GRIFFIN INTERNATIONAL INC

JAN 21 10 05 AM '98

January 19, 1998

Mr. Peter Cole
Town Manager, Town of Weathersfield
Drawer E
Route 5
Ascutney, Vermont 05030

Re: Additional Subsurface Investigation and Quarterly Groundwater Monitoring Report for Weathersfield Town Garage, Weathersfield, Vermont (VT DEC Site #95-1799)

Dear Mr. Cole:

Enclosed please find the above referenced report for the Weathersfield Town Garage. Griffin recommends that that the current sampling frequency be continued in order to appropriately assess the status of contamination at the site.

Please call me if you have any questions regarding this report.

Sincerely,

Timothy J. Kelly

Timothy J. Kelly
Senior Staff Geologist

Enclosure

cc: Lynda Provencher, VTDEC
GI # 6954708

P.O. Box 943 • Williston, VT 05495 • Phone/Fax 802-865-4288
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ADDITIONAL SUBSURFACE INVESTIGATION AND QUARTERLY GROUNDWATER MONITORING REPORT

WEATHERSFIELD TOWN GARAGE
WEATHERSFIELD, VERMONT

VTDEC Site #95-1799
GI #6954708

JAN 21 10 05 AM '98

January 1998

Prepared for

Town of Weathersfield
Route 5
Ascutney, VT 05030

Prepared by

GRIFFIN INTERNATIONAL INC

P.O. Box 943
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TABLE OF CONTENTS

I. INTRODUCTION 1

II. MONITORING WELL INSTALLATION 1

III. DETERMINATION OF GROUNDWATER FLOW DIRECTION AND GRADIENT 2

IV. GROUNDWATER SAMPLING AND ANALYSIS 2

V. SUPPLY WELL SAMPLING AND ANALYSIS 3

VI. SOIL VAPOR EXTRACTION SYSTEM OPERATIONS 4

VII. SOIL STOCKPILE MONITORING 4

VIII. CONCLUSIONS 4

IX. RECOMMENDATIONS 5

APPENDIX A: FIGURES
- Site Map
- Groundwater Contour Map, December 3, 1997, Data
- Total BTEX Distribution Map, December 3, 1997, Data
- MTBE Distribution Map, December 3, 1997, Data

APPENDIX B: MONITORING WELL LOGS

APPENDIX C: TABLES
- Table 1 Liquid Level Monitoring Data, December 3, 1997, Data
- Table 2 Historical Groundwater Elevations
- Table 3 Groundwater Quality Summary, Monitoring Wells
- Table 4 Groundwater Quality Summary, Supply Wells

APPENDIX D: GROUNDWATER SAMPLING DATA, December 3, 1997
SUPPLY WELL SAMPLING DATA , October 27, 1997 & December 3, 1997

I. INTRODUCTION

This report provides the results of the October 1997 monthly supply well sampling and the December 1997 quarterly groundwater and supply well sampling events conducted by Griffin International (Griffin) at the Weathersfield Town Garage (Garage) in Weathersfield, Vermont, for the Town of Weathersfield.

As reported in the October 1997 *Quarterly Groundwater Monitoring Report,* methyl tertiary butyl ether (MTBE) was detected in the Beliveau Spring Well sample collected on August 21, 1997. Lynda Provencher of the Vermont Department of Environmental Conservation (VTDEC) initiated the provision of bottled water and the installation of a carbon filtration system in the Beliveau household. At the request of Ms. Provencher in a phone conversation on October 3, 1997, and with the approval of Mr. Peter Cole of the Town of Weathersfield, the number of supply wells sampled was increased and the frequency of sampling was increased from quarterly to monthly. In addition, Griffin recommended that additional monitoring wells be installed to further define the degree and extent of subsurface petroleum contamination detected in the vicinity of the Weathersfield Town Garage. A work plan and cost estimate for the installation of three new monitoring wells on the Garage property, a survey of the monitoring wells and significant features of the site, and the collection of groundwater samples from the new and existing monitoring wells was submitted to the Town of Weathersfield and to the VTDEC on November 3, 1997. This report provides the results of this additional investigation.

II. MONITORING WELL INSTALLATION

With the approval of the Town of Weathersfield and the VTDEC, three additional monitoring wells were installed at the site on November 24, 1997: MW-8, MW-9, and MW-10 (see Site Map in Appendix A). The boreholes were installed utilizing hollow-stem auger drilling methods. T&K Drilling, Inc., of Troy, New Hampshire, installed the wells under direct supervision of a Griffin geologist. During borehole advancement, two-foot split spoon samples were collected from approximately every five feet. Soils were screened for hydrocarbon vapors using an HNu™ Model PI-101 portable photoionization detector (PID). Soil characteristics and contaminant concentrations were recorded by the geologist in detailed well logs which are presented in Appendix B.

MW-8 was installed to a depth of 8.5 feet below grade where the auger bit met apparent bedrock refusal. MW-9 and MW-10 were both installed to a depth of 15 feet below grade. Soils encountered in the boreholes of the three wells consisted generally of medium-brown to gray, fine- to medium-grained sands, with a little gravel and cobbles locally. These soil types are largely consistent with those encountered in the boreholes for the existing seven monitoring wells.

No petroleum odors or staining of sediments were observed in any of the boreholes. In MW-8, total volatile organic compound (VOC) concentrations in the soil sample headspace were nondetectable as measured with the PID. In MW-9, total VOC concentrations in the soil sample headspaces were negligible, ranging from nondetectable to 1.4 ppm above background. In MW-10, total VOC concentrations in the soil screening sample headspaces were negligible, ranging from nondetectable to 0.2 ppm above background.

III. DETERMINATION OF GROUNDWATER FLOW DIRECTION AND GRADIENT

As requested by Lynda Provencher in a phone conversation on October 3, 1997, and approved by Mr. Peter Cole of the Town of Weathersfield, the locations of the supply wells in the vicinity of the Garage, significant site features, and the monitoring wells were surveyed in azimuth and elevation by Vermont Land Surveyors of South Burlington, VT, on December 3, 1997, with the exception of MW-6, which could not be located.

Before groundwater sampling, the depth to water was measured in eight of the monitoring wells. The water level measured in MW4 was not included because the riser had been bent to permit the insertion of the water level probe and bailer. The monitoring well locations are indicated on the Site Map. A tabulation of liquid level measurements for the December 3, 1997, sampling event is provided in Table 1 (Appendix C). Historical water table elevations are tabulated in Table 2 and revised with the new survey elevation data. The December 3, 1997, water table elevations were plotted on a site map to generate the Groundwater Contour Map. The groundwater flow direction in the vicinity of the Garage is generally to the north along a north-trending groundwater divide and "saddle." The average approximate groundwater gradient on December 3, 1997, in the vicinity of the Garage was calculated as 3.2%. While the groundwater elevation data from the additional wells (MW-8, MW-9, and MW-10) add a broader perspective and scope to the Groundwater Contour Map for December 3, 1997, as compared to previous maps, the groundwater flow direction and gradient in the vicinity of the Garage is generally consistent with most previous water table configurations.

IV. GROUNDWATER SAMPLING AND ANALYSIS

On December 3, 1997, Griffin collected groundwater samples from eight of the on-site monitoring wells. Groundwater samples were analyzed by Endyne, Inc. of Williston, Vermont, by EPA Method 602 for the presence of benzene, toluene, ethylbenzene, xylenes, (BTEX) and MTBE. Table 3 is a summary of the analytical results. The laboratory data sheets are included in Appendix D. Analytical results of the trip blank

and duplicate sample indicate that adequate Quality Assurance/ Quality Control was maintained throughout sample collection and analyses. Total BTEX concentration and MTBE concentration for the December 3, 1997, sampling event are plotted on two groundwater concentration maps.

The concentrations of benzene and toluene in the samples collected from MW-2, MW-3, and MW-5 on December 3, 1997, exceeded the Vermont Groundwater Enforcement Standards (VGES) for these constituents. The concentrations of ethylbenzene and xylenes in MW5 exceeded the VGES for these compounds. The concentration of MTBE in MW-2, MW-3, and MW-8 exceeded the VGES for this compound. The sample-specific detection limits for MTBE in MW-4 and MW-5 were above the VGES due to the elevated levels of petroleum constituents in these samples. Therefore, there is the potential that MTBE could have been present in these samples at concentrations above the VGES. A trace of MTBE below the quantitation limit was detected in MW-1 in the samples collected on December 3, 1997. Select BTEX compounds were detected at concentrations below their VGES in the sample collected from MW-8 on December 3, 1997.

No concentrations of BTEX or MTBE compounds were detected in MW7, MW-9, or MW-10 in the samples collected on December 3, 1997.

V. SUPPLY WELL SAMPLING AND ANALYSIS

Based on the information obtained during the October 2, 1997, confirmation sampling, (reported in the October 1997 *Quarterly Groundwater Monitoring Report*) two supply wells were added to the monthly supply well sampling schedule: the Balargeon supply and the Corps of Engineers Stoughton Pond Recreation Area Host supply well (COE Well) (see Site Map). The Balargeon well is available throughout the year for sample collection. However, the COE well is only accessible for sampling from May to September. Therefore, the sampling of the COE well will be coordinated with the May to September monthly supply well sampling.

On October 27, 1997, monthly supply well samples were collected from the Adams Supply Well, the Balargeon Supply Well, and the Beliveau In (influent to the carbon filtration system) and post-carbon-filtration-system (Beliveau Mid and Beliveau Effluent) sample locations. Theses samples were collected after sunset. The Adams Abandoned Well and the Garage Supply Well were not accessible or did not have adequate lighting to allow sampling.

On December 3, 1997, supply well samples were collected from the Adams Abandoned Well; the Adams Supply Well; the Balargeon Supply Well; the Beliveau In, Beliveau Mid, and Beliveau Effluent sample locations; and the Garage Supply Well at the Well Casing.

No BTEX or MTBE compounds were detected in the samples collected on October 27, 1997, from the Adams Supply Well, the Balargeon Supply Well, Beliveau Mid, or Beliveau Effluent sample locations. MTBE was detected in the Beliveau In sample at a concentration above the VGES.

On December 3, 1997, no BTEX or MTBE compounds were detected in the samples from the Adams Abandoned Well, the Adams Supply Well, the Garage Supply Well Casing, the Balargeon Supply Well, Beliveau Mid, or Beliveau Effluent sample locations. MTBE was detected in the Beliveau In sample at a concentration slightly below the VGES.

