ANSON ENVIRONMENTAL LTD.

771 New York Avenue
Huntington, New York 11743
516-351-3555
Fax: 516-351-3615

Environmental Investigation of Class V Well
Westbury Valet Cleaners
123 Post Avenue
Westbury, New York

November 24, 1999

"Your Environmental Partner"

ANSON ENVIRONMENTAL LTD.

771 New York Avenue
Huntington, New York 11743
516-351-3555
Fax: 516-351-3615

Environmental Investigation of Class V Well
Westbury Valet Cleaners
123 Post Avenue
Westbury, New York

November 24, 1999

ANSON ENVIRONMENTAL LTD.

771 New York Avenue
Huntington, New York 11743
516-351-3555
Fax: 516-351-3615

Environmental Investigation of Class V Well
Westbury Valet Cleaners
123 Post Avenue
Westbury, New York

November 24, 1999

1.0 EXECUTIVE SUMMARY

Nassau County Department of Health identified two floor drains at Westbury Valet Cleaners and required the sediment to be sampled. Because the sediment in the drains was contaminated, some of it was removed using a vactor truck. However, not all the contamination could be removed from floor drain #2. Therefore, on March 31st, soil samples were collected from 10-11 feet, 20-22 feet, 30-32 feet and 36-40 feet below grade in vicinity of floor drain #2. The four samples were analyzed via EPA method 8260. The concentration of tetrachloroethene (PCE) declined with increases in depth.

On March 17, 1999, three groundwater monitoring wells were installed: one up gradient (MW#1) and one down gradient of each of the floor drains. MW#2 was located down gradient of floor drain #1 and MW#3 was located down gradient of floor drain #2. On March 31, groundwater samples were collected from each of the monitoring wells and submitted for laboratory analysis via EPA method 601. The down gradient water samples had higher concentrations of PCE.

The next step in the remediation of the site is the installation of a soil vapor extraction system to cleanup the soils in the vicinity of floor drain #2. The installation of the system will begin with the calculation of the radius of installation of influence of a 2 horsepower blower connected to an extraction well to be located outside the building in the vicinity of floor drain #2.

2.0 FIELD INVESTIGATIONS

2.1 OFF SITE GROUNDWATER SAMPLING

Apex Environmental, Inc. of Reading, Pennsylvania performed groundwater investigation south of the Long Island Rail Road tracks at 117 Post Avenue, Westbury in October 1997 (Appendix 1) that showed elevated concentrations of PCE in the groundwater down gradient of Westbury Valet Cleaners. The direction of groundwater flow was toward the southwest.

2.2 ON SITE SOIL SAMPLING

One soil boring was installed through the former location of Floor Drain #2. Using a Geoprobe, soil samples were collected at four depths 10-11 feet, 20-22 feet, 30-32 feet and 36-40 feet below grade. The soil sample collected at the 36-40 feet below grade level was collected in groundwater. Each sample was submitted to EcoTest Laboratories for analysis via EPA method 8260. Table 1 summarizes the volatile organic compounds detected above the laboratory detection limit. Actual laboratory data sheets are in Appendix 2.

The soils at each depth were described as:

10-11 feet	yellow coarse sand
20-22 feet	yellowish brown coarse sand
30-32 feet	yellowish coarse sand

Table 1 Volatile organic compounds in soil samples from floor drain #2.

Compounds	10-11 feet	20-22 feet	30-32 feet	36-40 feet	Standard*
tetrachloroethene	270,000 ppb	53 ppb	17 ppb	62 ppb	1,400 ppb
1,4-dichlorobenzene	<1,000 ppb	2 ppb	<1 ppb	<1 ppb	
1,2,4-trichlorobenzene	<1,000 ppb	52 ppb	<1 ppb	<1 ppb	
naphthlene	<1,000 ppb	1 ppb	<1 ppb	<1 ppb	
hexachlorobutadiene	<1,000 ppb	3 ppb	<1 ppb	<1 ppb	
PID headspace reading	1,192 ppm	1,928 ppm	231 ppm	no reading	

Field headspace readings were collected from the soils using a Photoionization Detector (PID) that was calibrated using isobutylene gas. The lack of correlation between laboratory data and PID readings could be due to moisture in the soil. Also, the laboratory data are measured by weight and the PID readings are measured by volume.

2.3 ON SITE GROUNDWATER INVESTIGATION

On March 17, 1999, three two-inch diameter groundwater monitoring wells were installed by Miller Environmental Group of Calverton, New York. Each well was installed to a depth of 45 feet below grade using hollow stem augers. Each well was constructed of ten feet of 20 slot screen and the annular space around the screened interval was gravel packed using clean #OO morie sand. MW#1 was installed up gradient of the site while MW#2 and MW#3 were installed down gradient of floor drains #1 and #2, respectively. The drill cuttings from the well installation were placed in 55-gallon steel DOT drums.

The three wells were installed such that the bottom of the wells were 40.45 feet below grade for MW#1, 43.46 feet for MW#2 and 43.95 feet for MW#3.

One week following well installation, the three wells were developed by removing 40 gallons (MW#1), 50 gallons (MW#2) and 45 gallons (MW#3). The development water

was placed in clean 55-gallon drums where the water was stored. The water from each drum was filtered using a Carbtrol L-1 Water Purification Canister containing 200 pounds of virgin carbon. The development water was filtered using the Carbtrol filter and was analyzed via EPA method 601. The filtered water contained 1 part per billion of PCE (Appendix 1) and Nassau County Department of Public Works authorized the discharge of the filtered water into the sewers (Appendix 3).

The well construction logs are in Appendix 4.

Depth to water measurements were taken prior to development and then again prior to groundwater sampling on March 31, 1999. These samples were placed on ice and delivered to EcoTest Laboratories of North Babylon, New York. The groundwater samples were analyzed via EPA method 601. Table 2 summarizes the volatile organic compounds detected above the laboratory detection limit. Actual laboratory data sheets are in Appendix 2.

Table 2 Halogenated volatile organic compounds in groundwater.

Compound	MW#1	MW#2	MW#3	Groundwater Standard
1,2-dichloroethene	2 ug/L	13 ug/L	98 ug/L	5 ug/L
trichloroethylene	3 ug/L	<1 ug/L	11 ug/L	5 ug/L
tetrachloroethene	95 ug/L	690 ug/L	20,000 ug/L	5 ug/L
Depth to Water on March 31, 1999	31.18 feet	33.93 feet	33.76 feet	

Based on site-specific conditions, the groundwater flow was calculated to be in a southerly direction.

3.0 INTERPRETATION OF LABORATORY DATA

Soil Sampling – The vertical extent of PCE contamination in floor drain #2 was determined to be approximately 20 feet below grade. The soil headspace field readings and laboratory data were used to make this determination which is based on the New York State TAGM allowable limit of 1,400 parts per billion in soil.

Groundwater – All three of the groundwater samples collected exceed the Class GA groundwater standard for PCE. The down gradient water samples have higher concentrations of PCE than the up gradient. However, there may be an up gradient source of groundwater contamination.

4.0 REMEDIAL ACTIVITIES

4.1 Soils

The contaminated soils around floor drain #1 have been excavated and the remaining soils are clean as was confirmed by laboratory analysis of the endpoint sample. In the area of floor drain #2, soil has been excavated from the floor to approximately six feet deep. Additional soils cannot be excavated because of soil conditions under the building and the proximity of heavy machinery and the outside wall. Further excavation would threaten the structure and heavy machinery being supported by the floor.

Floor drain #2 has been taken out of service by backfilling it with clean soil and repairing the flooring with concrete.

Further Investigation – In accordance with the comments received from the EPA by certified letter dated September 22, 1999, the following investigative activities will be performed.

1. The former on site sanitary system will be investigated by interviewing the building owner to determine where the system is located. Also, the town building and county public works departments records will be reviewed pursuant to the Freedom of Information Law (FOIL) for the location of the site's former septic tank and cesspools.

2. Once each of the sanitary pools has been located, soil/sediment samples will be collected at the midpoint of the pool's deepest terminus. All such samples will be analyzed via EPA method 8260. The analytical data will be reported to the EPA.

3. No additional on site subsurface leaching structures such as visible drywells, drains and storm drains were identified on site. If FOIL searches identify these structures as being present at the time of construction of the building, they will be sampled and the sediment/soil analyzed via EPA method 8260. The analytical data will be reported to the EPA.

4. The horizontal extent of soil contamination proximate to Floor Drain #2 will be further delineated by installing borings through the concrete floor of the building. The sampling locations are identified on Figure 3. Samples will be collected at 13-15 feet and 20-22 feet below the floor using a Geoprobe, which will be decontaminated between sampling locations. Samples will be screened in the field using a PID. The sampling locations will located approximately five and ten feet from floor drain #2. One set will be north of the drain and the other to the east of the drain.

Soil Vapor Extraction System - To remediate the soils in the vicinity of floor drain #2, AEL proposes a soil vapor extraction system (SVES) that would be screened in the top twenty feet of soil below the floor in the building. The radius of influence is typically 15 feet in sandy soil similar to those that are present on site. To calculate this radius of influence, an on-site pilot test will be conducted.

A pilot test will be conducted for the soil vapor extraction system. The test will be conducted using a 2-horsepower electric regenerative blower connected to a new extraction well that will be installed in the vicinity of MW#2. This extraction well will be installed on the exterior of the building in the vicinity of MW#2 and will be screened between 5 feet and 20 feet below grade. Piezometers will be also be installed 10, 15, 20 and 30 feet to the east of the extraction well. The piezometers will be screened at the same depth as the extraction well and vacuum readings will be recorded using a digital manometer. Vacuum readings equal to or greater than .10 inches of water will be considered to represent an area within the radius of influence of the extraction well.

Once the radius of influence has been calculated, it will be compared to the distance that floor drain #2 is from the extraction well and the horizontal extent of soil contamination. If the extent of contamination exceeds the radius of influence of the soil vapor extraction system, then additional extraction wells will be installed to address the soil contamination.

4.2 Groundwater

The groundwater conditions on-site have not been adequately described to design a groundwater remediation system. The vertical extent of contamination has not been investigated and needs to be prior to remediation system design. The vertical extent of contamination needs to be investigated by installing deeper wells. These wells will be used to sample the water at deeper depths and determine the direction of groundwater flow direction.

One such well will be installed near the southeast corner of the property to further delineate the horizontal extent of the contaminated groundwater on site.

5.0 SCHEDULE

The soil sampling in the vicinity of the sanitary pools, in the drywells and the pilot test of the soil vapor extraction system will be conducted within the next thirty days. Laboratory analysis will take approximately three weeks to complete. When those data are available, a report of findings will be prepared.

Once that test has been completed, the system will be permanently installed to begin remediation of the soil contamination. The Nassau County Department of Health and USEPA will be notified ten working days in advance of the performance of any field investigations. The tentative location of this system is shown on Figure 3.

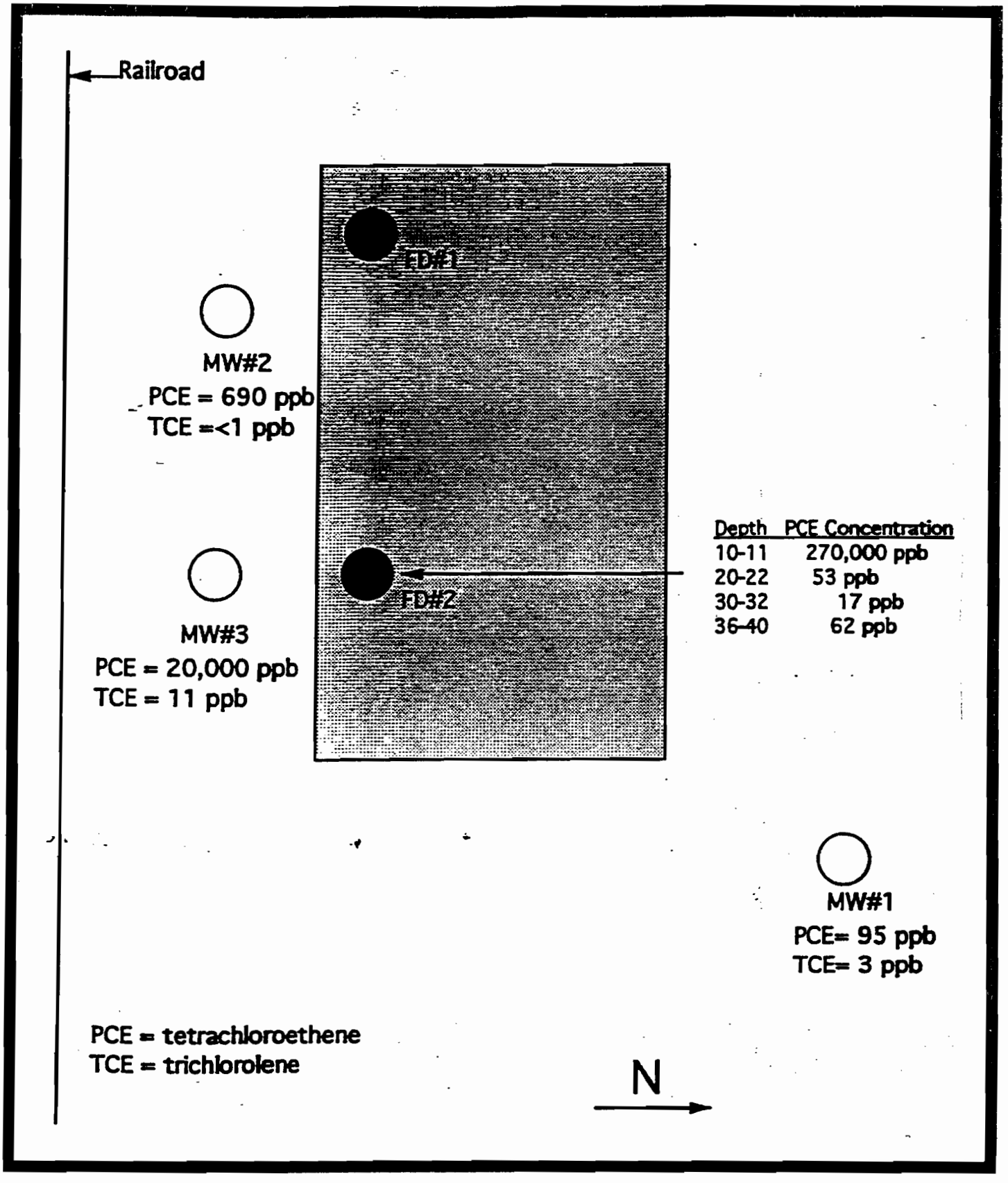


Figure 1 Site Location Map
Westbury Cleaners
123 Post Avenue
Westbury, NY not to scale

