99 MAY 27 10 33 AM '99

Supplemental Investigation Report
196 Randbury Road
(Formerly 7 Randbury Road)
Rutland, Vermont

Prepared for:
Consolidated Freightways
175 Linfield Drive
Menlo Park, CA 94026

Prepared by:
QST Environmental Inc.
Nashua, New Hampshire

May 1999

QST Project No. 7298077.0400

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1.0 Introduction

On behalf of Consolidated Freightways (CF), QST Environmental (QST) has prepared this report to describe supplemental site investigation activities conducted at the Consolidated Freightways facility located at 196 Randbury Road (formerly identified as 7 Randbury Road) in Rutland, Vermont (Site) between December 1998 and March 9, 1999. The location of the Site is shown on Figure 1. These activities followed QST's recommendations provided in the June 1998 report entitled "Site Investigation and Corrective Action Feasibility Investigation Reports," which were approved in a September 9, 1998 letter from Richard Spiese of the Vermont Department of Environmental Conservation (VTDEC) to Lindi Higgins of QST. This report describes the activities performed, presents the results, and provides additional recommendations.

2.0 Supplemental Site Investigation

The supplemental investigative activities included abandoning a monitoring well, installing a replacement monitoring well, surveying the new well, measuring water-level elevations from on-Site monitoring wells, collecting and analyzing groundwater samples from five monitoring wells and two water supply wells, and investigating a floor drain. A summary of these activities is described below.

2.1 Monitoring Well Abandonment and Installation

On December 23, 1998, under the direction of QST, Environmental Drilling Inc. of Sterling, Massachusetts abandoned a monitoring well and installed a replacement monitoring well (MW-5) south of the southeastern corner of the Site terminal building (see Figure 2), in the vicinity of the former gasoline underground storage tanks (USTs). The abandoned well, consisting of 6-inch diameter PVC casing to a depth of approximately 7 feet below grade, had been damaged. The well was abandoned by cutting the PVC to sub-grade level and filling the well with grout and bentonite chips.

A new monitoring well, identified as MW-5, was installed approximately nine feet south of the abandoned well at the location shown on Figure 2. The well was drilled using hollow-stem augers, and soil samples were collected on a continuous basis using a two-inch diameter split-spoon sampling device. The soil samples were monitored for organic vapors using a photoionization detector (PID) and lithologic descriptions were prepared. Monitoring well MW-5 was constructed with 10 feet of 2-inch diameter 20-slot PVC screen, set from 0.8 to 10.8 feet below grade, and 0.8 feet of PVC riser pipe. The annular space was backfilled with gravel and sealed at the surface with bentonite chips. Following installation, the well was developed and equipped with a locking cap and flush-mount road box. No free product was observed and no organic vapors were detected in soil or groundwater during drilling or well development. The elevation of Monitoring Well MW-5 was surveyed by QST

relative to the other existing on-Site monitoring wells. A boring/well construction log is provided in Appendix A.

2.2 Water-Level Measurements, Groundwater Sampling and Analysis

On March 9, 1999, QST personnel collected water-level measurements and groundwater quality samples from the five monitoring wells identified as MW-1 through MW-5, as shown on Figure 2. The water-level measurements are presented in Table 1, in addition to water-level data from June 9, 1998.

Prior to collecting monitoring well groundwater samples, each well was purged of three times the volume of standing water in the well using a Teflon bailer. Field measurements were collected for pH, dissolved oxygen, specific conductance, temperature, and turbidity. Samples were collected for analysis of volatile organic compounds (VOC) and submitted to Eastern Analytical, Inc. of Concord, New Hampshire for analysis by EPA Method 8260B.

On March 9, 1999, groundwater samples were collected from two drinking water wells, identified as DW-1 and DW-2, also shown on Figure 2. DW-1 is located on the Site northeast of the building, and the sample was collected from the sink in the men's restroom after running the tap for five minutes. DW-2 is located on the property across Randbury Road from the Site, and the sample was collected from the utility sink in the back warehouse area of the Westminster Cracker building after running the tap for five minutes. The samples were submitted to Eastern Analytical for analysis of VOC by EPA Method 524.2 for drinking water.

2.3 Floor Drain Evaluation

QST personnel investigated the floor drain located in the garage to evaluate whether it is connected to the sewer system. QST attempted to conduct a dye test to determine if the floor drain was connected to the sewer line. However, the floor drain was plugged and water would not drain through the line. Attempts were made to insert a plumbing snake into the drain pipe, but the pipe was plugged approximately two feet from the drain and the snake could not be advanced. In addition, QST personnel reviewed state and local files for records pertaining to the floor drain installation and possible connection to the sanitary sewer. Records for both CF and the former owners were reviewed; however, no records pertaining to the drain were found. QST also contacted the company (Enman Engineering of Rutland) that installed the sewer line to the CF Facility in 1992, however, no records pertaining to the floor drain were found.

3.0 Findings

3.1 Geology and Hydrogeology

Information relative to the local geology and hydrogeology was collected during the well installation (MW-5) and groundwater monitoring programs and is based on interpretation of the soil samples collected from the split-spoon samples and associated groundwater conditions. An evaluation of the depth to bedrock and depth to water-bearing zones was conducted through analysis of records for water supply wells situated in the vicinity of the site.

The lithology of the soils encountered during the drilling of monitoring well MW-5 is consistent with the existing wells: medium to coarse sands are present to a depth of approximately nine feet, and finer sand with silt and clay was encountered between nine and 12 feet below grade. The surficial geology in the vicinity of Rutland reportedly consists of till deposits overlain by lake and river deposits (silts and clays) which may extend up to 185 feet in thickness in some locations (Stewart, 1972).

QST attempted to obtain well construction information for the two drinking water wells that were sampled from VTDEC Water Supply Division records and from property owner records. No information was available concerning DW-1. Mr. Steve Wilk, the owner of the property across Randbury Road from the Site, believes that DW-2 is set at approximately 150 or 160 feet below grade. Records of private water supply wells maintained by the VTDEC Water Supply Division did not contain information pertaining to the Wilk property well; however, records were available for the water supply wells located at Suburban Propane situated approximately 300 feet southwest of the Site and Todd Transportation situated approximately 300 feet west of the Site (see Figure 3A). The Suburban Propane well is reported to be 203 feet in total depth with bedrock at 166 feet, and the well is reported to yield 10 gallons per minute (gpm). The Todd Transportation well is reported to be 365 feet in total depth with bedrock at 130 feet and an estimated yield of 2 gpm. Base on these records, it is likely that DW-2 is also set in bedrock.

The water table measurements collected on March 9, 1999 represent the first complete round in which monitoring well MW-5 was included. Depths to water ranged from 2.01 feet to 3.01 feet below the ground surface (see Table 1). As depicted on Figure 3, water-table elevations indicate a relatively flat gradient (the elevations range within 0.25 feet) with the direction of shallow groundwater flow in the vicinity of monitoring wells MW-2 and MW-3 toward the south-southwest, and in the vicinity of monitoring well MW-5 to the west. A westerly component of groundwater flow at the Site became evident following the installation of monitoring well MW-5.

