	ND	Toluene	10	ND
1,2-Dibromoethane	20	ND	1,2,3-Trichlorobenzene	20	ND
Dibromomethane	20	ND	1,2,4-Trichlorobenzene	20	ND
1,2-Dichlorobenzene	10	ND	1,1,1-Trichloroethane	10	ND
1,3-Dichlorobenzene	10	ND	1,1,2-Trichloroethane	10	ND
1,4-Dichlorobenzene	10	ND	Trichloroethene	10	ND
Dichlorodifluoromethane	100	ND	Trichlorofluoromethane	20	ND
1,1-Dichloroethane	10	ND	1,2,3-Trichloropropane	10	ND
1,2-Dichloroethane	10	ND	1,2,4-Trimethylbenzene	10	ND
1,1-Dichloroethene	10	ND	1,3,5-Trimethylbenzene	10	ND
cis-1,2-Dichloroethene	10	ND	Vinyl Chloride	50	ND
trans-1,2-Dichloroethene	10	ND	Total Xylenes	20	ND
1,2-Dichloropropane	10	ND	MTBE	20	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0
PERCENT SOLID: 92.%
ANALYTICAL SURROGATE RECOVERY:
Dibromofluoromethane : 80.%
Toluene-d8 : 101.%
4-Bromofluorobenzene : 101.%

NOTES:
1 None detected

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
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FAX 879-7103

LABORATORY REPORT

EPA METHOD 8260 SOIL MATRIX

CLIENT: Heindel and Noyes
PROJECT NAME: MSK/Graphitec/97161
REPORT DATE: February 12, 1998
DATE SAMPLED: February 5, 1998
DATE RECEIVED: February 9, 1998
ANALYSIS DATE: February 11, 1998

PROJECT CODE: HNGR1316
REF.#: 116,368
STATION: Secor
TIME SAMPLED: Not Indicated
SAMPLER: John Madenwald

Parameter	Detection Limit (ug/kg)	Result as received(ug/kg)	Parameter	Detection Limit (ug/kg)	Result as received(ug/kg)
Benzene	10	ND[1]	1,3-Dichloropropane	10	ND
Bromobenzene	10	ND	2,2-Dichloropropane	10	ND
Bromochloromethane	20	ND	1,1-Dichloropropene	10	ND
Bromodichloromethane	10	ND	cis-1,3-Dichloropropene	10	ND
Bromoform	10	ND	trans-1,3-Dichloropropene	10	ND
Bromomethane	50	ND	Ethylbenzene	10	ND
n-Butylbenzene	10	ND	Hexachlorobutadiene	50	ND
sec-Butylbenzene	10	ND	Isopropylbenzene	10	ND
tert-Butylbenzene	10	ND	p-Isopropyltoluene	10	ND
Carbon Tetrachloride	10	ND	Methylene Chloride	50	ND
Chlorobenzene	10	ND	Naphthalene	50	ND
Chloroethane	50	ND	n-Propylbenzene	10	ND
Chloroform	10	ND	Styrene	20	ND
Chloromethane	100	ND	1,1,1,2-Tetrachloroethane	20	ND
2&4-Chlorotoluene	20	ND	1,1,2,2-Tetrachloroethane	20	ND
Dibromochloromethane	10	ND	Tetrachloroethene	10	ND
1,2-Dibromo-3-Chloropropane	20	ND	Toluene	10	ND
1,2-Dibromoethane	20	ND	1,2,3-Trichlorobenzene	20	ND
Dibromomethane	20	ND	1,2,4-Trichlorobenzene	20	ND
1,2-Dichlorobenzene	10	ND	1,1,1-Trichloroethane	10	ND
1,3-Dichlorobenzene	10	ND	1,1,2-Trichloroethane	10	ND
1,4-Dichlorobenzene	10	ND	Trichloroethene	10	ND
Dichlorodifluoromethane	100	ND	Trichlorofluoromethane	20	ND
1,1-Dichloroethane	10	ND	1,2,3-Trichloropropane	10	ND
1,2-Dichloroethane	10	ND	1,2,4-Trimethylbenzene	10	ND
1,1-Dichloroethene	10	ND	1,3,5-Trimethylbenzene	10	ND
cis-1,2-Dichloroethene	10	ND	Vinyl Chloride	50	ND
trans-1,2-Dichloroethene	10	ND	Total Xylenes	20	ND
1,2-Dichloropropane	10	ND	MTBE	20	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0
PERCENT SOLID: 83.%
ANALYTICAL SURROGATE RECOVERY:
Dibromofluoromethane : 85.%
Toluene-d8 : 104.%
4-Bromofluorobenzene : 103.%