The results for these supply wells are summarized in Table 4. The laboratory data sheets are included in Appendix D.

VI. SOIL VAPOR EXTRACTION SYSTEM OPERATIONS

The Soil Vapor Extraction System (SVES) was shut down on January 15, 1997. The system remains in place as recommended in the November 1996 quarterly report pending a reassessment of the necessity of the system.

VII. SOIL STOCKPILE MONITORING

The on-site stockpile of petroleum contaminated soils was monitored for VOCs with an HNu™ Model PI-101 PID on November 24, 1997. Samples were collected from depths of 3 feet and placed in plastic bags for headspace screening per Griffin protocol. Screening results ranged from 8.8 ppm to 13.8 parts per million (ppm) of total VOCs in air. These concentrations exceed the maximum VOC headspace concentration limit for spreading on-site as written in the VTDEC *Agency Guidelines for Petroleum Contaminated Soil and Debris*, dated August 1996. These guidelines state that the vapor concentration in soil screening sample headspaces must be below 1 ppm and there must be no visual or olfactory evidence of contamination before petroleum contaminated soils may be spread on-site.

VIII. CONCLUSIONS

Based on the results of the additional subsurface investigation, groundwater sampling, and on the observations made during monthly supply well sampling, Griffin presents the following conclusions:

1) Dissolved-phase contaminant concentrations have continued to show a general decreasing trend in wells MW-1, MW-2, MW4, and MW5 since mid to late 1996.

Dissolved-phase contaminant concentrations have generally increased in MW-3 since October 1996. MW-2, MW-3, MW-4, MW-5, and MW-8 had select BTEX and/or MTBE concentrations above the respective VGES for these compounds. Dissolved-phase contaminant concentrations in MW7 have remained below the contaminant detection limits since this well was installed. No VOCs were detected in MW-9 or MW-10 in the samples collected on December 3, 1997.

2) Based on the available data, the extent of dissolved petroleum constituents in the on-site groundwater is limited to the vicinity of the Garage.

3) Based on the available data, the Beliveau Spring water supply has been impacted by subsurface MTBE contamination. No other on or off-site supply wells are known to have been impacted by subsurface petroleum-related contamination. The source of the MTBE in the Beliveau well is as yet undetermined.

4) The SVES has remained shut down since January 15, 1997, as recommended in the November 1996 quarterly report.

5) The results of the screening of the on-site stockpile of petroleum contaminated soils showed concentrations of total VOCs in air that are greater than the maximum VOC concentration of 1 ppm as stated in the VTDEC guidelines.

IX. RECOMMENDATIONS

Base upon the above conclusions, Griffin recommends the following actions:

1) The groundwater concentration data indicate that the contaminant concentrations continue to decrease in MW-4 and MW-5, indicating that there is not a significant, continuing source of contamination in the vadose zone. Therefore, it is recommended that the effectiveness of the system be reassessed in May 1998.

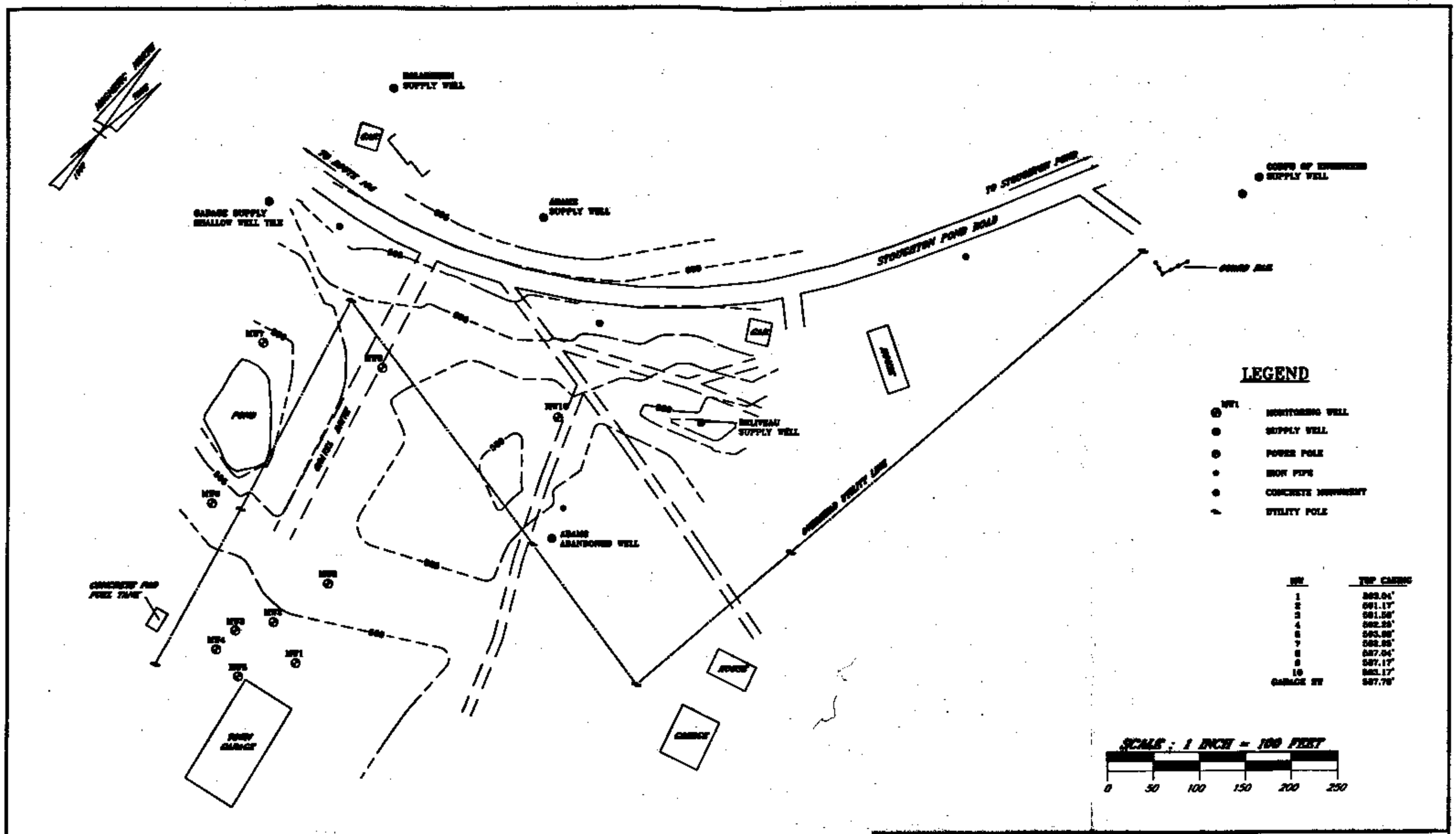
2) Quarterly groundwater sample collection and analyses by EPA Method 602 should continue. The next round of sample collection should be scheduled for February 1998.

3) Monthly supply well sample collection and analyses by EPA Method 602 from the Adams Abandoned Well; the Adams Supply Well; the Balargeon Supply Well; the Beliveau In, Beliveau Mid, and Beliveau Effluent sample locations; and the Garage Supply Well (Culvert and Sink) should continue. The next round of sample collection is scheduled for early January 1998.

4) The soil stockpile should continue to be monitored annually. When contamination levels meet state guidelines for spreading, the soils can be spread on site with VTDEC approval.

APPENDIX A

FIGURES



ELEVATIONS ARE BASED UPON CONCRETE ARMY CORPS OF ENGINEERS MONUMENTS FOUND ALONG STOUGHTON POND ROAD. GIVEN AS FEET ABOVE MEAN SEA LEVEL.

TOPOGRAPHIC SURVEY
FOR
GRIFFIN INTERNATIONAL, INC.
WEATHERSFIELD TOWN GARAGE
STOUGHTON POND ROAD
WEATHERSFIELD, VERMONT.
BY VERMONT LAND SURVEYORS