3.2 Groundwater Quality

During the March 9, 1999 sampling event, no free product was observed in any of the wells sampled, and no VOC were detected by the laboratory in samples collected from monitoring wells MW-3 and MW-4. The only compound detected in monitoring wells MW-2 and MW-5 was methyl-tert-butyl-ether (MTBE) at 1 microgram per liter (ug/L) in both wells. Twelve compounds were detected in monitoring well MW-1, with a total VOC concentration of 68 ug/L. The sample from monitoring well MW-1 had 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene at concentrations of 17 ug/L and 10 ug/L respectively which are above the VTDEC Primary Groundwater Quality Standard (PGWQS) Enforcement Level of 5 ug/L and 4 ug/L respectively. Naphthalene and benzene were detected at 18 ug/L and 2 ug/L respectively, which are below the PGWQS Enforcement Levels of 20 ug/L and 5.0 ug/L and above the PGWQS Preventative Action Level (PAL) of 10 ug/L and 0.5 ug/L respectively. Table 2 summarizes the VOC results of the May 8, 1998 and the March 9, 1999 sampling events. Comparing the two data sets, the total VOC in monitoring well MW-1 decreased from 319 ug/L in May 1998 to 68 ug/L in March 1999, and decreased from 40 ug/L to 1 ug/L in monitoring well MW-2. Table 3 summarizes the field measurements taken from the monitoring samples.

Table 4 summarizes the analytical results of the two drinking water well samples. MTBE was detected in both samples at concentrations below the PGWQS Enforcement Level of 40 ug/L and the PGWQS PAL of 20 ug/L: 5.7 ug/L from the Site well, DW-1 and 1.9 ug/L from well DW-2. Tetrachloroethene was detected at 0.9 ug/L in well DW-2, which is below the PGWQS Enforcement Level of 5.0 ug/L, but exceeds the PGWQS PAL of 0.5 ug/L.

Figure 4 shows the distribution in groundwater of the four compounds that were detected above a PGWQS. The laboratory reports for the groundwater samples are included as Appendix B.

4.0 Summary and Recommendations

The findings of the December 1998 through March 1999 investigation activities are summarized below.

- The additional information provided by monitoring well MW-5 indicates a component of the horizontal direction of shallow groundwater flow to the northwest, with an apparent localized southerly component in the vicinity of monitoring wells MW-2 and MW-3.

- Monitoring well MW-1 is the only well in which VOC were detected above an PGWQS Enforcement Level. Concentrations of total VOCs in monitoring well MW-1 decreased from 319 ug/L in May 1998 to 68 ug/L in March 1999.

- The detection of tetrachloroethene at 0.9 ug/L in water supply well DW-2 is below the PGWQS enforcement level of 5.0 and slightly above the PGWQS PAL of 0.5 ug/L. Tetrachloroethene has not been detected in any groundwater, drinking water, or soil samples collected from the Site. Information collected to date indicates that DW-2 is a bedrock well. Tetrachloroethene is not commonly associated with petroleum fuels.

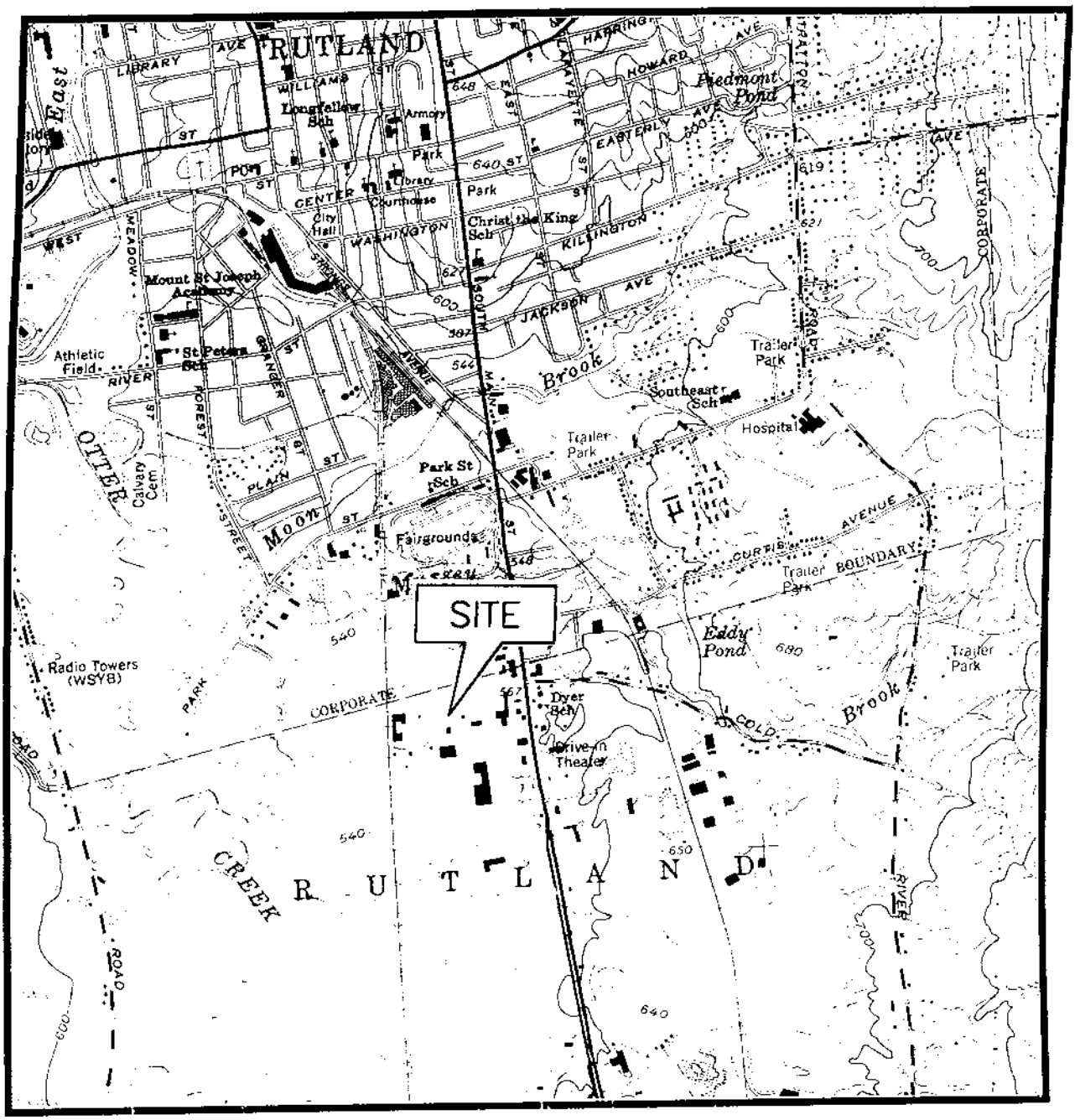
Based on the groundwater elevation and groundwater quality data collected during December 1998 through March 1999, QST recommends the following:

- Conduct an annual groundwater monitoring program which consists of collecting groundwater elevation measurements in the site monitoring wells and the collection and analysis of groundwater samples. The monitoring program shall be conducted in the spring and fall and groundwater samples will be analyzed for VOCs by EPA Method 8260B.