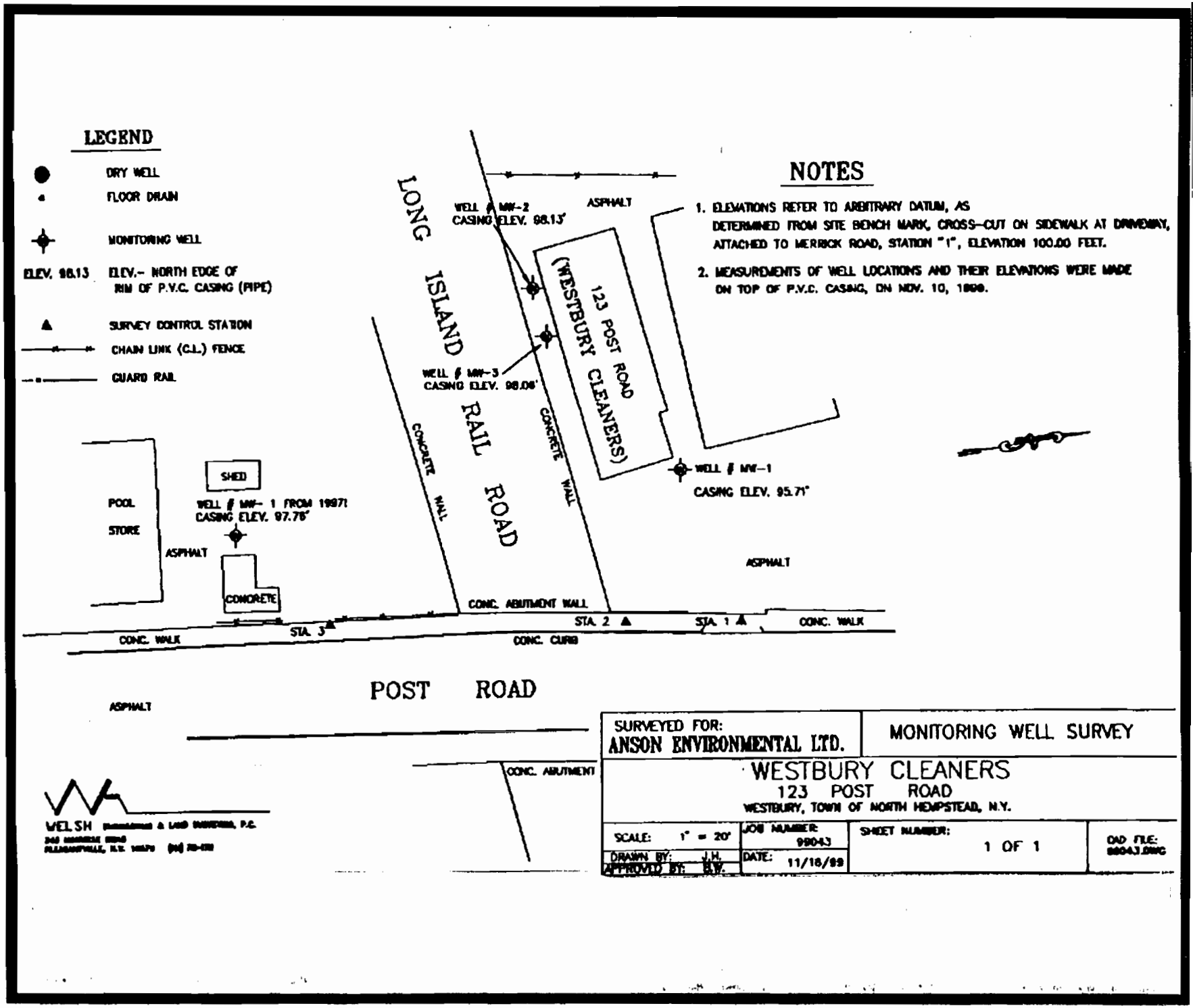


Figure 2 Site Survey
Westbury Cleaners
123 Post Avenue
Westbury, NY not to scale

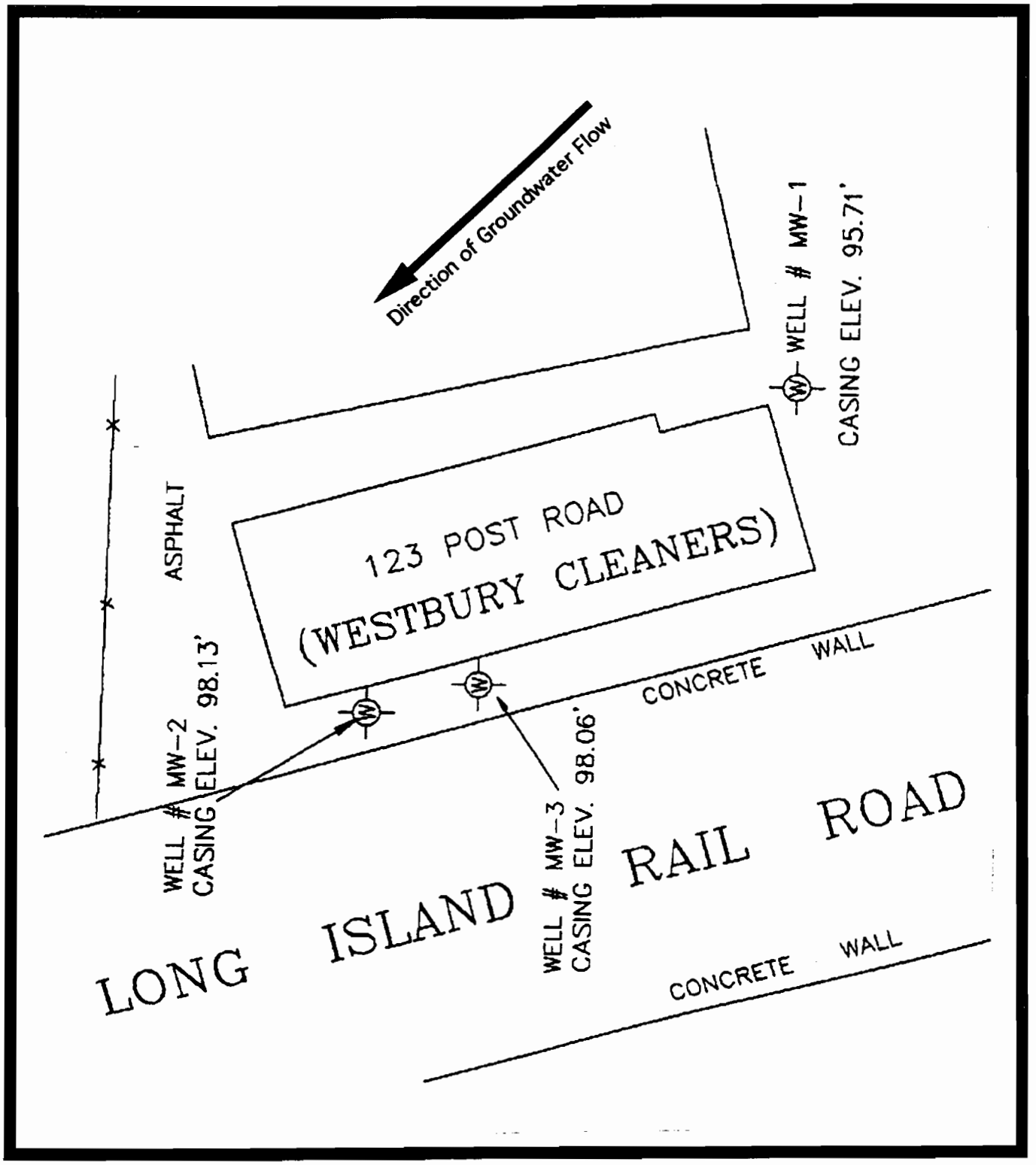


Figure 3 Direction of Groundwater Flow
Westbury Cleaners
123 Post Avenue
Westbury, NY not to scale

Appendix 1

Apex Environmental
October 1997 Environmental Study

Environmental Investigation of
Class V Injection Well
Westbury Valet Cleaners
123 Post Avenue
Westbury, NY

Apex environmental, inc.

220 North Park Road
Reading, PA 19610
Telephone (610) 371-8400
Facsimile (610) 371-9009

GROUND WATER INVESTIGATION

117 Post Avenue
Village of Westbury, Nassau County, New York

SUBMITTED TO:

Mr. Alfred H. Hicks
H.W. 117 Post Corporation
P.O. Box 648
Westbury, New York 11590

PREPARED BY:

Mark E. Zunich
Geologist

REVIEWED BY:

James F. Mattern, C.E.I., P.G.
Senior Environmental Geologist
Regional Manager

Job 9952.001
October 1997

1.0 Introduction

Apex Environmental, Inc. has completed a ground water investigation at 117 Post Avenue in the Village of Westbury, Nassau County, New York (Figure 1). The investigation included the installation, sampling, and surveying of seven monitoring wells to determine the environmental quality and flow direction of the local ground water. Three monitoring wells were installed and sampled during the initial phase of the investigation, conducted during a Phase I Environmental Site Assessment. Based on a review of the ground water analyses of the three wells a second phase of the investigation was conducted, which included the installation and sampling of an additional four wells to further define the environmental quality of the local ground water.

2.0 Ground Water Investigation

2.1 Monitoring Well Installation Procedures

On July 31, 1997 Apex personnel supervised the installation and development of three, four-inch diameter PVC ground water monitoring wells, identified as MW-1, MW-2, and MW-3. The monitoring wells were installed as part of a Phase I Environmental Site Assessment to identify any possible ground water contamination, and determine the local ground water gradient. On September 22 and 23, 1997 Apex personnel returned to the site to supervise the installation of four additional four-inch diameter PVC ground water monitoring wells, identified as MW-4, MW-5, MW-6, and MW-7, based on the contaminant exceedences discovered in MW-1, MW-2, and MW-3, All drilling activities and well development procedures were conducted by Tri-State Drilling Technologies, Inc., Garden City, New York. Ground water monitoring well logs are provided in Appendix A.

The seven monitoring wells were strategically located to intercept and identify any ground water contamination associated with the subject site or entering the subject property from off-site (Figure 2). During monitoring well installation procedures the drill cuttings were screened using visual and olfactory senses and a photoionization detector (PID). No evidence of contamination was observed. All ground water monitoring well installation equipment was decontaminated between each well installation utilizing a high pressure washer/steam cleaner utilizing Liquinox.

2.2 Ground Water Sampling Procedures

On August 8, 1997, Apex personnel purged and sampled monitoring wells MW-1, MW-2, and MW-3. On October 1, 1997, Apex personnel returned to the site and purged and sampled all seven ground water monitoring wells. Utilizing a portable electric powered submersible pump

outfitted with 1" polyethylene well tubing, each monitoring well was purged a minimum of three well volumes, and purge water was monitored for pH, conductivity, and temperature. Purging continued until these geochemical parameters stabilized. The purge water was discharged to the surface. The centrifugal pump was decontaminated between each well with a Liquinox wash and tap water rinse. New polyethylene tubing was utilized for each well.

Clean, disposable, dedicated bailers were used for the collection of ground water samples. Upon collection, each water sample was placed in a laboratory supplied glass sample jar, sealed with electrical tape, labeled with information regarding project site, monitoring well identification, and sample date, and stored in an iced cooler, pending shipment to GLA Laboratories located in King of Prussia, Pennsylvania, a New York State Department of Health-certified laboratory.

Ground water samples collected on August 8, 1997 were submitted for volatile organics by gas chromatograph/mass spectrometer using EPA Method SW-846 8260 and polynuclear aromatic hydrocarbons by high performance liquid chromatograph and florescents using EPA Method SW-846 8310 analysis. Monitoring wells MW-1 and MW-2 were also analyzed for organochlorine pesticides using EPA Method SW-846 8081 and chlorinated herbicides using EPA Method SW-846 8150 analyses. Ground water samples collected on October 1, 1997 were submitted for volatile organic compounds using EPA Method SW-846 5030/8021.

2.3 Laboratory Analytical Results

Laboratory analytical reports for the August 8, 1997 sampling event indicated the presence of tetrachloroethene (PCE) at levels exceeding the USEPA and New York State Department of Environmental Conservation (NYSDEC) drinking water regulations and health advisories maximum contaminant limit (MCL) of 5.0 micrograms per liter (µg/L). Laboratory analysis also reported the presence of benzo(a)anthracene and benzo(a)pyrene in MW-3 at concentrations of 0.011 µg/L and 0.019 µg/L, respectively. The reported concentrations of benzo(a)anthracene and benzo(a)pyrene do not exceed the USEPA regulatory limit (benzo(a)pyrene MCL of 0.2 µg/L) or USEPA guidance value (currently no MCL or health advisory limit for benzo(a)anthracene); however, these concentrations exceed NYSDEC's MCLs. In addition, laboratory analysis reported cis 1,2-dichloroethene in MW-2; however, the reported concentration was below the USEPA and NYSDEC MCLs. Organochlorine pesticides and chlorinated herbicides were not detected in any of the monitoring wells.

Laboratory analysis of the ground water samples collected on October 1, 1997 reported all seven monitoring wells contain PCE at levels exceeding the USEPA and NYSDEC MCLs of 5.0 µg/L. Laboratory analysis also reported the presence of isopropylbenzene in MW-2 and MW-3 at concentrations of 0.94 µg/L and 0.89 µg/L, respectively. Both concentrations are below the NYSDEC MCL of 5 µg/L for isopropylbenzene. Currently, no USEPA MCL exists for isopropylbenzene. Trichloroethene (TCE) was also reported in MW-2, MW-3, MW-5, MW-6, and MW-7; only MW-5 contained a TCE concentration above the USEPA and NYSDEC MCL of 5 µg/l (33µg/L). All other TCE concentrations are within the USEPA and NYSDEC limits. Laboratory analytical results are summarized in Table 1. Laboratory analytical data sheets are provided in Appendix B.

