New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control

ADDITIONS/CHANGES TO REGISTRY: SUMMARY OF APPROVALS

SITE NAME: VALLEY FALLS DRY CLEANERS DEC I.D. NUMBER 442028

Current Classification 2 Volunteer Yes ____ No X
Sign (7) below

Activity: ☐ Add as Class ____ ☒ Reclassify to 4 ☐ Delist Category ____ ☐ Modify ____

Approvals:

1. Regional Hazardous Waste Engineer	Yes	☒	No	☐	3/12/02
2. BEEI of NYSDOH	Yes	☒	No	☐	3/8/02
3. DEE	Yes	☒	No	☐	1/24/02
4. _____ Remediation Action Bureau Director [Class 2]	Yes	☐	No	☐	
5. BHSC - Investigation Section	Yes	☒	No	☐	11/28/02
6. BHSC - O&M Section [Class 4]	Yes	☒	No	☐	1/22/02

7. BPM - Brownfield & Voluntary Cleanup Section [signature] Date 3/29/02
8. Site Control Section [signature] Date 4/5/02
9. Director [signature] Date 4/8/02

Completion Checklist for Registry Sites		Completed By: Initials	Date
OWNER NOTIFICATION LETTER?	☑		5-30-02
ADJACENT PROPERTY OWNER NOTIFICATION LETTER?	☑		6-17-02
ENB/LEGAL NOTICE SENT? (For Deletion Only)	☐		
COMMENTS SUMMARIZED/PLACE IN REPOSITORY	☐		
FINAL NOTIFICATION SENT TO OWNER? (For Deletion Only)			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION

4/1/00

SITE INVESTIGATION INFORMATION

1. SITE NAME	2. SITE NUMBER	3. TOWN/CITY/VILLAGE	4. COUNTY
Valley Falls Dry Cleaner Site	4-42-028	Valley Falls (V)	

5. REGION	6. CLASSIFICATION
4	CURRENT [2] PROPOSED [4] MODIFICATION X

7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)

a. Quadrangle

b. Site Latitude 42 ° 53 ' 50 " Site Longitude 73 ° 33 ' 40 "

c. Tax Map Number(s) 22.22-4-12

d. Site Street Address 11 Lyons Street, Valley Falls, NY 12185

8. BRIEFLY DESCRIBE THE SITE (Attach site map showing disposal/sampling locations)

The Valley Falls Dry Cleaner site is located in a residential area where single family homes are serviced by private drinking water wells. It occupies 1.2 acres and is located at 11 Lyons Street in the incorporated Village of Valley Falls, Rensselaer County, New York. The site operated as a dry cleaning facility from the 1940s to the mid 1970s under the names Winchell Dry Cleaners and Valley Falls Dry Cleaners. Dry cleaner operator discharged perchloroethene (PCE) wastes directly onto the ground surface and into an on-site septic system.

The remedial action (RA) included replacement of three residential drinking water wells, excavation and removal for off-site disposal of all PCE contaminated soil, three underground storage tanks, a septic tank, a dry well and restoration of the site.

a. Area 1.2 acres b. Completed: ( ) Env. Property Assessment ( ) PSA ( ) SI ( ) ESI ( ) IRM ( )RI/FS ( ) Construction ( ) O&M (X)Other Remedial Action

9. HAZARDOUS WASTE DISPOSED (Include EPA Hazardous Waste Numbers)

23,721 gallons of hazardous liquids - F002 waste

10. ANALYTICAL DATA AVAILABLE

a. ( )Air (X)Groundwater ( )Surface Water ( )Sediment (X)Soil ( )Waste ( )Leachate ( )EPTox ( )TCLP

b. Contravention of Standards or Guidance Values

	Std/GW	GW
Tetrachloroethene	.7 ppb	11 ppb

11. CONCLUSION

The selected remedy for the site included replacement of three residential drinking water wells, excavation and removal for off-site disposal of all PCE contaminated soil, three underground storage tanks, a septic tank, a dry well and restoration of the site. The remedial construction was completed on March 7, 2000 in accordance with February 1998 Record of Decision (ROD) and the approved remedial design. Certificates to this effect are included in the Post Construction Reports for the SVES contract dated September 2000.

a. Institutional Controls (IC) Required? ( )Y (X)N b. If yes, identify c. Are these ICs in place and verified? ( )Y ( )N

Residences with contaminated water supply wells have been equipped with the Granular Activated Carbon Filter Units.

12. SITE IMPACT DATA

a. Nearest Surface Water: Distance 2640 ft. Direction N Class B

b. Groundwater: Depth 15 ft. Flow Direction SE ( )Sole Source (X)Primary ( )Other High-Yield Aquifer

c. Water Supply: Distance none ft. Direction Active ( )Yes ( )No

d. Nearest Building: Distance 60 ft. Direction N Use Residence

e. Documented fish or wildlife mortality?	( )Y	(X)N	h. Exposed hazardous waste?	( )Y	(X)N
f. Impact on special status fish or wildlife resource?	( )Y	(X)N	i. If proposed Classification is 2, Priority?	( ) 1	( ) 2 ( ) 3
g. Controlled Site Access?	(X)Y	( )N	j. EPA ID# NYR000084137	HRS Score	

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
Theodore and Lois Chmielewski	11 Lyons Street, Valley Falls, New York 12185	518-753-0311

16. PREPARER	17. APPROVED
Signature: [signature] Date: 10-27-00	Signature: [signature] Date: 4/18/02
Lech Dolata, Env. Eng. I, NYSDEC	ROBERT L. MARINO Director, BHSC
Name, Title, Organization	Name, Title, Organization

~original~

From: Robert Evans
To: Desnoyers, Dale; Geisendorfer, Alan; Hamilton, Eric; Leslie, Robert; Quartararo, Anthony; Schick, Robert
Date: 3/22/02 2:42PM
Subject: Proposed Reclass (2 to 4): Valley Falls Dry Cleaners ID # 442028

Valley Falls Dry Cleaners located on 11 Lyons Street Valley Falls, NY 12185, Rensslaer County is proposed to be reclassified in the Registry of IHWDS to a Class 4. As you know, the Brownfields/Voluntary Cleanup Section must sign off on all listing packages indicating whether there are any voluntary cleanup agreements, Brownfields agreements, MGP agreements, or any VC or BF negotiations under way.

We have no information in our files on this site. Please notify me within 3 days if you are aware of any information indicating the site associated with any of the site associated with any of the above-referenced programs. Thanks - Bob

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Flanigan Square, 547 River Street, Troy, New York 12180-2216

Antonia C. Novello, M.D., M.P.H., Dr.P.H.
Commissioner

Dennis P. Whalen
Executive Deputy Commissioner

March 8, 2002 MAR 13 2002

Mr. Dennis Farrar
Bureau of Hazardous Site Control
Division of Environmental Remediation
NYS Dept. of Environmental Conservation
625 Broadway – 11th Floor
Albany, New York 12233-7013

Re: Site Investigation Information
Valley Falls Dry Cleaners
Site #442028
Valley Falls, Rensselaer County

Dear Mr. Farrar:

Staff reviewed the Site Investigation Information package recommending reclassification of the Valley Falls Dry Cleaner site from a Class 2 to a Class 4 on the New York State Registry of Inactive Hazardous Waste sites. The selected remedy for the site was completed in March 2000 in accordance with the February 1998 Record of Decision. The remedy includes the replacement of three residential drinking water wells, excavation and removal and off-site disposal of contaminated soils, and the removal of three underground storage tanks, a septic system and a drywell. Long term monitoring of private drinking water quality and maintenance of residential water treatment units is ongoing.

I, therefore, concur with the proposed reclassification of the site from a Class 2 to 4. The signed decision form is enclosed.

If you have any questions, please call Mr. Michael Rivara at (518) 402-7850.

Sincerely,

Gary A. Litwin, Director
Bureau of Environmental Exposure Investigation

Enclosure

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-7010

John P. Cahill
Commissioner

ROD RECLASS INFORMATION

MEMORANDUM

TO:
- J. Swartwout Investigation Section
- E. Hamilton Regional Hazardous Waste Remediation Engineer
- G. Rider, O&M Section (As Needed)
- A. Grant, DEE
- A. Carlson, DOH, Bureau of Environmental Exposure Investigation

FROM: Robert Marino, Site Control Section, Division of Environmental Remediation

SUBJECT: Review of Classification Package for Site # 442028

DATE: November 21, 2000 Valley Falls Dry Cleaners 2 → 4

The attached "Registry Site Investigation Information Form" is included for your information.

If unacceptable, please return with an explanation of your position in a separate memo or letter as soon as possible.

Please keep the supporting documentation for your records.

NOTE: This site is being reclassed by Record of Decision (ROD). The ROD was signed on February 20, 1998.

Attachment(s)

Department of Environmental Conservation

Division of Environmental Remediation

Valley Falls Dry Cleaners
Site No. 4-42-028
Village of Valley Falls
Town of Pittstown
Rensselaer County, New York

Post Remediation Report

Bureau of Construction Services

September 2000

New York State Department of Environmental Conservation
GEORGE E. PATAKI, *Governor* JOHN P. CAHILL, *Commissioner*

Table of Contents

1. Background

1.1 Site location

The Valley Falls Dry Cleaner site is located in a residential area where single family homes are serviced by private drinking water wells. It occupies 1.2 acres and is located at 11 Lyons Street in the incorporated Village of Valley Falls, Town of Pittstown, Rensselaer County, New York. The site is approximately 0.5 mile from Hoosic River.

1.2 Site History

The site operated as a dry cleaning facility from the 1940s to the mid 1970s under the names Winchell Dry Cleaners and Valley Falls Dry Cleaners. It is believed that the dry cleaning operation discharged perchloroethene (PCE) wastes directly onto the ground surface and into an on-site septic system.

In January 1992, the NYSDOH sampled nine private wells in the area. Subsequently, the USEPA provided bottled water and installed granular activated carbon/ultraviolet units at six of the residences that exceeded the NYSDOH drinking water standard of 5 ppb. The NYSDEC completed a Phase I assessment of the site in June 1993, and the site was listed on the NYS Registry as a class 2 inactive hazardous waste disposal site. The NYSDEC conducted in-house remedial investigation work from early 1996 to December 1996. The ROD was issued on February 20, 1998. The remedial action was designed in-house by the Bureau of Central Remedial Action staff. The design was completed in March 1999.

2. Summary of Remedial Work performed under the remedial construction contract.

The contract was awarded to the Tyree Organization , Inc. of Latham, New York with Notice to Proceed date of January 7, 2000. Resident inspector was Russ Shaver of NYSDEC.

2.1 Scope of the Site Remediation Project

The scope of the contract work included replacement of three residential drinking water wells, excavation and disposal of PCE contaminated soil, a 1,000 gallon underground storage tank, a septic tank, a dry well,

confirmatory soil sampling, backfilling of the excavations and installation of a 8 inch soil cover over the disturbed areas.

The contract required excavation and removal of contaminated soil exhibiting concentration of perchloroethene (PCE) greater than 0.84 ppm.

2.2 Important Milestone Dates

Bid opening date:	September 22, 1999
Notice to Proceed date:	January 7, 2000
Mobilization date:	January 13, 2000
Substantial Completion date:	March 7, 2000
Final completion date:	April 5, 2000

2.3 Cost of the project

Engineer's estimate:	$174,700.00
The lowest bid:	$172,380.00
Change Order No.1:	$48,237.33
The final cost:	$220,617.33

2.4 Significant variations from the contract documents

Underground Storage Tanks (USTs)

The original contract provided for the removal of one 1000 gallons UST. As the excavation continued, two additional USTs were found. One tank had 500 gallons capacity, while the second one had 2,000 gallons capacity. Both tanks were used in the past for storage of petroleum products, they were corroded, and their contents leaked to the soil. These UTCs were excavated, cleaned and disposed off site.