- Evaluate options for sealing the floor drain or cleaning and registering the existing floor drain in accordance with state regulations (Underground Injection Control Program).

- Install four to five shallow piezometers by hand in the soil along the western and northern property boundaries to further investigate the groundwater flow direction across the site. The piezometers would be installed in conjunction with the first groundwater sampling event to reduce overall project costs.

- If the piezometers indicate that groundwater flows west or northwest from MW-1 toward the Maynard Auto Supply property, QST also recommends collecting a drinking water sample from the Maynard Auto Supply drinking water well located west of the Site and analyze using EPA Method 524.2.



SOURCE: RUTLAND, VERMONT QUADRANGLE, U.S.G.S. TOPOGRAPHIC MAP, 7.5 MINUTE SERIES, 1961, PHOTOREVISED 1988.

N

1:24000

0 ½ 1

SCALE IN MILES

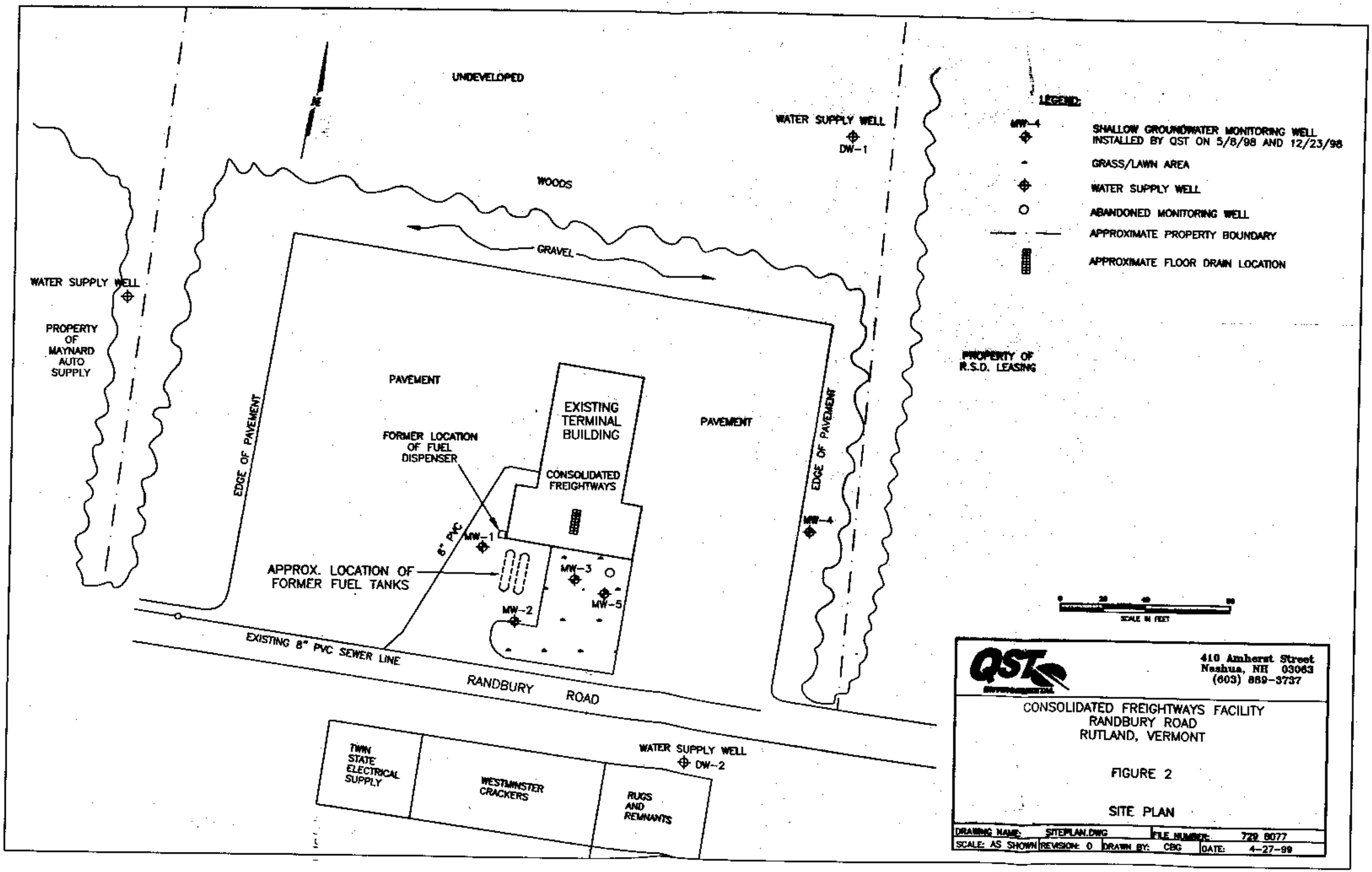
QST ENVIRONMENTAL
410 Amherst Street
Nashua, NH 03063
(603) 889-3737

CONSOLIDATED FREIGHTWAYS FACILITY
RANDBURY ROAD
RUTLAND, VERMONT

FIGURE 1

SITE LOCATION MAP

DRAWING NAME: VT_LOC.DWG		FILE NUMBER:	719 7843
SCALE: AS SHOWN	REVISION: 0	DRAWN BY: CBG	DATE: 4-10-98



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RANDBURY ROAD
RUTLAND, VERMONT

FIGURE 2

SITE PLAN

DRAWING NAME: SITEPLAN.DWG		FILE NUMBER:	729 8077
SCALE: AS SHOWN	REVISION: 0	DRAWN BY: CBG	DATE: 4-27-99

CITY OF RUTLAND

TOWN OF RUTLAND

1
6.87 A
Smith, S.A., Trustee

4
3.75 A
Consolidated Freightways Corp.

5
4.67 A
Daniels, R.S.

6
2.9 A
Lyrich Properties

8
0.99 A
The Bullrock Corp.

7
1.32 A
Kinney Motors Ltd.

TODD TRANSPORTATION

2
2.0 A
Todd, P.W. & J.

MAYNARD AUTO SUPPLY

3
2.9 A
Angell's Automotive Service, Inc.

CONSOLIDATED FREIGHTWAYS

FORMER USTs

RSD LEASING

COMMERCIAL TIRE

KINNEY SUBARU

RANDBURY ROAD

SOUTH MAIN STREET (ROUTE 7)

1
2.2 A
Suburban Propane L.P.

SUBURBAN PROPANE

2.2
1.25 A
Punderson, F. & L.