TABLE 1
Ground Water Laboratory Analytical Results
117 Post Avenue, Village of Westbury,
Town of North Hempstead, Nassau County, New York

Monitoring Well	Sample Date	Organochlorine Pesticides	Chlorinated Herbicides	Polynuclear Aromatic Hydrocarbons	Volatile Organics
Units	na	µg/L	µg/L	µg/L	µg/L
NYSDEC MCL	na	na	na	Benzo(a)anthracene = 0.002 Benzo(a)pyrene = 0.002	cis 1,2-Dichloroethene = 70 Isopropylbenzene = 5 Trichloroethene = 5 Tetrachloroethene = 5
USEPA MCL	na	na	na	Benzo(a)anthracene = no limit established Benzo(a)pyrene = 0.2	cis 1,2-Dichloroethene = 70 Trichloroethene = 5 Tetrachloroethene = 5 Isopropylbenzene = no limit established
MW-1	August 8, 1997	Non-Detect	Non-Detect	Non-Detect	**Tetrachloroethene = 12**
	October 1, 1997	Not Analyzed	Not Analyzed	Not Analyzed	**Tetrachloroethene = 15**
MW-2	August 8, 1997	Non-Detect	Non-Detect	Non-Detect	cis 1,2-Dichloroethene = 3.4 **Tetrachloroethene = 110**
	October 1, 1997	Not Analyzed	Not Analyzed	Not Analyzed	Isopropylbenzene = 0.94 **Tetrachloroethene = 1,400** Trichloroethene = 1.7
MW-3	August 8, 1997	Not Analyzed	Not Analyzed	**Benzo(a)anthracene = 0.011** **Benzo(a)pyrene = 0.019**	**Tetrachloroethene = 130**
	October 1, 1997	Not Analyzed	Not Analyzed	Not Analyzed	Isopropylbenzene = 0.89 **Tetrachloroethene = 150** Trichloroethene = 2.2
MW-4	October 1, 1997	Not Analyzed	Not Analyzed	Not Analyzed	**Tetrachloroethene = 9.6**
MW-5	October 1, 1997	Not Analyzed	Not Analyzed	Not Analyzed	**Tetrachloroethene = 15,000** **Trichloroethene = 33**
MW-6	October 1, 1997	Not Analyzed	Not Analyzed	Not Analyzed	**Tetrachloroethene = 120** Trichloroethene = 1.4
MW-7	October 1, 1997	Not Analyzed	Not Analyzed	Not Analyzed	**Tetrachloroethene = 27** Trichloroethene = 0.52

na = Not applicable.
BOLD = Exceeds the most restrictive regulatory limit.

4.0 Ground Water Gradient

Upon completion of the monitoring well installations, Apex personnel surveyed the ground water monitoring wells on the subject property and obtained the relative elevations for the top of casing for each well. Utilizing this information and the depth-to-water readings obtained during the October 1, 1997 sampling event, Apex determined that ground water flows in a southwesterly direction beneath the subject property at a gradient of approximately 0.002 feet per foot (ft/ft). The local ground water gradient is shown in Figure 3. All ground water gradient data is summarized in Table 2.

TABLE 2
Relative Ground Water Elevation Data - October 1, 1997
117 Post Avenue, Village of Westbury,
Town of North Hempstead, Nassau County, New York

Ground Water Monitoring Well	Sample Date	Top-of-Casing Relative Elevation	Depth-to-Water	Relative Ground Water Elevation
MW-1	October 1, 1997	95.29	29.67	65.62
MW-2	October 1, 1997	95.77	30.13	65.64
MW-3	October 1, 1997	96.14	30.73	65.41
MW-4	October 1, 1997	95.80	30.08	65.72
MW-5	October 1, 1997	97.04	31.57	65.47
MW-6	October 1, 1997	97.35	32.16	65.19
MW-7	October 1, 1997	95.79	30.27	65.52

5.0 Conclusions

Laboratory analytical results indicate the local ground water beneath the subject property contains levels of PCE and TCE above the USEPA and NYSDEC regulatory standards. A ground water contaminant concentration map (Figure 3) indicates that a PCE contaminant plume is entering the subject property form the north, in the vicinity of MW-5 and MW-2, and follows the local gradient in a southwesterly direction across the site, impacting MW-3, MW-6, and MW-7. Dispersion of the contaminants is also impacting MW-1 and MW-4.

A site history investigation conducted during a Phase I Environmental Site Assessment indicated the subject property was utilized as a coal yard from prior to 1920 through 1983. Currently, the subject property contains a swimming pool supply company, a building material and landscaping business, a construction company, and a second landscaping business. None of the former or present businesses are known to have utilized materials containing the discovered contaminants. However, the Phase I also indicated the presence of a dry cleaning business (Westbury Valet Dry Cleaners) currently located directly north and upgradient of the subject property. Apex personnel reviewed the Triennial Certificate of Operation issued to the Westbury Valet Dry Cleaners, which indicates the facility is permitted to store 100-gallons of PCE. A dry cleaning establishment has reportedly been at this location since the 1950's. Based on the local ground water gradient, and the shape of the PCE plume (Figure 4), Apex concludes the most likely source of the PCE ground water contamination under the subject site is the Westbury Valet Dry Cleaners facility located immediately north of the subject site at 123 Post Avenue.

The benzo(a)anthracene and benzo(a)pyrene detected in the ground water are likely present from the former use of the property as a coal yard. Even though both contaminant concentrations exceed the regulatory limits, Apex believes similar contaminants can be found in many parts of Long Island and the New York City area and is a result of the typical ash backfill previously utilized.

6.0 Recommendations

Apex Environmental, Inc. recommends that the NYSDEC be notified of the exceedences detected during the ground water investigation. All data acquired during the investigation indicates the source of contamination is emanating from an upgradient source, the Westbury Valet Dry Cleaners.

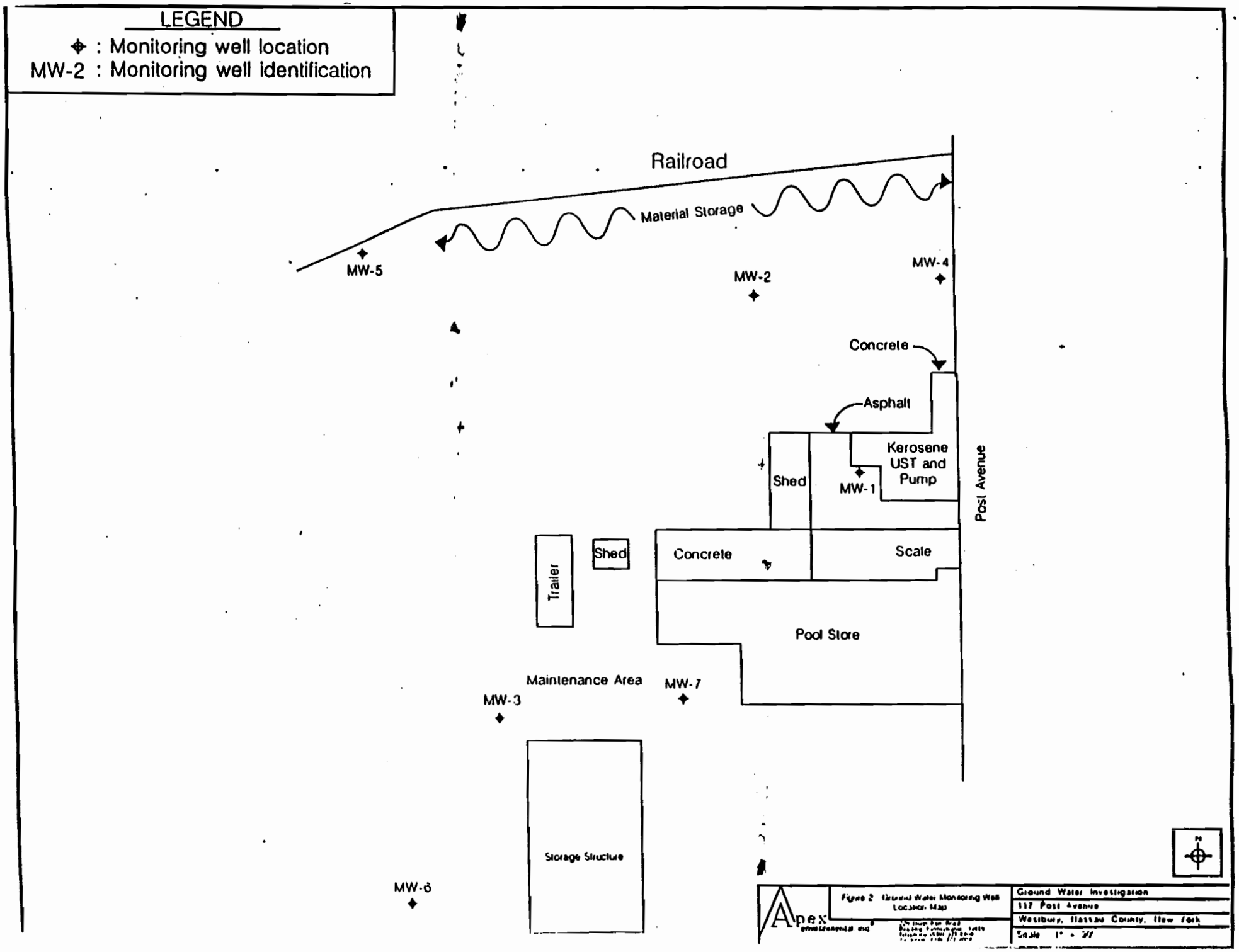
CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 7.3 FEET

