PRELIMINARY REMEDIAL INVESTIGATION REPORT

FORMER PENETREX PROCESSING FACILITY
SHORE ROAD
GLENWOOD LANDING, NEW YORK
SITE # 1-30-034

Prepared for:
The New York State Department of Environmental Conservation
Division of Environmental Remediation
Albany, New York

On behalf of:
Sive, Paget & Riesel, P.C.
New York, New York

Project No.: PEN0001

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August 8, 2002

Ms. Champanine Saviengvong
New York State Department of
Environmental Conservation
Division of Environmental Remediation
50 Wolf Road
Albany, New York

Re: Former Penetrex Processing, Inc.
Glen Head, New York
Site No. 1-30-034

Dear Ms. Saviengvong:

P.W. Grosser Consulting Engineer & Hydrogeologist (PWGC) has prepared this Preliminary Remedial Investigation Report (RIR) with regard to the above referenced site. The work described in this report was conducted in accordance with PWGC's March 21, 2000 Work Plan, December 8, 2000 letter and subsequent comments from the New York State Department of Health. The report has been finalized based on the New York State Department of Environmental Conservation's (NYSDEC's) April 23, 2002 2002 comment letter, PWGC's May 16, 2002 response letter and the July 22, 2002 conference call between the NYSDEC and PWGC.

Please call if you have any questions.

Very truly yours,
PWGC

James P. Rhodes, C.P.G. for
Senior Hydrogeologist

cc: J. Crua, NYSDOH
W. Parrish, NYSDEC
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1.0 INTRODUCTION AND OBJECTIVES

This remedial investigation (RI) report has been prepared by P.W. Grosser Consulting Engineer and Hydrogeologist, P.C. (PWGC) to describe and document the work performed at the former Penetrex Processing Inc. facility (the Site). The site is currently listed on the New York State Department of Environmental Conservation (NYSDEC) Registry as a Class II Inactive Hazardous Waste Disposal Site. Given the potential for impacted soils to still exist in on-site leaching structures, PWGC conducted a remedial investigation to obtain the additional information necessary to determine the need for, and potentially define and complete a remediation at the Site. The remedial investigation consisted of a file search (Town of North Hempstead Building Department), site reconnaissance, a soil boring program and the collection and analysis of soil and groundwater samples.

The objectives of the investigation were to determine if residually impacted soils exist within on-site leaching structures, and if so, to delineate the vertical extent of impact so that the soils can be characterized and, if warranted, remediated. In addition, the four existing on-site monitoring wells were sampled to determine the current groundwater quality beneath the Site. The objective of any soil remediation is to eliminate impacted soils that may be acting as a continuing source of dissolved volatile organic compounds (VOCs) in groundwater as determined through the monitoring well sampling.

1.1 Site Description

The subject site consists of an approximately one-acre parcel located on the east side of Shore Road (a.k.a. Glen Cove Roslyn Shore Road), in the Hamlet of Glenwood Landing, Town of North Hempstead, Nassau County, New York. The property is identified in Nassau County Tax maps as Section 20 - Block K - Lots 10 through 12 (See Figure 1). The property is improved with a two-story brick industrial building, asphalt parking, communications tower and other ancillary improvements.

The property is bounded to the west by Glen Cove Roslyn Shore Road and to the east by West Street (see Figure 2). The site is generally located north of Scudders Lane and is situated near and adjoining several major oil storage facilities, coastal terminals and a municipal power station near Hempstead Harbor. Glenwood Oil Terminal Corp. is located northwest, diagonally across the property.

1.2 Site History

A former dry cleaning business known as Penetrex Processing, Inc. (Penetrex) is reported to have operated at the site for several years prior to abandoning the facility in 1984. During its operation at the site, Penetrex is reported to have discharged dry cleaning chemicals to an on-site sanitary system and/or drywells at the property. A manufacturer of adhesive nameplates known as the Nameplate Corporation also formerly occupied the site.

In 1984, the Nassau County Department of Health (NCDH) sampled an on-site drywell associated with the former Penetrex facility (believed to be either DW-2 or DW-3, See Figure 2) and determined that constituents of dry-cleaning solvents (e.g. trichloroethene and tetrachloroethene - a.k.a. perchloroethylene (PCE)) were present in soils at the base of the structure. The impacted drywell was subsequently remediated in 1985 under a summary abatement order, completed by K&W Associates (property owner).

Additional testing and site characterization, which included the installation of six (6) soil borings and four (4) monitoring wells, soil and groundwater sampling, and air monitoring, were performed at the property in 1989 and 1990 by Blasland and Bouck Engineers under purview of the New York State Department of Conservation (NYSDEC) as part of a PRP (potentially responsible party) Study.

In 1993, Lawler, Matusky and Skelly Engineers (LMS) installed two additional monitoring wells at the site (at the direction of the NYSDEC) and performed additional groundwater sampling at the facility in an effort to confirm the direction of groundwater flow underlying the property and the extent of dissolved VOCs in on-site groundwater. LMS had concluded in their 1993

NYSDEC Inactive Hazardous Waste Site (IHWS) report for the Penetrex Processing site that "an ongoing discharge or continued release from residual waste in the soils . . . from several contaminant source locations on the site . . . appear to remain as a continuing source of groundwater contamination."

To date, the former Penetrex site is listed as a NYSDEC IHWS facility identified as I.D. No.130034. Portions of the two-story building at the property are currently occupied by an autobody shop and woodworking shop.

1.3 Hydrogeologic Setting

The hydrogeologic setting of Long Island is well documented and consists of bedrock basement composed of schist and gneiss, which is overlain by a series of unconsolidated deposits. The surface of the bedrock beneath the Site occurs at an approximate depth of 475 feet below land surface (Kilburn & Krulikas, 1980). Due to its dense crystalline nature, there is little or no groundwater flow in the bedrock.

Immediately overlying the bedrock is the Raritan Formation, consisting of the Lloyd aquifer confined by the Raritan Clay Member. The depth to the top of the Lloyd aquifer at the Site is approximately 350 feet below land surface (Kilburn & Krulikas, 1980). The Raritan Clay occurs at approximately 300 feet below land surface. Therefore, the corresponding thicknesses of these units are 125 feet and 50 feet, respectively. The Raritan Clay, overlying the Lloyd is an extremely effective confining unit and hydraulically isolates the Lloyd aquifer from overlying aquifers.

Typically, above the Raritan Clay lies the Magothy Aquifer. However, based on Kilburn & Krulikas, 1980, it appears that the Magothy has been removed in the vicinity of the Site through glacial scouring. Replacing the Magothy is the Port Washington aquifer and Port Washington Confining Unit. The depth to the Port Washington aquifer is approximately 150 feet below land surface and the aquifer is about 150 feet thick. The Port Washington Confining Unit, which

confines the groundwater in underlying aquifers, occurs at 100 feet below land surface and is approximately 50 feet thick beneath the Site.

The Upper Glacial Aquifer overlies the Port Washington Confining Unit. The Upper Glacial Aquifer is the water table aquifer and exists from land surface to a depth of approximately 100 feet, in the vicinity of the Site. The water table ranges from 10 to 20 feet below land surface. The groundwater quality results in relation to the Site represent shallow groundwater conditions in this aquifer.

1.4 Groundwater Flow and Elevation

A review of the Nassau County Water Table Elevation Map, NCDPW, 1998, indicates that the regional direction of groundwater flow in the Upper Glacial Aquifer in the vicinity of the Penetrex site is westerly towards Hempstead Harbor. Groundwater contour mapping performed by LMS Engineers in 1992/1993 indicates that groundwater flow underlying the site is in a west/ northwesterly direction.

A comparison of topographic and water table mapping data indicates the depth to groundwater at the Penetrex site ranges from an estimated 5± feet below grade surface (bgs) at the property's western boundary near Glen Cove Roslyn Shore Road to 15± feet bgs at the property's eastern boundary near West Street. Groundwater elevations performed by LMS Engineers confirmed groundwater elevations at the site ranged from 7.5 feet bgs near the western portion of the property to nearly 11 feet bgs at an easterly portion of the site. It is also notable in LMS reporting that groundwater elevation at the western portion of the site is tidally influenced by one (1) foot.

2.0 REMEDIAL INVESTIGATION

2.1 Building Department File Review

Prior to initiating field work, PWGC conducted a review of the Town of North Hempstead Building Department (NHBD) records for the Site. The objective of the file review was to determine if there are additional overflow pools, floor drains, or other leaching structures, which may have received improper discharges that have not been previously identified.

PWGC obtained three survey maps of the property, a Plot Plan from 1955, a Property Survey from June 1980, and a location detail dated May 2000. The 1955 plan depicts the location of the proposed building (original construction) at the northeast corner of the property. The plan also depicts the proposed sanitary system, located on the south side of the building (southwest corner) and the location of the proposed underground heating oil tank, south side of the building, east of the sanitary system. The building is shown as a one-story structure and is 118 feet long (east-west) by 50 feet wide (north-south). The proposed sanitary system consisted of a covered access pit, a septic tank and two leaching pools.

Figure 4.1 included in Lawler, Matusky & Skelly's (LMS's) Engineering Investigations at Inactive Hazardous Waste Sites – Phase II Investigation Report for the Penetrex site, March 1993, prepared on behalf of the NYSDEC, as explained later, incorrectly, indicates that the west sanitary system is located at the southwest corner of the south extension and not the original building a shown on the 1955 NHBD map. The correct location of the sanitary system was confirmed during the site reconnaissance (See Section 2.2 below).

The 1980 survey shows the property generally as it appears today. Two additions, south and east of original building have been constructed. The east addition is a two-story brick structure and is 47 feet long by 50 feet wide. The south addition is a one-story brick structure, is 89 feet long and 50 feet wide and is flush with the east wall of the original building. A 2.5-story residential building is also shown on the southwestern portion of the property. No sanitary pools, floor

drains or storm drains are shown on the survey. However, if the proposed sanitary system (original building) was installed as depicted on the 1955 map, then the one leaching pool would be located beneath the southwestern portion of the south extension.

The 2000 location detail was prepared by The Sear-Brown Group with regard to the construction of the cellular telephone tower on the south side of the building. No sanitary pools, floor drains or storm drains are shown on the plan.

Copies of the NCBD maps are included in Appendix A.

2.2 Site Reconnaissance

Following review of the building department records, site reconnaissance was preformed Wednesday, November 7, 2001 to field verify the condition of the existing structures and to attempt to locate the sanitary system structures identified on the 1955 building plan. An active sanitary system associated with the original building was identified on the west side of the building (southwest corner of original building). The location of this system corresponds to the location of the system depicted on the 1955 NHBD map, which indicates that the location of the system depicted on the LMS map is incorrect. The system consists of a distribution box and septic tank. The tank is approximately three feet wide by six feet long with a concrete cover exposed at grade. Due to the weight of the concrete cover and limited equipment access to this area, the cover could not be removed for inspection of the structure.

PWGC accessed the eight-inch diameter, green PVC vent pipe located west of the septic tank using a hand auger and determined that sediments were present at a depth of twenty-one feet below grade. Therefore, this pipe is a clean out located above a sanitary leaching pool. The presence and location of additional pools could not be determined.

A dye test was performed to determine the source of wastes received by this system. The dye test confirmed that this system receives sanitary wastes from the restroom located immediately to the east of the septic tank, inside the original portion of the building, formerly occupied by the

Nameplate Corporation. Sampling and analysis of these sediments accessible through the vent pipe were incorporated into the field investigation. Additional dye testing of the three restrooms in the western portion of the building was conducted on May 22, 2002. It was determined that the north restroom discharged to the septic tank and then to the distribution box. The remaining two restrooms discharge directly to the distribution box. Four pipes enter/exit the distribution box; one from the septic tank, one from the restrooms, one to the accessible 'primary' leaching pool (sampled by PWGC), and one that leads to a potential secondary overflow pool located to the east, underneath the southwestern portion of the building. Based on the elevations of the two discharge pipes in the distribution box and field observations it was determined that the accessible leaching pool was the primary pool and received all of the observable discharges from the distribution box during the dye testing/inspection.

Sanitary leaching pool DW-5, located south of the east extension, has historically been depicted as the sanitary system, which received sanitary wastes from the former Penetrex facility. This portion of the building is currently occupied by an autobody repair shop. PWGC performed a dye test, which confirmed that sanitary wastes from the autobody shop restrooms and the bathroom on the second floor (above the autobody shop) discharge to DW-5. A visual inspection of DW-5 did not indicate the existence of overflow pools.

Two additional sanitary leaching pools (DW-6 and DW-7) were identified during the site reconnaissance. These structures, which are located at the southeast corner of the parking lot, near the former drum storage area, had not been depicted on previous site plans. Visual inspection of the leaching pools (location of internal inlet and discharge piping) suggest that these structures are primary and secondary leaching pools associated with the residential building, located to the east. PWGC conducted a dye test, which confirmed that sanitary wastes from the residence discharge to DW-6. Based on the source of wastes to these two structures, DW-6 and DW-7 were excluded as potential sources of chlorinated solvents previously identified at the site.

PWGC inspected the interior of the former Penetrex (currently Symmetrics Auto Body Shop) facility for evidence of floor drains. No evidence of current or former floor drains was observed.

2.3 Soil Boring Investigation

Five leaching pool (storm drain and sanitary pool) structures identified as DW-1 through DW-5 are located on the property. The locations of the leaching pools are shown on Figure 2. Previous investigations conducted at the site have documented that at least one of these structures (assumed to be either DW-2 or DW-3) received improper discharges of chlorinated solvents related to industrial activities at the former Penetrex facility. This structure was cleaned out under a summary abatement order in 1985.

On November 14 and 15, 2001, PWGC conducted a subsurface investigation at the site in accordance with the approved RI/FS Workplan to identify the distribution and concentration of residual contamination (if any) within the leaching structures. The investigation consisted of drilling a total of five vertical profile soil borings (SB-1 through SB-5), one through each of the leaching structures, and collecting three soil samples from each boring for laboratory analysis. In addition, one soil boring (SB-6) was drilled in the vicinity of the former drum storage area at the southeast corner of the lower parking area (see Figure 2). This boring was added to address NYSDOH comments to the Workplan and functioned to determine if any contamination was present due to the alleged drum storage area or discharges to the residential septic system.

The soil borings were drilled by Trade-Winds Environmental Restoration, Inc. (Trade-Winds) of Bay Shore, New York using an ATV-mounted Earthprobe™ under PWGC's oversight. The Earthprobe™ uses direct push technology to drive a hollow stainless steel sampler to the desired depth for soil sample collection. At the predetermined depth, the sampler is opened to allow an undisturbed soil sample to enter as the rods are driven deeper into the subsurface. The sampler is lined with an acetate liner to preserve sample integrity and prevent cross contamination. Sampling interval and volume is dependant on the type of sampler used, Large Bore Sampler (2-foot long by 1½-inches in diameter) or MacroCore (4-feet long by 2-inches in diameter).

At each boring location soil samples were collected continuously from grade (top of sediment within the leaching structures) to a minimum depth of five feet below groundwater. The borings were advanced to a depth of five feet below groundwater. Groundwater was encountered at approximately eight feet to nineteen feet below grade across the site (shallower to the west). Soil samples were visually characterized by a PWGC hydrogeologist and field screened for the presence of volatile organic compounds (VOCs) using a Hnu Model 101 photoionization detector (PID). Boring logs are included in Appendix B.

Following the screening, each sample was placed in a re-sealable plastic bags pending collection for laboratory analysis. Prior to the collection of each sample, non-disposable sampling equipment was cleaned using a distilled water and Alconox detergent wash and a distilled water rinse prior to the collection of each sample, in accordance with the procedures specified in the Workplan.

PWGC had initially proposed to submit two soil samples from each boring for laboratory analysis, one sample considered to represent the greatest concentration of contamination (based on PID readings and physical observation) and the one considered to clean, thereby bracketing the vertical extent of soil impact. However, the Workplan was subsequently modified at the request of the NYSDEC so that one sample from each five-foot interval was submitted for analysis. This resulted in the submittal of three soil samples from each boring for analysis. Soil samples from each interval were selected based on PID response and visible evidence of contamination. Where possible the samples from the lowest 5-foot interval were chosen to represent the "cleanest" soil, with the intent of delineating the vertical extent of VOCs, to be used as an endpoint sample and the target depth of remediation, if appropriate. The samples chosen for laboratory analysis are summarized below:

SB-1 (8'-10')	SB-2 (2'-4')	SB-3 (2'-4')
SB-1 (12.5' - 14.5')	SB-2 (6'-8')	SB-3 (8'-10')
SB-1 (19'-21')	SB-2 (12'-14')	SB-3 (12'-14')

SB-4 (11'-13')	SB-5 (14'-18')	SB-6 (10'-11')
SB-4 (13'-17')	SB-5 (18'-22')	SB-6 (12'-13')
SB-4 (17'-21')	SB-5 (25'-26')	SB-6 (15'-16')

The samples were submitted to Ecotest Laboratories, North Babylon, New York (NYSDOH ID #10320) for analysis of volatile organic compounds (VOCs) - Target Compound List (TCL) by USEPA Method 8260. In addition, samples collected from the "worst case" boring location as determined by PID response and visual observation were to be analyzed for total RCRA (eight) metals to confirm that metals are not a concern at the Site. Soil samples obtained from DW-5 exhibited the worst case conditions as recorded with the PID meter. However, PWGC requested a change in the scope of RI/FS to sample the second most impacted boring location (DW-1) for 8 RCRA Metals. This change was requested because DW-5 is an active sanitary pool connected to the auto body shop and the presence of metals in the structure may be related to the sanitary discharge and not indicative of discharges from the former Penetrex facility. The NYSDEC's on-site representative obtained and granted approval for the scope of work change. The November 30, 2001 letter from the NYSDEC provided written authorization for this change.