VACANT LOT

2.1
0.57 A
Doering, R. & K.

Gazebo

Westminster Creclers

Twin State Electric

Rugs & Remnants

United Refrigeration

3
2.06 A
Wilk, S.J. & B.

4
5.63 A
Kinney Dev. Corp.

KINNEY MAZDA AUDI VW

19
Wall, K. Et Al

500 FOOT RADIUS FROM FORMER CFI USTs

17.2
23.38 A
Farrell Realty Partners

18
20.5 A
Chase Green Mountain, Ltd.

N

LEGEND:

WATER SUPPLY WELL

FORMER USTs

0 100 200
SCALE IN FEET

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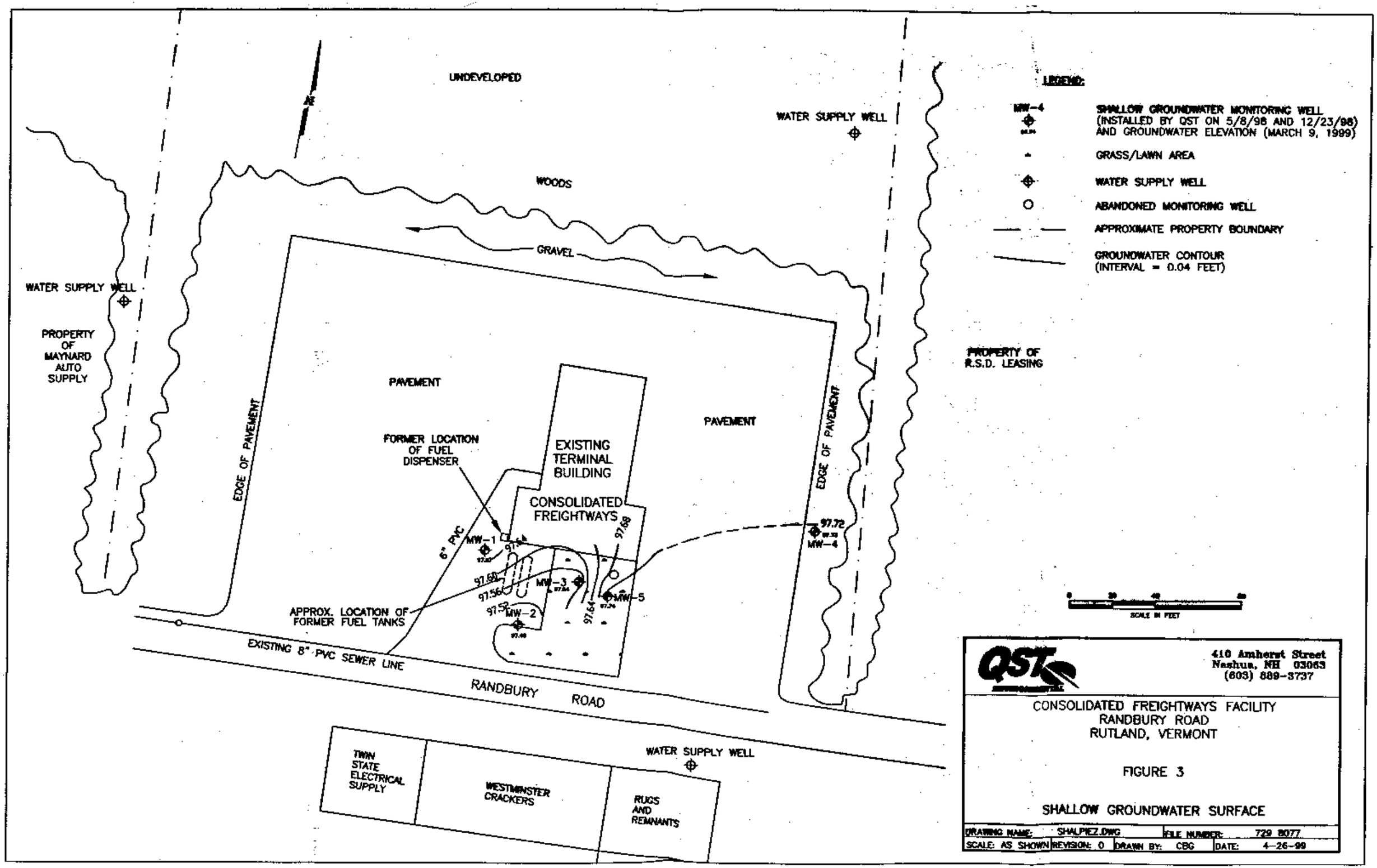
RUTLAND, VERMONT

FIGURE 3A

TAX MAP

DRAWING NAME: TAXMAP.DWG		FILE NUMBER:	729 8077
SCALE: 1"=104'	REVISION: 0	DRAWN BY: CBG	DATE: 6-22-98



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RANDBURY ROAD
RUTLAND, VERMONT

FIGURE 3

SHALLOW GROUNDWATER SURFACE

DRAWING NAME: SHALPIEZ.DWG		FILE NUMBER:	729 8077
SCALE: AS SHOWN	REVISION: 0	DRAWN BY: CBG	DATE: 4-26-99

UNDEVELOPED

WOODS

GRAVEL

WATER SUPPLY WELL

PROPERTY OF MAYNARD AUTO SUPPLY

EDGE OF PAVEMENT

PAVEMENT

FORMER LOCATION OF FUEL DISPENSER

EXISTING TERMINAL BUILDING

CONSOLIDATED FREIGHTWAYS

APPROX. LOCATION OF FORMER FUEL TANKS

6" PVC

EXISTING 8" PVC SEWER LINE

RANDBURY ROAD

PROPERTY OF R.S.D. LEASING

DW-1
<0.5
<0.5
<0.5
<0.5
5.7
<0.5

MW-1
2
17
10
18
2
<0.7

MW-2
<1.0
<1.0
<1.0
<1.0
1.0
<0.7

MW-3
<1.0
<1.0
<1.0
<1.0
<1.0
<0.7

MW-4
<1.0
<1.0
<1.0
<1.0
<1.0
<0.7

MW-5
<1.0
<1.0
<1.0
<1.0
1.0
<0.7

DW-2
<0.5
<0.5
<0.5
<0.5
1.9
0.9

TWIN STATE ELECTRICAL SUPPLY

WESTMINSTER CRACKERS

RUGS AND REMNANTS

WATER SUPPLY WELL

LEGEND:

- MW-4 — SHALLOW GROUNDWATER MONITORING WELL (INSTALLED BY QST ON 5/8/98 AND 12/23/98)
- GRASS/LAWN AREA
- WATER SUPPLY WELL
- ABANDONED MONITORING WELL
- APPROXIMATE PROPERTY BOUNDARY