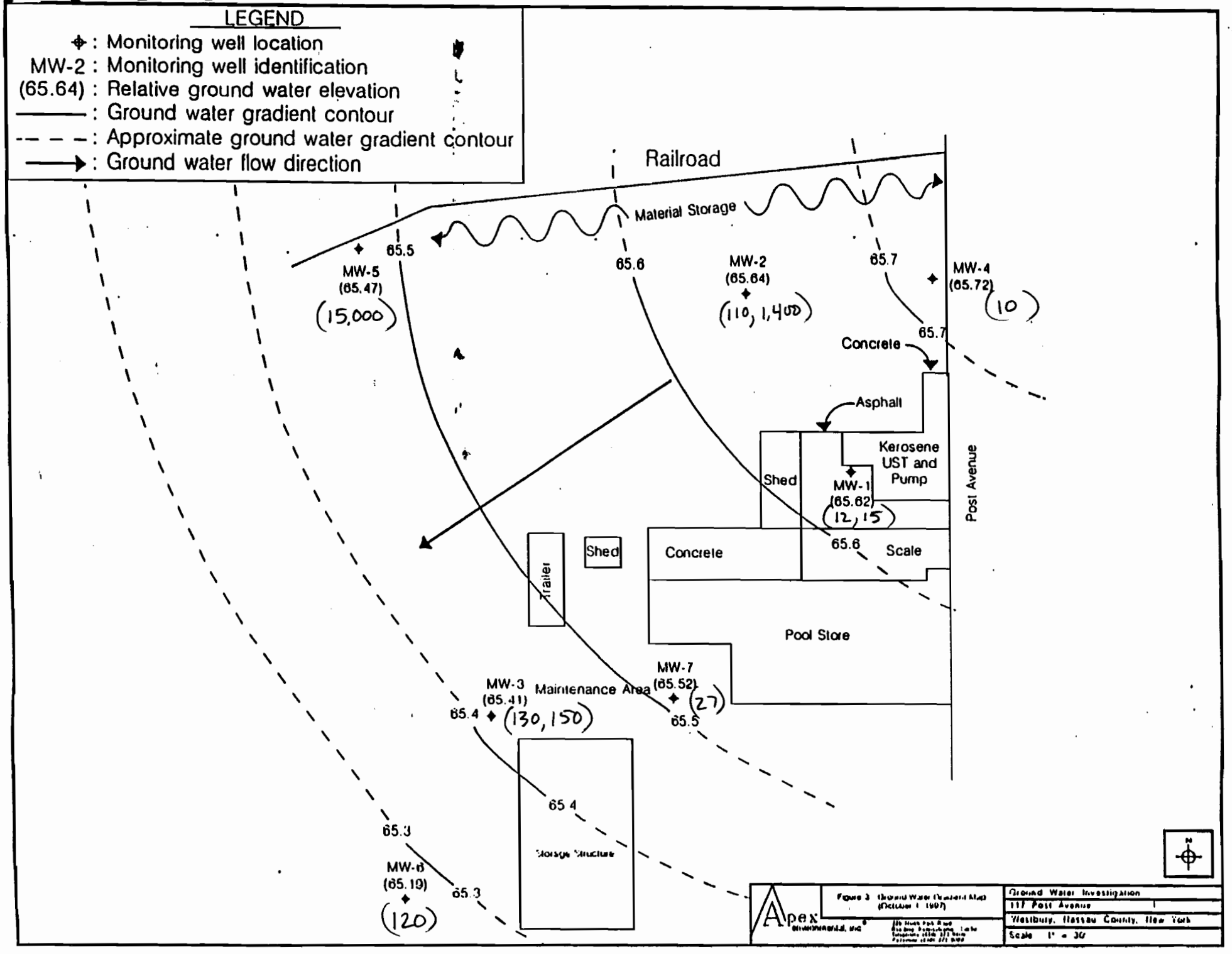
N

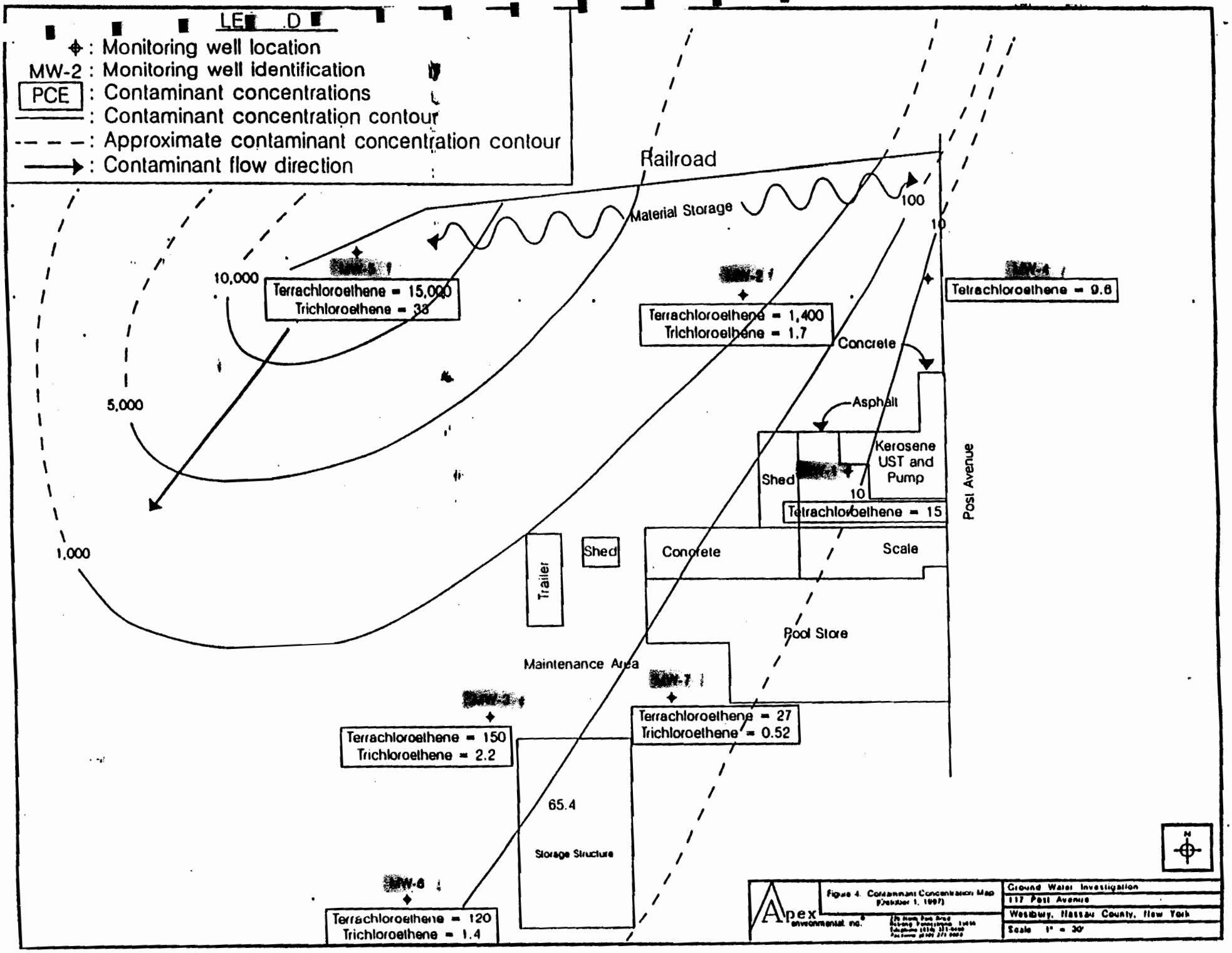
Apex environmental, inc.
226 North Five Road
Reading, Pennsylvania 19610
Telephone (610) 371-8400
Facsimile (610) 371-9009

Figure 1 Site Location Map
117 Post Avenue
Westbury, NY 11590

Source: Hicksville, NY and Freeport, NY
7.5 Minute Topographic Quadrangles
Both photorevised 1979


LEGEND
: Monitoring well location
MW-2 : Monitoring well identification
Railroad
Material Storage
MW-5
MW-2
MW-4
Concrete
Asphalt
Kerosene UST and Pump
MW-1
Shed
Post Avenue
Trailer
Shed
Concrete
Scale
Pool Store
Maintenance Area
MW-7
MW-3
Storage Structure
MW-6
N
Apex
Figure 2 Ground Water Monitoring Well Location Map
Ground Water Investigation
117 Post Avenue
Westbury, Nassau County, New York
Scale 1" = 30'


LEGEND
⌖ : Monitoring well location
MW-2 : Monitoring well identification
(65.64) : Relative ground water elevation
——— : Ground water gradient contour
– – – : Approximate ground water gradient contour
——→ : Ground water flow direction
Railroad
Material Storage
MW-5
(65.47)
(15,000)
65.5
65.6
MW-2
(65.64)
(110, 1,400)
65.7
MW-4
(65.72)
(10)
65.7
Concrete
Asphalt
Kerosene
UST and
Pump
Shed
MW-1
(65.62)
(12, 15)
Post Avenue
65.6
Scale
Concrete
Shed
Trailer
Pool Store
MW-7
(65.52)
(27)
MW-3
(65.41)
Maintenance Area
65.4
(130, 150)
65.5
65.4
Storage Structure
65.3
MW-6
(65.19)
(120)
65.3
Apex
Figure 3 Ground Water Gradient Map
(October 1, 1997)
Ground Water Investigation
117 Post Avenue
Westbury, Nassau County, New York
Scale 1" = 30'


LEGEND
: Monitoring well location
MW-2 : Monitoring well identification
PCE : Contaminant concentrations
: Contaminant concentration contour
: Approximate contaminant concentration contour
: Contaminant flow direction
Railroad
Material Storage
100
10
10,000
5,000
1,000
Terrachloroethene = 15,000
Trichloroethene = 38
Terrachloroethene = 1,400
Trichloroethene = 1.7
Tetrachloroethene = 9.6
Concrete
Asphalt
Kerosene UST and Pump
Shed
10
Tetrachloroethene = 15
Post Avenue
Trailer
Shed
Concrete
Scale
Pool Store
Maintenance Area
Terrachloroethene = 27
Trichloroethene = 0.52
Terrachloroethene = 150
Trichloroethene = 2.2
65.4
Storage Structure
Terrachloroethene = 120
Trichloroethene = 1.4
N
Apex environmental inc.
Figure 4. Contaminant Concentration Map (October 1, 1997)
Ground Water Investigation
117 Post Avenue
Westbury, Nassau County, New York
Scale 1" = 30'

APPENDIX A
GROUND WATER MONITORING WELL LOGS

APEX™
environmental, inc.

220 NORTH PARK ROAD
READING, PENNSYLVANIA 19610
TELEPHONE : (610) 371-8400

Project : 117 Post Avenue
Location : Westbury, NY
Date : September 25, 1997
Project Manager : James F. Mattern

Job No. : 9932.009
Well ID: MW1

Start Date : July 31, 1997
Complete Date : July 31, 1997
Well Cap : Expandable Locking
End Cap : Friction
Security Box : Flush Mount

Hole Diameter : 8 Inches
Casing Diameter : 4 Inches
Drilling Company : Tri-State Drilling Technolgies, Inc.

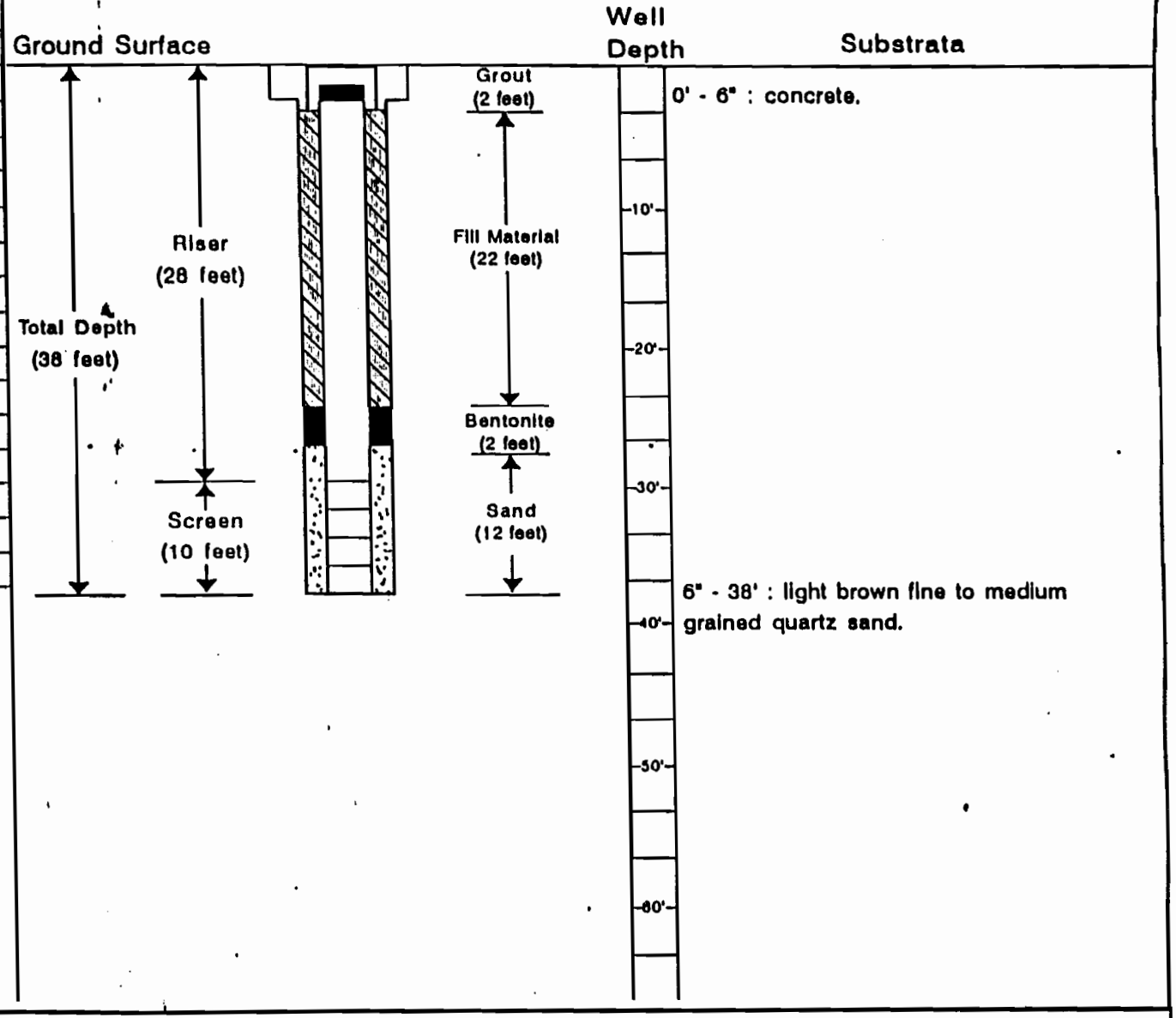
Drilling Method: Auger Relative
Relative Elevation of Well : 92.79

Elevation Measured From: Top of Casing
Depth to Water : 29.45

COMMENTS :

No petroleum odors or signs of contamination observed.

Geologist : Mark E. Zunich



Monitoring Well MW-1 Construction Diagram

APEX™ environmental, inc.

220 NORTH PARK ROAD
READING, PENNSYLVANIA 19610
TELEPHONE : (610) 371-8400

Project : 11 Post Avenue
Location : Westbury, NY
Date : September 25, 1997
Project Manager : James F. Mattern

Job No. : 9932.008

Well ID: MW2

Start Date : July 31, 1997
Complete Date : July 31, 1997
Well Cap : Expandable Locking
End Cap : Friction
Security Box : Flush Mount

Hole Diameter : 8 inches
Casing Diameter : 4 inches
Drilling Company : Tri-State Drilling Technolgies, Inc.

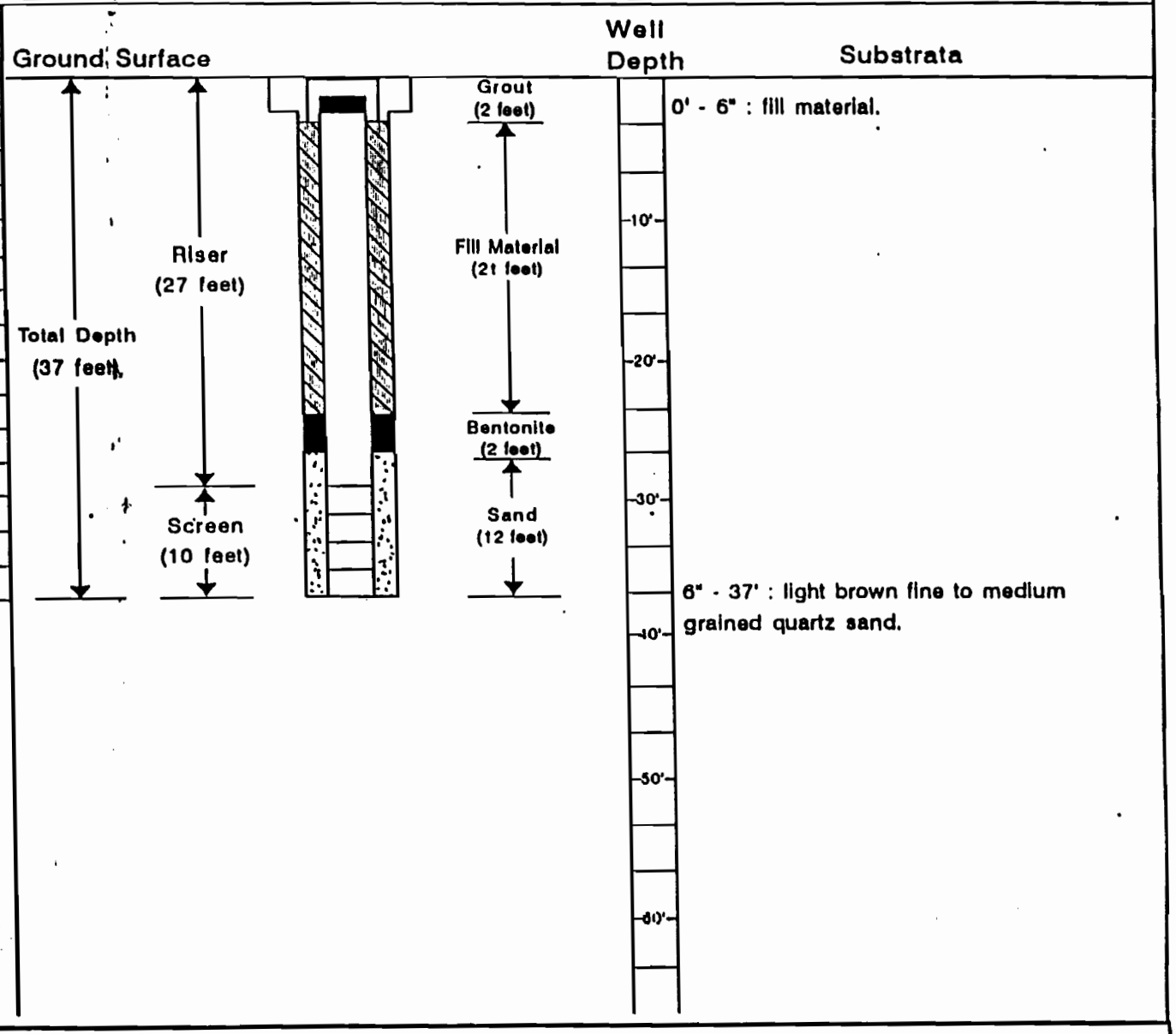
Drilling Method: Auger Relative
Relative Elevation of Well : 93.63

Elevation Measured From: Top of Casing
Depth to Water : 29.91

COMMENTS :

No petroleum odors or signs of contamination observed.

