SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT FINAL

RIDGE STREET BROWNFIELD PROJECT (B00140-5)
30-34 RIDGE STREET
GLENS FALLS, NEW YORK

April 2001

PREPARED FOR:

MR. ROY THOMAS
COMMUNITY DEVELOPMENT DIRECTOR
CITY OF GLENS FALLS
RIDGE STREET
GLENS FALLS, NEW YORK 12801

PREPARED BY:

HRP ASSOCIATES, INC.
105 LAKE HILL ROAD
BURNT HILLS, NEW YORK 12027

Christopher J. Bablin
Senior Project Geologist

Jeffrey R. Sotek, P.E.
Project Manager

HRP ASSOCIATES, INC.
105 Lake Hill Road
Burnt Hills, New York 12027
(518) 399-1174

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Executive Summary

This Site Investigation/Remedial Alternatives Report (SI/RAR) summarizes HRP Associates, Inc.'s (HRP's) subsurface investigation of the site located at 30-34 Ridge Street in Glens Falls, New York. The purpose of the investigation was to determine if the site's historical use as a gasoline filling station adversely impacted the site's soils and/or ground water. The SI/RAR included: conducting a ground penetrating radar survey (GPR), the removal of two 1,000-gallon underground storage tanks, the installation of eight (8) soil borings and four (4) monitoring wells, and the collection and analysis of representative soil and ground water samples within identified areas of concern. Based on the data collected to date, HRP noted the following:

- Two, 1,000-gallon underground storage tanks were identified on-site and subsequently removed.
- During the removal of the on-site underground storage tanks, a gasoline odor was exhibited by the soils beneath the western tank. Therefore, HRP supervised the removal of approximately 8 cubic yards of soil from the tank grave. The soils were then hauled off-site for disposal.
- The confirmatory soil sample results from the former UST area indicated that no STARS volatile organic compounds (VOCs) were detected above the laboratory detection limits in any of the samples. However, several STARS semi-VOCs were detected in the soil samples collected within the tank grave (UST-North, UST-East, and the UST-West) above STARS guidance cleanup values. The source of the semi-VOCs detected in the former tank grave is unknown, however, possible sources include noted fill materials and historic on-site operations. The degree and extent appears to be limited.
- The results of the soil sample analytical results indicated that no STARS VOCs were detected above STARS cleanup guidance values in any of the analyzed samples. However, four semi-VOC compounds were detected in GF-6, 12'-14', above the STARS cleanup guidance values. GF-6 is located at the southwestern perimeter of the former UST area on-site. The source of the low levels of semi-VOC compounds is unknown,

however, the site was reportedly a service station for many years, and likely used petroleum products contained in these compounds. In addition, fill was noted within the soil borings installed on-site. It is possible that the fill or the historic site uses are the source of the semi-VOCs noted in GF-6.

- The results of the ground water sampling indicated that each of the analyzed constituents was below the laboratory detection limits for both STARS 8021B and 8270C compounds and lead. Therefore it appears that the site's historical operations have not adversely impacted the site's ground water. Based on HRP's ground water survey, ground water flow direction in the on-site overburden aquifer is to the west-northwest.

- Since the semi-volatile impacted soils noted on-site appear limited, and ground water does not appear to have been adversely impacted, HRP does not recommend any remedial action at this time. However, should future site use change (proposed use for paved parking lot), then remedial action may be warranted at that time.

SITE INVESTIGATION/ REMEDIAL ALTERNATIVES REPORT

30-34 RIDGE STREET
GLENS FALLS, NEW YORK

1.0 INTRODUCTION

1.1 Purpose of Report

In November 1999, the New York State Department of Environmental Conservation (NYSDEC) awarded the City of Glens Falls a Municipal Restoration Grant (B00140-5) to conduct an environmental investigation at 30-34 Ridge Street in the City of Glens Falls, New York. Subsequently, the City of Glens Falls retained HRP Associates, Inc. (HRP) to perform the investigation. The purpose of the investigation was to determine if the site's historical use as a gasoline filling station adversely impacted the site's soils and/or ground water. This Site Investigation/Remedial Alternatives Report (SI/RAR) details the site conditions, field activities, sample collection and analytical results for the 30-34 Ridge Street site.

1.2 Site Background

1.2.1 Site Description

The 0.1± acre site is located at 30-34 Ridge Street (See Figure 1) in a densely developed, downtown section of Glens Falls, New York. The site is currently improved by an abandoned, 2,000 ft^2± single-story, slab-on-grade building. The site is abutted to the east by Glens Falls City Hall, to the south by Ridge Street, and to the north and west by multi-level commercial/residential buildings. The entire site is developed with either the building or asphalt pavement (See Figure 2 for site plan).

1.2.2 Site History

The existing, abandoned 2,000-ft^2± building was reportedly constructed circa 1950. However, based on a historical review completed by HRP, the site was initially developed since at least the late 1800's. The site has been redeveloped several times throughout its history and occupied by a variety of tenants including:

- Ridge Street Fire Engine House (1918-1935)
- Amoco Service Station (1935-1968)
- Vacant (1968-1975)
- Pizzeria (Omni & Pope) (1975-1993)

1.2.3 Previous Investigations (see Appendix A)

NYSDEC Spill Report 8906152

On September 21, 1989, a caller reported to the NYSDEC that an abandoned tank was located under the parking and a fill pipe was exposed to the surface at 30-34 Ridge Street. In addition, the Glens Falls Fire Department noted a petro/chemical smell and a high reading on a "sniffer/explosimeter." The NYSDEC assigned the report Spill File # 8906152. In response to the NYSDEC request, in May 1991, Mr. Paul Amato (site owner) retained Mike Busone of M.J. Busone Company to remove two, 500-gallon underground gasoline tanks located to the south of the building. According to the spill report, one tank was full of water and the other tank was half full with gasoline. Reportedly, since the tanks were located too close to the building, the liquids were removed, the tanks cleaned, and were filled with concrete to abandon them in place. The report also indicated that a test pit was dug below the tanks and no odor was evident on the ground water.

HRP Associates, Inc. (HRP), Subsurface Investigation (June 23, 1999)

A review of the site's 1961 Sanborn Fire Insurance Map indicated that two underground gasoline tanks were located immediately to the south of the on-site building. Therefore, HRP completed a limited subsurface investigation of the subject site, which was detailed in a June 23, 1999 letter report to Avalon Associates, Inc. (See Appendix A). HRP's limited investigation included the installation of five soil borings and the collection and analysis of select soil samples and two grab, ground water samples to investigate the potential impact of the former tanks upon the site's soil and ground water. Based on the field evaluation, HRP selected and submitted two soil and two-grab ground water samples to a state certified laboratory for analysis of STARS volatile organic compounds (VOCs) via EPA Method 8021B and lead by mass analysis.

Based on the analytical results and HRP's observations, it appeared that residual petroleum soil contamination, which exceeded applicable NYSDEC guidance values remained in the vicinity of the abandoned underground tanks at a depth of 12 feet and greater. Additionally, based on the ground water analytical results, it appeared that limited ground water contamination exceeded NYSDEC standards in the vicinity of the abandoned tanks. However, the degree and extent of the soil and ground water contamination at the site were not defined at that time. HRP's findings were reported to the NYSDEC Spill Hotline, however, a spill number was not assigned, since the detected contaminants were associated with the previous reported spill number (8906152).

1.3 Report Organization

This report details the site conditions, field activities, sample collection and analysis and analytical results for the site located at 30-34 Ridge Street in the City of Glens Falls, New York. The report was prepared in accordance with the Suggested Site Investigation and Remedial Alternatives Report Format outlined in Appendix 1 of "Municipal Assistance Environmental Restoration Projects, Brownfield Program". In particular, the report consists of the following sections:

Section 2. Study Area Investigations-details site investigation methodologies;

Section 3. Physical Characteristics of the Study Area-details the site setting, hydrogeology and geology;

Section 4. Evaluation and Presentation of Results-presents the results of the site investigation;

Section 5. Summary and Conclusions.

2.0 STUDY AREA INVESTIGATIONS

To define the degree and extent of gasoline contamination detected during HRP's June 1999 investigation, the following activities were completed during October 2000 through January 2001:

Ground Penetrating Radar-To accurately locate the two existing on-site underground tanks and piping and determine if any additional tanks are located on-site, a ground penetrating radar survey (GPR) was completed.

Underground Tank Removal-To investigate the potential, adverse impact of the underground tanks upon the site, the two underground tanks were removed and the surrounding and underlying soils reviewed.

Soil Boring Installation-To evaluate the degree, extent, persistence, mobility, and state of the contamination present on-site, soil borings were installed to collect representative soil samples within identified areas of concern.

Monitoring Well Installation-To determine if historical site operations adversely impacted the site's ground water, a monitoring well network was installed to collect representative ground water samples.

Demolition Asbestos Survey- A building pre-demolition asbestos survey was conducted of the on-site building to identify and quantify asbestos-containing materials. The methods and results of the pre-demolition asbestos survey are presented in a separate report, titled *"Asbestos Pre-Demolition Survey, 30-34 Ridge Street, Glens Falls, New York."*

2.1 Field Activities

Each of the field activities, as well as the site's surface features is described in detail below.

2.1.1 Surface Features (topographic mapping, etc.), natural and manmade features

The 0.1± acre site, located in a densely developed, downtown section of Glens Falls, New York, is improved by an abandoned, 2,000 ft^2± single-story, slab-on-grade building located in the northwest comer of the site. The site is situated on a relatively level

parcel located at 340 ft above mean sea level, according to the latest topographic map of the Glens Falls Quadrangle. The entire site is developed with either the building or asphalt pavement (see Figure 2 for site plan).

No surface water is located on-site, however, the Hudson River is located approximately 2,000 feet south of the site.

2.1.2 Ground Penetrating Radar Survey

Purpose

HRP conducted a Ground Penetrating Radar (GPR) Survey of the site to accurately locate the two existing abandoned underground tanks and evaluate if any other underground tanks or piping exists on-site.

Methodology

HRP utilized a GSSI Subsurface Interface Radar System 3, coupled with a 500 MHz antenna to provide an instant graphic printout during the survey. Initially, HRP established a 5-foot grid, measured from fixed points so that reconstruction of the survey grid can be done at a later date, if necessary. Due to variable attenuation and reflectance characteristics of the subsurface materials, the variation in return signals produces a continuous two-dimensional cross-sectional picture of the subsurface. The signal penetrates asphalt and, to a certain extent concrete, and reflect from targets such as underground steel tanks, pipes and utility lines. Natural and man-made conditions can affect the results of a GPR survey, including reinforced concrete, soils with high clay or silt content, uneven terrain covered with brush, debris, etc., and other stored items or bulky wastes.

Results

HRP Associates, Inc. completed the GPR Survey at the Ridge Street site on October 18, 2000. The GPR survey identified the location of the two existing abandoned underground tanks, two small diameter pipes along the north and west walls of the building and two anomalies areas located to the north of the building (see Figure 3). The GPR printouts and associated field notes can be reviewed in Appendix B.

2.1.3 Underground Tank Removal

Purpose

The June 1999 subsurface investigation by HRP determined that soils in the vicinity of the two abandoned underground tanks exhibited residual soil contamination above the NYSDEC Guidance cleanup values. Therefore, to evaluate the degree and extent of the detected soil contamination and eliminate the potential source of on-site contamination, the two-abandoned underground tanks and the associated were removed and the soils were reviewed for the presence of contamination.

Methodology

Initially, HRP notified the local Fire Marshal and NYSDEC Petroleum Bulk Storage unit personnel of the pending tank removal project. Mr. Christopher Bablin of HRP and Mr. Andrew Frank of the NYSDEC supervised and oversaw the tank removal, respectively.

On October 24, 2000 HRP and Albany Tank Services, Inc. mobilized to the site to remove the two-abandoned underground 1,000-gallon steel tanks, which formerly stored gasoline. Initially, the asphalt and approximately two-feet of soil covering the tanks was removed to expose the tops of the tanks. Once exposed, a cutsaw was used to open the tanks and expose the concrete within the tanks. The backhoe bucket was then used to peel (remove) the steel from the concrete inside the tanks to facilitate their excavation. Once the steel was removed, a backhoe was utilized to breakup and remove the large concrete chunks from the excavation. When the steel tanks and the concrete were removed, HRP reviewed the tank graves for physical evidence of contamination (i.e. odor, staining). In addition, representative soil samples were collected from the tank grave and subjected to a headspace analysis for the presence of hydrocarbons utilizing a photoionization detector (PID). No evidence of contamination was noted beneath the eastern tank; however, a gasoline odor was exhibited by the soils beneath the western tank. Since the soil contamination appeared limited, HRP supervised the removal of any soils that exhibited an odor, staining or elevated PID readings.

In total, approximately 8 cubic yards of soil was removed from the tank grave (which measured approximately 10 feet wide, 12 feet

long, 6-7 feet deep) and staged and covered with plastic. Following the soil removal activities, six confirmatory soil samples were collected from the tank grave's walls and bottom and submitted to a state-certified laboratory for analysis. The samples were collected at approximately five feet below grade, placed in a pre-cleaned glass jar, labeled, and placed in a cooler for preservation. In addition, composite soil samples were collected from the excavated soil pile to characterize the excavated soils for disposal purposes. Subsequent to the sample collection the tank grave was backfilled.

In accordance with NYS DEC protocol (STARS), the collected soil samples from the tank grave were submitted to Schneider Laboratories, Inc. (Schneider) for analysis of the following parameters:

- STARS volatile organics via EPA Method 8021B;
- STARS semi-volatile via EPA Method 8270C; and,
- Lead via mass analysis.

The results of the confirmatory soil samples are presented in Table 1, while the laboratory analytical reports are included in Appendix C. In addition, to obtain approval to dispose of the staged soils at Environmental Soil Management, Inc. (ESMI) facility located in Fort Edward, New York, a sample of the staged soil pile was submitted to Hudson Environmental Services (HES), a state certified laboratory for analysis of total petroleum hydrocarbons via EPA Method 8015 (Modified), total benzene via EPA Method 8021B and Lead via TCLP. Upon receipt of approval from ESMI, 8.99 tons of soil was transported by Albany Tank Service's to ESMI's facility for recycling. In addition, the concrete removed from the tanks was transported to L. Harris Co. of Queensbury, New York for recycling. Manifests are included as Appendix D.

2.1.4 Soil and Vadose Zone Investigations

Purpose

To evaluate the degree and extent of soil contamination associated with the two underground tanks and the anomaly areas identified during the GPR Survey, HRP installed a series of soil borings and submitted select soil samples for analysis.

Methodology

Mr. Christopher Bablin and Ms. Lauren Sufleta of HRP, and North Star Drilling, Inc. (licensed drilling subcontractor) mobilized to the

site on November 7, 2000 to install eight soil borings. Four of the soil borings, designated GF-6 through GF-9, (GF-1 through GF-5 were installed during HRP's June 1999 investigation) were installed south of the building in the immediate vicinity of the former underground gasoline tanks. The other four borings, designated GF-10 through GF-13, were installed north of the building in the vicinity of the detected GPR anomalies. The soil boring locations are depicted on Figure 4.

Vibratory push techniques (Geoprobe®) were used to install the borings to a total depth of 8 to 16 feet below the surface, depending on location. During the boring installations, continuous four-foot soil samples were collected using dedicated 1 ¾" I.D. stainless steel macrocore samplers. Each four-foot soil sample was collected in a new, acetate liner to ensure the sample's integrity, and then split into two (2), two-foot segments. The collected soil samples were reviewed in the field for physical evidence of contamination (i.e. odor and staining), placed in glass containers equipped with Teflon®-lined lids, labeled, and stored in a cooler for preservation. In addition, a portion of each soil sample was placed in a sealable plastic bag, allowed to warm to ambient temperature, then subjected to a headspace analysis for total VOCs using an HNu® photoionization detector (PID) equipped with a 10.2 eV bulb. The boring logs and PID readings are included in Appendix E. HRP's observations and field screening results are discussed in the following table.

SUMMARY OF SOIL SAMPLE FIELD REVIEW

30-34 Ridge Street
Glens Falls, New York

Boring	Location	Soil Sample		PID reading (ppm)	
		Depth (ft)	Odor/Staining	SS	HS
GF-6	Southwest of Former USTs	0-2	N/N	1	6.0
		2-4*	N/N	1	1.7
		4-6	Y/N	10	2.8
		6-8	Y/N	0	1.8
		8-10	N/N	5	5.8
		10-12	N/N	0	2.8
		12-14*	N/N	1	5.8
		14-15.5	N/N	1	2.5
GF-7	South of Former USTs	0-2	Y/N	4	7.2
		2-4	Y/N	0	1.4
		4-4.5	N/N	10	0.0
		4.5-6	N/N	0	3.8
		6-8	N/N	0	2.4

SUMMARY OF SOIL SAMPLE FIELD REVIEW

30-34 Ridge Street
Glens Falls, New York

Boring	Location	Soil Sample		PID reading (ppm)	
		Depth (ft)	Odor/Staining	SS	HS
		8-8.5	N/N	1	0.0
		8.5-10	N/N	0	5.0
		10-12	N/N	0	1.6
		12-14*	N/N	2	3.4
		14-15	N/N	0	2.6
GF-8	Southeast of Former USTs	0-2	N/N	0	4.4
		2-4*	N/N	0	2.6
		4-6	N/N	0	5.0
		6-8	N/N	0	1.8
		8-10	N/N	0	4.6
		10-12	N/N	0	3.0
GF-9	East of Former USTs	0-2	N/N	0	2.6
		2-4	N/N	0	0.4
		4-6	N/N	3	1.8
		6-8	N/N	2	0.2
		8-10	N/N	2	0.2
		10-12*	N/N	0	0.0
		12-14	N/N	0	0.6
		14-15	N/N	0	0.2
GF-10	Northwest of alley, near Anomaly 1	0-2	N/N	0	4.4
		2-4	N/N	0	2.4
		4-6	N/N	0	2.2
		6-8	N/N	0	2.0
		8-10	N/N	0	2.4
		10-12	N/N	0	2.0
		12-14	N/N	0	4.4
		14-16	N/N	0	3.0
GF-11	Alley, near concrete slab, covered concrete pit and 4" diameter pipe	0-2	N/N	1	8.0
		2-4	N/N	1	2.8
		4-6*	Y/N	4	6.0
		6-8	N/N	0	2.4
		8-10*	N/N	5	3.0
		10-12	N/N	0	3.4
		12-13	N/N	2	0.0
		13-14	N/N	2	4.8
		14-16	N/N	0	2.8
GF-12	Alley, northern end of site, 6 feet east of GF-11	0-2	N/N	0	2.0
		2-4	N/N	0	2.8
		4-6	N/N	0	2.3
		6-8*	N/N	0	2.6

SUMMARY OF SOIL SAMPLE FIELD REVIEW

30-34 Ridge Street
Glens Falls, New York

Boring	Location	Soil Sample		PID reading (ppm)	
		Depth (ft)	Odor/Staining	SS	HS
GF-13	Alley, northern end of site, 6 feet west of GF-11	0-2	N/N	0	2.8
		2-4	N/N	0	3.0
		4-6	N/N	0	2.0
		6-8	N/N	0	3.4
MW-1	Rear (northern) end of site	0-2	N/N	0	0.8
		2-4	N/N	0	1.2
		4-6	N/N	0	1.0
		6-8	N/N	0	0.8
		8-10	N/N	0	0.6
		10-12	N/N	0	1.6
		12-14	N/N	0	1.4
		14-16	N/N	0	1.0
		16-18	N/N	0	1.0
		18-20	N/N	0	1.6
MW-2	Southeast corner of site, adjacent to sidewalk	0-2	N/N	0	0.8
		2-4	N/N	0	0.4
		4-6	N/N	0	1.0
		6-8	N/N	0	0.6
		8-10	N/N	0	1.2
		10-12	N/N	0	0.8
		12-14	N/N	0	1.2
		14-16	N/N	0	1.8
		16-18	N/N	0	1.2
		18-19	N/N	0	1.6
MW-3	In driveway, east of Former USTs	0-2	N/N	0	1.0
		2-4	N/N	0	1.2
		4-6	N/N	0	1.2
		6-8	N/N	0	1.4
		8-10	N/N	0	0.9
		10-12	N/N	0	1.8
		12-14	N/N	0	1.4
		14-16	N/N	0	1.6
		16-18	N/N	0	0.8
MW-4	Southeast of Former USTs	0-2	N/N	0	1.0
		2-4	N/N	0	1.0
		4-6	N/N	0	0.9
		6-8	N/N	0	0.9
		8-10	N/N	0	1.0
		10-12	N/N	0	1.0
		12-14	N/N	0	1.4
		14-16	N/N	0	1.4

SUMMARY OF SOIL SAMPLE FIELD REVIEW

30-34 Ridge Street
Glens Falls, New York

Boring	Location	Soil Sample		PID reading (ppm)	
		Depth (ft)	Odor/Staining	SS	HS
		16-18	N/N	0	1.8
		18-20	N/N	0	1.5

*- Submitted for laboratory analysis
N = No
Y = Yes
SS-Measured directly from Soil Sample
HS-Head Space

Based on HRP's field screening results and physical examination of the soil samples, HRP selected nine soil samples for analysis. Each sample was submitted to Schneider Laboratories Inc. (NYELAP #11413), a State-certified laboratory, for analysis of STARS volatile organics via EPA Method 8021B and STARS semi-volatile organics via EPA Method 8270C. In addition, two samples were selected for analysis of the eight RCRA Metals (Arsenic [As], Barium [Bad], Cadmium [Cod], Chromium [Cr], Lead [Pub], Mercury [Hg], Selenium [Se], and Silver [Ag]) via mass analysis. The following table lists the samples selected and their justification for selection. In addition, Table 2 summarizes the soil sample results.

SOIL SAMPLE JUSTIFICATION SUMMARY
30-34 Ridge Street
Glens Falls, New York

Boring	Depth (ft)	Sample Analysis	Justification
GF-6	2'-4'	8 RCRA Metals	Evaluate abandon tanks potential impact upon soils, and evaluate surficial soils for metals.
GF-6	12'-14'	STARS 8021B, 8270C	Evaluate abandon tanks potential impact upon soils, and define vertical extent of contamination.
GF-7	12'-14'	STARS 8021B, 8270C	Evaluate abandon tanks potential impact upon soils and define vertical extent of contamination.
GF-8	2'-4'	STARS 8021B, 8270C 8 RCRA Metals	Evaluate abandon tanks potential impact upon surficial soils, and define horizontal extent of contamination.

SOIL SAMPLE JUSTIFICATION SUMMARY 30-34 Ridge Street Glens Falls, New York			
Boring	**Depth (ft)**	**Sample Analysis**	**Justification**
GF-9	10'-12'	STARS 8021B, 8270C	Evaluate abandon tanks potential impact upon soils and define vertical extent of contamination.
GF-11	4'-6'	STARS 8021B, 8270C	Evaluate areas of GPR Survey anomaly.
GF-11	8-10'	STARS 8021B, 8270C	Evaluate areas of GPR Survey anomaly.
GF-12	6'-8'	STARS 8021B, 8270C	Evaluate areas of GPR Survey anomaly.

2.1.5 Monitoring Well Installations

Purpose

To evaluate if the site's historical gasoline operations have adversely impacted the site's ground water, HRP installed four ground water-monitoring wells on-site to collect representative ground water samples and to determine the ground water flow direction at the site.

Methodology

On November 6, 2000, HRP installed four monitoring wells, designated MW-1, MW-2, MW-3, and MW-4 in areas of concern. The monitoring wells were installed approximately 8 to 10 feet into ground water, for a total well depth of 20 feet, utilizing vibratory push techniques. During the well installations, soil samples were collected and subjected to a headspace analysis, similarly to the methods used during soil boring installations (See Section 2.1.3).

Each well was constructed of one-inch diameter, Schedule 40-slotted PVC and solid riser pipe. The screened intervals were packed with clean, washed silica sand, and sealed with bentonite chips to prevent surface water infiltration. Each monitoring well was finished with a five-inch diameter, threaded brass cover, mounted flush with grade and cemented in place. The following table summarizes each monitoring wells' construction.

Monitoring Well Summary Table (all Measurements recorded from grade)				
Monitoring Well ID	Screened interval (0.01" slot screen)	Sand Pack interval (#2 Sand)	Bentonite Seal interval	Total Depth
MW-1	10.0'-20.0'	8.0'-20.0'	6.0'-8.0'	20.0'
MW-2	9.0'-19.0'	7.0'-19. 0'	6.0'-7. 0'	19.0'
MW-3	9.0'-19. 0'	7.0'-19. 0'	6.0'-7. 0'	19.0'
MW-4	12.0'-17. 0'	9.0'-17. 0'	7.0'-9. 0'	17.0'

The monitoring well locations are illustrated on Figure 4. Monitoring well construction diagrams are also included in the soil boring logs in Appendix E.

2.1.6 Monitoring Well development

Mr. Christopher Bablin and Ms. Lauren Sufleta of HRP mobilized to the site on November 16, 2000 to develop the monitoring wells. Initially, water levels in each of the monitoring wells were measured in conformance with ASTM Method D 4750-87 (1993), "Test Method for Determining Subsurface Liquid Levels in a Borehole or Monitoring Well (Observation Well)." Once the monitoring well water level and volume were determined, the wells were developed in accordance with ASTM Standard D5092-90 "Standard Practice for Design and Installation of Ground water Monitoring Wells in Aquifers". In particular, HRP used new, clean, dedicated polyethylene bailers to remove (purge) ground water. During well development, field parameters (pH, temperature, turbidity and specific conductance) were measured with a Horiba U-22 multi-meter. Well development continued until the field parameters stabilized (i.e., consecutive readings were within 5% of previous measurement). Each well was developed for a period of approximately 90 minutes. Well development logs are included in Appendix F.

2.1.7 Ground water Sampling and Elevation Survey

Mr. Christopher Bablin and Mr. Thomas Seguljic of HRP re-mobilized to the site on December 8, 2000 to survey, develop and sample each monitoring well. Initially, a clean dedicated bailer was lowered into each well and a ground water sample was collected and reviewed for odor, discoloration and floating product. Following

the initial review, six well volumes were removed from each well using using new, dedicated polyethylene micro (¾" diameter) bailers. When approximately six well volumes of ground water were removed, ground water samples were collected and placed into appropriate labeled containers, placed on ice and submitted to Schneider for analysis of STARS volatile organics via EPA Method 8021B, STARS semi-volatile organics via EPA Method 8270C and lead by mass analysis. In addition, HRP collected one field blank for QA/QC purposes, which was prepared from deionized water poured through a bailer and transported to the laboratory along with the ground water samples. The field blank and a trip blank were also analyzed for STARS volatile organics via EPA Method 8021B, STARS semi-volatile organics via EPA Method 8270C and lead. The results of the ground water sample analyses are included in Table 3.

In addition to the ground water sampling, HRP also conducted an elevation survey of the monitoring wells. Each well was surveyed to a relative benchmark, (concrete surface of adjacent brick building, east of site) whose elevation was arbitrarily assigned 100 feet. The elevation data was used to construct a ground water contour map to determine the direction of the ground water flow and the hydraulic gradient on the site. The ground water measurement data is presented in Table 4 and shallow ground water contour maps for December 2000 and April 2001 are depicted on Figures 5 and 6, respectively.

3.0 PHYSICAL CHARACTERISTICS OF THE STUDY AREA

The following section describes the site's physical setting, including the surface features, improvements, surface water, geology and hydrogeology.

3.1 Physical Setting

As indicated previously, the 0.1± acre site is located in a densely developed, downtown section of Glens Falls, New York. The site is abutted to the east by Glens Falls City Hall, to the south by Ridge Street, and to the north and west by multi-level commercial/residential buildings. The site is situated on a relatively level parcel located at 340 ft above mean sea level.

3.2 Surface Features

The entire site is developed with either the building or asphalt pavement. No earthen areas were noted on the subject site.

3.3 Improvements

The site is improved by an abandoned, 2,000-ft^2± single-story, slab-on-grade building, located in the northwest comer of the site. The abandoned building was reportedly constructed in 1950.

3.4 Surface Water Characteristics

No surface waters exist at the subject site. The nearest surface water body is the Hudson River, located approximately 2,000 feet south of the site.

3.4.1 Natural and Man-made Stormwater Drainage and Discharges, Drainage Restrictions, and Drainage Easements

No obvious man-made drainage discharges, drainage restrictions, or easements were noted or reported during HRP's review. Any stormwater generated on the site appears to discharge via sheetflow to catch basins located on Ridge Street. Catch basins on Ridge Street reportedly discharge to the City of Glens Falls storm sewers.

3.4.2 Upgradient Drainage Discharges within 1,000 Feet of the Site

No upgradient discharges were reported within 1,000 feet of the site.

3.4.3 Surface Water Quality

No information regarding the surface water quality of the Hudson River in the vicinity of the site was available.

3.5 Geological Characteristics

3.5.1 Soils

According to the Warren County Soil Conservation Service, the site's underlying soils are classified as Oakville Loamy fine sand, 0-3% slopes (OaA). This unit consists of a nearly level, deep, well-drained soil on outwash plains.

3.5.2 Surficial Geology

3.5.2.1 Regional

According to the Surficial Geologic Map (Hudson Sheet) of New York, the surficial geology of the site has been classified as Lacustrine sand (Ls). This classification is described as a well-stratified, well-sorted sand deposit near a large body of water and a sand source.

3.5.2.2 On-site Investigation(s)

Based on HRP's June 1999 and November 2000 investigations, the surficial geology at the subject site is described as a brown to brown-tan fine sand, with trace amounts of silt and fine gravel. The fine sand was typically encountered at depths between two and five feet below grade, below the pavement, gravel sub-base and fill material (concrete, coal, and glass) and continued to 12-14 feet, where coarse to medium sands, and small amounts of gravel were noted. The sands encountered during on-site investigations were generally varied and well sorted. These materials were generally consistent with the published literature.

3.5.3 Bedrock Geology

According to the Geologic Map (Hudson-Mohawk Sheet) of New York, the site is underlain by the Beekmantown Group (Obk). This is a group of Ordovician-aged limestones, dolostones, and shales. Although refusal was encountered in several on-site borings, bedrock was not encountered.

3.6 Regional Hydrogeology

3.6.1 Discussion of Available, Published Hydrogeologic Mapping in the Site area

No hydrogeologic mapping of the site was available during HRP's review of available municipal files.

3.6.2 Identification of Sole Sources, Primary Water Supply or Principal Aquifers Area

According to the map of Potential Yield of Wells in Unconsolidated Aquifers in Upstate New York, no primary aquifers (water supplies for major municipal water systems), principal aquifers (known to be productive but not intensely used as sources of water supply), or sole source aquifers [as defined by SWDA 42 USC 300h-3(e)] are located in the vicinity of the site. However, the site is located on an unconfined aquifer capable of yielding 10 to 100 gallons per minute. These aquifers consist of sand and gravel with a saturated zone generally less than ten feet thick.

3.6.3 Utilization, Consumption, and Quality of Ground Water within 0.5 Mile of the Site

According to the Atlas of Community Water System Sources for Warren County, no public or privately owned community water supply wells/sites are located within a 0.5-mile radius of the site. In addition, based on discussions with the City of Glens Falls Water Department, no known drinking water wells are located within 0.5 miles of the subject site.

3.7 Site Hydrogeologic Setting

3.7.1 Depth to Ground Water

During the site investigation, shallow ground water in the

overburden was encountered at depths ranging from 11.5 feet in GF-8 to 14.5 feet below the surface in GF-10. The ground water encountered at the site is considered part of a shallow, unconfined, overburden aquifer.

3.7.2 Ground Water Flow Direction/Hydraulic Gradient

HRP also conducted an elevation survey of the monitoring wells on December 8, 2000. Each well was surveyed to a relative benchmark, whose elevation was arbitrarily assigned 100 feet. The elevation data was used to construct a ground water contour map to determine the direction of the ground water flow and the hydraulic gradient on the site. The survey information is presented in Table 4, while the ground water contour map is illustrated on Figure 5. As indicated on Figure 5, ground water flow direction in the on-site overburden aquifer is west-northwest. The measured hydraulic gradient at the site is approximately 0.0166 ft/ft or 1.6 %.

It should be noted that HRP collected additional ground water level measurements on April 2, 2001. Based on the April 2, 2001 measurements, the ground water flow direction was similar to the December 8, 2000 measurements (i.e., west-northwest). The April 2001 survey information is also presented in Table 4, while the April 2001 ground water contour map is illustrated on Figure 6.

4.0 Evaluation and Presentation of Results

Provided below is a discussion of the results of the site's subsurface conditions, as noted during the subsurface investigation, which includes the results of the underground tank removal, and the soil and ground water analytical results.

4.1 Tank Removal

Once the tanks were removed, HRP examined the tanks, associated piping and tank grave for visible evidence of leaks (i.e. holes, cracks, staining, etc.). In addition, representative soil samples were subjected to a headspace analysis.

No obvious holes, cracks, or worn areas were noted during the visual inspection. However, based on HRP's review, it appeared that the western tank had not been completely backfilled from the 1991 tank abandonment activities, and that a small void was present at its underside. HRP noted elevated PID readings and odor exhibited by soils located beneath the western tank. Therefore, HRP supervised the removal of approximately 8 tons of soils in this area. Following the soil removal, the tanks' grave's walls and bottom were sampled. The analytical results are presented on Table 1 and the laboratory reports are included in Appendix C. In addition, photographs of the tank removal are included as Appendix G.

As seen in Table 1, HRP compared the laboratory results to the NYSDEC STARS MEMO #1 Cleanup Guidance Values. The confirmatory soil sample results indicated that no STARS VOCs were detected above the laboratory detection limits in any of the samples. However, several STARS semi-VOCs, (Benzo (a)-anthracene, Benzo (a) pyrene, Benzo (b) Fluoranthene, Benzo (g,h,i) perylene, Fluoranthene, Phenanthrene, and Pyrene) were detected in the UST-west sample above the STARS guidance values for these compounds. In addition, Benzo (a)-anthracene, Benzo (a) pyrene, Benzo (g,h,i) perylene were detected above the STARS guidance values for these compounds in the UST-North sample. Also, Benzo (b)-Fluoranthene, and Fluoranthene were detected in the UST-East sample above STARS guidance values for these compounds.