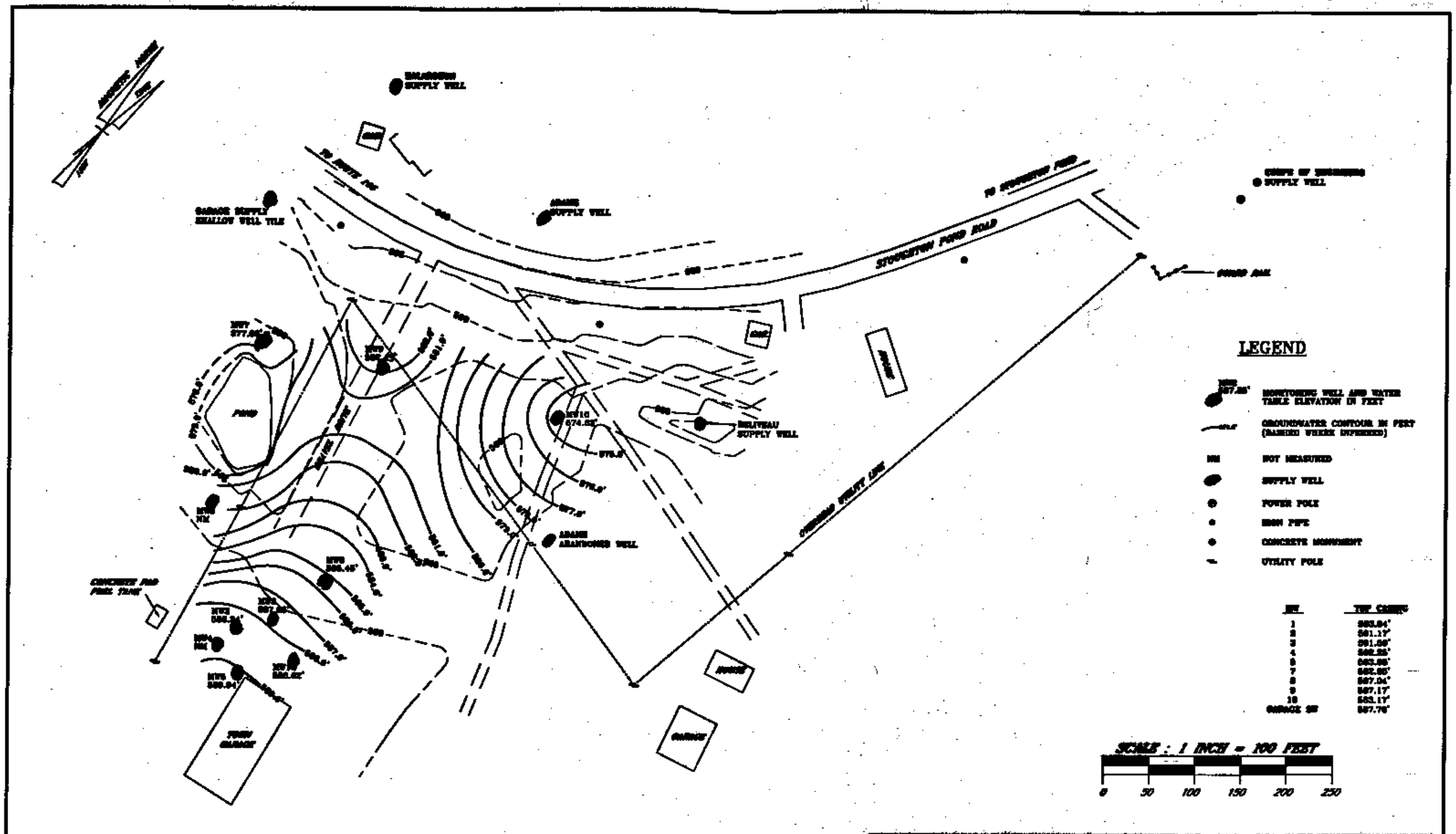
GRIFFIN INTERNATIONAL

WEATHERSFIELD TOWN GARAGE

WEATHERSFIELD, VERMONT

SITE MAP

DATE: 12/10/97	DWG.#: 2	SCALE: 1"=100'	DRN.: SJB	APP.: TK



MW	TOP CASING
1	583.04'
2	581.11'
3	581.60'
4	580.55'
5	583.00'
7	582.00'
8	587.04'
9	587.17'
10	583.17'
GARAGE SP	587.70'

SEE STOUGHTON

DISTANCES ARE BASED UPON CONCRETE ARMY CORPS OF ENGINEERS MONUMENTS FOUND ALONG STOUGHTON POND ROAD. GIVEN AS FEET ABOVE MEAN SEA LEVEL.

TOPOGRAPHIC SURVEY FOR GRIFFIN INTERNATIONAL, INC. WEATHERSFIELD TOWN GARAGE STOUGHTON POND ROAD WEATHERSFIELD, VERMONT BY VERMONT LAND SURVEYORS

JOB NO. [illegible]

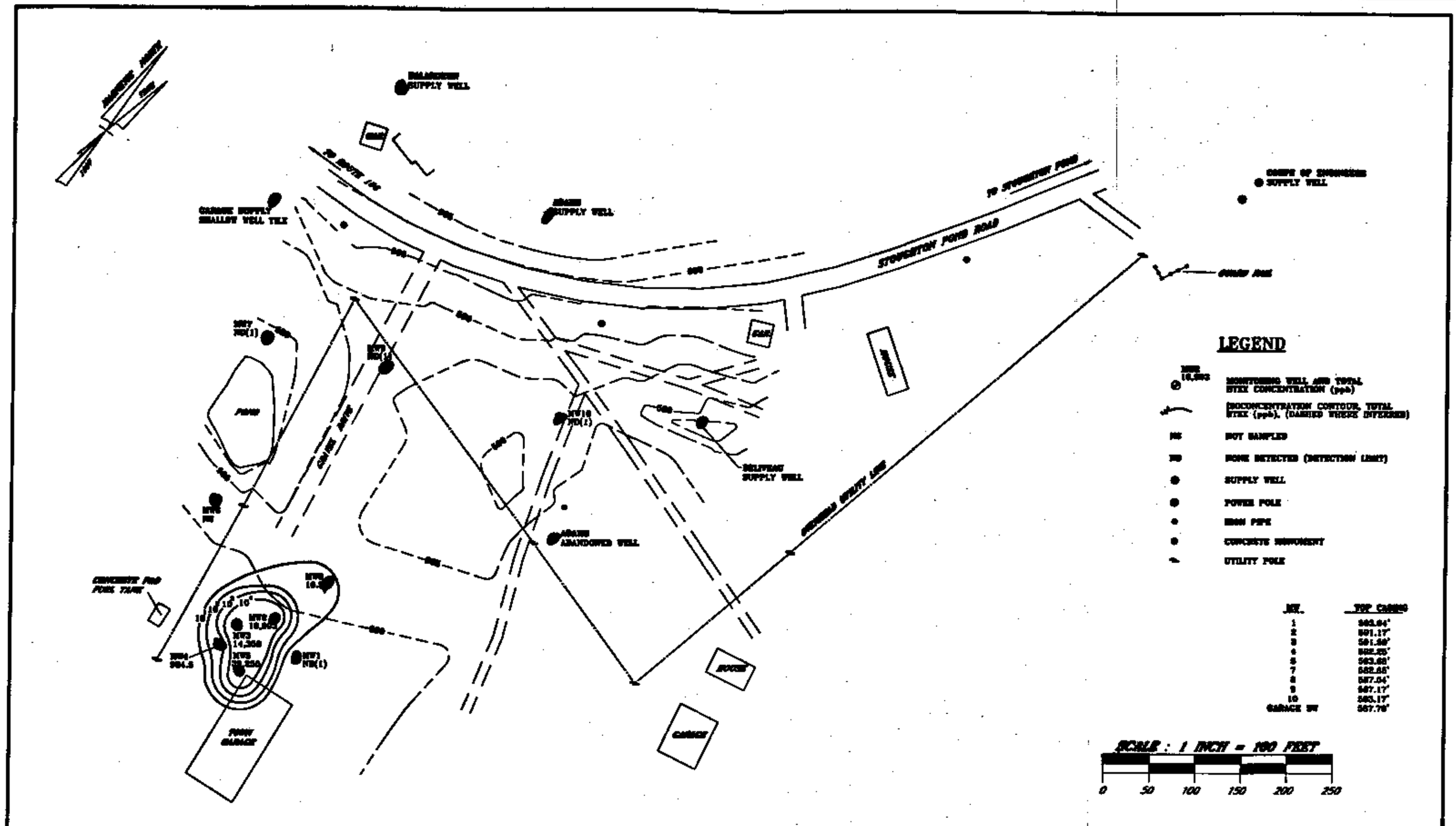
GRIFFIN INTERNATIONAL

WEATHERSFIELD TOWN GARAGE

WEATHERSFIELD, VERMONT

GROUNDWATER CONTOUR MAP MEASUREMENT DATE: 12/3/97

DATE: 12/15/97	DWG.#: 3	SCALE: 1"=100'	DRN.: SJB	APP.: TK

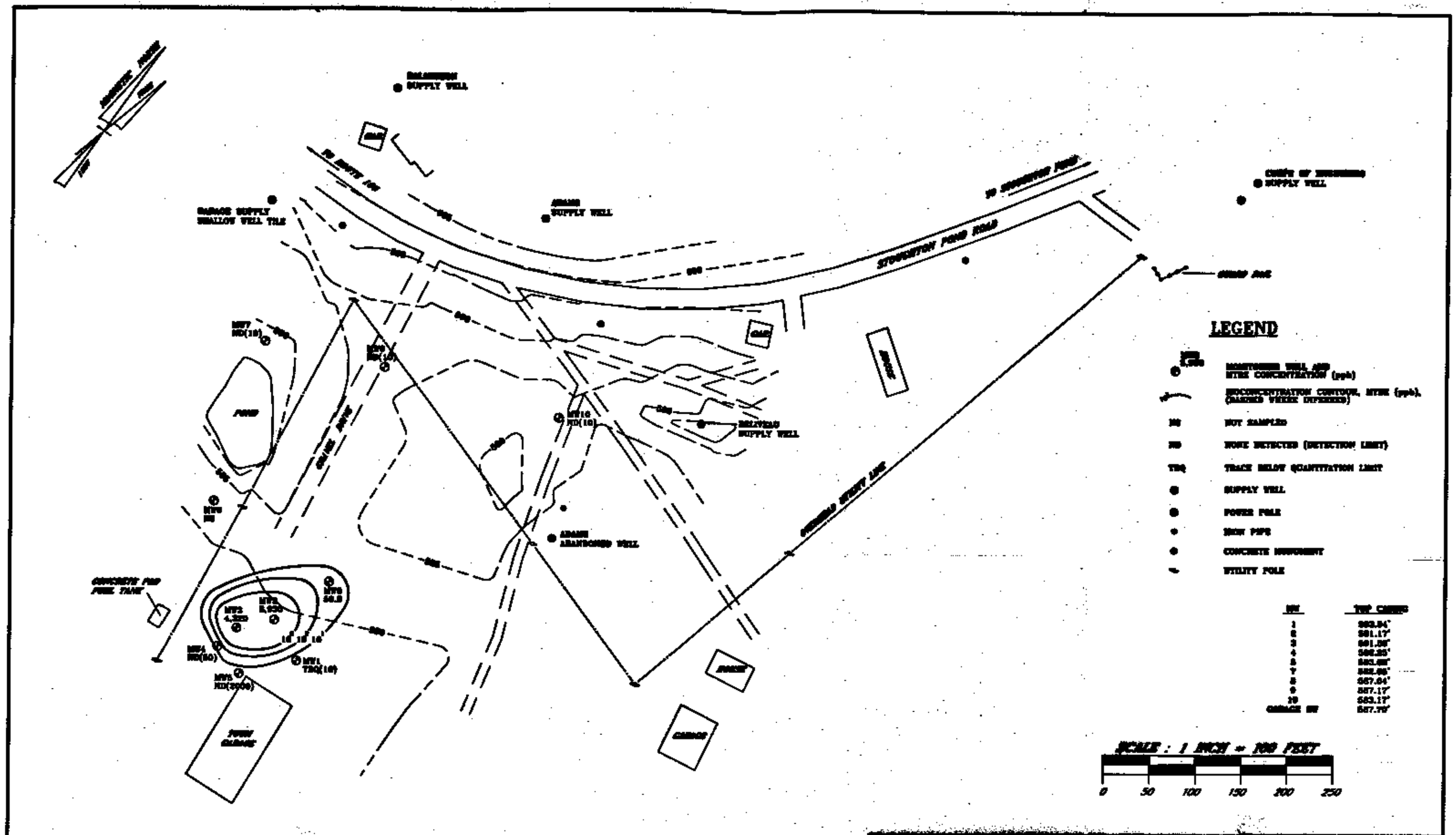


WEATHERSFIELD TOWN GARAGE

WEATHERSFIELD, VERMONT

TOTAL BTEX DISTRIBUTION MAP
SAMPLE DATE: 12/3/97

DATE: 12/15/97	DWG.#: 4	SCALE: 1"=100'	DRN.: RJB	APP.: TK



IRON STOCKPILE

ELEVATIONS ARE BASED UPON CONCRETE ARMY CORPS OF ENGINEERS MONUMENTS FOUND ALONG STOUGHTON POND ROAD. GIVEN AS FEET ABOVE MEAN SEA LEVEL.