NOTES:
1 None detected

7

VERMONT AGENCY OF NATURAL RESOURCES
HAZARDOUS MATERIALS MANAGEMENT

103 South Main Street
Waterbury, Vermont 05671-0404
802-241-3866

FOR STATE USE ONLY

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

COPY 3: FACILITY MAILS TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. VTD9812034333 — Manifest Document No. 20723	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address (where returned manifests are managed)
Crafiteck
Route 7 Bennington, Vermont 05201

4. Generator's Phone (802) 442-3183 ~~802-[illegible]~~

5. Transporter 1 Company Name: Aaron and Sons — 6. US EPA ID Number: VTD988375606

7. Transporter 2 Company Name: Pollution Solution — 8. US EPA ID Number: VTD982766537

9. Designated Facility Name and Site Address: Pollution Solution, Williston, Vermont 05459 — 10. US EPA ID Number: VTD982766537

A. State Manifest Document Number: VT0113806
B. Generator's Site (if different): [illegible]
C. State Trans. ID: [illegible] 961
D. Transporter's Phone (802) 847-[illegible]
E. State Trans. ID: VT [illegible] 1916
F. Transporter's Phone 802 [illegible]
G. State Facility's ID (if required): N/A
H. Facility's Phone (802) [illegible]-1200

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste Liquid, N.O.S. (Toluene/Xylene/Benzene), 9, NA3082, PG III (D018)	1	DD	35 gal	G	
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: Benzene [illegible] Sludge/Liquid (5 gal. [illegible]) 55 gallon drum — WP#035587 — ERG#171

K. Handling Codes for Wastes Listed Above: a. Interim S01 — Final T

15. Special Handling Instructions and Additional Information — Point of Departure or Entry - City, State
Accidental Spill 10800-CHEMTREC
Vt. Agency natural resources 802-241-3888 National Response 1800424-8802
Vermont Emergency Mgmt. 1-800-641-505 24 hours Emergency Contact: Johna MacNamara (802) 860-1200

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State law and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity operator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JS James R. Becor (Rep.) — Signature: [signature] — Month/Day/Year: 01 13 98

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AS Timothy J. Maroney — Signature: [signature] — Month/Day/Year: 01 13 98

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: PS ANDREW E. JOHNSON — VTD 7[illegible]433 — Signature: Andrew E Johnson on behalf of PSOV — Month/Day/Year: 01 30 98

19. Discrepancy Indication Space
Section 1 Should Read VTD981203433
Line 13 Type Should Read DM

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Christen C. Sasso — Signature: [signature] — Month/Day/Year: 02 02 98

In the event of a spill or emergency, contact the National Response Center 1-800-424-[illegible] and [illegible]

Heindel and Noyes
P.O. Box 64709 Burlington, Vermont 05406-4709

• Consulting Hydrogeologists
• Engineers
• Environmental Scientists

802-658-0820
Fax 802-860-1014

April 3, 1998

Mr. Chuck Schwer, Supervisor
Sites Management Section
103 South Main St.
Waterbury, Vt. 05671-0404

Re: Graphitek, Inc.

Dear Chuck,

Enclosed please find a map which was inadvertently omitted from the report sent to you earlier this week. Please insert this map into the map pocket of that report.