In addition to the STARS parameters, soil samples were also analyzed for

lead by mass analysis. The lead results indicated that one sample, UST-West, exhibited lead at 690 mg/kg, which slightly exceeds the site background threshold for lead in an urban setting (500 mg/kg.)

No petroleum hydrocarbons were detected in the stockpiled soil sample.

4.2 Soils and Vadose Zone

The soil sample analytical results are summarized in Table 2, while the laboratory report forms are included in Appendix H. HRP compared the laboratory results to the NYSDEC STARS MEMO #1 Cleanup Guidance Values, which provides a basis for determining, soil cleanup levels.

As indicated in Table 2, no STARS VOCs were detected above STARS cleanup guidance values in any of the analyzed samples. However, trace levels of toluene was detected in each sample, ranging from 1.8 to 7.2 μg/kg. In addition, no STARS semi-VOCs were detected above STARS cleanup guidance values in seven of the eight samples analyzed for STARS semi-VOCs. However, four semi-VOC compounds were detected in GF-6, 12'-14', above the STARS cleanup guidance values, including Benzo (a) pyrene, Benzo (b) fluoranthene, Chrysene, and Fluoranthene. GF-6 is located at the southwestern perimeter of the former UST area on-site.

The source of the low levels of semi-VOC compounds is unknown, however, the site was reportedly a service station for many years, and likely utilized petroleum products that contained these compounds. In addition, fill was noted within the soil borings installed on-site. The fill or the historic site uses are the likely sources of the elevated semi-VOCs noted in GF-6.

The results of the two samples analyzed for the eight RCRA metals (GF-6, 2'-4', and GF-8, 2'-4') indicated that six metals (As, CD, Cr, Hg, Se, and Ag) were below the laboratory detection limits. The results of the two remaining metals, barium and lead, indicated that both metals were detected within Eastern US background levels for an urban setting.

4.3 Ground water

The ground water sample analytical results are summarized in Table 3, while the laboratory report forms are included in Appendix I. HRP compared the laboratory results to the NYSDEC's Ground Water Quality Standards (GWQS).

As indicated in Table 3 each of the analyzed constituents was below the laboratory detection limits for both STARS 8021B and 8270C compounds.

In addition, the results of the lead analyses indicated that each sample was below the GWQS for lead. Therefore it appears that the site's historical operations have not adversely impacted the site's ground water.

5.0 Findings and Conclusions

5.1 Findings

5.1.1. Introduction/Purpose

HRP has completed this Site Investigation/Remedial Alternatives Report (SI/RAR) for the City of Glens Falls of the site located at 30-34 Ridge Street in Glens Falls, New York. The purpose of the investigation was to determine if the site's historical use as a gasoline filling station adversely impacted the site's soils and/or ground water.

5.1.2. Tasks

The SI/RAR included conducting a ground penetrating radar survey (GPR), the removal of two 1,000-gallon underground storage tanks, the installation of eight (8) soil borings and four (4) Installation, and the collection and analysis of representative soil and ground water samples within identified areas of concern.

5.1.3 UST/Soil Removal

During the removal of the on-site underground storage tanks, a gasoline odor was exhibited by the soils beneath the western tank. Therefore, HRP supervised the removal of approximately 8 cubic yards of soil from the tank grave. The soils were then hauled off-site for disposal.

5.1.4 Confirmatory Soil Sampling

The confirmatory soil sample results from the former UST area indicated that no STARS VOCs were detected above the laboratory detection limits in any of the samples. However, several STARS semi-VOCs were detected in the soil samples collected within the tank grave (UST-North, UST-East, and the UST-West) above STARS guidance cleanup values. The source of the semi-VOCs detected in the former tank grave is unknown, however, possible sources include noted fill materials and historic on-site operations. The degree and extent appears to be limited.

5.1.5 Soil Sampling

The results of the soil sample analytical results indicated that no STARS VOCs were detected above STARS cleanup guidance values in any of the analyzed samples. However, four semi-VOC compounds were detected in GF-6, 12'-14', above the STARS cleanup guidance values. GF-6 is located at the southwestern perimeter of the former UST area on-site. The source of the low levels of semi-VOC compounds is unknown, however, the site was reportedly a service station for many years, and likely used petroleum products contained in these compounds. In addition, fill was noted within the soil borings installed on-site. It is possible that the fill or the historic site uses are the source of the semi-VOCs noted in GF-6.

5.1.6 Ground Water Sampling

The results of the ground water sampling indicated that each of the analyzed constituents was below the laboratory detection limits for both STARS 8021B and 8270C compounds and lead. Therefore it appears that the site's historical operations have not adversely impacted the site's ground water.

5.1.7 Ground Water Flow Direction

Based on HRP's ground water survey, conducted in December 2000 and April 2001, ground water flow direction in the on-site overburden aquifer is to the west-northwest. In addition, based on discussions with the City of Glens Falls Water Department, no known drinking water wells are located within 0.5 miles of the subject site.

5.2 Conclusions

5.2.1 Nature and Extent of Contamination

Based on HRP's review of the data collected to date, it appears that a limited amount of soil impacted with semi-volatiles remains on-site. The impacted soil is located in the vicinity of the former UST grave, and soil boring GF-6, at depths ranging from five feet (UST-W sample depth) to 14 feet (GF-6 sample depth). Since these compounds are typically immobile and were not detected in other soil borings or on-site ground water samples, HRP would expect that the extent of the soil contamination is limited to the vicinity of GF-6, and the western portion of the former tank grave.

5.2.2 Recommended Remedial Action

Since the semi-volatile impacted soils noted on-site appear limited, and ground water does not appear to have been adversely impacted, HRP does not recommend any remedial action at this time. However, should future site use change (proposed use for paved parking lot), then remedial action may be warranted at that time.

TABLE 1
Summary of Confirmatory Soil Sample Results
Former USTs
30-34 Ridge Street
Glens Falls, New York

Parameter	Soil Sample ID						NYS DEC Guidance Value
	UST-B1 (5 ft bg)	UST-B2 (5 ft bg)	UST-S (5 ft bg)	UST-N (5 ft bg)	UST-W (5 ft bg)	UST-E (5 ft bg)	
PID Readings	0.4	0.2	0.2	1.0	0.2	0.2	NA
Benzo (a)-anthracene	<400	<400	<400	**390**	**1000**	<10,000	0.04
Benzo(a)-pyrene	<400	<400	<400	**500**	**1600**	<10,000	0.04
Benzo(b)-Fluoranthene	<400	<400	<400	<2000	**2000**	**1000**	0.04
Benzo(g,h,l) Perylene	<400	<400	<400	**470**	**1100**	<10,000	0.04
Fluoranthene	<400	<400	<400	640	**3500**	**1100**	1,000
Indeno(1,2,3-cd)pyrene	<400	<400	<400	400	970	<10,000	1,000
Phenanthrene	<400	<400	<400	400	**2900**	<10,000	1,000
Pyrene	<400	<400	<400	520	**2500**	<10,000	1,000
Toluene	5.6	BDL	2.0	3.1	BDL	BDL	100
Pb	<10	20	<10	250	**690**	190	SB*

Notes
Exceedences in **Bold**
Bg-below grade
BDL-Below Detection Limit
PID readings taken via headspace analysis using Hnu with 10 eV bulb, recorded in ppm.
All other STARS VOCS and Semi-VOCS not reported on Table 1 were below detection limits
STAR VOCs and Semi-VOCs reported in µg/kg (ppb).
Pb= Lead by Mass analysis, in mg/kg (ppm).
NA = Not Applicable
* No cleanup objective established for lead. In Eastern US, urban setting, Site Background (SB) for lead ranges from 200-500 ppm.

TABLE 2
Summary of Soil Sample Results

30-34 Ridge Street
Glens Falls, New York

Parameter	Soil Sample ID									NYS DEC Recommended Guidance Value
	GF-6 (2'-4')	GF-6 (4'-6')	GF-6 (12'-14')	GF-7 (12'-14')	GF-8 (2'-4')	GF-9 (10'-12')	GF-11 (4'-6')	GF-11 (8'-10')	GF-12 (6'-8')	
Benzo(a) pyrene	NA	<400	**420**	<400	<400	<400	<400	<400	<400	0.04
Benzo(b) fluoranthene	NA	<400	**610**	<400	400	<400	<400	<400	<400	0.04
Chrysene	NA	<400	**540**	<400	<400	<400	<400	<400	<400	0.04
Fluoranthene	NA	<400	**1,100**	<400	630	<400	<400	<400	<400	1,000
Phenanthrene	NA	<400	760	<400	410	<400	<400	<400	<400	1,000
Pyrene	NA	<400	870	<400	500	<400	<400	<400	<400	1,000
Benzene	NA	BDL	BDL	BDL	6.3	BDL	5.6	BDL	BDL	14
Ethylbenzene	NA	5.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100
Toluene	NA	1.8	1.6	2.1	7.2	2.7	3.4	BDL	1.8	100
Barium	30	NA	NA	NA	170	NA	NA	NA	NA	300 or SB*
Lead	10	NA	NA	NA	420	NA	NA	NA	NA	SB**

STAR VOCs and Semi-VOCs reported in µg/kg, metals reported in mg/kg.
NA = Not analyzed.
BDL = Below Detection Limit
* Recommended Soil Cleanup Objective, from Table 4, NYSDEC Technical Assistance Guidance Memorandum 4046 (January 1994), SB-site background for Barium in Eastern US is 15-600 ppm
** No cleanup objective established for lead, in Eastern US, urban setting, SB for lead ranges from 200-500 ppm.

HRP Associates, Inc.

TABLE 3
Summary of Ground water Sample Results

30-34 Ridge Street
Glens Falls, New York

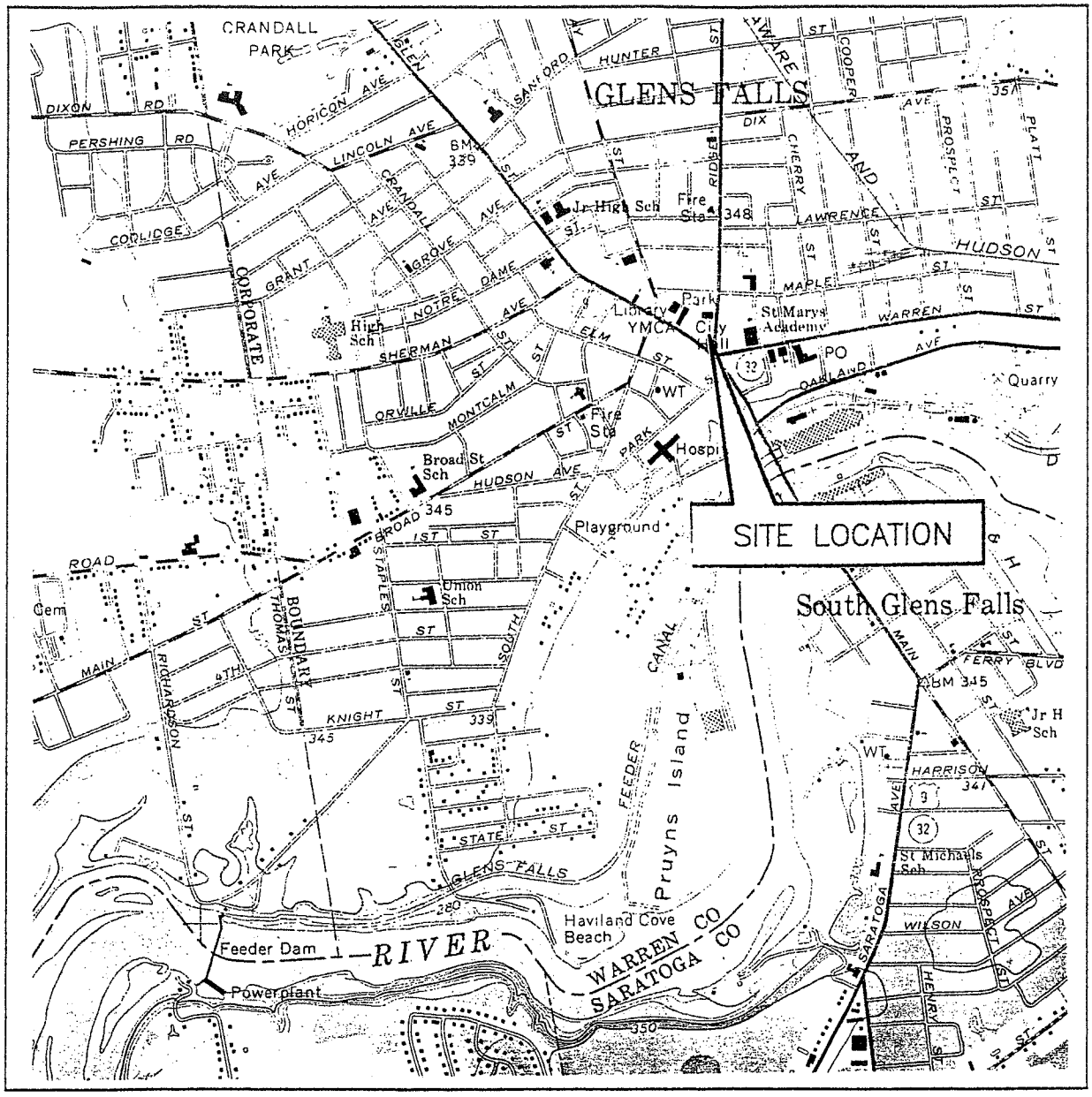
Parameter	Ground water Sample I.D.				NYS Ground water Quality Standard
	MW-1	MW-2	MW-3	MW-4	
STARS 8021B (all)	BDL	BDL	BDL	BDL	*
STARS 8270C (all)	<10	<10	<10	<10	**
Lead	1.2	0.2	0.3	0.8	25

All STARS results reported as µg/l (ppb)
Lead results reported in mg/l (ppm)
* Standard for all compounds is 5 µg/l, except benzene, which is 0.7 µg/l.
** Standard for these compounds vary from

TABLE 4
Summary of Ground water Elevation Survey
30-34 Ridge Street
Glens Falls, New York

Monitoring Well ID	Depth to ground water (fbmp)		Measuring point elevation	Ground water elevation	
	12/8/00	4/2/01		12/8/00	4/2/01
MW-1	13.74	13.67	100.61	86.87	86.94
MW-2	12.23	11.77	99.87	87.64	88.10
MW-3	12.55	12.13	100.14	87.59	88.01
MW-4	13.02	12.81	99.91	86.89	87.10

Fbmp- feet below measuring point (brass rim)



SCALE 1 : 24000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

CONTOUR INTERVAL 10 FEET

N

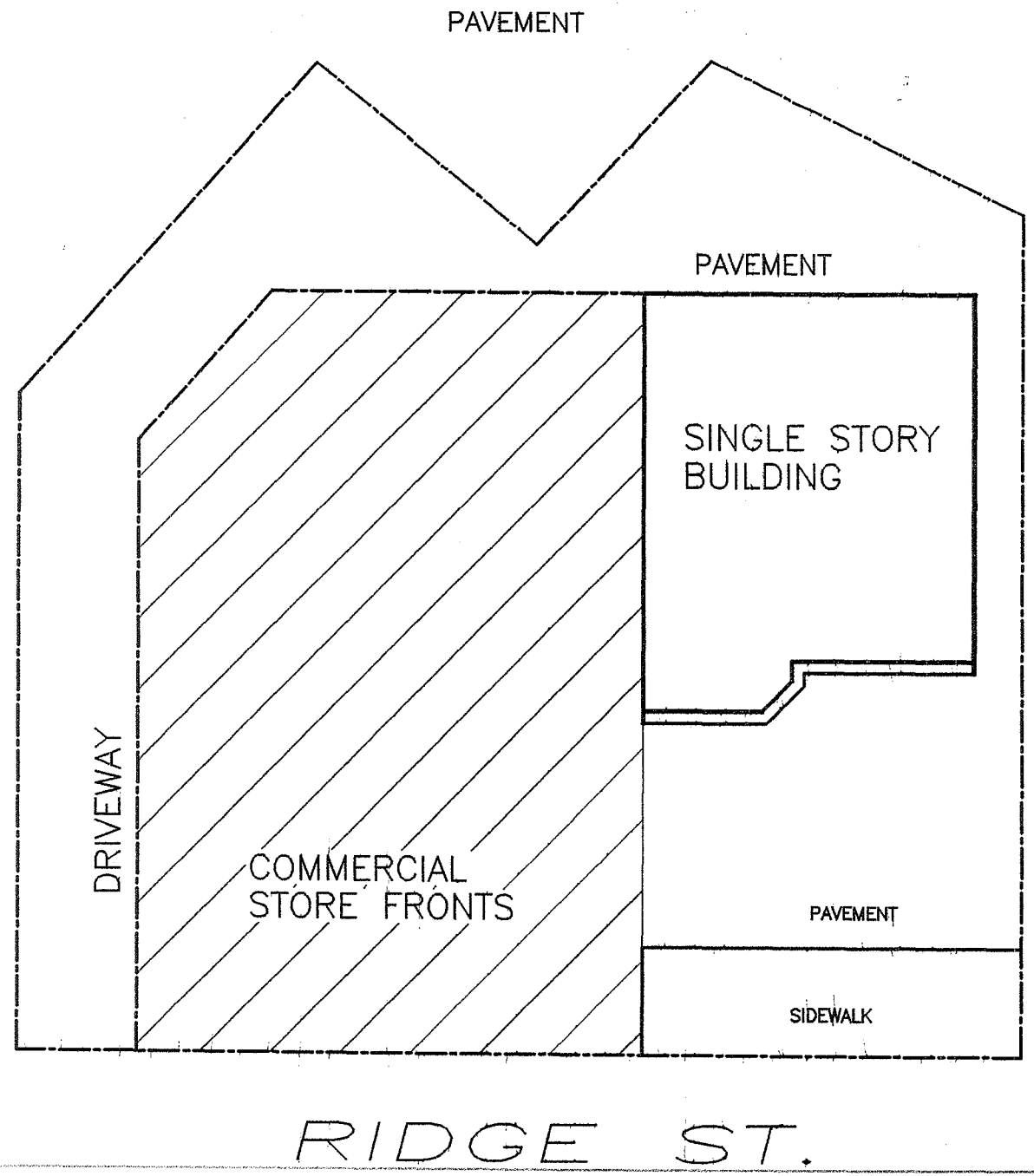
NEW YORK

GLENS FALLS, N. Y.
SW/4 GLENS FALLS 15' QUADRANGLE
N4315—W7337.5/7.5

1966

FIGURE 1
SITE LOCATION
30-34 RIDGE STREET
GLENS FALLS, NEW YORK

HRP Associates, Inc.



CITY HALL

NOTES

ALL SITE FEATURES AND UTILITY LOCATIONS ARE APPROXIMATE.

DRAWING NOT TO SCALE

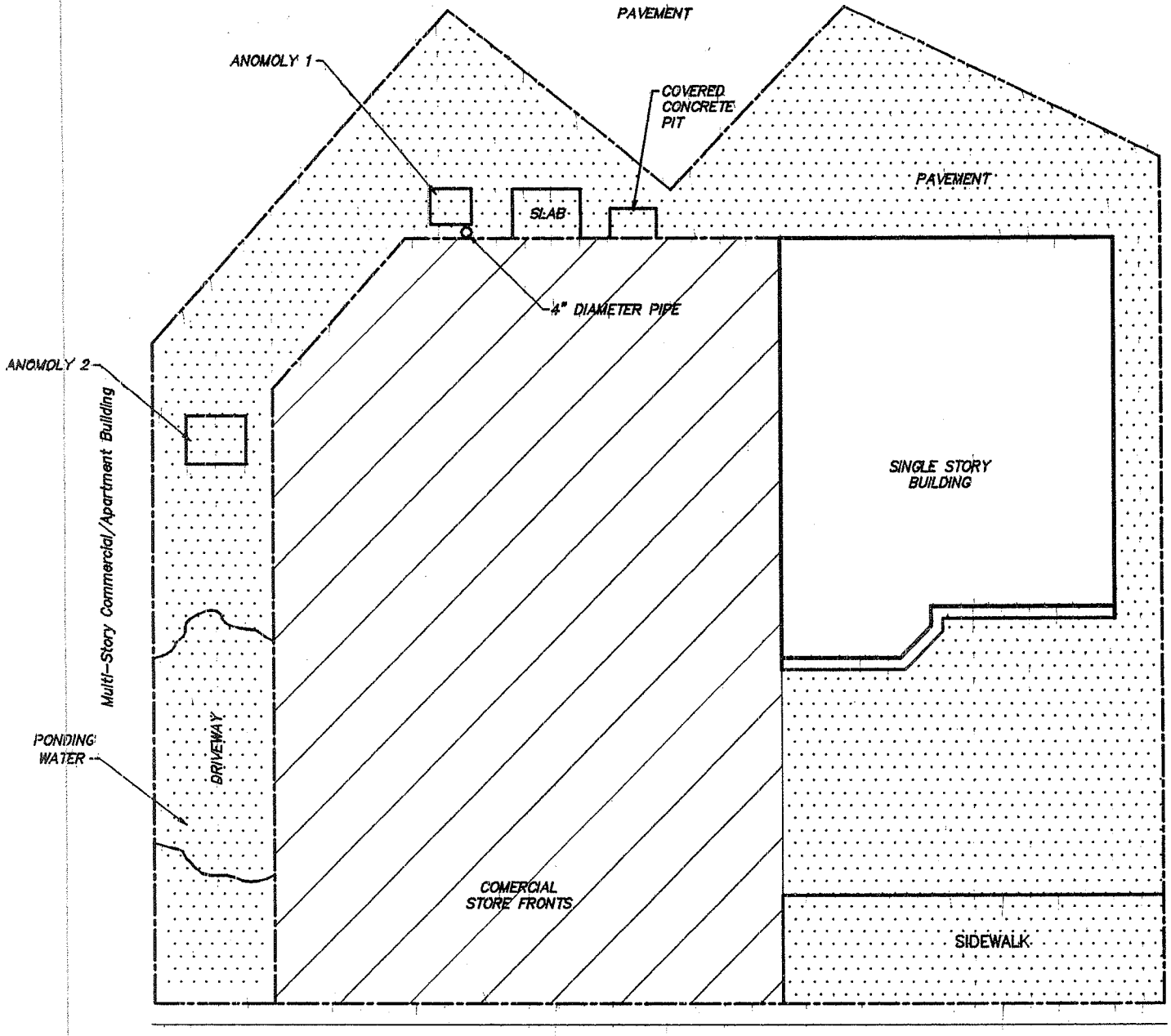
HATCHED AREA NOT PART OF PROPERTY.

FIGURE 2
SITE PLAN
RIDGE STREET BROWNFIELD
30–34 RIDGE ST.
GLENS FALLS, N.Y.
HRP# GLE6000.P2

L:\DWG\GLE6000P2\FIGURE2

Multi–story Commercial/Apartment Building

HRP Associates, Inc.



North

CITY HALL

NOTES

ALL SITE FEATURES AND UTILITY LOCATIONS ARE APPROXIMATE.
DRAWING NOT TO SCALE
HATCHED AREA NOT PART OF PROPERTY.

LEGEND

GPR SURVEY AREA

FIGURE 3
GPR SURVEY LOCATION MAP
30–34 RIDGE ST.
GLENS FALLS, N.Y.

L:\DWG\OLE8000P2\FIGURE3

HRP Associates, Inc.

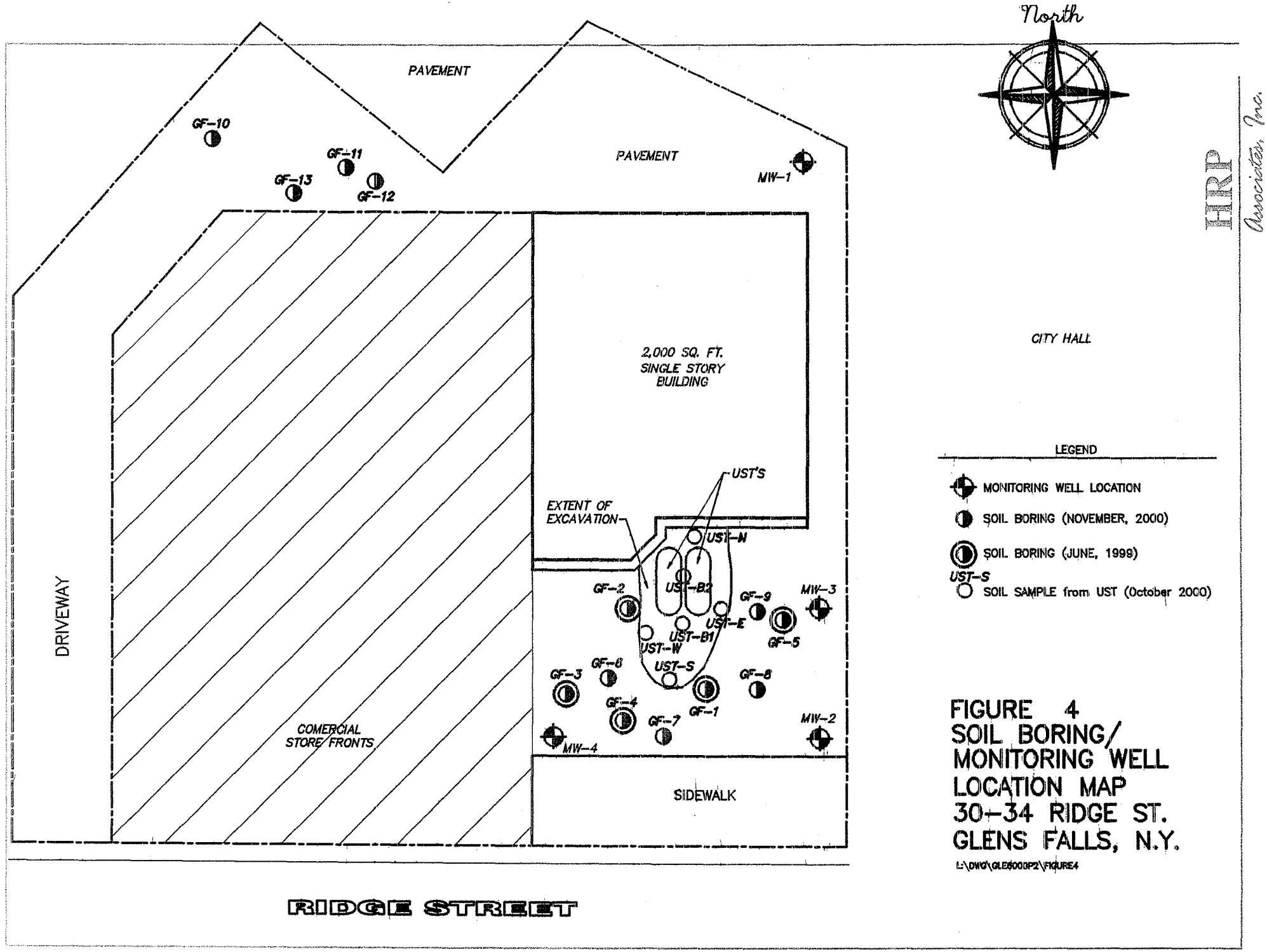
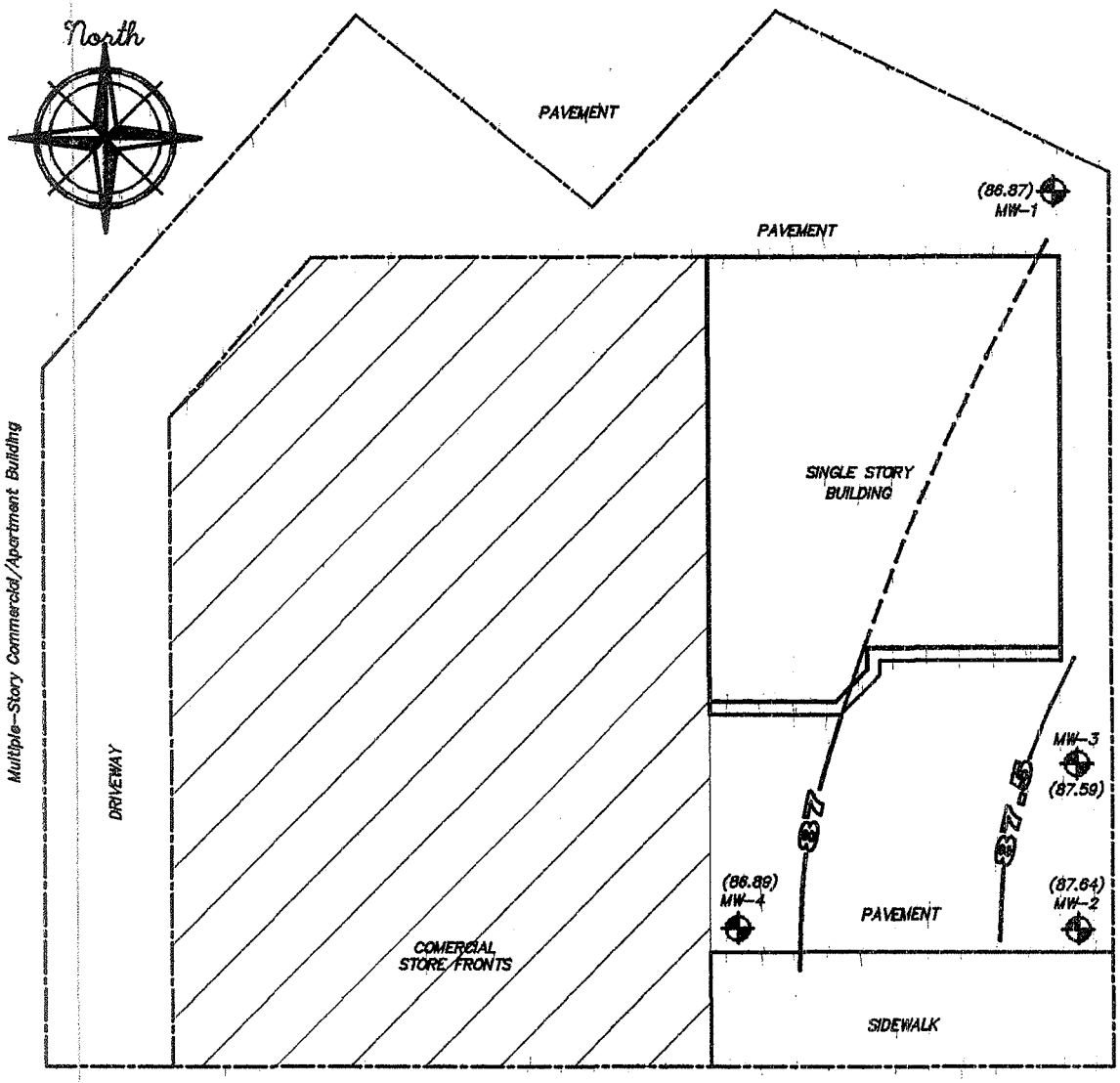
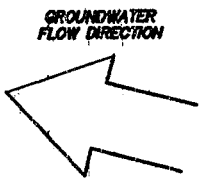


FIGURE 4
SOIL BORING/ MONITORING WELL LOCATION MAP
30-34 RIDGE ST. GLENS FALLS, N.Y.

L:\DWG\GLE6000P2\FIGURE4





CITY HALL

LEGEND

MW-3 – MONITORING WELL

87 – GROUNDWATER CONTOUR

(87.59) – GROUNDWATER ELEVATION (RECORDED 12/8/00)

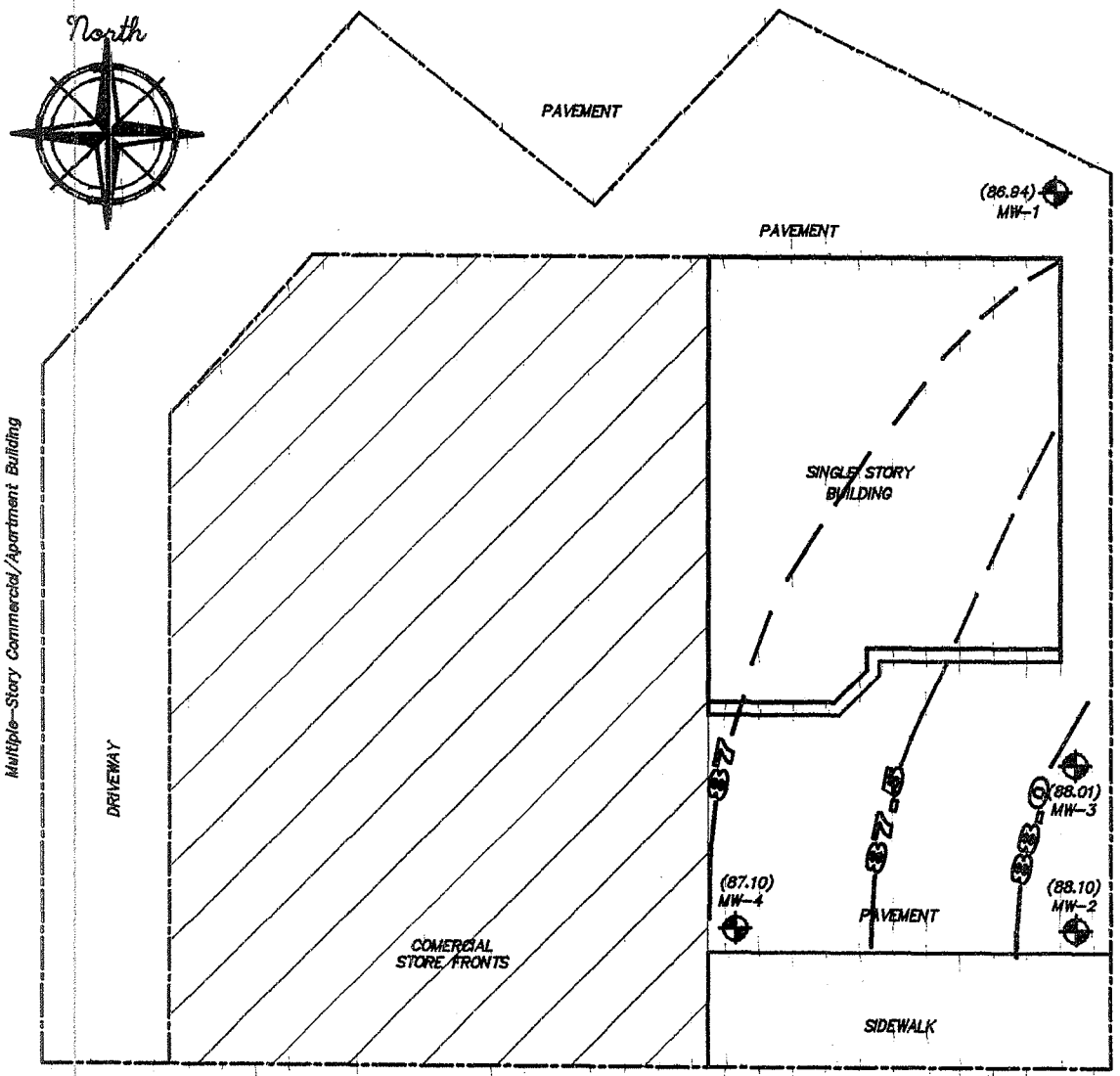
NOTES
ALL SITE FEATURES AND UTILITY LOCATIONS ARE APPROXIMATE.
DRAWING NOT TO SCALE
HATCHED AREA NOT PART OF PROPERTY.