TOPOGRAPHIC SURVEY
FOR
GRIFFIN INTERNATIONAL, INC.
WEATHERSFIELD TOWN GARAGE
STOUGHTON POND ROAD
WEATHERSFIELD, VERMONT
BY VERMONT LAND SURVEYORS

GRIFFIN INTERNATIONAL

WEATHERSFIELD TOWN GARAGE

WEATHERSFIELD, VERMONT

MTBE DISTRIBUTION MAP
SAMPLE DATE: 12/3/97

DATE: 12/15/97	DWG.#: 5	SCALE: 1"=100'	DRN.: SJB	APP.: TK

APPENDIX B

MONITORING WELL LOGS

PROJECT WEATHERSFIELD TOWN GARAGE

LOCATION WEATHERSFIELD, VERMONT

DATE DRILLED 11/24/97 TOTAL DEPTH OF HOLE 8.5'

DIAMETER 6.25"

SCREEN DIA. 2" LENGTH 5.0' SLOT SIZE 0.010"

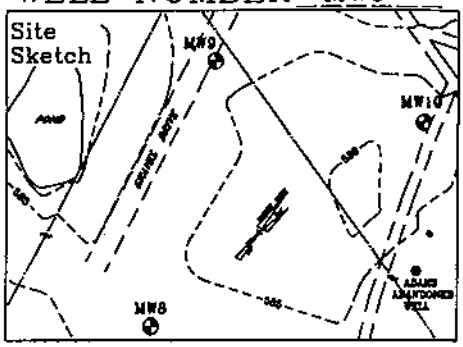
CASING DIA. 2" LENGTH 3.0' TYPE sch 40 pvc

DRILLING CO. T&K DRILLING METHOD HSA

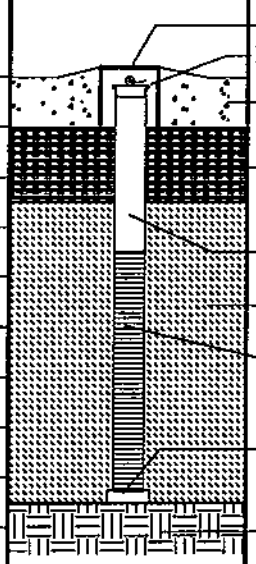
DRILLER A. TOMMILA LOG BY T. KELLY

WELL NUMBER MW8

Site Sketch

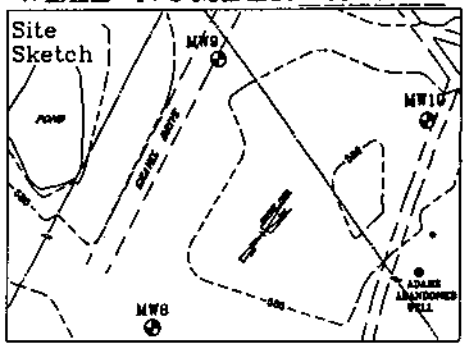


GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0		ROAD BOX LOCKING WELL CAP CONCRETE			0
1				Medium brown SAND with some gravel, and a little silt, moist.	1
2		BENTONITE			2
3		WELL RISER		Greenish gray, medium SAND with a little silt, trace gravel, local cobbles no odor.	3
4		SANDPACK			4
5					5
6		WELL SCREEN	5'-7'- 2/2/5/8 0 ppm	Same as above, wet.	6
7		BOTTOM CAP			7
8				Same as above with a little gravel, no odor.	8
9		BEDROCK		BASE OF WELL AT 8.5' REFUSAL AT 8.5'	9
10					10
11					11
12					12
13					13
14					14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					24
25					25

PROJECT WEATHERSFIELD TOWN GARAGE
LOCATION WEATHERSFIELD, VERMONT
DATE DRILLED 11/24/97 TOTAL DEPTH OF HOLE 17.0'
DIAMETER 6.25"
SCREEN DIA. 2" LENGTH 10.0' SLOT SIZE 0.010"
CASING DIA. 2" LENGTH 5.0' TYPE sch 40 pvc
DRILLING CO. T&K DRILLING METHOD HSA
DRILLER A. TOMMILA LOG BY T. KELLY

WELL NUMBER MW9

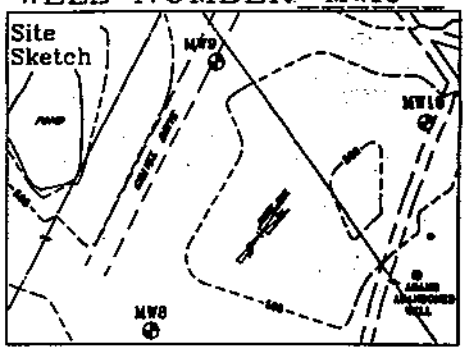


GRIFFIN INTERNATIONAL, INC

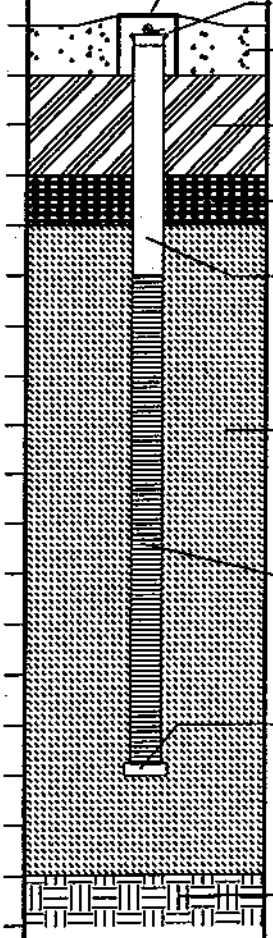
DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0–1		ROAD BOX; LOCKING WELL CAP; CONCRETE			0–1
1–3		NATIVE BACKFILL		Medium brown, medium SAND with a little fine gravel and silt, moist.	1–3
3–4		BENTONITE			3–4
4–5		WELL RISER			4–5
5–7			5'–7'– 5/11/14/18 0 ppm	Medium brown, fine to medium SAND with a trace of gravel, no odor, moist.	5–7
7–10		SANDPACK			7–10
10				10.5' WATER TABLE	10
10–12		WELL SCREEN	10'–12'– 2/2/4/6 0.1 ppm	Same as above, wet, no odor.	10–12
12–14		BOTTOM CAP			12–14
14–15					14–15
15–17			15'–17'– 21/25/34/38 1.4 ppm	Medium brown, fine to medium SAND with some gravel and a little silt.	15–17
17		UNDISTURBED NATIVE SOIL		BASE OF WELL AT 15.0' END OF EXPLORATION AT 17.0'	17
18–25					18–25

WELL NUMBER MW10

PROJECT WEATHERSFIELD TOWN GARAGE
LOCATION WEATHERSFIELD, VERMONT
DATE DRILLED 11/24/97 TOTAL DEPTH OF HOLE 17.0'
DIAMETER 6.25"
SCREEN DIA. 2" LENGTH 10.0' SLOT SIZE 0.010"
CASING DIA. 2" LENGTH 5.0' TYPE sch 40 pvc
DRILLING CO. T&K DRILLING METHOD HSA
DRILLER A. TOMMILA LOG BY T. KELLY



GRIFFIN INTERNATIONAL, INC



DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0–5				Medium brown, fine SAND, no odor.	0–5
5–7		WELL RISER	5'–7'– 6/14/17/22 0 ppm	Medium brown, fine to coarse SAND with a little gravel, cobbles, moist, no odor.	5–7
7–10		SANDPACK			7–10
10–12		WELL SCREEN	10'–12'– 4/7/10/10 0.1 ppm	Same as above, no odor, wet. 12.0' WATER TABLE	10–12
12–15		BOTTOM CAP			12–15
15–17		UNDISTURBED NATIVE SOIL	15'–17'– 3/5/7/13 0.2 ppm	Medium gray, fine SAND with a little silt and gravel, wet.	15–17
17–25				BASE OF WELL AT 15.0' END OF EXPLORATION AT 17.0'	17–25

APPENDIX C

TABLES

TABLE 1

Liquid Level Monitoring Data
Weathersfield Town Garage
Weathersfield, Vermont

Monitoring Date: 12-3-97

Well I.D.	Well Depth	Top of Casing Elevation	Depth to Product	Depth to Water	Corrected Water Table Elevation
MW-1		593.04	-	4.42	588.62
MW-2		591.17	-	3.32	587.85
MW-3		591.59	-	3.25	588.34
MW-4		592.25	-	NM	NM
MW-5		593.68	-	4.64	589.04
MW-6		Not Located	-	NM	NM
MW-7		582.65	-	4.99	577.66
MW-8		587.04	-	1.59	585.45
MW-9		587.17	-	4.72	582.45
MW-10		583.57	-	8.94	574.63

Note: All values reported in feet above mean sea level.
NM = Not Measured
Site was resurveyed on 12/3/97

TABLE 2

Historical Groundwater Elevations
Weathersfield Town Garage
Weathersfield, Vermont

Well No.	Monitoring Date:													
	2-8-96	3-20-96	4-4-96	4-19-96	5-2-96	5-16-96	6-7-96	7-5-96	7-23-96	9-9-96	10-2-96	5-2-97	8-21-97	12-3-97
MW-1	-	-	-	-	589.42	-	-	-	588.06	-	586.40	588.79	585.77	588.62
MW-2	-	588.37	588.55	588.79	588.78	588.41	587.56	587.39	587.27	585.70	585.67	588.16	585.73	587.85
MW-3	-	588.94	588.61	588.85	589.35	588.96	588.07	-	587.90	585.85	586.55	-	-	588.34
MW-4	-	589.62	589.04	589.26	589.83	589.43	588.42	-	588.27	586.70	587.07	589.10	587.06	-
MW-5	-	589.25	589.17	589.85	589.84	589.49	588.65	-	588.51	586.95	587.32	589.20	586.50	589.04
MW-6	579.74	579.61	579.68	581.84	582.72	582.42	579.28	-	579.15	576.80	-	-	-	-
MW-7	580.01	579.93	579.84	582.15	-	-	579.22	-	578.45	575.12	575.06	581.24	575.17	577.66
MW-8	-	-	-	-	-	-	-	-	-	-	-	-	-	585.45
MW-9	-	-	-	-	-	-	-	-	-	-	-	-	-	582.45
MW-10	-	-	-	-	-	-	-	-	-	-	-	-	-	574.63

Note: all values reported in feet

Ref : 4708.XLS

Table 3. Groundwater Quality Summary, Weathersfield Town Garage, Weathersfield, VT.