Soil

The original contract called for the excavation and an off-site disposal of 120 tons of hazardous soil and debris and 85 tons of non-hazardous contaminated soil. No hazardous soil was found. The contractor excavated 269.49 tons of non-hazardous contaminated soil. This quantity overrun was dictated by the presence of petroleum contamination in the soil, beyond the designed limits of the excavation. During the excavation, the soil was screened using Photoionization Detector (PID) instrument.

The excavation continued until all contaminated soil was removed. The classification of the soil for disposal was based on STARS Memo #2 and the soil analytical results obtained from TOXICON CORPORATION of Bedford, Massachusetts, TAGM 3028.

Since the horizontal and vertical extent of petroleum related contamination exceeded the original estimate the Department decided to installed a 10 inch recovery well (see the attached Fig. - 7), which could be used for recovery of contaminated groundwater, should it become necessary.

Also, the Department ordered an additional soil investigation, to determine the extent of petroleum related contamination in the soil. The contractor took 26 soil Geoprobe samples, to a depth of 12 feet, and performed head space analysis using PID analyzer. The boring logs and PID screening results are attached in Appendix D.

Installation of Residential Water Wells

The contract specifications required the contractor to achieve a minimum yield of 5 gallons per minute (gpm) from each of the newly installed residential water wells, at an average well depth of 300 ft. This requirement was not met. The well installed at 9 Edward Street went to a depth of 500 feet and yielded only 3.0 gpm. The well at 12 Charles Street went to a depth of 500 feet and yielded 1.5 gpm and the well at 31 State Street was abandoned at a depth of 275 ft because there was minimal water. Also, this well was hydraulically connected to the old contaminated well. Since it was impractical to drill any deeper, the Department decided to decommission the new borehole and re-drill the existing well, as it was capable of yielding a sustained acceptable flow. The contractor decommissioned the new well and re-drilled the existing water well to a depth of 225 feet and a yield of 3.6 gpm. The contractor also supplied potable water to the residence at 31 State Street during decommissioning and re-drilling operations and monitored the performance of the existing water treatment system during the well development period.

The final location of the wells differed from their design location. The new locations for the residential wells were evaluated and selected during an on-site meeting by representatives of NYSDOH, Rensselaer County

Health Department (RCHD) and NYSDEC. This evaluation was performed with a view to select the best location for each well, taking into account the location of the septic tanks.

2.5 Cleanup goals

The following cleanup goals were specified in the Record of Decision:

Perchloroethene (PCE)	0.84 ppm
Petroleum	10 ppm, no odors

The specified cleanup goals were met across the excavated area and were verified by the post-excavation confirmatory sampling performed in 45 locations. Appendix B contains a tabulation of the post construction soil sampling results.

2.6 Change Orders

The Department issued one change order. The cost of Change Order No.1(Final) was $55,800.33 and it included the following modifications resulting in a revised contract amount of $228,180.33.

MODIFICATION 1. REMOVAL AND DISPOSAL OF UNDERGROUND STORAGE TANK (UST)

The original contract called for the removal of one 1000 gallon UST. However, during the remedial work, the contractor encountered two 550 gallon tanks and one 2000 gallon tank. The USTs were corroded, and their contents contaminated the surrounding soil. All three USTs had to be excavated and removed for off-site disposal. The cost of this work was determined on a Time and Materials (T&M) basis to be $19,810.

MODIFICATION 2. ADDITIONAL RESIDENTIAL WELL DRILLING

The contract specifications required the contractor to achieve a minimum yield from each of the wells installed as a part of the remedial work. To achieve this required yield and to make these wells productive, the contractor had to drill an additional 375 linear feet in excess of the contract quantity. This modification resulted in an extra cost of $15,675.00 that were determined using the contractual unit rate of $41.80 per linear foot.

MODIFICATION 3. ADDITIONAL CONSTRUCTION WATER MANAGEMENT.

Since the groundwater that accumulated in the excavation had to be removed to protect the stability of slopes and to allow excavation of the contaminated soil to continue, the contractor pumped out the contaminated water, stored, and transported for off-site disposal an additional 13,531 gallons. This modification resulted in an extra cost of $17,319.68, that was determined using the contractual unit rate of $1.28 per gallon.

MODIFICATION 4. DECOMMISSIONING OF RESIDENTIAL WELLS AT 9 EDWARD STREET AND 31 STATE STREET.

The NYSDOH required that residential drinking water wells that are to be no longer used, be properly decommissioned to protect the aquifer. The contractor was, therefore, directed to decommission the existing contaminated water well at 9 Edward Street, after the new well was installed. The cost of this additional work was determined on T&M basis to be $23,719.22. This cost included supply of drinking water to the residents at 21 State Street.

MODIFICATION 5. ADDITIONAL BACKFILL MATERIAL

The contractor placed and compacted an additional 16 cubic yards of backfill which was necessary to bring the site surface to the required grade as a part of the site restoration. The cost of this additional work was determined to be $243.20 based on the contractual unit rate of $15.20 per cu. yd.

MODIFICATION 6. ADDITIONAL EXCAVATION AND DISPOSAL OF NON-HAZARDOUS SOIL & DEBRIS

During the remedial action, the contractor excavated and removed for off-site disposal an additional 180.49 cubic yards of non-hazardous soil and debris at an extra cost of $14,258.71 that was determined using the contractual unit rate of $79.00 per cu. yd.

MODIFICATION 7. FINAL ADJUSTMENT OF CONTRACT QUANTITIES

The quantities under bid item Nos. UP-1, UP-2, UP-4, UP-5, LS-3, UP-13, UP-14 and UP-15 were underrun. This modification provided the Department with a credit of ($35,225.48).

2.7 Disposal Facilities

All contaminated non-hazardous soil was disposed at:

City of Albany Landfill,
525 Rapp Road
Albany, New York 12205

USTs were disposed at:

NH Kelman, Inc.
41 Euclid Street
Cohoes, NY 12147

Hazardous liquids were classified as F002 (due to the presence of PCE) and were disposed at:

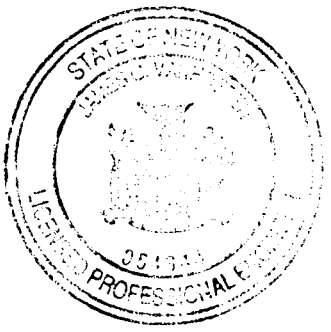
United Oil Recovery, Inc.
136 Gracey Ave.
Meridan, CT 06451
Received 23,531 gallons of hazardous liquids.

Cycle Chem, Inc.
217 South First Street
Elizabeth, N.J. 07206
Received 190 gallons of hazardous liquids.

3.0 Engineer's Certification

VALLEY FALL DRY CLEANER SITE
CONSTRUCTION CERTIFICATION

Construction was completed in substantial conformance with the Contract Documents entitled "Valley Falls Dry Cleaner, Site NO. 4-42-028, Village of Valley, Falls, Town of Pittstown, Rensselaer County, New York, Site Remediation Project dated March 1999 and Addendum No. 1 dated September 15, 1999.



Signature: James G. Van Hoesen

James G. Van Hoesen, P.E.
Designated Representative

Date: 10-10-00

APPENDIX A

ORIGINAL TABULATION OF BIDS RECEIVED

VALLEY FALLS DRY CLEANER
ENGINEERING ESTIMATE AND BID TABULATION
BIDS OPENED ON SEPTEMBER 22, 1999

ITEM N	DESCRIPTION	UNIT	QUANTITY	PRICE	X	ENGINEER'S ESTIMATE AMOUNT	X	THE TYREE ORGANIZATION UNIT PRICE	AMOUNT	X	GRIFFIN INDUSTRIAL SERVICES UNIT PRICE	AMOUNT	X	NORTH AMERICAN ENV. SERV. UNIT PRICE	AMOUNT	X
LS-1	MOB./DEMOB/SITE PREPARATION	L.S.	1	28,000.00	x	[illegible]	X	24,662.00	24,662.00	X	29,935.52	29,935.52	X	15,483.00	15,483.00	X
UP-1	SITE SERVICES	DAY	60	66.00	x	[illegible]	X	282.00	16,920.00	X	75.00	4,500.00	X	794.08	47,644.80	X
UP-2	HEALTH AND SAFETY	DAY	40	200.00	x	[illegible]	X	56.00	2,240.00	X	364.00	14,560.00	X	253.65	10,146.00	X
UP-3	BACKFILL MATERIAL	CY	110	10.00	x	[illegible]	X	15.20	1,672.00	X	34.57	3,802.70	X	21.63	2,379.30	X
LS-2	REMOVAL OF CONCRETE SLAB	L.S.	1	3,000.00	x	[illegible]	X	926.00	926.00	X	10,101.47	10,101.47	X	7,644.00	7,644.00	X
UP-4	UNCLASSIFIED EXCAV./BACKFIL	CY	200	30.00	x	[illegible]	X	24.16	4,832.00	X	23.82	4,764.00	X	75.00	15,000.00	X
UP-5	HAZ. SOIL&DEBRIS EXCAVATION AND DISPOSAL	TONS	120	300.00	x	[illegible]	X	204.70	24,564.00	X	181.29	21,754.80	X	291.18	34,941.60	X
UP-6	BEDDING SAND	CY	25	25.00	x	[illegible]	X	20.68	517.00	X	7.32	183.00	X	95.16	2,379.00	X
UP-7	NON-HAZ. SOIL&DEBRIS EXCAVATION AND DISP	CY	85	110.00	x	[illegible]	X	79.00	6,715.00	X	86.44	7,347.40	X	210.47	17,889.95	X
LS-3	UNDERGROUND ST.TANK EXCAV. AND DISP.	L.S	1	4,500.00	x	[illegible]	X	1,959.00	1,959.00	X	5,151.92	5,151.92	X	3,538.00	3,538.00	X
UP-8	TOPSOIL	SF	2000	0.40	x	[illegible]	X	0.93	1,860.00	X	1.30	2,600.00	X	0.18	360.00	X
UP-9	SEEDING, FERT. AND MULCH	SF	500	0.25	x	[illegible]	X	0.19	95.00	X	1.52	760.00	X	3.73	1,865.00	X
UP-10	RESIDENTIAL DRILLED WELL	LF	900	11.11	x	[illegible]	X	41.80	37,620.00	X	60.39	54,351.00	X	22.53	20,277.00	X
UP-11	FURN.&INST. WELL PUMP AND PIPING CONNNECT	EACH	3	5,000.00	x	[illegible]	X	8,400.00	25,200.00	X	8,574.94	25,724.82	X	2,835.67	8,507.01	X
UP-12	CONSTR. WATER MANAGEMENT	GAL	10000	0.50	x	[illegible]	X	1.28	12,800.00	X	1.41	14,100.00	X	1.56	15,600.00	X
UP-13	CONFIRMATORY SOIL SAMPLING	SAMPLE	53	580.00	x	[illegible]	X	131.00	6,943.00	X	576.00	30,528.00	X	661.64	35,066.92	
UP-14	CONSTRUCTION WATER SAMPLING	SAMPLE	10	900.00	x	[illegible]	X	144.00	1,440.00	X	290.40	2,904.00	X	364	3,640.00	
UP-15	RESIDENTIAL WELL WATER SAMPLING	SAMPLE	5	700.00	x	[illegible]	X	183.00	915.00	X	1,134.12	5,670.60	X	520	2,600.00	
		TOTAL COST EXTENDED			x	[illegible]	X		**171,880.00**	X		**238,739.23**	X		**244,961.58**	E