Quality control was conducted in accordance with the RI/FS Work Plan. Split samples were collected from each of the six borings, except for SB-1 (drilled through DW-1) by the NYSDEC. Samples collected by the NYSDEC were analyzed for VOCs and metals by a State contracted laboratory.

2.3.1 West Sanitary System Sampling

The file review and site reconnaissance identified the presence of a sanitary system located on the west side of the building (original building). The system consists of a distribution box, septic tank, and cesspool. An additional pipe leading from the distribution box indicates that a second sanitary leaching pool may exist east of the distribution box, underneath the southwestern portion of the building.

During the site reconnaissance, PWGC accessed the eight-inch diameter; green PVC vent pipe for the cesspool located west of the septic tank using a hand auger and determined that sediments were present at a depth of twenty-one feet below grade. On November 15, 2001 PWGC collected a sediment sample (A-1) from the vent pipe using a stainless steel hand auger. The sample was visually characterized by a PWGC hydrogeologist and field screened for the presence of volatile organic compounds (VOCs) using a Hnu Model 101 photoionization detector (PID). Following screening the sample was placed directly into pre-clean laboratory supplied glassware and submitted to Ecotest Laboratories) for analysis of volatile organic compounds TCL - VOCs by USEPA Method 8260.

Prior to the collection of the sample, non-disposable sampling equipment (i.e. hand auger) was cleaned using a distilled water and Alconox detergent wash and a distilled water rinse prior, in accordance with the procedures specified in the Workplan.

2.3.2 Soil Sampling QA/QC

One field blank and one trip blank were collected during the soil boring program. The field blank was prepared by pouring laboratory-supplied deionized water over an acetate liner and decontaminated sampling rod and collecting the rinsate directly into laboratory-supplied containers. The field blank was analyzed for TCL VOCs to document the effectiveness of the decontamination procedures. One laboratory-prepared trip blank accompanied the sample containers, from the time of shipment from the laboratory until analysis. The trip blank sample was also analyzed for TCL VOCs. Upon collection, the samples were placed in re-sealable plastic bags and placed in a cooler packed with ice, pending analysis. Following the completion of each boring, a determination of which samples were to be submitted for laboratory analysis was made. The samples were then transferred directly into laboratory-supplied containers, properly identified, and placed in coolers packed with ice in coolers, and hand delivered under full chain-of-custody procedures to the laboratory.

2.3.3 Analytical Results

Analytical results were compared to the Recommended Soil Cleanup Objectives (RSCOs) as specified in the NYSDEC's Technical and Administrative Guidance Memorandum (TAGM) 4046. The sections below describe each of soil boring locations, the associated underground injection well UIW/suspected source area and analytical results for soil samples collected from each boring. Analytical results are summarized on Tables 1 and 2 and the laboratory report is included in Appendix D.

2.3.3.1 DW-1

This structure is located in the south center portion of the of the northern parking area, south of the former Penetrex building (east extension). The structure is a storm drain constructed of standard eight-foot diameter pre-cast concrete leaching rings and a grated steel cover at grade. The drain was approximately eight feet deep (depth below grade) and no liquid was present in the structure at the time of sampling. Soil boring SB-1 was drilled through this structure with soil samples collected from the base of the drain (eight feet below grade) to a depth of twenty-three feet. Groundwater was encountered at approximately eighteen feet below grade.

Three samples SB-1 (8'-10'), SB-1 (12.5'-14.5') and SB-1 (19'-21') were submitted for analysis of VOCs and RCRA metals. Analytical results indicate that PCE was detected in samples SB-1 (8'-10') (250 ug/kg) and SB-1 (12.5'-14.5') (94 ug/kg) at concentrations below the RSCO. PCE was not detected in sample SB-1 (19'-21'). These results indicate that low levels of PCE are present is soils within the drain and that PCE concentrations decline with depth to below detectable levels.

Arsenic, barium, cadmium, lead and mercury were detected in sample SB-1 (8'-10'), but at concentrations well below their respective RSCOs. Several of these metals were also detected in samples SB-1 (12.5'-14.5') and SB-1 (19'-21') below their respective RSCOs and at decreasing concentrations with depth.

2.3.3.2 DW-2

This structure is located in the north center portion of the southern parking area, south of the south extension. The structure is a storm drain, which has been completely backfilled with sand (several inches below grade) and has a grated steel cover at grade. Soil boring SB-2 was drilled through this structure with soil samples collected from grade to a depth of fourteen feet. Groundwater was encountered at approximately ten feet below grade.

Three samples SB-2 (2'-4'), SB-2 (6'-8') and SB-2 (12'-14') were submitted for analysis of VOCs. Analytical results indicate that PCE (92 ug/kg), toluene (14 ug/kg) and TCE (5 ug/kg) were detected in sample SB-2 (2'-4') at concentrations below their respective RSCOs. PCE was also detected in sample SB-2 (6'-8') (7 ug/kg) at a concentration below the RSCO. Acetone (140 ug/kg) was detected in sample SB-2 (12'-14') at a concentration below the RSCO.

These results indicate that low levels of PCE are present is soils within the drain and that PCE concentrations decline with depth to below detectable levels. Because acetone is not a contaminant of concern at the site, is a common laboratory contaminant, has only been detected historically at estimated concentrations or in QA/QC samples, and was not detected in groundwater at the site, PWGC believes that acetone detected in SB-2 is related to laboratory contamination and not a result of current/former site operations.

2.3.3.3 DW-3

This structure is located in the center portion of the southern parking area, south of the south extension. The structure is a storm drain, which has been backfilled with sand (several inches below grade) and has a grated steel cover at grade. Soil boring SB-3 was drilled through this structure with soil samples collected from grade to a depth of fourteen feet. Groundwater was encountered at approximately ten feet below grade.

Three samples SB-3 (2'-4'), SB-3 (8'-10') and SB-3 (12'-14') were submitted for analysis of VOCs. Analytical results indicate that PCE was detected in each of the three samples at concentrations of 16 ug/kg, 59 ug/kg and 29 ug/kg, respectively, below the RSCOs. Acetone

(170 ug/kg), 1,2-dichloroethene (27 ug/kg), toluene (51 ug/kg), and xylene (39 ug/kg) were detected in sample SB-3 (8'-10'), but at concentrations below their respective RSCO. The presence of these compounds at a depth presumably representative of the bottom of the structure prior to backfilling, indicate this structure may have received some improper discharges, as evidenced by the presence of PCE and its breakdown product 1,2-DCE. However, the presence of toluene and xylene are indicative of contamination associated with the presence of automotive fluids in storm water run-off, common in parking areas, were the structure is located. In addition, the presence of these compounds in DW-3 and not in DW-2 would tend to confirm that the structure remediated in 1984, as per NCDH (thought to be either DW-2 or DW-3), was DW-2.

These results indicate that low levels of PCE are present in soils within and below the drain (below the water table), but that PCE concentrations decline with depth. Because acetone is not a contaminant of concern at the site, is a common laboratory contaminant, has only been detected historically at estimated concentrations or in QA/QC samples, and was not detected in groundwater at the site, PWGC believes that acetone detected in SB-2 is related to laboratory contamination and not a result of current/former site operations.

2.3.3.4 DW-4

This structure is located in the south center portion of the southern parking area, south of the former Penetrex building (east extension). The structure constructed of standard eight-foot diameter pre-cast concrete leaching rings. No inlet/discharge piping was observed in the structure and its use could not be confirmed. It is likely that this structure was formerly a storm drain. The drain was approximately eleven feet deep (depth below grade) with a few inches of standing liquid at base (around the perimeter) of the pool at the time of sampling. Soil boring SB-4 was drilled through this structure with soil samples collected from the base of the pool (eleven feet below grade) to a depth of twenty-one feet. Groundwater is estimated to be approximately ten feet below grade in this area.

Three samples SB-4 (11'-13'), SB-4 (13'-17') and SB-4 (17'-21') were submitted for analysis of VOCs. Analytical results indicate that no VOCs were detected in the three samples analyzed.

2.3.3.5 DW-5

This structure is located in the southeastern portion of the northern parking area, south of the former Penetrex building (east extension). The structure is a sanitary leaching pool constructed of standard eight-foot diameter pre-cast concrete leaching rings and a solid steel cover at grade. The pool, which formerly serviced the Penetrex facility, currently serves an active autobody repair shop. The structure was approximately fourteen feet deep (depth below grade) and several feet of liquid were present in the structure at the time of sampling. Soil boring SB-5 was drilled through this structure with soil samples collected from the base of the pool (fourteen feet below grade) to a depth of twenty-six feet. Groundwater is estimated to be approximately eighteen feet below grade in this area. No piping other than the inlet was observed in this structure.

Three samples SB-5 (14'-18'), SB-5 (18'-22') and SB-5 (25'-26') were submitted for analysis of VOCs. Analytical results indicate that PCE (29 ug/kg) was detected in sample SB-5 (25'-26') at a concentration below the RSCO. The presence of PCE in sample SB-5 (25'-26'), collected below the water table, likely represents residual contamination resulting from former impacts to this structure. PID readings collected from this boring were consistently elevated with depth, but showed a sharp decrease at the 25 foot depth. Therefore, the 25' to 26' interval was submitted for analysis to represent improving conditions. TCE (6 ug/kg) and 1,2-Dichloroethene (1,2-DCE) (42 ug/kg) were detected in sample SB-5 (18'-22') at concentrations below their respective RSCOs. Toluene (51 ug/kg), ethylbenzene (18 ug/kg) and xylene (83 ug/kg) were detected in sample SB-5 (14'-18'), but at concentrations below their respective RSCOs. These compounds, typically associated with parking lot runoff, are not associated with the former Penetrex operations.

2.3.3.6 Former Drum Storage Area

Boring SB-6 was drilled through the former Penetrex drum storage area (as shown on the map included in the LMS report) located at the southeastern corner of the southern parking area and

the immediate vicinity of the residential septic system. SB-6 was drilled from grade to a depth of sixteen feet. Groundwater was encountered at approximately eleven feet below grade. No PID readings were measured for soils from zero to ten feet below grade. A PID reading of 2.0 ppm was measured in soils collected from approximately 12 feet below grade, directly below the water table. No PID readings were measured for soils collected from 12 to 16 feet below grade, where the boring was terminated. PID readings are summarized on the boring log forms included in Appendix B.

Three samples SB-6 (10'-11'), SB-6 (11'-12') and SB-1 (15'-16') were submitted for analysis of VOCs. Analytical results indicate that no VOCs were detected in the three samples analyzed.

2.3.3.7 West Sanitary System

PWGC collected a soil sample (A-1) through the green PVC cesspool vent pipe located west of the septic tank. The sample was obtained from the upper foot of sediments below the pipe at a depth of 21 to 22 feet below grade.

Analytical results for the sample (A-1) indicate that PCE and degradation products were not detected in this system. Xylene (3,800 ug/kg) was detected at a concentration above the RSCO (1,200 ug/kg). Toluene (1,000 ug/kg) and ethylbenzene (800 ug/l) were also detected, but at concentrations below their respective RSCOs. The presence of these compounds is not attributable to operations of the former Penetrex facility.

2.3.4 Data Usability

PWGC reviewed the Laboratory QC Summary Package for the sample batch(s) in which the project samples are included, so that an appropriate data usability summary could be prepared.

This usability section pertains to the analytical results, submitted by Ecotest Laboratories (Ecotest), for the field sampling investigation conducted by PWGC during November, 2001 at the former Penetrex Processing, Inc. site. The analytical results submitted by Ecotest were reviewed and the analytical results assessed against the project data quality objectives (DQOs) in

the preparation of this report. Overall the data submitted by Ecotest met the project DQOs and are usable to determine the presence, absence, and magnitude of environmental contamination in the samples collected from the Site.

A total of nineteen soil samples and two aqueous samples (field blank and trip blank) were collected and analyzed for VOCs by EPA Method 8260. In addition, three of the nineteen soil samples were also analyzed for RCRA (eight) metals. All of the analyses were conducted in accordance with the most recent version of the SW-846 methodologies. In addition, the absence of VOCs in the field blank and trip blank samples indicate that cross contamination of the samples related to improper equipment decontamination and/or handling did not occur.

2.4 Groundwater Sampling

On November 11, 2001, PWGC conducted well gauging and collected groundwater from the four existing on-site monitoring wells (PX-MW-1 through PX-MW-4). Depth to water and total depth measurements were obtained from each well using a Solinst Model 101 water level meter accurate to 0.01 foot. Depth to water measurements and well elevations were used to calculate groundwater flow direction beneath the site. The calculated groundwater flow direction is to the northwest across the site, which is consistent with flow directions calculated during previous investigations. A groundwater flow map is shown on Figure 4.

Prior to sampling, each well was purged a minimum of three casing volumes of water using a submersible pump with the flow rate set at less than five gallons per minute. Non-disposable sampling equipment (i.e. water level meter and pump) was cleaned using a distilled water and Alconox detergent wash followed by a distilled water rinse prior to purging each well. Temperature, pH, and conductivity measurements were collected and recorded after the removal of each casing volume. Well purge water was placed into two 55-gallon drums, which were staged on-site pending proper disposal. Groundwater samples were collected using dedicated, disposable polyethylene bailers secured with polyethylene rope. Well sampling logs are included in Appendix C.

Upon collection, the samples were poured directly from the bailer into pre-cleaned laboratory-supplied bottles, and placed in a cooler packed with ice for transport to the laboratory. Samples were submitted to Ecotest Laboratories, North Babylon, New York (NYSDOH ID #10320) for analysis of volatile organic compounds (VOCs) - Target Compound List (TCL) by USEPA Method 8260. Split samples were collected from MW-4 by the NYSDEC. The samples collected by the NYSDEC were analyzed for VOCs by a State contracted laboratory.

2.4.1 Groundwater Sampling QA/QC

One field blank and one trip blank were collected during the groundwater sampling event. The field blank was prepared by pouring laboratory-supplied deionized water into a new bailer and then transferring the water directly into a laboratory-supplied container. The field blank was analyzed for TCL VOCs to document the effectiveness of the decontamination procedures. One laboratory-prepared trip blank accompanied the sample containers, from the time of shipment from the laboratory until analysis. The trip blank sample was also analyzed for TCL VOCs.

2.4.2 Analytical Results

Analytical results were compared to the NYSDEC Class GA Groundwater Standards as specified in the NYSDEC's (TOGS) 1.1.1, June 1998. Notwithstanding that groundwater beneath the site is not used for potable purposes. Class GA Standards are designed to be protective of groundwater used as a source of drinking water. PCE was detected in each of the four groundwater samples (MW-1 through MW-4) at concentrations above the groundwater standard of 5 ug/L. PCE concentrations ranged from 11 ug/L in MW-3 to 100 ug/L in MW-1. TCE was detected in samples MW-3 (7 ug/L) and MW-4 (9 ug/L) at concentrations slightly above the groundwater standard of 5 ug/L. TCE was also detected in samples MW-1 and MW-2, but at concentrations below the groundwater standard. 1,2-DCE was detected in samples MW-2 (11 ug/L) and MW-3 (97 ug/L) at concentrations above the groundwater standard of 5 ug/L. 1,2-DCE was also detected in sample MW-4 at a concentration below the groundwater standard. Vinyl chloride was detected in sample MW-3 (5 ug/L) at a concentration slightly above the 2 ug/L groundwater standard. Analytical results are summarized on Table 3 and Figure 3. The laboratory report is included in Appendix D.

2.4.3 Data Usability

PWGC reviewed the Laboratory QC Summary Package for the sample batch(s) in which the project samples are included, so that an appropriate data usability summary could be prepared.

This usability section pertains to the analytical results, submitted by Ecotest Laboratories (Ecotest), for the field sampling investigation conducted by PWGC during November, 2001 at the former Penetrex Processing, Inc. site. The analytical results submitted by Ecotest were reviewed and the analytical results assessed against the project data quality objectives (DQOs) in the preparation of this report. Overall the data submitted by Ecotest met the project DQOs and are usable, to determine the presence, absence, and magnitude of environmental contamination in the samples collected from the Site.

A total of four groundwater samples and two aqueous samples (field blank and trip blank) were collected and analyzed for VOCs by EPA Method 8260. All of the analyses were conducted in accordance with the most recent version of the SW-846 methodologies. In addition, the absence of VOCs in the field blank and trip blank samples indicate that cross contamination of the samples related to improper equipment decontamination and/or handling did not occur.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 NHBD File Search and Site Reconnaissance

PWGC obtained a 1955 Plot Plan of the property from the NHBD. The plan depicted the location of the proposed building (original construction) at the northeast corner of the property and a proposed sanitary system, located on the south side of the building (southwest corner). The proposed sanitary system consisted of a covered access pit, a septic tank and two leaching pools.

Site reconnaissance was preformed to verify the location the sanitary system structures identified on the 1955 building plan. An active sanitary system associated with the original building was identified on the west side of the building (southwest corner of original building), which corresponds to the location of the system depicted on the 1955 NHBD map. Based on these data the location of the sanitary system depicted on the LMS map (March 1993) is incorrect.

The system consists of a distribution box, septic tank and at least one leaching pool. The leaching pool is located beneath an eight-inch diameter, green PVC vent pipe located west of the septic tank. Sampling of this structure was incorporated into the scope of this investigation.