MW-1

PARAMETER	Date of Sample Collection									VGES*
	6-27-95	7-25-95	10-4-95	1-24-96	5-2-96	7-23-96	10-2-96	5-2-97	8-21-97	
Benzene					ND (1)	ND (5)	ND(20)	ND (1)	Not	5.0
Chlorobenzene	No	No	No	No	ND (1)	ND (5)	ND(20)	ND (1)	Sampled	100.0
1,2-DCB	Sample	Sample	Sample	Sample	ND (1)	ND (5)	ND(20)	ND (1)		600.0
1,3-DCB					ND (1)	ND (5)	ND(20)	ND (1)	No	600.0
1,4-DCB	dry	dry	dry	ground	ND (1)	ND (5)	ND(20)	ND (1)	Recovery	75.0
Ethylbenzene				was frozen	ND (1)	ND (5)	ND(20)	ND (1)		700.0
Toluene					ND (1)	ND (5)	ND(20)	ND (1)		1,000.0
Xylenes					ND (1)	ND (5)	ND(20)	ND (1)		10,000.0
Total BTEX					ND	ND	ND	ND (1)		-
MTBE					71.6	288.0	1,910.0	ND (10)		40.0
BTEX+MTBE					71.6	288.0	1,910.0	ND (10)		-

MW-1

PARAMETER	Date of Sample Collection									VGES*
	12-3-97									
Benzene	ND (1)									5.0
Chlorobenzene	ND (1)									100.0
1,2-DCB	ND (1)									600.0
1,3-DCB	ND (1)									600.0
1,4-DCB	ND (1)									75.0
Ethylbenzene	ND (1)									700.0
Toluene	ND (1)									1,000.0
Xylenes	ND (1)									10,000.0
Total BTEX	ND (1)									-
MTBE	TBQ(10)									40
BTEX+MTBE	TBQ(10)									-

All values reported in ug/L (ppb)

Detections are **Bold**

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Ref: 4/08.xls

Table 3. Groundwater Quality Summary, Weathersfield Town Garage, Weathersfield, VT. (cont'd)

MW-2

PARAMETER	Date of Sample Collection									VGES*
	6-27-95	7-25-95	10-4-95	1-24-96	5-2-96	7-23-96	10-2-96	5-2-97	8-21-97	
Benzene					1,260.0	3,920.0		1,980.0	Not	5.0
Chlorobenzene	No	No	No	No	ND (200)	ND (200)	No	ND (200)	Sampled	100.0
1,2-DCB	Sample	Sample	Sample	Sample	ND (200)	ND (200)	Sample	ND (200)		600.0
1,3-DCB					ND (200)	ND (200)		ND (200)	No	600.0
1,4-DCB	dry	dry	dry	ground	ND (200)	ND (200)	not	ND (200)	Recovery	75.0
Ethylbenzene				was frozen	495.0	1,320.0	enough	474.0		700.0
Toluene					5,220.0	8,760.0	water	3,970.0		1,000.0
Xylenes					5,660.0	11,500.0		6,370.0		10,000.0
Total BTEX					12,635.0	25,500.0		12,794.0		-
MTBE					14,100.0	6,850.0		8,640.0		40
BTEX + MTBE					26,735.0	32,350.0		21,434.0		-

MW-2

PARAMETER	Date of Sample Collection									VGES*
	12-3-97									
Benzene	2,520.0									5.0
Chlorobenzene	ND(200)									100.0
1,2-DCB	ND(200)									600.0
1,3-DCB	ND(200)									600.0
1,4-DCB	ND(200)									75.0
Ethylbenzene	253.0									700.0
Toluene	5,260.0									1,000.0
Xylenes	2,960.0									10,000.0
Total BTEX	10,993.0									-
MTBE	3,930.0									40
BTEX + MTBE	14,923.0									-

All values reported in ug/L (ppb)

Detections are **Bold**

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Ref: 4708.xls

Table 3. Groundwater Quality Summary, Weathersfield Town Garage, Weathersfield, VT. (cont'd)

MW-3

PARAMETER	Date of Sample Collection									VGES*
	6-27-95	7-25-95	10-4-95	1-24-96	5-2-96	7-23-96	10-2-96	5-2-97	8-21-97	
Benzene		478.0	37.5	Not	689.0	251.0	466.0	Not	1,660.0	5.0
Chlorobenzene	No	ND (20)	ND (5)	Sampled	ND (50)	ND (50)	ND (50)	Sampled	ND(200)	100.0
1,2-DCB	Sample	ND (20)	ND (5)		ND (50)	ND (50)	ND (50)		ND(200)	600.0
1,3-DCB		ND (20)	ND (5)		ND (50)	ND (50)	ND (50)		ND(200)	600.0
1,4-DCB	well not	ND (20)	ND (5)	ground	ND (50)	ND (50)	ND (50)		ND(200)	75.0
Ethylbenzene	developed	92.0	TBQ (5)	was frozen	907.0	349.0	237.0		542.0	700.0
Toluene	yet	1230.0	52.6		6,160.0	1,880.0	2,740.0		7,140.0	1,000.0
Xylenes		937.0	131.0		6,790.0	4,850.0	4,450.0		8,340.0	10,000.0
Total BTEX		2737.0	221.1		14,546.0	7,330.0	7,893.0		17,682.0	-
MTBE		4250.0	811.0		3,350.0	1,120.0	1,590.0		15,100.0	40
BTEX+MTBE		6987.0	1032.1		17,896.0	8,450.0	9,483.0		32,782.0	-

MW-3

PARAMETER	Date of Sample Collection									VGES*
	12-3-97									
Benzene	935.0									5.0
Chlorobenzene	ND (200)									100.0
1,2-DCB	ND (200)									600.0
1,3-DCB	ND (200)									600.0
1,4-DCB	ND (200)									75.0
Ethylbenzene	553.0									700.0
Toluene	5,010.0									1,000.0
Xylenes	7,860.0									10,000.0
Total BTEX	14,358.0									-
MTBE	4,320.0									40
BTEX+MTBE	18,678.0									-

All values reported in ug/L (ppb)

Detections are **Bold**

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Ref: 4708.xls

Table 3. Groundwater Quality Summary, Weathersfield Town Garage, Weathersfield, VT. (cont'd)

MW-4

PARAMETER	Date of Sample Collection									VGES*
	6-27-95	7-25-95	10-4-95	1-24-96	5-2-96	7-23-96	10-2-96	5-2-97	8-21-97	
Benzene		ND (50)	812.0		252.0	1130.0	206.0	18.9	ND(1)	5.0
Chlorobenzene	No	ND (50)	ND (50)	Not	ND (50)	ND (50)	ND (50)	ND (10)	ND(1)	100.0
1,2-DCB	Sample	ND (50)	ND (50)	Sampled	ND (50)	ND (50)	ND (50)	ND (10)	ND(1)	600.0
1,3-DCB		ND (50)	ND (50)		ND (50)	ND (50)	ND (50)	ND (10)	ND(1)	600.0
1,4-DCB	well not	ND (50)	ND (50)	ground	ND (50)	ND (50)	ND (50)	ND (10)	ND(1)	75.0
Ethylbenzene	developed	ND (50)	ND (50)	was frozen	660.0	387.0	51.6	50.4	ND(1)	700.0
Toluene	yet	ND (50)	694.0		2870.0	3070.0	890.0	465.0	9.1	1,000.0
Xylenes		ND (50)	1040.0		5110.0	5460.0	2380.0	1130.0	206.0	10,000.0
Total BTEX		ND	2546.0		8892.0	10047.0	3527.6	1664.3	215.1	-
MTBE		3440.0	2360.0		ND (500)	1420.0	ND(500)	ND(100)	ND(10)	40
BTEX + MTBE		3440.0	4906.0		8892.0	11467.0	3527.6	1664.3	215.1	-

MW-4

PARAMETER	Date of Sample Collection									VGES*
	12-3-97									
Benzene	ND(5)									5.0
Chlorobenzene	ND(5)									100.0
1,2-DCB	ND(5)									600.0
1,3-DCB	ND(5)									600.0
1,4-DCB	ND(5)									75.0
Ethylbenzene	15.0									700.0
Toluene	78.5									1,000.0
Xylenes	891.0									10,000.0
Total BTEX	984.5									-
MTBE	ND(50)									40
BTEX + MTBE	984.5									-

All values reported in ug/L (ppb)

Detections are **Bold**

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Ref: 4/08.xls

Table 3. Groundwater Quality Summary, Weathersfield Town Garage, Weathersfield, VT. (cont'd)

MW-5 (Formerly RW-2)