FIGURE 5
GROUNDWATER CONTOUR MAP
DECEMBER 8, 2000
RIDGE STREET BROWNFIELD
30–34 RIDGE ST.
GLENS FALLS, N.Y.
HRP# GLE6000.P2 – TASK 6

L:\DWG\GLE6000P2\FIGURES

Multiple–Story Commercial/Apartment Building

HRP Associates, Inc.



GROUNDWATER FLOW DIRECTION

CITY HALL

Multiple-Story Commercial/Apartment Building

LEGEND

MW-3 – MONITORING WELL

87 – GROUNDWATER CONTOUR

(87.59) – GROUNDWATER ELEVATION (RECORDED 4/2/01)

NOTES

ALL SITE FEATURES AND UTILITY LOCATIONS ARE APPROXIMATE.
DRAWING NOT TO SCALE
HATCHED AREA NOT PART OF PROPERTY.

FIGURE 6
GROUNDWATER CONTOUR MAP
APRIL 2, 2001
RIDGE STREET BROWNFIELD
30-34 RIDGE ST.
GLENS FALLS, N.Y.
HRP# GLE6000.P2 – TASK 6

L:\DWG\GLE6000P2\FIGURES

HRP Associates, Inc.

APPENDIX A

PREVIOUS INVESTIGATIONS

HRP ASSOCIATES, INC.
Environmental/Civil Engineering & Hydrogeology June 23,1999

Mr. James Thatcher
Avalon Associates, Inc.
P.O. Box 746
333 Glen Street
Glens Falls, New York 12207

RE: LIMITED SUBSURFACE INVESTIGATION, 30-34 RIDGE STREET, GLENS FALLS, NEW YORK

Dear Mr. Thatcher

In June 1999 HRP Associates, Inc. completed a limited subsurface investigation of the property located a 30-34 Ridge Street, Glens Falls, New York. The purpose of the preliminary evaluation was to determine the potential impact of the site's historical activities upon the underlying soils and groundwater. The remainder of this letter details the site's history, the site investigation, analytical results, conclusions, and recommendations regarding 30-34 Ridge Street. The site location and layout are noted on Figures 1 and 2, respectively.

Site Description

The 0.1± acre site, located in a densely developed downtown section of Glens Falls, is currently occupied by an abandoned 2,000 ft^2± building. The site is bounded to the east by Glens Falls City Hall, to the south by Ridge Street, to the west by a multi-level commercial/residential building and to the north by a parking lot and several multi-level commercial/residential buildings. The entire site is developed with either the building or pavement.

Site History

Currently, the site is occupied by an abandoned 2,000 ft^2± building that was reportedly constructed in 1950. Historically, the site was developed in the late 1800s and was redeveloped several times throughout its history and occupied by a variety of tenants including:

- Ridge Street Engine House (1918-1935)
- Amoco Service Station (1935-1968)
- Vacant (1968-1975)
- Pizzeria (Omni & Pope) (1975-1993)

Of particular note, the 1961 Sanborn Fire Insurance Map indicated that two underground gasoline tanks were located immediately to the east of the on-site building. Further, according to the NYSDEC Spill Report #8906152, two 1,500-gallon underground gasoline tanks were cleaned and abandoned in place (filled with concrete) in May 1991. The Spill report also noted that during the tank's abandonment "petro/chemical smells and a high reading were noted on a sniffer/explosimeter by the Glens Falls Fire Department." No further information was available regarding the potential presence of additional on-site

tanks or the condition of the site's soils or groundwater. The Sanborn Map and Spill Report are included as Attachment #1.

Field Activities

In order to evaluate the potential impact of the underground tanks upon the site, HRP completed a limited subsurface investigation on June 18, 1999. The subsurface investigation consisted of the installation of five soil borings (referred to as GF-1 through GF-5) and the collection of two-grab groundwater samples using vibratory push techniques (Geoprobe®). The boring locations are shown on Figure 2.

During the boring installation, soil samples were collected continuously to a depth of 15 feet in four-foot intervals using a 1 ¾" I.D. stainless steel macrocore sampler. Each soil sample was collected in a new, dedicated acetate liner to ensure the sample's integrity.

The collected soil samples were reviewed in the field for physical evidence of contamination (i.e. odor and staining), placed in glass containers equipped with teflon-lined lids, labeled, and stored in a cooler for preservation. In addition, each soil sample was measured for the presence of total volatile organic compounds (VOCs) using an HNu® photoionization detector (PID) equipped with a 10.2 eV bulb by placing a portion of each sample in a separate jar. Upon opening the jar, the PID's sampling probe was placed directly over the freshly opened soil sample to evaluate the presence of VOCs in the sample. The results of PID readings are summarized on the boring logs, which are included in Attachment #2.

Based upon a review of the collected samples, HRP selected and submitted two soil samples to a state-certified laboratory for analysis of the presence of volatile organics via EPA Method 8021B (typical constituents of gasoline and solvents).

In addition to collecting soil samples, HRP also collected two grab groundwater samples from borings GF-2 and GF-5. The grab groundwater samples were collected by advancing a mill slot sampler, (a stainless steel screen within a stainless steel sleeve, that is attached to the head of the probe) into the groundwater. A length of dedicated, clean Tygon® tubing was lowered into the mill slot sampler, and attached to a peristaltic pump. After allowing the groundwater to pump for several minutes, groundwater samples were collected within appropriate sample containers, labeled and placed on ice in a cooler. The groundwater samples were analyzed for the presence of volatile organics via EPA Method 8021B. In addition, grab groundwater sample GF-5 was analyzed for the presence of lead.

Findings

Lithology

In general below the pavement and gravel sub base, the site's lithology consisted of a tan to brown fine sand to a depth of 12 feet. Below 12 feet a dark brown coarse to medium sand was noted. The soil boring logs can be found in Attachment #2.

Observations

In general, during the installation of the borings no odors or elevated PID readings were noted within borings GF-1, GF-3 and GF-4. However, petroleum-like odors and elevated PID readings were observed in borings GF-2 and GF-5 at a depth of 12 feet below grade and deeper. Above 12 feet below grade no odors or PID readings were noted in borings GF-2 and GF-5.

During the collection of the grab groundwater samples, an odor and sheen was noted on the grab groundwater sample collected from boring GF-2. However, no odors or sheen was noted on the grab groundwater sample collected from GF-5.

Analytical Results

Based upon a field review HRP selected and submitted two soil samples (GF-2, 13.9'-14.4' and GF-5, 14') and two grab groundwater samples (GF-2 and GF-5) to a state certified laboratory for analysis of volatile organics via EPA Method 8021B. In addition, groundwater sample GF-5 was also analyzed for the presence of lead. The soil and grab groundwater sample analytical results are summarized in Table 1 and 2, respectively. The laboratory report forms are included as Attachment #3.

As indicated in Table 1, soil sample GF-2, 13.9' – 14.4', exhibited low levels of 1,2,4-Trimethylbenzene, isopropyltoulene and n-butylbenzene that exceeded the NYSDEC Clean-up Guidance Values published within the NYSDEC STARS Memo #1 Petroleum-Contaminated Soil Guidance Policy.

As indicated in Table 2, grab groundwater samples GF-2 and GF-5 exhibited low levels of Methyl-tertiary-butyl-ether (MTBE) that exceeded the NYSDEC Ambient Groundwater Quality Standards (AWQS). In addition, GF-5 exhibited trace levels of several other volatile organic compounds that exceeded the AWQS.

Conclusions

Based upon our Limited Phase II investigation at the site, HRP offers the following conclusions:

- In May 1991, two 1,500-gallon underground gasoline tanks were abandoned in place. Reportedly, during the tank abandonment "petro/chemical smells and a high reading were noted on a sniffer/explosimeter by the Glens Falls Fire Department." No further information was available regarding the potential presence of additional on-site tanks or the condition of the site's soils or groundwater.

- On June 18,1999, HRP installed five soil borings and collected two grab groundwater samples from the borings. Based upon field review HRP selected two soil and two grab groundwater samples and submitted them to a state-certified laboratory for analysis of volatile organics via EPA Method 8021B. In addition, one of the groundwater samples was analyzed for the presence of lead.

- Based on the analytical results and HRP's observations, it appears that residual petroleum soil contamination which exceeds applicable NYSDEC guidance values remains in the vicinity of the abandoned underground tanks at a depth of 12 feet and greater. Additionally, based on the groundwater analytical results, it appears that limited groundwater contamination that exceeds NYSDEC standards exists in the vicinity of the abandoned tanks. However, the degree and extent of the soil and groundwater contamination at the site has not been defined at this time.

Recommendations

Since low levels of groundwater and soil contamination were detected in the vicinity of the abandoned underground gasoline tanks, HRP recommends that additional subsurface investigations be conducted to determine the degree and extent of soil and groundwater contamination.

If you have any questions regarding this proposal, please do not hesitate to contact HRP Associates, Inc. at (518) 399-1174.

Sincerely,
HRP ASSOCIATES, INC.

Thomas S. Seguljic, P.E.
Project Manager

TSS
(p/glensfallslimited inv)

Table 1
Summary of Soil Sample Results
30-34 Ridge Street
Glens Falls, New York

Parameter	Soil Sample I.D.		NYS DEC Clean-up Guidance Value*
	GF-2 13.9'-14.4'	GF-5 14'	
MTBE	ND	ND	1,000
Benzene	ND	ND	14
Toluene	ND	ND	100
Ethylbenzene	ND	7,180	100
Xylene M&P	ND	1,675	100
xylene 0	ND	310	100
n-Propylbenzene	ND	4,300	100
1,3,5- Trimethybenzene	ND	15,700	100
tert – Butylbenzene	ND	4,330	100
1,2,4 – Trimethylbenzene	1,575	34,575	100
sec – Betylbenzene	ND	1,080	100
4 – Isopyltoulene	2,700	4,075	100
n – Butylbenzene	1,750	ND	100

All results reported as ppb.
ND-Not Detected above laboratory detection limit.
*Values as published within NYSDEC's STARS Memo #1
Petroleum-Contaminated Soil Guidance Policy

HRP

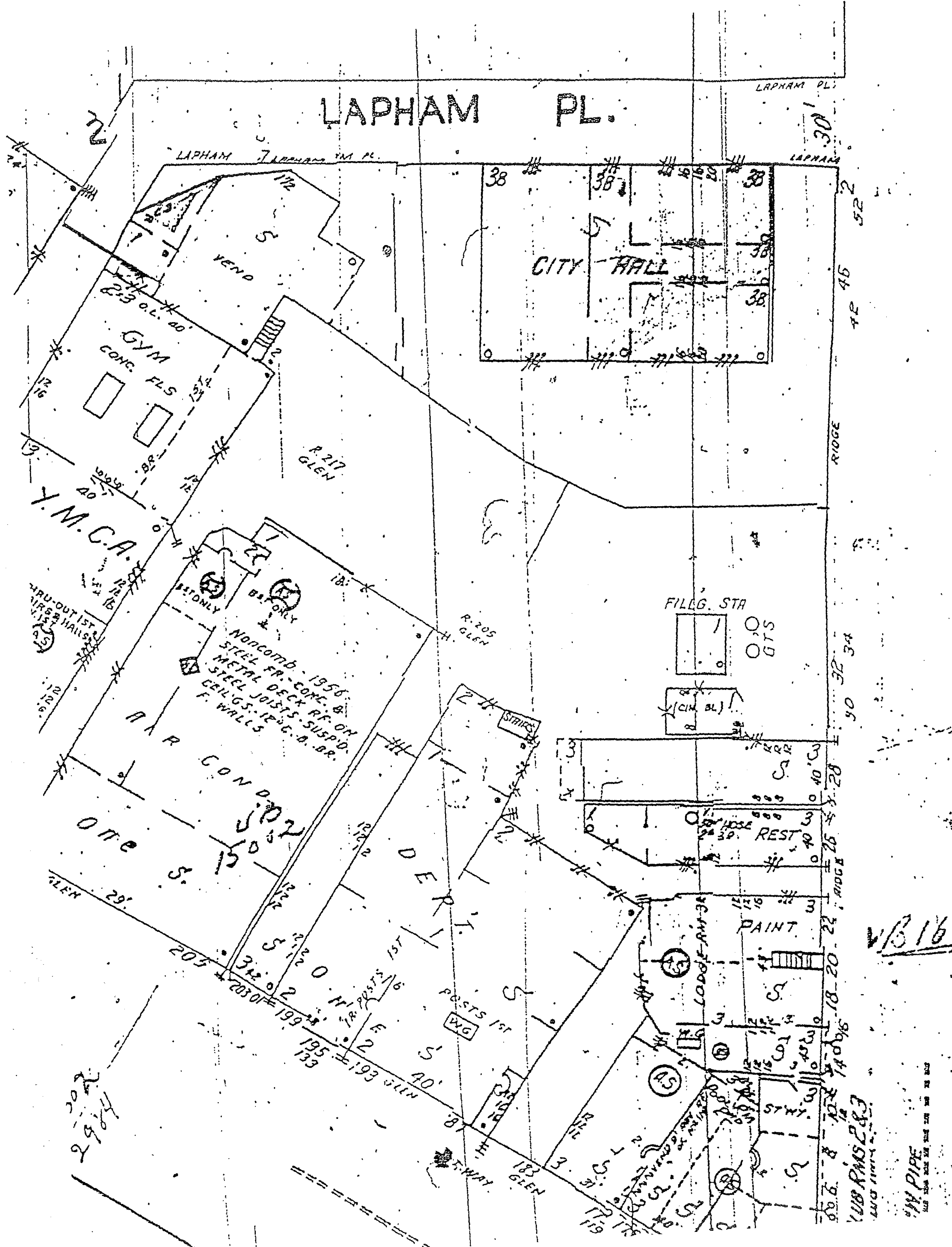
Table 2 Summary of Grab Groundwater Sample Results 30-34 Ridge Street Glens Falls, New York			
Parameter	Grab Groundwater Sample I.D.		NYSDEC Ambient Water Quality Standards
	GF-2	GF-5	
MTBE	1,096	146.0	50
BENZENE	ND	<0.5	0.7
TOLUENE	ND	4.7	5
ETHYLBENZENE	ND	11	5
M&P XYLENE	ND	33	5
O XYLENE	ND	5.7	5
ISOPROPYLBENZENE	ND	20.0	5
N-PROPYLBENZENE	ND	56.0	5
1,3,5 – TRIMETHYLBENZENE	ND	270.0	5
TERT - BUTYLBENZENE	ND	74.0	5
SEC - BUTYLBENZENE	ND	18.0	5
4 - ISOPROPYLTOLUENE	ND	64.0	5
N - BUTYLBENZENE	ND	21.0	5
1,2,4 – TRIMETHYLBENZENE	ND	287	5
LEAD (mg/l)	NT	2.11	0.05

All results reported as ppb except lead.
ND-Not Detected above laboratory detection limit.
NT- Not Tested

HRP

ATTACHMENT 1

HRP



LAPHAM PL.
LAPHAM
CITY HALL
GYM
CONC. FLS
Y.M.C.A.
VEND
R. 217 GLEN
R. 205 GLEN
Noncomb. 1956
STEEL FR. CONC. &
METAL DECK RF. ON
STEEL JOISTS. SUSP'D.
CEILGS. 12" C.B. BR.
F. WALLS
AIR COND.
One S.
DEPT.
STORE
FILLG. STA
GTS
HOSE
REST
PAINT
RIDGE
ST'WY.
193 GLEN
183 GLEN
GLEN

NYSDEC SPILL REPORT FORM

DEC REGION: 5 (Saratoga) SPILL NUMBER: 9806152
SPILL NAME: POPES PIZZA PARLOR DEC LEAD: SUSJ
CALLER'S NAME: THOMAS DONAHUE NOTIFIER'S NAME:
CALLER'S AGENCY: GLENS FALLS FD NOTIFIER'S AGENCY:
CALLER'S PHONE: (518) 761-3822 EXT. NOTIFIER'S PHONE: EXT.

SPILL DATE: 09/21/98 TIME: 10:00
CALL RECEIVED DATE: 09/21/98 TIME: 13:30 RECEIVED BY CID #:

Material Spilled	Mat. Class	Am't Spilled	Units	Am't Recovered
1) UNKNOWN PETROLEUM	(Pet)-Haz-Other-Unk.	Unknown	(Gal) Lbs	Unknown
2)	Pet-Haz-Other-Unk.		Gal - Lbs	
3)	Pet-Haz-Other-Unk.		Gal - Lbs	
4)	Pet-Haz-Other-Unk.		Gal - Lbs	

SPILL LOCATION

PLACE: POPES PIZZA PARLOR
STREET: 32 RIDGE STREET
T/C/V: GLENS FALLS CO: WARREN
CONTACT: THOMAS DONAHUE, CHIEF
PHONE: (518) 761-3822 EXT.

POTENTIAL SPILLER

NAME: PAUL AMATO, SR.
STREET: 201 NO. GULF DRIVE
CITY: BRANDENTON BEACH
STATE: FL ZIP: 34217
CONTACT: PAUL AMATO
PHONE: (813) 798-0771 EXT.

SPILL CAUSE

Human Error	Tank Test Failure*	(Tank Failure)
Traffic Accident	Housekeeping	Tank Overfill
Equipment Failure	Deliberate	Other
Vandalism	Abandoned Drums	Unknown

SPILL SOURCE

Gas Station	(Private Dwelling)	Non-Maj Facility
Passenger Vehicle	Vessel	Commercial
Comm. Vehicle	Railroad Car	Non-Commercial
Tank Truck	Major Facility	Unknown

RESOURCE AFFECTED

(On Land)	Groundwater	Air
In Sewer	Surface Water**	

**WATERBODY:

SPILL REPORTED BY

Responsible Party	Tank Tester	Local Agency
Affected Persons	DEC	Federal Gov't
(Police Department)	Citizen	Other
Fire Department	Health Dept.	

CALLER REMARKS: ABANDONED TANK UNDER PARKING LOT. FILL PIPE EXPOSED @ SURFACE. PETRO/CHEMICAL SMELL. HIGH READINGS ON SNIFFER/EXPLOSIMETER BY GLENS FALLS FD.

PBS Number	Tank Number	Tank Size	Test Method	Last Date

PRIMARY CONTACT CALLED DATE: TIME: hrs. REACHED DATE: TIME: hrs.
SECONDARY CONT. CALLED DATE: TIME: hrs. FAXED BY CID#:

PIN # 98306	T & A 8254	Cost Center 90993067--39	SR to Central Office	08/19/91
Cleanup Ceased 08/03/91	Meets Stds YES	Last Inspection		Penalty NO
RP-CUI	ENF-INST	INV2B-COM	CAP	
UST Trust Eligible YES	Site: A (B) C D E	Resp. Party 1 (2) 3 4 5 6	Neg Close Date	08/03/91

Created on 09/25/98 Last Updated on 03/23/99 Is Updated? YES EDD DATA INPUT [ ]
Date Printed: 03/23/99

Spill Number: 9906152 Spill Name: POPES PIZZA PARLOR Printed on: 03/23/99

DEC REMARKS

09/21/89: DOMERMUETH PUMPED OUT APPROXIMATELY 1300 GALLONS.

09/22/89: POSSIBLY 2 UST, ORIGINAL BUILT AS GAS STATION 1938, PIZZA SINCE 1971. LETTER TO BE SENT TO OWNER OF RESPONSIBILITY.

10/16/89: BUILT 1978 AS GAS STATION, CONVERTED TO STORE 1964, PIZZA 1971, ADDITION TO BUILDING 1974. STORE MANAGER PAUL AMATO JR. 518-792-7531.

05/03/91: M. BUSONE HIRED BY P. AMATO, TO REMOVE TANKS AND CONTAMINATION. ONCE EXPOSED, TWO 1500-GALLONS TANKS FOUND, ONE FULL OF WATER, OTHER 1/2 FULL OF PRODUCT, SAND AND WATER.

05/03/91: JET LINE ON SITE WITH VAC TRUCK, LIQUID REMOVED AND TANKS ABANDONED IN PLACE, FILLED WITH CONCRETE AFTER BEING CLEANED. TEST PIT DUG BELOW BOTTOM OF TANK, NO ODORS IN GROUNDWATER EVIDENT.

05/03/91: TANKS WERE ABANDONED IN PLACE BECAUSE THEY WERE TOO CLOSE TO THE FOOTER OF THE ADDITION.

RFC: NO FURTHER ACTION NECESSARY AT THIS TIME.

ATTACHMENT 2

Project Avalon - city of Glens Falls
HRP Job #
Contractor Zebra

HRP ASSOCIATES, INC.
ENGINEERING & GEOLOGY
DRILLING LOG

Hole # GF-1
Well #
Sheet No. 1
Location infront of Bldg

Type: Casing — Sampler: Macro core — Core Barrel —
I.D. 1.75"

Hammer (wt/Fall) 140/30
300/24 NA
Rig Type Geoprobe

Start 6/18
Finish "
Driller Javed
HRP Rep C. Babbie

Depth (ft)	Sampler Blows per 6"	Sample Interval	Recovery (ft)	Density or Consistency/ Moisture	Profile Change	Remarks (color, structure, grain size, staining, odor, PID)	PID (ppm)
0		0-4'	2'	Low/Dry	3'	Dark Grey Coarse GRAVELS; fill; No odor	0(3)
						Brown med-fine SAND; no odor	0(5)
5		4-8	3'9"	Low/Dry	9'	Same as above; no odor	0(5)
						Tan-brown fine SAND; no odor	0(3)
10		8-12	2'2"	Dry/moist		Tan-brown fine SAND; some larger layers of fine SAND; No odor	0(3)
		12-15	1'6"	Low/moist brown (14')		Dark Brown coarse-med SAND; No odor	0(3)
15						End of Boring Refusal Depth = 15'	
20						Collect Grab Groundwater Sample here	
25							
30							

GROUND WATER OBSERVATIONS

Depth	Date	Casing/Screen	Stabil. Time

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density
0-4very loose
5-9loose
10-29med. dense

Cohesive Consistence
0-2very soft
3-4 soft
5-8 m/stiff
9-15 stiff

PROPORTIONS

trace0 to 10%
little10 to 20%
some20 to 35%
and30 to 50%

Project Avalon - city of Glens Falls HRP Job # Contractor Zebra	**HRP ASSOCIATES, INC.** **ENGINEERING & GEOLOGY** **DRILLING LOG**	Hole # GF-2 Well # – Sheet No. 1 Location
Type: Casing ___ Sampler Macro core ___ Core Barrel ___ I.D. 1.75"	Hammer (wt/Fall) 140/30 300/24 Rig Type Geoprobe	Start 6/18 Finish 6/18 Driller Jared HRP Rep C. Bobbin / W. Jaggers

Depth (ft)	Sampler Blows per 6"	Sample Interval	Recovery (ft)	Density or Consistency/ Moisture	Profile Change	Remarks (color, structure, grain size, staining, odor, PID)	PID (ppm)
0		0-4'	3'	med/ Dry		Dark grey - black pavement, Gravel fill; No odor	0 (s)
					3'	Brown medium [illegible] SAND; No odor	
5		4-8	3'	Low/ Dry		Same; No odor	0(s)
					6	Tan-brown medium [illegible] SAND; No odor	0(s)
10		8-12'	3'6"	Low/ Dry		Same; No odor	0(s)
		12-15'	4'	low/moist to wet (~13.5')	13' 14'5"	Same; slight odor	5(s)
15						Dark Grey-black medium SAND; Stained petroleum odor	500(s)
						Brown medium-fine SAND; Moderate petroleum odor	[illegible](s)
20						End of boring Total Depth = 15' Collected grab groundwater sample [illegible] (groundwater - [illegible] black, sheen, odor)	
25							
30							

GROUND WATER OBSERVATIONS				SAMPLE PENETRATION RESISTANCE 140 lb. Wt. falling 30" on 2" O.D. Sampler		PROPORTIONS
Depth	Date	Casing/Screen	Stabil. Time	Cohesionless Density 0-4 very loose 5-9 loose 10-29 med. dense 30-49 dense	Cohesive Consistence 0-2 very soft 3-4 soft 5-8 m/stiff 9-15 stiff 16-30 v-stiff	trace 0 to 10% little 10 to 20% some 20 to 35% and 30 to 50%

Project Avalon – Glens Falls
HRP Job #
Contractor Zebra

HRP ASSOCIATES, INC.
ENGINEERING & GEOLOGY
DRILLING LOG

Hole # GF-3
Well #
Sheet No. 1
Location infront

Casing Sampler Core Barrel
Type — Macro —
I.D. Core 1.75"

Hammer (wt/Fall) 140/30
300/24
Rig Type Geoprobe

Start 6/18/99
Finish 6/18/99
Driller Jared
HRP Rep CVB / WCJ

Depth (ft)	Sampler Blows per 6"	Sample Interval	Recovery (ft)	Density or Consistency/ Moisture	Profile Change	Remarks (color, structure, grain size, staining, odor, PID)	PID (ppm)
0		0-4	2'	Loose / Dry	1	Dark Grey GRAVEL, Moraine fill; no odor	0(5)
						Brown fine SAND; no odor	
5		4-8'	3½'	Loose / Dry	4	Tan-Brown medium to fine SAND; no odor	0(5)
10		8-12'	2'	Loose / Moist		Same; no odor	0(5)
					11'	Orange-Brown fine SAND; Some silt, Varved layers; no odor	0(5)
15		12-16'	2½'	Loose / Moist to wet (12½'-16')		Brown medium fine SAND; no odor	0(5)
						End of Boring @ 16'	
20							
25							
30							

GROUND WATER OBSERVATIONS

Depth	Date	Casing/Screen	Stabil. Time

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density
0-4very loose
5-9loose
10-29med. dense

Cohesive Consistence
0-2very soft
3-4 soft
5-8 m/stiff
9-15 stiff

PROPORTIONS

trace0 to 10%
little10 to 20%
some20 to 35%
and30 to 50%

Project Avalon, Glens Falls
HRP Job #
Contractor Zebra

HRP ASSOCIATES, INC.
ENGINEERING & GEOLOGY
DRILLING LOG

Hole # GF-4
Well #
Sheet No. 1
Location IN Front

Type: Casing — Sampler Macro Core — Core Barrel —
I.D. 1.75"

Hammer (wt/Fall) 140/30
300/24
Rig Type Geoprobe

Start 6/18/99
Finish 6/18/99
Driller Jared
HRP Rep CJB/WCJ

Depth (ft)	Sampler Blows per 6"	Sample Interval	Recovery (ft)	Density or Consistency/ Moisture	Profile Change	Remarks (color, structure, grain size, staining, odor, PID)	PID (ppm)
0		0-4'	1'9"	med/ Dry	3'	Gray med Gravel, Cement, Brick (Fill)	
						Brown medium fine SAND; no odor	0(3)
5		4-8'	2'9"	Low/ Dry		Brown medium to fine SAND; no odor	0(5)
10		8-12'	2'1"	Low/ moist		SAME	0(5)
					11.5'	Orange-brown fine SAND some Silt. no odor	
		12-15	3'	Low/moist to wet		Dark Brown medium to fine SAND some Gravel some Silt, wet, no odor	2(5)
				13'		Brown medium fine SAND, no odor	
20							0(5)
						End boring @ 15'	
25							
30							

GROUND WATER OBSERVATIONS

Depth	Date	Casing/Screen	Stabil. Time

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density
0-4very loose
5-9loose

Cohesive Consistence
0-2very soft
3-4 soft
5-8 m/stiff

PROPORTIONS

trace0 to 10%
little10 to 20%
some20 to 35%

Project Avalon - Glen Falls
HRP Job #
Contractor Zebra

HRP ASSOCIATES, INC.
ENGINEERING & GEOLOGY
DRILLING LOG

Hole # GF-5
Well #
Sheet No. 1
Location

Type: Casing — Sampler Macro core — Core Barrel —
I.D. 1.75"

Hammer (wt/Fall) 140/30
300/24
Rig Type Geoprobe

Start 6/18/99
Finish 6/18/99
Driller Jared
HRP Rep CSB / WCT

Depth (ft)	Sampler Blows per 6"	Sample Interval	Recovery (ft)	Density or Consistency/ Moisture	Profile Change	Remarks (color, structure, grain size, staining, odor, PID)	PID (ppm)
0		0-4	2'	Low/ Dry	0-2	Dark Gray Macadam, Gravel Subbase (fill); Slight odor	0(cs)
					2-4	Brown fine SAND some organics (wood); trace, No odor	0(g)
5		4-8	6"	Low/ Dry		Brown fine SAND; No odor	0(s)
10		8-12	3'	Low/ Moist		Same, No odor	0(s)
		12-15	3'	Low/ moist to wet @ 13'		Brown medium fine SAND; gray layers staining, and petroleum odor	480 (s) 141
15						End boring Total Depth = 15' Collect Grab Soil Sample (GF-5 (8-12'))	
20							
25							
30							

GROUND WATER OBSERVATIONS

Depth	Date	Casing/Screen	Stabil. Time

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density
0-4 very loose

Cohesive Consistence
0-2 very soft
3-4 soft

PROPORTION

trace 0 to 10%
little 10 to 20
some 20 to

ATTACHMENT 3

HRP

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: HRP Associates, Inc.

SAMPLE DESCRIPTION: GF-2, (13.9'-14.4')

LOCATION: 32 Ridge St, Glens Falls, NY

H.E.S. #: 990618F01

DATE SAMPLED: 06/18/99

DATE SAMPLE RECD: 06/18/99

MATRIX: Soil

TYPE SAMPLE: Not Specified

SAMPLER: CB/HRP

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Dichlorodifluoromethane	SW846-8021B	<500	ug/kg	06/18/99
Chloromethane	SW846-8021B	<500	ug/kg	06/18/99
Vinyl chloride	SW846-8021B	<500	ug/kg	06/18/99
Chloroethane	SW846-8021B	<500	ug/kg	06/18/99
Bromomethane	SW846-8021B	<500	ug/kg	06/18/99
Trichlorofluoromethane	SW846-8021B	<500	ug/kg	06/18/99
1,1-Dichloroethene	SW846-8021B	<500	ug/kg	06/18/99
Methylene chloride	SW846-8021B	<500	ug/kg	06/18/99
trans-1,2-Dichloroethene	SW846-8021B	<500	ug/kg	06/18/99
1,1-Dichloroethane	SW846-8021B	<500	ug/kg	06/18/99
2,2-Dichloropropane	SW846-8021B	<500	ug/kg	06/18/99
cis-1,2-Dichloroethene	SW846-8021B	<500	ug/kg	06/18/99
Bromochloromethane	SW846-8021B	<500	ug/kg	06/18/99
Chloroform	SW846-8021B	<500	ug/kg	06/18/99
1,1,1-Trichloroethane	SW846-8021B	<500	ug/kg	06/18/99
1,1-Dichloropropene	SW846-8021B	<500	ug/kg	06/18/99
Carbon Tetrachloride	SW846-8021B	<500	ug/kg	06/18/99
Benzene	SW846-8021B	<500	ug/kg	06/18/99
1,2-Dichloroethane	SW846-8021B	<500	ug/kg	06/18/99
Trichloroethene	SW846-8021B	<500	ug/kg	06/18/99
1,2-Dichloropropane	SW846-8021B	<500	ug/kg	06/18/99
Dibromomethane	SW846-8021B	<500	ug/kg	06/18/99
Bromodichloromethane	SW846-8021B	<500	ug/kg	06/18/99
cis-1,3-Dichloropropene	SW846-8021B	<500	ug/kg	06/18/99
Toluene	SW846-8021B	<500	ug/kg	06/18/99
trans-1,3-Dichloropropene	SW846-8021B	<500	ug/kg	06/18/99
1,1,2-Trichloroethane	SW846-8021B	<500	ug/kg	06/18/99
Tetrachloroethene	SW846-8021B	<500	ug/kg	06/18/99
1,3-Dichloropropane	SW846-8021B	<500	ug/kg	06/18/99
Dibromochloromethane	SW846-8021B	<500	ug/kg	06/18/99
1,2-Dibromoethane	SW846-8021B	<500	ug/kg	06/18/99
Chlorobenzene	SW846-8021B	<500	ug/kg	06/18/99
1,1,1,2-Tetrachloroethane	SW846-8021B	<500	ug/kg	06/18/99
Ethylbenzene	SW846-8021B	<500	ug/kg	06/18/99
m-Xylene/p-Xylene	SW846-8021B	<500	ug/kg	06/18/99
o-Xylene	SW846-8021B	<500	ug/kg	06/18/99
Styrene	SW846-8021B	<500	ug/kg	06/18/99
Bromoform	SW846-8021B	<500	ug/kg	06/18/99
Isopropylbenzene	SW846-8021B	<500	ug/kg	06/18/99

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: HRP Associates, Inc.