MW-4
<1.0
<1.0
<1.0
<1.0
<1.0
<0.7

MONITORING WELL DESIGNATION
Benzene (ppb)
1,2,4-Trimethylbenzene (ppb)
1,3,5-Trimethylbenzene (ppb)
Naphthalene (ppb)
MTBE (ppb)
Tetrachloroethene (ppb)

NA — Not Analyzed

0 20 40 80
SCALE IN FEET

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RANDBURY ROAD
RUTLAND, VERMONT

FIGURE 4

GROUNDWATER CONCENTRATION MAP

DRAWING NAME: GW3-99.DWG		FILE NUMBER:	729 8077
SCALE: AS SHOWN	REVISION: 0	DRAWN BY: CBG	DATE: 4-26-99

TABLE 1
GROUNDWATER ELEVATION DATA
Consolidated Freightways
Rutland, Vermont

Well ID	Date	Total Depth	PVC Casing Elevation	Depth to Water (ft)	Groundwater Elevation (ft)
MW-1	06/09/98	12.10	100.0	3.14	96.86
	03/09/99	12.10	100.0	2.33	97.67
MW-2	06/09/98	11.95	100.18	3.52	96.66
	03/09/99	11.95	100.18	2.70	97.48
MW-3	06/09/98	11.36	100.55	3.88	96.67
	03/09/99	11.36	100.55	3.01	97.54
MW-4	06/09/98	12.10	99.74	2.80	96.94
	03/09/99	12.10	99.74	2.01	97.73
Old Well	06/09/98	7.35	100.71	3.98	96.74
	03/09/99	7.35	100.71	Abandoned 12/23/98	
MW-5	03/09/99	10.80	100.42	2.68	97.74

TABLE 2
GROUNDWATER ANALYTICAL DATA (VOC - METHOD 8260B)
CONSOLIDATED FREIGHTWAYS
Site Investigation
Rutland, Vermont

COMPOUND	MW-1		MW-2		MW-3		MW-4		MW-5	PGWQS	PGWQS
	05/08/98	03/09/99	05/08/98	03/09/99	05/08/98	03/09/99	05/08/98	03/09/99	03/09/99	Enforcement	Preventative Action
Benzene	<1.0	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.0	0.5
Bromobenzene	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	NS	NS
Bromochloromethane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	90	9.0
Bromoform	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	4.0	0.5
Bromomethane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	10	1.0
Carbon Tetrachloride	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	5.0	0.5
Chlorobenzene	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	100	50
Chloroethane	<1.0	<5.0	<1.0	<5.0	<1.0	<5.0	<1.0	<5.0	<5.0	NS	NS
Chloroform	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	6.0	0.6
Chloromethane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	3.0	1.5
2-Chlorotoluene	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	NS	NS
4-Chlorotoluene	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	100	50
Dibromochloromethane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	60	6.0
1,2-Dibromo-3-Chloropropane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	0.025	0.0025
1,2-Dibromomethane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	NS	NS
Dibromomethane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	NS	NS
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	600	300
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	600	300
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	75	37.5
Dichlorodifluoromethane	<1.0	<5.0	<1.0	<5.0	<1.0	<5.0	<1.0	<5.0	<5.0	1000	500
1,1-Dichloroethane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	70	35
1,2-Dichloroethane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	5.0	0.5
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7.0	0.7
cis-1,2-Dichloroethene	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	70	35
trans-1,2-Dichloroethene	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	100	50
1,2-Dichloropropane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	5.0	0.5
1,3-Dichloropropane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	NS	NS
2,2-Dichloropropane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	NS	NS
1,1-Dichloropropene	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	NS	NS
cis-1,3-Dichloropropene	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	NS	NS
trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS
Ethylbenzene	16	1	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	700	350
Methylene Chloride	<1.0	<5.0	<1.0	<5.0	<1.0	<5.0	<1.0	<5.0	<5.0	5.0	0.5
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	100	50
1,1,1,2-Tetrachloroethane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	NS	NS
1,1,2,2-Tetrachloroethane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	NS	NS
Tetrachloroethene	<1.0	<0.7	<1.0	<0.7	<1.0	<0.7	<1.0	<0.7	<0.7	5.0	0.5
Toluene	<1.0	<1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1000	500
1,1,1-Trichloroethane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	200	100
1,1,2-Trichloroethane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	5.0	2.5
Trichloroethene	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	5.0	0.5
Trichlorofluoromethane	<1.0	<5.0	<1.0	<5.0	<1.0	<5.0	<1.0	<5.0	<5.0	2000	1000
1,2,3-Trichloropropane	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	5.0	0.5
Vinyl Chloride	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	2.0	0.5
M/P-xylene	71	7	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	10,000 (1)	5,000 (1)
O-xylene	<1.0	<1.0	3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	10,000 (1)	5,000 (1)
Methyl-Tertiary-Butyl Ether	11	2	13	1	<1.0	<1.0	<1.0	<1.0	1.0	40	20
Carbon Disulfide	<1.0	<5.0	<1.0	<5.0	<1.0	<5.0	<1.0	<5.0	<5.0	NS	NS
n-Butylbenzene	<1.0	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS
sec-Butylbenzene	<1.0	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS
tert-butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS
Isopropylbenzene	10	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS
4-Isopropyltoluene	<1.0	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS
n-Propylbenzene	12	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	70	35
1,2,4-Trimethylbenzene	**83**	17	3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.0	2.5
1,3,5-Trimethylbenzene	**16**	10	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.0	2.0
Naphthalene	**100**	18	9.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	20	10
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	0.5
Tetrahydrofuran	<5.0	<10.0	<5.0	<10.0	<5.0	<10.0	<5.0	<10.0	<10.0	NS	NS
Diethyl Ether	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS	NS
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS	NS
4-Methyl-2-Pentanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS	NS
2-Butanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS	NS
Acetone	<15	<10	<15	<10	<15	<10	<15	<10	<10	700	350
Acrolein	<50	NA	<50	NA	<50	NA	<50	NA	NA	NS	NS
Bromodichloromethane	NA	<2.0	NA	<2.0	NA	<2.0	NA	<2.0	<2.0	NS	NS
trans-1,3-Dichloropropene	NA	<2.0	NA	<2.0	NA	<2.0	NA	<2.0	<2.0	NS	NS
Total VOCs Detected	319	68	40	1	0	0	0	0	0		

Concentrations in micrograms per liter.
PGWQS -Primary Groundwater Quality Standards
(1) Standard is for total xylenes.
Concentrations above PGWQS Enforcement Levels in boldface.
NA - not analyzed
NS - no standard available

file: n:\data\common\cf\rutland\tbl6.wk4

TABLE 3
GEOCHEMICAL GROUNDWATER QUALITY FIELD MEASUREMENTS
Consolidated Freightways
Rutland, Vermont