PARAMETER	Date of Sample Collection							VGES*
	1-24-96	5-2-96	7-23-96	10-2-96	5-2-97	8-21-97	12-3-97	
Benzene		4,250.0	14,500.0	13,200.0	7,520.0	4,120.0	4,070.0	5.0
Chlorobenzene	No	ND (50)	ND (500)	ND (500)	ND (500)	ND(200)	ND(200)	100.0
1,2-DCB	Sample	ND (50)	ND (500)	ND (500)	ND (500)	ND(200)	ND(200)	600.0
1,3-DCB		ND (50)	ND (500)	ND (500)	ND (500)	ND(200)	ND(200)	600.0
1,4-DCB	ground	ND (50)	ND (500)	ND (500)	ND (500)	ND(200)	ND(200)	75.0
Ethylbenzene	frozen	1,270.0	2,610.0	3,140.0	2,220.0	844.0	1,780.0	700.0
Toluene		10,900.0	32,600.0	37,200.0	30,700.0	14,900.0	23,200.0	1,000.0
Xylenes		10,600.0	14,600.0	16,300.0	12,500.0	5,030.0	10,200.0	10,000.0
Total BTEX		27,020.0	64,310.0	69,840.0	52,940.0	24,894.0	39,250.0	-
MTBE		3,910.0	32,400.0	30,400.0	ND (5000)	ND(2000)	ND(2000)	40
BTEX+MTBE		30,930.0	96,710.0	100,240.0	52,940.0	24,894.0	39,250.0	-

MW-6

PARAMETER	Date of Sample Collection							VGES*
	2-8-96	5-2-96	7-23-96	10-2-96	5-2-97	8-21-97	12-3-97	
Benzene	TBQ (1)	ND (1)	ND (1)	Not	Not	Not	Not	5.0
Chlorobenzene	ND (1)	ND (1)	ND (1)	Sampled	Sampled	Sampled	Sampled	100.0
1,2-DCB	ND (1)	ND (1)	ND (1)					600.0
1,3-DCB	ND (1)	ND (1)	ND (1)	dry	Not	Not	Not	600.0
1,4-DCB	ND (1)	ND (1)	ND (1)		Located	Located	Located	75.0
Ethylbenzene	2.4	ND (1)	ND (1)					700.0
Toluene	2.2	ND (1)	ND (1)					1,000.0
Xylenes	ND (1)	ND (1)	ND (1)					10,000.0
Total BTEX	4.6	ND	ND					-
MTBE	ND (10)	ND (10)	ND (10)					40
BTEX+MTBE	4.6	ND	ND					-

All values reported in ug/L (ppb)

Detections are **Bold**

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Table 3. Groundwater Quality Summary, Weathersfield Town Garage, Weathersfield, VT. (cont'd)

MW-7

PARAMETER	Date of Sample Collection							VGES*
	2-8-96	5-2-96	7-23-96	10-2-96	5-2-97	8-21-97	12-3-97	
Benzene	ND (1)		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	5.0
Chlorobenzene	ND (1)	No	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	100.0
1,2-DCB	ND (1)	Sample	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	600.0
1,3-DCB	ND (1)		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	600.0
1,4-DCB	ND (1)	Well was	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	75.0
Ethylbenzene	ND (1)	submerged	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	700.0
Toluene	ND (1)		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1,000.0
Xylenes	ND (1)		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	10,000.0
Total BTEX	ND (1)		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-
MTBE	ND (10)		ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	40
BTEX + MTBE	ND (10)		ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	-

MW-8

PARAMETER	Date of Sample Collection							VGES*
	12-3-97							
Benzene	2.4							5.0
Chlorobenzene	ND (1)							100.0
1,2-DCB	ND (1)							600.0
1,3-DCB	ND (1)							600.0
1,4-DCB	ND (1)							75.0
Ethylbenzene	ND (1)							700.0
Toluene	5.5							1,000.0
Xylenes	2.6							10,000.0
Total BTEX	10.5							-
MTBE	59.8							40
BTEX + MTBE	70.3							-

All values reported in ug/L (ppb)

Detections are **Bold**

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Table 3. Groundwater Quality Summary, Weathersfield Town Garage, Weathersfield, VT. (cont'd)

MW-9

PARAMETER	Date of Sample Collection							VGES*
	12-3-97							
Benzene	ND (1)							5.0
Chlorobenzene	ND (1)							100.0
1,2-DCB	ND (1)							600.0
1,3-DCB	ND (1)							600.0
1,4-DCB	ND (1)							75.0
Ethylbenzene	ND (1)							700.0
Toluene	ND (1)							1,000.0
Xylenes	ND (1)							10,000.0
Total BTEX	ND (1)							-
MTBE	ND (10)							40
BTEX + MTBE	ND (10)							-

MW-10

PARAMETER	Date of Sample Collection							VGES*
	12-3-97							
Benzene	ND (1)							5.0
Chlorobenzene	ND (1)							100.0
1,2-DCB	ND (1)							600.0
1,3-DCB	ND (1)							600.0
1,4-DCB	ND (1)							75.0
Ethylbenzene	ND (1)							700.0
Toluene	ND (1)							1,000.0
Xylenes	ND (1)							10,000.0
Total BTEX	ND (1)							-
MTBE	ND (10)							40
BTEX + MTBE	ND (10)							-

All values reported in ug/L (ppb)

Detections are **Bold**

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Table 4. Supply Well Water Quality Summary, Weathersfield Town Garage, Weathersfield, VT.

Garage Supply Well (Sink)

PARAMETER	Date of Sample Collection 6-28-95	9-7-95	10-13-95	11-17-95	12-20-95	1-24-96	2-22-96	3-20-96	5-2-96	7-23-96	VGES*
Benzene	ND	**40.6**	**5.3**	**11.4**	**TBQ (1)**	ND(1)	ND(1)	ND(1)	**2.1**	**41.1**	5
Chlorobenzene	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(10)	100
1,2-DCB	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(10)	600
1,3-DCB	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(10)	600
1,4-DCB	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(10)	75
Ethylbenzene	ND	**29.6**	**10.7**	**26.8**	**8.8**	ND(1)	**TBQ (1)**	**2.4**	**4.1**	**159.0**	700
Toluene	ND	**218.0**	**55.3**	**145.0**	**40.0**	**2.0**	**3.0**	**2.9**	**13.8**	**807.0**	1000
Xylenes	ND	**152.0**	**56.4**	**131.0**	**41.9**	**1.0**	**1.3**	**1.5**	**14.9**	**902.0**	10000
Total BTEX	ND	**440.2**	**127.7**	**314.2**	**90.7**	**3.0**	**4.3**	**6.8**	**34.9**	**1,909.1**	-
MTBE	ND	**25.6**	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(100)	40
BTEX+MTBE	ND	**465.8**	**127.7**	**314.2**	**90.7**	**3.0**	**4.3**	**6.8**	**34.9**	**1,909.1**	-

PARAMETER	Date of Sample Collection 10-2-96	5-14-97		Pre-Tank 5-14-97	Post-Tank 5-14-97	8-21-97	10-27-97	12-3-97			VGES*
Benzene	**11.7**	ND(1)		ND(1)	ND(1)	ND(1)	Not	Not			5
Chlorobenzene	ND(10)	ND(10)		ND(1)	ND(1)	ND(1)	Sampled	Sampled			100
1,2-DCB	ND(10)	ND(10)		ND(1)	ND(1)	ND(1)					600
1,3-DCB	ND(10)	ND(10)		ND(1)	ND(1)	ND(1)					600
1,4-DCB	ND(10)	ND(10)		ND(1)	ND(1)	ND(1)					75
Ethylbenzene	**52.4**	**1.9**		**2.2**	**1.9**	ND(1)					700
Toluene	**152.0**	**4.1**		**4.3**	**3.9**	ND(1)					1000
Xylenes	**289.0**	**10.7**		**12.1**	**10.6**	ND(1)					10000
Total BTEX	**505.1**	**16.7**		**18.6**	**16.4**	ND(1)					-
MTBE	ND(100)	ND(100)		ND(10)	ND(10)	ND(10)					40
BTEX+MTBE	**505.1**	**16.7**		**18.6**	**16.4**	ND(10)					-

All values reported in ug/L (ppb)

Detections are **Bold**

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Table 4. Supply Well Water Quality Summary, Weathersfield Town Garage, Weathersfield, VT. (cont'd)

Garage Supply Well at Well Casing (Culvert)

PARAMETER	Date of Sample Collection										VGES*
	10-13-95	11-17-95	12-20-95	1-24-96	2-22-96	3-20-96	5-2-96	7-23-96	10-2-96	5-2-97	
Benzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Not	5
Chlorobenzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Sampled	100
1,2-DCB	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		600
1,3-DCB	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		600
1,4-DCB	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		75
Ethylbenzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		700
Toluene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		1000
Xylenes	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		10000
Total BTEX	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		-
MTBE	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)		40
BTEX+MTBE	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)		-

PARAMETER	Date of Sample Collection										VGES*
	8-21-97	10-27-97	12-3-97								
Benzene	ND(1)	Not	ND(1)								5
Chlorobenzene	ND(1)	Sampled	ND(1)								100
1,2-DCB	ND(1)		ND(1)								600
1,3-DCB	ND(1)		ND(1)								600
1,4-DCB	ND(1)		ND(1)								75
Ethylbenzene	ND(1)		ND(1)								700
Toluene	ND(1)		ND(1)								1000
Xylenes	ND(1)		ND(1)								10000
Total BTEX	ND(1)		ND(1)								-
MTBE	ND(10)		ND(10)								40
BTEX+MTBE	ND(10)		ND(10)								-

All values reported in ug/L (ppb)

Detections are Bold

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Table 4. Supply Well Water Quality Summary, Weathersfield Town Garage, Weathersfield, VT. (cont'd)

Adams Abandoned Well

PARAMETER	Date of Sample Collection										VGES*
	7-7-95	9-7-95	10-13-95	11-17-95	12-20-95	1-24-96	2-22-96	3-20-96	5-2-96	7-23-96	
Benzene	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	5
Chlorobenzene	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	not	ND(1)	100
1,2-DCB	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	collected	ND(1)	600
1,3-DCB	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	600
1,4-DCB	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	75
Ethylbenzene	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	700
Toluene	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	1000
Xylenes	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	10000
Total BTEX	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND	-
MTBE	ND	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)		ND(10)	40
BTEX+MTBE	ND	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)		ND(10)	-

PARAMETER	Date of Sample Collection										VGES*
	10-2-96	5-2-97	8-21-97	10-2-97	10-27-97	12-3-97					
Benzene	ND(1)	ND(1)	ND(1)	ND(1)	Not	ND(1)					5
Chlorobenzene	ND(1)	ND(1)	ND(1)	ND(1)	Sampled	ND(1)					100
1,2-DCB	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)					600
1,3-DCB	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)					600
1,4-DCB	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)					75
Ethylbenzene	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)					700
Toluene	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)					1000
Xylenes	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)					10000
Total BTEX	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)					-
MTBE	ND(10)	ND(10)	ND(10)	ND(10)		ND(10)					40
BTEX+MTBE	ND(10)	ND(10)	ND(10)	ND(10)		ND(10)					-