A dye test confirmed that this system receives sanitary wastes from the restroom located immediately to the east of the septic tank, inside the original portion of the building, formerly occupied by the Nameplate Corporation. The remaining two restrooms discharge directly to the distribution box. Four pipes enter/exit the distribution box; one from the septic tank, one from the restrooms, one to the accessible 'primary' leaching pool (sampled by PWGC), and one that leads to a potential secondary overflow pool located to the east, underneath the southwestern portion of the building. Based on the elevations of the two discharge pipes in the distribution box and field observations it was determined that the accessible leaching pool was the primary pool and received all of the observable discharges from the distribution box during the dye testing/inspection.

Two additional sanitary leaching pools (DW-6 and DW-7) were identified during the site reconnaissance. These structures are located at the southeast corner of the parking lot, near the former drum storage area and had not been depicted on previous site plans. Visual inspection of the leaching pools (location of internal inlet and discharge piping) suggested that these structures are primary and secondary leaching pools associated with the residential building, located to the east. A dye test confirmed that sanitary wastes from the residential building discharge to DW-6 and that DW-6 overflows to DW-7. Based on the source of wastes to these two structures, DW-6 and DW-7 were excluded as potential sources of chlorinated solvents previously identified at the site. Samples of soil and groundwater in the immediate vicinity of these pools indicated no contaminants of concern.

A dye test was also conducted which confirmed that sanitary wastes from the autobody shop restrooms (former Penetrex facility) and the restroom on the 2nd floor, above the autobody shop, discharge to DW-5. A visual inspection of DW-5 did not indicate the existence of overflow pools.

3.2 Previously Identified Sanitary Leaching Pools and Storm Drains

Tetrachloroethene (PCE) was detected in samples collected from borings SB-1, SB-2, SB-3 and SB-5, but at concentrations below the RSCO. PCE concentrations, with the exception of SB-5 (29 ug/kg) decreased with depth to non-detectable levels. However, it is important to note that sample SB-5 (25'-26') was collected below the water table were contaminants concentrations may be more indicative of groundwater conditions.

PCE degradation compounds, TCE and 1,2-DCE were detected in samples collected from borings SB-2, SB-3 and SB-5 at concentrations below their respective RSCOs. Concentrations of these compounds, as with PCE, decreased with depth to non-detectable levels.

Toluene and xylene were detected in samples collected from borings SB-2, SB-3 and SB-5 and ethylbenzene was detected in a sample collected from boring SB-5, but at concentrations below

their respective RSCOs. These compounds are typically associated with parking lot runoff and not the former Penetrex facility.

The presence of toluene and xylene in sample SB-3 (8'-10') at a depth presumably representative of the bottom of the structure prior to backfilling, indicate this structure may have received storm water run-off. In addition, the presence of these compounds in DW-3 and not in DW-2 would tend to confirm that the structure remediated in 1984, as per NCDH (thought to be either DW-2 or DW-3), was DW-2.

Toluene in sample SB-2 (2'-4') is attributable to storm water run-off from the parking area as this structure was reportedly remediated and backfilled in 1984, after Penetrex left the site.

Acetone was detected in samples SB-2 12'-14' (140 ug/kg) and SB-3 8'-10' (170 ug/kg) at concentrations slightly below the RSCO of 200 ug/kg. Because acetone is not a contaminant of concern at the site, is a common laboratory contaminant, has only been detected historically at estimated concentrations or in QA/QC samples, and was not detected in groundwater at the site, PWGC believes that acetone detected in samples SB-2 and SB-3 is related to laboratory contamination and not a result of current/former site operations.

No metals were detected in any of the three samples analyzed at concentrations above their respective RSCOs. Metals should not be considered contaminants of concern at the site.

3.3 Former Drum Storage Areas

No VOCs were detected in the three soil samples collected/analyzed from boring SB-6, drilled in the former Drum Storage Area. This indicates that the former Drum Storage Area is not a source of chlorinated solvents detected at the site. PWGC recommends that no further investigation/remediation is warranted for this area.

3.4 West Sanitary System

Xylene (3,800 ug/kg) was detected in sample A-1 at a concentration above the RSCO (1,200 ug/kg). Toluene (1,000 ug/kg) and ethylbenzene (800 ug/l) were also detected at concentrations below their respective RSCOs. The presence of these compounds is not associated with the former Penetrex operations. However, the Nassau County Department of Health (NCDH) has indicated that remediation of this structure is required. As per our July 23, 2002 conference call with the NYSDEC, the remediation of this structure will be conducted under the oversight of the NCDH. PWCG will prepare a work plan for the remediation of this structure in accordance with the NCDH guidance documents for review and approval by the NCDH. The work plan, closure report and other documents associated with the remediation work will be forwarded to the NYSDEC for their files. Requests for additional remediation/investigation by NCDH (if any), will be forwarded to the NYSDEC for review and discussion prior to conducting the work.

3.5 Groundwater

PCE was detected in each of the samples collected from the four on-site monitoring wells (MW-1 through MW-4) at concentrations above the groundwater (drinking water) standards. PCE concentrations ranged from 11 ug/L in MW-3 to 100 ug/L in MW-1. TCE was detected in samples MW-3 (7 ug/L) and MW-4 (9 ug/L) at concentrations slightly above the groundwater standard of 5 ug/L. 1,2-DCE was detected in samples MW-2 (11 ug/L) and MW-3 (97 ug/L) at concentrations above the groundwater standard. Vinyl chloride was detected in sample MW-3 (5 ug/L) at a concentration slightly above the 2 ug/L groundwater standard. TCE and 1,2-DCE were also detected in one or more other samples, but at concentrations below their respective groundwater standards (5 ug/l each).

The highest PCE concentrations were detected in wells MW-1 and MW-4, which are the two upgradient wells on the site. The presence of TCE in MW-1 and MW-4 and 1,2-DCE in MW-4 indicate that PCE is naturally degrading beneath the site. Strong evidence for PCE degradation can be seen in downgradient wells MW-3 and MW-2, where PCE concentrations decrease with distance and increased concentrations/numbers of PCE breakdown compounds (TCE, 1,2-DCE and vinyl chloride) were detected.

In general, the soil analytical data at the site do not indicate the presence of a significant source of chlorinated VOCs at the site. Chlorinated VOCs detected in groundwater decrease in concentration downgradient across the site. Groundwater data indicate natural degradation of PCE is occurring and will continue to occur downgradient of the site, where documented petroleum contamination (Glenwood Terminal Corp. Site), will provide an additional carbon source that will enhance the degradation of PCE and breakdown products.

At the request of the NYSDEC the groundwater investigation specified in the Workplan will be implemented to delineate the horizontal and vertical extent of dissolved VOCs and to determine if additional investigation/remediation is warranted. Based on the results of the soil boring investigation and subsequent correspondence with the NYSDEC eight proposed groundwater sampling locations were selected, to be representative of groundwater conditions upgradient and downgradient of the site, as well as suspected source areas. Each sampling location and the rational are presented below:

GW-1 - Downgradient and off-site to document the potential off-site migration of contaminants from the site.

GW-2 - Downgradient of DW-2, DW-3, and the western sanitary system. Also downgradient from the suspected location of the original fuel oil tank, as depicted on Town records.

GW-3 - Downgradient of DW-3, potential former source area.

GW-4 - Through or immediately adjacent to DW-3, which is a potential source area.

GW-5* - Upgradient of the site and MW-4 to document concentrations of VOCs migrating onto the site from upgradient sources. (* - Final location to be determined in the field by PWGC and NYSDEC personnel.)

GW-6 - Through or immediately adjacent to DW-5, which is a potential source area.

GW-7 - Downgradient of the area containing the highest concentration (100 ppb) of tetrachloroethene (PCE).

GW-8* - Upgradient of the site and MW-1 to document concentrations of VOCs migrating onto the site from upgradient sources. (* - Final location to be determined in the field by PWGC and NYSDEC personnel.)

The proposed groundwater sampling locations are shown on Figure 5.

At each location groundwater samples will be collected in ten foot intervals from the water table to a depth of sixty feet below grade using a Geoprobe™ or equivalent direct push drilling technology (approximately 6 groundwater samples per boring are anticipated). A four foot long slotted probe rod will be driven to a depth four foot below the water table and then a piece of disposable polyethylene tubing with a stainless steel check valve will be inserted through the probe rods into the water bearing zone and the tubing will be hand oscillated to retrieve the sample. Purging will be conducted, as needed, to reduce turbidity prior to sampling. Non-disposable sampling equipment will be cleaned using a distilled water and Alconox detergent wash and a potable water rinse prior to the collection of each sample. The samples will be placed in pre-cleaned laboratory supplied glassware and stored in a cooler packed with ice for transport to the laboratory.

Groundwater samples will be analyzed for TAL - VOCs by EPA Method 8260. In addition to the groundwater samples, QA/QC samples will be collected/analyzed as follows:

- Field blanks – one field blank sample per 20 groundwater samples;
- Trip blanks – one laboratory prepared trip blank sample per laboratory shipment.

The field blank will be prepared with laboratory-supplied distilled or deionized water. The water will be poured through a new piece of polyethylene tubing, transferred into laboratory-prepared bottles and analyzed for TCL - VOC's. Samples will be properly identified, packed on ice in coolers, logged and delivered under full chain-of-custody procedures. As with the soil sampling program, PWGC will review the Laboratory QC Summary Package for the sample batch in which the project samples are included so that an appropriate data usability summary can be prepared.

Based on the results of the vertical profile groundwater investigation results permanent groundwater monitoring wells will be installed at the site, with the wells screened to intersect the interval of highest VOC concentrations (maximum of one screen zone per well location). The number of new wells along with their proposed locations and screen intervals will be presented to the NYSDEC for review and approval, prior to installation.

The wells will be constructed of two-inch diameter 0.010-inch slot PVC screens (ten feet of screen for water table wells and five feet for wells below the water table) threaded to two-inch diameter PVC risers. The well screens will be gravel packed with #1 Morie sand, from one foot below the bottom of the well to approximately 2 feet above the top of the well screen, as the augers are being removed from the borehole. The gravel pack will be covered with a two foot hydrated bentonite. Any remaining annual space will be filled with a cement/bentonite grout to within two feet of existing grade. Each well will be finished at grade with a flush mount manhole, a mounded cement pad and a well cap with a lock. Well construction logs will be prepared by PWGC and included in the groundwater investigation report.

PWGC's site reconnaissance revealed the existence of one or more groundwater monitoring well downgradient of the site, specifically the location of proposed vertical profile point GW-1. This well(s) will be evaluated during the vertical profile sampling work to determine if this well(s) represent a viable groundwater sampling point(s) which can be used as a substitute(s) should the installation of additional downgradient monitoring wells be warranted.

Following installation and a minimum 24-hour waiting period (to allow the well to equilibrate), the wells will be developed using a two- inch submersible pump to pump and surge each of the wells. During development field parameters (pH, conductivity and temperature) will be measured and recorded after each successive well volume is removed. Development will continue for minimum of ten well volumes and until pH, conductivity, and temperature stabilize, and the water appears clean and free of suspended fines. A maximum of 20 well volumes will be removed from each well during development.

Following installation and development of the wells sampling of the new and existing wells will be performed. Prior to sampling, a minimum of three casing volumes will be removed from the wells using submersible pump or equivalent to ensure representative samples from the formation surrounding the wells are obtained and to eliminate standing water in the wells. Once purging is completed, samples will be obtained from the wells using a dedicated polyethylene bailer and rope. Samples will be placed in laboratory-supplied glassware and packed in a cooler with ice for transport to the laboratory.

In addition to the groundwater samples, one field blank and one trip blank sample will be collected/analyzed for QA/QC purposes. The field blank will be prepared with laboratory-supplied distilled or deionized water. The water will be poured through a new bailer and transferred into laboratory-prepared bottles. Groundwater and QA/QC samples will be analyzed for TCL - VOC's by EPA Method 8260. Samples will be properly identified, packed on ice in coolers, logged and delivered under full chain-of-custody procedures. As with the soil sampling program, PWGC will review the Laboratory QC Summary Package for the sample batch in which the project samples are included so that an appropriate data usability summary can be prepared.

TABLES

FORMER PENETREX PROCESSING SITE

TABLE 1

SOIL ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8260

Compound	NYSDEC RSCOs (1)	SB-1 8'-10'	SB-1 12.5'-14.5'	SB-1 19'-21'	SB-2 2'-4'	SB-2 6' - 8'	SB-2 12' - 14'	SB-3 2' -4'	SB-3 8' - 10'	SB-3 12' - 14'	SB-4 11' - 13'
Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	200	ND	ND	ND	ND	ND	140	ND	170	ND	ND
Carbon Disulfide	2700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethane	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichloroethene	200	ND	ND	ND	ND	ND	ND	ND	27	ND	ND
Chloroform	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
111 Trichloroethane	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
c-1,3 Dichloropropene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	500	ND	ND	ND	5	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
112 Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1, 3 Dichloropropene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1300	250	94	ND	92	7	ND	16	59	32	ND
Toluene	1500	ND	ND	ND	14	ND	ND	ND	22	ND	ND
1122 Tetrachloroethane	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o Xylene	600	ND	ND	ND	ND	ND	ND	ND	16	ND	ND
m + p Xylene	1200	ND	ND	ND	ND	ND	ND	ND	23	ND	ND
Xylene	1200	ND	ND	ND	ND	ND	ND	ND	39	ND	ND

FORMER PENETREX PROCESSING SITE

TABLE 1 (con't)

SOIL ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8260

Compound	NYSDEC RSCOs (1)	SB-4 13' - 17'	SB-4 17' - 21'	SB-5 14' - 18'	SB-5 18' - 22'	SB-5 25' -26	SB-6 10' - 11'	SB-6 12' - 13'	SB-6 15' -16'	A-1
Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	200	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	2700	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethane	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichloroethene	200	ND	ND	ND	42	ND	ND	ND	ND	ND
Chloroform	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	200	ND	ND	ND	ND	ND	ND	ND	ND	ND
111 Trichloroethane	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
c-1,3 Dichloropropene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	500	ND	ND	ND	6	ND	ND	ND	ND	ND
Chlorodibromomethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND
112 Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1, 3 Dichloropropene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1300	ND	ND	ND	ND	29	ND	ND	ND	ND
Toluene	1500	ND	ND	51	ND	ND	ND	ND	ND	1,000
1122 Tetrachloroethane	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5500	ND	ND	18	ND	ND	ND	ND	ND	800
Styrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
o Xylene	600	ND	ND	26	ND	ND	ND	ND	ND	600
m + p Xylene	1200	ND	ND	57	ND	ND	ND	ND	ND	**3,200**
Xylene	1200	ND	ND	83	ND	ND	ND	ND	ND	**3,800**

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives, Technical and Administrative Guidance Memo (TAGM) 4046, 4/95.
ND - Not Detected.
NS - Not Specified.
Bold text denotes RSCO Exceedance
All units are ug/kg.

FORMER PENETREX PROCESSING SITE

TABLE 2

SOIL ANALYTICAL RESULTS FOR METALS
EPA METHOD 6010

Compound	NYSDEC RSCO (1)	Eastern USA Background	SB-1 8' -10'	SB-1 12.5' - 14.5'	SB-1 19' - 21'
Arsenic	7.5 or SB	3 - 12	1.4	0.67	ND
Barium	300 or SB	15 - 600	9.7	5.4	1.4
Cadmium	10	0.1 - 1	0.72	ND	ND
Chromium	50	1.5 - 40	15	2.4	1.7
Lead	SB	200 - 500*	27	7.1	0.88
Mercury	0.1	0.001 - 0.2	0.019	0.0088	ND
Selenium	2 or SB	0.1 - 3.9	ND	ND	ND
Silver	SB	N/A	ND	ND	ND

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives, Technical and Administrative Guidance Memo (TAGM) 4046, 4/95.
ND - Not Detected.
NS - Not Specified.
Bold text denotes RSCO Exceedance
All units are mg/kg.