ITEM N	DESCRIPTION	UNIT	QUANTITY	PRICE	X	ENGINEER'S ESTIMATE AMOUNT	X	ENVIRONM. PROD. &SERV. UNIT PRICE	AMOUNT	X	OP-TECH ENV. SERVICES UNIT PRICE	AMOUNT	X	RITTER TREE&CONSTR. SERV. UNIT PRICE	AMOUNT	X
LS-1	MOB./DEMOB/SITE PREPARATION	L.S.	1	28,000.00	x	[illegible]	X	30,000.00	30,000.00	X	50,000.00	50,000.00	X	55,000.00	55,000.00	X
UP-1	SITE SERVICES	DAY	60	66.00	x	[illegible]	X	100.00	6,000.00	X	70.00	4,200.00	X	250.00	15,000.00	X
UP-2	HEALTH AND SAFETY	DAY	40	200.00	x	[illegible]	X	400.00	16,000.00	X	250.00	10,000.00	X	600.00	24,000.00	X
UP-3	BACKFILL MATERIAL	CY	110	10.00	x	[illegible]	X	35.00	3,850.00	X	120.00	13,200.00	X	22.00	2,420.00	X
LS-2	REMOVAL OF CONCRETE SLAB	L.S.	1	3,000.00	x	[illegible]	X	3,000.00	3,000.00	X	7,500.00	7,500.00	X	6,000.00	6,000.00	X
UP-4	UNCLASSIFIED EXCAV./BACKFIL	CY	200	30.00	x	[illegible]	X	110.00	22,000.00	X	125.00	25,000.00	X	32.00	6,400.00	X
UP-5	HAZ. SOIL&DEBRIS EXCAVATION AND DISPOSAL	TONS	120	300.00	x	[illegible]	X	300.00	36,000.00	X	275.00	33,000.00	X	170.00	20,400.00	X
UP-6	BEDDING SAND	CY	25	25.00	x	[illegible]	X	80.00	2,000.00	X	40.00	1,000.00	X	33.00	825.00	X
UP-7	NON-HAZ. SOIL&DEBRIS EXCAVATION AND DISP	CY	85	110.00	x	[illegible]	X	165.00	14,025.00	X	145.00	12,325.00	X	150.00	12,750.00	X
LS-3	UNDERGROUND ST.TANK EXCAV. AND DISP.	L.S	1	4,500.00	x	[illegible]	X	8,000.00	8,000.00	X	4,800.00	4,800.00	X	7,000.00	7,000.00	X
UP-8	TOPSOIL	SF	2000	0.40	x	[illegible]	X	2.50	5,000.00	X	2.50	5,000.00	X	4.00	8,000.00	X
UP-9	SEEDING, FERT. AND MULCH	SF	500	0.25	x	[illegible]	X	6.00	3,000.00	X	1.00	500.00	X	5.00	2,500.00	X
UP-10	RESIDENTIAL DRILLED WELL	LF	900	11.11	x	[illegible]	X	46.00	41,400.00	X	44.00	39,600.00	X	40.00	36,000.00	X
UP-11	FURN.&INST. WELL PUMP AND PIPING CONNNECT	EACH	3	5,000.00	x	[illegible]	X	5,000.00	15,000.00	X	7,200.00	21,600.00	X	6,000.00	18,000.00	X
UP-12	CONSTR. WATER MANAGEMENT	GAL	10000	0.50	x	[illegible]	X	2.80	28,000.00	X	1.75	17,500.00	X	2.5	25,000.00	X
UP-13	CONFIRMATORY SOIL SAMPLING	SAMPLE	53	580.00	x	[illegible]	X	400.00	21,200.00	X	225.00	11,925.00	X	360	19,080.00	
UP-14	CONSTRUCTION WATER SAMPLING	SAMPLE	10	900.00	x	[illegible]	X	600.00	6,000.00	X	400.00	4,000.00	X	360	3,600.00	
UP-15	RESIDENTIAL WELL WATER SAMPLING	SAMPLE	5	700.00	x	[illegible]	X	1,000.00	5,000.00	X	900.00	4,500.00	X	1800	9,000.00	
		TOTAL COST EXTENDED			x	[illegible]	X		**265,475.00**	X		**265,650.00**	X		**270,975.00**	X

ITEM N	DESCRIPTION	UNIT	QUANTITY	PRICE	X	ENGINEER'S ESTIMATE AMOUNT	X	HOOSICK VALLEY CONTR. UNIT PRICE	AMOUNT	X	VALLEY EQUIP. COMP. UNIT PRICE	AMOUNT	X			X
LS-1	MOB./DEMOB/SITE PREPARATION	L.S.	1	28,000.00	x	[illegible]	X	90,900.00	90,900.00	X	97,091.00	97,091.00	X			X
UP-1	SITE SERVICES	DAY	60	66.00	x	[illegible]	X	880.00	52,800.00	X	485.00	29,100.00	X			X
UP-2	HEALTH AND SAFETY	DAY	40	200.00	x	[illegible]	X	160.00	6,400.00	X	3,286.00	131,440.00	X			X
UP-3	BACKFILL MATERIAL	CY	110	10.00	x	[illegible]	X	54.00	5,940.00	X	74.00	8,140.00	X			X
LS-2	REMOVAL OF CONCRETE SLAB	L.S.	1	3,000.00	x	[illegible]	X	5,885.00	5,885.00	X	2,409.00	2,409.00	X			X
UP-4	UNCLASSIFIED EXCAV./BACKFIL	CY	200	30.00	x	[illegible]	X	76.00	15,200.00	X	88.00	17,600.00	X			X
UP-5	HAZ. SOIL&DEBRIS EXCAVATION AND DISPOSAL	TONS	120	300.00	x	[illegible]	X	682.00	81,840.00	X	266.00	31,920.00	X			X
UP-6	BEDDING SAND	CY	25	25.00	x	[illegible]	X	75.00	1,875.00	X	135.00	3,375.00	X			X
UP-7	NON-HAZ. SOIL&DEBRIS EXCAVATION AND DISP	CY	85	110.00	x	[illegible]	X	154.00	13,090.00	X	292.00	24,820.00	X			X
LS-3	UNDERGROUND ST.TANK EXCAV. AND DISP.	L.S	1	4,500.00	x	[illegible]	X	5,100.00	5,100.00	X	8,256.00	8,256.00	X			X
UP-8	TOPSOIL	SF	2000	0.40	x	[illegible]	X	2.65	5,300.00	X	1.30	2,600.00	X			X
UP-9	SEEDING, FERT. AND MULCH	SF	500	0.25	x	[illegible]	X	2.20	1,100.00	X	2.35	1,175.00	X			X
UP-10	RESIDENTIAL DRILLED WELL	LF	900	11.11	x	[illegible]	X	47.50	42,750.00	X	65.00	58,500.00	X			X
UP-11	FURN.&INST. WELL PUMP AND PIPING CONNNECT	EACH	3	5,000.00	x	[illegible]	X	3,940.00	11,820.00	X	10,500.00	31,500.00	X			X
UP-12	CONSTR. WATER MANAGEMENT	GAL	10000	0.50	x	[illegible]	X	0.50	5,000.00	X	2.30	23,000.00	X			X
UP-13	CONFIRMATORY SOIL SAMPLING	SAMPLE	53	580.00	x	[illegible]	X	525.00	27,825.00	X	480.00	25,440.00	X			X
UP-14	CONSTRUCTION WATER SAMPLING	SAMPLE	10	900.00	x	[illegible]	X	400.00	4,000.00	X	486.00	4,860.00	X			X
UP-15	RESIDENTIAL WELL WATER SAMPLING	SAMPLE	5	700.00	x	[illegible]	X	580.00	2,900.00	X	2,909.00	14,545.00	X			X
		TOTAL COST EXTENDED			x	[illegible]	X		**379,725.00**	E		**516,771.00**	E			X

E - BIDS CONTAINING ARITHMETICAL ERRORS

APPENDIX B

POST CONSTRUCTION SOIL SAMPLING LOCATION AND RESULTS

New York State Department Of Environmental Conservation
Site Remediation Project
Valley Falls Dry Cleaner Soil Excavation
Valley Falls, New York
Site # 4-42-028

Verification Soil Sample Results Summary
All values reported in mg/kg

Target Cleanup Goal is **0.84** mg/kg

Sample #	PCE	Petroleum		ASP package	Notes	
ES-1	0.029	ND		X		
ES-2	0.079	ND		X		
ES-3	0.095	ND		X		
ES-4	0.026	ND		X		
ES-5	0.15	ND		X		
ES-6	ND	ND		X		
ES-7	0.011	ND		X		
ES-8	0.004	ND		X		
ES-9	0.097	ND		X		
ES-10	0.023	ND		X		
ES-11	87,000	5400		X	further excavation; # 12 is resample	
ES-12	0.18	148		X		
ES-13	ND	ND		X		
ES-13a	ND	ND		X		
ES-14	ND	ND		X		
ES-15	0.015	ND		X		
ES-15a	0.011	ND		X		
ES-15b	ND	ND		X		
ES-16	0.008	ND		X		
ES-16a	0.012	ND		X		
ES-18	0.009	ND		X		
ES-18a	0.089	ND		X		
ES-19	0.005	ND		X		
ES-20	0.022	ND		X		
ES-21	0.005	ND		X		
ES-22	0.004	ND		X		
ES-23	0.014	ND		X		
ES-24a	0.003	ND		X		
ES-24b	0.25	ND		X		
ES-25a	0.077	ND		X		
ES-25b	0.059	ND		X		
ES-26a	0.009	ND		X		
ES-26b	0.071	ND		X		
ES-27a	0.032	ND		X		
ES-27b	0.1	ND		X		