Geologist : Mark E. Zunich



Monitoring Well MW-2 Construction Diagram

APEX™ environmental, inc.

220 NORTH PARK ROAD
READING, PENNSYLVANIA 19610
TELEPHONE : (610) 371-8400

Project : 117 Post Avenue	Job No. : 9932.009
Location : Westbury, NY	Well ID: MW3
Date : September 25, 1997	
Project Manager : James F. Mattern	

Start Date : July 31, 1997
Complete Date : July 31, 1997
Well Cap : Expandable Locking
End Cap : Friction
Security Box : Flush Mount

Hole Diameter : 8 Inches
Casing Diameter : 4 Inches
Drilling Company : Tri-State Drilling Technolgies, Inc.

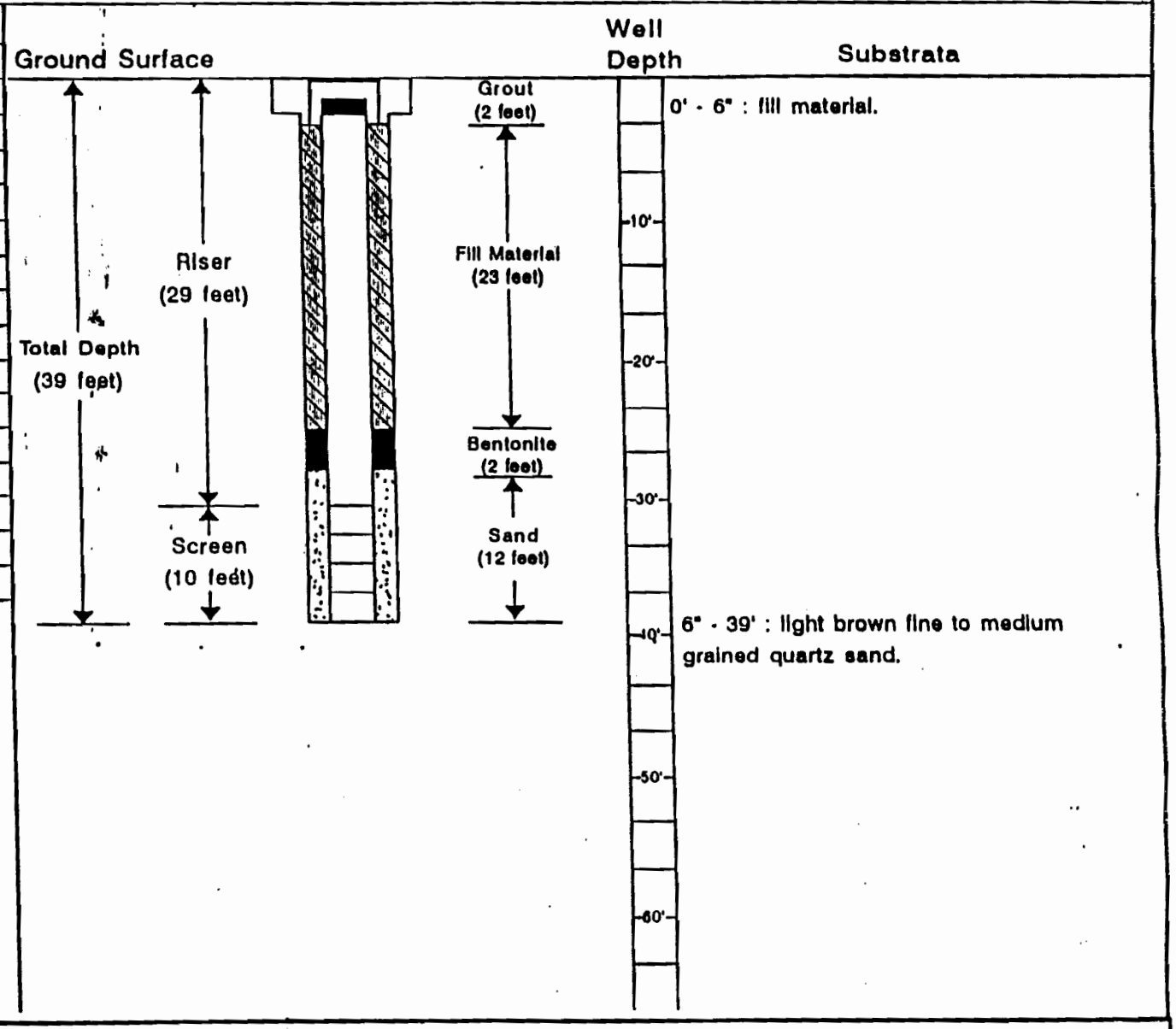
Drilling Method: Auger Relative
Relative Elevation of Well : 94.00

Elevation Measured From: Top of Casing
Depth to Water : 30.52

COMMENTS :

No petroleum odors or signs of contamination observed.

Geologist : Mark E. Zunich



Monitoring Well MW-3 Construction Diagram

APEX™
environmental, inc.

220 NORTH PARK ROAD
READING, PENNSYLVANIA 19610
TELEPHONE : (610) 371-8400

Project : 117 Post Avenue
Location : Westbury, NY
Date : October 14, 1997
Project Manager : James F. Mattern

Job No. : 9952.001
Well ID: MW4

Start Date : September 22, 1997
Complete Date : September 22, 1997
Well Cap : Expandable Locking
End Cap : Friction
Security Box : Flush Mount

Hole Diameter : 8 inches
Casing Diameter : 4 inches
Drilling Company : Tri-State Drilling Technolgies, Inc.

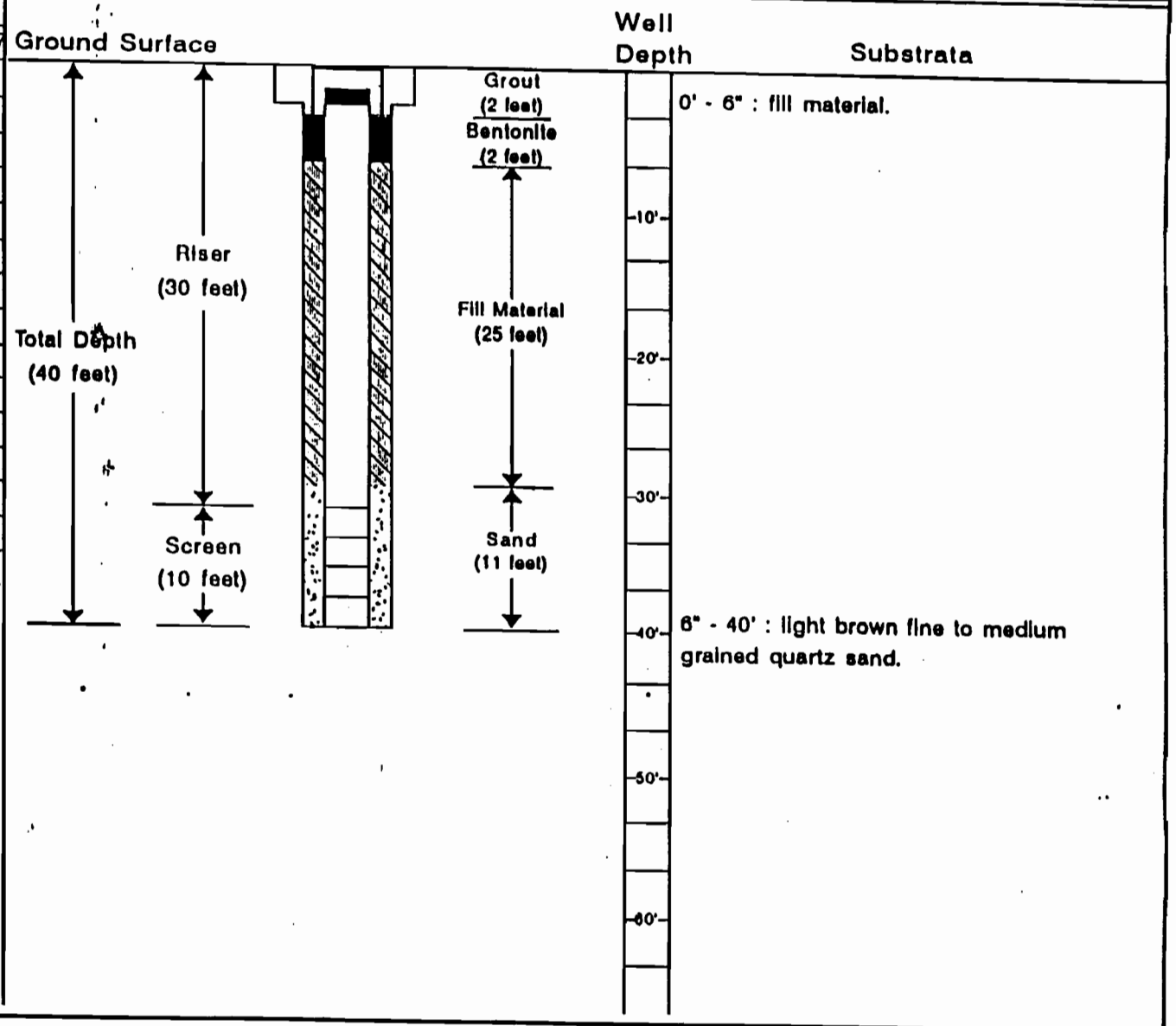
Drilling Method: Auger Relative
Relative Elevation of Well : 95.80

Elevation Measured From: Top of Casing
Depth to Water : 30.08

COMMENTS :

No petroleum odors or signs of contamination observed.

Geologist : Mark E. Zunich



Monitoring Well MW-4 Construction Diagram

APEX™
environmental, inc.

220 NORTH PARK ROAD
READING, PENNSYLVANIA 19610
TELEPHONE : (610) 371-6400

Project : 117 Post Avenue
Location : Westbury, NY
Date : October 14, 1997
Project Manager : James F. Mattern

Job No. : 9952.001
Well ID: MW5

Start Date : September 22, 1997
Complete Date : September 22, 1997
Well Cap : Expandable Locking
End Cap : Friction
Security Box : Flush Mount

Hole Diameter : 8 inches
Casing Diameter : 4 inches
Drilling Company : Tri-State Drilling Technolgies, Inc.

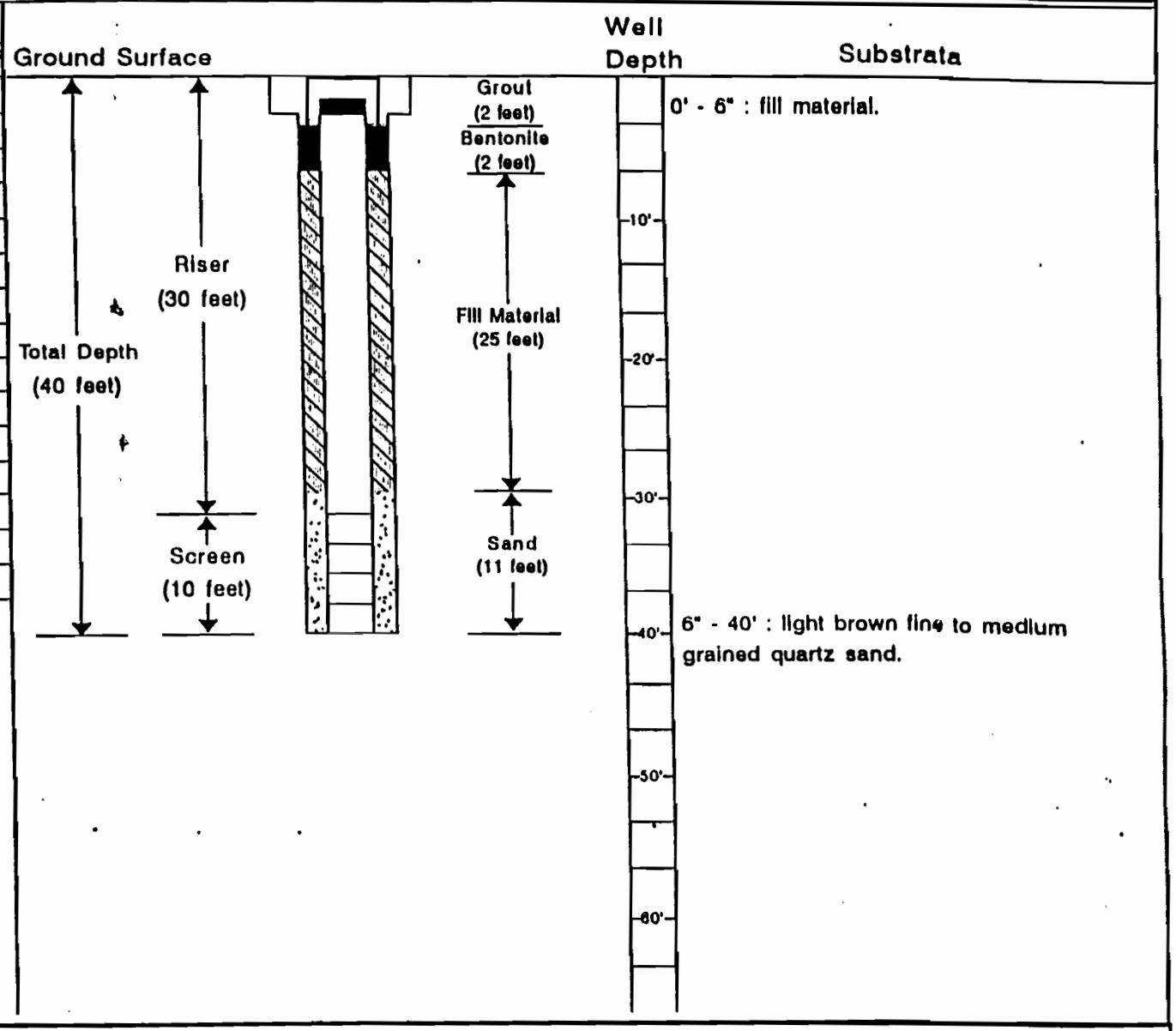
Drilling Method: Auger Relative
Relative Elevation of Well : 97.04

Elevation Measured From: Top of Casing
Depth to Water : 31.57

COMMENTS :

No petroleum odors or signs of contamination observed.

Geologist : Mark E. Zunich



Monitoring Well MW-5 Construction Diagram

APEX™
environmental, inc.