PARAMETER (mg/l)	MW-1		MW-2		MW-3		MW-4		MW-5
	05/20/98	03/09/99	05/20/98	03/09/99	05/20/98	03/09/99	05/20/98	03/09/99	03/09/99
pH	6.7	6.70	6.8	6.51	6.3	6.71	6.3	6.37	6.74
Temperature (F)	70	36	70	38	68	40	65	38	38
Conductivity (umS)	833	842	865	595	853	503	508	582	423
Dissolved Oxygen (mg/l)	2.6	4.8	2.0	6.8	1.4	7.10	1.6	8.20	8.60
Turbidity (ntu)	2.0	600	2.5	275	5.0	250	2.0	550	250

TABLE 4
DRINKING WATER SAMPLE ANALYTICAL DATA (VOC - METHOD 524.2)
CONSOLIDATED FREIGHTWAYS
Site Investigation
Rutland, Vermont

Compound (ppb)	DW-1 03/09/99	DW-2 03/09/99	PGWQS Enforcement	PGWQS Preventative Action
Dichlorodifluoromethane	<0.5	<0.5	1000	500
Chloromethane	<0.5	<0.5	3.0	1.5
Vinyl Chloride	<0.5	<0.5	2.0	0.5
Bromomethane	<0.5	<0.5	10.0	1.0
Chloroethane	<0.5	<0.5	NA	NA
Trichlorofluoromethane	<0.5	<0.5	2000	1000
1,1-Dichloroethene	<0.5	<0.5	7.0	0.7
Methylene Chloride	<0.5	<0.5	5.0	0.5
Methyl-t-butyl Ether (MTBE)	5.7	1.9	40	20
trans-1,2-Dichloroethene	<0.5	<0.5	100	50
1,1-Dichloroethane	<0.5	<0.5	70	35
2,2-Dichloropropane	<0.5	<0.5	NA	NA
cis-1,2-Dichloroethene	<0.5	<0.5	70	35
Bromochloromethane	<0.5	<0.5	90	9.0
Chloroform	<0.5	<0.5	6.0	0.6
1,1,1-Trichloroethane	<0.5	<0.5	200	100
Carbon Tetrachloride	<0.5	<0.5	5.0	0.5
1,1-Dichloropropene	<0.5	<0.5	NA	NA
Benzene	<0.5	<0.5	5.0	0.5
1,2-Dichloroethane	<0.5	<0.5	5.0	0.5
Trichloroethene	<0.5	<0.5	5.0	0.5
1,2-Dichloropropane	<0.5	<0.5	5.0	0.5
Dibromomethane	<0.5	<0.5	NA	NA
Bromodichloromethane	<0.5	<0.5	NA	NA
cis-1,3-Dichloropropene	<0.5	<0.5	NA	NA
Toluene	<0.5	<0.5	1000	500

TABLE 4
DRINKING WATER SAMPLE ANALYTICAL DATA (VOC - METHOD 524.2)
CONSOLIDATED FREIGHTWAYS
Site Investigation
Rutland, Vermont

Compound (ppb)	DW-1 03/09/99	DW-2 03/09/99	PGWQS Enforcement	PGWQS Preventative Action
trans-1,3-Dichloropropene	<0.5	<0.5	NA	NA
1,1,2-Trichloroethane	<0.5	<0.5	5.0	2.5
Tetrachloroethene	<0.5	0.9	5.0	0.5
1,3-Dichloropropane	<0.5	<0.5	NA	NA
Dibromochloromethane	<0.5	<0.5	60	6.0
1,2-Dibromoethane	<0.5	<0.5	NA	NA
Chlorobenzene	<0.5	<0.5	100	50
1,1,1,2-Tetrachloroethane	<0.5	<0.5	NA	NA
Ethylbenzene	<0.5	<0.5	700	350
mp-Xylene	<0.5	<0.5	10,000(1)	5,000(1)
o-Xylene	<0.5	<0.5	10,000(1)	5,000(1)
Styrene	<0.5	<0.5	100	50
Bromoform	<0.5	<0.5	4.0	0.5
iso-Propylbenzene	<0.5	<0.5	NA	NA
Bromobenzene	<0.5	<0.5	NA	NA
1,1,2,2-Tetrachloroethane	<0.5	<0.5	NA	NA
1,2,3-Trichloropropane	<0.5	<0.5	5.0	0.5
n-Propylbenzene	<0.5	<0.5	NA	NA
2-Chlorotoluene	<0.5	<0.5	NA	NA
4-Chlorotoluene	<0.5	<0.5	100	50
1,3,5-Trimethylbenzene	<0.5	<0.5	4.0	2.0
tert-Butylbenzene	<0.5	<0.5	NA	NA
1,2,4-Trimethylbenzene	<0.5	<0.5	5.0	2.5
sec-Butylbenzene	<0.5	<0.5	NA	NA
1,3-Dichlorobenzene	<0.5	<0.5	600	300
p-isopropyltoluene	<0.5	<0.5	NA	NA

TABLE 4
DRINKING WATER SAMPLE ANALYTICAL DATA (VOC - METHOD 524.2)
CONSOLIDATED FREIGHTWAYS
Site Investigation
Rutland, Vermont

Compound (ppb)	DW-1 03/09/99	DW-2 03/09/99	PGWQS Enforcement	PGWQS Preventative Action
1,4-Dichlorobenzene	<0.5	<0.5	75	37.5
1,2-Dichlorobenzene	<0.5	<0.5	600	300
n-Butylbenzene	<0.5	<0.5	NA	NA
1,2-Dibromo-3-chloropropane	<0.5	<0.5	0.025	0.0025
1,2,4-Trichlorobenzene	<0.5	<0.5	70	35
Hexachlorobutadiene	<0.5	<0.5	1.0	0.5
Naphthalene	<0.5	<0.5	20	10
1,2,3-Trichlorobenzene	<0.5	<0.5	NA	NA

PGWQS - Primary Groundwater Quality Standard
(1) Standard is for total xylenes.
NA - Standard not available.

QST ENVIRONMENTAL INC.
410 Amherst Street
Nashua, NH 03063
(603) 889-3737

TEST BORING LOG AND WELL INSTALLATION DETAILS

PROJECT NAME: CONSOLIDATED FREIGHTWAYS SITE LOCATION: RUTLAND, VT
QST PROJECT NUMBER: 7298077 GROUND ELEVATION: N/A

	AUGER	CASING	CASING
TYPE			
ID/OD			
DEPTH INTERVAL			

BORING NUMBER: DATE STARTED: 12/23/98
WELL NUMBER: MW-5 COMPLETED: 12/23/98

CONTRACTOR: E.D.I. QST FIELD INSPECTOR: P. Peterson
DRILLER: BORING LOG PREPARED BY: Peterson

HSA = HOLLOW STEM AUGER FJ = FLUSH JOINT CASING
SSA = SOLID STEM AUGER WC = WELDED CASING
SA = SLOTTED AUGER OTHER:

DEPTH TO GROUNDWATER: 3.8' DEPTH TO BOTTOM OF BORING: 12'
SCREENED INTERVAL: 0.8-10.8' DEPTH TO BOTTOM OF WELL: 10.8'