FORMER PENETREX PROCESSING SITE

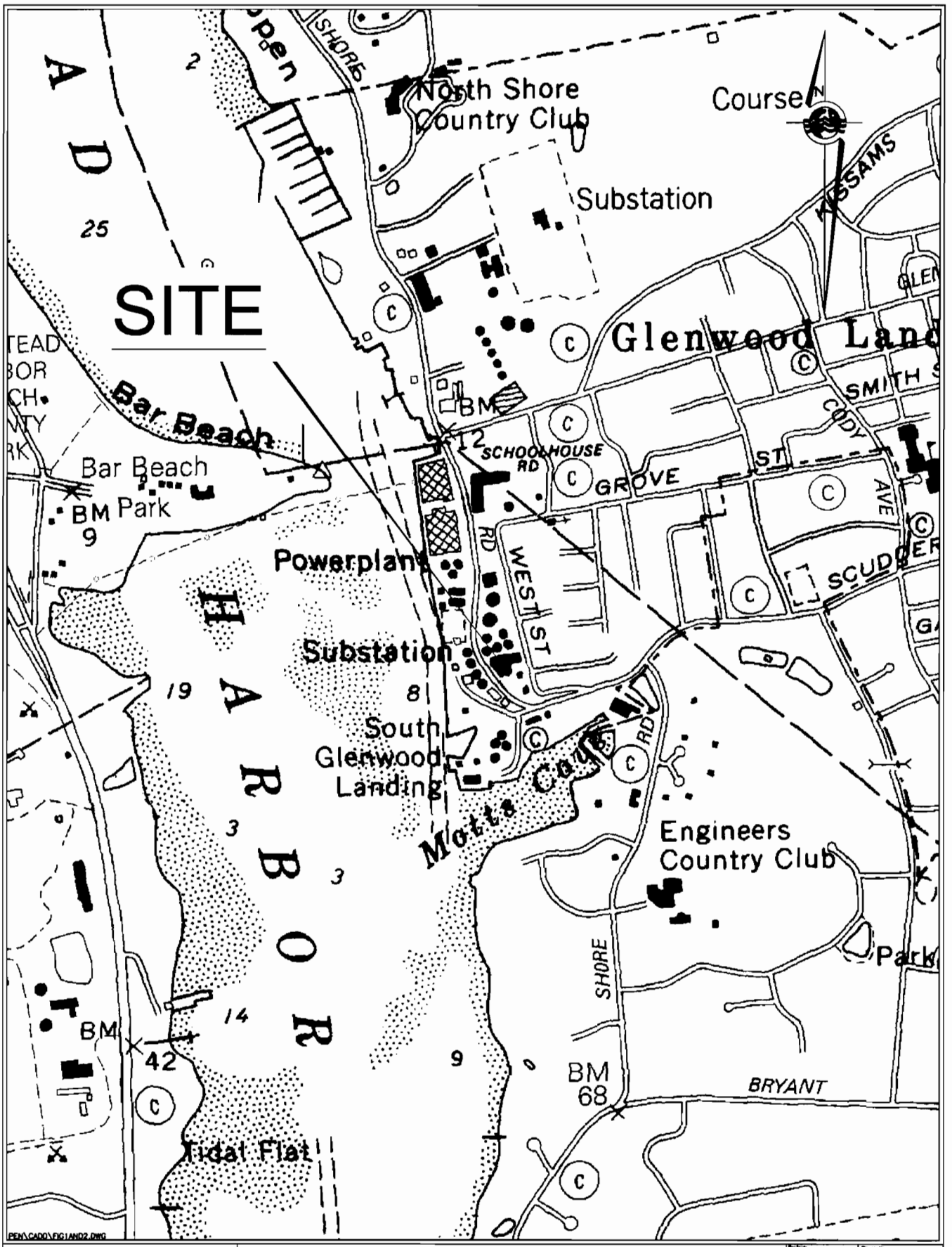
TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS - EPA METHOD 8260

Compound	NYSDEC Standard (1)	MW-1	MW-2	MW-3	MW-4
Chloromethane	NS	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND
Vinyl Chloride	2.0	ND	ND	**5**	ND
Chloroethane	5.0	ND	ND	ND	ND
Methylene Chloride	5.0	ND	ND	ND	ND
Acetone	5.0	ND	ND	ND	ND
Carbon Disulfide	5.0	ND	ND	ND	ND
1,1 Dichloroethene	5.0	ND	ND	ND	ND
1,1 Dichloroethane	5.0	ND	ND	3	ND
1,2 Dichloroethene	5.0	ND	**11**	**97**	3
Chloroform	7.0	ND	ND	ND	ND
1,2 Dichloroethane	6.0	ND	ND	ND	ND
2-Butanone	NS	ND	ND	ND	ND
111 Trichloroethane	5.0	ND	ND	ND	ND
Carbon Tetrachloride	5.0	ND	ND	ND	ND
Bromodichloromethane	50.0	ND	ND	ND	ND
1,2 Dichloropropane	5.0	ND	ND	ND	ND
c-1,3 Dichloropropene	4.0	ND	ND	ND	ND
Trichloroethene	5.0	4	3	**9**	7
Chlorodibromomethane	50.0	ND	ND	ND	ND
112 Trichloroethane	1.0	ND	ND	ND	ND
Benzene	1.0	ND	ND	ND	ND
t-1, 3 Dichloropropene	4.0	ND	ND	ND	ND
Bromoform	5.0	ND	ND	ND	ND
4-Methyl-2-Pentanone	NS	ND	ND	ND	ND
2-Hexanone	5.0	ND	ND	ND	ND
Tetrachloroethene	5.0	**100**	**11**	**54**	**65**
Toluene	5.0	ND	ND	ND	ND
1122 Tetrachloroethane	5.0	ND	ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND	ND
Ethyl Benzene	5.0	ND	ND	ND	ND
Styrene	5.0	ND	ND	ND	ND
o Xylene	5.0	ND	ND	ND	ND
m + p Xylene	5.0	ND	ND	ND	ND
Xylene	5.0	ND	ND	ND	ND

Notes:
1 - NYSDEC Class GA Groundwater Standards, TOGS 1.1.1, June 1998
ND - Not Detected.
NS - Not Specified.
Bold text denotes Groundwater Standard Exceedance
All units are ug/L.

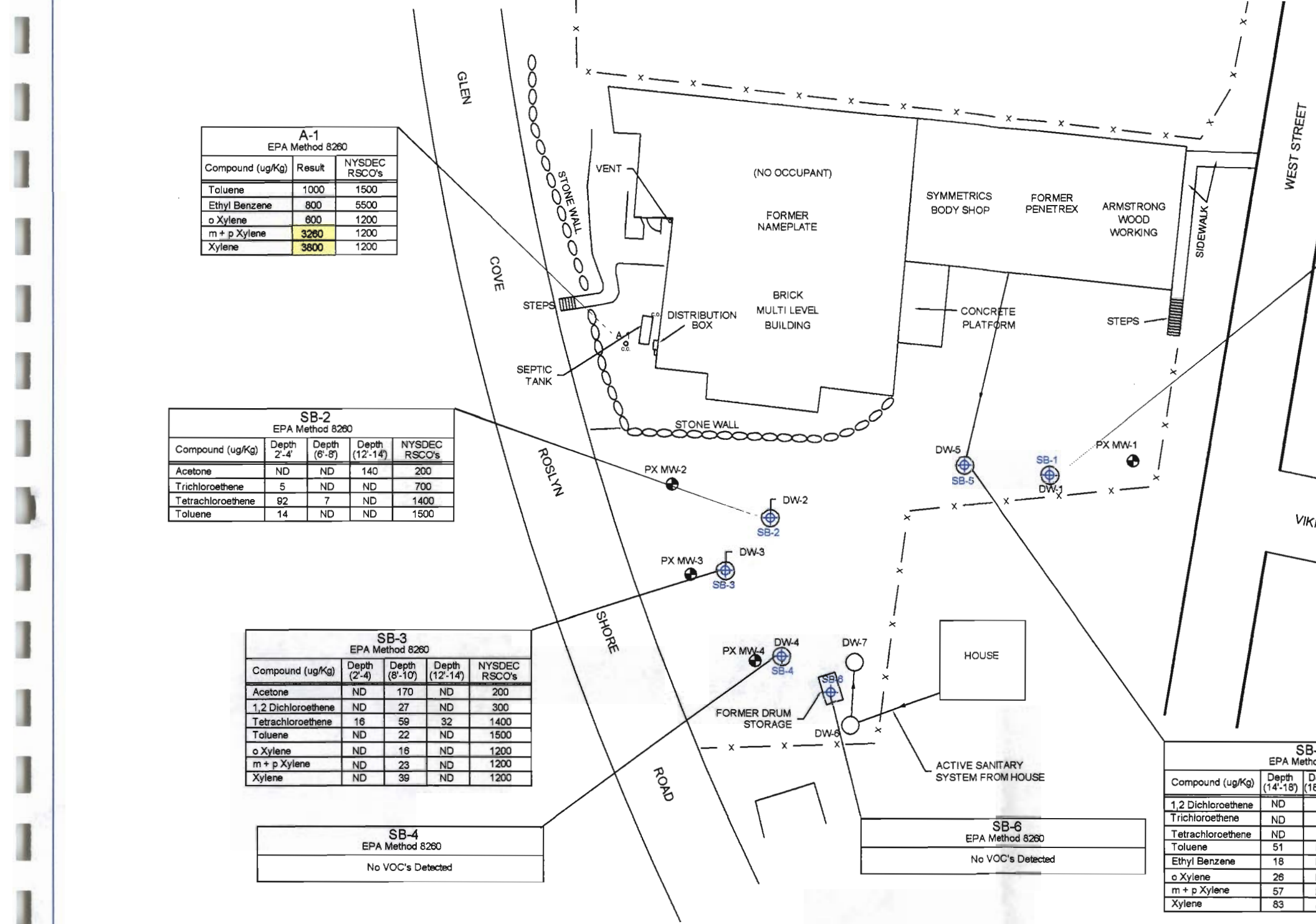
FIGURES



P.W. GROSSER CONSULTING
ENGINEER & HYDROGEOLOGIST, P.C.

Site Location Map

PEN0001
JPR
JPR
JAK
1
9/20/00



A-1
EPA Method 8260

Compound (ug/Kg)	Result	NYSDEC RSCO's
Toluene	1000	1500
Ethyl Benzene	800	5500
o Xylene	600	1200
m + p Xylene	3260	1200
Xylene	3800	1200

SB-2
EPA Method 8260

Compound (ug/Kg)	Depth 2'-4'	Depth (6'-8')	Depth (12'-14')	NYSDEC RSCO's
Acetone	ND	ND	140	200
Trichloroethene	5	ND	ND	700
Tetrachloroethene	92	7	ND	1400
Toluene	14	ND	ND	1500

SB-3
EPA Method 8260

Compound (ug/Kg)	Depth (2'-4)	Depth (8'-10')	Depth (12'-14')	NYSDEC RSCO's
Acetone	ND	170	ND	200
1,2 Dichloroethene	ND	27	ND	300
Tetrachloroethene	16	59	32	1400
Toluene	ND	22	ND	1500
o Xylene	ND	18	ND	1200
m + p Xylene	ND	23	ND	1200
Xylene	ND	39	ND	1200

SB-4
EPA Method 8260

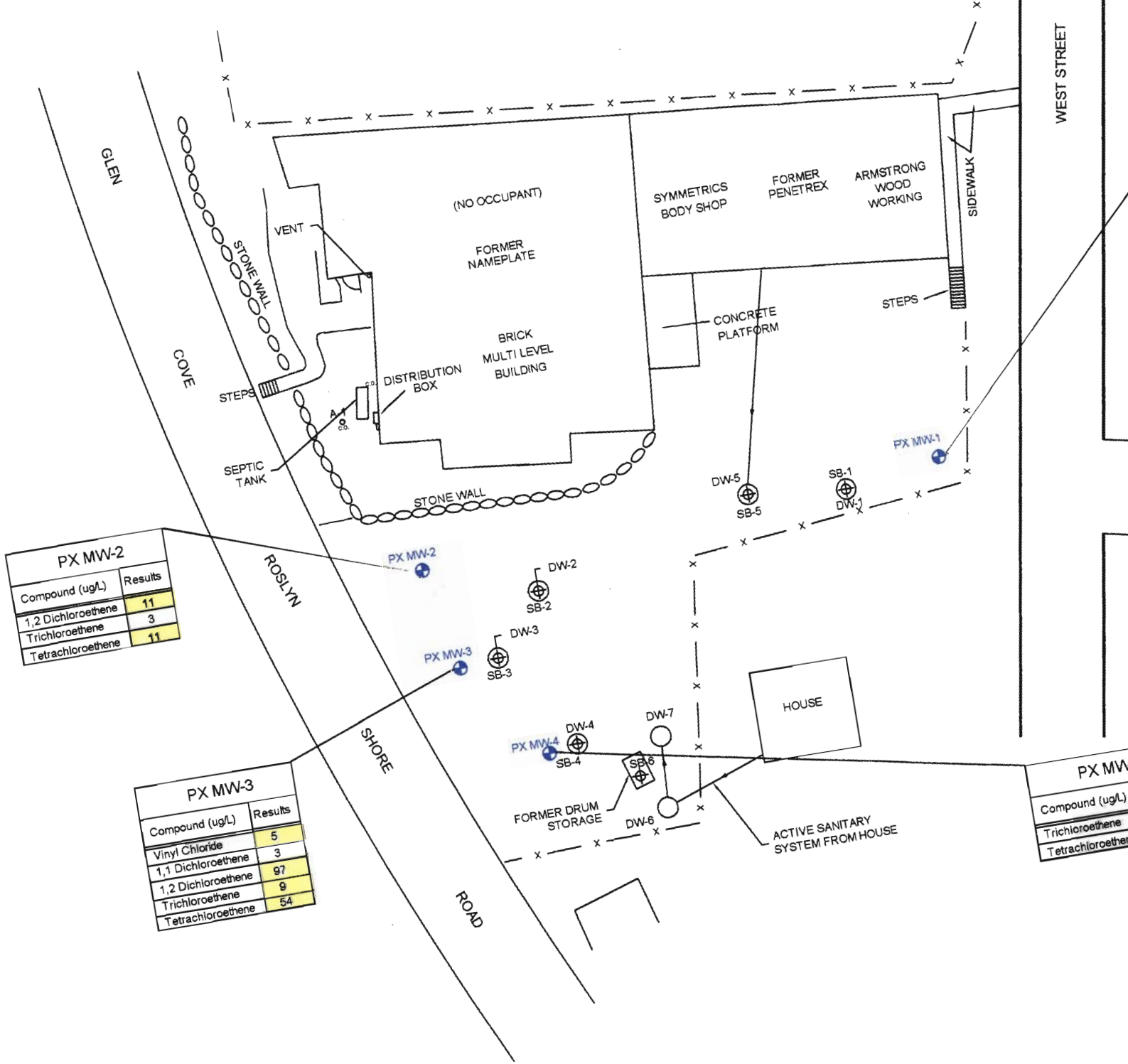
No VOC's Detected

SB-6
EPA Method 8260

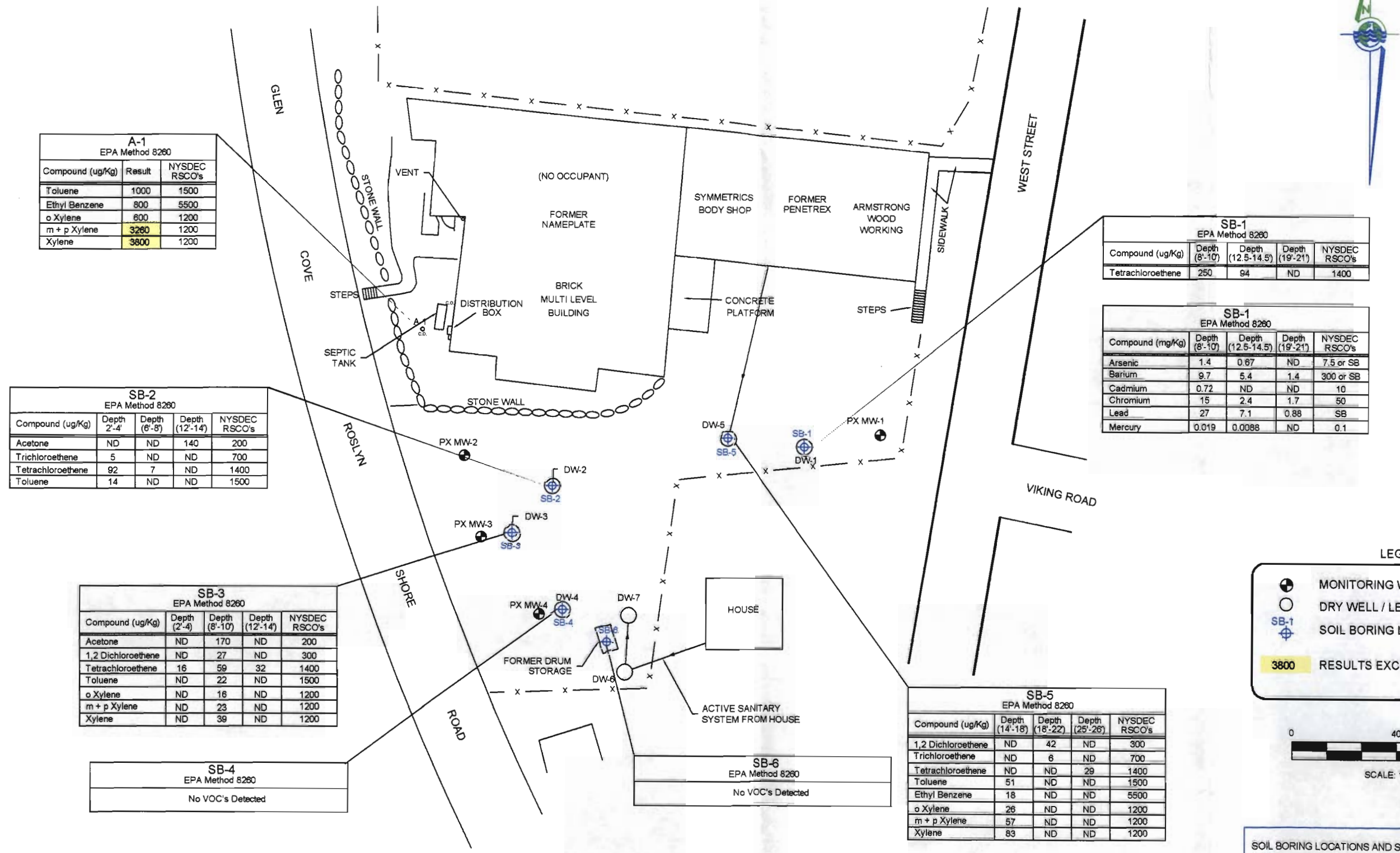
No VOC's Detected

SB-
EPA Metho

Compound (ug/Kg)	Depth (14'-18')	D (18
1,2 Dichloroethene	ND	
Trichloroethene	ND	
Tetrachloroethene	ND	
Toluene	51	
Ethyl Benzene	18	
o Xylene	26	
m + p Xylene	57	
Xylene	83	