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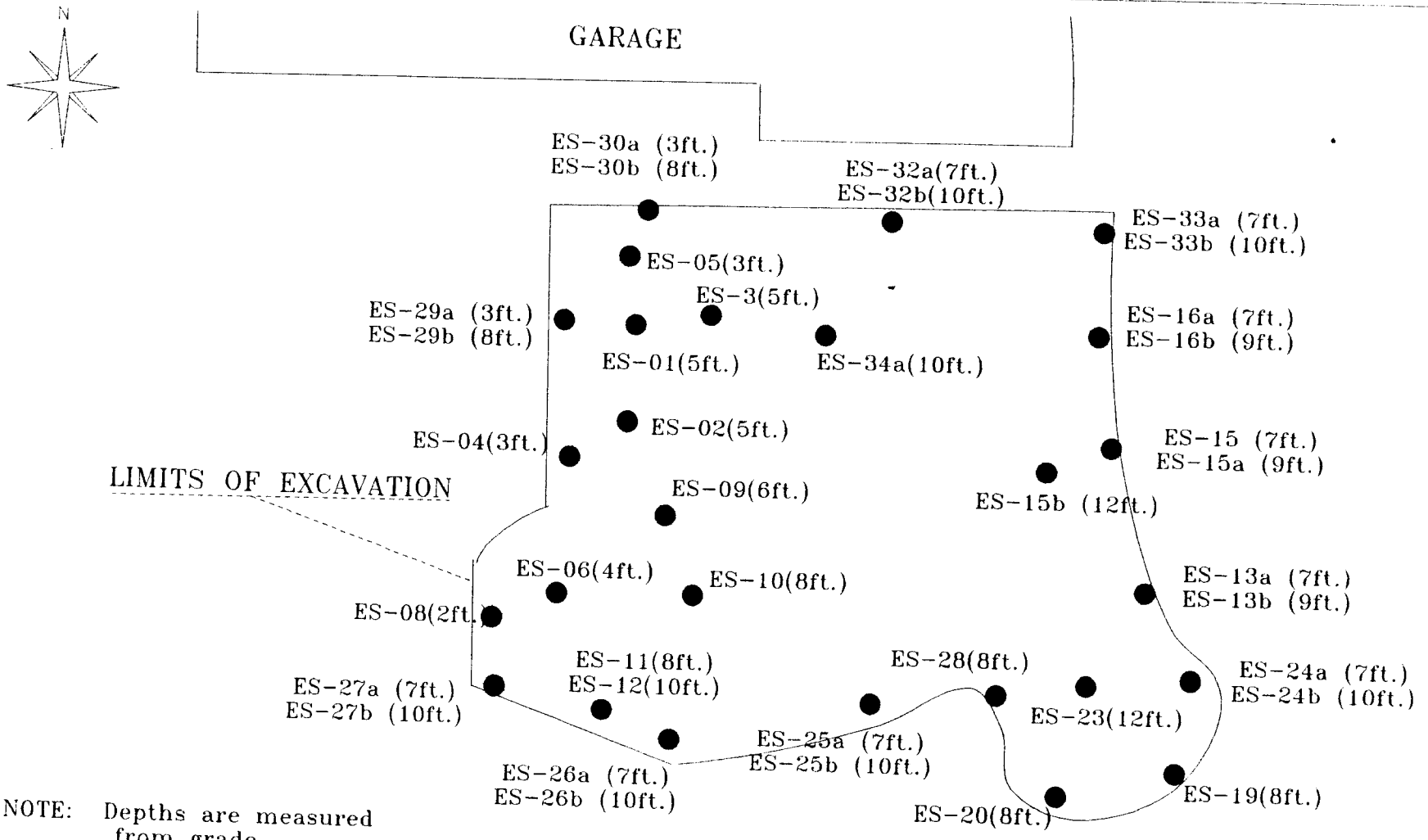
ES-28a	0.017	ND		X
ES-29a	0.007	ND		X
ES-29b	0.054	ND		X
ES-30a	0.012	ND		X
ES-30b	0.23	ND		X
ES-31	0.017	ND		X
ES-32a	0.013	ND		X
ES-32b	0.16	ND		X
ES-33a	0.009	ND		X
ES-33b	0.24	ND		X
ES-34a	0.23	ND		X



NOTE: Depths are measured from grade.

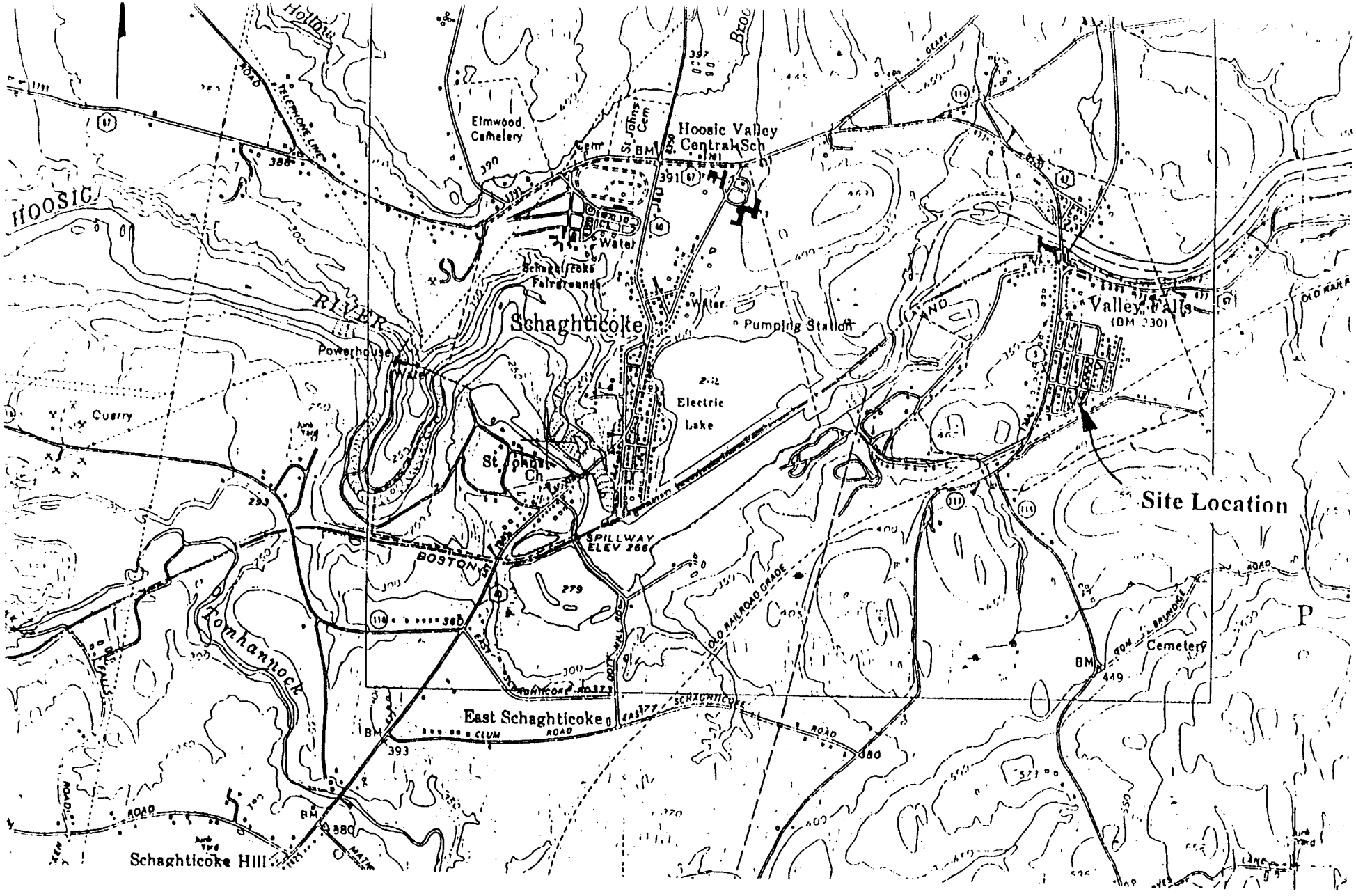
VALLEY FALLS DRY CLEANERS
SITE REMEDIATION PROJECT
VALLEY FALLS, New York
Site # 4-42-028

VERTICAL SCALE: NA	DATE	TITLE: POST-EXCAVATION SOIL SAMPLE LOCATIONS	
DRAWN BY			
CHECKED BY		Tyree Organization, Ltd.	
DESIGNED BY		SIZE: A	FSCM NO
DESIGN ACTIVITY		DWG NO - FILE NAME: FIGURE 1	
CUSTOMER		HORIZONTAL SCALE: Not to Scale	DATE: March 2000
		SHEET: 1 of 1	

APPENDIX C

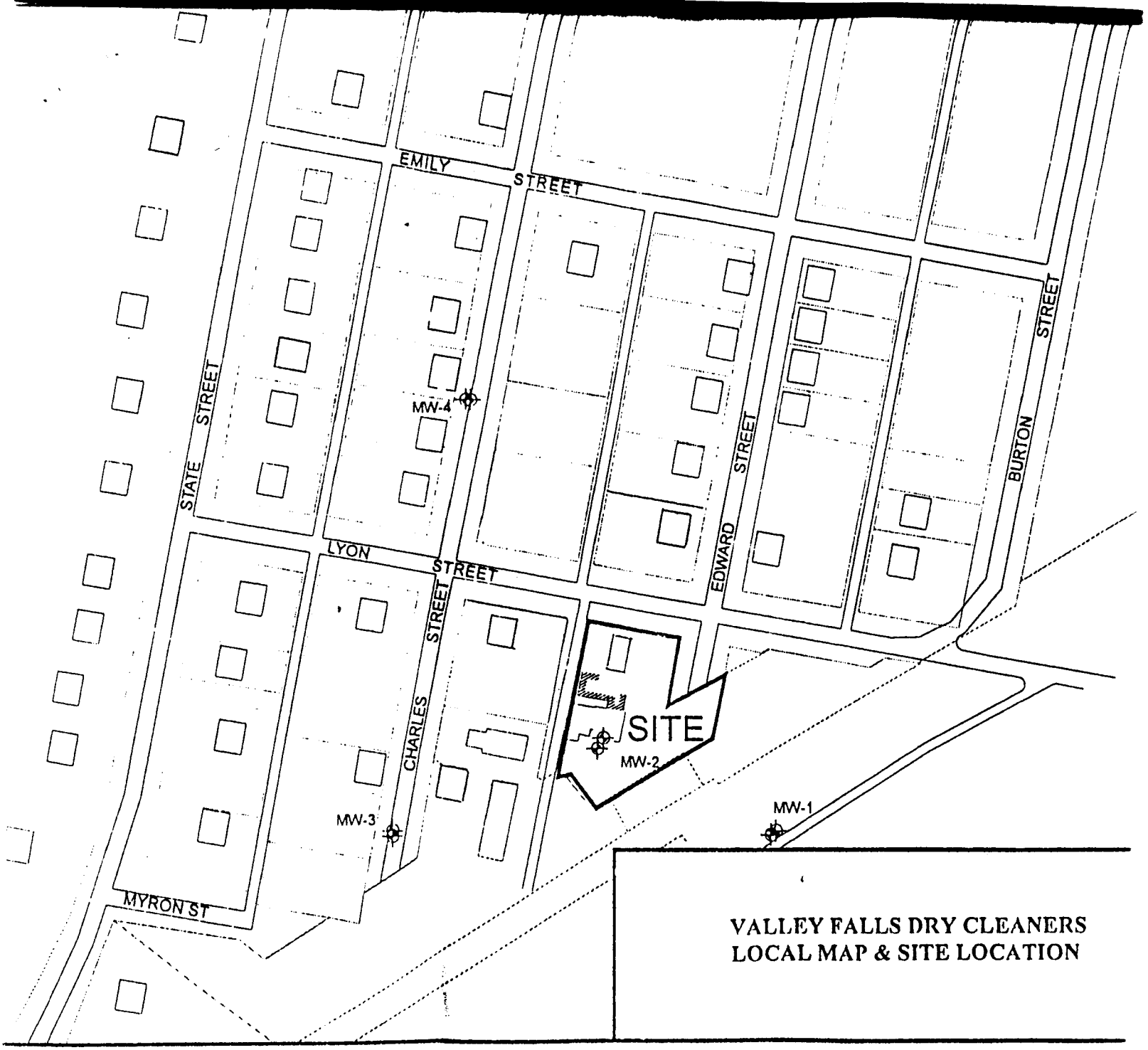
DRAWINGS

Figure 1-1	General Site Location Map
Figure 1-2	Local Site Location Map
Figure 2-1	Soil Boring Location Map
Figure 2-2	Soil Boring Location Field Sketch
Figure 7	Recovery Well - Cross Section
Figure 7-1	Recovery Well Location