SAMPLE DESCRIPTION: GF-2, (13.9'-14.4')

H.E.S. #: 990618F01 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Bromobenzene	SW846-8021B	<500	ug/kg	06/18/99
1,1,2,2-Tetrachloroethane	SW846-8021B	<500	ug/kg	06/18/99
1,2,3-Trichloropropane	SW846-8021B	<500	ug/kg	06/18/99
n-Propylbenzene	SW846-8021B	<500	ug/kg	06/18/99
2-Chlorotoluene	SW846-8021B	<500	ug/kg	06/18/99
4-Chlorotoluene	SW846-8021B	<500	ug/kg	06/18/99
1,3,5-Trimethylbenzene	SW846-8021B	<500	ug/kg	06/18/99
4-Isopropyltoluene	SW846-8021B	2,700	ug/kg	06/18/99
1,2,4-Trimethylbenzene	SW846-8021B	1,575	ug/kg	06/18/99
sec-Butylbenzene	SW846-8021B	<500	ug/kg	06/18/99
1,3-Dichlorobenzene	SW846-8021B	<500	ug/kg	06/18/99
tert-Butylbenzene	SW846-8021B	<500	ug/kg	06/18/99
1,4-Dichlorobenzene	SW846-8021B	<500	ug/kg	06/18/99
1,2-Dichlorobenzene	SW846-8021B	<500	ug/kg	06/18/99
n-Butylbenzene	SW846-8021B	1,750	ug/kg	06/18/99
1,2-Dibromo-3-chloropropane	SW846-8021B	<500	ug/kg	06/18/99
1,2,4-Trichlorobenzene	SW846-8021B	<500	ug/kg	06/18/99
Hexachlorobutadiene	SW846-8021B	<500	ug/kg	06/18/99
Naphthalene	SW846-8021B	<500	ug/kg	06/18/99
1,2,3-Trichlorobenzene	SW846-8021B	<500	ug/kg	06/18/99
MTBE	SW846-8021B	<500	ug/kg	06/18/99
Non-Target Peaks		Positive		

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: HRP Associates, Inc.

SAMPLE DESCRIPTION: GF-5, (14')

LOCATION: 32 Ridge St, Glens Falls, NY

H.E.S. #: 990618F02

DATE SAMPLED: 06/18/99

DATE SAMPLE RECD: 06/18/99

MATRIX: Soil

TYPE SAMPLE: Not Specified

SAMPLER: CB/HRP

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Dichlorodifluoromethane	SW846-8021B	<500	ug/kg	06/18/99
Chloromethane	SW846-8021B	<500	ug/kg	06/18/99
Vinyl chloride	SW846-8021B	<500	ug/kg	06/18/99
Chloroethane	SW846-8021B	<500	ug/kg	06/18/99
Bromomethane	SW846-8021B	<500	ug/kg	06/18/99
Trichlorofluoromethane	SW846-8021B	<500	ug/kg	06/18/99
1,1-Dichloroethene	SW846-8021B	<500	ug/kg	06/18/99
Methylene chloride	SW846-8021B	<500	ug/kg	06/18/99
trans-1,2-Dichloroethene	SW846-8021B	<500	ug/kg	06/18/99
1,1-Dichloroethane	SW846-8021B	<500	ug/kg	06/18/99
2,2-Dichloropropane	SW846-8021B	<500	ug/kg	06/18/99
cis-1,2-Dichloroethene	SW846-8021B	<500	ug/kg	06/18/99
Bromochloromethane	SW846-8021B	<500	ug/kg	06/18/99
Chloroform	SW846-8021B	<500	ug/kg	06/18/99
1,1,1-Trichloroethane	SW846-8021B	<500	ug/kg	06/18/99
1,1-Dichloropropene	SW846-8021B	<500	ug/kg	06/18/99
Carbon Tetrachloride	SW846-8021B	<500	ug/kg	06/18/99
Benzene	SW846-8021B	<500	ug/kg	06/18/99
1,2-Dichloroethane	SW846-8021B	<500	ug/kg	06/18/99
Trichloroethene	SW846-8021B	<500	ug/kg	06/18/99
1,2-Dichloropropane	SW846-8021B	<500	ug/kg	06/18/99
Dibromomethane	SW846-8021B	<500	ug/kg	06/18/99
Bromodichloromethane	SW846-8021B	<500	ug/kg	06/18/99
cis-1,3-Dichloropropene	SW846-8021B	<500	ug/kg	06/18/99
Toluene	SW846-8021B	<500	ug/kg	06/18/99
trans-1,3-Dichloropropene	SW846-8021B	<500	ug/kg	06/18/99
1,1,2-Trichloroethane	SW846-8021B	<500	ug/kg	06/18/99
Tetrachloroethene	SW846-8021B	<500	ug/kg	06/18/99
1,3-Dichloropropane	SW846-8021B	<500	ug/kg	06/18/99
Dibromochloromethane	SW846-8021B	<500	ug/kg	06/18/99
1,2-Dibromoethane	SW846-8021B	<500	ug/kg	06/18/99
Chlorobenzene	SW846-8021B	<500	ug/kg	06/18/99
1,1,1,2-Tetrachloroethane	SW846-8021B	<500	ug/kg	06/18/99
Ethylbenzene	SW846-8021B	<500	ug/kg	06/18/99
m-Xylene/p-Xylene	SW846-8021B	1,675	ug/kg	06/18/99
o-Xylene	SW846-8021B	<500	ug/kg	06/18/99
Styrene	SW846-8021B	<500	ug/kg	06/18/99
Bromoform	SW846-8021B	<500	ug/kg	06/18/99
Isopropylbenzene	SW846-8021B	<500	ug/kg	06/18/99

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: HRP Associates, Inc.

SAMPLE DESCRIPTION: GF-5, (14')

H.E.S. #: 990618F02 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Bromobenzene	SW846-8021B	<500	ug/kg	06/18/99
1,1,2,2-Tetrachloroethane	SW846-8021B	<500	ug/kg	06/18/99
1,2,3-Trichloropropane	SW846-8021B	<500	ug/kg	06/18/99
n-Propylbenzene	SW846-8021B	3,550	ug/kg	06/18/99
2-Chlorotoluene	SW846-8021B	<500	ug/kg	06/18/99
4-Chlorotoluene	SW846-8021B	<500	ug/kg	06/18/99
1,3,5-Trimethylbenzene	SW846-8021B	15,700	ug/kg	06/18/99
4-Isopropyltoluene	SW846-8021B	4,075	ug/kg	06/18/99
1,2,4-Trimethylbenzene	SW846-8021B	34,575	ug/kg	06/18/99
sec-Butylbenzene	SW846-8021B	<500	ug/kg	06/18/99
1,3-Dichlorobenzene	SW846-8021B	<500	ug/kg	06/18/99
tert-Butylbenzene	SW846-8021B	4,300	ug/kg	06/18/99
1,4-Dichlorobenzene	SW846-8021B	<500	ug/kg	06/18/99
1,2-Dichlorobenzene	SW846-8021B	<500	ug/kg	06/18/99
n-Butylbenzene	SW846-8021B	<500	ug/kg	06/18/99
1,2-Dibromo-3-chloropropane	SW846-8021B	<500	ug/kg	06/18/99
1,2,4-Trichlorobenzene	SW846-8021B	<500	ug/kg	06/18/99
Hexachlorobutadiene	SW846-8021B	<500	ug/kg	06/18/99
Naphthalene	SW846-8021B	<500	ug/kg	06/18/99
1,2,3-Trichlorobenzene	SW846-8021B	<500	ug/kg	06/18/99
MTBE	SW846-8021B	<500	ug/kg	06/18/99
Non-Target Peaks		Positive		

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Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: HRP Associates, Inc.

SAMPLE DESCRIPTION: GF-2

LOCATION: 32 Ridge St, Glens Falls, NY

H.E.S. #: 990618F03

DATE SAMPLED: 06/18/99

DATE SAMPLE RECD: 06/18/99

MATRIX: Water

TYPE SAMPLE: Not Specified

SAMPLER: CB/HRP

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Dichlorodifluoromethane	SW846-8021B	<50	ug/l	06/18/99
Chloromethane	SW846-8021B	<50	ug/l	06/18/99
Vinyl chloride	SW846-8021B	<50	ug/l	06/18/99
Chloroethane	SW846-8021B	<50	ug/l	06/18/99
Bromomethane	SW846-8021B	<50	ug/l	06/18/99
Trichlorofluoromethane	SW846-8021B	<50	ug/l	06/18/99
1,1-Dichloroethene	SW846-8021B	<50	ug/l	06/18/99
Methylene chloride	SW846-8021B	<50	ug/l	06/18/99
trans-1,2-Dichloroethene	SW846-8021B	<50	ug/l	06/18/99
1,1-Dichloroethane	SW846-8021B	<50	ug/l	06/18/99
2,2-Dichloropropane	SW846-8021B	<50	ug/l	06/18/99
cis-1,2-Dichloroethene	SW846-8021B	<50	ug/l	06/18/99
Bromochloromethane	SW846-8021B	<50	ug/l	06/18/99
Chloroform	SW846-8021B	<50	ug/l	06/18/99
1,1,1-Trichloroethane	SW846-8021B	<50	ug/l	06/18/99
1,1-Dichloropropene	SW846-8021B	<50	ug/l	06/18/99
Carbon Tetrachloride	SW846-8021B	<50	ug/l	06/18/99
Benzene	SW846-8021B	<50	ug/l	06/18/99
1,2-Dichloroethane	SW846-8021B	<50	ug/l	06/18/99
Trichloroethene	SW846-8021B	<50	ug/l	06/18/99
1,2-Dichloropropane	SW846-8021B	<50	ug/l	06/18/99
Dibromomethane	SW846-8021B	<50	ug/l	06/18/99
Bromodichloromethane	SW846-8021B	<50	ug/l	06/18/99
cis-1,3-Dichloropropene	SW846-8021B	<50	ug/l	06/18/99
Toluene	SW846-8021B	<50	ug/l	06/18/99
trans-1,3-Dichloropropene	SW846-8021B	<50	ug/l	06/18/99
1,1,2-Trichloroethane	SW846-8021B	<50	ug/l	06/18/99
Tetrachloroethene	SW846-8021B	<50	ug/l	06/18/99
1,3-Dichloropropane	SW846-8021B	<50	ug/l	06/18/99
Dibromochloromethane	SW846-8021B	<50	ug/l	06/18/99
1,2-Dibromoethane	SW846-8021B	<50	ug/l	06/18/99
Chlorobenzene	SW846-8021B	<50	ug/l	06/18/99
1,1,1,2-Tetrachloroethane	SW846-8021B	<50	ug/l	06/18/99
Ethylbenzene	SW846-8021B	<50	ug/l	06/18/99
m-Xylene/p-Xylene	SW846-8021B	<50	ug/l	06/18/99
o-Xylene	SW846-8021B	<50	ug/l	06/18/99
Styrene	SW846-8021B	<50	ug/l	06/18/99
Bromoform	SW846-8021B	<50	ug/l	06/18/99
Isopropylbenzene	SW846-8021B	<50	ug/l	06/18/99

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CLIENT: HRP Associates, Inc.

SAMPLE DESCRIPTION: GF-2

H.E.S. #: 990618F03 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Bromobenzene	SW846-8021B	<50	ug/l	06/18/99
1,1,2,2-Tetrachloroethane	SW846-8021B	<50	ug/l	06/18/99
1,2,3-Trichloropropane	SW846-8021B	<50	ug/l	06/18/99
n-Propylbenzene	SW846-8021B	<50	ug/l	06/18/99
2-Chlorotoluene	SW846-8021B	<50	ug/l	06/18/99
4-Chlorotoluene	SW846-8021B	<50	ug/l	06/18/99
1,3,5-Trimethylbenzene	SW846-8021B	<50	ug/l	06/18/99
4-Isopropyltoluene	SW846-8021B	<50	ug/l	06/18/99
1,2,4-Trimethylbenzene	SW846-8021B	<50	ug/l	06/18/99
sec-Butylbenzene	SW846-8021B	<50	ug/l	06/18/99
1,3-Dichlorobenzene	SW846-8021B	<50	ug/l	06/18/99
tert-Butylbenzene	SW846-8021B	<50	ug/l	06/18/99
1,4-Dichlorobenzene	SW846-8021B	<50	ug/l	06/18/99
1,2-Dichlorobenzene	SW846-8021B	<50	ug/l	06/18/99
n-Butylbenzene	SW846-8021B	<50	ug/l	06/18/99
1,2-Dibromo-3-chloropropane	SW846-8021B	<50	ug/l	06/18/99
1,2,4-Trichlorobenzene	SW846-8021B	<50	ug/l	06/18/99
Hexachlorobutadiene	SW846-8021B	<50	ug/l	06/18/99
Naphthalene	SW846-8021B	<50	ug/l	06/18/99
1,2,3-Trichlorobenzene	SW846-8021B	<50	ug/l	06/18/99
MTBE	SW846-8021B	1,096	ug/l	06/18/99
Non-Target Peaks		Positive		

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Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: HRP Associates, Inc.

SAMPLE DESCRIPTION: GF-5

LOCATION: 32 Ridge St, Glens Falls, NY

H.E.S. #: 990618F04

DATE SAMPLED: 06/18/99

DATE SAMPLE RECD: 06/18/99

MATRIX: Water

TYPE SAMPLE: Not Specified

SAMPLER: CB/HRP

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Dichlorodifluoromethane	SW846-8021B	<5.0	ug/l	06/18/99
Chloromethane	SW846-8021B	<5.0	ug/l	06/18/99
Vinyl chloride	SW846-8021B	<5.0	ug/l	06/18/99
Chloroethane	SW846-8021B	<5.0	ug/l	06/18/99
Bromomethane	SW846-8021B	<5.0	ug/l	06/18/99
Trichlorofluoromethane	SW846-8021B	<5.0	ug/l	06/18/99
1,1-Dichloroethene	SW846-8021B	<5.0	ug/l	06/18/99
Methylene chloride	SW846-8021B	<5.0	ug/l	06/18/99
trans-1,2-Dichloroethene	SW846-8021B	<5.0	ug/l	06/18/99
1,1-Dichloroethane	SW846-8021B	<5.0	ug/l	06/18/99
2,2-Dichloropropane	SW846-8021B	<5.0	ug/l	06/18/99
cis-1,2-Dichloroethene	SW846-8021B	<5.0	ug/l	06/18/99
Bromochloromethane	SW846-8021B	<5.0	ug/l	06/18/99
Chloroform	SW846-8021B	<5.0	ug/l	06/18/99
1,1,1-Trichloroethane	SW846-8021B	<5.0	ug/l	06/18/99
1,1-Dichloropropene	SW846-8021B	<5.0	ug/l	06/18/99
Carbon Tetrachloride	SW846-8021B	<5.0	ug/l	06/18/99
Benzene	SW846-8021B	<5.0	ug/l	06/18/99
1,2-Dichloroethane	SW846-8021B	<5.0	ug/l	06/18/99
Trichloroethene	SW846-8021B	<5.0	ug/l	06/18/99
1,2-Dichloropropane	SW846-8021B	<5.0	ug/l	06/18/99
Dibromomethane	SW846-8021B	<5.0	ug/l	06/18/99
Bromodichloromethane	SW846-8021B	<5.0	ug/l	06/18/99
cis-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	06/18/99
Toluene	SW846-8021B	<5.0	ug/l	06/18/99
trans-1,3-Dichloropropene	SW846-8021B	<5.0	ug/l	06/18/99
1,1,2-Trichloroethane	SW846-8021B	<5.0	ug/l	06/18/99
Tetrachloroethene	SW846-8021B	<5.0	ug/l	06/18/99
1,3-Dichloropropane	SW846-8021B	<5.0	ug/l	06/18/99
Dibromochloromethane	SW846-8021B	<5.0	ug/l	06/18/99
1,2-Dibromoethane	SW846-8021B	<5.0	ug/l	06/18/99
Chlorobenzene	SW846-8021B	<5.0	ug/l	06/18/99
1,1,1,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	06/18/99
Ethylbenzene	SW846-8021B	<5.0	ug/l	06/18/99
m-Xylene/p-Xylene	SW846-8021B	33	ug/l	06/18/99
o-Xylene	SW846-8021B	5.7	ug/l	06/18/99
Styrene	SW846-8021B	<5.0	ug/l	06/18/99
Bromoform	SW846-8021B	<5.0	ug/l	06/18/99
Isopropylbenzene	SW846-8021B	20	ug/l	06/18/99

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CLIENT: HRP Associates, Inc.

SAMPLE DESCRIPTION: GF-5

H.E.S. #: 990618F04 (Continued)

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
Bromobenzene	SW846-8021B	<5.0	ug/l	06/18/99
1,1,2,2-Tetrachloroethane	SW846-8021B	<5.0	ug/l	06/18/99
1,2,3-Trichloropropane	SW846-8021B	<5.0	ug/l	06/18/99
n-Propylbenzene	SW846-8021B	56	ug/l	06/18/99
2-Chlorotoluene	SW846-8021B	<5.0	ug/l	06/18/99
4-Chlorotoluene	SW846-8021B	<5.0	ug/l	06/18/99
1,3,5-Trimethylbenzene	SW846-8021B	270	ug/l	06/18/99
4-Isopropyltoluene	SW846-8021B	64	ug/l	06/18/99
1,2,4-Trimethylbenzene	SW846-8021B	599	ug/l	06/18/99
sec-Butylbenzene	SW846-8021B	18	ug/l	06/18/99
1,3-Dichlorobenzene	SW846-8021B	<5.0	ug/l	06/18/99
tert-Butylbenzene	SW846-8021B	74	ug/l	06/18/99
1,4-Dichlorobenzene	SW846-8021B	<5.0	ug/l	06/18/99
1,2-Dichlorobenzene	SW846-8021B	<5.0	ug/l	06/18/99
n-Butylbenzene	SW846-8021B	21	ug/l	06/18/99
1,2-Dibromo-3-chloropropane	SW846-8021B	<5.0	ug/l	06/18/99
1,2,4-Trichlorobenzene	SW846-8021B	<5.0	ug/l	06/18/99
Hexachlorobutadiene	SW846-8021B	<5.0	ug/l	06/18/99
Naphthalene	SW846-8021B	<5.0	ug/l	06/18/99
1,2,3-Trichlorobenzene	SW846-8021B	<5.0	ug/l	06/18/99
MTBE	SW846-8021B	146	ug/l	06/18/99
Non-Target Peaks		Positive		
Lead	SW846-7421	2.1	mg/l	06/22/99

Approval By: M Lobuck

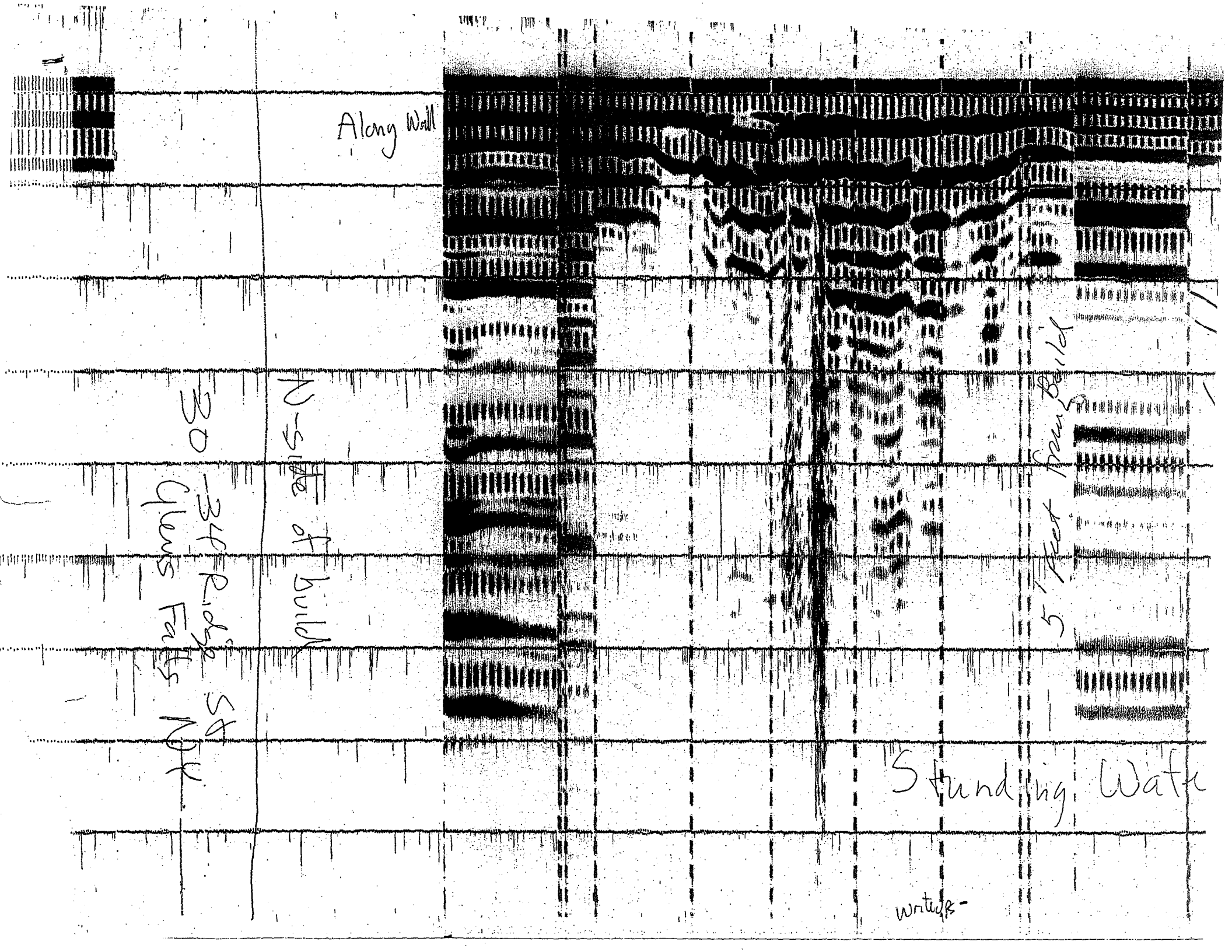
Date: 6-22-99

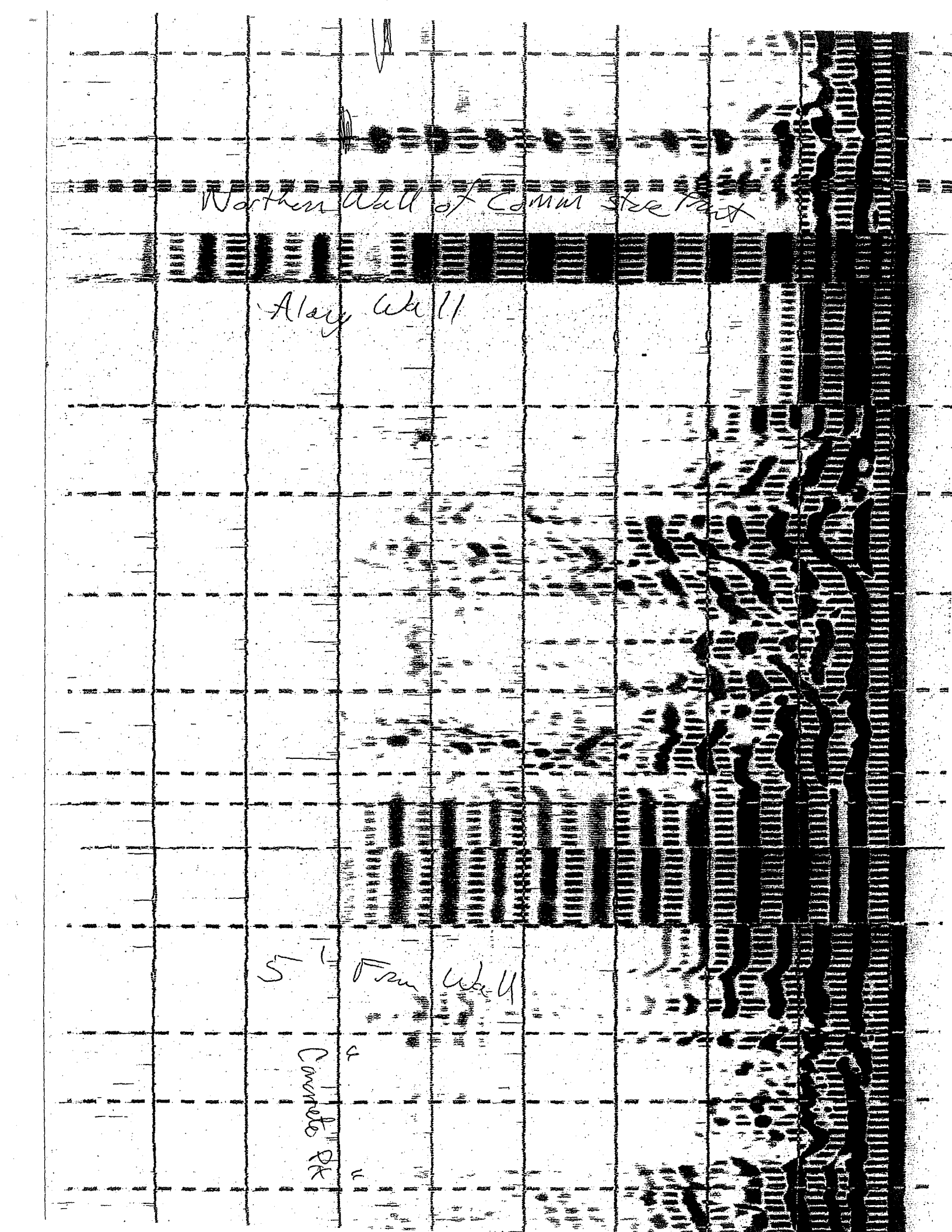
All samples were analyzed within EPA prescribed holding times.