GLEN
COVE
ROSLYN
SHORE
ROAD
WEST STREET
SIDEWALK
STONE WALL
VENT
(NO OCCUPANT)
FORMER NAMEPLATE
SYMMETRICS BODY SHOP
FORMER PENETREX
ARMSTRONG WOOD WORKING
BRICK MULTI LEVEL BUILDING
CONCRETE PLATFORM
STEPS
DISTRIBUTION BOX
SEPTIC TANK
STONE WALL
HOUSE
FORMER DRUM STORAGE
ACTIVE SANITARY SYSTEM FROM HOUSE
PX MW-1
PX MW-2
PX MW-3
PX MW-4
DW-1
DW-2
DW-3
DW-4
DW-5
DW-6
DW-7
SB-1
SB-2
SB-3
SB-4
SB-5
SB-6
PX MW-2
Compound (ug/L) Results
1,2 Dichloroethene 11
Trichloroethene 3
Tetrachloroethene 11
PX MW-3
Compound (ug/L) Results
Vinyl Chloride 5
1,1 Dichloroethene 3
1,2 Dichloroethene 97
Trichloroethene 9
Tetrachloroethene 54
PX MW
Compound (ug/L)
Trichloroethene
Tetrachloroether

GW-1
GLEN
COVE
ROSLYN
SHORE
ROAD
SEPTIC TANK
STEPS
GW-2
STONE WALL
VENT
DISTRIBUTION BOX
BRICK MULTI LEVEL BUILDING
FORMER NAMEPLATE
(NO OCCUPANT)
GW-3
PX MW-2
PX MW-3
GW-4
DW-3
DW-2
STONE WALL
PX MW-4
DW-4
FORMER DRUM STORAGE
DW-6
DW-7
GW-5
ACTIVE SANITARY SYSTEM FROM HOUSE
HOUSE
APPROXIMATE DIRECTION OF GROUNDWATER FLOW
DW-5
GW-6
CONCRETE PLATFORM
SYMMETRICS BODY SHOP
FORMER PENETREX
ARMSTRONG WOOD WORKING
GW-7
DW-1
PX MW-1
STEPS
SIDEWALK
WEST STREET



A-1
EPA Method 8260

Compound (ug/Kg)	Result	NYSDEC RSCO's
Toluene	1000	1500
Ethyl Benzene	800	5500
o Xylene	600	1200
m + p Xylene	3260	1200
Xylene	3800	1200

SB-1
EPA Method 8260

Compound (ug/Kg)	Depth (8'-10')	Depth (12.5-14.5')	Depth (19'-21')	NYSDEC RSCO's
Tetrachloroethene	250	94	ND	1400

SB-1
EPA Method 8260

Compound (mg/Kg)	Depth (8'-10')	Depth (12.5-14.5')	Depth (19'-21')	NYSDEC RSCO's
Arsenic	1.4	0.67	ND	7.5 or SB
Barium	9.7	5.4	1.4	300 or SB
Cadmium	0.72	ND	ND	10
Chromium	15	2.4	1.7	50
Lead	27	7.1	0.88	SB
Mercury	0.019	0.0088	ND	0.1

SB-2
EPA Method 8260

Compound (ug/Kg)	Depth 2'-4'	Depth (6'-8')	Depth (12'-14')	NYSDEC RSCO's
Acetone	ND	ND	140	200
Trichloroethene	5	ND	ND	700
Tetrachloroethene	92	7	ND	1400
Toluene	14	ND	ND	1500

SB-3
EPA Method 8260

Compound (ug/Kg)	Depth (2'-4)	Depth (8'-10')	Depth (12'-14')	NYSDEC RSCO's
Acetone	ND	170	ND	200
1,2 Dichloroethene	ND	27	ND	300
Tetrachloroethene	16	59	32	1400
Toluene	ND	22	ND	1500
o Xylene	ND	16	ND	1200
m + p Xylene	ND	23	ND	1200
Xylene	ND	39	ND	1200

SB-4
EPA Method 8260

No VOC's Detected

SB-5
EPA Method 8260

Compound (ug/Kg)	Depth (14'-18')	Depth (18'-22)	Depth (25'-26')	NYSDEC RSCO's
1,2 Dichloroethene	ND	42	ND	300
Trichloroethene	ND	6	ND	700
Tetrachloroethene	ND	ND	29	1400
Toluene	51	ND	ND	1500
Ethyl Benzene	18	ND	ND	5500
o Xylene	26	ND	ND	1200
m + p Xylene	57	ND	ND	1200
Xylene	83	ND	ND	1200

SB-6
EPA Method 8260

No VOC's Detected

LEGEND

- MONITORING WELL
- DRY WELL / LEACHING STRUCTURE
- SB-1 SOIL BORING LOCATION
- 3800 RESULTS EXCEEDING RSCO

0 40 80

SCALE: 1" = 40'

SOURCE: YEC, INC., SURVEY MAP 10, JULY 1992

SOIL BORING LOCATIONS AND SOIL ANALYTICAL RESULTS
FORMER PENETREX PROCESSING
NYSDEC I.D. No. 130034

P.W. GROSSER CONSULTING
ENGINEER & HYDROGEOLOGIST, P.C.
630 Johnson Ave. Suite 7
Bohemia, N.Y. 11716-2618
Ph: 631 589-8353 Fx: 631 589-8705
E-mail: www.pwgrosser.com

Project: PEN0001	Designed by: JPR	Figure No: 2
CADD Operator: TC\KF	Approved by: JPR	Date: 07/26/02

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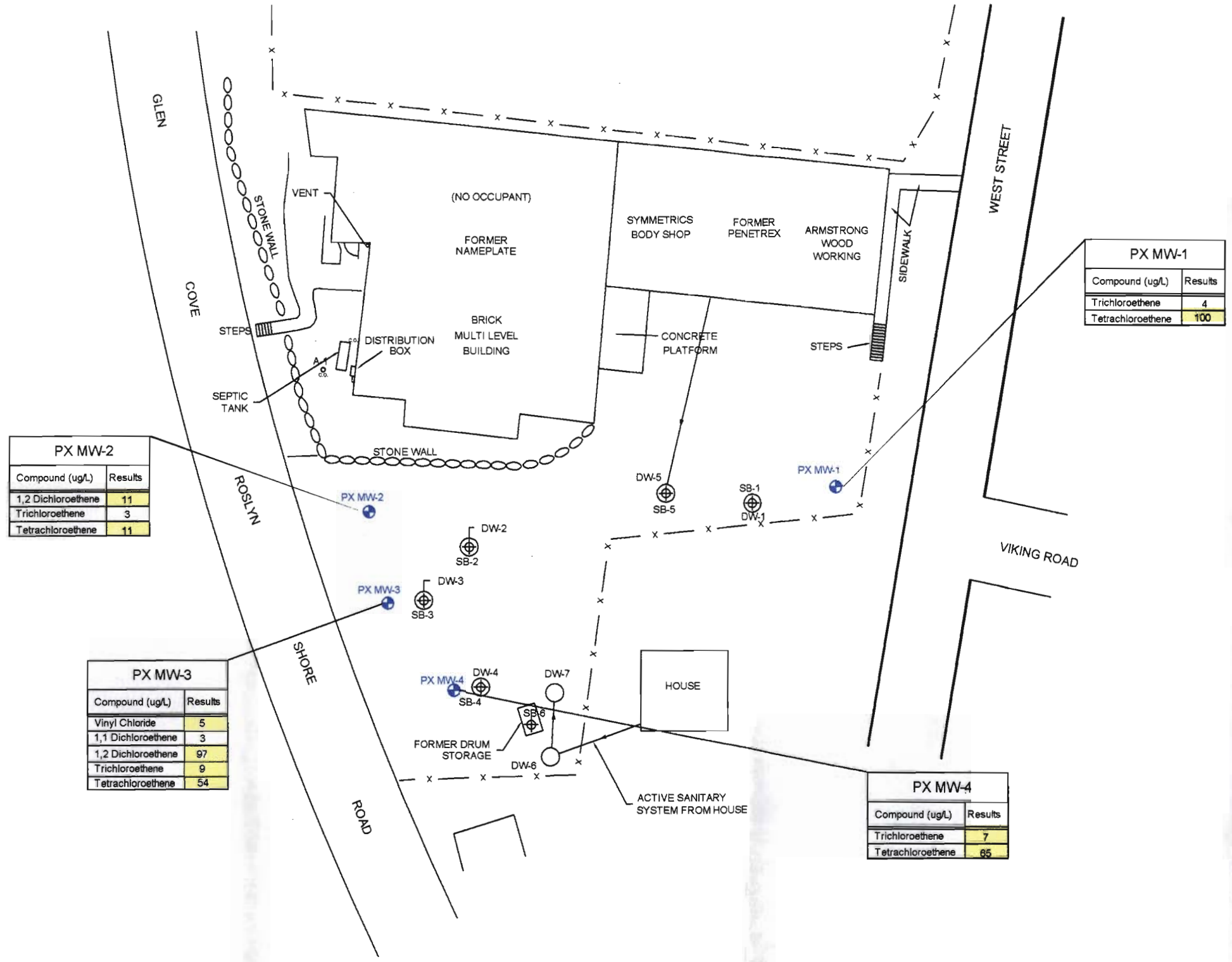

PX MW-1	
Compound (ug/L)	Results
Trichloroethene	4
Tetrachloroethene	100

PX MW-2	
Compound (ug/L)	Results
1,2 Dichloroethene	11
Trichloroethene	3
Tetrachloroethene	11

PX MW-3	
Compound (ug/L)	Results
Vinyl Chloride	5
1,1 Dichloroethene	3
1,2 Dichloroethene	97
Trichloroethene	9
Tetrachloroethene	54

PX MW-4	
Compound (ug/L)	Results
Trichloroethene	7
Tetrachloroethene	65

LEGEND

- MONITORING WELL
- DRY WELL / LEACHING STRUCTURE
- SB-1 SOIL BORING LOCATION
- 65 EXCEEDING GROUNDWATER STANDARD

0 40 80

SCALE: 1" = 40'

SOURCE: YEC, INC., SURVEY MAP 10, JULY 1992

GROUNDWATER ANALYTICAL RESULTS
FORMER PENETREX PROCESSING
NYSDEC I.D. No. 130034

P.W. GROSSER CONSULTING
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630 Johnson Ave. Suite 7
Bohemia, N.Y. 11716-2618
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E-mail: www.pwgrosser.com

Project: PEN0001	Designed By: JPR	Figure No: 3
CADD Operator: TC	Approved By: JPR	Date: 05/16/02

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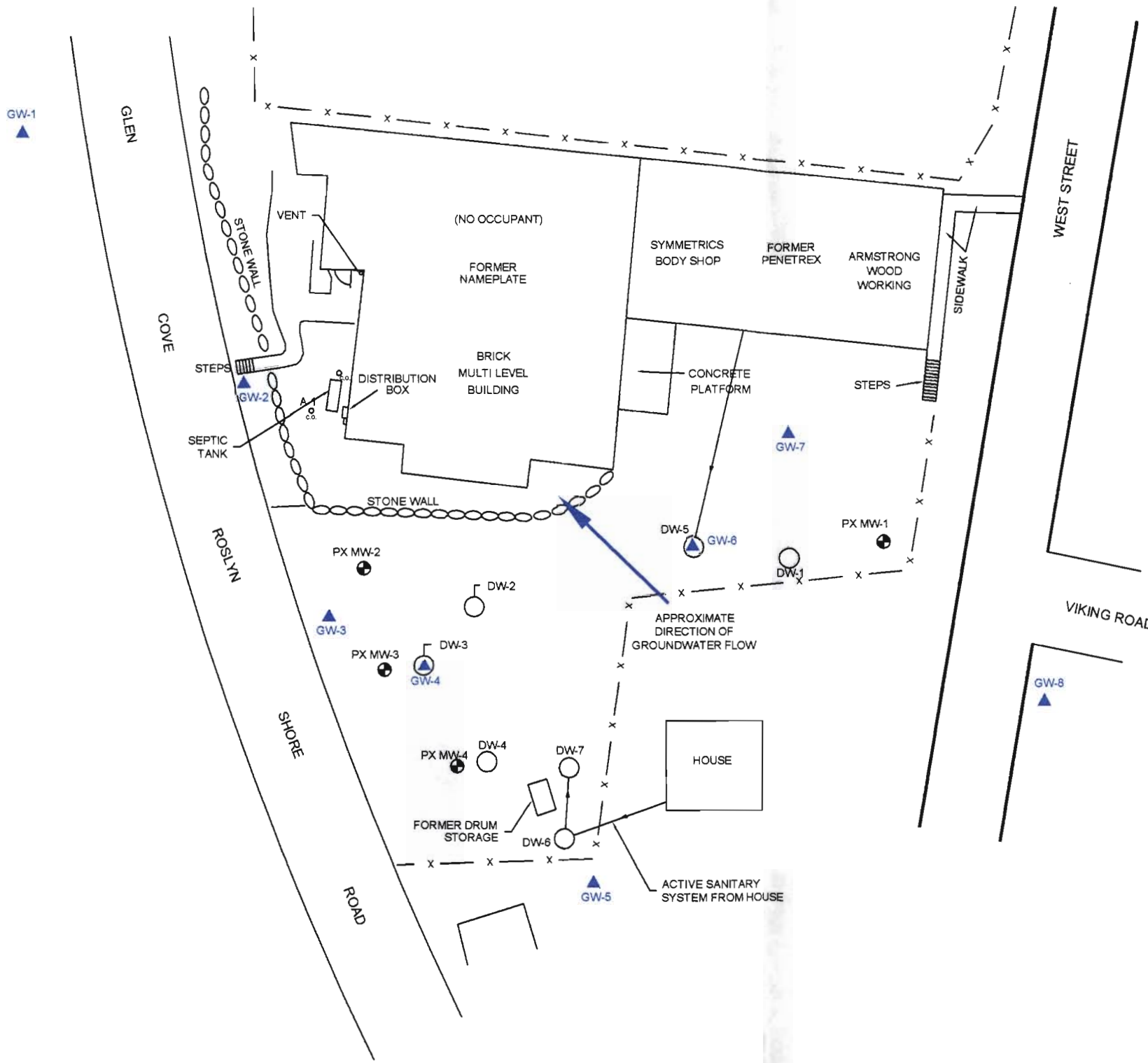

LEGEND

- MONITORING WELL
- DRY WELL / LEACHING STRUCTURE
- PROPOSED GW SAMPLE LOCATION

0 40 80

SCALE: 1" = 40'

SOURCE: YEC, INC., SURVEY MAP 10, JULY 1992

PROPOSED GROUNDWATER SAMPLING LOCATIONS
FORMER PENETREX PROCESSING
NYSDEC I.D. No. 130034

P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
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Project: PEN0001	Designed By: JPR	Figure No: 5
CADD Operator: TC / KF	Approved By: JPR	Date: 07/24/02

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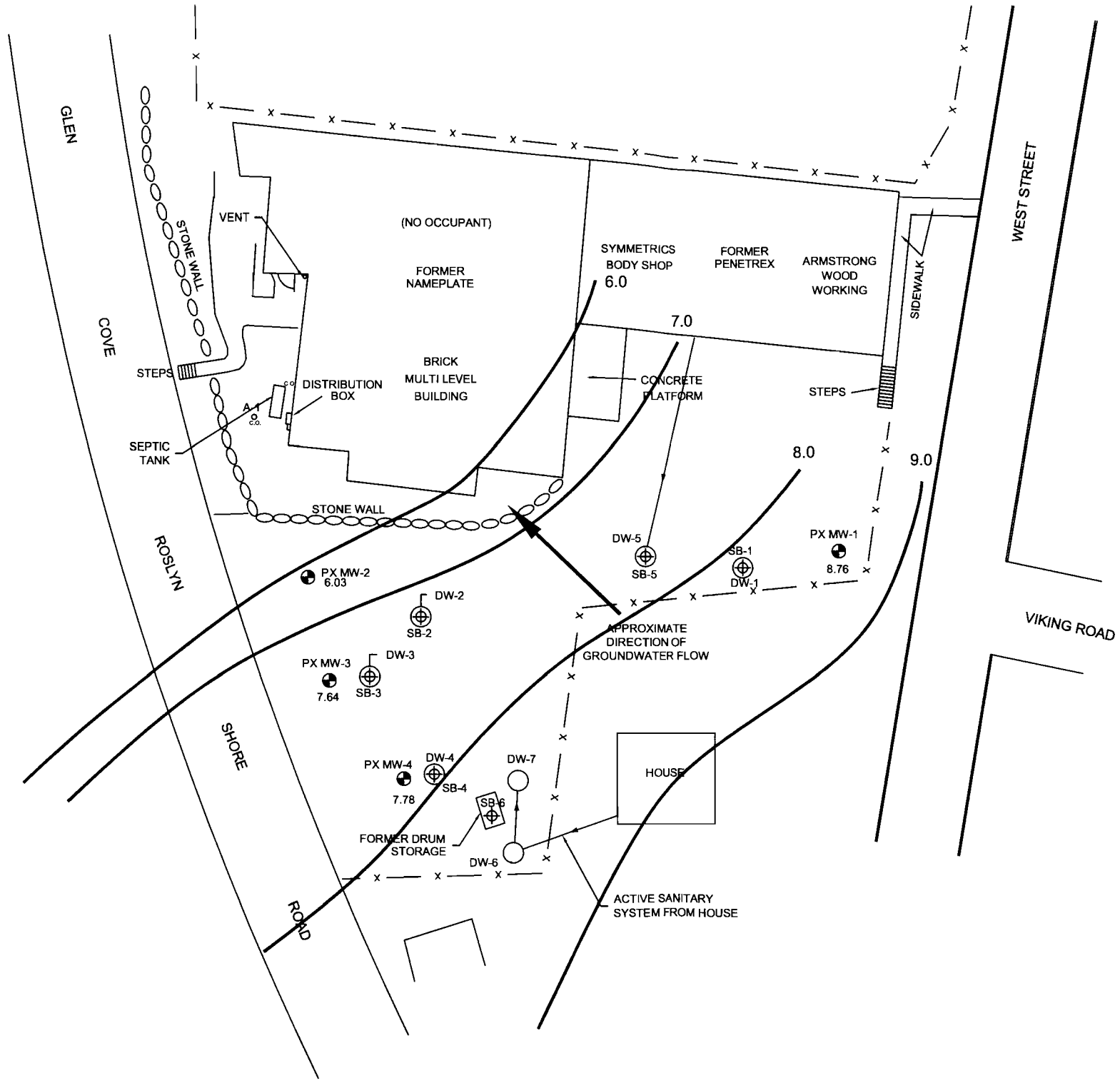