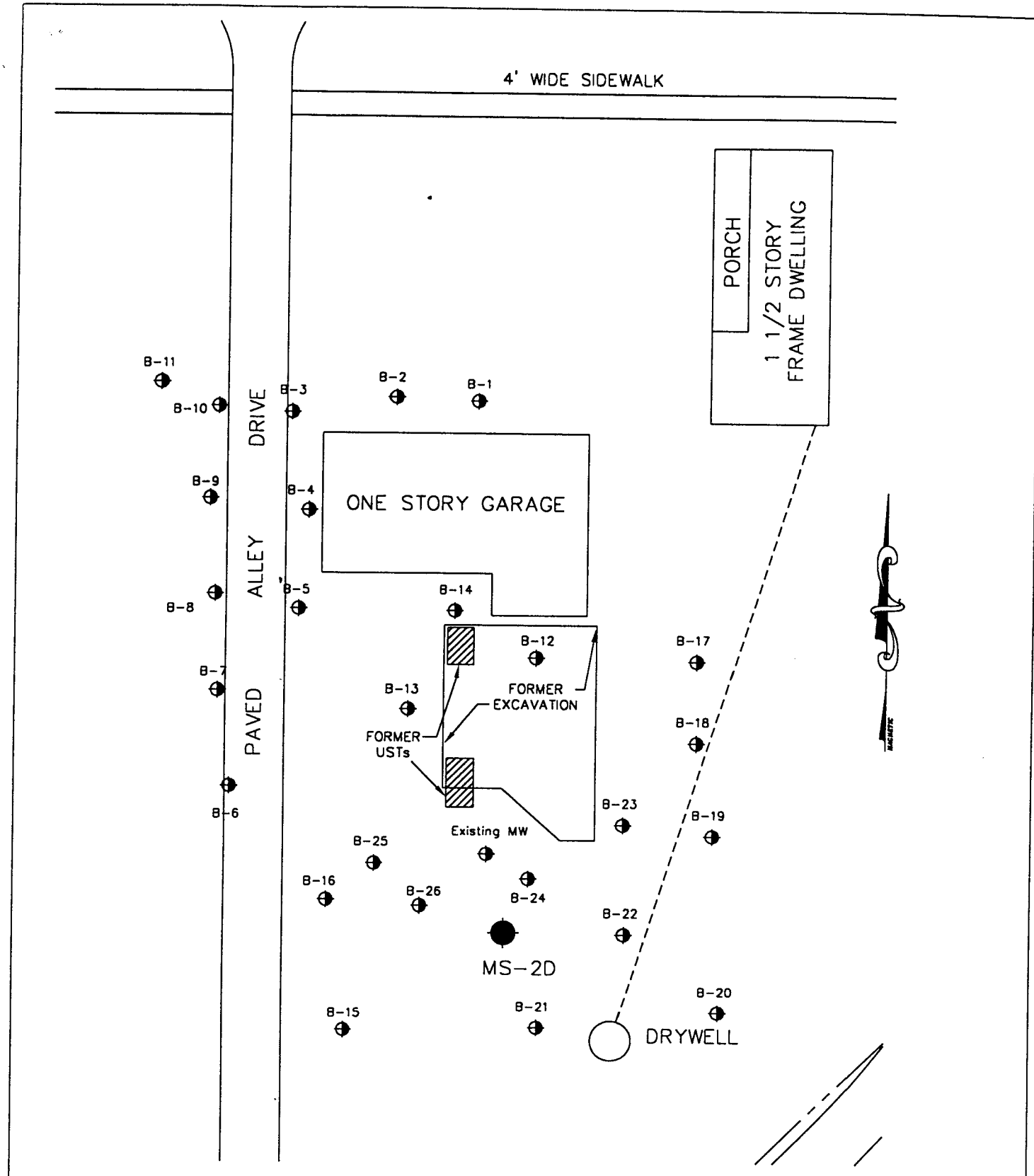
GENERAL LOCATION MAP
SCHAGHTICOKE QUADRANGLE
NOT TO SCALE

FIG. 1-1



LOCAL MAP

FIG. 1-2



LEGEND

- SOIL BORING LOCATIONS
- MONITORING WELL COMPLETED IN BEDROCK

TYREE ORGANIZATION, Ltd.

SOIL BORING SKETCH MAP

SITE: VALLEY FALLS DRY CLEANERS		SCALE:
LOCATION: VALLEY FALLS, NEW YORK		NONE
RENSSELAER COUNTY		PLATE:
CLIENT: NYSDEC		FIGURE 2-1
DRW BY: JSC	DATE: 4/3/2000	

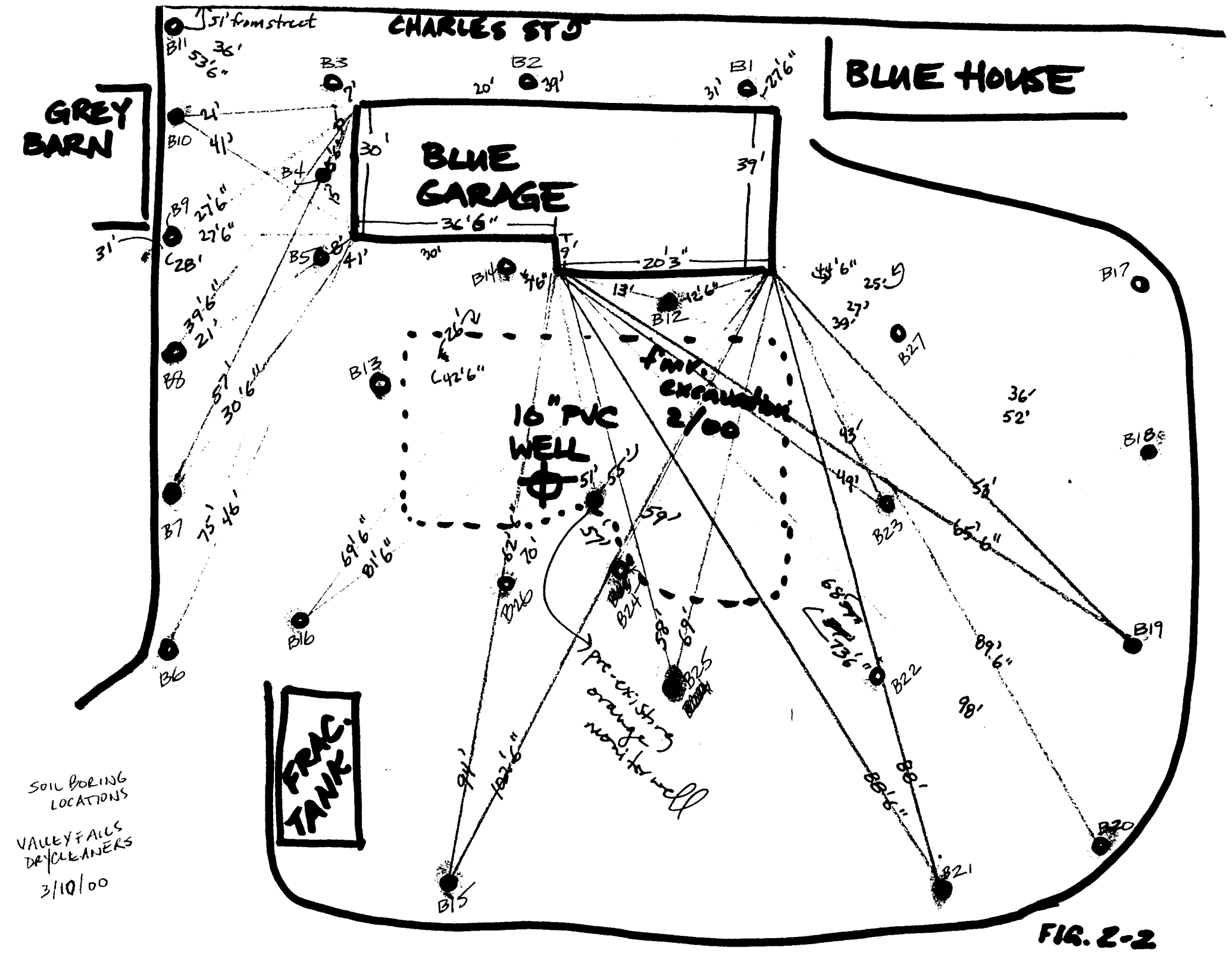

CHARLES ST
BLUE HOUSE
GREY BARN
BLUE GARAGE
30'
39'
36'6"
20'3"
51' from street
B11
B3
B2
B1
B10
B4
B9
B5
B14
B12
B17
B27
B13
B8
B7
B6
B16
B26
B24
B25
B23
B18
B19
B22
B21
B20
B15
10" PVC WELL
FWK excavation 2/00
FRAC TANK
pre-existing orange monitor well
SOIL BORING LOCATIONS
VALLEY FALLS DRYCLEANERS
3/10/00