All values reported in ug/L (ppb)

Detections are **Bold**

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Table 4. Supply Well Water Quality Summary, Weathersfield Town Garage, Weathersfield, VT. (cont'd)

Adams Supply Well

PARAMETER	Date of Sample Collection										VGES*
	10-13-95	11-17-95	12-20-95	1-24-96	2-22-96	3-20-96	5-2-96	7-23-96	10-2-96	5-2-97	
Benzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	ND(1)	ND(1)	5
Chlorobenzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	not	ND(1)	ND(1)	ND(1)	100
1,2-DCB	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	collected	ND(1)	ND(1)	ND(1)	600
1,3-DCB	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	ND(1)	ND(1)	600
1,4-DCB	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	ND(1)	ND(1)	75
Ethylbenzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	ND(1)	ND(1)	700
Toluene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	ND(1)	ND(1)	1000
Xylenes	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	ND(1)	ND(1)	10000
Total BTEX	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	ND(1)	ND(1)	-
MTBE	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)		ND(10)	ND(10)	ND(10)	40
BTEX+MTBE	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)		ND(10)	ND(10)	ND(10)	-

PARAMETER	Date of Sample Collection										VGES*
	8-21-97	10-27-97	12-3-97								
Benzene	ND(1)	ND(1)	ND(1)								5
Chlorobenzene	ND(1)	ND(1)	ND(1)								100
1,2-DCB	ND(1)	ND(1)	ND(1)								600
1,3-DCB	ND(1)	ND(1)	ND(1)								600
1,4-DCB	ND(1)	ND(1)	ND(1)								75
Ethylbenzene	ND(1)	ND(1)	ND(1)								700
Toluene	ND(1)	ND(1)	ND(1)								1000
Xylenes	ND(1)	ND(1)	ND(1)								10000
Total BTEX	ND(1)	ND(1)	ND(1)								-
MTBE	ND(10)	ND(10)	ND(10)								40
BTEX+MTBE	ND(10)	ND(10)	ND(10)								-

All values reported in ug/L (ppb)

Detections are **Bold**

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Table 4. Supply Well Water Quality Summary, Weathersfield Town Garage, Weathersfield, VT. (cont'd)

Beliveau Spring Well, Influent

PARAMETER	Date of Sample Collection 7-6-95	9-7-95	10-13-95	11-17-95	12-20-95	1-24-96	2-22-96	3-20-96	5-2-96	7-23-96	VGES*
Benzene	ND	ND(1)	ND(1)	ND(1)			ND(1)				5
Chlorobenzene	ND	ND(1)	ND(1)	ND(1)	not	not	ND(1)	not	not	not	100
1,2-DCB	ND	ND(1)	ND(1)	ND(1)	collected	collected	ND(1)	collected	collected	collected	600
1,3-DCB	ND	ND(1)	ND(1)	ND(1)	(no access)	(no access)	ND(1)	(no access)	(no access)	(no access)	600
1,4-DCB	ND	ND(1)	ND(1)	ND(1)			ND(1)				75
Ethylbenzene	ND	ND(1)	ND(1)	ND(1)			ND(1)				700
Toluene	ND	ND(1)	ND(1)	ND(1)			ND(1)				1000
Xylenes	ND	ND(1)	ND(1)	ND(1)			ND(1)				10000
Total BTEX	ND	ND(1)	ND(1)	ND(1)			ND(1)				-
MTBE	ND	ND(10)	ND(10)	ND(10)			ND(10)				40
BTEX+MTBE	ND	ND(10)	ND(10)	ND(10)			ND(10)				-

PARAMETER	Date of Sample Collection 10-2-96	5-2-97	8-21-97	BST* 10-2-97	BSDS* 10-2-97	BSUS* µg/kg 10-2-97	10-27-97	12-3-97			VGES*
Benzene			ND(5)	ND(2)	ND(1)	ND(10)	ND(1)	ND(1)			5
Chlorobenzene	not	not	ND(5)	ND(2)	ND(1)	ND(10)	ND(1)	ND(1)			100
1,2-DCB	collected	collected	ND(5)	ND(2)	ND(1)	ND(10)	ND(1)	ND(1)			600
1,3-DCB	(no access)	(no access)	ND(5)	ND(2)	ND(1)	ND(10)	ND(1)	ND(1)			600
1,4-DCB			ND(5)	ND(2)	ND(1)	ND(10)	ND(1)	ND(1)			75
Ethylbenzene			ND(5)	ND(2)	ND(1)	ND(10)	ND(1)	ND(1)			700
Toluene			ND(5)	ND(2)	ND(1)	ND(10)	ND(1)	ND(1)			1000
Xylenes			ND(5)	ND(2)	ND(1)	ND(10)	ND(1)	ND(1)			10000
Total BTEX			ND(5)	ND(2)	ND(1)	ND(10)	ND(1)	ND(1)			-
MTBE			220.0	145.0	104.0	ND(20)	101.0	38.0			40
BTEX+MTBE			220.0	145.0	104.0	ND(20)	101.0	38.0			-

All values reported in ug/L (ppb)

Detections are **Bold**

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* BST = Beliveau Spring Tile
  BSDS = Beliveau Spring, Downstream
  BSUS = Beliveau Spring, Upstream

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Table 4. Supply Well Water Quality Summary, Weathersfield Town Garage, Weathersfield, VT. (cont'd)

Beliveau Spring Well, Mid

PARAMETER	Date of Sample Collection										VGES*
	10-27-97	12-3-97									
Benzene	ND(1)	ND(1)									5
Chlorobenzene	ND(1)	ND(1)									100
1,2-DCB	ND(1)	ND(1)									600
1,3-DCB	ND(1)	ND(1)									600
1,4-DCB	ND(1)	ND(1)									75
Ethylbenzene	ND(1)	ND(1)									700
Toluene	ND(1)	ND(1)									1000
Xylenes	ND(1)	ND(1)									10000
Total BTEX	ND(1)	ND(1)									-
MTBE	ND(10)	ND(10)									40
BTEX+MTBE	ND(10)	ND(10)									-

Beliveau Spring Well, Effluent

PARAMETER	Date of Sample Collection										VGES*
	10-27-97	12-3-97									
Benzene	ND(1)	ND(1)									5
Chlorobenzene	ND(1)	ND(1)									100
1,2-DCB	ND(1)	ND(1)									600
1,3-DCB	ND(1)	ND(1)									600
1,4-DCB	ND(1)	ND(1)									75
Ethylbenzene	ND(1)	ND(1)									700
Toluene	ND(1)	ND(1)									1000
Xylenes	ND(1)	ND(1)									10000
Total BTEX	ND(1)	ND(1)									-
MTBE	ND(10)	ND(10)									40
BTEX+MTBE	ND(10)	ND(10)									-

All values reported in ug/L (ppb)

Detections are Bold

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

Table 4. Supply Well Water Quality Summary, Weathersfield Town Garage, Weathersfield, VT. (cont'd)

Balargeon

PARAMETER	Date of Sample Collection										VGES*
	10-27-97	12-3-97									
Benzene	ND(1)	ND(1)									5
Chlorobenzene	ND(1)	ND(1)									100
1,2-DCB	ND(1)	ND(1)									600
1,3-DCB	ND(1)	ND(1)									600
1,4-DCB	ND(1)	ND(1)									75
Ethylbenzene	ND(1)	ND(1)									700
Toluene	ND(1)	ND(1)									1000
Xylenes	ND(1)	ND(1)									10000
Total BTEX	ND(1)	ND(1)									-
MTBE	ND(10)	ND(10)									40
BTEX+MTBE	ND(10)	ND(10)									-

All values reported in ug/L (ppb)

Detections are **Bold**

VGES - Vermont Groundwater Enforcement Standard, Source VT Groundwater Protection Rule and Strategy, 11/15/97

Values greater than the applicable VGES are shaded

NA - Not Analyzed

ND(1000) - Not Detected (Detection Limit)

TBQ(1) - Trace Below Quantitation Limit (Detection Limit)

* These groundwater standards were effective November 15, 1997. Shading of petroleum constituent concentrations obtained before this date is indicative of concentrations that exceeded the applicable groundwater standard in use at the time.

APPENDIX D

GROUNDWATER SAMPLING DATA
DECEMBER 3, 1997

SUPPLY WELL SAMPLING DATA
OCTOBER 27, 1997
DECEMBER 3, 1997

ENDYNE, INC.

Laboratory Services

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

6954708

REPORT OF LABORATORY ANALYSIS

CLIENT: Griffin International
PROJECT NAME: Weathersfield Town Garage
REPORT DATE: December 11, 1997
DATE SAMPLED: December 3, 1997

PROJECT CODE: GIWE1638
REF.#: 114,163 - 114,174

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 was 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

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Weathersfield Town Garage
CLIENT PROJ. #: 6954708

DATE RECEIVED: December 4, 1997
REPORT DATE: December 11, 1997
PROJECT CODE: GIWE1638

Ref. #:	114,163	114,164	114,165	114,166	114,167
Site:	Trip Blank	Garage Sup. Culv.	MW-7	MW-9	MW-3
Date Sampled:	12/3/97	12/3/97	12/3/97	12/3/97	12/3/97
Time Sampled:	7:03	12:01	12:26	13:07	14:01
Sampler:	T. Kelly	T. Kelly	T. Kelly	T. Kelly	T. Kelly
Date Analyzed:	12/10/97	12/10/97	12/10/97	12/10/97	12/10/97
UIP Count:	0	0	0	0	4
Dil. Factor (%):	100	100	100	100	0.5
Surr % Rec. (%):	91	90	90	95	94
Parameter	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)
Benzene	<1	<1	<1	<1	935.
Chlorobenzene	<1	<1	<1	<1	<200
1,2-Dichlorobenzene	<1	<1	<1	<1	<200
1,3-Dichlorobenzene	<1	<1	<1	<1	<200
1,4-Dichlorobenzene	<1	<1	<1	<1	<200
Ethylbenzene	<1	<1	<1	<1	553.
Toluene	<1	<1	<1	<1	5,010.
Xylenes	<1	<1	<1	<1	7,860.
MTBE	<10	<10	<10	<10	4,320.