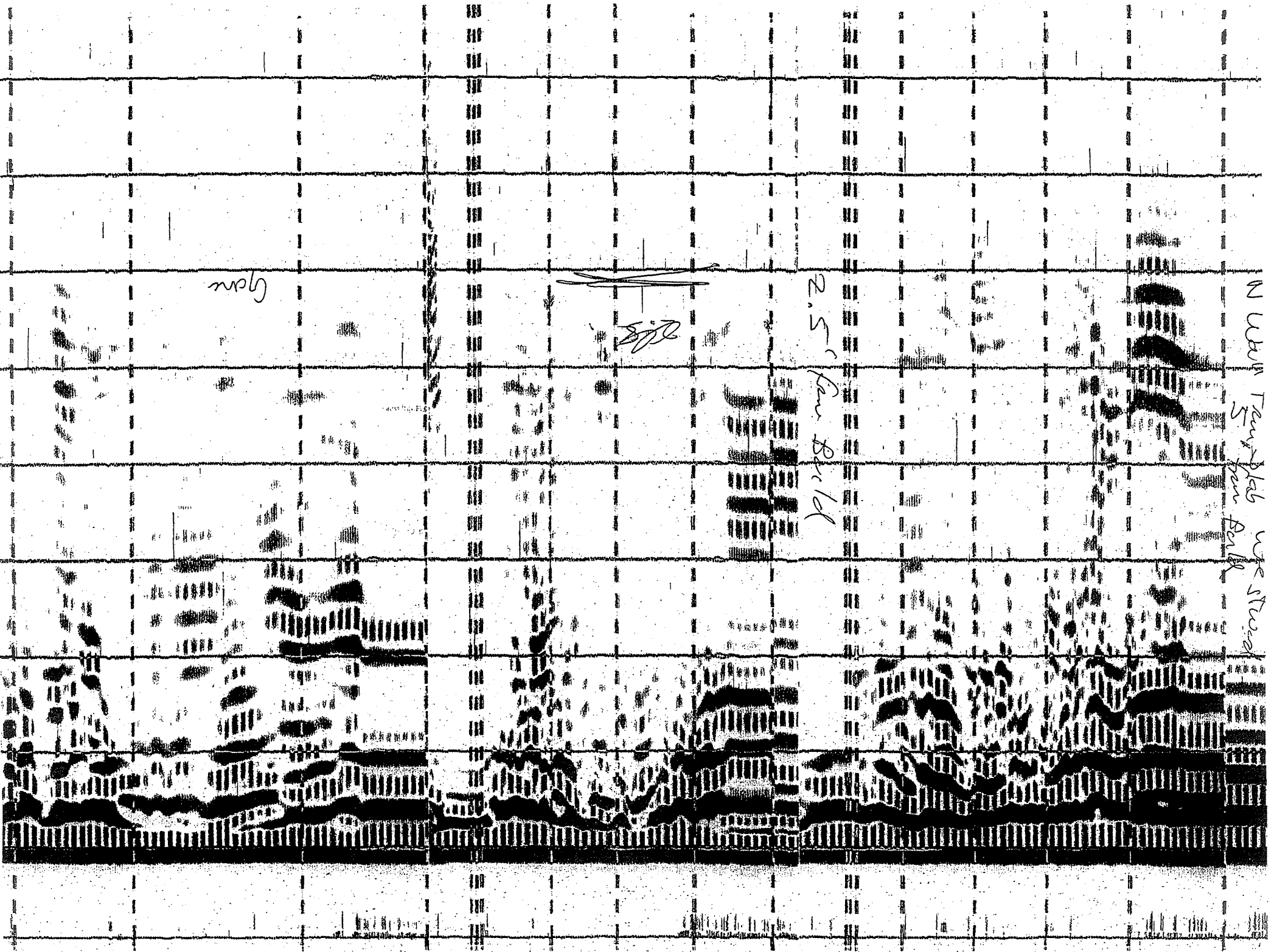
N.Y.S.D.O.H. Lab ID #11149

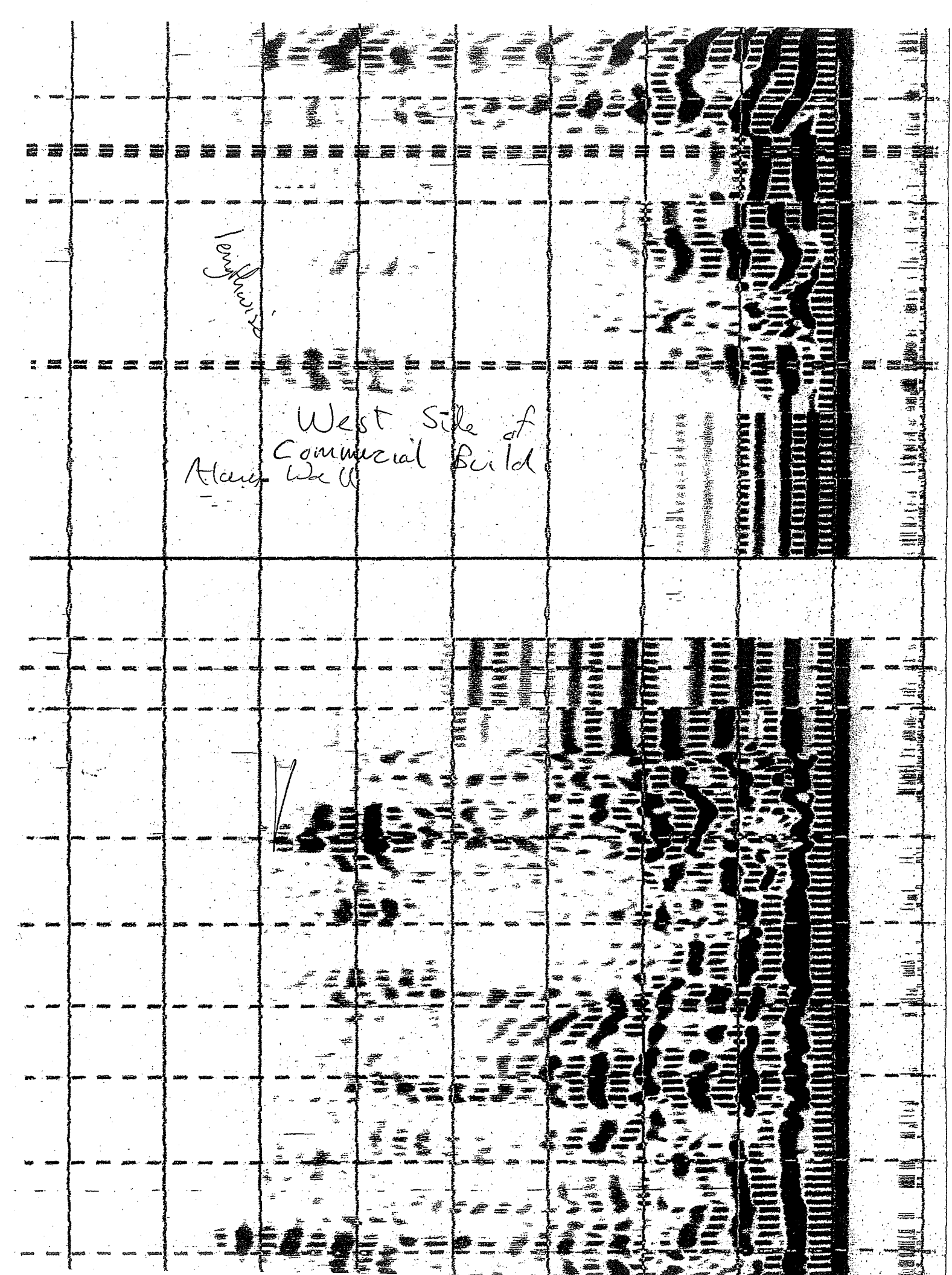
APPENDIX B

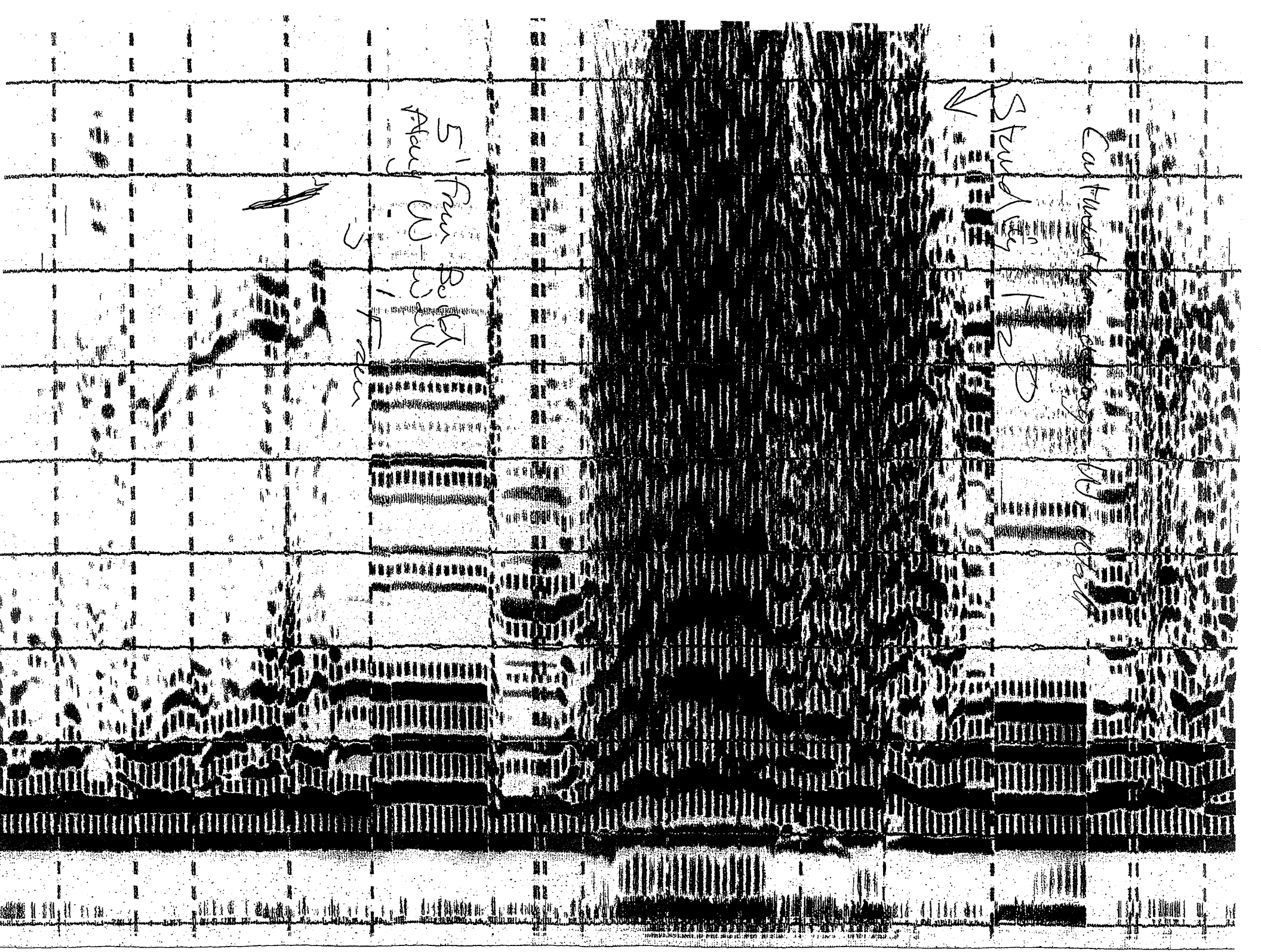
GPR PRINTOUTS/FIELD NOTES

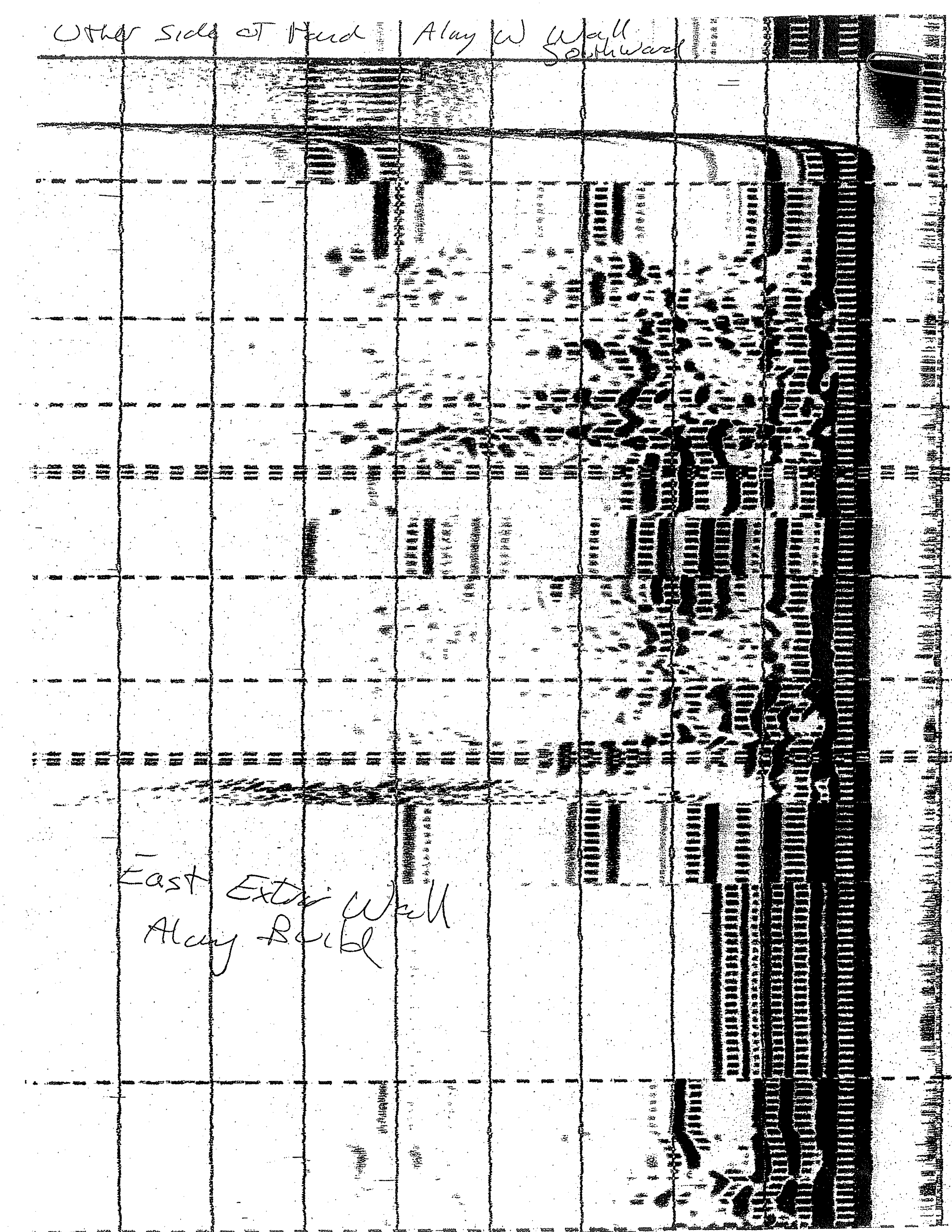

Along Wall
N-side of building
30 34 Robb St Glens Falls NY
5 Feet Standing Wate

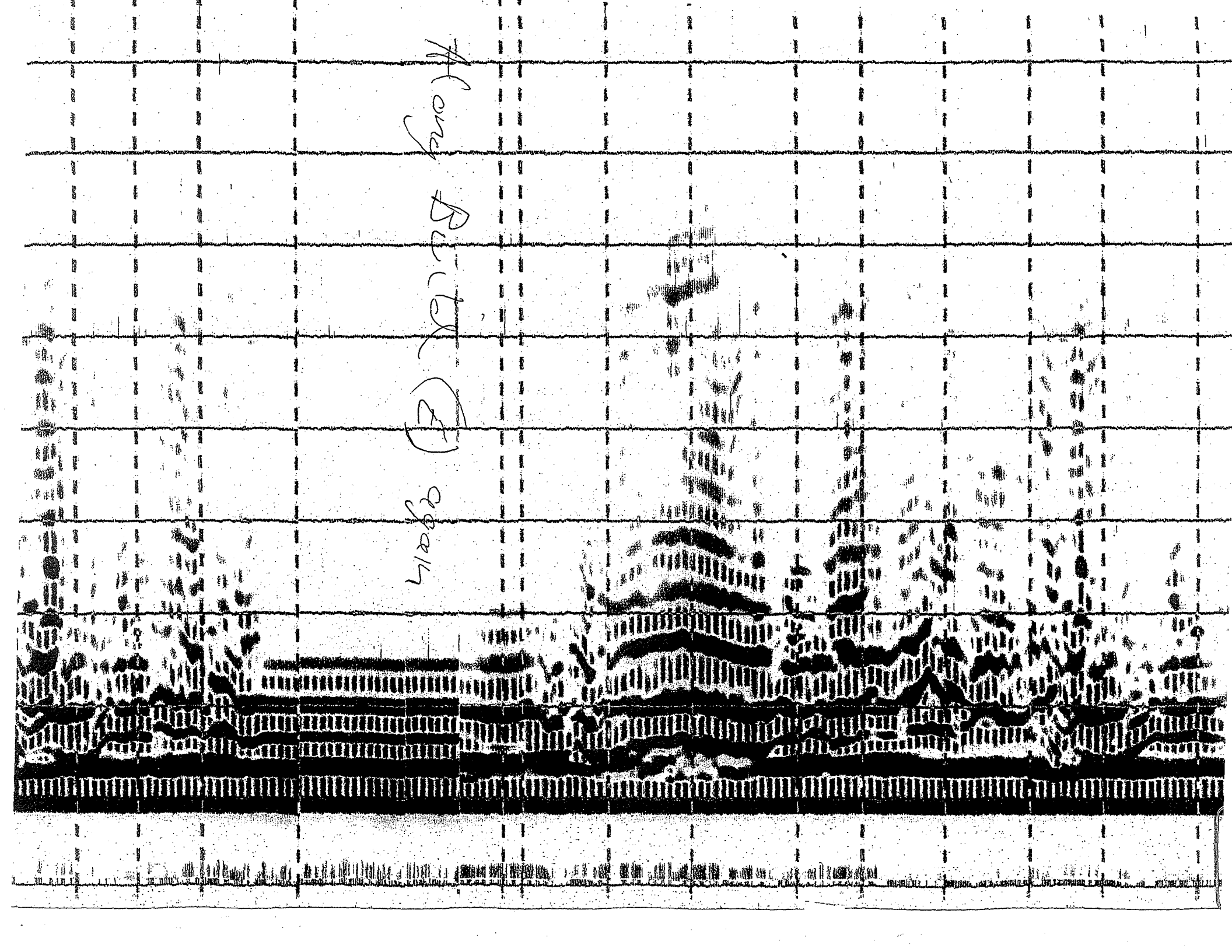

Northern wall of Comm Structure
Alley Wall
5' from Wall
& Concrete Pk

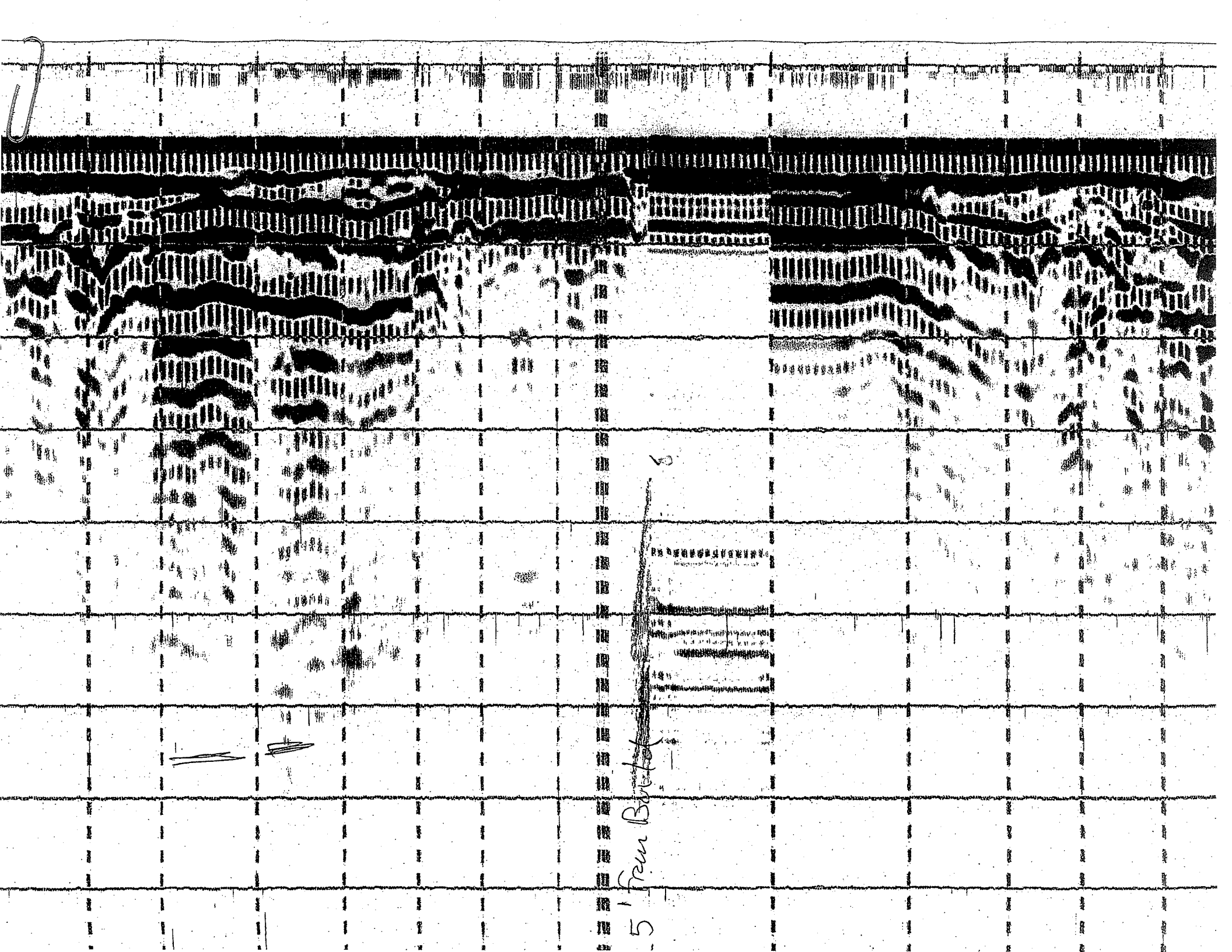


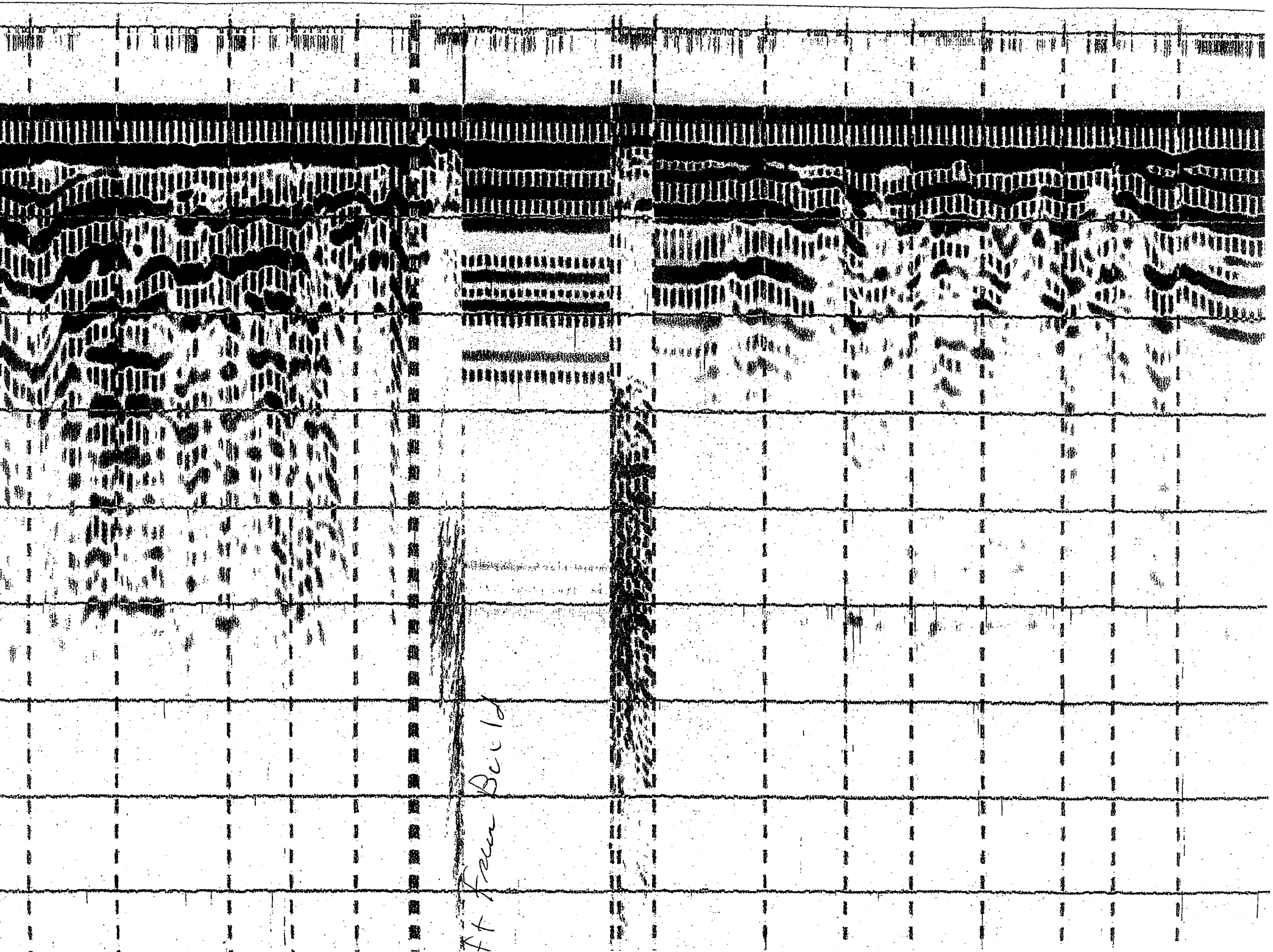

Looking West
West Side of
Commercial Build
Alamo Wall

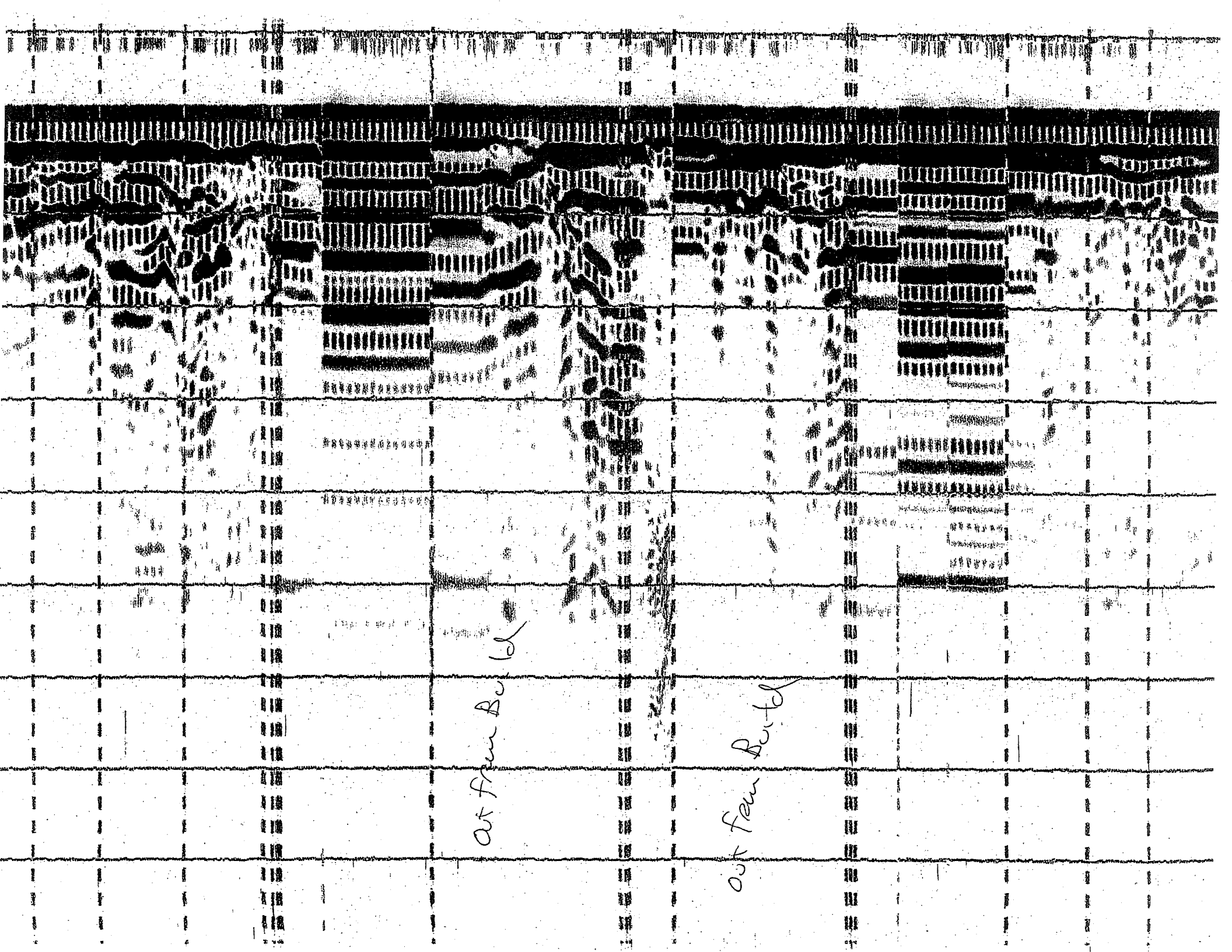


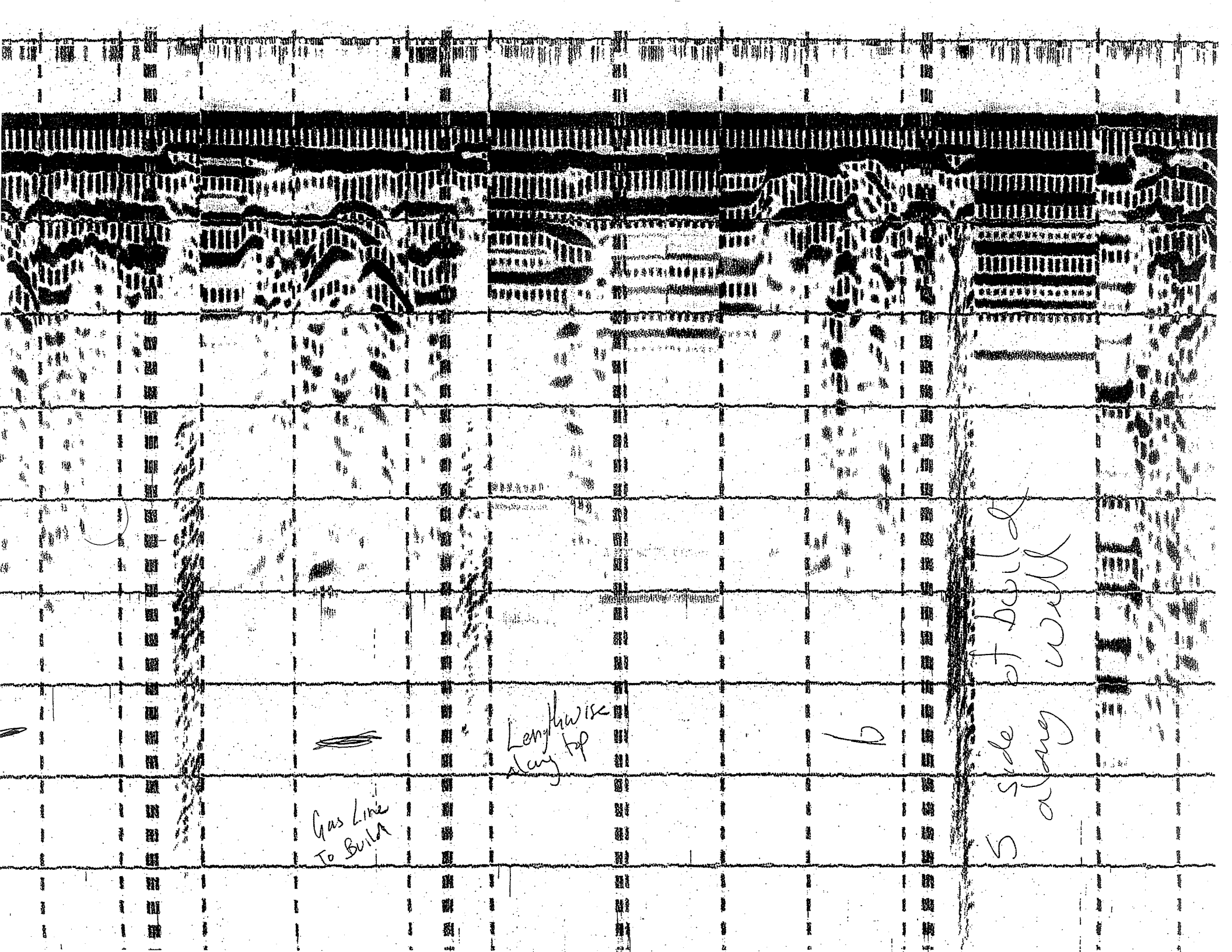

Other Side of Hard Alay W Wall Southward
East Extr Wall Alay Build

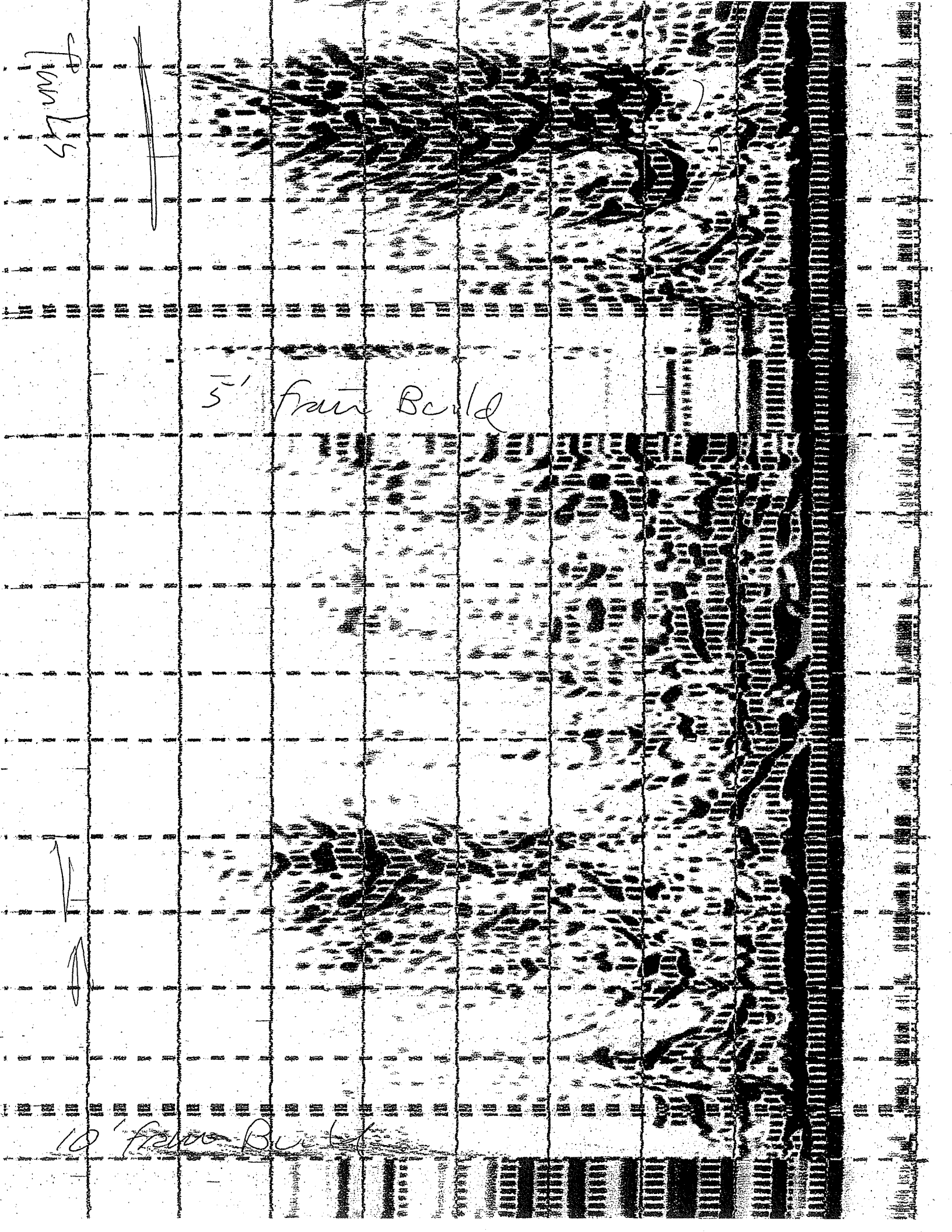


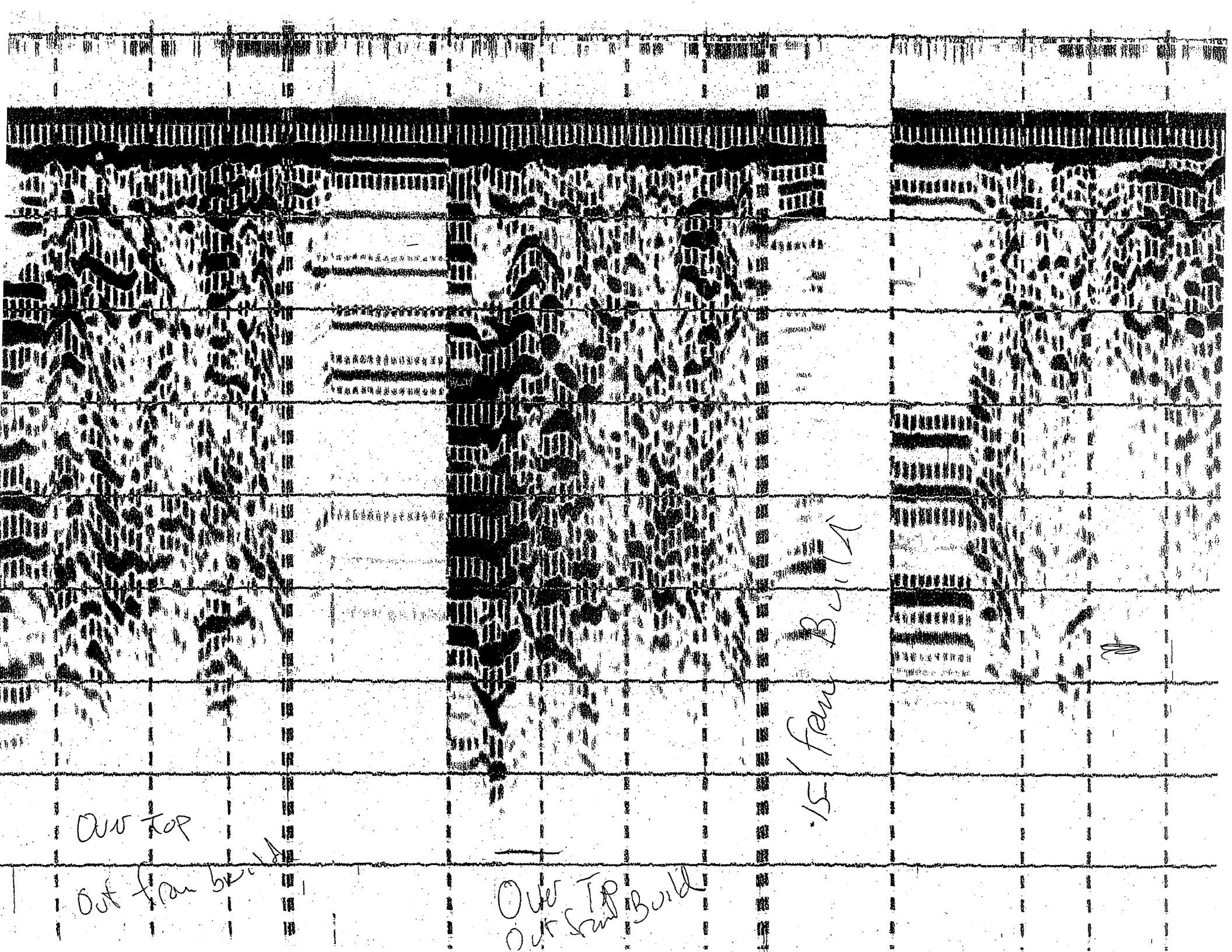

5 from Bartlett

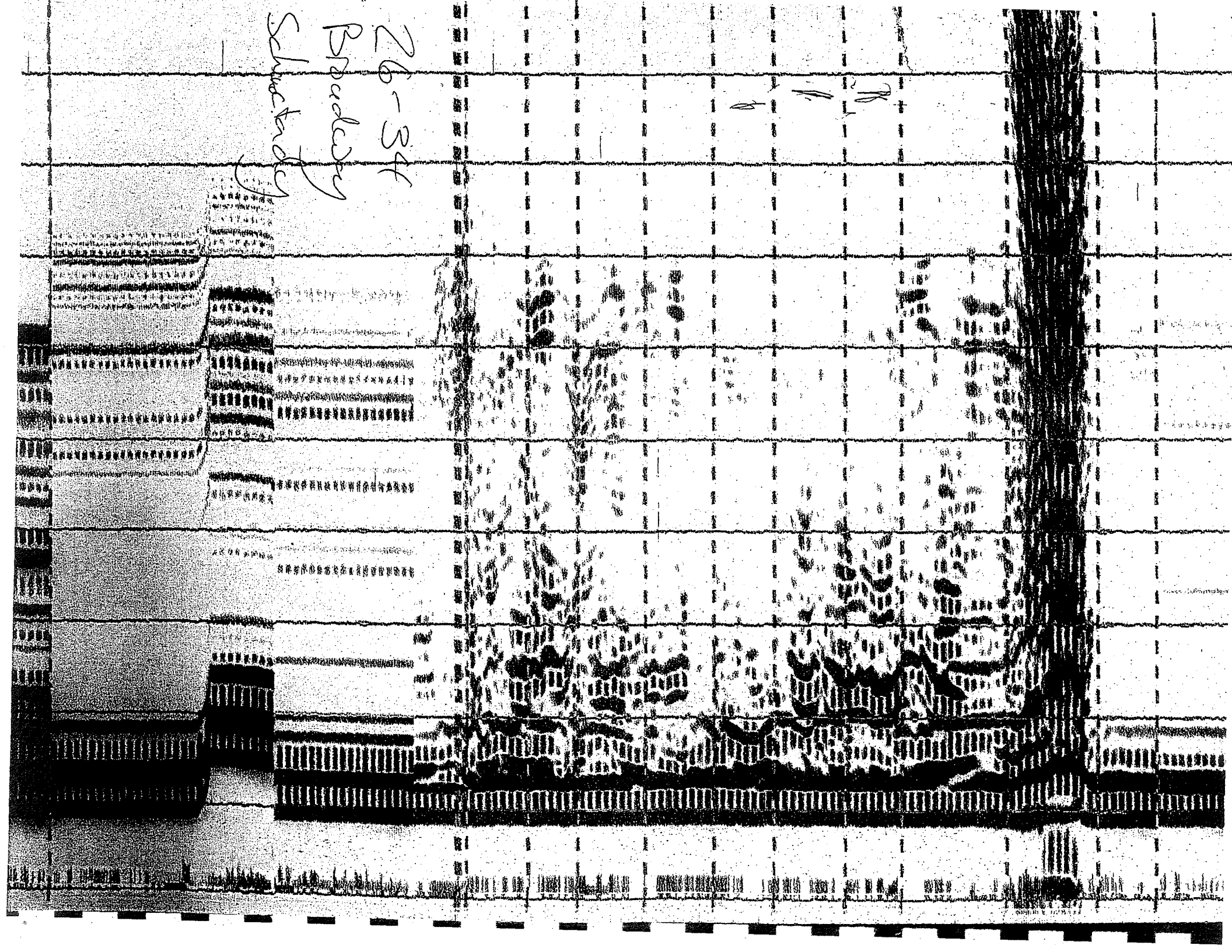

Fault Block


Out flow Build
Out flow Build


Lengthwise along top
Gas Line To Build
5 side of build along wall


5' from Build
10' from Build


Out Top
Out Top Build
Out Top Build
1st Floor Build


20-34
Broadway
Schuylkill

APPENDIX C

TANK GRAVE ANALYTICAL RESULTS

SCHNEIDER LABORATORIES

INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117

804-353-6778 • 800-785-LABS (5227) • (FAX) 804-353-6928

Excellence in Service and Technology

AIHA 8936, ELLAP 8936, NVLAP 1150, NYELAP 11413, CAELAP 2078

LABORATORY ANALYSIS REPORT

POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSIS BY GC/MS

PAHs by EPA SW-846 8270C

ACCOUNT: 2110-00-1
CLIENT: HRP Associates
ADDRESS: 105 Lakehill Road
Burnt Hills , NY 12027
PO NO.:
PROJECT NAME:
PROJECT NO.: GLE 2000.P2 (T-3)
JOB LOCATION: 42 Ridge St. Glenn Falls, NY