- MONITORING WELL
- DRY WELL / LEACHING STRUCTURE
- SB-1 SOIL BORING LOCATION
- 7.78 GROUNDWATER ELEVATION
- GROUNDWATER CONTOUR (IN FEET)

NOTE: GROUNDWATER ELEVATIONS ARE MEASURED TO AN ARBITRARY DATAM

0 40 80

SCALE: 1" = 40'

SOURCE: YEC, INC., SURVEY MAP 10, JULY 1992

GROUNDWATER FLOW MAP
FORMER PENETREX PROCESSING
NYSDEC I.D. No. 130034

P.W. GROSSER CONSULTING
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630 Johnson Ave. Suite 7
Bohemia, N.Y. 11716-2618
Ph: 631 589-6353 Fx: 631 589-8705
E-mail: www.pwgrosser.com

Project:	Designed By:	Figure No:
PEN0001	JPR	4
CADD Operator: TC	Approved By: JPR	Date: 05/16/02

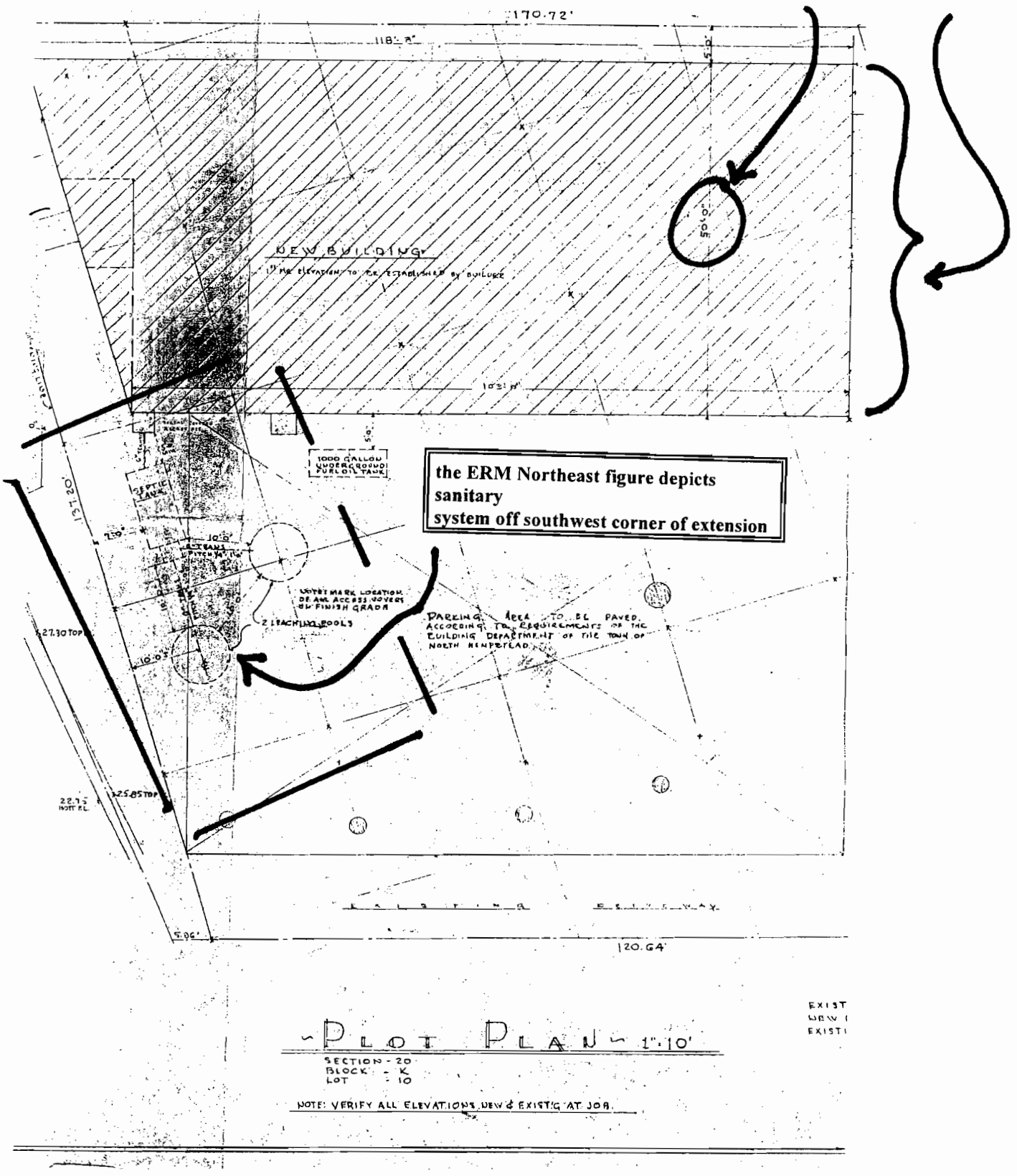
J:\all_projects\PEN\CADD\FIG1AND2.DWG

APPENDIX A

NCBD FILE MAPS

This is 1955 Site Plan on file
w/ Town of N. Hempstead

original building footprint
is noted as 50' wide
south building extension is not present



the ERM Northeast figure depicts
sanitary
system off southwest corner of extension

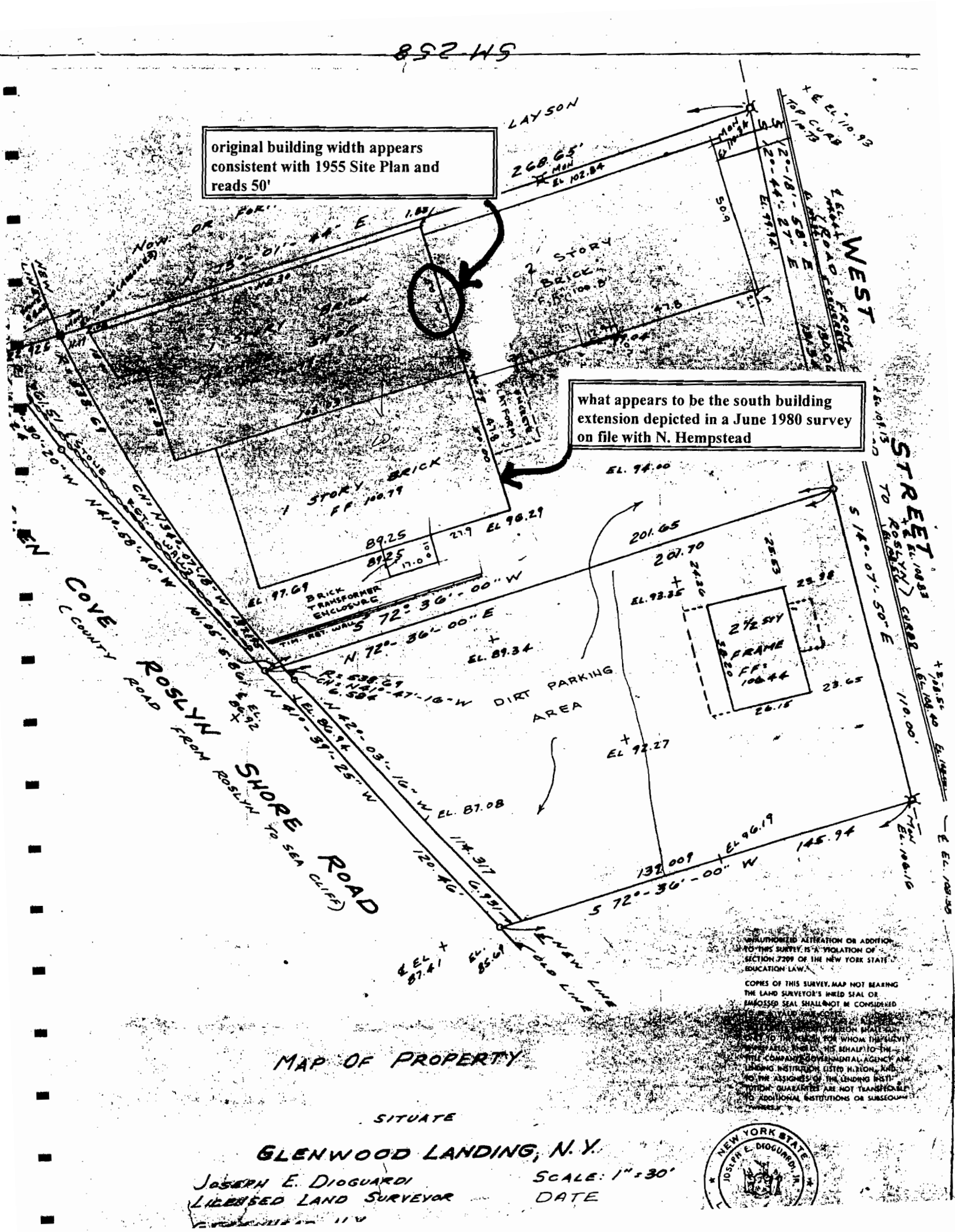
PLOT PLAN 1"=10'

SECTION - 20
BLOCK - K
LOT - 10

NOTE: VERIFY ALL ELEVATIONS, NEW & EXISTG AT JOB.

EXIST
NEW
EXIST

852 HS



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MAP OF PROPERTY

SITUATE

GLENWOOD LANDING, N.Y.

JOSEPH E. DIOGUARDI
LICENSED LAND SURVEYOR

SCALE: 1" = 30'

DATE

NEW YORK STATE
JOSEPH E. DIOGUARDI, JR.

HIN-FIN REALTY CORP
SEA CLIFF AVE
GLEN COVE NEW YORK 11542
* SEA CLIFF AVE

HINFIN REALTY CORP
PO BOX 511
GLEN COVE NY 11542

LOT SIZE- 1.21AC

$27,3[illegible]1V
$23,641.96CT
$40,765.53ST
LIBR 5450-0477

20- K- -0010-0
WEINBERGER SAUL
390 WILLIS AVENUE
ROSLYN HEIGHTS NEW YORK 11743
* SHORE RD

NORTH HEMPSTEAD 301
2289-TOWN NORTH HEMPSTEAD
SAUL WEINBERGER
PO BOX 1356
ROSLYN HEIGHTS NY 11577
LOT GROUP-10-11
LOT SIZE- 131.00 X 236.00

710.24-MANUFACTURING

USE: 511-GENERAL WAREHOUSE
TOT AREA-10200 SF
GF AREA-5100 SF
FLR HGT-16
CLASS-MSNRY/CONC WALL
EXT WALL-COMMON BRICK

EXTRA FEATURES:
203-FREIGHT ELEVATOR
MEAS-1-2 TYPE - A12
341-STORAGE/UTILITY BLDG
MEAS-170 TYPE - B25
401-YARD PAVING
MEAS-15000 TYPE - BTP
243-MEZZANINE
MEAS-416 TYPE - HWD

USE: 522-LIGHT MANUFACTURING
TOT AREA-9563 SF
GF AREA-9563 SF
FLR HGT-14
CLASS-MSNRY/CONC WALL
EXT WALL-COMMON BRICK

CARD NO - 1
SECT - 1
STY HGT - 2.0
NO FLRS - 2.0
RENT UNITS- 1
YR BUILT - 1967

CARD NO - 1
SECT - 2
STY HGT - 2.0
NO FLRS - 1.0
RENT UNITS- 1
YR BUILT - 1956
YR RENOV - 1960

$56,630TV
$22,600LV
$34,030IV
$11,672.58CT
$20,126.87ST
LIBR 9442-0201

PREV SALE:
$10,000SP
DATE 01-82
DEED-B

20- K- -0012-0
WEINBERGER SAUL
390 WILLIS AVENUE
ROSLYN HEIGHTS NEW YORK 11547
*3 WEST ST

NORTH HEMPSTEAD 301
2289-TOWN NORTH HEMPSTEAD
K & W ASSOCIATES
PO BOX 1356-390 WILLIS AV
ROSLYN HEIGHTS NY 11577
LOT SIZE- 120.00 X 202.00
ATTACHED ADDITIONS

FLOOR	B	1	2	3	SQFT
		OP	OP		270
		OP			165

210.01-SINGLE FAMILY RESID.

TOT AREA-1442 SF
GF AREA-1007 SF
FOUNDATION - BRICK WALLS
BSMT AREA - FULL BSMT-P/FIN
EXT WALLS - FRAME
ROOF TYPE - GABLE
ROOFING - ASPHALT SHINGLE
FLR FINISH - PINE
INT FINISH - PINE
HEAT & A/C - HOT WATER
FUEL TYPE - OTHER
ATTIC FNSH - FL & STAIRS

DWLG TYPE - 1 FAM
YR BUILT - 1928
STORIES - 2.0
NO ROOMS:
BASEMENT - 4
FLOOR 1 - 4
FLOOR 2 - 4
BATHS - 1.0
FIRE PL - 2

$6,320TV
$3,780LV
$2,540IV
$1,329.22CT
$2,116.69ST
LIBR 9442-0201

NASSAU, N.Y.

N17

TRW·REDI

Nationwide 1-800-345-7334

PARCEL NUMBER BLDG UNIT
OWNERS NAME
MAILING ADDRESS
#PHONE NUMBER YRS W/SAME
*PROPERTY LOCATION PHONE

TOWNSHIP SCHOOL
MUNICIPALITY DISTRICT
TAXPAYER NAME
MAILING ADDRESS
* ATTACHED ADDITIONS *

PROPERTY USE
BUILDING DATA
AND
EXTRA FEATURES

STATISTICAL INFO

V A L U E S
TOTAL-TV
LAND-LV
IMPROVEMENT-IV
COUNTY TAX-CT
SCHOOL TAX-ST
SALE PRICE-SP

20- K- -0013-0
LATOURETTE J LATOURETTE N M L E
1 WEST STREET
GLENWOOD LANDING NEW YORK 1154
*1 WEST ST

NORTH HEMPSTEAD 301
2289-TOWN NORTH HEMPSTEAD
MRS NELLIE M LATOURETTE
1 WEST STREET BOX 108
GLENWOOD LANDING NY 11547

LOT SIZE- 324.00 X 146.00
ATTACHED ADDITIONS

FLOOR	B	1	2	3	SQFT
		OP			68
		OP			176
		OP			147

280.01-MULTI-RESIDENCE

TOT AREA-841 SF
GF AREA-450 SF
FOUNDATION - BRICK WALLS
BSMT AREA - FULL BSMT-P/FIN
EXT WALLS - FRAME
ROOF TYPE - GABLE
ROOFING - ASPHALT SHINGLE
FLR FINISH - SINGLE FL
INT FINISH - PINE
HEAT & A/C - PIPELESS
FUEL TYPE - OTHER
COTTAGE -1.0 FR 19 X 16

DWLG TYPE - 1 FAM
YR BUILT - 1888
STORIES - 2.0
NO ROOMS:
BASEMENT - 2
FLOOR 1 - 2
FLOOR 2 - 2
BATHS - 1.0

$4,300TV
$2,460LV
$1,840IV
$761.42CT
$1,440.16ST
LIBR 9614-0636

PREV SALE:
DATE 01-81
LIBR 9316-0739

20- L- -0003-0
OYSTER BAY 002
250.01-ESTATE-RESIDENCE
$44,960TV

USE: 522-LIGHT MANUFACTURING
TOT AREA-9563 SF
GF AREA-9563 SF
FLR HGT-14
CLASS-MSNRY/CONC WALL
EXT WALL-COMMON BRICK

CARD NO - 1
SECT - 2
STY HGT - 2.0
NO FLRS - 1.0
RENT UNITS- 1
YR BUILT - 1956
YR RENOV - 1960

20- K- -0012-0
WEINBERGER SAUL
390 WILLIS AVENUE
ROSLYN HEIGHTS NEW YORK 11547
#3 WEST ST

NORTH HEMPSTEAD 301
2289-TOWN NORTH HEMPSTEAD
K & W ASSOCIATES
PO BOX 1356-390 WILLIS AV
ROSLYN HEIGHTS NY 11577
LOT SIZE- 120.00 X 202.00
ATTACHED ADDITIONS

FLOOR	B	1	2	3	SQFT
		OP	OP		270
		OP			165

210.01-SINGLE FAMILY RESID.
TOT AREA-1442 SF
GF AREA-1007 SF
FOUNDATION - BRICK WALLS
BSMT AREA - FULL BSMT-P/FIN
EXT WALLS - FRAME
ROOF TYPE - GABLE
ROOFING - ASPHALT SHINGLE
FLR FINISH - PINE
INT FINISH - PINE
HEAT & A/C - HOT WATER
FUEL TYPE - OTHER
ATTIC FNSH - FL & STAIRS

DWLG TYPE - 1 FAM
YR BUILT - 1928
STORIES - 2.0
NO ROOMS:
BASEMENT - 4
FLOOR 1 - 4
FLOOR 2 - 4
BATHS - 1.0
FIRE PL - 2

$6,320TV
$3,780LV
$2,540IV
$1,329.22CT
$2,116.69ST
LIBR 9442-0201

NASSAU, N.Y. N17

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PARCEL NUMBER BLDG UNIT
OWNERS NAME
MAILING ADDRESS
#PHONE NUMBER YRS W/SAME
*PROPERTY LOCATION PHONE