Ref. #:	114,168	114,169	114,170	114,171	114,172
Site:	MW-4	MW-5	MW-2	MW-1	MW-8
Date Sampled:	12/3/97	12/3/97	12/3/97	12/3/97	12/3/97
Time Sampled:	14:21	15:00	15:32	15:45	16:00
Sampler:	T. Kelly	T. Kelly	T. Kelly	T. Kelly	T. Kelly
Date Analyzed:	12/11/97	12/10/97	12/10/97	12/10/97	12/10/97
UIP Count:	>10	4	4	0	0
Dil. Factor (%):	20	0.5	0.5	100	100
Surr % Rec. (%):	101	98	89	89	92
Parameter	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)
Benzene	<5	4,070.	2,520.	<1	2.4
Chlorobenzene	<5	<200	<200	<1	<1
1,2-Dichlorobenzene	<5	<200	<200	<1	<1
1,3-Dichlorobenzene	<5	<200	<200	<1	<1
1,4-Dichlorobenzene	<5	<200	<200	<1	<1
Ethylbenzene	15.0	1,780.	253.	<1	<1
Toluene	78.5	23,200.	5,260.	<1	5.5
Xylenes	891.	10,200.	2,960.	<1	2.6
MTBE	<50	<2000	3,930.	TBQ <10	59.8

Note: UIP = Unidentified Peaks TBQ = Trace Below Quantitation NI = Not Indicated

ENDYNE, INC.

Laboratory Services

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

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Weathersfield Town Garage
CLIENT PROJ. #: 6954708

DATE RECEIVED: December 4, 1997
REPORT DATE: December 11, 1997
PROJECT CODE: GIWE1638

Ref. #:	114,173	114,174			
Site:	MW-8 Duplicate	Adams Aban			
Date Sampled:	12/3/97	12/3/97			
Time Sampled:	16:00	16:26			
Sampler:	T. Kelly	T. Kelly			
Date Analyzed:	12/11/97	12/10/97			
UIP Count:	0	0			
Dil. Factor (%):	100	100			
Surr % Rec. (%):	93	90			
Parameter	Conc. (ug/L)	Conc. (ug/L)			
Benzene	2.0	<1			
Chlorobenzene	<1	<1			
1,2-Dichlorobenzene	<1	<1			
1,3-Dichlorobenzene	<1	<1			
1,4-Dichlorobenzene	<1	<1			
Ethylbenzene	<1	<1			
Toluene	3.8	<1			
Xylenes	2.0	<1			
MTBE	60.3	<10			

Note: UIP = Unidentified Peaks TBQ = Trace Below Quantitation NI = Not Indicated

ENDYNE, INC.

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

6954708

CHAIN-OF-CUSTODY RECORD

24070

Project Name: Weathersfield Town Garage Site Location: " , VT	Reporting Address: Griffin	Billing Address: Griffin
Endyne Project Number: GIWE7638	Company: Griffin Contact Name/Phone #: T. Kelly 865-4258	Sampler Name: Same Phone #:

Lab #	Sample Location	Matrix	GRAB	COMP	Date/Time 12-3-97	Sample Containers No.	Sample Containers Type/Size	Field Results/Remarks	Analysis Required	Sample Preservation	Rush
114163	Trip blank	Water	✓		0703	2	40ml		EPA 602	HCl	
114164	Garage Supply Culvert				1201						
114165	MW-7				1226						
114166	MW-9				1307						
114167	MW-3				1401						
114168	MW-4				1421						
114169	MW-5				1500						
114170	MW-2				1532						
114171	MW1				1545						
114172	MW-8				1600						
114173	MW-8 Dup				1600						
114174	Adams Aban				1620						

Relinquished by: Signature Timothy J Kelly	Received by: Signature [illegible]	Date/Time
Relinquished by: Signature [illegible]	Received by: Signature Jason Wadad	Date/Time 12/4/97 10:50 A.M.

New York State Project: Yes ___ No ✓

Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 B/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 8010/8020
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 Pest/PCB
4	Nitrite N	9	BOD_5	14	Turbidity	19	BTEX	24	EPA 608 Pest/PCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										

ENDYNE, INC.

Laboratory Services

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

REPORT OF LABORATORY ANALYSIS

6954208

CLIENT: Griffin International
PROJECT NAME: Weathersfield Town Garage
REPORT DATE: December 11, 1997
DATE SAMPLED: December 3, 1997

PROJECT CODE: GIWE1639
REF.#: 114,175 - 114,180

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 was 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
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EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Weathersfield Town Garage
CLIENT PROJ. #: 6954708

DATE RECEIVED: December 4, 1997
REPORT DATE: December 11, 1997
PROJECT CODE: GIWE1639

Ref. #:	114,175	114,176	114,177	114,178	114,179
Site:	Adams Supply	MW-10	Beliveau Out	Beliveau Mid	Beliveau In
Date Sampled:	12/3/97	12/3/97	12/3/97	12/3/97	12/3/97
Time Sampled:	16:35	17:00	17:08	17:11	17:15
Sampler:	T. Kelly	T. Kelly	T. Kelly	T. Kelly	T. Kelly
Date Analyzed:	12/10/97	12/9/97	12/11/97	12/10/97	12/10/97
UIP Count:	0	0	0	0	0
Dil. Factor (%):	100	100	100	100	100
Surr % Rec. (%):	90	99	103	90	92
Parameter	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)
Benzene	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1
Toluene	<1	<1	<1	<1	<1
Xylenes	<1	<1	<1	<1	<1
MTBE	<10	<10	<10	<10	38.0

Ref. #:	114,180				
Site:	Balangeon				
Date Sampled:	12/3/97				
Time Sampled:	17:25				
Sampler:	T. Kelly				
Date Analyzed:	12/10/97				
UIP Count:	0				
Dil. Factor (%):	100				
Surr % Rec. (%):	93				
Parameter	Conc. (ug/L)				
Benzene	<1				
Chlorobenzene	<1				
1,2-Dichlorobenzene	<1				
1,3-Dichlorobenzene	<1				
1,4-Dichlorobenzene	<1				
Ethylbenzene	<1				
Toluene	<1				
Xylenes	<1				
MTBE	<10				

Note: UIP = Unidentified Peaks TBQ = Trace Below Quantitation NI = Not Indicated

ENDYNE, INC.

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

6954708

CHAIN-OF-CUSTODY RECORD

24071

Project Name: Weathersfield Town Garage Site Location: Weathers field, VT	Reporting Address: Griffin	Billing Address: Griffin
Endyne Project Number: GIWE1639	Company: Griffin Contact Name/Phone #: T. Kelly 865-4288	Sampler Name: SAME Phone #:

Lab #	Sample Location	Matrix	GRAB	COMP	Date/Time 12-3-97	Sample Containers No.	Sample Containers Type/Size	Field Results/Remarks	Analysis Required	Sample Preservation	Rush
114175	Adams Supply	water	✓		1635	2	40ml		EPA 602	HCl	
114176	MW 10	↓	↓		1700	↓	↓		↓	↓	
114177	Belrivea Out				1708						
114178	Belrivea Mid				1711						
114179	Belrivea In				1715						
114180	Balangeon				1725						

Relinquished by: Signature [signature]	Received by: Signature [signature]	Date/Time
Relinquished by: Signature [signature]	Received by: Signature Gaso Woodard	Date/Time 12/4/97 10:50 A.M.

New York State Project: Yes ___ No ✓

Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 B/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 3010/8020
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 Pest/PCB
4	Nitrite N	9	BOD_5	14	Turbidity	19	BTEX	24	EPA 608 Pest/PCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										

6954708

ENDYNE, INC.

Laboratory Services

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

REPORT OF LABORATORY ANALYSIS

CLIENT: Griffin International
PROJECT NAME: Weathersfield Town Garage
REPORT DATE: November 3, 1997
DATE SAMPLED: October 27, 1997

PROJECT CODE: GIWT1090
REF.#: 112,228 - 112,232

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 was 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

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ENDYNE, INC.

Laboratory Services

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EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Weathersfield Town Garage
CLIENT PROJ. #: NI

DATE RECEIVED: October 28, 1997
REPORT DATE: November 3, 1997
PROJECT CODE: GIWT1090

Ref. #:	112,228	112,229	112,230	112,231	112,232
Site:	Balargeon	Beliveau Out	Beliveau Mid	Beliveau In	Adams Supply
Date Sampled:	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97
Time Sampled:	17:13	17:35	17:42	17:45	18:30
Sampler:	T. Kelly	T. Kelly	T. Kelly	T. Kelly	T. Kelly
Date Analyzed:	10/31/97	10/31/97	10/31/97	10/31/97	10/31/97
UIP Count:	0	0	0	0	0
Dil. Factor (%):	100	100	100	100	100
Surr % Rec. (%):	88	88	88	90	91
Parameter	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)
Benzene	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1
Toluene	<1	<1	<1	<1	<1
Xylenes	<1	<1	<1	<1	<1
MTBE	<10	<10	<10	101.	<10

Note: UIP = Unidentified Peaks TBQ = Trace Below Quantitation NI = Not Indicated

ENDYNE, INC.

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

CHAIN-OF-CUSTODY RECORD

24024

Project Name: Weathersfield Town Garage
Site Location: Weathersfield VT
Endyne Project Number: GJWT1090

Reporting Address: Griffin
Company: Griffin
Contact Name/Phone #: 865-4288

Billing Address: Griffin
Sampler Name: Tim Kelly
Phone #:

Lab #	Sample Location	Matrix	GRAB	COMP	Date/Time 10-27-97	Sample Containers No.	Sample Containers Type/Size	Field Results/Remarks	Analysis Required	Sample Preservation	Rush
112,228	Balogeon	water	X		1713	2	40ml		602	HCl	
112,229	Belivean out				1735						
112,230	Belivean mid				1742						
112,231	Belivean In				1745						
112,232	Adams Supply				1830						

Relinquished by: Signature Timothy J Kelly
Received by: Signature Amy K. Cola
Date/Time

Relinquished by: Signature Amy K. Cola
Received by: Signature Tonia M. Chambers
Date/Time 10-28-97 10:35

New York State Project: Yes ___ No ✓

Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 B/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 8010/8020
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 Pest/PCB
4	Nitrite N	9	BOD_5	14	Turbidity	19	BTEX	24	EPA 608 Pest/PCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										