220 NORTH PARK ROAD
READING, PENNSYLVANIA 19610
TELEPHONE : (610) 371-8400

Project : 117 Post Avenue	Job No. : 9952.001
Location : Westbury, NY	Well ID: MW6
Date : October 14, 1997	
Project Manager : James F. Mattern	

Start Date : September 23, 1997
Complete Date : September 23, 1997
Well Cap : Expandable Locking
End Cap : Friction
Security Box : Flush Mount

Hole Diameter : 8 inches
Casing Diameter : 4 inches
Drilling Company : Tri-State Drilling Technolgies, Inc.

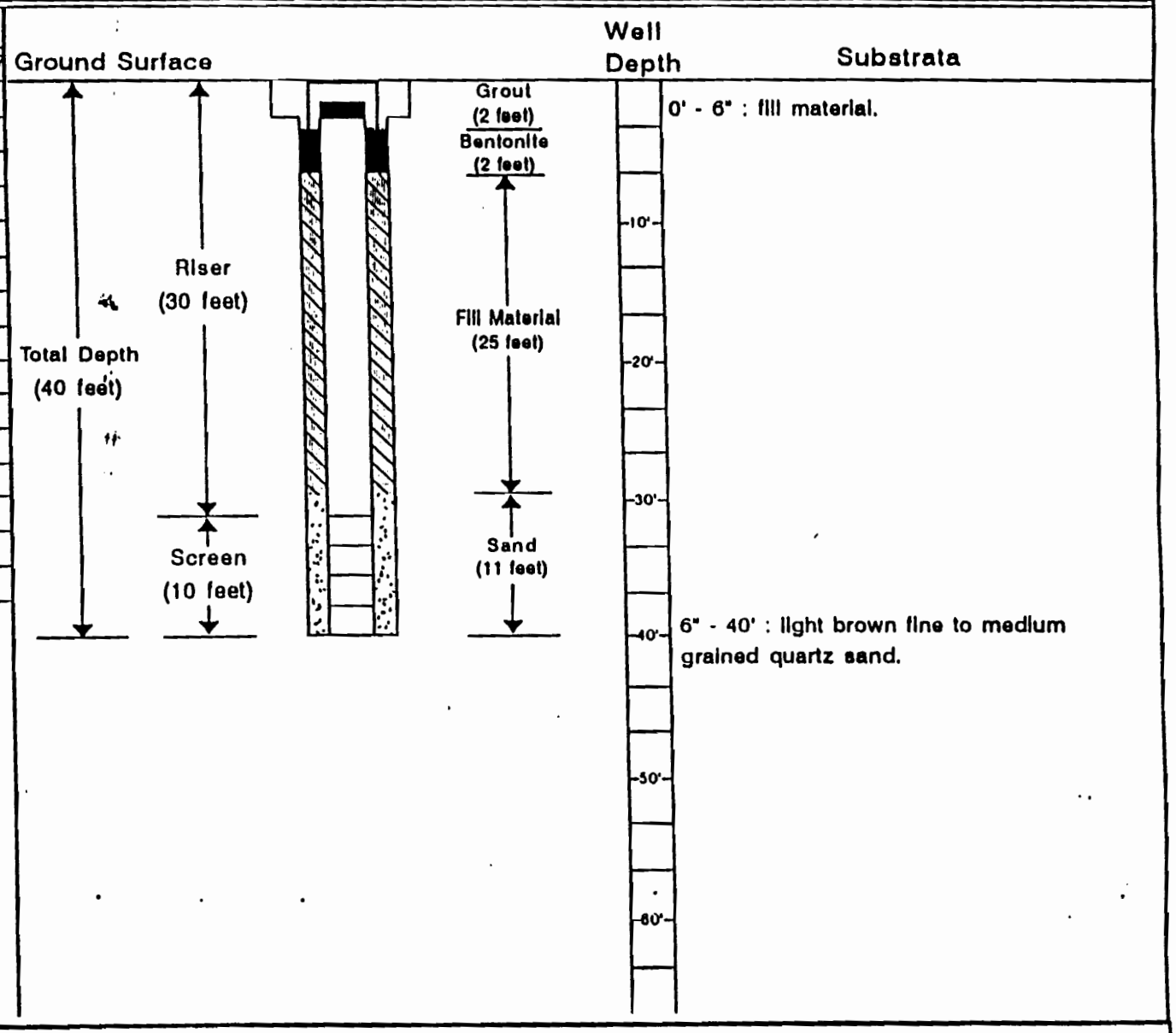
Drilling Method: Auger Relative
Relative Elevation of Well : 97.35

Elevation Measured From:
Top of Casing
Depth to Water : 32.16

COMMENTS :

No petroleum odors or signs of contamination observed.

Geologist : Mark E. Zunich



Monitoring Well MW-6 Construction Diagram

APEX™ environmental, inc.

220 NORTH PARK ROAD
READING, PENNSYLVANIA 19610
TELEPHONE : (610) 371-8400

Project : 117 Post Avenue	Job No. : 9952.001
Location : Westbury, NY	Well ID: MW7
Date : October 14, 1997	
Project Manager : James F. Mattern	

Start Date : September 23, 1997
Complete Date : September 23, 1997
Well Cap : Expandable Locking
End Cap : Friction
Security Box : Flush Mount

Hole Diameter : 8 inches
Casing Diameter : 4 inches
Drilling Company : Tri-State Drilling Technolgies, Inc.

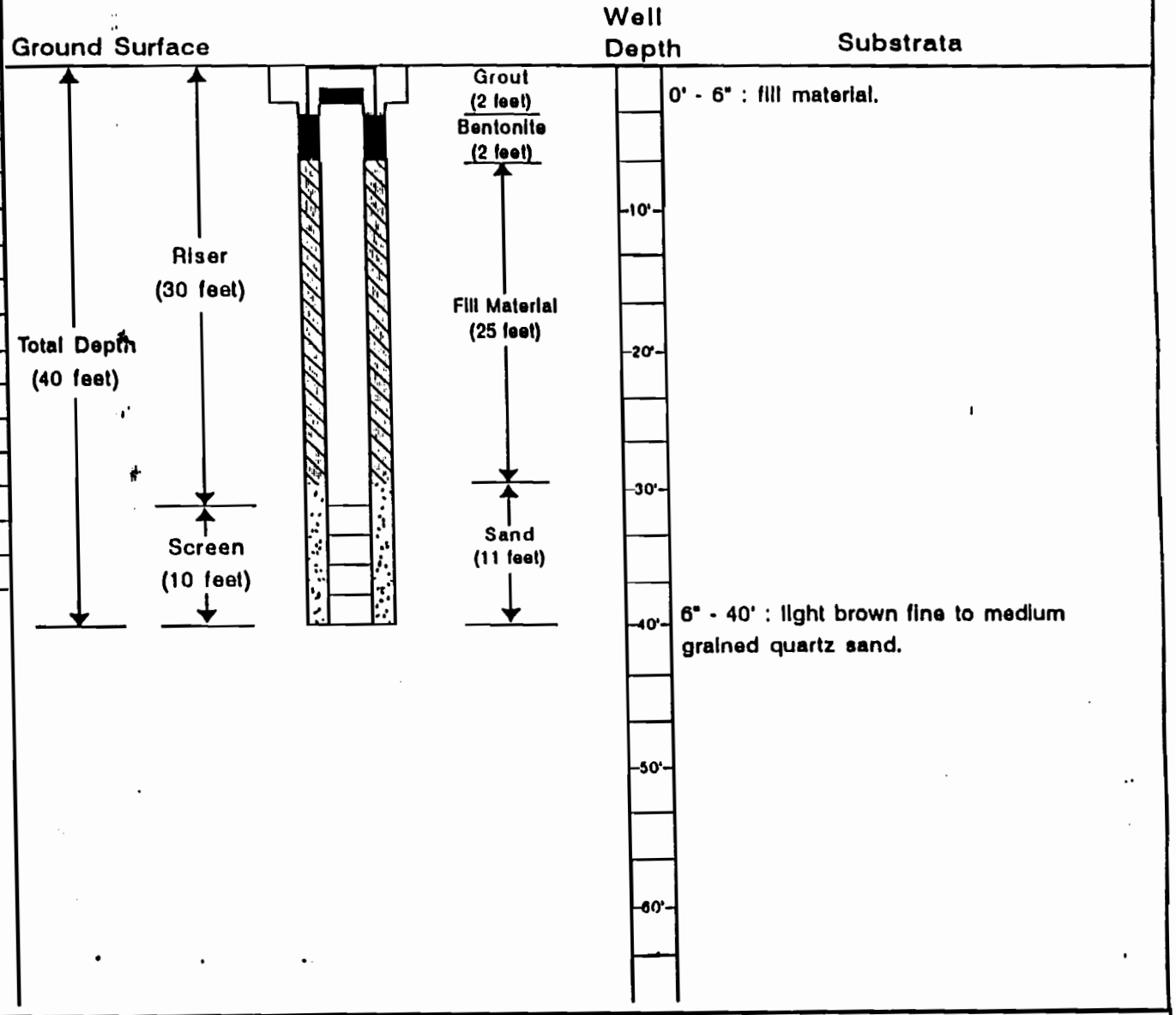
Drilling Method: Auger Relative
Relative Elevation of Well : 95.79

Elevation Measured From: Top of Casing
Depth to Water : 30.27

COMMENTS :

No petroleum odors or signs of contamination observed.

Geologist : Mark E. Zunich



Monitoring Well MW-7 Construction Diagram

APPENDIX B

LABORATORY ANALYTICAL DATA SHEETS AND

CORRESPONDING CHAIN-OF-CUSTODY (August 1997)

GLA LABORATORIES · 1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-1-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0083	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
Bromochloromethane	0.50	N.D.
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	0.50	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dibromo-3-chloropropane	1.0	N.D.
1,2-Dibromoethane	0.50	N.D.
Dibromomethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
1,3-Dichloropropane	0.50	N.D.
2,2-Dichloropropane	0.50	N.D.
1,1-Dichloropropene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Hexachlorobutadiene	1.0	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Methylene chloride	0.50	N.D.

GLA LABORATORIES
1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-1-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0083	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Naphthalene	1.0	N.D.
n-Propylbenzene	0.50	N.D.
Sytrene	0.50	N.D.
1,1,1,2-Tetrachloroethane	0.50	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	15.0
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
1,2,3-Trichloropropane	0.50	N.D.
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
Vinyl chloride	0.50	N.D.
Total Xylenes	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

GLA LABORATORIES

M Slater for

Crystal Pollock
Laboratory Director

7100083.APE <2>

GLA LABORATORIES

1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-2-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0084	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
Bromochloromethane	0.50	N.D.
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	0.50	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dibromo-3-chloropropane	1.0	N.D.
1,2-Dibromoethane	0.50	N.D.
Dibromomethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
1,3-Dichloropropane	0.50	N.D.
2,2-Dichloropropane	0.50	N.D.
1,1-Dichloropropene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Hexachlorobutadiene	1.0	N.D.
Isopropylbenzene	0.50	0.94
p-Isopropyltoluene	0.50	N.D.
Methylene chloride	0.50	N.D.

GLA LABORATORIES
1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-2-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0084	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Naphthalene	1.0	N.D.
n-Propylbenzene	0.50	N.D.
Sytrene	0.50	N.D.
1,1,1,2-Tetrachloroethane	0.50	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	1,400.0
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	1.7
Trichlorofluoromethane	0.50	N.D.
1,2,3-Trichloropropane	0.50	N.D.
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
Vinyl chloride	0.50	N.D.
Total Xylenes	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

GLA LABORATORIES

M. Slater for

Crystal Pollock
Laboratory Director

GLA LABORATORIES

1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-3-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0085	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
Bromochloromethane	0.50	N.D.
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	0.50	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dibromo-3-chloropropane	1.0	N.D.
1,2-Dibromoethane	0.50	N.D.
Dibromomethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
1,3-Dichloropropane	0.50	N.D.
2,2-Dichloropropane	0.50	N.D.
1,1-Dichloropropene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Hexachlorobutadiene	1.0	N.D.
Isopropylbenzene	0.50	0.89
p-Isopropyltoluene	0.50	N.D.
Methylene chloride	0.50	N.D.

GLA LABORATORIES
1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-3-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0085	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Naphthalene	1.0	N.D.
n-Propylbenzene	0.50	N.D.
Sytrene	0.50	N.D.
1,1,1,2-Tetrachloroethane	0.50	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	150.0
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	2.2
Trichlorofluoromethane	0.50	N.D.
1,2,3-Trichloropropane	0.50	N.D.
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
Vinyl chloride	0.50	N.D.
Total Xylenes	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

GLA LABORATORIES

Crystal Pollock
Laboratory Director

7100083.APE <6>

GLA LABORATORIES
1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-4-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0086	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
Bromochloromethane	0.50	N.D.
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	0.50	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dibromo-3-chloropropane	1.0	N.D.
1,2-Dibromoethane	0.50	N.D.
Dibromomethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
1,3-Dichloropropane	0.50	N.D.
2,2-Dichloropropane	0.50	N.D.
1,1-Dichloropropene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Hexachlorobutadiene	1.0	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Methylene chloride	0.50	N.D.

GLA LABORATORIES
1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-4-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0086	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Naphthalene	1.0	N.D.
n-Propylbenzene	0.50	N.D.
Sytrene	0.50	N.D.
1,1,1,2-Tetrachloroethane	0.50	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	9.6
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
1,2,3-Trichloropropane	0.50	N.D.
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
Vinyl chloride	0.50	N.D.
Total Xylenes	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

GLA LABORATORIES

Crystal Pollock
Laboratory Director

GLA LABORATORIES
1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-5-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0087	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
Bromochloromethane	0.50	N.D.
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	0.50	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dibromo-3-chloropropane	1.0	N.D.
1,2-Dibromoethane	0.50	N.D.
Dibromomethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
1,3-Dichloropropane	0.50	N.D.
2,2-Dichloropropane	0.50	N.D.
1,1-Dichloropropene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Hexachlorobutadiene	1.0	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Methylene chloride	0.50	N.D.