TOWNSHIP SCHOOL
MUNICIPALITY DISTRICT
TAXPAYER NAME
MAILING ADDRESS
* ATTACHED ADDITIONS *

PROPERTY USE
BUILDING DATA AND EXTRA FEATURES

STATISTICAL INFO

V A L U E S
TOTAL-TV
LAND-LV
IMPROVEMENT-IV
COUNTY TAX-CT
SCHOOL TAX-ST
SALE PRICE-SP

[redacted]

20- K- -0013-0
LATOURETTE J LATOURETTE N M L
E
1 WEST STREET
GLENWOOD LANDING NEW YORK 1154
#1 WEST ST

NORTH HEMPSTEAD 301
2289-TOWN NORTH HEMPSTEAD
MRS NELLIE M LATOURETTE
1 WEST STREET BOX 108
GLENWOOD LANDING NY 11547
LOT SIZE- 324.00 X 146.00
ATTACHED ADDITIONS

FLOOR	B	1	2	3	SQFT
		OP			68
		OP			176
		OP			147

280.01-MULTI-RESIDENCE
TOT AREA-841 SF
GF AREA-450 SF
FOUNDATION - BRICK WALLS
BSMT AREA - FULL BSMT-P/FIN
EXT WALLS - FRAME
ROOF TYPE - GABLE
ROOFING - ASPHALT SHINGLE
FLR FINISH - SINGLE FL
INT FINISH - PINE
HEAT & A/C - PIPELESS
FUEL TYPE - OTHER
COTTAGE -1.0 FR 19 X 16

DWLG TYPE - 1 FAM
YR BUILT - 1888
STORIES - 2.0
NO ROOMS:
BASEMENT - 2
FLOOR 1 - 2
FLOOR 2 - 2
BATHS - 1.0

$4,300TV
$2,460LV
$1,840IV
$761.42CT
$1,440.16ST
LIBR 9614-0636
PREV SALE:
DATE 01-81
LIBR 9316-0739

20- L- -0003-0
BIANCO BARBARA WEISS
NORTHERN BLVD
OLD BROOKVILLE NEW YORK 11545
* N HEMPSTEAD TPKE

OYSTER BAY 062
2415-OLD BROOKVILLE
LOT SIZE- 8.60AC
ATTACHED ADDITIONS

FLOOR	B	1	2	3	SQFT
		FR			258
		FR	FA		264
		FG	QT		578
		FR	FA		257

250.01-ESTATE-RESIDENCE
TOT AREA-3229 SF
GF AREA-1872 SF
FOUNDATION - CONCRETE WALLS
BSMT AREA - 3/4 BSMT
EXT WALLS - FRAME W/COM BRK
ROOF TYPE - HIP
ROOFING - SLATE-STD WT
FLR FINISH - HARDWOOD
INT FINISH - ENAMELED
HEAT & A/C - STEAM
FUEL TYPE - OIL
ATTIC FNSH - FL & STAIRS
STABLE -25 X 58
POOL-HEAT -CONCRETE 18 X 42
WALK/POOL -32 X 32

DWLG TYPE - 1 FAM
YR BUILT - 1931
STORIES - 2.0
NO ROOMS:
FLOOR 1 - 7
FLOOR 2 - 9
BATHS - 5.5
FIRE PL - 3+

$44,960TV
$9,420LV
$35,540IV
$3,282.98CT
$15,058.00ST
$950,000SP
DATE 08-84
LIBR 9577-0218
PREV SALE:
$320,000SP
DATE 01-78
LIBR 9089-0899

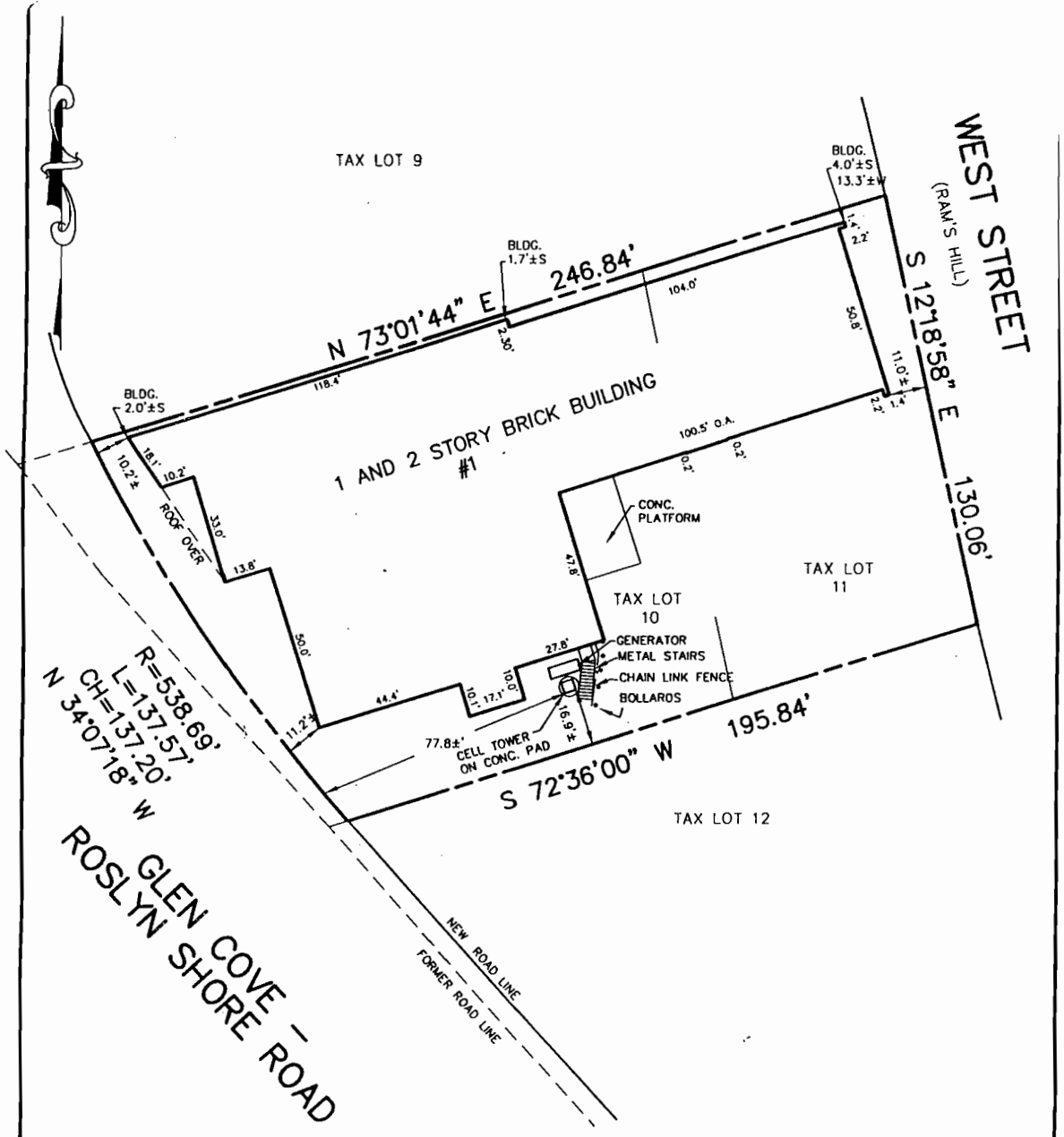
ATTACHED ADDITIONS

FLOOR	B	1	2	3	SQFT
		OP			152
		OP			85
		FR			513

TOT AREA-1971 SF
GF AREA-1221 SF
FOUNDATION - CONCRETE WALLS
BSMT AREA - FULL BSMT
EXT WALLS - FRAME
ROOF TYPE - GABLE
ROOFING - ASPHALT SHINGLE
FLR FINISH - PINE

CARD NO - 2
DWLG TYPE - 1 FAM
STORIES - 1.0
NO ROOMS:
FLOOR 1 - 5
BATHS - 2.0

EARINGS AND DISTANCES IN KEEPING WITH SURVEY PREPARED BY JOSEPH E. DIOGUARDI LAST DATED 7-13-66.



LOCATION DETAIL

MAP PREPARED TO DEPICT LOCATIONS OF BUILDING,GENERATOR AND CELL TOWER ONLY.
NO OTHER FIELD WORK DONE. NOT A TITLE SURVEY.

PREPARED FOR: BELL ATLANTIC

MAP OF: DESCRIPTIVE PARCEL

LOCATION: GLENWOOD LANDING, NASSAU CO., NY

THE SEAR-BROWN GROUP
FULL SERVICE DESIGN PROFESSIONALS
229 SEVENTH STREET
GARDEN CITY, NEW YORK 11530-5727
516-739-2901 FAX: 516-739-1206
www.searbrown.com

SCALE	DRAWN	CHECKED
1"=40'	MF	TMS
DATE	MAP NUMBER	
5-17-00		

<1649493/LD-10>

Town of North Hempstead
BUILDING DEPARTMENT
CORNELIUS O'CONNOR
Manager
MANHASSET, N. Y.

File No. 55-2513 Permit Fee 3.00 Date 6/24/55 Permit No. 22369
Building No. 33850 Job. No.

APPLICATION FOR PLUMBING PERMIT

To be used for installation of plumbing in newly constructed buildings.

INSTRUCTIONS

This application shall be in ink or typewritten and filed in triplicate. Unless previously filed with building application plans of plumbing, floor and vertical, shall be submitted in duplicate, one set to be filed with the Department and duplicate set bearing approval of the Building Official to be kept on the work and exhibited on demand to the Building Official of the Town of North Hempstead or his authorized agent. No application for plumbing permit will be accepted unless such plans have been filed. All vertical lines of soil, waste, leader and refrigerator pipes shall be designated by numbers or letters. A soil or waste line and its attendant vent line may be considered as one stack and so numbered or lettered. All work must conform to the Building Code.

WHEN THIS APPLICATION IS APPROVED IT BECOMES A PERMIT AND MUST BE KEPT ON THE PREMISES UNTIL COMPLETION OF THE WORK AUTHORIZED HEREIN.

APPLICATION IS HEREBY MADE to the Building Official of the Town of North Hempstead for approval of the detailed statement and plans herewith submitted for the installation of plumbing and drainage as herein described.

Owner WALTER RERAT Address 135-15 130TH PLACE SOUTH OZONE PARK 20, N.Y.

Location (Nassau County Tax Map):

Sec. No. 20 Block No. K Lot No. 10

EAST side of SHORE ROAD Street 400 feet

North of INTERVALE (Nearest Intersection) GLENWOOD LANDING (Post Office)

How will building be occupied? MACHINE SHOP

552513

SPECIFICATIONS

How will sewage and drainage be disposed of? Sewer, septic tank, cesspool? SEPTIC TANK

If septic tank or cesspool give size x

x x Location

House Sewers—Number 1 Material TRANSITE Diameter 5" Fall per foot 1"

House Traps—Number 1 Material CAST IRON Diameter 4" inches.

Fresh-air Inlets—Number 1 Material CAST IRON Diameter 4" Location SIDE OF BUILD.

House Drains—Number 1 Material CAST IRON Diameter 4" Fall per foot 1"

Soil Lines—Number 1 Material CAST IRON Diameter 4"

Waste Lines—Number 3 Material CAST IRON Diameter 3"

Vent Lines—Number 5 Material GALV. Diameter 2"

Refrigerator Waste Lines—Number 0 Material Diameter

How will drainage be provided for courtyard and roof drains? (not less than 10 feet from building).

CESS POOLS

Will grease trap be installed? NO Size

Location of grease trap

How will the floor of water-closet compartment be made waterproof? CEMENT

Size of Water Meter 3/4"

Kind of pipe for Water Service K COPPER Size of Water Service 1"

NO WORK IS TO BE STARTED UNTIL PERMIT HAS BEEN RECEIVED

5-49 2M G ORIGINAL

BUILDING DEPARTMENT
Town of North Hempstead

PLOT DIAGRAM

Permit No. .....

Owner Louis J. Gerbon

Builder .....

Nassau County Tax Map Description:

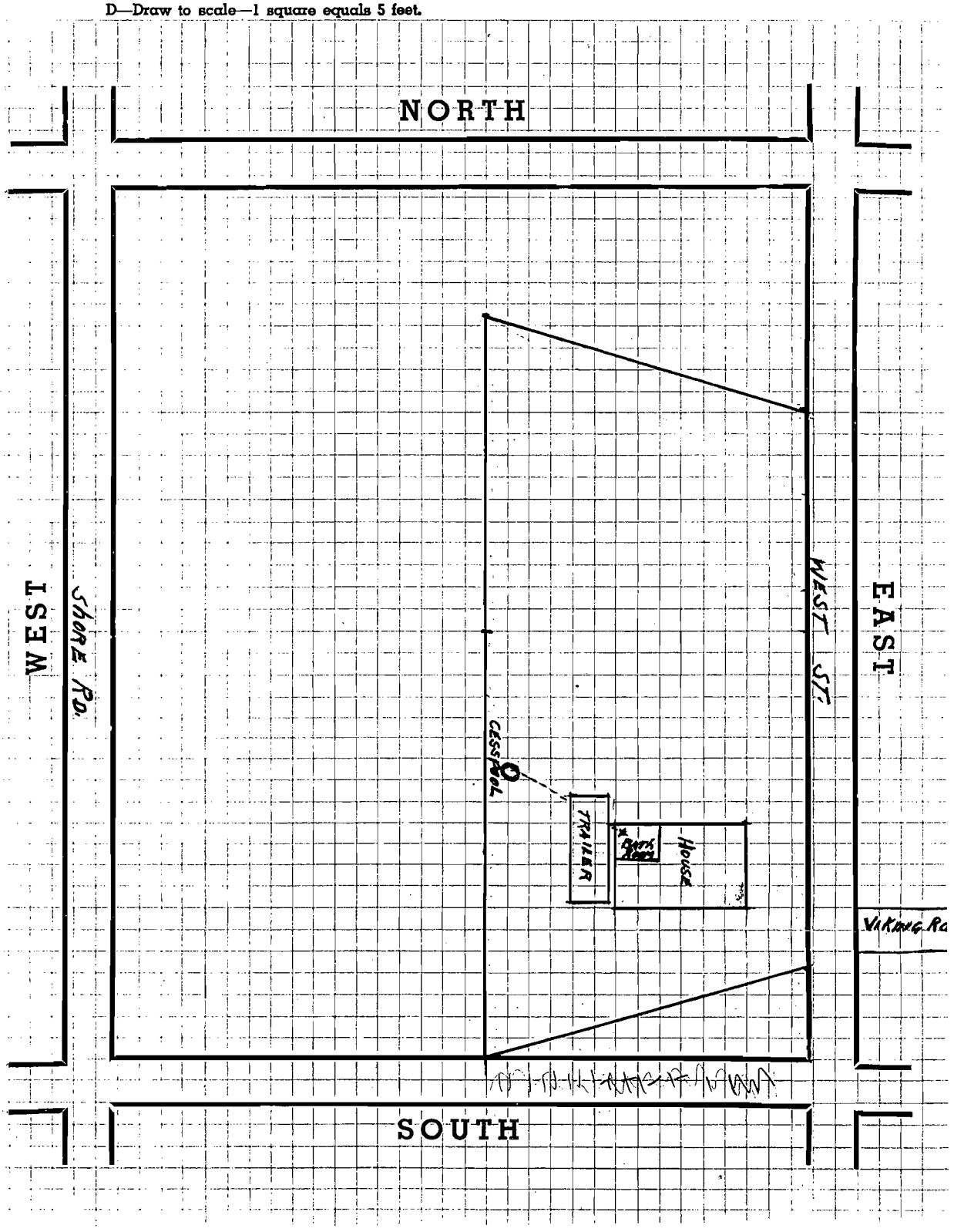
Sec. No. 20 Block No. K Lot No. 11 Zone .....

A—This information may be obtained from the Town Tax Bill.

B—Locate clearly and distinctly all buildings, whether existing or proposed, and indicate the number of feet from all property lines. Give lot and block number, distance from nearest intersecting street and show street names and indicate whether interior or corner lot.

C—Indicate approximate location of buildings on adjoining plots.

D—Draw to scale—1 square equals 5 feet.