DATE COLLECTED: 10/24/00
DATE RECEIVED: 10/26/00
DATE ANALYZED: 10/27/00
DATE REPORTED: 10/31/00

SLI Sample No.:	1786568	1786569	1786572
Client Sample No.:	UST-B1	UST-B2	UST-S
Sample Matrix:	Soil	Soil	Soil

Compound	Concentration µg/Kg	Concentration µg/Kg	Concentration µg/Kg	**PQL µg/Kg
Acenaphthene	<400	<400	<400	400
Acenaphthylene	<400	<400	<400	400
Anthracene	<400	<400	<400	400
Benzo(a)anthracene	<400	<400	<400	400
Benzo(a)pyrene	<400	<400	<400	400
Benzo(b)fluoranthene	<400	<400	<400	400
Benzo(k)fluoranthene	<400	<400	<400	400
Benzo(g,h,i)perylene	<400	<400	<400	400
Chrysene	<400	<400	<400	400
Dibenzo(a,h)anthracene	<400	<400	<400	400
Fluoranthene	<400	<400	<400	400
Fluorene	<400	<400	<400	400
Indeno(1,2,3-cd)pyrene	<400	<400	<400	400
Naphthalene	<400	<400	<400	400
Phenanthrene	<400	<400	<400	400
Pyrene	<400	<400	<400	400

Analyst: CHRIS B. MCFARLANE

Reviewed By: Homiyar N. Choksi

***PQL: Practical Quantitation Limit is defined as the minimum reporting limit for the sample, as determined by instrument sensitivity, dilution factor and methods used to extract the sample to isolate target compounds*

J value indicates the compound was above the MDL but below the PQL.

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LABORATORY ANALYSIS REPORT

POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSIS BY GC/MS

PAHs by EPA SW-846 8270C

ACCOUNT: 2110-00-1
CLIENT: HRP Associates
ADDRESS: 105 Lakehill Road
Burnt Hills , NY 12027
PO NO.:
PROJECT NAME:
PROJECT NO.: GLE 2000.P2 (T-3)
JOB LOCATION: 42 Ridge St. Glenn Falls, NY

DATE COLLECTED: 10/24/00
DATE RECEIVED: 10/26/00
DATE ANALYZED: 10/27/00
DATE REPORTED: 10/31/00

SLI Sample No.:	1786570	1786573
Client Sample No.:	UST-N	UST-W
Sample Matrix:	Soil	Soil

Compound	Concentration µg/Kg	Concentration µg/Kg	**PQL µg/Kg
Acenaphthene	< 2000	< 2000	2000
Acenaphthylene	< 2000	< 2000	2000
Anthracene	< 2000	< 2000	2000
Benzo(a)anthracene	390 J	1000 J	2000
Benzo(a)pyrene	500 J	1600 J	2000
Benzo(b)fluoranthene	< 2000	2000	2000
Benzo(k)fluoranthene	< 2000	< 2000	2000
Benzo(g,h,i)perylene	470 J	1100 J	2000
Chrysene	< 2000	< 2000	2000
Dibenzo(a,h)anthracene	< 2000	< 2000	2000
Fluoranthene	640 J	3500	2000
Fluorene	< 2000	< 2000	2000
Indeno(1,2,3-cd)pyrene	400 J	970 J	2000
Naphthalene	< 2000	< 2000	2000
Phenanthrene	400 J	2900	2000
Pyrene	520 J	2500	2000

Analyst: CHRIS B. MCFARLANE

Reviewed By: Homiyar N. Choksi

***PQL: Practical Quantitation Limit is defined as the minimum reporting limit for the sample, as determined by instrument sensitivity, dilution factor and methods used to extract the sample to isolate target compounds*

J value indicates the compound was above the MDL but below the PQL.

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LABORATORY ANALYSIS REPORT

POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSIS BY GC/MS

PAHs by EPA SW-846 8270C

ACCOUNT: 2110-00-1
CLIENT: HRP Associates
ADDRESS: 105 Lakehill Road
Burnt Hills , NY 12027
PO NO.:
PROJECT NAME:
PROJECT NO.: GLE 2000.P2 (T-3)
JOB LOCATION: 42 Ridge St. Glenn Falls, NY

DATE COLLECTED: 10/24/00
DATE RECEIVED: 10/26/00
DATE ANALYZED: 10/27/00
DATE REPORTED: 10/31/00

SLI Sample No.: 1786571
Client Sample No.: UST-E
Sample Matrix: Soil

Compound	Concentration µg/Kg	**PQL µg/Kg
Acenaphthene	< 10000	< 10000
Acenaphthylene	< 10000	< 10000
Anthracene	< 10000	< 10000
Benzo(a)anthracene	< 10000	< 10000
Benzo(a)pyrene	< 10000	< 10000
Benzo(b)fluoranthene	1000 J	< 10000
Benzo(k)fluoranthene	< 10000	< 10000
Benzo(g,h,i)perylene	< 10000	< 10000
Chrysene	< 10000	< 10000
Dibenzo(a,h)anthracene	< 10000	< 10000
Fluoranthene	1100 J	< 10000
Fluorene	< 10000	< 10000
Indeno(1,2,3-cd)pyrene	< 10000	< 10000
Naphthalene	< 10000	< 10000
Phenanthrene	< 10000	< 10000
Pyrene	< 10000	< 10000

Analyst: CHRIS B. MCFARLANE

Reviewed By: Homiyar N. Choksi

***PQL: Practical Quantitation Limit is defined as the minimum reporting limit for the sample, as determined by instrument sensitivity, dilution factor and methods used to extract the sample to isolate target compounds*

J value indicates the compound was above the MDL but below the PQL.

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Excellence in Service and Technology

AIHA 8936, ELLAP 8936, NVLAP 1150, NYELAP 11413, CAELAP 2078, NC 593, SC 93003

LABORATORY ANALYSIS REPORT

VOLATILE ORGANICS ANALYSIS

EPA SW-846 Method 8260B

ACCOUNT:	2110-00-1	**Date Collected:**	10/24/00
CLIENT:	HRP Associates	**Date Received:**	10/26/00
ADDRESS:	105 Lakehill Road Burnt Hills NY 12027	**Date Reported:**	11/1/00
PO NO.:			
PROJECT NAME:			
PROJECT NO.:	GLE 2000.P2 (T-3)		
JOB LOCATION:	42 Ridge St. Glenns Falls, NY		

SLI Sample No.:	1786568	1786569	1786570	1786571
Client Sample No.:	1	2	3	4
Sample Type:	Solid	Solid	Solid	Solid
Sample Analysis Date:	10/27/00	10/27/00	10/27/00	10/27/00

Compound	Concentration (µg/kg)	Concentration (µg/kg)	Concentration (µg/kg)	Concentration (µg/kg)	PQL* (µg/kg)
Benzene	BDL	BDL	BDL	BDL	1.0
n-Butylbenzene	BDL	BDL	BDL	BDL	1.0
sec-Butylbenzene	BDL	BDL	BDL	BDL	1.0
tert-Butylbenzene	BDL	BDL	BDL	BDL	1.0
Ethylbenzene	BDL	BDL	BDL	BDL	1.0
Isopropylbenzene	BDL	BDL	BDL	BDL	1.0
p-Isopropyltoluene	BDL	BDL	BDL	BDL	1.0
Naphthalene	BDL	BDL	BDL	BDL	1.0
n-Propylbenzene	BDL	BDL	BDL	BDL	1.0
Toluene	5.6	BDL	3.1	BDL	1.0
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	1.0
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	1.0
m-,p-Xylene	BDL	BDL	BDL	BDL	4.0
o-Xylene	BDL	BDL	BDL	BDL	2.0

Surrogate Compounds for Quality Control, Expressed as Percent Recovery				
Dibromofluoromethane	96 %	99 %	94 %	92 %
1,2-Dichloroethane d-4	79 %	86 %	74 %	70 %
Toluene d-8	102 %	103 %	105 %	107 %
4-Bromofluorobenzene	102 %	103 %	104 %	105 %

Analyst: MELINDA B. LEWIS

Reviewed By HOMIYAR N. CHOKSI

All testing is done in strict accordance with Schneider Laboratories, Inc. protocol. The PQL (Practical Quantitation Limit) is defined as the minimum reporting limit as determined by instrument sensitivity, dilution factor, and method.

BDL (Below Detection Limit) refers to analysis results less than the PQL indicated.

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INCORPORATED

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AIHA 8936, ELLAP 8936, NVLAP 1150, NYELAP 11413, CAELAP 2078, NC 593, SC 93003

LABORATORY ANALYSIS REPORT

VOLATILE ORGANICS ANALYSIS

EPA SW-846 Method 8260B

ACCOUNT:	2110-00-1	**Date Collected:**	10/24/00
CLIENT:	HRP Associates	**Date Received:**	10/26/00
ADDRESS:	105 Lakehill Road Burnt Hills NY 12027	**Date Reported:**	11/1/00
PO NO.:			
PROJECT NAME:			
PROJECT NO.:	GLE 2000.P2 (T-3)		
JOB LOCATION:	42 Ridge St. Glenns Falls, NY		

SLI Sample No.:	1786572	1786573
Client Sample No.:	5	6
Sample Type:	Solid	Solid
Sample Analysis Date:	10/27/00	10/27/00

Compound	Concentration (µg/kg)	Concentration (µg/kg)	PQL* (µg/kg)
Benzene	BDL	BDL	1.0
n-Butylbenzene	BDL	BDL	1.0
sec-Butylbenzene	BDL	BDL	1.0
tert-Butylbenzene	BDL	BDL	1.0
Ethylbenzene	BDL	BDL	1.0
Isopropylbenzene	BDL	BDL	1.0
p-Isopropyltoluene	BDL	BDL	1.0
Naphthalene	BDL	BDL	1.0
n-Propylbenzene	BDL	BDL	1.0
Toluene	2.0	BDL	1.0
1,2,4-Trimethylbenzene	BDL	BDL	1.0
1,3,5-Trimethylbenzene	BDL	BDL	1.0
m-,p-Xylene	BDL	BDL	4.0
o-Xylene	BDL	BDL	2.0

Surrogate Compounds for Quality Control, Expressed as Percent Recovery

Dibromofluoromethane	93 %	98 %
1,2-Dichloroethane d-4	73 %	83 %
Toluene d-8	105 %	106 %
4-Bromofluorobenzene	103 %	105 %

Analyst: MELINDA B. LEWIS

Reviewed By HOMIYAR N. CHOKSI

All testing is done in strict accordance with Schneider Laboratories, Inc. protocol. The PQL (Practical Quantitation Limit) is defined as the minimum reporting limit as determined by instrument sensitivity, dilution factor, and method.

BDL (Below Detection Limit) refers to analysis results less than the PQL indicated.

HRP Associates, Inc. 105 Lake Hill Road (518) 399-1174 Fax: (518) 399-2939	**HRP** CHAIN OF CUSTODY	Sheet 1 of 2 Job Number Gle2000.PL(T-3) Project Manager JRS

Place and Address of Collection [redacted]
42 Ridge St., Glenns Falls, NY

Sampler's Name (Signature) [signature]

Assistant (witness) (Signature)

Sample Number	Sample Location	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
1	UST-B1	6[redacted] oz	cool	10/24	3:55		X			
2	UST-B2	6[redacted] oz	cool	10/24	4:00		X			
3	UST-N	6[redacted] oz	cool	10/24	3:30		X			
4	UST-E	6[redacted] oz	cool	10/24	3:45		X			
5	UST-S	6[redacted] oz	cool	10/24	3:40		X			

Relinquished By (Signature) [signature]	Received By (Signature)	Date	Time
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name and Address of Laboratory Schneider Lab. Inc., 2512 West Cary St., Richmond VA. 23220

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ no Required | Filter ☐ | Adjust pH to _____ | Other ☐

Priority ☐ 24 hours ☐ 48 hours ☐ 3 days ☐ 5 days

ANALYSES REQUIRED

Parameters	Sample Number 1	2	3	4	5	Parameters	Sample Number 1	2	3	4	5
pH						EPA 1664					
Ag						TPH					
As						TPH 8015 MOD (Diesel)					
Ba						TPH 8015 MOD (Gas)					
Cd						Oil & Grease					
Cr						8021B (Halogenated)					
Hg						8021B (STARS)	X	X	X	X	X
Pb mass anal.	X	X	X	X	X	8021B (complete)					
Se						8360B VOCS					
8RCRA metals						524.2 VOCs					
Cu						8270C (STARS)	X	X	X	X	X
Ni						8100					
Zn											
TSS											
TDS											
Phosphorous											
NO_3											
Coliform											
Hardness											
Sulfate											
PCBs											

Remarks

Shannon Hall 10/28/00 10:20A UPS

1Z F02 46X 22 1000 052 8

HRP Associates, Inc. 105 Lake Hill Road (518) 399-1174 Fax: (518) 399-2939	**HRP** CHAIN OF CUSTODY	Sheet 2 of 2 Job Number Gle2000.P2(T-3) Project Manager JRS

Place and Address of Collection [redacted]
42 Ridge St., Glens Falls, NY

Sampler's Name (Signature) Christopher Bolton

Assistant (witness) (Signature)

Sample Number	Sample Location	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
6	UST-W	60z	Cool	10/24	3:50		X			

Relinquished By (Signature) Christopher Bolton	Received By (Signature)	Date	Time
~~Relinquished~~ By (Signature) Unsigned	Received By (Signature)	Date	Time

Name and Address of Laboratory [redacted] SCHNEIDER LAB. INC., 2512 WEST CARY ST., RICHMOND VA 23220

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ As required | Filter ☐ | Adjust pH to _____ | Other ☐

Priority ☐ 24 hours ☐ 48 hours ☐ 3 days ☐ 5 days

ANALYSES REQUIRED

Parameters	Sample Number: 6					Parameters	Sample Number: 6				
pH						EPA 1664					
Ag						TPH					
As						TPH 8015 MOD (Diesel)					
Ba						TPH 8015 MOD (Gas)					
Cd						Oil & Grease					
Cr						8021B (Halogenated)					
Hg						8021B (STARS)	X				
Pb (mass)	X					8021B (complete)					
Se						8360B VOCS					
8RCRA metals						524.2 VOCs					
Cu						8270C (STARS)	X				
Ni						8100					
Zn											
TSS											
TDS											
Phosphorous											
NO_3											
Coliform											
Hardness											
Sulfate											
PCBs											

Remarks

Shanna Hall 10/26/00 10:20A UPS

SCHNEIDER LABORATORIES

INCORPORATED

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AIHA 8936, ELLAP 8936, NVLAP 1150, NYELAP 11413, CAELAP 2078, NC 593, SC 93003

LABORATORY ANALYSIS REPORT

Lead Analysis by EPA 3050B/7420 Method

ACCOUNT #: 2110-00-2
CLIENT: HRP Associates
ADDRESS: 105 Lakehill Road
Burnt Hills, NY 12027
PO NO.:
PROJECT NAME: 42 Ridge St.
PROJECT NO: GLE2000-P2(T-3)
JOB LOCATION: Glenn Falls NY

DATE COLLECTED: 10/24/2000
DATE RECEIVED: 10/26/2000
DATE ANALYZED: 10/28/2000
DATE REPORTED: 10/30/2000

SAMPLE TYPE: SOIL

SLI Sample No.	Client Sample No.	Sample Description	Sample Wt (mg)	Dilution Factor	Total Lead (µg)*	Lead Conc (% by wt)	Lead Conc PPM
1786650	1	UST-B1	1,698	1	< 20.0	< 0.001	< 10
1786651	2	UST-B2	1,779	1	43.7	0.002	20
1786652	3	UST-N	1,014	1	250.9	0.025	250
1786653	4	UST-E	1,317	1	250.9	0.019	190
1786654	5	UST-S	1,435	1	< 20.0	< 0.001	< 10
1786655	6	UST-W	1,125	1	779.0	0.069	690
	QC - 15626	10.0 ppm Calibration Std			1,016.4	101.6%	
	QC - 15626	200 µg spike			200.8	100.4%	
	QC - 15626	5.0 ppm Calibration Std			504.9	101.0%	
	QC - 15626	Blank			< 20.0		
	QC - 15626	NIST 2710 Standard			561.8	101.5%	

ANALYST: AMY J. COLOSIMO
Total no. of pages in report = 1

REVIEWED BY James M. Vescio, Supervisor

*Minimum Reporting Limit: 20 µg Total Lead. EPA Recommendations for Pb-Contaminated Bare Soil: abatement, permanent barriers, and public notice for Pb conc >5000 ppm; barriers and interim controls to change use patterns for Pb conc 400-5000 ppm (areas with expected child contact) or for Pb conc 2000-5000 ppm (areas where child contact is infrequent). The EPA has not established specific soil clearance criteria for industrial lead paint removal projects; limits are typically established per project. *For true values, assume two (2) significant figures.*

2110-2

HRP Associates, Inc. 105 Lake Hill Road (518) 399-1174 Fax: (518) 399-2939	**HRP** CHAIN OF CUSTODY	Sheet 1 of 2 Job Number Gle 2000.PL(T-3) Project Manager JRS

Place and Address of Collection
42 Ridge St., Glenns Falls, NY

Sampler's Name (Signature) Christopher Fuller

Assistant (witness) (Signature)

Sample Number	Sample Location	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
1	UST-B1	6 oz	cool	10/24	3:55		X			
2	UST-B2	6 oz	cool	10/24	4:00		X			
3	UST-N	6 oz	cool	10/24	3:30		X			
4	UST-E	6 oz	cool	10/24	3:45		X			
5	UST-S	6 oz	cool	10/24	3:40		X			

Relinquished By (Signature) Christopher Fuller	Received By (Signature)	Date	Time
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name and Address of Laboratory Schneider Lab. Inc., 2512 West Carey St., Richmond VA. 23220

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ No Required | Filter ☐ | Adjust pH to _____ | Other ☐

Priority ☐ 24 hours ☐ 48 hours ☐ 3 days ☐ 5 days

ANALYSES REQUIRED

Parameters	Sample Number 1	2	3	4	5	Parameters	Sample Number 1	2	3	4	5
pH						EPA 1664					
Ag						TPH					
As						TPH 8015 MOD (Diesel)					
Ba						TPH 8015 MOD (Gas)					
Cd						Oil & Grease					
Cr						8021B (Halogenated)					
Hg						8021B (STARS)	X	X	X	X	X
Pb mass anal.	X	X	X	X	X	8021B (complete)					
Se						8360B VOCS					
8RCRA metals						524.2 VOCs					
Cu						8270C (STARS)	X	X	X	X	X
Ni						8100					
Zn											
TSS											
TDS											
Phosphorous											
NO_3											
Coliform											
Hardness											
Sulfate											
PCBs											

Remarks

Shanna Hall 10/26/00 1020A UPS

1Z F02 46X 22 1000 052 8

HRP Associates, Inc. 105 Lake Hill Road (518) 399-1174 Fax: (518) 399-2939	**HRP** CHAIN OF CUSTODY	Sheet 2 of 2 Job Number Gle2000.P2(T-3) Project Manager JRS

Place and Address of Collection [redacted]
42 Ridge St., Glens Falls, NY

Sampler's Name (Signature) Christopher Baker

Assistant (witness) (Signature)

Sample Number	Sample Location	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
6	UST-W	602	cool	10/24	3:50		X			

Relinquished By (Signature) Christopher Baker	Received By (Signature)	Date	Time
~~Relinquished~~ By (Signature)	Received By (Signature)	Date	Time

Name and Address of Laboratory [redacted] SCHNEIDER LAB. INC., 2512 WEST CARY ST., RICHMOND VA 23220

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ As required | Filter ☐ | Adjust pH to _____ | Other ☐

Priority ☐ 24 hours ☐ 48 hours ☐ 3 days ☐ 5 days

ANALYSES REQUIRED

Parameters	Sample Number					Parameters	Sample Number				
	6						6				
pH						EPA 1664					
Ag						TPH					
As						TPH 8015 MOD (Diesel)					
Ba						TPH 8015 MOD (Gas)					
Cd						Oil & Grease					
Cr						8021B (Halogenated)					
Hg						8021B (STARS)	X	✓			
Pb (mass)	X					8021B (complete)					
Se						8360B VOCS					
8RCRA metals						524.2 VOCs					
Cu						8270C (STARS)	X				
Ni						8100					
Zn											
TSS											
TDS											
Phosphorous											
NO_3											
Coliform											
Hardness											
Sulfate											
PCBs											

Remarks

Shannon Hall 10/26/00 10:20A UPS

APPENDIX D

CONCRETE/SOIL MANIFESTS

ESMI of NEW YORK

Environmental Soil Management of New York
Profile Sheet

ESMI Customer: Albany Tank Services

Customer Address: P.O. Box 331 City: Ravena State: NY Zip: 12143

Contact: Dale Hitchcock Telephone: [1] 5187566527 Fax: [1] 5187566527

Site Contact: DALE Hitchcock Telephone/Cell: (518) 365-8868 Pager: ( ) —
Loading Contractor(optional) — Phone: (518) 756-6527

X Site Name: FORMER AMOTO'S RESTAURANT Property Owner Phone (518) 761-3864

X Site Address: 34 RIDGE ST City: GLENFALL State: NY Zip: 12801

History of Site Use: ☐Residential ☒Commercial ☐Industrial
If commercial or Industrial, please describe History of Site: GAS STATION

Event/process generating waste: ☒Leaking UST ☐Leaking AST ☐Surface Spill other(*describe*): _____

Waste Material Description: ***Soil/Media contaminated with:*** the below described material is (initial one)

DM NON-HAZARDOUS **VIRGIN** PETROLEUM CONTAMINATED SOIL (check below)
☐#2, #4, or #6 Fuel Oil ☐Diesel ☒Gasoline ☐ Motor oil ☐Hydraulic Oil ☐Mixed (gas/fuels) ☐Kerosene

___ NON-HAZARDOUS **NON-VIRGIN** PETROLEUM CONTAMINATED SOIL (check below)
☐ Mixed Fuels ☐ Used Motor Oil ☐Waste Oil /UST ☐Metal Cutting/Cooling Oils ☐Hydraulic Oil

___ NON-HAZARDOUS COAL TAR/ PCB's CONTAMINATED SOIL (check below)
☐Coal Tar ☐PCB's <1 ppm

Approximate Tonnage 8
Are there any known or suspected past releases of contaminants other than the above listed? NO X YES ___
If YES, Specify _____

Are there any known or suspected presence of Pesticides, Herbicides, PCB's, Lead or Arsenic? NO X YES ___
If YES, Specify _____

I hereby certify, That I am a responsible official of the generator of the material being disposed of and, that the transport, treatment and recycling of the contaminated materials do not violate any laws or regulations of the state of origin and, that the information within is complete and accurate.

Signature: Dale Hitchcock Date: 11/6/2000

Typed/Printed Name: DALE Hitchcock Company: ALBANY TANK Services

Check One: Owner ___ Generator ___ Contractor X Consultant ___ Other (explain) _____

Acceptance of all projects are predicated on the review of this form and the analytical results of the material to be received.

ALBANY TANK SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

P.O. Box 331 • Ravena, NY 12143
(518) 756-6527

JOB NUMBER _____ PICK-UP NUMBER _____

GENERATOR

Generator Name AMATO'S Restaurant Generating Location Same
Address 30-34 Ridge St. Address _____
Glens Falls N.Y
Phone No. 518 — 3991174 Phone No. ___ — _____

Description of Waste	Check	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol
Waste Flammable Liquid N.O.S. (_____) UN 1993 II					
Waste Combustible Liquid N.O.S. (_____) NA 1993 III					
Oil Soaked Dirt/Debris					
Gasoline Soaked Dirt/Debris	✓	001		3 Tows	
Other - Explain				3.9 Tons	

Dale Hitchcock agent for Mgr. Mary Ann Baird
Generator Authorized Agent Name

TRANSPORTER

Transporter Name Albany Tank Services, Inc.
Address P.O. Box 331
Ravena, NY 12143
Phone No. 518 — 7566527

Driver Name (print) Dale Hitchcock
Vehicle License No./State XV 3010
Vehicle 95 Dodge 1 Ton
In case of Emergency, call 1-518-756-6527

Dale Hitchcock
Driver Signature

111700
Shipment Date

NYS D.E.C. Permit# 4A - 330
EPA# NYR000060087

DESTINATION

Site Name ESMI OF New York Phone No. 518 — 747550
Address 304 Towpath Rd Ft Edward N.Y.

ALBANY TANK SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

P.O. Box 331 • Ravena, NY 12143
(518) 756-6527

JOB NUMBER _____ PICK-UP NUMBER _____

GENERATOR

Generator Name AMATO'S Restaurant — Generating Location Same
Address 30-34 Ridge St — Address _____
Glens Falls N.Y
Phone No. 518 — 3991179 — Phone No. _____

Description of Waste	Check	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol
Waste Flammable Liquid N.O.S. (_____) UN 1993 II					
Waste Combustible Liquid N.O.S. (_____) NA 1993 III					
Oil Soaked Dirt/Debris					
Gasoline Soaked Dirt/Debris	✓	001		30 Tons	
Other - Explain				1.714 Tons	

Dale Hitchcock agent for Amato — Maryann Bans
Generator Authorized Agent Name

TRANSPORTER

Transporter Name Albany Tank Services, Inc.
Address P.O. Box 331
Ravena, NY 12143
Phone No. 518 — 7566527

Driver Name (print) Dale Hitchcock
Vehicle License No./State NY 7C10
Vehicle 95 Dodge
In case of Emergency, call 1-518-756-6527

Dale Hitchcock
Driver Signature

11700
Shipment Date

NYS D.E.C. Permit# 4A - 330
EPA# NYR000060087

DESTINATION

Site Name ESMI OF New York — Phone No. 518 — 7975500
Address 334 Fourth St Ft Edward N.Y

ALBANY TANK SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

P.O. Box 331 • Ravena, NY 12143
(518) 756-6527

JOB NUMBER _____ PICK-UP NUMBER _____

GENERATOR

Generator Name Amato's Restaurant Generating Location same
Address 30-34 Ridge St Address _____
Glens Falls N.Y
Phone No. 518 — 3991174 Phone No. _____

Description of Waste	Check	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol
Waste Flammable Liquid N.O.S. (_____) UN 1993 II					
Waste Combustible Liquid N.O.S. (_____) NA 1993 III					
Oil Soaked Dirt/Debris					
Gasoline Soaked Dirt/Debris	✓	001		3 TONS	
Other - Explain				3.35 ton	
				mb	

Dale Aitchuck agent for Amato
Generator Authorized Agent Name

Maryann Bang

TRANSPORTER

Transporter Name Albany Tank Services, Inc.
Address P.O. Box 331
Ravena, NY 12143
Phone No. 518 — 7562527

Driver Name (print) Dale Hitchcock
Vehicle License No./State YV2016
Vehicle 3/4 Dodge 1 Ton
In case of Emergency, call 1-518-756-6527

Dale Aitchuck
Driver Signature

11/30/10
Shipment Date

NYS D.E.C. Permit# 4A - 330
EPA# NYR000060087

DESTINATION

Site Name ESMI of New York Phone No. 518 — 7972550
Address 204 Townsend Rd Ft Edward NY

ESMI OF NEW YORK
304 Towpath Rd.
Fort Edward NY 12828
(518) 747 - 5500

Transaction No. 025313 Time In Time Out 09:44 Date 11-17-00

Customer Name: Albany Tank Services
P.O. Box 331
Ravena, NY

Gross: 13960 lb
Tare : 7260 lb STO
==========
Net : 6700 lb

Truck No. : AT-1
Hauler : ALBANY TANK

Net Tons : 3.35

Product No. : 10
Description : VIRGIN FUELS
Metals/NonMetals:

Notes:

Job No. : 4135
Job Site : FORMER AMOTO'S REST.
Job Address: 34 RIDGE STREET
Job City : GLENS FALLS,NY
Job State : NY

Weigh Master : MaryAnn Baird Driver : Dale Hitchcock

Weigh Master #: 530004

Weight This Ticket : 3.35

Cum Job Weight 7.25

TPH 0.000

Est. Total Job 150.00

ESMI OF NEW YORK
304 Towpath Rd.
Fort Edward NY 12828
(518) 747 - 5500

Transaction No. 025310 Time In Time Out 08:56 Date 11-17-00

Customer Name: Albany Tank Services
P.O. Box 331
Ravena, NY

Gross: 15060 lb
Tare : 7260 lb STO
Net : 7800 lb

Truck No. : AT-1
Hauler : ALBANY TANK

Net Tons : 3.90

Product No. : 10
Description : VIRGIN FUELS
Metals/NonMetals:

Notes:

Job No. : 413
Job Site : FORMER AMOTO'S REST.
Job Address: 34 RIDGE STREET
Job City : GLENS FALLS,NY
Job State : NY

Weigh Master : MaryAnn Baird Driver : Dale Whitbeck

Weigh Master #: 530004

Weight This Ticket: 3.90

Cum Job Weight 3.90

TPH 0.000

Est. Total Job 150.00

ESMI OF NEW YORK
304 Towpath Rd.
Fort Edward NY 12828
(518) 747 - 5500

Transaction No. 025315 Time In Time Out 10:50 Date 11-17-00

Customer Name: Albany Tank Services
P.O. Box 331
Ravena, NY

Gross: 10740 lb
Tare : 7260 lb STO
Net : 3480 lb

Truck No. : AT-1
Hauler : ALBANY TANK

Net Tons : 1.74

Product No. : 10
Description : VIRGIN FUELS
Metals/NonMetals:

Notes:

Job No. : 413
Job Site : FORMER AMOTO'S REST.
Job Address: 34 RIDGE STREET
Job City : GLENS FALLS,NY
Job State : NY

Weigh Master : MaryAnnBaird Driver : Dale Pittsnark

Weigh Master #: 530004

Weight This Ticket: 1.74

Cum Job Weight 8.99

TPH 0.000

Est. Total Job 150.00

L. Harris Co. Inc.

Box 219 Pickle Hill Road
Queensbury, NY 12804
(518) 639-8331

Customer's
Order No. _____ Date 10/31/2000
M Albany Tank
Address _____

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	
CH					

QTY	DESCRIPTION	AMOUNT	
	Rec'd. 10 yds. of concrete for recycling.		