GLA LABORATORIES
1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 : (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-5-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0087	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Naphthalene	1.0	N.D.
n-Propylbenzene	0.50	N.D.
Sytrene	0.50	N.D.
1,1,1,2-Tetrachloroethane	0.50	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	15,000.0
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	33.0
Trichlorofluoromethane	0.50	N.D.
1,2,3-Trichloropropane	0.50	N.D.
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
Vinyl chloride	0.50	N.D.
Total Xylenes	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

GLA LABORATORIES

Crystal Pollock
Laboratory Director

7100083.APE <10>

GLA LABORATORIES
1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-6-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0088	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
Bromochloromethane	0.50	N.D.
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	0.50	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dibromo-3-chloropropane	1.0	N.D.
1,2-Dibromoethane	0.50	N.D.
Dibromomethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
1,3-Dichloropropane	0.50	N.D.
2,2-Dichloropropane	0.50	N.D.
1,1-Dichloropropene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Hexachlorobutadiene	1.0	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Methylene chloride	0.50	N.D.

GLA LABORATORIES
1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-6-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0088	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Naphthalene	1.0	N.D.
n-Propylbenzene	0.50	N.D.
Sytrene	0.50	N.D.
1,1,1,2-Tetrachloroethane	0.50	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	120.0
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	1.4
Trichlorofluoromethane	0.50	N.D.
1,2,3-Trichloropropane	0.50	N.D.
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
Vinyl chloride	0.50	N.D.
Total Xylenes	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

GLA LABORATORIES

Crystal Pollock
Laboratory Director

7100083.APE <12>

GLA LABORATORIES
1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-7-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0089	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
Bromochloromethane	0.50	N.D.
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	0.50	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dibromo-3-chloropropane	1.0	N.D.
1,2-Dibromoethane	0.50	N.D.
Dibromomethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
1,3-Dichloropropane	0.50	N.D.
2,2-Dichloropropane	0.50	N.D.
1,1-Dichloropropene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Hexachlorobutadiene	1.0	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Methylene chloride	0.50	N.D.

GLA LABORATORIES
1008 W. Ninth Avenue • King of Prussia, Pennsylvania 19406 (610) 337-9992 FAX (610) 337-9939

Apex Environmental Inc.	Client Project ID:	Post Ave.	Sampled:	Oct 1, 1997
220 North Park Road	Sample Descript:	Water Post-MW-7-1001	Received:	Oct 1, 1997
Reading, PA 19610	Analysis Method:	5030/8021	Analyzed:	Oct 4, 1997
Attention: Jim Mattern	Lab Number:	710-0089	Reported:	Oct 7, 1997

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Naphthalene	1.0	N.D.
n-Propylbenzene	0.50	N.D.
Sytrene	0.50	N.D.
1,1,1,2-Tetrachloroethane	0.50	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	27.0
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	0.52
Trichlorofluoromethane	0.50	N.D.
1,2,3-Trichloropropane	0.50	N.D.
1,2,4-Trimethylbenzene	0.50	N.D.
1,3,5-Trimethylbenzene	0.50	N.D.
Vinyl chloride	0.50	N.D.
Total Xylenes	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

GLA LABORATORIES

Crystal Pollock
Laboratory Director

GLA LABORATORIES

CHAIN OF CUSTODY REPORT

1008 W. NINTH AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406
(610) 337-9992 FAX (610) 337-9939

Client: Apex Environmental, Inc.
Address: 220 N. Park Rd.
Reading, PA 19610
Report to: Jim Mattern
Phone #: (610)371-8400
Fax #: (610)371-9009

Bill To:
Address:
State & Program: NY
Phone #: ( )
Fax #: ( )

TAT: (5 DAY) 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
DATE RESULTS NEEDED: 10/8/97
TEMPERATURE UPON RECEIPT:
AIR BILL NO.

Project: Post Ave.
Sampler: Mark E. Zmick
PO/Quote #: 9952.001

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	TCL (602) (Aromatics)	SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	SAMPLE CONTROL: GOOD CONDITION	LABORATORY ID NUMBER
1	Post-MW1-1001	10/1/97	1300	W	ICE HCl	3	G	X				7100083
2	Post-MW2-1001		1230					X				7100084
3	Post-MW3-1001		1400					X				7100085
4	Post-MW4-1001		1245					X				7100086
5	Post-MW5-1001		1315					X				7100087
6	Post-MW6-1001		1330					X				7100088
7	Post-MW7-1001		1345					X				7100089
8												
9												
10												

RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED
Mark E. Zmick 10/1/97 1340	10/1/97 1840		
RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED

COMMENTS: Please Fax results

PAGE OF

Appendix 2

Laboratory Data Sheets

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.991339.01 04/09/99

Anson Environmental Ltd.
771 New York Avenue
Huntington, NY 11743
ATTN: Dennis Madigan

SOURCE OF SAMPLE: Westbury Dry Cleaners, #96002
COLLECTED BY: Client DATE COL'D:03/31/99 RECEIVED:04/01/99

SAMPLE: Water sample, MW#1

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
1,1 Dichloroethene	ug/L	<1
1,1 Dichloroethane	ug/L	<1
1,2 Dichloroethene	ug/L	2
Chloroform	ug/L	<1
1,2 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
1,2 Dichloropropane	ug/L	<1
t-1,3Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	3
Chlorodibromomethane	ug/L	<1
112 Trichloroethane	ug/L	<2
c-1,3Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	95

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<1
1,3 Dichlorobenzene	ug/L	<2
1,2 Dichlorobenzene	ug/L	<2
1,4 Dichlorobenzene	ug/L	<2

cc:

REMARKS:

DIRECTOR

rn= 8379 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.991339.02 04/09/99

Anson Environmental Ltd.
771 New York Avenue
Huntington, NY 11743
ATTN: Dennis Madigan

SOURCE OF SAMPLE: Westbury Dry Cleaners, #96002
COLLECTED BY: Client DATE COL'D:03/31/99 RECEIVED:04/01/99

SAMPLE: Water sample, MW#2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1	Chlorobenzene	ug/L	<1
Bromomethane	ug/L	<1	1,3 Dichlorobenzene	ug/L	<2
Dichlordifluomethane	ug/L	<2	1,2 Dichlorobenzene	ug/L	<2
Vinyl Chloride	ug/L	<1	1,4 Dichlorobenzene	ug/L	<2
Chloroethane	ug/L	<1			
Methylene Chloride	ug/L	<1			
Trichlorofluomethane	ug/L	<2			
1,1 Dichloroethene	ug/L	<1			
1,1 Dichloroethane	ug/L	<1			
1,2 Dichloroethene	ug/L	13			
Chloroform	ug/L	<1			
1,2 Dichloroethane	ug/L	<1			
111 Trichloroethane	ug/L	<1			
Carbon Tetrachloride	ug/L	<1			
Bromodichloromethane	ug/L	<1			
1,2 Dichloropropane	ug/L	<1			
t-1,3Dichloropropene	ug/L	<2			
Trichloroethylene	ug/L	<1			
Chlorodibromomethane	ug/L	<1			
112 Trichloroethane	ug/L	<2			
c-1,3Dichloropropene	ug/L	<2			
2chloroethvinylether	ug/L	<2			
Bromoform	ug/L	<2			
1122Tetrachloroethan	ug/L	<2			
Tetrachloroethene	ug/L	690			

cc:

REMARKS:

DIRECTOR

rn= 8380 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.991339.03 04/09/99

Anson Environmental Ltd.
771 New York Avenue
Huntington, NY 11743
ATTN: Dennis Madigan

SOURCE OF SAMPLE: Westbury Dry Cleaners, #96002
COLLECTED BY: Client DATE COL'D:03/31/99 RECEIVED:04/01/99

SAMPLE: Water sample, MW#3

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
1,1 Dichloroethene	ug/L	<1
1,1 Dichloroethane	ug/L	<1
1,2 Dichloroethene	ug/L	98
Chloroform	ug/L	<1
1,2 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
1,2 Dichloropropane	ug/L	<1
t-1,3Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	11
Chlorodibromomethane	ug/L	<1
112 Trichloroethane	ug/L	<2
c-1,3Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	20000

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<1
1,3 Dichlorobenzene	ug/L	<2
1,2 Dichlorobenzene	ug/L	<2
1,4 Dichlorobenzene	ug/L	<2

cc:

REMARKS:

DIRECTOR

rn= 8381 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.991339.05 04/09/99

Anson Environmental Ltd.
771 New York Avenue
Huntington, NY 11743
ATTN: Dennis Madigan

SOURCE OF SAMPLE: Westbury Dry Cleaners, #96002
COLLECTED BY: Client DATE COL'D:03/31/99 RECEIVED:04/01/99

SAMPLE: Soil sample, FD#2 (10-11)

ANALYTICAL PARAMETERS		
Vinyl Chloride	ug/Kg	<1000
Trichlorofluomethane	ug/Kg	<1000
1,1 Dichloroethene	ug/Kg	<1000
Methylene Chloride	ug/Kg	<1000
t-1,2-Dichloroethene	ug/Kg	<1000
1,1 Dichloroethane	ug/Kg	<1000
2,2-Dichloropropane	ug/Kg	<1000
c-1,2-Dichloroethene	ug/Kg	<1000
Bromochloromethane	ug/Kg	<1000
Chloroform	ug/Kg	<1000
111 Trichloroethane	ug/Kg	<1000
1,1-Dichloropropene	ug/Kg	<1000
Carbon Tetrachloride	ug/Kg	<1000
Benzene	ug/Kg	<1000
1,2 Dichloroethane	ug/Kg	<1000
Trichloroethylene	ug/Kg	<1000
1,2 Dichloropropane	ug/Kg	<1000
Bromodichloromethane	ug/Kg	<1000
Dibromomethane	ug/Kg	<1000
Toluene	ug/Kg	<1000
112 Trichloroethane	ug/Kg	<1000
Tetrachloroethene	ug/Kg	270000
1,3-Dichloropropane	ug/Kg	<1000
Chlorodibromomethane	ug/Kg	<1000
1,2 Dibromoethane	ug/Kg	<1000

ANALYTICAL PARAMETERS		
1112Tetrachloroethan	ug/Kg	<1000
Chlorobenzene	ug/Kg	<1000
Ethyl Benzene	ug/Kg	<1000

cc:

REMARKS: Volatile Organic Compounds by EPA Method 8260.
Page 1 of 2.
Elevated detection limit due to interference in sample.

DIRECTOR Thomas R. [illegible]

rn= 8383 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.991339.05 04/09/99

Anson Environmental Ltd.
771 New York Avenue
Huntington, NY 11743
ATTN: Dennis Madigan

SOURCE OF SAMPLE: Westbury Dry Cleaners, #96002
COLLECTED BY: Client DATE COL'D:03/31/99 RECEIVED:04/01/99

SAMPLE: Soil sample, FD#2 (10-11)

ANALYTICAL PARAMETERS		
m + p Xylene	ug/Kg	<2000
o Xylene	ug/Kg	<1000
Styrene	ug/Kg	<1000
Bromoform	ug/Kg	<1000
Isopropylbenzene	ug/Kg	<1000
1122Tetrachloroethan	ug/Kg	<1000
Bromobenzene	ug/Kg	<1000
123-Trichloropropane	ug/Kg	<1000
n-Propylbenzene	ug/Kg	<1000
2-Chlorotoluene	ug/Kg	<1000
135-Trimethylbenzene	ug/Kg	<1000
4-Chlorotoluene	ug/Kg	<1000
tert-Butylbenzene	ug/Kg	<1000
124-Trimethylbenzene	ug/Kg	<1000
sec-Butylbenzene	ug/Kg	<1000
p-Isopropyltoluene	ug/Kg	<1000
1,2 Dichlorobenzene	ug/Kg	<1000
1,3 Dichlorobenzene	ug/Kg	<1000
1,4 Dichlorobenzene	ug/Kg	<1000
DBCP	ug/Kg	<1000
124-Trichlorobenzene	ug/Kg	<1000
Hexachlorobutadiene	ug/Kg	<1000
Naphthalene	ug/Kg	<1000
123-Trichlorobenzene	ug/Kg	<1000
c-1,3Dichloropropene	ug/Kg	<1000

ANALYTICAL PARAMETERS		
t-1,3Dichloropropene	ug/Kg	<1000
Acetone	ug/Kg	<10000
% Solids		98

cc:

REMARKS: Volatile Organic Compounds by EPA Method 8260.
Page 2 of 2.
Elevated detection limit due to interference in sample.

DIRECTOR

rn= 8384 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.991339.06 04/09/99

Anson Environmental Ltd.
771 New York Avenue
Huntington, NY 11743
ATTN: Dennis Madigan

SOURCE OF SAMPLE: Westbury Dry Cleaners, #96002
COLLECTED BY: Client DATE COL'D:03/31/99 RECEIVED:04/01/99

SAMPLE: Soil sample, FD#2 (20-22)

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Vinyl Chloride	ug/Kg	<1	1112Tetrachloroethan	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1	Chlorobenzene	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1	Ethyl Benzene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1			
t-1,2-Dichloroethene	ug/Kg	<1			
1,1 Dichloroethane	ug/Kg	<1			
2,2-Dichloropropane	ug/Kg	<1			
c-1,2-Dichloroethene	ug/Kg	<1			
Bromochloromethane	ug/Kg	<1			
Chloroform	ug/Kg	<1			
111 Trichloroethane	ug/Kg	<1			
1,1-Dichloropropene	ug/Kg	<1			
Carbon Tetrachloride	ug/Kg	<1			
Benzene	ug/Kg	<1			
1,2 Dichloroethane	ug/Kg	<1			
Trichloroethylene	ug/Kg	<1			
1,2 Dichloropropane	ug/Kg	<1			
Bromodichloromethane	ug/Kg	<1			
Dibromomethane	ug/Kg	<1			
Toluene	ug/Kg	<1			
112 Trichloroethane	ug/Kg	<1			
Tetrachloroethene	ug/Kg	53			
1,3-Dichloropropane	ug/Kg	<1			
Chlorodibromomethane	ug/Kg	<1			
1,2 Dibromoethane	ug/Kg	<1			

cc:

REMARKS: Volatile Organic Compounds by EPA Method 8260.
Page 1 of 2.