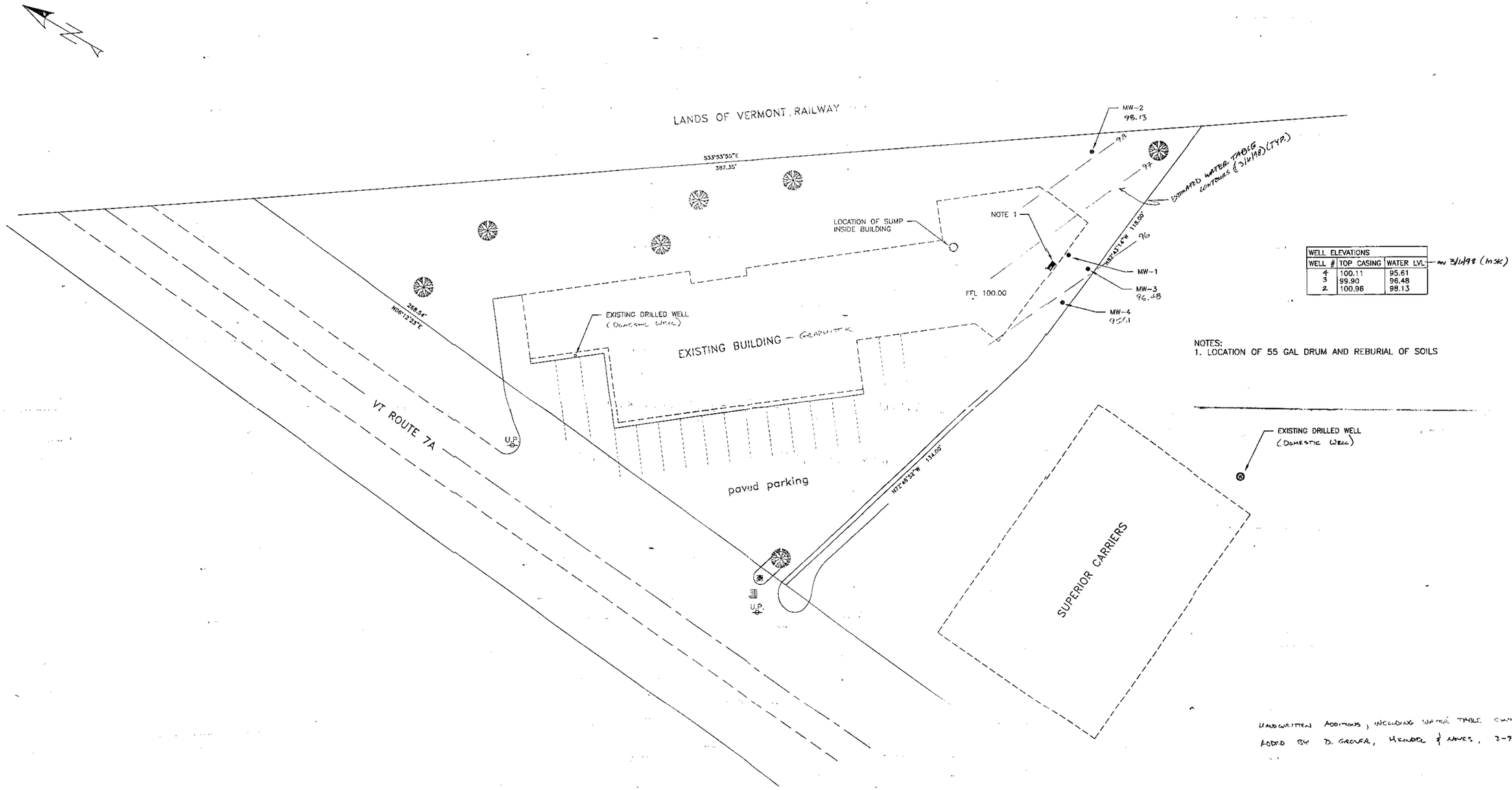
My apologies for any inconvenience this may have caused.

Sincerely,

Robin Russo

Robin Russo
Office Manager

cc: David Post
Jim Secor



WELL ELEVATIONS		
WELL #	TOP CASING	WATER LVL
4	100.11	95.61
3	99.90	96.48
2	100.96	98.13

— on 3/6/98 (MSK)

NOTES:
1. LOCATION OF 55 GAL DRUM AND REBURIAL OF SOILS

HANDWRITTEN ADDITIONS, INCLUDING WATER TABLE CONTOURS ADDED BY D. GROVER, HEINDEL & NAVES, 3-98.

REV.	DESCRIPTION	BY	DATE

MSK ENGINEERING AND DESIGN, INC.
P.O. BOX 168, HARWOOD HILL
BENNINGTON, VT 05201
PH: (802) 447-3340 FAX: (802) 447-0702

JOB NAME:	GRAPHITEK	DRAWN BY: JFE	CHECKED BY: JRS
LOCATION:	ROUTE 7A, BENNINGTON, VT	SCALE: 1" = 20'	
		DATE: 03/20/98	
CONTRACTOR:		JOB NUMBER	SHEET
DESCRIPTION:	SITE PLAN - AND WATER TABLE MAP		S-1 (A)