Net 10 days. A finance charge of 1 1/4% per month will be charged upon unpaid balance.
Customer agrees to pay all attorney or collection fees.
ALL claims and returned goods MUST be accompanied by this bill.

Received by _____

21621

APPENDIX E

BORING AND MONITORING WELL COMPLETION LOGS

Project: Glens Falls-Ridge Street
HRP Job #: GLE6000.P2(T-3)
Contractor: North Star Drilling

Type: MacroCore
I.D.: 1.75"
Location: Southwest of former underground storage tanks

HRP ASSOCIATES, INC.
ENGINEERING & GEOLOGY
DRILLING LOG

Hammer (wt/Fall): N/A
Rig Type: Geoprobe

Hole # GF-6
Well # N/A
Sheet No. 1

Start: 11/07/2000
Finish: 11/07/2000
Driller: Steve Laramie
HRP Rep: CJB/LS

Depth (6" intervals)	Mircro-core Samples	Sample Interval	Recovery (ft)	Density or Consistency/ Moisture	Profile Change	Remarks (color, structure, grain size, stating, odor, PID)	PID (ppm)
0						Dark Grey-Black Pavement, Gravel subbase; No Odor	(0-2')
1						(Fill Material)	6 (HS)
2		0 - 4'	2.3'	med/dry	2'	Brown fine SAND, little fine gravel;	1 (SS)
3						No Odor	(2-4')
4						(Sand)	1.7 (HS)
5							1 (ss)
6		4' - 8'	3.1'	low/dry		Brown/Tan fine SAND;	(4-6')
7						Slight Petroleum Oder	2.8 (HS)
8						(Sand)	10 (SS)
9						Dark Brown-Grey crs. to med GRAVEL, some fine sand; No Odor	(6-8')
10		8' - 12'	4'	med/dry	10'	(Sand and Gravel)	1.8 (HS)
11						Brown/Tan fine SAND, varved; No Odor	0 (SS)
12						(Sand)	(8-10')
13							5.8 (HS)
14		12' - 15.5'	3.5'	med/moist to wet			5 (SS)
15				GW=14'	14'	Brown med-fine SAND, No Odor	(10-12')
16						(Sand)	2.8 (HS)
17							0 (SS)
						Dark Grey-Brown fine SAND, some med-fine gravel, fill, shale, rubble;	(12-14')
						No Odor	5.8 (HS)
						(Sand)	1 (SS)
						Brown med-fine SAND, No Odor	(14-15.5')
						(Sand)	2.5 (HS)
							1 (SS)
						End of Boring	HS - Head Space
						Refusal at 15.5'	SS - Soil Sample
						T.D.=15.5'	

GROUNDWATER OBSERVATIONS

Depth	Date	Casing/ Screen	Stability Time

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. Falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistence
0 - 4 very loose	0 - 2 very soft
5 - 9 loose	3 - 4 soft
10 - 29 med. dense	5 - 8 m/stiff
30 - 49 dense	9 - 15 stiff
50+ very dense	16 - 30 v/stiff
	31+ hard

Proportions

trace 0-10%
little 10-20%
some 20-35%
and 30-50%

Project: Glens Falls-Ridge Street
HRP Job #: GLE6000.P2(T-3)
Contractor: North Star Drilling

Type: MacroCore
I.D.: 1.75"
Location: Immediately south of former underground tanks

HRP ASSOCIATES, INC.
ENGINEERING & GEOLOGY
DRILLING LOG

Hammer (wt/Fall): 1
Rig Type: Geoprobe

Hole # GF-7
Well # N/A
Sheet No. 1

Start: 11/07/2000
Finish: 11/07/2000
Driller: Steve Laramie
HRP Rep: CJB

Depth (6" intervals)	Sampler Blows per 6"	Sample Interval	Recovery (ft)	Density or Consistency/ Moisture	Profile Change	Remarks (color, structure, grain size, stating, odor, PID)	PID (ppm)
0						Dark Grey-Black Pavement, Gravel subbase; Slight Odor, (petroleum?)	(0-2')
1							7.2 (HS)
					1'	Dark Brown fine SAND;	4 (SS)
2		0 - 4'	2.4'	med/dry		fill noted (cinders, etc.)	
3							(2-4')
						Same; slight odor (petroleum?)	1.4 (HS)
4							0 (SS)
					4.5'	Brown/Tan fine sand, varved, No Odor	(4-4.5')
5							0 (HS)
							10 (SS)
6		4' - 8'	2.8'	low/dry			(4-6')
							3.8 (HS)
7							0 (SS)
							(6-8')
8						Same; No Odor	2.4 (HS)
							0 (SS)
9							(8-8.5')
							0 (HS)
10		8' - 12'	3.1'	med/moist			1 (SS)
					10'-10.5'	Brown/Tan fine SAND, trace silt, varved;	(8-10')
11						No Odor, iron staining	5 (HS)
							0 (SS)
12							(10-12')
						Same; Slight Odor	1.6 (HS)
13							0 (SS)
							(12-14')
14		12' - 15'	3.0'	med/moist to wet	14'	Brown med-fine SAND, trace fine gravel;	3.4 (HS)
				GW=14'		No Odor	2 (SS)
15							(14-15')
							2.6 (HS)
16							0 (SS)
						End of Boring	
17						Refusal at 15.0'	
						T.D.=15.0'	

GROUNDWATER OBSERVATIONS			
Depth	Date	Casing/ Screen	Stability Time

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. Falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistence	Proportions
0 - 4 very loose	0 - 2 very soft	trace 0-10%
5 - 9 loose	3 - 4 soft	little 10-20%
10 - 29 med. dense	5 - 8 m/stiff	some 20-35%
30 - 49 dense	9 - 15 stiff	and 30-50%
50+ very dense	16 - 30 v/stiff	
	31+ hard	

Project: Glens Falls-Ridge Street
HRP Job #: GLE6000.P2(T-3)
Contractor: North Star Drilling

Type: MacroCore
I.D.: 1.75"
Location: Southeast of former underground tanks

HRP ASSOCIATES, INC.
ENGINEERING & GEOLOGY
DRILLING LOG

Hammer (wt/Fall): N/A
Rig Type: Geoprobe

Hole # GF-8
Well # N/A
Sheet No. 1

Start: 11/07/2000
Finish: 11/07/2000
Driller: Steve Laramie
HRP Rep: CJB

Depth (6" intervals)	Macro-core Samples	Sample Interval	Recovery (ft)	Density or Consistency/ Moisture	Profile Change	Remarks (color, structure, grain size, stating, odor, PID)	PID (ppm)
0						Dark Grey-Black Pavement, Gravel subbase;	(0-2') 4.4 (HS) 0 (SS)
1					1'	Dark Brown fine SAND; trace silt, trace fine gravel; No Odor (Fill)	
2		0 - 4'	2.5'	med/dry			(2-4') 2.6 (HS) 0 (SS)
3							
4							(4-6') 5.0 (HS) 0 (SS)
5							
6		4' - 8'	2.5'	med/dry		Brown-grey-red Fill (brick, ash, shale, rubble, cinders, etc.); No Odor (Fill)	(6-8') 1.8 (HS) 0 (SS)
7							
8					8.5'	Brown-tan fine SAND; No Odor (Sand)	(8-10') 4.6 (HS) 0 (SS)
9							
10		8' - 12'	3.2'	med/moist to wet GW=11.5'			(10-12') 3.0 (HS) 0 (SS)
11					11'	Brown-orange med-fine SAND; No Odor	
12						End Of Boring T.D.=12'	
13							
14							
15							
16							
17							

GROUNDWATER OBSERVATIONS

Depth	Date	Casing/ Screen	Stability Time

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. Falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistence
0 - 4 very loose	0 - 2 very soft
5 - 9 loose	3 - 4 soft
10 - 29 med. dense	5 - 8 m/stiff
30 - 49 dense	9 - 15 stiff
50+ very dense	16 - 30 v/stiff
	31+ hard

Proportions

trace 0-10%
little 10-20%
some 20-35%
and 30-50%

Project: Glens Falls-Ridge Street
HRP Job #: GLE6000.P2(T-3)
Contractor: North Star Drilling

Type: MacroCore
I.D.: 1.75"
Location: East of Former underground Tanks

HRP ASSOCIATES, INC.
ENGINEERING & GEOLOGY
DRILLING LOG

Hammer (wt/Fall): N/A
Rig Type: Geoprobe

Hole # GF-9
Well # N/A
Sheet No. 1

Start: 11/07/2000
Finish: 11/07/2000
Driller: Steve Laramie
HRP Rep: CJB

Depth (6" intervals)	Macro-Core Samples	Sample Interval	Recovery (ft)	Density or Consistency/ Moisture	Profile Change	Remarks (color, structure, grain size, stating, odor, PID)	PID (ppm)
0						Dark Grey-Black Pavement, Gravel subbase;	(0-2') 2.6 (HS) 0 (SS)
1					1'	Brown fine SAND; some Fill (brick,	
2		0 - 4'	2.9'	med/dry		shale, rubble, cinders); NO Odor (Fill)	(2-4') 0.4 (HS) 0 (SS)
3							
4						Same; No Odor (Fill)	(4-6') 1.8 (HS) 3 (SS)
5							
6		4' - 8'	2.9'	med/dry	6'	Brown-grey-red Fill (brick, ash, shale, rubble, cinders, etc.); No Odor (Fill)	(6-8') 0.2 (HS) 2 (SS)
7							
8							(8-10') 0.2 (HS)
9						Same, some Fill noted; (8'-10')	2 (SS)
10		8' - 12'	NA	med/moist to wet GW=12.0'			(10-12') 0 (HS)
11							0 (SS)
12						Dark Brown-grey, crs gavel, some fine Sand; fill (brick, shale, rubble); No Odor (Fill)	(12-14') 0.6 (HS)
13					13'	Brown med-fine SAND; No Odor (Sand)	0 (SS)
14		12' - 15'	3'	med/wet			(14-15') 0.2 (HS)
15							0 (SS)
16						End of Boring Refused at 15' T.D.=15'	
17							

GROUNDWATER OBSERVATIONS

Depth	Date	Casing/ Screen	Stability Time

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. Falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistence
0 - 4 very loose	0 - 2 very soft
5 - 9 loose	3 - 4 soft
10 - 29 med. dense	5 - 8 m/stiff
30 - 49 dense	9 - 15 stiff
50+ very dense	16 - 30 v/stiff
	31+ hard

Proportions

trace 0-10%
little 10-20%
some 20-35%
and 30-50%

Project: Glens Falls-Ridge Street
HRP Job #: GLE6000.P2(T-3)
Contractor: North Star Drilling

Type: MacroCore
I.D.: 1.75"
Location: Noorthwest of Site Alley,, Near Anomly

HRP ASSOCIATES, INC.
ENGINEERING & GEOLOGY
DRILLING LOG

Hammer (wt/Fall): N/A
Rig Type: Geoprobe

Hole # GF-10
Well # N/A
Sheet No. 1

Start: 11/07/2000
Finish: 11/07/2000
Driller: Steve Laramie
HRP Rep: CJB

Depth (6" intervals)	Sampler Blows per 6"	Sample Interval	Recovery (ft)	Density or Consistency/ Moisture	Profile Change	Remarks (color, structure, grain size, stating, odor, PID)	Depth (ppm)
0						Gravel Surface	(0-2')
						Grey to black med-fine SAND, trace silt,	4.4 (HS)
1						little fine gravel (fill); No Odor	0 (SS)
						(Fill)	
2		0 - 4'	3.1'	low/dry	2'	Brown fine SAND: minor amount of fill	(2-4')
						(brick); No Odor	2.4 (HS)
3							0 (SS)
4							(4-6')
							2.2 (HS)
5							0 (SS)
6		4' - 8'	3.3'	low/dry		Same, No Odor	(6-8')
							2 (HS)
7							0 (SS)
8						Same; No Odor	(8-10')
							2.4 (HS)
9							0 (SS)
10		8' - 12'	4'	low/dry			(10-12')
							2 (HS)
11							0 (SS)
12							(12-14')
							4.4 (HS)
13						Same; No Odor	0 (SS)
14		12' - 16'	3.8'	low/moist to wet	14.1'-14.7'	Brown-tan fine SAND, little silt; No Odor	(14-16')
				GW=14.6'	14.7'	Brown med - fine SAND, trace fine	3 (HS)
15						Gravel; No Odor	0 (SS)
16						End of Boring	
						T.D.=16'	
17							

GROUNDWATER OBSERVATIONS

Depth	Date	Casing/ Screen	Stability Time

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. Falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistence
0 - 4 very loose	0 - 2 very soft
5 - 9 loose	3 - 4 soft
10 - 29 med. dense	5 - 8 m/stiff
30 - 49 dense	9 - 15 stiff
50+ very dense	16 - 30 v/stiff
	31+ hard

Proportions

trace 0-10%
little 10-20%
some 20-35%
and 30-50%

Project: Glens Falls-Ridge Street
HRP Job #: GLE6000.P2(T-3)
Contractor: North Star Drilling

Type: MacroCore
I.D.: 1.75"
Location: Alley

HRP ASSOCIATES, INC.
ENGINEERING & GEOLOGY
DRILLING LOG

Hammer (wt/Fall): N/A
Rig Type: Geoprobe

Hole # GF-11
Well # N/A
Sheet No. 1

Start: 11/07/2000
Finish: 11/07/2000
Driller: Steve Laramie
HRP Rep: CJB

Depth (6" intervals)	Sampler Blows per 6"	Sample Interval	Recovery (ft)	Density or Consistency/ Moisture	Profile Change	Remarks (color, structure, grain size, stating, odor, PID)	PID (ppm)
0						Gravel Surface, Fill (brick, coal, cinders, ash, brown fine (Fill)	(0-2') 8 (HS) 1 (SS)
1							
2		0 - 4'	3.1'	med/dry			(2-4') 2.8 (HS) 1 (SS)
3							
4						Same; mild petroleum odor	(4-6') 6 (HS)
5					5'	Brown med-fine SAND; No Odor (Sand)	4.0 (SS)
6		4' - 8'	3.3'	med/dry			(6-8') 2.4 (HS) 0 (SS)
7							
8					8'-8.5'	Dark grey med-fine SAND, varved; No Odor (Sand)	(8-10') 3 (HS) 5 (SS)
9							
10		8' - 12'	3.4'	med/moist		Brown-tan fine SAND, varved; No Odor (Sand)	(10-12') 3.4 (HS) 0 (SS)
11							
12							(12-13') 2 (SS)
13							
14		12' - 16'	3.5'	low/wet GW=14.0'			(12-14') 4.8 (HS)
15					15.2'	Tan-grey fine SAND, trace silt; No Odor	(14-16') 2.8 (HS) 0 (SS)
16							
17						End of Boring T.D.=16'	HS- Head Space SS_ Soil Sample

GROUNDWATER OBSERVATIONS

Depth	Date	Casing/ Screen	Stability Time

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. Falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistence
0 - 4 very loose	0 - 2 very soft
5 - 9 loose	3 - 4 soft
10 - 29 med. dense	5 - 8 m/stiff
30 - 49 dense	9 - 15 stiff
50+ very dense	16 - 30 v/stiff
	31+ hard

Proportions

trace 0-10%
little 10-20%
some 20-35%
and 30-50%

Project: Glens Falls-Ridge Street
HRP Job #: GLE6000.P2(T-3)
Contractor: North Star Drilling

Type: MacroCore
I.D.: 1.75"
Location: Northern Portion of Site,Alley, 6' E of GF-11

HRP ASSOCIATES, INC.
ENGINEERING & GEOLOGY
DRILLING LOG

Hammer (wt/Fall): N/A
Rig Type: Geoprobe

Hole # GF-12
Well # N/A
Sheet No. 1

Start: 11/07/2000
Finish: 11/07/2000
Driller: Steve Laramie
HRP Rep: CJB

Depth (6" intervals)	Macro-Core Samples	Sample Interval	Recovery (ft)	Density or Consistency/ Moisture	Profile Change	Remarks (color, structure, grain size, stating, odor, PID)	PID (ppm)
0							(0-2')
1							2 (HS)
2		0 - 4'	3.0'	low/dry		Dark Brown Fill; No Odor	0 (SS)
3						(Fill)	(2-4')
4					4'	Brown fine SAND; No Odor	2.8 (HS)
5						(Sand)	0 (SS)
6		4' - 8'	3.5'	low/dry			(4-6')
7							2.3 (HS)
8						End of Boring	0 (SS)
9						T.D.=8'	(6-8')
10							2.6 (HS)
11							0 (SS)
12							
13							
14							
15							
16							
17							

GROUNDWATER OBSERVATIONS			
Depth	Date	Casing/ Screen	Stability Time

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. Falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistence
0 - 4 very loose	0 - 2 very soft
5 - 9 loose	3 - 4 soft
10 - 29 med. dense	5 - 8 m/stiff
30 - 49 dense	9 - 15 stiff
50+ very dense	16 - 30 v/stiff
	31+ hard

Proportions
trace 0-10%
little 10-20%
some 20-35%
and 30-50%

HRP ASSOCIATES, INC.

Engineering & Geology

DRILLING LOG

Hole # MW-1
Well # MW-1
Location: rear (north) end of site

Contractor: North Star Drilling
Driller: Steve Laramie
Hammer (Wt/Fall):
Rig Type: Geoprobe
Type: Macro Core
I.D.: 1.75"

Sheet No.: 1 of 1
Project: Glens Falls
HRP Job #: Gle6000.P2(T-3)
Site Name: Brownfield
Site Address: 30-34 Ridge St.

Start: 11/06/2000
Finish: 11/06/2000
HRP Rep: CJB
LS

Depth (6" intervals)	Macro-core Samples	Well	Sample Interval (ft)	Recovery (ft)	Density or Consistency/ Moisture	Profile Change (ft)	Remarks (color, structure, grain size, staining, odor)	(Depth)/PID (ppm)
0		Surface						
1							Pavement, Gravel subbase	(0-2')
2			0 - 4'	2.6'	low/dry		Dark Grey to Black, med.-fine SAND, little fine gravel; No Odor, some fill (coal, glass)	0.8 (HS) 0 (SS)
3								(2-4')
4							Same	1.2 (HS) 0 (SS)
5								
6			4' - 8'	2.4'	low/dry	5'	Brown fine SAND; No Odor	(4-6') 1 (HS) 0 (SS)
7								
8							Same	(6-8') 0.8 (HS) 0 (SS)
9								
10			8' - 12'	3.5'	low/dry		Brown/Tan-fine SAND; No Odor	(8-10') 0.6 (HS) 0 (SS)
11								
12								
13							Brown fine SAND; No Odor	(10-12') 1.6 (HS) 0 (SS)
14			12' - 16'	4'	low/moist to wet GW = 13'	14' - 14.5'	Brown fine SAND, some varved SILT; No Odor	(12-14') 1.4 (HS) 0 (SS)
15						14.5'	Brown med-fine SAND; No Odor	(14-16') 1 (HS) 0 (SS)
16								
17							Same	(16-18') 1 (HS) 0 (SS)
18			16' - 20'	4'	low/wet	19.1'	Brown fine SAND, trace varved SILT; No Odor	(18-20') 1.6 (HS) 0 (SS)
19							End of Boring T.D. = 20'	

GROUNDWATER OBSERVATIONS

Depth	Date	Casing/ Screen	Stability Time
13.55'	11/06/2000	PCV Mark	
13.57'	11/07/2000		
13.59'	11/10/2000		
13.52'	12/08/2000		

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. Falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistence	Proportions
0 - 4 very loose	0 - 2 very soft	trace 0-10%
5 - 9 loose	3 - 4 soft	little 10-20%
10 - 29 med. dense	5 - 8 m/stiff	some 20-35%
30 - 49 dense	9 - 15 stiff	and 30-50%
50+ very dense	16 - 30 v/stiff	
	31+ hard	

Concrete | Sand Pack | Bentonite | Screen | Native

HRP ASSOCIATES, INC.

Engineering & Geology

DRILLING LOG

Hole # MW-2
Well # MW-2
Location: Southeast corner of site, adjacent to sidewalk of City Hall

Contractor: North Star Drilling
Driller: Steve Laramie
Hammer (Wt/Fall): N/A
Rig Type: Geoprobe
Type: Macro Core
I.D.: 1.75"

Sheet No.: 1 of 1
Project: Glens Falls
HRP Job #: Gle6000.P2(T-3)
Site Name: Brownfield
Site Address: 30-34 Ridge St.

Start: 11/06/2000
Finish: 11/06/2000
HRP Rep: CJB
LS

Depth (6" intervals)	Macro-core Samples	Well	Sample Interval (ft)	Recovery (ft)	Density or Consistency/ Moisture	Profile Change (ft)	Remarks (color, structure, grain size, staining, odor)	Depth/PID (ppm)
0		Surface						
1							Dark Grey Pavement, Gravel Subbase	(0-2')
2			0 - 4'	3.1'	med/dry	1'	Dark Brown fine SAND;	0.8 (HS) 0 (SS)
3							No Odor, fill noted (cinders, ash, etc.)	(2-4')
4							Same	0.4 (HS) 0 (SS)
5						5'	Brown fine SAND; No Odor	
6			4' - 8'	3.3'	low/dry			(4-6') 1 (HS)
7							Same	0 (SS)
8								(6-8') 0.6 (HS) 0 (SS)
9								(8-10')
10			8' - 12'	4'	low/moist		Brown/Tan-fine varved SAND;	1.2 (HS) 0 (SS)
11							No Odor	(10-12') 0.8 (HS)
12								0 (SS) (12-14')
13							Brown med-fine SAND; No Odor	1..2 (HS) 0 (SS)
14			12' - 16'	4'	low/wet GW = 13'		Same	(14-16') 1.8 (HS)
15								0 (SS)
16							Same	
17							Brown med-fine SAND, trace	(16-18') 1.2 (HS)
18			16' - 19'	3'	low/wet		varved SILT; No Odor (jammed in liner, removed w/ hammer)	0 (SS)
19							End of Boring T.D.. + 19' Install 1" dia. Monitoring well	(18-19') 1.6 (HS) 0 (ss)

GROUNDWATER OBSERVATIONS

Depth	Date	Casing/ Screen	Stability Time
11.88'	11/06/2000	PVC Mark	
11.89"	11/17/2000		
11.93'	11/16/2000		
12.03'	12/08/2000		

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. Falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistence	Proportions
0 - 4 very loose	0 - 2 very soft	
5 - 9 loose	3 - 4 soft	little 10-20%
10 - 29 med. dense	5 - 8 m/stiff	some 20-35%
30 - 49 dense	9 - 15 stiff	and 30-50%
50+ very dense	16 - 30 v/stiff	
	31+ hard	

Concrete | Sand Pack | Bentonite | Screen | Native

HRP ASSOCIATES, INC.

Engineering & Geology

DRILLING LOG

Hole # MW-3
Well # MW-3
Location: In driveway, east of former underground tanks

Contractor: North Star Drilling
Driller: Steve Laramie
Hammer (Wt/Fall):
Rig Type: Geoprobe
Type: Macro Core
I.D.: 1.75"

Sheet No.: 1 of 1
Project: Glens Falls
HRP Job #: Gle6000.P2(T-3)
Site Name: Brownfield
Site Address: 30-34 Ridge St.

Start: 11/06/2000
Finish: 11/06/2000
HRP Rep: CJB

Depth (6" intervals)	Macro-cove Sample	Well	Sample Interval (ft)	Recovery (ft)	Density or Consistency/ Moisture	Profile Change (ft)	Remarks (color, structure, grain size, staining, odor)	Depth/PID (ppm)
0		Surface						
1							Dark Grey-black Pavement, Gravel Subbase	(0-2')
2			0 - 4'	2.9'	med/dry	0.9'	Fill Material (Red brick, Pottery, some fine sand), No Odor	1 (HS) 0 (SS)
3								(2-4')
4							Same; No Odor	1.2 (HS) 0 (SS)
5						4.5'	Brown med-fine SAND; trace gravel; No Odor	(4-6')
6			4' - 8'	3.2'	low/dry			1.2 (HS) 0 (SS)
7								(6-8')
8							Same	1.4 (HS) 0 (SS)
9						8'-8.5'	Brown med-fine SAND; No Odor, some fill (brick)	(8-10') 0.9 (HS) 0 (SS)
10			8' - 12'	3.3'	low/dry	8.5'	Brown/Tan fine SAND, varved;	
11							No Odor	(10-12') 1.8 (HS) 0 (SS)
12								
13								(12-14')
14			12' - 16'	4'	low/moist-wet GW = 12.6'		Brown med-fine SAND, little fine gravel; No Odor	1.4' HS 0 (SS)
15								(14-16')
16								1.6 (HS) 0 (SS)
17							Same	(16-18')
18			16' - 18'	2'	low/wet		Same; No Odor	0.8 (HS) 0 (SS)
19							End of Boring Refused at 19'	

GROUNDWATER OBSERVATIONS

Depth	Date	Casing/ Screen	Stability Time
12.24	11/07/2000	Black PVC Mark	
12.26	11/16/2000		
12.41	12/08/2000		

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. Falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistence	Proportions
0 - 4 very loose	0 - 2 very soft	trace 0-10%
5 - 9 loose	3 - 4 soft	little 10-20%
10 - 29 med. dense	5 - 8 m/stiff	some 20-35%
30 - 49 dense	9 - 15 stiff	and 30-50%
50+ very dense	16 - 30 v/stiff	
	31+ hard	

Concrete | Sand Pack | Bentonite | Screen | Native

HRP ASSOCIATES, INC.
Engineering & Geology

DRILLING LOG

Hole # MW-4
Well # MW-4
Location: Southwest of former underground storage tanks

Contractor: North Star Drilling
Driller: Steve Laramie
Hammer (Wt/Fall):
Rig Type: Geoprobe
Type: Macro Core
I.D.: 1.75"

Sheet No.: 1 of 1
Project: Glens Falls
HRP Job #: Gle6000.P2(T-3)
Site Name: Brownfield
Site Address: 30-34 Ridge St.

Start: 11/06/2000
Finish: 11/06/2000
HRP Rep: CJB
LS

Depth (6" intervals)	Macro-core Sample	Well	Sample Interval (ft)	Recovery (ft)	Density or Consistency/ Moisture	Profile Change (ft)	Remarks (color, structure, grain size, staining, odor)	PID (ppm)
0		Surface						
1							Dark Grey Pavement, Gravel Subbase, fill (cinders, ash) ,	(0-2')
2			0 - 4'	2.0'	med/dry		No Odor	1 (HS) 0 (SS)
3								(2-4') 1 (HS) 0 (SS)
4								
5						4.0'	Brown med-fine SAND; No Odor	(4-6') 0.9 (HS)
6			4' - 8'	2.9'	low/dry			0 (SS)
7								(6-8')
8							Same; No Odor	0.9 (HS) 0 (SS)
9						8.7'-9.1'	Dark Grey Crs-med SAND, some fine Gravel; No Odor	(8-10') 1 (HS)
10			8' - 12'	3.8'	low/moist	9.1'	Brown/Tan fine SAND, varved; No Odor	0 (SS)
11								(10-12') 1 (HS)
12								0 (SS)
13								(12-14) 1.4 (HS)
14			12' - 16'	3.3'	low/moist-wet GW = 14.0'		Same; No Odor	0 (SS)
15								(14-16') 1.4 (HS) 0 (SS)
16								(16-18')
17							Same; No Odor	1.8 (HS) 0 (SS)
18			16' - 19'	3'	low/wet		Same; No Odor	(18-20')
19							End of Boring Refused at 19'	1.5 (HS) 0 (SS)

GROUNDWATER OBSERVATIONS

Depth	Date	Casing/ Screen	Stability Time
12.76	11/07/2000	Black PVC Mark	
12.77	11/16/2000		
12.81	12/08/2000		

SAMPLE PENETRATION RESISTANCE
140 lb. Wt. Falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistence	Proportions
0 - 4 very loose	0 - 2 very soft	trace 0-10%
5 - 9 loose	3 - 4 soft	little 10-20%
10 - 29 med. dense	5 - 8 m/stiff	some 20-35%
30 - 49 dense	9 - 15 stiff	and 30-50%
50+ very dense	16 - 30 v/stiff	
	31+ hard	

Concrete | Sand Pack | Bentonite | Screen | Native

APPENDIX F

WELL DEVELOPMENT LOGS

HRP Associates, Inc.
105 Lake Hill Road
Burnt Hills, NY 12027
Phone: 518-399-1174
Fax: 518-399-2939

HRP

Monitoring Well Field Data Sheet

Client Name: Glens Falls Brownfield Job #: Gle6000.P2 (T-4)
Site Location: Ridge St. Glens Falls NY

WELL ID: MW-1

Elevation Data

Date: 11/16/00 Time:

Well Diameter (inches): 1"

	Depth (feet)	+Correction	= True Depth
Water Level	13.59	+	= 13.59
Bottom of Well	19.42	+ 0.27	= 19.69

Water Column Height: 6.10 (feet)
0.041 gal/foot x 3 factor: x 0.25 gal (1 Well Vol.)
Volume to be Purged: 1.50 (gal)

Measuring Point: TPS/PVC Brass rim
Measuring Device: Solinst 200
Comments:

Sampler: CSB
Weather: cloudy, 40°F

Well Condition Checklist

General Condition: (Good) / Needs Repair
Protective Steel: (OK) / leaking / bent / loose / none
Well # Visible? (Y) / N
Well Cap: (Good) / Broken / None
Evidence of rain water between steel and PVC? Y / (N)
Evidence of ponding around well? Y / (N)
Holes around collar? Y / (N)

Is well plumb? (Y) / N
Lock: Good / Broken / (None)
PVC Riser: (Good) / Damaged / None
Concrete Collar: OK / Cracked / Leaking / (None)

Purge Data

Start Time: 12:49
Stop Time: 2:14
Total Time Purged: 1 hr. 25 min
Volume Purged: 4 gal (gallons)

Purge Device type: Bailer / Peristaltic / Submersible
Comments:

Sample Data

Containers	Quantity	Preservative

Approx. sample depth: _____ (ft)
Sampling method: Bailer / Peristaltic / Bladder
Bailer type: SS, PVC,

Bailer cord: Dedicated / Nondedicated
Filtered in Field?: No / @ Well / @ Vehicle
Method of Filtration: Pressure / Vacuum / Syringe
Field Decon: Bailer / Filter / Tubing / Other _____
Appearance: Odor:

Field Parameters

Time	pH	Temp	Turb		Spec. Cond.
12:50	6.83	12.80°C	+990 NTU	1 gal. Bailed	2.3 mS/cm
1:19	6.84	12.33°C	+990 "	2 gal. Bailed	2.1 "
1:41	6.85	12.41°C	+990 "	3 gal. Bailed	2.0 "
2:13	6.87	12.55°C	670	4 gal. Bailed	2.1

HRP Associates, Inc.
105 Lake Hill Road
Burnt Hills, NY 12027
Phone: 518-399-1174
Fax: 518-399-2939

HRP

Monitoring Well Field Data Sheet

Client Name: Glens Falls Brownfield Job #: Gle6000.Pz (T-4)
Site Location: Ridge St. Glens Falls NY

WELL ID: MW-2

Elevation Data

Date: 11/16/00 Time:

Well Diameter (inches): 1"

	Depth (feet)	+Correction	= True Depth
Water Level	11.93	+	= 11.93
Bottom of Well	18.20	+ 0.27	= 18.47

Water Column Height: 6.54 (feet)
0.041 gal/foot x 3 factor: x .279 gal (1 well vol)
Volume to be Purged: 1.6 (gal)

Measuring Point: TPS/PVC
Measuring Device: Solinst 200'
Comments:

Sampler: CJB
Weather: Cloudy 42° F.

Well Condition Checklist

General Condition: (Good) / Needs Repair
Protective Steel: (OK) / leaking / bent / loose / none
Well # Visible? (Y) / N
Well Cap: (Good) / Broken / None
Evidence of rain water between steel and PVC? Y (N)
Evidence of ponding around well? Y (N)
Holes around collar? Y (N)

Is well plumb? (Y) / N
Lock: Good / Broken / (None)
PVC Riser: (Good) / Damaged / None
Concrete Collar: OK / Cracked / Leaking / (None)

Purge Data

Start Time: 10:35
Stop Time: 11:57
Total Time Purged: 1 hr 22 min
Volume Purged: 2.7 gal (gallons)

Purge Device type: Bailer / Peristaltic / Submersible
Comments:

Sample Data

Sample Data	Containers	Quantity	Preservative
Approx. sample depth: _____ (ft) Sampling method: Bailer / Peristaltic / Bladder Bailer type: SS, PVC,			
Bailer cord: Dedicated / Nondedicated Filtered in Field?: No / @ Well / @ Vehicle Method of Filtration: Pressure / Vacuum / Syringe Field Decon: Bailer / Filter / Tubing / Other _____ Appearance: Odor:			

Field Parameters

Time	pH	Temp	Turb		Spec. Cond.
10:44	6.34	12.7°C	+990 Ntu	± ½ gallon bailed	2.6 mS/cm
11:10	6.70	12.87°C	+990	± 1.5 gallons bailed	2.8 "
11:25	6.85	13.01°C	130	± 2 gallons Bailed	2.7
11:55	6.60	12.84°C	690	± 3 gallons Bailed	2.7

HRP Associates, Inc.
105 Lake Hill Road
Burnt Hills, NY 12027
Phone: 518-399-1174
Fax: 518-399-2939

HRP

Monitoring Well Field Data Sheet

Client Name: Glens Falls Job #: [illegible] #4 WELL ID: MW3

Site Location: Glens Falls, RW Sq.