DIRECTOR

rn= 8385 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.991339.06 04/09/99

Anson Environmental Ltd.
771 New York Avenue
Huntington, NY 11743
ATTN: Dennis Madigan

SOURCE OF SAMPLE: Westbury Dry Cleaners, #96002
COLLECTED BY: Client DATE COL'D:03/31/99 RECEIVED:04/01/99

SAMPLE: Soil sample, FD#2 (20-22)

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
m + p Xylene	ug/Kg	<2	t-1,3Dichloropropene	ug/Kg	<1
o Xylene	ug/Kg	<1	Acetone	ug/Kg	<10
Styrene	ug/Kg	<1			
Bromoform	ug/Kg	<1			
Isopropylbenzene	ug/Kg	<1	% Solids		98
1122Tetrachloroethan	ug/Kg	<1			
Bromobenzene	ug/Kg	<1			
123-Trichloropropane	ug/Kg	<1			
n-Propylbenzene	ug/Kg	<1			
2-Chlorotoluene	ug/Kg	<1			
135-Trimethylbenzene	ug/Kg	<1			
4-Chlorotoluene	ug/Kg	<1			
tert-Butylbenzene	ug/Kg	<1			
124-Trimethylbenzene	ug/Kg	<1			
sec-Butylbenzene	ug/Kg	<1			
p-Isopropyltoluene	ug/Kg	<1			
1,2 Dichlorobenzene	ug/Kg	<1			
1,3 Dichlorobenzene	ug/Kg	<1			
1,4 Dichlorobenzene	ug/Kg	2			
DBCP	ug/Kg	<1			
124-Trichlorobenzene	ug/Kg	52			
Hexachlorobutadiene	ug/Kg	3			
Naphthalene	ug/Kg	1			
123-Trichlorobenzene	ug/Kg	<1			
c-1,3Dichloropropene	ug/Kg	<1			

cc:

REMARKS: Volatile Organic Compounds by EPA Method 8260.
Page 2 of 2.

DIRECTOR Thomas [illegible]

rn= 8386 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.991339.07 04/09/99

Anson Environmental Ltd.
771 New York Avenue
Huntington, NY 11743
ATTN: Dennis Madigan

SOURCE OF SAMPLE: Westbury Dry Cleaners, #96002
COLLECTED BY: Client DATE COL'D:03/31/99 RECEIVED:04/01/99

SAMPLE: Soil sample, FD#2 (30-32)

ANALYTICAL PARAMETERS		
Vinyl Chloride	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
2,2-Dichloropropane	ug/Kg	<1
c-1,2-Dichloroethene	ug/Kg	<1
Bromochloromethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
1,1-Dichloropropene	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1,2 Dichloroethane	ug/Kg	<1
Trichloroethylene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
Dibromomethane	ug/Kg	<1
Toluene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	17
1,3-Dichloropropane	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
1,2 Dibromoethane	ug/Kg	<1

ANALYTICAL PARAMETERS		
1112Tetrachloroethan	ug/Kg	<1
Chlorobenzene	ug/Kg	<1
Ethyl Benzene	ug/Kg	<1

cc:

REMARKS: Volatile Organic Compounds by EPA Method 8260.
Page 1 of 2.

DIRECTOR

rn= 8387 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.991339.07 04/09/99

Anson Environmental Ltd.
771 New York Avenue
Huntington, NY 11743
ATTN: Dennis Madigan

SOURCE OF SAMPLE: Westbury Dry Cleaners, #96002
COLLECTED BY: Client DATE COL'D:03/31/99 RECEIVED:04/01/99

SAMPLE: Soil sample, FD#2 (30-32)

ANALYTICAL PARAMETERS		
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Styrene	ug/Kg	<1
Bromoform	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
Bromobenzene	ug/Kg	<1
123-Trichloropropane	ug/Kg	<1
n-Propylbenzene	ug/Kg	<1
2-Chlorotoluene	ug/Kg	<1
135-Trimethylbenzene	ug/Kg	<1
4-Chlorotoluene	ug/Kg	<1
tert-Butylbenzene	ug/Kg	<1
124-Trimethylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	<1
p-Isopropyltoluene	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
DBCP	ug/Kg	<1
124-Trichlorobenzene	ug/Kg	<1
Hexachlorobutadiene	ug/Kg	<1
Naphthalene	ug/Kg	<1
123-Trichlorobenzene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Acetone	ug/Kg	<10
% Solids		83

cc:

REMARKS: Volatile Organic Compounds by EPA Method 8260.
Page 2 of 2.

DIRECTOR

rn= 8388 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.991339.04 04/09/99

Anson Environmental Ltd.
771 New York Avenue
Huntington, NY 11743
ATTN: Dennis Madigan

SOURCE OF SAMPLE: Westbury Dry Cleaners, #96002
COLLECTED BY: Client DATE COL'D:03/31/99 RECEIVED:04/01/99

SAMPLE: Water sample, FD#2 (GW 36-40)

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
1,1 Dichloroethene	ug/L	<1
1,1 Dichloroethane	ug/L	<1
1,2 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
1,2 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
1,2 Dichloropropane	ug/L	<1
t-1,3Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<1
112 Trichloroethane	ug/L	<2
c-1,3Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	62

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<1
1,3 Dichlorobenzene	ug/L	<2
1,2 Dichlorobenzene	ug/L	<2
1,4 Dichlorobenzene	ug/L	<2

cc:

REMARKS:

DIRECTOR

rn= 8382 NYSDOH ID# 10320

Appendix 3

Nassau County Discharge Letter

THOMAS S. GULOTTA
COUNTY EXECUTIVE

JOHN M. WALTZ, P.E.
COMMISSIONER

COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
MINEOLA, NEW YORK 11501-4822

April 2, 1999

Mr. Dennis Madigan
Anson Environmental Ltd.
771 New York Avenue
Huntington, New York 11743

Re: **Westbury Cleaners**
123 Post Avenue
Westbury, New York

Dear Mr. Madigan:

Your request to discharge approximately 165 gallons of well development water to the public sewer through the building sewer, on-site, has been considered and is hereby approved.

This determination of approval for the proposed and regulated discharge is based on the non-hazardous nature and sewer acceptable quality of the wastewater as indicated through certified laboratory analyses.

Your concern and cooperation are appreciated. If you have any questions with regard to this matter, please call me at 516-571-7352.

Very truly yours,

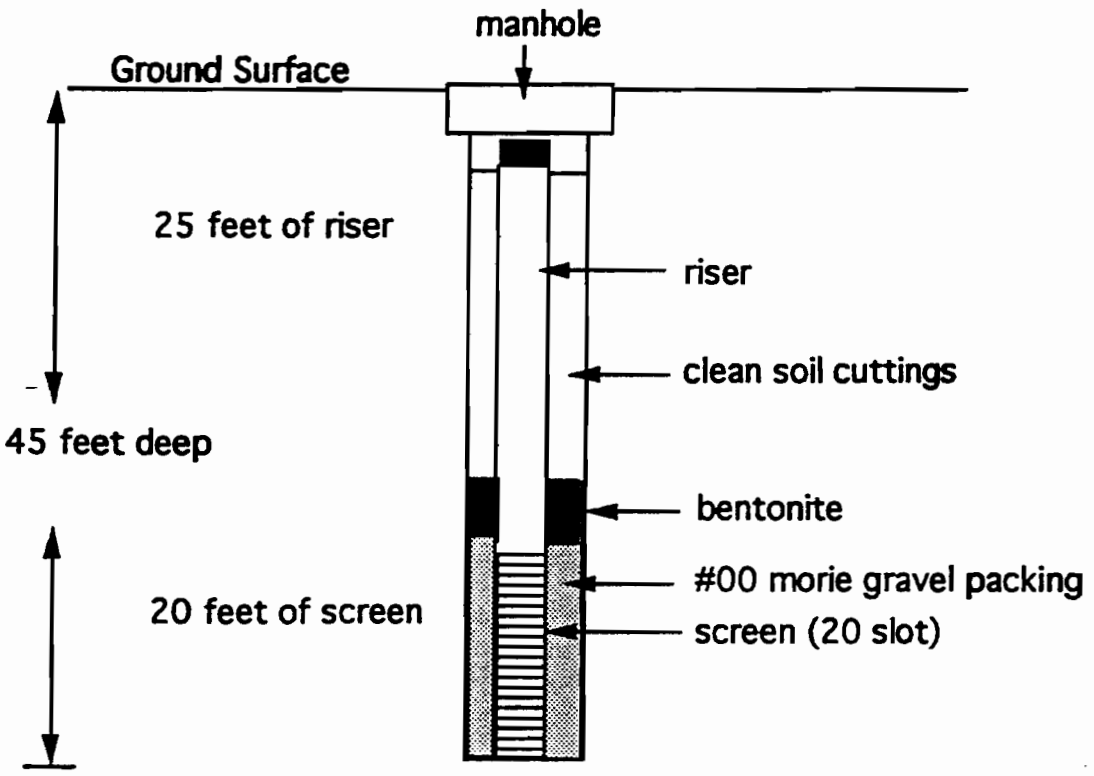
Maurice J. Osman
Chief Chemist

MJO:sm

c: Richard Cotugno, NCDPW

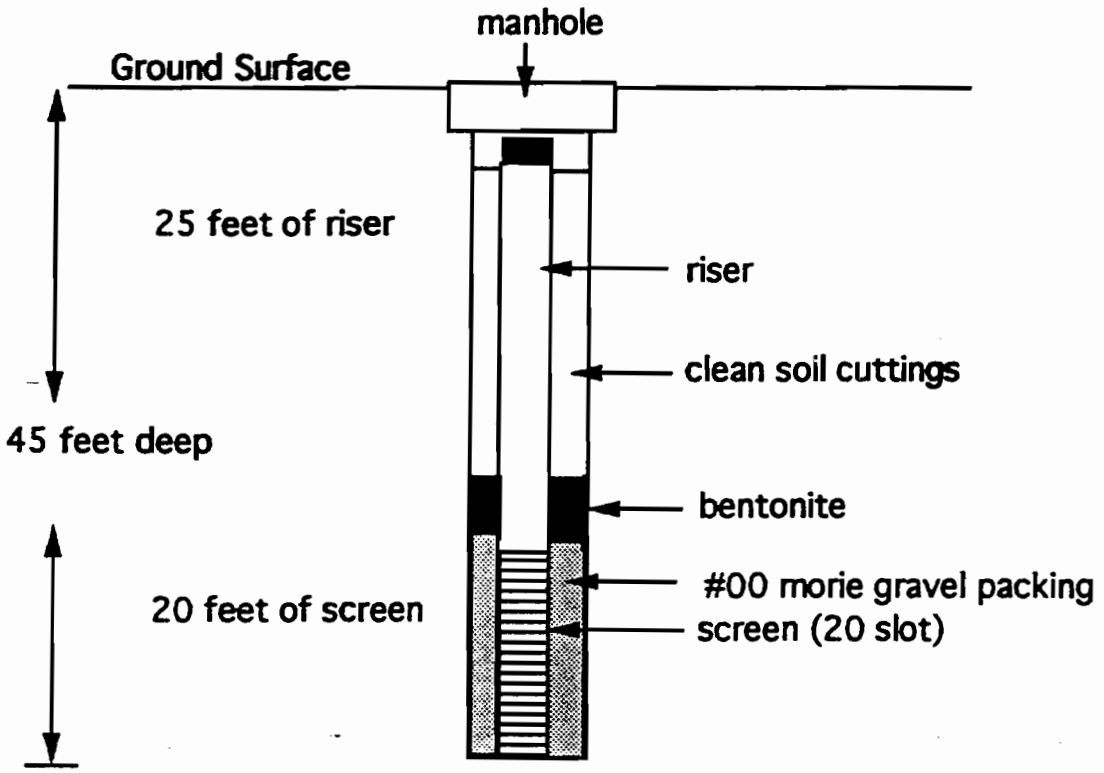
Appendix 4

Well Construction Logs



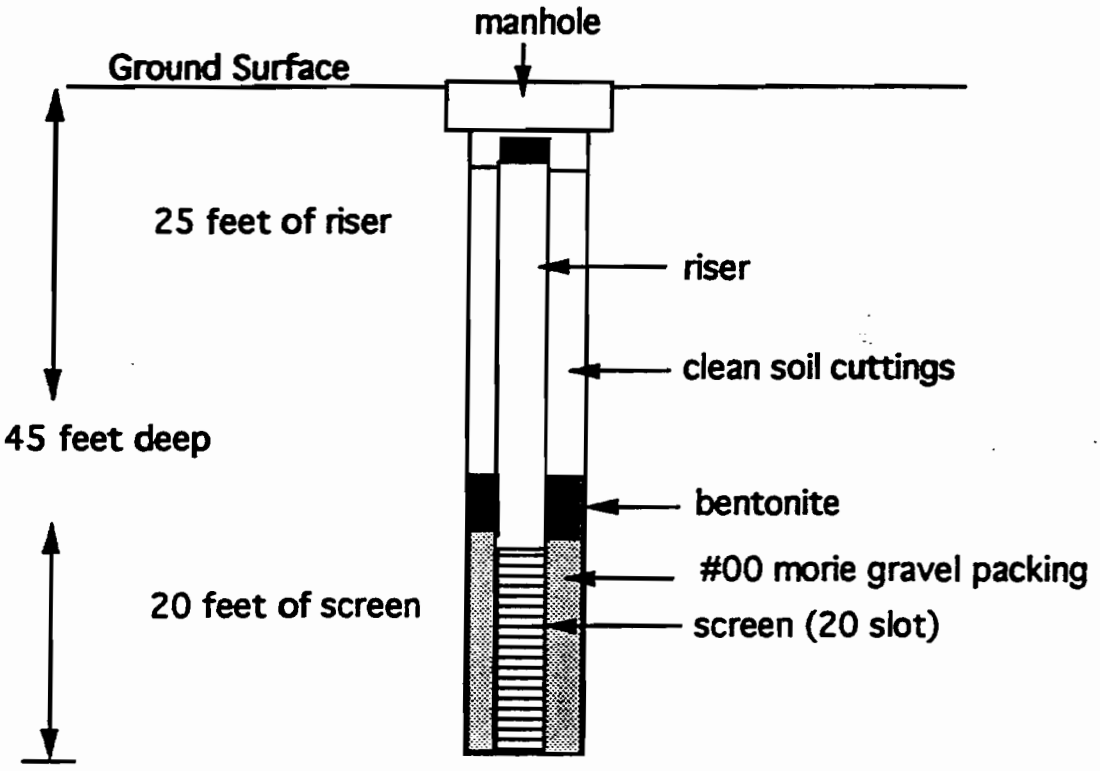
Monitoring Well MW-1 Construction Diagram
Westbury Valet Cleaners
123 Post Avenue
Westbury, New York

Anson Environmental Ltd.



Monitoring Well MW-2 Construction Diagram
Westbury Valet Cleaners
123 Post Avenue
Westbury, New York

Anson Environmental Ltd.



Monitoring Well MW-3 Construction Diagram
Westbury Valet Cleaners
123 Post Avenue
Westbury, New York

Anson Environmental Ltd.