DEPTH (IN FEET)	6" BLOW COUNTS	SAMPLE NO.	LOG	SOIL/ROCK DESCRIPTION	WELL CONSTRUCTION DETAILS	VOC (PPM)	RECOVERY (INCHES)	REMARKS
0				GRASS	ROAD BOX			
	1,2			Sand, medium.	CEMENT			
2	2,2				BENTONITE	0	18	
	3,3			Sand, medium to coarse, brown with occasional small cobbles.	PVC RISER			
4	2,2					0	2	
	7,6							
	3,3					0	8	Wet
6	2,2							
	2,2				PVC SCREEN	0	6	Wet
8	2,2			Sand, coarse.				
	2,5			Sand, fine with silt and clay		0	20	Wet
10	4,2							
	2,3					0	8	Wet
12				END OF BORING AT 12'				

NOTE: ALL DEPTHS ARE FROM GROUND SURFACE.
ALL SAMPLING COMPLETED WITH 2" OD SPLIT SPOON SAMPLER DRIVEN BY 140 LB. HAMMER UNLESS OTHERWISE NOTED

BMW5.DWG

eastern analytical

professional laboratory services

Lindi Higgins
QST Environmental
410 Amherst St.
Nashua , NH 03063

Subject: Laboratory Report

Eastern Analytical, Inc. ID:	15951 QST
Client Identification:	CF Rutland
Date Received:	3/11/99

Dear Ms Higgins :

Enclosed please find the laboratory report for the above identified project. All analyses were subjected to rigorous quality control measures to assure data accuracy. Unless otherwise stated, all holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol.

The following standard abbreviations and conventions apply throughout all Eastern Analytical, Inc. reports:

< = "less than" followed by the detection limit
TNR = Testing Not Requested
ND = None Detected, no established detection limit
RL = Reporting Limits

If you have any questions regarding the results contained within, please feel free to directly contact me, the department supervisor, or the analytical chemist who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst (WB)
Will Brunkhorst, President

3/25/99
Date

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 15951

Client: **QST Environmental** Client Designation: **CF Rutland**

Sample ID:	MW-1	MW-2	MW-3	MW-4	MW-5
Analytical Type:	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	3/9/99	3/9/99	3/9/99	3/9/99	3/9/99
Date Received:	3/11/99	3/11/99	3/11/99	3/11/99	3/11/99
Units:	µg/l	µg/l	µg/l	µg/l	µg/l
Date of Analysis:	3/16/99	3/16/99	3/16/99	3/16/99	3/16/99
Analyst:	VG	VG	VG	VG	VG
Method:	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1
Dichlorodifluoromethane	< 5	< 5	< 5	< 5	< 5
Chloromethane	< 2	< 2	< 2	< 2	< 2
Vinyl chloride	< 2	< 2	< 2	< 2	< 2
Bromomethane	< 2	< 2	< 2	< 2	< 2
Chloroethane	< 5	< 5	< 5	< 5	< 5
Trichlorofluoromethane	< 5	< 5	< 5	< 5	< 5
Diethyl ether	< 5	< 5	< 5	< 5	< 5
Acetone	< 10	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1
Methylene chloride	< 5	< 5	< 5	< 5	< 5
Carbon disulfide	< 5	< 5	< 5	< 5	< 5
Methyl-t-butyl ether(MTBE)	2	1	< 1	< 1	1
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2	< 2	< 2
2,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2
2-Butanone(MEK)	< 10	< 10	< 10	< 10	< 10
Bromochloromethane	< 2	< 2	< 2	< 2	< 2
Tetrahydrofuran(THF)	< 10	< 10	< 10	< 10	< 10
Chloroform	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2
1,1-Dichloropropene	< 2	< 2	< 2	< 2	< 2
Benzene	2	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 2	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2
Dibromomethane	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 2	< 2	< 2	< 2	< 2
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2
Toluene	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2
2-Hexanone	< 10	< 10	< 10	< 10	< 10
Tetrachloroethene	< 0.7*	< 0.7*	< 0.7*	< 0.7*	< 0.7*
1,3-Dichloropropane	< 2	< 2	< 2	< 2	< 2

Approved By: Clifford Chase Organics Supervisor 4/2/99

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 15951

Client: **QST Environmental** Client Designation: **CF Rutland**

Sample ID:	MW-1	MW-2	MW-3	MW-4	MW-5
Analytical Type:	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	3/9/99	3/9/99	3/9/99	3/9/99	3/9/99
Date Received:	3/11/99	3/11/99	3/11/99	3/11/99	3/11/99
Units:	µg/l	µg/l	µg/l	µg/l	µg/l
Date of Analysis:	3/16/99	3/16/99	3/16/99	3/16/99	3/16/99
Analyst:	VG	VG	VG	VG	VG
Method:	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2
1,2-Dibromoethane	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2	< 2	< 2
1,1,1,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	1	< 1	< 1	< 1	< 1
mp-Xylene	7	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2	< 2
iso-Propylbenzene	2	< 1	< 1	< 1	< 1
Bromobenzene	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2
1,2,3-Trichloropropane	< 2	< 2	< 2	< 2	< 2
n-Propylbenzene	2	< 1	< 1	< 1	< 1
2-Chlorotoluene	< 2	< 2	< 2	< 2	< 2
4-Chlorotoluene	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	10	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	17	< 1	< 1	< 1	< 1
sec-Butylbenzene	2	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1
p-isopropyltoluene	3	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	2	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2	< 2
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 1	< 1	< 1	< 1	< 1
Naphthalene	18	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1

* The GCMS calibration range begins at 1 ppb. No trace of PCE was seen in the mass spectrum.

Approved By: Clifford Chase Organics Supervisor 4/1/99

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 15951

Client: **QST Environmental** Client Designation: **CF Rutland**

Sample ID:	DW-1	DW-2	TRIP BLANK
Analytical Type:	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	3/9/99	3/9/99	3/9/99
Date Received:	3/11/99	3/11/99	3/11/99
Units:	µg/l	µg/l	µg/l
Date of Analysis:	3/12/99	3/12/99	3/12/99
Analyst:	VG	VG	VG
Method:	524.2	524.2	524.2
Dilution Factor:	1	1	1
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5
Chloromethane	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.5	< 0.5	< 0.5
Bromomethane	< 0.5	< 0.5	< 0.5
Chloroethane	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5
Methylene chloride	< 0.5	< 0.5	< 0.5
Methyl-t-butyl ether(MTBE)	5.7	1.9	< 0.5
trans-1,2-Dichloroethene	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane	< 0.5	< 0.5	< 0.5
2,2-Dichloropropane	< 0.5	< 0.5	< 0.5
cis-1,2-Dichloroethene	< 0.5	< 0.5	< 0.5
Bromochloromethane	< 0.5	< 0.5	< 0.5
Chloroform	< 0.5	< 0.5	< 0.5
1,1,1-Trichloroethane	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	< 0.5	< 0.5	< 0.5
1,1-Dichloropropene	< 0.5	< 0.5	< 0.5
Benzene	< 0.5	< 0.5	< 0.5
1,2-Dichloroethane	< 0.5	< 0.5	< 0.5
Trichloroethene	< 0.5	< 0.5	< 0.5
1,2-Dichloropropane	< 0.5	< 0.5	< 0.5
Dibromomethane	< 0.5	< 0.5	< 0.5
Bromodichloromethane	< 0.5	< 0.5	< 0.5
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5
Toluene	< 0.5	< 0.5	< 0.5
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 0.5	< 0.5	< 0.5
Tetrachloroethene	< 0.5	0.9	< 0.5
1,3-Dichloropropane	< 0.5	< 0.5	< 0.5
Dibromochloromethane	< 0.5	< 0.5	< 0.5
1,2-Dibromoethane	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 0.5	< 0.5	< 0.5
1,1,1,2-Tetrachloroethane	< 0.5	< 0.5	< 0.5
Ethylbenzene	< 0.5	< 0.5	< 0.5
mp-Xylene	< 0.5	< 0.5	< 0.5
o-Xylene	< 0.5	< 0.5	< 0.5