Elevation Data

Date: 11/16 Time: 9:50 Well Diameter (inches): _____

	Depth (feet)	+Correction	= True Depth
Water Level	12.66	+	=12.26
Bottom of Well	17.70	+ .87	=18.57

Water Column Height: 5.71 (feet)

0.041 gal/foot x 3 factor: x 0.23 gal (1.15 gal/ft.)

Volume to be Purged: 1.4 (gal)

Measuring Point: TPS/PVC
Measuring Device: Solinst 200
Comments:

Sampler: CJB
Weather: Sunny, Mid 30's

Well Condition Checklist

General Condition: Good / Needs Repair
Protective Steel: OK / leaking / bent / loose / none
Well # Visible? Y / N
Well Cap: Good / Broken / None
Evidence of rain water between steel and PVC? Y / N
Evidence of ponding around well? Y / N
Holes around collar? Y / N

Is well plumb? Y N
Lock: Good / Broken / None
PVC Riser: Good / Damaged / None
Concrete Collar: OK / Cracked / Leaking / None

Purge Data

Start Time: 10:15
Stop Time: 11:50
Total Time Purged: 1:35 min
Volume Purged: 4 (gallons)

Purge Device type: Bailer / Peristaltic / Submersible
Comments:

Sample Data

	Containers	Quantity	Preservative
Approx. sample depth: _____ (ft) Sampling method: Bailer / Peristaltic / Bladder Bailer type: SS, PVC,			
Bailer cord: Dedicated / Nondedicated Filtered in Field?: No / @ Well / @ Vehicle Method of Filtration: Pressure / Vacuum / Syringe Field Decon: Bailer / Filter / Tubing / Other _____ Appearance: Odor:			

Field Parameters

Time	pH	Temp	Turb		Spec. Cond.
10:30	6.19	12.6 °C	990+	± 1/2 gallon bailed + 1.5 after	1.6 mS/cm
10:55	6.77	12.48	920	± 1/2 gallon " +	1.7 "
11:10	7.05	10.58	410	" " " + 1/2 after	1.7
11:45	6.40	11.09	200	" "	1.7

HRP Associates, Inc. 105 Lake Hill Road Burnt Hills, NY 12027 Phone: 518-399-1174 Fax: 518-399-2939	**HRP**	**Monitoring Well Field Data Sheet**

Client Name: Glens Falls Job #: GLENWOOD PR 9-1 WELL ID

Site Location: Dix Av. St. MW-4

Elevation Data

Date: 11/16/00 Time: 9:45

Well Diameter (inches): _____

	Depth (feet)	+Correction	= True Depth
Water Level	12.77	+	= 12.77
Bottom of Well	16.34	+ 0.27	= 16.61

Water Column Height: 3.84 (feet)

0.04 gal/foot x 3 factor: x .16 gal (Well Volume)

Volume to be Purged: .94 (gal)

Measuring Point: TPS/PVC

Measuring Device: Solinst 200

Comments:

Sampler: CJB

Weather: _____

Well Condition Checklist

General Condition: Good / Needs Repair

Protective Steel: OK / leaking / bent / loose / none

Well # Visible? Y / N

Well Cap: Good / Broken / None

Evidence of rain water between steel and PVC? Y / N

Evidence of ponding around well? Y / N

Holes around collar? Y / N

Is well plumb? Y / N

Lock: Good / Broken / None

PVC Riser: Good / Damaged / None

Concrete Collar: OK / Cracked / Leaking / None

Purge Data

Start Time: 12:50

Stop Time: 2:10

Total Time Purged: 1:20

Volume Purged: 2.4 (gallons)

Purge Device type: Bailer / Peristaltic / Submersible

Comments:

Sample Data

Containers	Quantity	Preservative

Approx. sample depth: _____ (ft)

Sampling method: Bailer / Peristaltic / Bladder

Bailer type: SS, PVC,

Bailer cord: Dedicated / Nondedicated

Filtered in Field?: No / @ Well / @ Vehicle

Method of Filtration: Pressure / Vacuum / Syringe

Field Decon: Bailer / Filter / Tubing / Other _____

Appearance: Odor:

Field Parameters

Time	pH	Temp	Turbidity		Spec. Cond.
12:50	6.82	13.19	990+	1/2 gallon + 1 gal	2.9 mS/cm
1:20	6.75	12.87	990+	1/2 gallon + 1 gal	3.0
1:50	6.75	12.35	990+	1/2 gal + 1/2 gal	3.0
2:10	6.79	13.14	990+	1/2 gal	3.1

APPENDIX G

SITE PHOTOGRAPHS, UST REMOVAL

Photograph #1

Uncovering UST's.

Photograph #2

Tank grave area, from of 30-34 Ridge Street, camera facing northeast.

Photograph #3

UST being uncovered.

Photograph #4

Concrete within UST.

Photograph #5

Excavation near completion, note boring GF-6 in lower central portion of picture.

APPENDIX H

SOIL SAMPLE ANALYTICAL RESULTS

HUDSON ENVIRONMENTAL SERVICES, INC.
Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803
Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803
Phone: 518/747-1060 Fax: 518/747-1062

ANALYTICAL TEST RESULTS
N.Y.S.D.O.H. LAB ID#11140

CLIENT: HRP Associates, Imc.

DATE SAMPLED: 10/24/00

SAMPLE DESCRIPTION: Soil Pile

DATE SAMPLE RECD: 10/27/00

MATRIX: Soil

TIME SAMPLED: 4:05 pm

LOCATION: 30-34 Ridge St, Glens Falls

TYPE SAMPLE:

HES #: 001027P01

SAMPLER: C.Bablin/HRP

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
TPH	SW846-8015 (Modified)	5.8	mg/kg	11/02/00
Total Benzene	SW846-8021B	16	ug/kg	11/02/00

TOXICITY CHARACTERISTICS LEACHING PROCEDURE

(TCLP)

S2-846 METHOD 1311

PARAMETER	METHOD	RESULT	UNITS	TEST DATE	TCLP REGULATORY LEVELS (mg/l)
Lead	SW846-7420	0.302	mg/l	11/03/00	5.0

Approval By: ML Hangl

Date: 11/3/00

Hudson Environmental Services, Inc. (HES) certifies that the above tests were performed in accordance with the methods listed, and with a QA/QC program that meets the requirements of the test methods listed. HES, Inc. total liability for any work performed is limited to the amount billed to the customer for work leading to the claim of the customer.

HRP Associates, Inc.
105 Lake Hill Road
(518) 399-1174
Fax: (518) 399-2939

HRP

CHAIN OF CUSTODY

Sheet 1 of 1
Job Number GE2000.P2(T-3)
Project Manager JRS

Place and Address of Collection 30-34 Ridge St. Glens Falls NY

Sampler's Name (Signature) C. Bolla

Assistant (witness) (Signature)

Sample Number	Sample Location	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
1	Soil Pile	8oz	Cool	10/24	4:05		✓			1027P01

Relinquished By (Signature) C. Bolla — Received By (Signature) T. Rumsey — Date 10/26/00 Time 245

Renounced By (Signature) — Received By (Signature) M. Mistretta — Date 10/27/00 Time 1600

Name and Address of Laboratory

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ | Filter ☐ | Adjust pH to _____ | Other ☐

Priority ☐ 24 hours ☐ 48 hours ☐ 3 days ☐ 5 days

ANALYSES REQUIRED

Parameters	Sample Number 1						Parameters	Sample Number 1				
pH							EPA 1664					
Ag							TPH					
As							TPH 8015 MOD (Diesel)					
Ba							TPH 8015 MOD (Gas)	✓				
Cd							Oil & Grease					
Cr							8021B (Halogenated)					
Hg							8021B (STARS)	✓	(Tot. Benzene)			
Pb TCLP	✓						8021B (complete)					
Se							8360B VOCS					
8RCRA metals							524.2 VOCs					
Cu							8270C (STARS)					
Ni							8100					
Zn												
TSS												
TDS												
Phosphorous												
NO_3												
Coliform												
Hardness												
Sulfate												
PCBs												

Remarks

~~Analysis to follow - will notify~~

SCHNEIDER LABORATORIES

INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117

804-353-6778 • 800-785-LABS (5227) • (FAX) 804-353-6928

Excellence in Service and Technology

AIHA 8936, ELLAP 8936, NVLAP 1150, NYELAP 11413, CAELAP 2078, NC 593, SC 93003

LABORATORY ANALYSIS REPORT

VOLATILE ORGANICS ANALYSIS

EPA SW-846 8260B

ACCOUNT:	2110-00-3	**Date Collected:**	11/7/00
CLIENT:	HRP Associates	**Date Received:**	11/13/00
ADDRESS:	105 Lakehill Road Burnt Hills NY 12027	**Date Reported:**	11/17/00
PO NO.:			
PROJECT NAME:	Gle6000.P2 (T,4)		
PROJECT NO.:			
JOB LOCATION:	Glen Falls NY		

SLI Sample No.:	1799695	1799696	1799697	1799698
Client Sample No.:	2	3	4	5
Sample Type:	Solid	Solid	Solid	Solid
Sample Analysis Date:	11/15/00	11/15/00	11/15/00	11/15/00

Compound	Concentration (µg/kg)	Concentration (µg/kg)	Concentration (µg/kg)	Concentration (µg/kg)	PQL* (µg/kg)
Benzene	BDL	BDL	BDL	6.3	1.0
n-Butylbenzene	BDL	BDL	BDL	BDL	1.0
sec-Butylbenzene	BDL	BDL	BDL	BDL	1.0
tert-Butylbenzene	BDL	BDL	BDL	BDL	1.0
Ethylbenzene	5.8	BDL	BDL	BDL	1.0
Isopropylbenzene	BDL	BDL	BDL	BDL	1.0
p-Isopropyltoluene	BDL	BDL	BDL	BDL	1.0
Naphthalene	BDL	BDL	BDL	BDL	1.0
n-Propylbenzene	BDL	BDL	BDL	BDL	1.0
Toluene	1.8(B)	1.6(B)	2.1(B)	7.2(B)	1.0
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	1.0
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	1.0
m-,p-Xylene	BDL	BDL	BDL	BDL	4.0
o-Xylene	11.5	BDL	BDL	BDL	2.0

Surrogate Compounds for Quality Control, Expressed as Percent Recovery

Dibromofluoromethane	96 %	97 %	98 %	97 %
1,2-Dichloroethane d-4	75 %	78 %	79 %	80 %
Toluene d-8	102 %	105 %	102 %	103 %
4-Bromofluorobenzene	103 %	103 %	103 %	101 %

(B) denotes laboratory blank level of 2.7 µg/kg

Analyst: MELINDA B. LEWIS

Reviewed By HOMIYAR N. CHOKSI

All testing is done in strict accordance with Schneider Laboratories, Inc. protocol. The PQL (Practical Quantitation Limit) is defined as the minimum reporting limit as determined by instrument sensitivity, dilution factor, and method.

BDL (Below Detection Limit) refers to analysis results less than the PQL indicated.

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LABORATORY ANALYSIS REPORT

VOLATILE ORGANICS ANALYSIS

EPA SW-846 8260B

ACCOUNT:	2110-00-3	**Date Collected:**	11/7/00
CLIENT:	HRP Associates	**Date Received:**	11/13/00
ADDRESS:	105 Lakehill Road Burnt Hills NY 12027	**Date Reported:**	11/17/00
PO NO.:			
PROJECT NAME:	Gle6000.P2 (T,4)		
PROJECT NO.:			
JOB LOCATION:	Glen Falls NY		

SLI Sample No.:	1799699	1799700	1799701	1799702
Client Sample No.:	6	7	8	9
Sample Type:	Solid	Solid	Solid	Solid
Sample Analysis Date:	11/15/00	11/15/00	11/15/00	11/15/00

Compound	Concentration (µg/kg)	Concentration (µg/kg)	Concentration (µg/kg)	Concentration (µg/kg)	PQL* (µg/kg)
Benzene	BDL	5.6	BDL	BDL	1.0
n-Butylbenzene	BDL	BDL	BDL	BDL	1.0
sec-Butylbenzene	BDL	BDL	BDL	BDL	1.0
tert-Butylbenzene	BDL	BDL	BDL	BDL	1.0
Ethylbenzene	BDL	BDL	BDL	BDL	1.0
Isopropylbenzene	BDL	BDL	BDL	BDL	1.0
p-Isopropyltoluene	BDL	BDL	BDL	BDL	1.0
Naphthalene	BDL	BDL	BDL	BDL	1.0
n-Propylbenzene	BDL	BDL	BDL	BDL	1.0
Toluene	2.7(B)	3.4(B)	BDL	1.8(B)	1.0
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	1.0
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	1.0
m-,p-Xylene	BDL	BDL	BDL	BDL	4.0
o-Xylene	BDL	BDL	BDL	BDL	2.0

Surrogate Compounds for Quality Control, Expressed as Percent Recovery

Dibromofluoromethane	96 %	96 %	93 %	96 %
1,2-Dichloroethane d-4	76 %	72 %	70 %	72 %
Toluene d-8	103 %	105 %	104 %	104 %
4-Bromofluorobenzene	102 %	105 %	101 %	101 %

(B) denotes laboratory blank level of 2.7 µg/kg

Analyst: MELINDA B. LEWIS

Reviewed By HOMIYAR N. CHOKSI

All testing is done in strict accordance with Schneider Laboratories, Inc. protocol. The PQL (Practical Quantitation Limit) is defined as the minimum reporting limit as determined by instrument sensitivity, dilution factor, and method.

BDL (Below Detection Limit) refers to analysis results less than the PQL indicated.

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LABORATORY ANALYSIS REPORT

POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSIS BY GC/MS

PAHs by EPA SW-846 8270C

ACCOUNT: 2110-00-3
CLIENT: HRP Associates
ADDRESS: 105 Lakehill Road
Burnt Hills NY 12027
PO NO.:
PROJECT NAME: Gle6000.P2 (T,4)
PROJECT NO.:
JOB LOCATION: Glen Falls, NY

DATE COLLECTED: 11/7/00
DATE RECEIVED: 11/13/00
DATE ANALYZED: 11/16/00
DATE REPORTED: 11/17/00

SLI Sample No.:	1799695	1799696	1799697	1799698
Client Sample No.:	2	3	4	5
Sample Matrix:	Soil	Soil	Soil	Soil

Compound	Concentration µg/Kg	Concentration µg/Kg	Concentration µg/Kg	Concentration µg/Kg	**PQL µg/Kg
Acenaphthene	<400	<400	<400	<400	400
Acenaphthylene	<400	<400	<400	<400	400
Anthracene	<400	<400	<400	<400	400
Benzo(a)anthracene	<400	<400	<400	<400	400
Benzo(a)pyrene	<400	420	<400	<400	400
Benzo(b)fluoranthene	<400	610	<400	400	400
Benzo(k)fluoranthene	<400	<400	<400	<400	400
Benzo(g,h,i)perylene	<400	<400	<400	<400	400
Chrysene	<400	540	<400	<400	400
Dibenzo(a,h)anthracene	<400	<400	<400	<400	400
Fluoranthene	<400	1,100	<400	630	400
Fluorene	<400	<400	<400	<400	400
Indeno(1,2,3-cd)pyrene	<400	<400	<400	<400	400
Naphthalene	<400	<400	<400	<400	400
Phenanthrene	<400	760	<400	410	400
Pyrene	<400	870	<400	500	400

Analyst: CHRIS B. MCFARLANE

Reviewed By

***PQL: Practical Quantitation Limit is defined as the minimum reporting limit for the sample, as determined by instrument sensitivity, dilution factor and methods used to extract the sample to isolate target compounds*

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LABORATORY ANALYSIS REPORT

POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSIS BY GC/MS

PAHs by EPA SW-846 8270C

ACCOUNT: 2110-00-3
CLIENT: HRP Associates
ADDRESS: 105 Lakehill Road
Burnt Hills NY 12027
PO NO.:
PROJECT NAME: Gle6000.P2 (T,4)
PROJECT NO.:
JOB LOCATION: Glen Falls, NY

DATE COLLECTED: 11/7/00
DATE RECEIVED: 11/13/00
DATE ANALYZED: 11/16/00
DATE REPORTED: 11/17/00

SLI Sample No.:	1799699	1799700	1799701	1799702
Client Sample No.:	6	7	8	9
Sample Matrix:	Soil	Soil	Soil	Soil

Compound	Concentration µg/Kg	Concentration µg/Kg	Concentration µg/Kg	Concentration µg/Kg	**PQL µg/Kg
Acenaphthene	<400	<400	<400	<400	400
Acenaphthylene	<400	<400	<400	<400	400
Anthracene	<400	<400	<400	<400	400
Benzo(a)anthracene	<400	<400	<400	<400	400
Benzo(a)pyrene	<400	<400	<400	<400	400
Benzo(b)fluoranthene	<400	<400	<400	<400	400
Benzo(k)fluoranthene	<400	<400	<400	<400	400
Benzo(g,h,i)perylene	<400	<400	<400	<400	400
Chrysene	<400	<400	<400	<400	400
Dibenzo(a,h)anthracene	<400	<400	<400	<400	400
Fluoranthene	<400	<400	<400	<400	400
Fluorene	<400	<400	<400	<400	400
Indeno(1,2,3-cd)pyrene	<400	<400	<400	<400	400
Naphthalene	<400	<400	<400	<400	400
Phenanthrene	<400	<400	<400	<400	400
Pyrene	<400	<400	<400	<400	400

Analyst: CHRIS B. MCFARLANE

Reviewed By

***PQL: Practical Quantitation Limit is defined as the minimum reporting limit for the sample, as determined by instrument sensitivity, dilution factor and methods used to extract the sample to isolate target compounds*

HRP Associates, Inc.
105 Lake Hill Road
(518) 399-1174
Fax: (518) 399-2939

HRP

CHAIN OF CUSTODY

Sheet 1 of 2
Job Number Gle6000.P2 (T.4)
Project Manager Jeff Sotek

Place and Address of Collection 30-34 Ridge St. Glens Falls, NY

Sampler's Name (Signature) C. Babbi

Assistant (witness) (Signature)

Sample Number	Sample Location	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
1	GF-6	2-4'	4 oz.	Cool	11/7/00		✓			
2	GF-6	4-6'	6 oz.	↓	↓		✓			
3	GF-6	12-14'	6 oz.				✓			
4	GF-7	12-14'	6 oz.				✓			
5	GF-8	2-4'	6 oz.	↓	↓		✓			

Relinquished By (Signature) C. Babbi	Received By (Signature)	Date	Time
Renounced By (Signature)	Received By (Signature)	Date	Time

Name and Address of Laboratory Schneider Labs Richmond, VA

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ Filter ☐ Adjust pH to _____ Other ☐

Priority ☐ 24 hours ☐ 48 hours ☐ 3 days ☐ 5 days Normal

ANALYSES REQUIRED

Parameters	Sample Number 1	2	3	4	5	Parameters	Sample Number 1	2	3	4	5
pH						EPA 1664					
Ag						TPH					
As						TPH 8015 MOD (Diesel)					
Ba						TPH 8015 MOD (Gas)					
Cd						Oil & Grease					
Cr						8021B (Halogenated)					
Hg						8021B (STARS)		✓	✓	✓	✓
Pb						8021B (complete)					
Se						8360B VOCS					
8RCRA metals	✓				✓	524.2 VOCs					
Cu						8270C (STARS)		✓	✓	✓	✓
Ni						8100					
Zn											
TSS											
TDS											
Phosphorous											
NO_3											
Coliform											
Hardness											
Sulfate											
PCBs											

Remarks

UPS 1Z F02 46X 22 1000 058 2

11/11 11:10 am UPS ⑤

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Fax: (518) 399-2939

HRP

CHAIN OF CUSTODY

Sheet 2 of 2
Job Number Gle6000.P2 (T-4)
Project Manager Jeff Sotek

Place and Address of Collection 30-34 Ridge St. Glens Falls, NY

Sampler's Name (Signature) C. Babbie
Assistant (witness) (Signature)

Sample Number	Sample Location	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
6	GF-9	10-12'	6 oz.	Cool	11/7/00		✓			
7	GF-11	4-6'	6 oz.	↓	↓		✓			
8	GF-11	8-10'	6 oz.				✓			
9	GF-12	6-8'	6 oz.	↓	↓		✓			
							✓			

Relinquished By (Signature) C. Babbie — Received By (Signature) — Date — Time
Renounced By (Signature) — Received By (Signature) — Date — Time
Name and Address of Laboratory Schneider Labs Richmond, VA

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ Filter ☐ Adjust pH to _____ Other ☐

Priority ☐ 24 hours ☐ 48 hours ☐ 3 days ☐ 5 days Normal

ANALYSES REQUIRED

Parameters	Sample Number					Parameters	Sample Number 6	7	8	9	
pH						EPA 1664					
Ag						TPH					
As						TPH 8015 MOD (Diesel)					
Ba						TPH 8015 MOD (Gas)					
Cd						Oil & Grease					
Cr						8021B (Halogenated)					
Hg						8021B (STARS)	✓	✓	✓	✓	
Pb						8021B (complete)					
Se						8360B VOCS					
8RCRA metals						524.2 VOCs					
Cu						8270C (STARS)	✓	✓	✓	✓	
Ni						8100					
Zn											
TSS											
TDS											
Phosphorous											
NO_3											
Coliform											
Hardness											
Sulfate											
PCBs											

Remarks

1Z F02 46X 22 1000 058 2

11/11 11:10am UPS (5)

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LABORATORY ANALYSIS REPORT

ACCOUNT #: 2110-00-4
CLIENT: HRP Associates
ADDRESS: 105 Lakehill Road
Burnt Hills NY 12027
PO NO.:
PROJECT NAME: 30-34 Ridge St.
PROJECT NO.:
JOB LOCATION: Glen Falls NY

DATE COLLECTED: 11/7/2000
DATE RECEIVED: 11/13/2000
DATE ANALYZED: 11/17/2000
DATE REPORTED: 11/20/2000

SLI Sample No.	1800390				1800391					
Client Sample No.	1				5					
Sample Description	GF-6 2-4'				GF-8 2-4'					
Sample Type	SOIL				SOIL					
Analyte	Sample Weight (mg)	Total Analyte (µg)*	Analyte Conc. (% by wt)*	Analyte Conc. (PPM)*	Sample Weight (mg)	Total Analyte (µg)*	Analyte Conc. (% by wt)*	Analyte Conc. (PPM)*	*Analysis Method*	*Minimum Reporting Limit (µg)*
Arsenic (As)	1375	< 4.0	< 0.001	< 10	1299	< 4.0	< 0.001	< 10	EPA 3050B/6010B	4.0
Barium (Ba)	1375	40.0	0.003	30	1299	219.0	0.017	170	EPA 3050B/6010B	4.0
Cadmium (Cd)	1375	< 4.0	< 0.001	< 10	1299	< 4.0	< 0.001	< 10	EPA 3050B/6010B	4.0
Chromium (Cr)	1375	< 4.0	< 0.001	< 10	1299	4.0	< 0.001	< 10	EPA 3050B/6010B	4.0
Lead (Pb)	1375	14.0	0.001	10	1299	540.0	0.042	420	EPA 3050B/6010B	4.0
Mercury (Hg)	207	< 0.3	< 0.001	< 10	203	< 0.3	< 0.001	< 10	EPA 7471A	0.3
Selenium (Se)	1375	< 4.0	< 0.001	< 10	1299	< 4.0	< 0.001	< 10	EPA 3050B/6010B	4.0
Silver (Ag)	1375	< 4.0	< 0.001	< 10	1299	< 4.0	< 0.001	< 10	EPA 6010B	4.0

ANALYST: MATTHEW D. ASBURY

REVIEWED BY JAMES M.VESCIO

Quality Control data available upon request. *For true values, assume two (2) significant figures.
All testing is performed in strict accordance with Schneider Laboratories, Inc. protocol.

2110 - 4

HRP Associates, Inc. 105 Lake Hill Road (518) 399-1174 Fax: (518) 399-2939	HRP CHAIN OF CUSTODY	Sheet 1 of 2 Job Number Gle6000.P2 (T4) Project Manager Jeff Sotek

Place and Address of Collection 30-34 Ridge St. Glens Falls, NY

Sampler's Name (Signature) C. Bell

Assistant (witness) (Signature)

Sample Number	Sample Location	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
1	GF-6	2-4'	4 oz.	Cool	11/7/06		✓			
2	GF-6	4-6'	6 oz.	"	"		✓			
3	GF-6	12-14'	6 oz.	"	"		✓			
4	GF-7	12-14'	6 oz.	"	"		✓			
5	GF-8	2-4'	6 oz.	"	"		✓			

Relinquished By (Signature) C. Bell — Received By (Signature) — Date — Time

Renounced By (Signature) — Received By (Signature) — Date — Time

Name and Address of Laboratory Schneider Labs Richmond, VA

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ Filter ☐ Adjust pH to _____ Other ☐

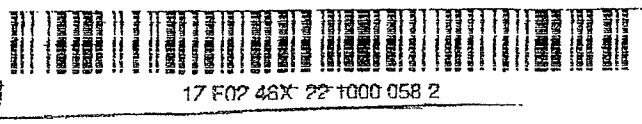
Priority ☐ 24 hours ☐ 48 hours ☐ 3 days ☐ 5 days Normal

ANALYSES REQUIRED

Parameters	Sample Number 1	2	3	4	5
pH					
Ag					
As					
Ba					
Cd					
Cr					
Hg					
Pb					
Se					
8RCRA metals	✓				✓
Cu					
Ni					
Zn					
TSS					
TDS					
Phosphorous					
NO_3					
Coliform					
Hardness					
Sulfate					
PCBs					

Parameters	Sample Number 1	2	3	4	5
EPA 1664					
TPH					
TPH 8015 MOD (Diesel)					
TPH 8015 MOD (Gas)					
Oil & Grease					
8021B (Halogenated)					
8021B (STARS)		✓	✓	✓	✓
8021B (complete)					
8260B VOCS					
524.2 VOCs					
8270C (STARS)		✓	✓	✓	✓
8100					

Remarks



1Z F02 48X 22 1000 058 2

APPENDIX I

GROUND WATER ANALYTICAL RESULTS

SCHNEIDER LABORATORIES

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LABORATORY ANALYSIS REPORT

VOLATILE ORGANICS ANALYSIS

SW-846 8260A

ACCOUNT:	2110-00-6	Date Collected: 12/8/2000
CLIENT:	HRP Associates	Date Received: 12/11/2000
ADDRESS:	P.O. Box 8 Burnt Hills NY 12027	Date Reported: 12/13/2000
PO NO.:		
PROJECT NAME:	30-34 Ridge St	
PROJECT NO.:		
JOB LOCATION:	Glens Falls, NY	

	Work Order 2110-00-6	
SLI Sample No.:	1817483	1817484
Client Sample No.:	5	6
Sample Type:	Aqueous	Aqueous
Sample Analysis Date:	12/12/2000	12/12/2000

Compound	Concentration (µg/L)	Concentration (µg/L)	PQL* (µg/L)
Benzene	BDL	BDL	1.0
n-Butylbenzene	BDL	BDL	1.0
sec-Butylbenzene	BDL	BDL	1.0
tert-Butylbenzene	BDL	BDL	1.0
Ethylbenzene	BDL	BDL	1.0
Isopropylbenzene	BDL	BDL	1.0
p-Isopropyltoluene	BDL	BDL	1.0
Naphthalene	BDL	BDL	1.0
n-Propylbenzene	BDL	BDL	1.0
Toluene	BDL	BDL	1.0
1,2,4-Trimethylbenzene	BDL	BDL	1.0
1,3,5-Trimethylbenzene	BDL	BDL	1.0
m-,p-Xylene	BDL	BDL	4.0
o-Xylene	BDL	BDL	2.0

Surrogate Compounds for Quality Control, Expressed as Percent Recovery

Dibromofluoromethane	101 %	100 %
1,2-Dichloroethane d-4	100 %	99 %
Toluene d-8	97 %	96 %
4-Bromofluorobenzene	100 %	100 %

Analyst: MELINDA B. LEWIS

Reviewed By CHRIS B. MCFARLANE

All testing is done in strict accordance with Schneider Laboratories, Inc. protocol. The PQL (Practical Quantitation Limit) is defined as the minimum reporting limit as determined by instrument sensitivity, dilution factor, and method.

BDL (Below Detection Limit) refers to analysis results less than the PQL indicated.

2110-00-6

HRP Associates, Inc. 105 Lake Hill Road (518) 399-1174 Fax: (518) 399-2939	**HRP** CHAIN OF CUSTODY	Sheet 2 of 2 Job Number GLE6000.P2 Project Manager Jeff Sotek

Place and Address of Collection: 30-34 Ridge St. Glens Falls NY

Sampler's Name (Signature): C. Babbi

Assistant (witness) (Signature): TSS

Sample Number	Sample Location	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
6	Trip Bl	80ml	HCl	12/8	12:00	✓				

Relinquished By (Signature) C. Babbi	Received By (Signature)	Date	Time
Renounced By (Signature)	Received By (Signature)	Date	Time

Name and Address of Laboratory: Schneider Richmond VA

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ | Filter ☐ | Adjust pH to _____ | Other ☐

Priority ☐ 24 hours ☐ 48 hours ☐ 3 days ☐ 5 days Normal

ANALYSES REQUIRED

Parameters	Sample Number					Parameters	Sample Number				
							6				
pH						EPA 1664					
Ag						TPH					
As						TPH 8015 MOD (Diesel)					
Ba						TPH 8015 MOD (Gas)					
Cd						Oil & Grease					
Cr						8021B (Halogenated)					
Hg						8021B (STARS)	✓				
Pb						8021B (complete)					
Se						8360B VOCS					
8RCRA metals						524.2 VOCs					
Cu						8270C (STARS)					
Ni						8100					
Zn											
TSS											
TDS											
Phosphorous											
NO_3											
Coliform											
Hardness											
Sulfate											
PCBs											

Remarks

HRP Associates, Inc. 105 Lake Hill Road (518) 399-1174 Fax: (518) 399-2939	HRP CHAIN OF CUSTODY	Sheet 2 of 2 Job Number GLE6000.P2 Project Manager Jeff Sotek

Place and Address of Collection: 30-34 Ridge St. Glens Falls NY

Sampler's Name (Signature): C. Babbi

Assistant (witness) (Signature): TSS

Sample Number	Sample Location	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
6	Trip Bl	80ml	HCl	12/8	12:00	✓				

Relinquished By (Signature) C. Babbi	Received By (Signature)	Date	Time
Renounced By (Signature)	Received By (Signature)	Date	Time

Name and Address of Laboratory: Schneider Richmond VA

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ | Filter ☐ | Adjust pH to _____ | Other ☐

Priority ☐ 24 hours ☐ 48 hours ☐ 3 days ☐ 5 days Normal

ANALYSES REQUIRED

Parameters	Sample Number					Parameters	Sample Number				
							6				
pH						EPA 1664					
Ag						TPH					
As						TPH 8015 MOD (Diesel)					
Ba						TPH 8015 MOD (Gas)					
Cd						Oil & Grease					
Cr						8021B (Halogenated)					
Hg						8021B (STARS)	✓				
Pb						8021B (complete)					
Se						8360B VOCS					
8RCRA metals						524.2 VOCs					
Cu						8270C (STARS)					
Ni						8100					
Zn											
TSS											
TDS											
Phosphorous											
NO_3											
Coliform											
Hardness											
Sulfate											
PCBs											

Remarks

UPS 12/11 10:20 Yo: Judd

1Z F02 46X 22 1000 064 4

2110-00-7

HRP Associates, Inc. 105 Lake Hill Road (518) 399-1174 Fax: (518) 399-2939	**HRP** CHAIN OF CUSTODY	Sheet 2 of 2 Job Number Gle6000.P2 Project Manager Jeff Sotek

Place and Address of Collection: 30-34 Ridge St. Glens Falls NY

Sampler's Name (Signature): C. Babbi

Assistant (witness) (Signature): TSS

Sample Number	Sample Location	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
6	Trip Bl	80ml	HCl	12/8	12:00	✓				

Relinquished By (Signature) C. Babbi	Received By (Signature)	Date	Time
Renounced By (Signature)	Received By (Signature)	Date	Time

Name and Address of Laboratory: Schneider Richmond VA

LABORATORY SAMPLE PREPARATION REQUIRED

None ☐ | Filter ☐ | Adjust pH to _____ | Other ☐

Priority ☐ 24 hours ☐ 48 hours ☐ 3 days ☐ 5 days Normal

ANALYSES REQUIRED

Parameters	Sample Number					Parameters	Sample Number				
							6				
pH						EPA 1664					
Ag						TPH					
As						TPH 8015 MOD (Diesel)					
Ba						TPH 8015 MOD (Gas)					
Cd						Oil & Grease					
Cr						8021B (Halogenated)					
Hg						8021B (STARS)	✓				
Pb						8021B (complete)					
Se						8360B VOCS					
8RCRA metals						524.2 VOCs					
Cu						8270C (STARS)					
Ni						8100					
Zn											
TSS											
TDS											
Phosphorous											
NO_3											
Coliform											
Hardness											
Sulfate											
PCBs											

Remarks

UPS G-Judd

12/11

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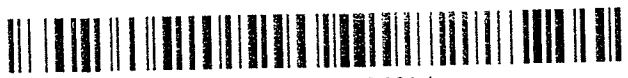

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