FIG. 2-2

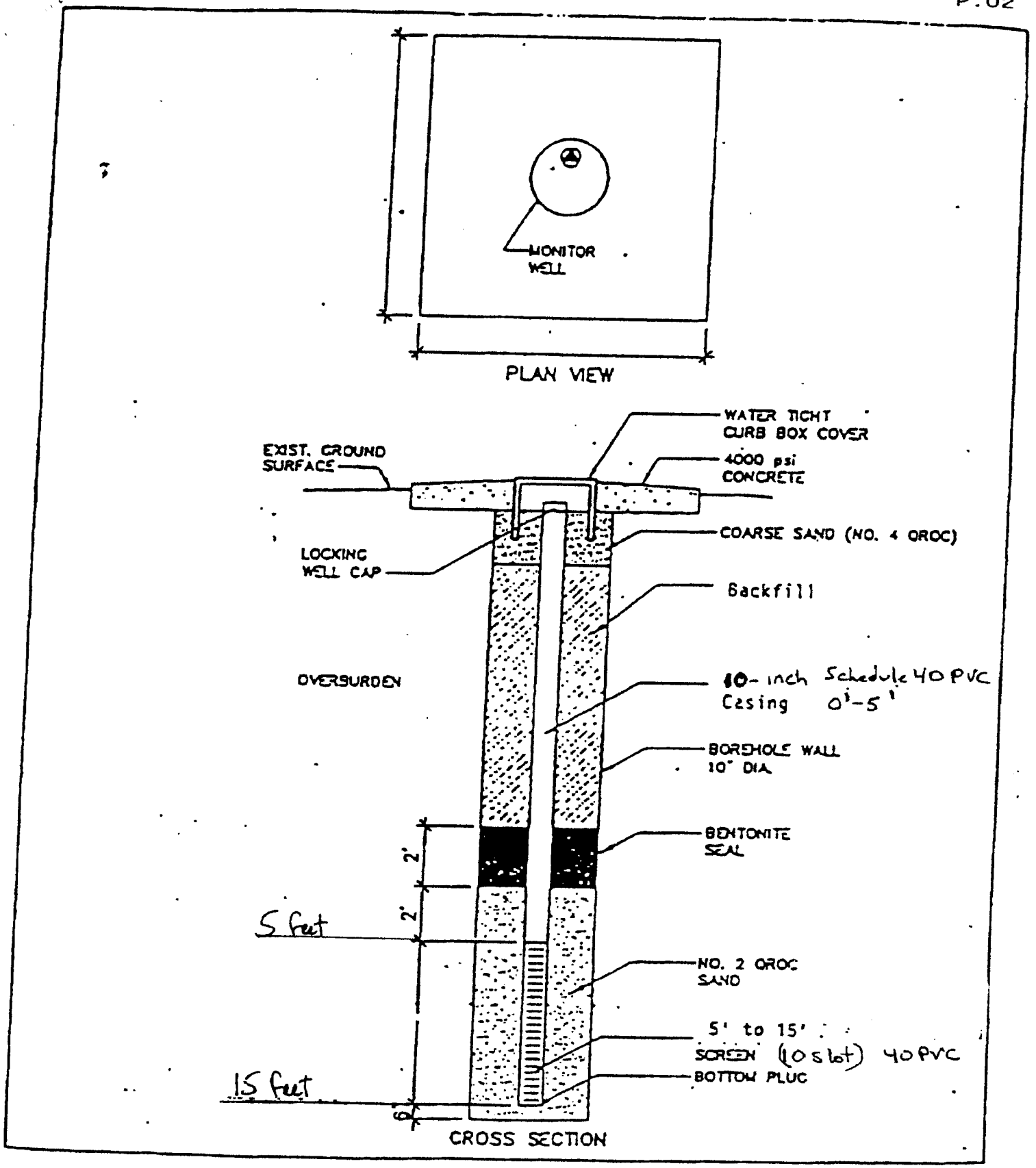
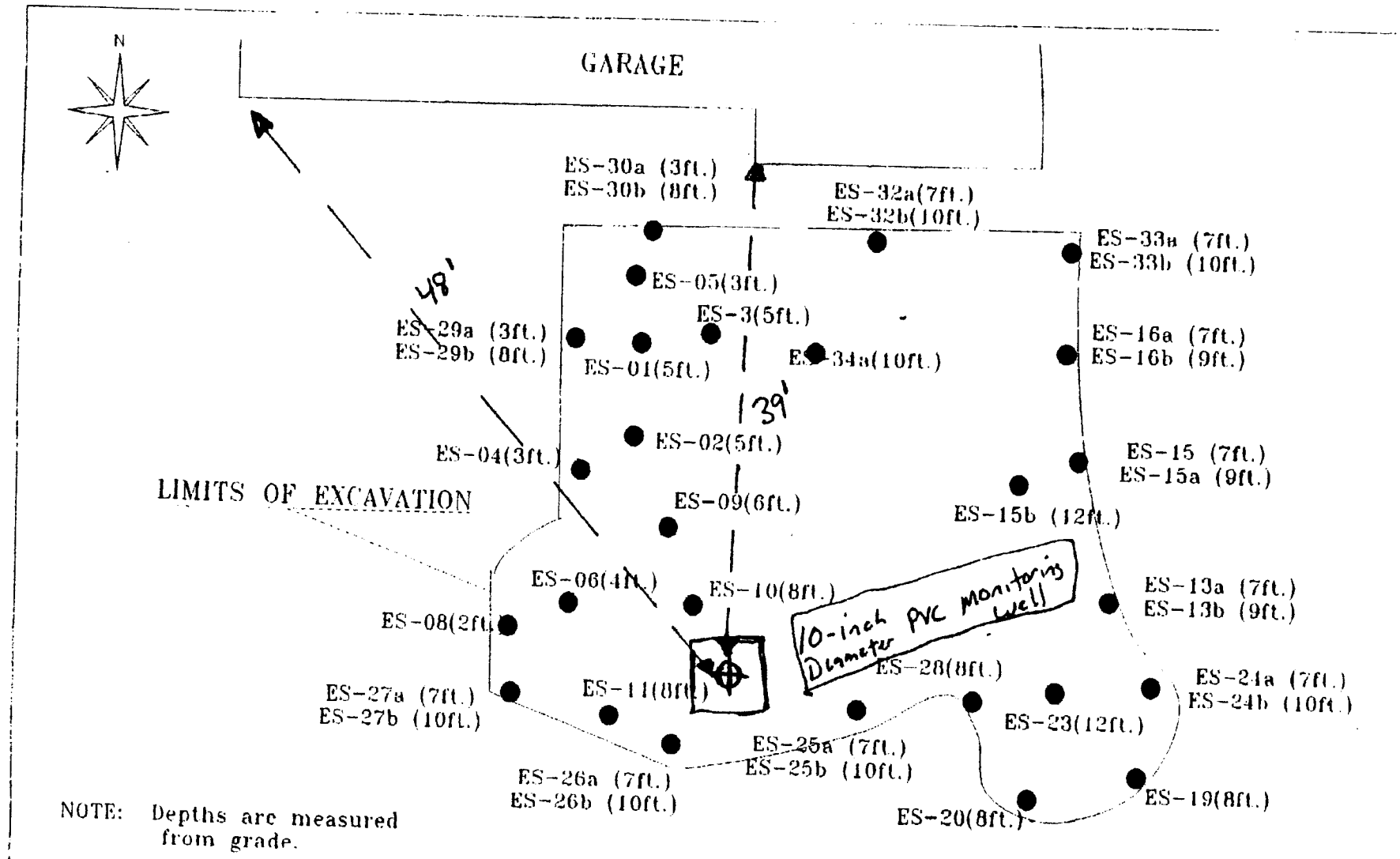


FIGURE 7: OVERBURDEN WELL CONSTRUCTION



NOTE: Depths are measured from grade.

VALLEY FALLS DRY CLEANERS
SITE REMEDIATION PROJECT
VALLEY FALLS, New York
Site # 4-42-028

VERTICAL SCALE	NA
DRAWN BY	
CHECKED BY	
DESIGNED BY	
DESIGN ACTIVITY	
CUSTOMER	
DATE	

TITLE: POST EXCAVATION SOIL SAMPLE LOCATIONS

Tyree Organization, Ltd.

SIZE	FSCM NO	DWG NO / FILE NAME
A		FIGURE 7-1

HORIZONTAL SCALE	DATE	SHEET
Not to Scale	March 2000	1 of 1

APPENDIX D

WELL LOGS

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME
B1

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0		0			(0-4') BROWN SANDY GRAVEL
1					
2					
3					
4		0			
5					(4-8) BROWN SILTY SAND AND GRAVEL, MOIST
6					
7					
8		0			
9					(8-12)
10					8-10: SANDY f GRAVEL, WET
11					10-11: SILTY SAND AND mf GRAVEL, SOME CLAY
12					11-12: GRAY SILTY CLAY, SOME ANGULAR m GRAVEL (TILL); VERY MOIST
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4 "
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B2

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0		0			(0-4') BROWN SANDY GRAVEL
1					
2					
3					
4		0			(4-8') BROWN SILTY SAND AND mf GRAVEL, MOIST. WET @ 7'.
5					
6					
7					
8		3			(8-12')
9					8-10: SILTY COARSE SAND AND mf GRAVEL, WET
10					
11					10-11: BROWN SILTY CLAY AND MEDIUM ROUNDED GRAVEL
12					11-12: GREY SILTY CLAY WITH ANGULAR mc GRAVEL.
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

LEGEND

- ☐ Native material
- ☐ Sand Pack
- ☐ Bentonite
- ☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B3

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: T. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4') BLIND PROBE
1					
2					
3					
4		2			(4-8) BROWN SILTY COARSE SAND AND mf GRAVEL, MOIST.
5					2" LAYERS WHICH VARY IN COARSENESS
6					
7					WET AT 7'
8		2			
9					(8-12) GRAVEL, SOME COARSE SAND, WET
10					
11					11.5': 4-6" FRACTURED SHALE
12					12': BROWN SILTY CLAY (TILL)
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2¼"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B4

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4) BLIND PROBE
1					
2					
3					
4					(4-8) COARSE SAND AND mf GRAVEL
5					
6					
7		2.7			
8					(8-12)
9					8-10: BROWN SAND AND GRAVEL, VERY MOIST
10		3			
11					10-11: BROWN SILTY CLAY AND GRAVEL
12					11-12: GRAY SILTY CLAY AND GRAVEL
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2¼"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B5

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion
0				
1				
2				
3				
4				
5		3		
6				
7		3.4		
8				
9				
10		3.9		
11				
12				
13				
14				
15				
16				
17				

Notes: ppm=parts per million, nd=not detected

Field Description of Soil

(0-4')
Blind probe.

(4-8')
BROWN COARSE SAND AND mf GRAVEL, VERY MOIST.
WET AT 7'.
5': 2" LAYER OF BLACK ORGANIC MATERIAL

(8-12')
8-10: SILTY COARSE SAND AND f GRAVEL, WET
10': 2" LAYER OF BLACK GRAVEL
10-12: BROWN SILTY CLAY AND GRAVEL.

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type:
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B6

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: T. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4) BLIND PROBE.
1					
2					
3					
4					(4-8)
5		3.5			4-5: BROWN SILTY f SAND
6					5': 2" LAYER OF BLACK ORGANIC MATERIAL
7		2.7			5-7': mf GRAVEL
8					7-8': SANDY mf GRAVEL WET AT 7'
9					
10		2.6			(8-12')
11					8-10: COARSE SAND AND mf GRAVEL, WET
12					10': 2" LAYER OF RED-BROWN STAINING
13					10-12: BROWN SILTY CLAY AND GRAVEL, VERY MOIST.
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:
Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

LEGEND

- ☐ Native material
- ☐ Sand Pack
- ☐ Bentonite
- ☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME
B7

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: T. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4') BLIND PROBE
1					
2					
3					
4					(4-8')
5					4-7: BROWN SILTY COARSE SAND, SOME f GRAVEL
6					
7		3.0			WET AT 7'
8					7-8': SANDY GRAVEL
9		2.6			(8-12')
10					8-9.5: COARSE SAND AND m GRAVEL, WET
11					
12					9.5-12: BROWN SILTY CLAY WITH ROUNDED AND ANGULAR GRAVEL
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B8

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion
7		3.2		
10		2.8		
11		2.5		

Field Description of Soil

(0-4') BLINDPROBE

(4-8')

4-7.5': BROWN SILTY SAND, MOIST

7.5-8: mf GRAVEL, WET

(8-12')

8-10: COARSE SAND AND mf GRAVEL

10': 2" RED-ORANGE STAINING

10-12: BROWN SILTY CLAY AND GRAVEL.

11': LARGE PIECE OF BLACKSHALE.

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:
Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

LEGEND

- ☐ Native material
- ☐ Sand Pack
- ☐ Bentonite
- ☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B9

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion
4		3.5		
7		2.8		
12		3.3		

Field Description of Soil

(0-4) BLIND PROBE

(4-8)
4-7: SILTY SAND, SOME GRAVEL.