Approved By: Clifford Chase Organics Supervisor 3/24/99

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 15951

Client: **QST Environmental** Client Designation: **CF Rutland**

Sample ID:	DW-1	DW-2	TRIP BLANK
Analytical Type:	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	3/9/99	3/9/99	3/9/99
Date Received:	3/11/99	3/11/99	3/11/99
Units:	µg/l	µg/l	µg/l
Date of Analysis:	3/12/99	3/12/99	3/12/99
Analyst:	VG	VG	VG
Method:	524.2	524.2	524.2
Dilution Factor:	1	1	1
Styrene	< 0.5	< 0.5	< 0.5
Bromoform	< 0.5	< 0.5	< 0.5
iso-Propylbenzene	< 0.5	< 0.5	< 0.5
Bromobenzene	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane	< 0.5	< 0.5	< 0.5
1,2,3-Trichloropropane	< 0.5	< 0.5	< 0.5
n-Propylbenzene	< 0.5	< 0.5	< 0.5
2-Chlorotoluene	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	< 0.5	< 0.5	< 0.5
1,3,5-Trimethylbenzene	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	< 0.5	< 0.5	< 0.5
1,2,4-Trimethylbenzene	< 0.5	< 0.5	< 0.5
sec-Butylbenzene	< 0.5	< 0.5	< 0.5
1,3-Dichlorobenzene	< 0.5	< 0.5	< 0.5
p-isopropyltoluene	< 0.5	< 0.5	< 0.5
1,4-Dichlorobenzene	< 0.5	< 0.5	< 0.5
1,2-Dichlorobenzene	< 0.5	< 0.5	< 0.5
n-Butylbenzene	< 0.5	< 0.5	< 0.5
1,2-Dibromo-3-chloropropane	< 0.5	< 0.5	< 0.5
1,2,4-Trichlorobenzene	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5
Naphthalene	< 0.5	< 0.5	< 0.5
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5

Approved By: Clifford Chase Organics Supervisor 3/24/99

eastern analytical, inc.
25 Chenell Drive / Concord, NH 03301 / TEL (603) 228-0525 / 1-800-287-0525
FAX (603) 228-4591 / E-Mail : front_office@eailabs.com

15951

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

REQUESTED ANALYSES

ITEM # for lab use only	SAMPLE I.D.	SAMPLING DATE / TIME	MATRIX (A - Air, S - Soil, GW - Ground W., SW - Surface W., DW - Drinking W., WW - Waste W., ☐ Other)	G-Grab, C-Comp	☐ 8260B ☐ 524.2 ☐ 8260B plus 10 TICS	☐ 8260B-TCL (8240 list) ☐ 624	☒ 8021B ☐ 601 / 602	☐ 8021B-Halos (8010 list) ☐ 601	☐ 8021B-BTEX (8020 list) ☐ 602	☐ MA VPH ☐ ME GRO ☐ 8015B GRO	☐ MA EPH ☐ ME DRO ☐ 8015B DRO	TPH 8100 M ☐ LI ☐ LII ☐ LIII	☐ 8270 ☐ 625 ☐ ABN ☐ A ☐ BN ☐ PAH	☐ 8081/8082 ☐ 608 ☐ PCBs ☐ Pesticides	Dissolved Metals (list below)	Total Metals (list below)	TCLP Metals (list below)	☐ TSS ☐ TDS ☐ TS	☐ F ☐ Cl ☐ SO4 ☐ NO2 ☐ NO3	☐ pH ☐ Spec. Con. ☐ BOD	☐ T. Alk ☐ Carb. Alk ☐ Bi. Alk	☐ TKN ☐ NH3 ☐ T. Phos.	☐ COD ☐ TOC ☐ Phenols	☐ Oil & Grease ☐ TPH (list method below)	☐ CN ☐ Formaldehyde	☐ T. Coli ☐ E. Coli ☐ F. Coli ☐ F Strep					# Of Containers	NOTES
1	MW-1	3/9/99 1345	GW	G			2																										
2	MW-2	3/9/99 1320	GW	G			2																										
3	MW-3	3/9/99 1305	GW	G			2																										
4	MW-4	3/9/99 1415	GW	G			2																										
5	MW-5	3/9/99 1530	GW	G			2																										
6	DW-1	3/9/99 1130	DW	G	2																												
7	DW-2	3/9/99 1150	DW	G	2																												
8	TB				1																												b/hlo

PRESERVATIVE : H-HCl ; N-HNO3 ; S-H2SO4 ; Na-NaOH

PROJECT MANAGER : Lina Higgins
COMPANY : Est Environmental
ADDRESS : 410 Amherst Street
CITY : Nashua STATE NH ZIP 03063
PHONE : (603) 889-[illegible] EXT : 235
FAX :
E-MAIL :
PROJECT NAME : CF Env
PROJECT # :
STATE : ☐ NH ☐ MA ☐ ME ☒ VT OTHER
☐ Site historically contaminated

NOTES : (i.e. Special Detection Limits, Billing Info. if different)

Detection limits must meet Vermont standards
Please include tri[illegible]
Duplicate: [illegible]

RESULTS NEEDED BY Standard
(enter preferred date) :
(Guaranteed rapid turnaround needs pre-approval)

QA / QC Reporting Level ☐ A ☐ B ☐ C

Reporting Options : ☐ Hard Copy ☐ Fax
Electronic : ☐ E-Mail ☐ Disk

Quote # :
P.O. # :
Sampler(s) : Conan Gill

FOR LAB USE ONLY
Adhered to EPA Protocol ☐ Yes ☐ No (see attached)
Cold ? ☒ Yes ☐ No

Relinquished by	Date	Time	Received by
Conan Gill	3/10/99	1200	[illegible] 3/10/99

(WHITE : *Original* YELLOW : *Lab Files* PINK : *Project Manager*)