7-8: mf GRAVEL

(8-12)
GRAVEL, WET

12': BROWN SILTY CLAY

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

LEGEND

- ☐ Native material
- ☐ Sand Pack
- ☐ Bentonite
- ☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B10

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4') BLIND PROBE
1					
2					
3					
4					(4-8') SILTY SAND AND GRAVEL
5					8': SILTY GRAVEL
6					
7		2.4			
8					(8-12')
9		2.4			8-9: SILTY f SAND, VERY MOIST TO WET
10					
11					9-11.5: SILTY f SAND AND ROUNDED GRAVEL
12					11.5-12: BROWN SILTY CLAY WITH GRAVEL, BECOMING GRAY WITH DEPTH
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited Latham, NY

WELL LOG

BORING NAME: B11

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4) BLIND PROBE
1					
2					
3					
4					(4-8) INTERLAYERED SILTY SAND AND GRAVEL AND COARSE SAND AND mf GRAVEL. WET AT 8'
5					
6					
7					
8		1.2			(8-12)
9					8-11: COARSE SAND AND mf GRAVEL
10					
11		2.1			11-12: BROWN SILTY CLAY AND GRAVEL
12					
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

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Latham, NY

WELL LOG

BORING NAME: B12

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/08/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4) BLIND PROBE
1					
2					
3					
4					(4-8) BROWN COARSE SAND AND mf GRAVEL, VERY MOIST. WET AT 7'
5					
6					
7		2.0			
8					(8-12)
9					8-11: COARSE SAND AND GRAVEL
10					
11		3.6			11': 2" LAYER OF CRUSHED STONE
12					11-12: BROWN SILTY CLAY AND GRAVEL BECOMING GRAY
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2¼"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

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Latham, NY

WELL LOG

BORING NAME: B13

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRYCLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4) BLIND PROBE
1					
2					
3					
4					(4-8) BROWN SAND AND GRAVEL WET AT 7'
5					
6					
7		2.0			
8					(8-12) 8-10: COARSE SAND AND GRAVEL BROWN
9					
10		1.0			10-12: SILTY CLAY AND GRAVEL, BECOMING GREY
11					
12					
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

LEGEND

- ☐ Native material
- ☐ Sand Pack
- ☐ Bentonite
- ☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B14

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion
0				
1				
2				
3				
4				
5				
6				
7		3.2		
8				
9				
10		4.0		
11				
12				
13				
14				
15				
16				
17				

Field Description of Soil

(0-4') BLIND PROBE

(4-8') SANDY GRAVEL WET AT 7'

(8-12)

8-10: SANDY GRAVEL

10': LAYER (3") OF CRUSHED STONE

10-12: BROWN SILTY CLAY and GRAVEL

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B-15

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: T. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4') BUNDPROBE
1					
2					
3					
4					(4-8') SAND AND GRAVEL WET AT 7'
5					
6					
7		3.0			
8					(8-12') 8-10: SANDY GRAVEL
9					
10		4.2			10-12: SILTY CLAY AND GRAVEL
11					
12					
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

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Latham, NY

WELL LOG

BORING NAME: B16

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRYCLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4) BLINDPROBE
1					
2					
3					
4					(4-8') BROWN COARSE SAND AND GRAVEL WET AT 8'
5					
6					
7					
8		3.4			(8-12) 8-9.5' SANDY GRAVEL
9		3.3			9.5-12' BROWN SILTY CLAY AND GRAVEL, BECOMING GRAY.
10					
11					
12					
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

LEGEND

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B17

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/8/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4) BLIND PROBE
1					
2					
3					
4					(4-8) INTERLAYERED COARSE SAND AND mf GRAVEL; AND, SILTY SAND, SOME GRAVEL - WET AT 7'
5					
6					
7		1.9			NATURAL VARYING OBSERVED AT 8'
8					
9					(8-12)
10					8-10: COARSE SAND AND mf GRAVEL
11		33			10': FRACTURED ROCK ZONE (2")
12					10-11': COARSE SAND AND mf GRAVEL
13					11-12': BROWN SILTY CLAY AND GRAVEL, MOIST (RED-ORANGE STAINING AT 11')
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

Drawn by: J. Carr

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2¼"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:
Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

LEGEND

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B18

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/9/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4) BLIND PROBE
1					
2					
3					
4					(4-8) BROWN SAND AND GRAVEL, WET
5		1.1			
6					
7					
8					(8-12) 8-10': COARSE SAND AND mf GRAVEL
9					
10		2.0			10': 2" LAYER CRUSHED STONE
11					
12					10-12': GREY CLAY, LITTLE SILT, TRACE GRAVEL.
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B-19

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRYCLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/08/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4') BLIND PROBE
1					
2					
3					
4					(4-8') BROWN SANDY GRAVEL WET AT 6'
5					
6		3.7			
7					
8					(8-12) 8-9: SAME
9		3.0			9-12: BROWN CLAY, SOME SILT. BECOMING GRAY WITH DEPTH
10					
11					
12					
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B20

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRYCLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/9/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4') BLIND PROBE
1					
2					
3					(4-8')
4					4-6': SILTY SAND
5					6-8': SAND AND GRAVEL
6		1.8			WET AT 6'
7					(8-12')
8					mf GRAVEL, SOME COARSE SAND, WET.
9					(12-16')
10					12-14: SAND AND GRAVEL
11					14-16: TAN SILTY CLAY, TRACE GRAVEL
12					VERY MOIST.
13					
14		2.3			
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 16'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B-21.

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/9/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4') BLIND PROBE
1					
2					
3					
4					(4-8') SAND AND GRAVEL WET AT 5'
5		1.9			
6					
7					
8					(8-12') mf GRAVEL, SOME COARSE SAND, WET
9					
10					
11					
12					(12-16') 12-14: SAME
13					
14		2.0			14-16: BROWN CLAYEY SILT, WET GRAY WITH DEPTH
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2¼"
Depth: 16'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B-22

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRYCLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/9/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4') BLIND PROBE
1					
2					
3					(4-8') SANDY mf GRAVEL, WET
4					
5					
6					(8-12') SANDY mf GRAVEL
7					
8					(14-18')
9					14-15: SAME
10					2" OF RED-BRDWN STAINING AT 15'
11					15-18: BROWN SILTY CLAY, TRACE GRAVEL
12					
13					
14					
15		2.3			
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 18'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

LEGEND

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B23

CLIENT: _____
PROJECT: _____
LOCATION: _____

DATE STARTED/COMPLETED: 3/9/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE.

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11		250		
12				
13				
14				
15				
16				
17				

Notes: ppm=parts per million, nd=not detected

Drawn by: J. Carr

Field Description of Soil

(0-4')
BLIND PROBE

(4-8')
SAND AND GRAVEL, WET.

(8-12')
8-11: SAME
11': 2" LAYER OF RED-BROWN STAINING
11-12: BROWN SILTY CLAY, TRACE GRAVEL.

PETROLEUM ODORS AT 11'

BORE HOLE DATA

Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA

Riser Type: N/A
Riser Dia.: _____
Riser Length: _____
Interval: _____

Screen Type: _____
Screen Dia.: _____
Screen Length: _____
Slot: _____
Interval: _____

FILTER PACK

Source: _____
Composition: _____
Volume Used: _____
Interval: _____

GROUT / SEAL

Type: _____
Volume Used: _____
Interval: _____

WELL HEAD COMPLETION

Manhole: ☐ YES ☐ NO
Size: _____
Concrete Pad: ☐ YES ☐ NO
Size: _____

WELL DEVELOPMENT

Performed: ☐ YES ☐ NO
Method: _____
Amt. Purged: _____
Date: _____

LEGEND

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

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Latham, NY

WELL LOG

BORING NAME: B24

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/9/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4) BLIND PROBE
1					
2					
3					(4-8') SAND AND GRAVEL, WET
4					
5					
6					(8-12')
7					8-11: SAME
8					11-12: BROWN SILTY CLAY, TRACE GRAVEL
9					11': 2-4" FRACTURED ROCK
10					PETROLEUM ODORS AT 11'
11		165			
12					
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

LEGEND

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B25

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRYCLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/9/00
LOGGED BY: J. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4) BUNDPROBE
1					
2					
3					
4					(4-8) SANDY mf GRAVEL, WET
5					
6					
7					
8					(8-12) 8-11: SAME
9					
10					
11		1.7			11-12: SILTY CLAY, TRACE GRAVEL
12					
13					
14					
15					
16					
17					

Notes: ppm=parts per million, nd=not detected

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2¼"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:

Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

Drawn by: J. Carr

LEGEND

☐ Native material
☐ Sand Pack
☐ Bentonite
☐ Portland Cement Grout

trace=1–10%
little=10–20%
some=20–30%
and=30–50%

very fine sand=0.6–0.13mm
fine sand=0.13–0.25mm
medium sand=0.25–0.50mm
coarse sand=0.5–1mm
very coarse sand=1–2mm

▽ = ground water table
f-gravel=2–4mm
m-gravel=4–64mm
c-gravel=64–256mm

Tyree Organization, Limited
Latham, NY

WELL LOG

BORING NAME: B26

CLIENT: NYSDEC
PROJECT: VALLEY FALLS DRY CLEANERS
LOCATION: VALLEY FALLS, NY

DATE STARTED/COMPLETED: 3/9/00
LOGGED BY: T. MURRAY
DRILLER: ZEBRA
RIG: GEOPROBE

Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	Well Completion	Field Description of Soil
0					(0-4') BLIND PROBE
4					(4-8') COARSE SAND AND mf GRAVEL, WET AT 5'
8					(8-12) 8-11: SAME
11		10			11': 2-3" OF FRACTURED ROCK
12					11-12: SILTY CLAY, TRACE GRAVEL
17					

Notes: ppm=parts per million, nd=not detected

Drawn by: J. Carr

BORE HOLE DATA
Drilling Method: GEOPROBE
Hole Dia.: 2 1/4"
Depth: 12'

WELL DATA
Riser Type: N/A
Riser Dia.:
Riser Length:
Interval:
Screen Type:
Screen Dia.:
Screen Length:
Slot:
Interval:

FILTER PACK
Source:
Composition:
Volume Used:
Interval:

GROUT / SEAL
Type:
Volume Used:
Interval:

WELL HEAD COMPLETION
Manhole: ☐ YES ☐ NO
Size:
Concrete Pad: ☐ YES ☐ NO
Size:

WELL DEVELOPMENT
Performed: ☐ YES ☐ NO
Method:
Amt. Purged:
Date:

LEGEND

- ☐ Native material
- ☐ Sand Pack
- ☐ Bentonite
- ☐ Portland Cement Grout

trace=1-10%
little=10-20%
some=20-30%
and=30-50%

very fine sand=0.6-0.13mm
fine sand=0.13-0.25mm
medium sand=0.25-0.50mm
coarse sand=0.5-1mm
very coarse sand=1-2mm

▽ = ground water table
f-gravel=2-4mm
m-gravel=4-64mm
c-gravel=64-256mm

Department of Environmental Conservation

Division of Environmental Remediation

Record of Decision

Valley Falls Dry Cleaner Site
Valley Falls (V), Rensselaer County
Site Number 4-42-028

February 1998

New York State Department of Environmental Conservation
GEORGE E. PATAKI, *Governor* JOHN P. CAHILL, *Commissioner*

DECLARATION STATEMENT - RECORD OF DECISION

Valley Falls Dry Cleaner Inactive Hazardous Waste Site
Village of Valley Falls, Rensselaer County, New York
Site No. 4-42-028

Statement of Purpose and Basis

The Record of Decision (ROD) presents the selected remedial action for the Valley Falls Dry Cleaner inactive hazardous waste disposal site which was chosen in accordance with the New York State Environmental Conservation Law (ECL). The remedial program selected is not inconsistent with the National Oil and Hazardous Substances Pollution Contingency Plan of March 8, 1990 (40CFR300).

This decision is based upon the Administrative Record of the New York State Department of Environmental Conservation (NYSDEC) for the Valley Falls Dry Cleaner Inactive Hazardous Waste Site and upon public input to the Proposed Remedial Action Plan (PRAP) presented by the NYSDEC. A bibliography of the documents composing the Administrative Record is included in Appendix B of the ROD.

Assessment of the Site

Actual or threatened release of hazardous waste constituents from this site, if not addressed by implementing the response action selected in this ROD, presents a current or potential threat to public health and the environment.

Description of Selected Remedy

Based upon the results of the Remedial Investigation/Feasibility Study (RI/FS) for the Valley Falls Dry Cleaner and the criteria identified for evaluation of alternatives the NYSDEC has selected on-site soil/(source) cleanup and contaminated well replacement or treatment.

The components of the remedy are as follows:

Contaminated Private Wells:

Replace individual contaminated drinking water wells with bedrock wells or provide GAC/UV systems on the affected wells. (Individuals will be given an option between well replacement or GAC maintenance)

Source Removal:

Remediate on-site soil (source) using excavation and off-site disposal of approximately 75 cubic yards of contaminated soil.

Decommission abandoned fuel tank, septic tank, associated pipes and dry well.

Groundwater Remediation:

Groundwater will be recovered from the excavation pit and treated prior to disposal.

The monitoring wells and the affected private water supply wells will be monitored semi-annually for a period of five years. At the end of the 5 year monitoring period, the site will be evaluated to determine the effectiveness of the remedial actions.

The selected remedy will also include a remedial design program to verify the components of the conceptual design and provide the details necessary for the construction, operation and maintenance, and monitoring of the remedial program. Any uncertainties identified during the RI/FS will be resolved.

New York State Department of Health Acceptance

The New York State Department of Health concurs with the remedy selected for this site as being protective of human health.

Declaration

The selected remedy is protective of human health and the environment, complies with State and Federal requirements that are legally applicable or relevant and appropriate to the remedial action to the extent practicable, and is cost effective. This remedy utilizes permanent solutions and alternative treatment or resource recovery technologies, to the maximum extent practicable, and satisfies the preference for remedies that reduce toxicity, mobility, or volume as a principal element.

2/20/98
Date

Michael J. O'Toole, Jr., Director
Division of Environmental Remediation

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Construction Services, Room 267
50 Wolf Road, Albany, New York 12233-7010
Phone: (518) 457-9280 • **FAX:** (518) 457-7743
Website: www.dec.state.ny.us

John P. Cahill
Commissioner

MEMORANDUM

TO: Dennis Farrar, Bureau of Hazardous Site Control

FROM: James Van Hoesen, Chief, Central Field Services Section
THRU: H. Richard Koelling, Director, Bureau of Construction Services

SUBJECT: Valley Falls Dry Cleaner Site, Site # 4-42-028, Rensselaer County

DATE:

A Remedial Action (RA) consistent with the February 1998 ROD and implemented at the Valley Falls Dry Cleaner Site by the NYSDEC was completed in March 7, 2000. This RA has been completed in substantial accordance with the approved plans and specifications, therefore, we recommend the site to be reclassified from a Class 2 to a Class 4.

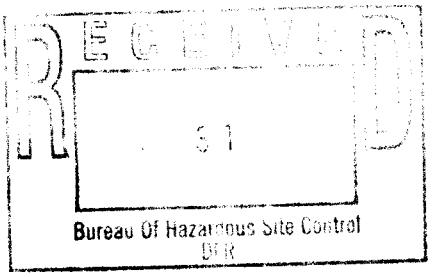
This recommendation is based on the fact that the ROD cleanup goals were met across the excavated area and were verified by the post-excavation confirmatory sampling.

Supporting documentation, the Post Remediation Report prepared by the Bureau of Construction Services, and a copy of the February 1998 ROD is attached. The Post Remediation Report includes the Engineer's Certifications.

If you have any questions, please call Lech Dolata at 7-9285.

Attachment

cc: E. Hamilton - NYSDEC, Region 4
D. Smith - BCRA
G. Litwin - NYSDOH



A Sylvester

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control, 11th Floor
625 Broadway, Albany, New York 12233-7014
Phone: (518) 402-9551 • **FAX:** (518) 402-9020
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

JUN 17 2002

This letter was sent to the people on the attached list.

Dear :

The New York State Department of Environmental Conservation (Department) maintains a Registry of sites where hazardous waste disposal has occurred. Property located at 11 Lyons Street in the Town of Schaghticoke, the Village of Valley Falls within Rensselaer County, and designated as Tax Map Number 22.22-4-12 was recently reclassified as a Class 4 in the Registry. The name and site I.D. number of this property as listed in the Registry is Valley Falls Dry Cleaner, Site #442028.

The Classification Code 4 indicates that the site is properly closed -- requires continued management.

We are sending this letter to you and others who own property near the site listed above, as well as the county and town clerks. We are notifying you about these activities at this site because we believe it is important to keep you informed.

If you currently are renting or leasing your property to someone else, please share this information with them. If you no longer own the property to which this letter was sent, please provide this information to the new owner and provide this office with the name and address of the new owner so that we can correct our records.

The reason for this recent classification decision is as follows:

- The selected remedy for the site included replacement of three residential drinking water wells, excavation and removal for off-site disposal of all tetrachloroethylene (PCE) contaminated soil, three underground storage tanks, a septic tank, a dry well and restoration of the site. The remedial construction was completed on March 7, 2000 in accordance with February 1998 Record of Decision (ROD) and the approved remedial design. Carbon filtration of residential drinking water wells continues at nearby residences affected by PCE above the drinking water standard. The New York State Department of Health continues to monitor these and other residential drinking water wells in the area of this site.

If you have questions, need additional information, or have information which you believe would be useful to us, please call the Department of Environmental Conservation's toll-free number: **1(800)342-9296**. The Department of Health maintains a Health Liaison Program (HeLP) toll-free number: **1(800)458-1158 Ext. 2-7530.**

Sincerely,

Dennis J. Farrar
Chief
Site Control Section

bcc: M. O'Toole
D. Weigel
D. Farrar
J. Swartwout
E. Hamilton, R/4
W. Clarke, R/4
R. Georgeson, R/4
A. Sylvester
G. Litwin
L. Ennist

AS/srh

A. Sylvester

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control, 11th Floor
625 Broadway, Albany, New York 12233-7014
Phone: (518) 402-9551 • **FAX:** (518) 402-9020
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

MAY 30 2002

Theodore and Lois Chmielewski
P.O. Box 22
Valley Falls, NY 12185

Dear Mr. and Mrs. Chmielewski:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), the New York State Department of Environmental Conservation (Department) must maintain a Registry of all inactive disposal sites suspected or known to contain hazardous waste. The ECL also mandates that this Department notify the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites as to changes in site classification.

Our records indicate that you are the owner or part owner of the site listed below. Therefore, this letter constitutes notification of change in the classification of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

DEC Site No.: 442028
Site Name: Valley Falls Dry Cleaner
Site Address: 11 Lyon Street, Valley Falls, NY 12185

Classification change from 2 to 4

The reason for the change is as follows:

- The selected remedy for the site included replacement of three residential drinking water wells, excavation and removal for off-site disposal of all tetrachloroethylene (PCE) contaminated soil, three underground storage tanks, a septic tank, a dry well and restoration of the site. The remedial construction was completed on March 7, 2000 in accordance with February 1998 Record of Decision (ROD) and the approved remedial design. Carbon filtration of residential drinking water wells continues at nearby residences affected by PCE above the drinking water standard. The New York State Department of Health continues to monitor these and other residential drinking water wells in the area of this site.

Enclosed is a copy of the New York State Department of Environmental Conservation, Division of Environmental Remediation, Inactive Hazardous Waste Disposal Site Report form as it appears in the Registry and Annual Report, and an explanation of the site classifications. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of the New York State Department of Environmental Conservation for deletion of such site, modification of site classification, or modification of any information regarding such site, by submitting a written statement setting forth the grounds of the petition. Such petition may be addressed to:

Erin M. Crotty
Commissioner
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-1010

For additional information, please contact me at (518) 402-9553.

Sincerely,

Dennis J. Farrar
Chief
Site Control Section

Enclosures

bcc: M. O'Toole
D. Weigel
R. Marino
D. Farrar
T. Reamon
A. Sylvester

w/Enc. (Copy of Site Report form only)
A. Grant
G. Litwin, DOH
C. Vasudevan
R. Leslie, R/4
W. Clarke, R/4
E. Hamilton, R/4
D. Smith

AS/srh

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

Site Name: **Valley Falls Dry Cleaner** **Site Code:** **442028**
Class Code: **4** Region: **4** County: **Rensselaer** EPA Id: **NYD000260212**
Address: **11 Lyon Street / Valley Falls, NY 12185**
Latitude: **42° 53' 53"** Longitude: **73° 33' 41"**
Site Type: Estimated Size: **0.1-1 Acres**

Site Owner / Operator Information:
Current Owner(s) Name: **Theodore and Lois Chmielewski**
Current Owner(s) Address: **PO Box 22 / Valley Falls, NY 12185**
Owner(s) during disposal: **Winchell Johnson**
Operator(s) during disposal: **Winchell Johnson**
Stated Operator(s) Address: **11 Lyon Street / Valley Falls, NY 12185**
Hazardous Waste Disposal Period: **From: 1940s To: 1970s**

Site Description:
The Valley Falls Dry Cleaners was a small dry cleaning business where waste solvents, primarily tetrachloroethylene (PCE), were disposed an on-site septic system over the years. The septic system was located behind the building. Over time, PCE leached into the groundwater causing contamination. The dry cleaning business closed sometime in the 1970s. Sometime after closure the building collapsed. Most of the collapsed building was demolished and removed from the property. Except for the foundation, only a small part of the original building remained, and it was connected to an existing garage on the property. Bedrock is exposed near the surface south of the site and at a depth of 23 feet. It is believed that the erosional bedrock surface slopes to the north allowing the overburden sand and gravel aquifer to reach a thickness that is greater than 70 feet near the Hoosic River. The Hoosic River is located about 1/4 mile north of the site. The USEPA carrie out an emergency response in 1992 which involved the installation of carbon filter systems on the private drinking water wells of several nearby residences. These wells were contaminated with PCE at levels as high as 190 ppb, significantly higher than the Part 703 groundwat standard of 5 ppb. Maintenance of the carbon filter systems is handled by the NYSDEC. These carbon filter systems are effectively reducin PCE exposure levels in the drinking water. A Remedial Investigation/Feasibility Study (RI/FS) was completed in February of 1998. A Remedial Design (RD) was completed, and remedial construction activities began in the fall of 1999. The remedial work consisted of excavation and off-site disposal of contaminated soil, the dry well, the abandoned septic system and an underground storage tank. New drinking water wells were drilled to replace some of the more severely contaminated existing wells. These remedial activities were complete in the spring of 2000.

Confirmed Hazardous Waste Disposal:
Tetrachloroethylene (PCE) (F001 or F002)

Quantity:
unknown

Analytical Data Available for: **Groundwater**
Applicable Standards Exceeded in: **Groundwater** **Drinking Water**
Geotechnical Information:
Soil/Rock Type: **Fill and sand mixed with coarse material over till.**
Depth to Groundwater: **Range: 10 to 15 feet.**

Legal Action: Type: Status:
Remedial Action: **In Progress Complete** Nature of action: **OM&M.**

Assessment of Environmental Problems:
Groundwater has been contaminated with tetrachloroethylene and several nearby residential drinking water supply wells were impacted. Ne drinking water wells were drilled to replace some of the more seriously contaminated wells.

Assessment of Health Problems:
The New York State Department of Health (NYSDOH) has sampled over 110 private wells near the site to evaluate possible drinking water contamination. To date, seven private water supplies have shown contamination by tetrachloroethene at levels above the drinking water standard. New wells were installed for two of these residences in 2000. Water from these seven residential wells is treated by carbon filters installed by the NYSDEC. These treatment systems are monitored and maintained by the NYSDEC. Semiannual sampling continues to demonstrate that the treatment systems are satisfactorily removing contaminants from the drinking water. Tetrachloroethene has been detected in fifteen other private wells at concentrations below the drinking water standard. The NYSDOH has periodically resampled these private wells to evaluate levels of tetrachloroethene.