APPENDIX B

SOIL BORING LOGS

BORING REPORT

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, New York 11716

SHEET 1 OF 1

DATE STARTED: November 14, 2001	DATE FINISHED: 14-Nov-01	BORING NO.: SB-1
CLIENT:		PROJECT NO.: PEN 0001
PROJECT NAME & LOCATION: Penetrex / Glenwood Landing		PREPARED BY: AMS
CONTRACOR: Trade Winds	LOGGED BY: AMS	DRILLER: Willie Garcia
DTW : 19 feet approx.		SURFACE CONDITIONS: Grated cover

DEPTH BELOW GRADE	PID READINGS (ppm)	SAMPLE TYPE AND NO.	SAMPLE DEPTH (FROM-TO)	SAMPLE MOISTURE CONTENT	SAMPLE RECOVERY	TIME	remarks	DESCRIPTION & REMARKS TRACE=0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
0								Void space to 8' bls
								!
								!
4								!
								!
								!
								!
8								V
	1.0	#1*	8.0'-10.0'	dry	1.0	1000		Sand; med to fine grain (brown)
12	1.0	#2	10.0'-12.0'	dry	0.5	1030	Dark staining	Sand ; med to fine grain (black)
							12-16 bls.	
	18.0	#3*	12.5'-14.5'	dry	1.5	1042		Sand ; med to fine grain (black)
16								
	2.0	#4	15'-17'	moist	2.0	1054		Sand ; med to fine grain (light brown)
							L.B. LOST	
DTW 19							restart@ 19'	
20								
	0.0	#5*	19'-21'	wet	2.0	1220		Sand ; med to fine grain (light brown)
23	0.0	#6	21'-23'	wet	2.0	1250		Sand ; med to fine grain (light brown)
		* = submitted						Stop boring @ 23' bls
								Submitted for 8 RCRA metals
								as per Tara King (DEC) & Jim Rhodes

BORING REPORT

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, New York 11716

SHEET 1 OF 1

DATE STARTED: November 14, 2001	DATE FINISHED: 15-Nov, 01	BORING NO.: SB-2
CLIENT:		PROJECT NO.: PEN 0001
PROJECT NAME & LOCATION: Penetrex / Glenwood Landing		PREPARED BY: AMS
CONTRACOR: Trade Winds	LOGGED BY: AMS	DRILLER: Willie Garcia
DTW : 12 feet approx.		SURFACE CONDITIONS: Grated cover

DEPTH BELOW GRADE	PID READINGS (ppm)	SAMPLE TYPE AND NO.	SAMPLE DEPTH (FROM-TO)	SAMPLE MOISTURE CONTENT	SAMPLE RECOVERY	TIME	remarks	DESCRIPTION & REMARKS TRACE=0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
0								
	0	#1	0'-2'	dry	2.0	1310		Sand ; med to fine grain (brown)
4	0.0	#2*	2'-4'	dry	2.0	1320		Sand ; med to fine grain (brown)
	0.0	#3	4'-6'	dry	2.0	1330		Sand ; med to fine grain (light brown-orange-dark brown)
8	0.0	#4*	6'-8'	moist	2.0	1340		Sand ; med to fine grain (light brown)
		#5	8'-10'	moist	refusal	1350		No sample
DTW 12	0.0	#6	10'-12'	wet	2.0	1355		Sand ; med to fine grain (light to dark brown)
	0.0	#7*	12'-14'	wet	2.0	1400		Sand ; med to fine grain (light brown)
16	0.0	#8	14'-16'	wet	2.0	1540		Sand ; med to fine grain (light brown)
						on 11-15-01		
			* = submitted					Stop boring @ 16 feet

BORING REPORT	P.W. Grosser Consulting 630 Johnson Avenue, Suite 7 Bohemia, New York 11716	SHEET 1 OF 1

DATE STARTED: November 14, 2001	DATE FINISHED: 14-Nov-01	BORING NO.: SB-3
CLIENT:		PROJECT NO.: PEN0001
PROJECT NAME & LOCATION: Penetrex / Glenwood Landing		PREPARED BY: AMS
CONTRACOR: Trade Winds	LOGGED BY: AMS	DRILLER: Willie Garcia
DTW : 10 feet approx.		SURFACE CONDITIONS: Grated cover

DEPTH BELOW GRADE	PID READINGS (ppm)	SAMPLE TYPE AND NO.	SAMPLE DEPTH (FROM-TO)	SAMPLE MOISTURE CONTENT	SAMPLE RECOVERY	TIME	remarks	DESCRIPTION & REMARKS TRACE=0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
0								
	0	#1	0-2	dry	0.5	1410		Sand ; med to fine grain (black)
4	0.0	#2*	2'-4'	dry	1.5	1420	Petro oder	Sand ; med to fine grain (black)
	0.0	#3	4'-6'	dry	1.0	1430		Sand ; med to fine grain (black)
8	0.0	#4	6'-8'	moist	1.5	1440	8-10 staining	Sand ; med to fine grain (black staining)
DTW 10	2.0	#5*	8'-10'	wet	2.0	1450		No staining
12	0.0	#6	10'-12'	wet	1.0	1500		Sand ; med to fine grain (white)
	0.0	#7*	12'-14'	wet	2.0	1510		Sand ; med to fine grain (light brown)
16								
		* = submitted						

BORING REPORT

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, New York 11716

SHEET 1 OF 1

DATE STARTED: November 15, 2001	DATE FINISHED: 15-Nov-01	BORING NO.: SB-4	
CLIENT:		PROJECT NO.: PEN 0001	
PROJECT NAME & LOCATION: Penetrex / Glenwood Landing		PREPARED BY: AMS	
CONTRACOR: Trade Winds	LOGGED BY: AMS	DRILLER: Willie Garcia	
DTW : 11 feet approx.		SURFACE CONDITIONS: Grated cover	

DEPTH BELOW GRADE	PID READINGS (ppm)	SAMPLE TYPE AND NO.	SAMPLE DEPTH (FROM-TO)	SAMPLE MOISTURE CONTENT	SAMPLE RECOVERY	TIME	remarks	DESCRIPTION & REMARKS TRACE=0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
0								
								Void space to 11 bls.
								1
4								1
								1
								1
								1
8								1
								1
								1
DTW 11								V
12								
	1.0	#1*	11'-13'	wet	2.0	1005	Hard to push	Sand ; med to fine grain (Tan)
							2 feet	
							Slight staining	
16								
	1.0	#2*	13'-17'	wet	4.0	1020		Sand ; med to fine grain (black to brown)
								16'bls = 3" clay layer
								Sand med to fine grain (grey to light brown)
20								
	0.0	#3*	17'-21'	wet	4.0	1035		
								Stop boring @ 21'bls
		* = submitted						

BORING REPORT

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, New York 11716

SHEET 1 OF 1

DATE STARTED: November 15, 2001	DATE FINISHED: 15-Nov-2001	BORING NO.: SB-5	
CLIENT:		PROJECT NO.: PEN 0001	
PROJECT NAME & LOCATION: Penetrex / Glenwood Landing		PREPARED BY: AMS	
CONTRACOR: Trade Winds	LOGGED BY: AMS	DRILLER: Willie Garcia	
DTW : feet		SURFACE CONDITIONS: Con Grated cover	

DEPTH BELOW GRADE	PID READINGS (ppm)	SAMPLE TYPE AND NO.	SAMPLE DEPTH (FROM-TO)	SAMPLE MOISTURE CONTENT	SAMPLE RECOVERY	TIME	remarks	DESCRIPTION & REMARKS TRACE=0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
0								Void space to 14' bls.
								I
								I
4								I
								I
								I
								I
8								I
								I
								I
								I
12								I
								I
	18.0						14'-16' = staining	V
	90 (hs)							Initial readings were 50-90 ppm
DTW 16	50 (hs)						Staining	
	100 (hs)	#1*	14'-18'	wet	2.0	1155		Sand ; med to fine grain (light brown)
								15'-16' = (grey staining)
20								
	100 (hs)	#2*	18' - 22'	wet	1.5	1227		Sand ; med to fine grain (brown)
	220 (hs)							clay sections approx. I" thick
25	50 (hs)							
	3 (hs)	#3*	22'- 26'	wet	4.0	1340		Sand medium to fine grain (brown-grey)
								Stop boring @ 26' bls
	(hs) =	head space						Taking section 25'-26' bls for sample
		* = submitted						reading on PID =3 ppm

BORING REPORT

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, New York 11716

SHEET 1 OF 1

DATE STARTED: November 15, 2001	DATE FINISHED: 15-Nov-2001	BORING NO.: SB-6	
CLIENT:		PROJECT NO.: PEN 0001	
PROJECT NAME & LOCATION: Penetrex / Glenwood Landing		PREPARED BY: AMS	
CONTRACOR: Trade Winds	LOGGED BY: AMS	DRILLER: Willie Garcia	
DTW : 11 feet		SURFACE CONDITIONS: Concrete 4 inches	

DEPTH BELOW GRADE	PID READINGS (ppm)	SAMPLE TYPE AND NO.	SAMPLE DEPTH (FROM-TO)	SAMPLE MOISTURE CONTENT	SAMPLE RECOVERY	TIME	remarks	DESCRIPTION & REMARKS TRACE=0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
0								Back fill to 9' bls.-Sand (brown) backfill
								I
								I
4	0.0	#1	0'- 4'	dry/moist	4.0	1420		I
								I
								I
								I
8	0.0	#2	4' - 8'		4.0	14435		I
9								V
10								
DTW 11		*	10'- 11'	moist				Sand ; med to fine grain (brown)
12	2.0	#3			4.0	1440	Dark staining	
		*	12'- 13'	wet			12' - 14'	Sand ; med to fine grain (dark brown)
14								stained sample taken
16	0.0	#4*	15' -16'	wet	4.0	1500		Sand med to fine grain (brown)
								Refusal at initial location
		* = submitted						moved to the south 3'

APPENDIX C

WELL SAMPLING LOGS

P.W GROSSER CONSULTING
ENGINEER AND HYDROGEOLOGIST, P.C.

WELL SAMPLING LOG

CLIENT/PROJECT No. Penetrex / PEN0101

WELL No./OWNER PX-MW-1 / Penetrex

SAMPLING POINT PX-MW-1

SAMPLE I.D. No. MW-1 SAMPLED BY AMS

DATE SAMPLED 11/13/01 TIME 0945

WELL USE Groundwater monitoring

STATIC WATER ELEV. 19.67 FT. BELOW MEASURING POINT TOC

WELL DIAMETER 4 INCHES

TOTAL WELL DEPTH 27.05 FT. BELOW MEASURING POINT TOC

SAMPLING INFORMATION

PURGING METHOD Submersible pump

PURGING RATE ~1.0 GAL/MIN. PURGING TIME 15 MIN.

No. CASING VOLUMES REMOVED: 3+ GALLONS: 15

WELL DRAWDOWN/RECOVERY Good

SAMPLE APPEARANCE Clear

ODORS OBSERVED None

CONDUCTIVITY 165 us pH 7.5

TEMPERATURE 54 °F

SAMPLES ANALYZED FOR VOCs by Method 8260

LABORATORY/DATE SHIPPED Ecotest / 11/13/01

COMMENTS, LOCATION SKETCH, WELL-HEAD SKETCH, ETC.

	1 Vol. (1)	2 Vol. (2)	3 Vol. (3)
pH	7.5	7.1	7.1
Cond. (us)	165	185	198
T°F	55	54	54

P.W GROSSER CONSULTING
ENGINEER AND HYDROGEOLOGIST, P.C.

WELL SAMPLING LOG

CLIENT/PROJECT No. Penetrex / PEN0101

WELL No./OWNER PX-MW-2 / Penetrex

SAMPLING POINT PX-MW-2

SAMPLE I.D. No. MW-2 SAMPLED BY AMS

DATE SAMPLED 11/13/01 TIME 1030

WELL USE Groundwater monitoring

STATIC WATER ELEV. 12.06 FT. BELOW MEASURING POINT TOC

WELL DIAMETER 4 INCHES

TOTAL WELL DEPTH 18.12 FT. BELOW MEASURING POINT TOC

SAMPLING INFORMATION

PURGING METHOD Submersible pump

PURGING RATE ~1.0 GAL/MIN. PURGING TIME 13 MIN.

No. CASING VOLUMES REMOVED: 3+ GALLONS: 13

WELL DRAWDOWN/RECOVERY Good

SAMPLE APPEARANCE Slightly turbid, brown

ODORS OBSERVED None

CONDUCTIVITY 131 us pH 7.1

TEMPERATURE 55 °F

SAMPLES ANALYZED FOR VOCs by Method 8260

LABORATORY/DATE SHIPPED Ecotest / 11/13/01

COMMENTS, LOCATION SKETCH, WELL-HEAD SKETCH, ETC.

	1 Vol. (1)	2 Vol. (2)	3 Vol. (3)
pH	7.4	7.2	7.1
Cond. (us)	108	122	131
T°F	53	54	55

P.W GROSSER CONSULTING
ENGINEER AND HYDROGEOLOGIST, P.C.

WELL SAMPLING LOG

CLIENT/PROJECT No. Penetrex / PEN0101

WELL No./OWNER PX-MW-3 / Penetrex

SAMPLING POINT PX-MW-3

SAMPLE I.D. No. MW-3 SAMPLED BY AMS

DATE SAMPLED 11/13/01 TIME 1200

WELL USE Groundwater monitoring

STATIC WATER ELEV. 10.60 FT. BELOW MEASURING POINT TOC

WELL DIAMETER 4 INCHES

TOTAL WELL DEPTH 20.35 FT. BELOW MEASURING POINT TOC

SAMPLING INFORMATION

PURGING METHOD Submersible pump

PURGING RATE ~1.0 GAL/MIN. PURGING TIME 20 MIN.

No. CASING VOLUMES REMOVED: 3+ GALLONS: 20

WELL DRAWDOWN/RECOVERY Good

SAMPLE APPEARANCE Clear with suspended black particles

ODORS OBSERVED None

CONDUCTIVITY 372 us pH 7.2

TEMPERATURE 55 °F

SAMPLES ANALYZED FOR VOCs by Method 8260

LABORATORY/DATE SHIPPED Ecotest / 11/13/01

COMMENTS, LOCATION SKETCH, WELL-HEAD SKETCH, ETC.

	1 Vol. (1)	2 Vol. (2)	3 Vol. (3)
pH	6.9	7.0	7.2
Cond. (us)	432	387	312
T°F	54	54	55

P.W GROSSER CONSULTING
ENGINEER AND HYDROGEOLOGIST, P.C.

WELL SAMPLING LOG

CLIENT/PROJECT No. Penetrex / PEN0101

WELL No./OWNER PX-MW-4 / Penetrex

SAMPLING POINT PX-MW-4

SAMPLE I.D. No. MW-4 SAMPLED BY AMS

DATE SAMPLED 11/13/01 TIME 1300

WELL USE Groundwater monitoring

STATIC WATER ELEV. 11.31 FT. BELOW MEASURING POINT TOC

WELL DIAMETER 4 INCHES

TOTAL WELL DEPTH 19.35 FT. BELOW MEASURING POINT TOC

SAMPLING INFORMATION

PURGING METHOD Submersible pump

PURGING RATE ~1.0 GAL/MIN. PURGING TIME 17 MIN.

No. CASING VOLUMES REMOVED: 3+ GALLONS: 17

WELL DRAWDOWN/RECOVERY Good

SAMPLE APPEARANCE Slightly turbid, orangish brown

ODORS OBSERVED Very slight septic

CONDUCTIVITY 365 us pH 7.2

TEMPERATURE 54 °F

SAMPLES ANALYZED FOR VOCs by Method 8260

LABORATORY/DATE SHIPPED Ecotest / 11/13/01

COMMENTS, LOCATION SKETCH, WELL-HEAD SKETCH, ETC.

	1 Vol. (1)	2 Vol. (2)	3 Vol. (3)
pH	6.9	7.1	7.2
Cond. (us)	390	374	365
T°F	55	54	54

APPENDIX D

ECOTEST LABORATORIES REPORTS

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO:215986.01 11/28/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/14/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-1 8'-10', 1000

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5	2-Hexanone	ug/Kg	<50
Bromomethane	ug/Kg	<5	Tetrachloroethene	ug/Kg	250
Vinyl Chloride	ug/Kg	<5	Toluene	ug/Kg	<5
Chloroethane	ug/Kg	<5	1122Tetrachloroethan	ug/Kg	<5
Methylene Chloride	ug/Kg	<5	Chlorobenzene	ug/Kg	<5
Acetone	ug/Kg	<50	Ethyl Benzene	ug/Kg	<5
Carbon disulfide	ug/Kg	<5	Styrene	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5	o Xylene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5	m + p Xylene	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	<10	Xylene	ug/Kg	<15
Chloroform	ug/Kg	<5			
1,2 Dichloroethane	ug/Kg	<5			
2-Butanone	ug/Kg	<50	% Solids		90
111 Trichloroethane	ug/Kg	<5			
Carbon Tetrachloride	ug/Kg	<5			
Bromodichloromethane	ug/Kg	<5			
1,2 Dichloropropane	ug/Kg	<5			
c-1,3Dichloropropene	ug/Kg	<5			
Trichloroethene	ug/Kg	<5			
Chlorodibromomethane	ug/Kg	<5			
112 Trichloroethane	ug/Kg	<5			
Benzene	ug/Kg	<5			
t-1,3Dichloropropene	ug/Kg	<5			
Bromoform	ug/Kg	<5			
4-Methyl-2-Pentanone	ug/Kg	<50			

cc:

REMARKS: EPA Method 8260.

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO:215986.01 11/28/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/14/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-1 8'-10', 1000

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	1.4	
Barium as Ba	mg/Kg	9.7	
Cadmium as Cd	mg/Kg	0.72	
Chromium as Cr	mg/Kg	15	
Lead as Pb	mg/Kg	27	
Mercury as Hg	mg/Kg	0.019	
Selenium as Se	mg/Kg	<0.4	
Silver as Ag	mg/Kg	<0.5	

cc:

REMARKS: EPA Methods; Metals-6010, except Mercury-7470A

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO:215986.02 11/28/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/14/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-1 12'5''-14'5'', 1042

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5	2-Hexanone	ug/Kg	<50
Bromomethane	ug/Kg	<5	Tetrachloroethene	ug/Kg	94
Vinyl Chloride	ug/Kg	<5	Toluene	ug/Kg	<5
Chloroethane	ug/Kg	<5	1122Tetrachloroethan	ug/Kg	<5
Methylene Chloride	ug/Kg	<5	Chlorobenzene	ug/Kg	<5
Acetone	ug/Kg	<50	Ethyl Benzene	ug/Kg	<5
Carbon disulfide	ug/Kg	<5	Styrene	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5	o Xylene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5	m + p Xylene	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	<10	Xylene	ug/Kg	<15
Chloroform	ug/Kg	<5			
1,2 Dichloroethane	ug/Kg	<5			
2-Butanone	ug/Kg	<50	% Solids		91
111 Trichloroethane	ug/Kg	<5			
Carbon Tetrachloride	ug/Kg	<5			
Bromodichloromethane	ug/Kg	<5			
1,2 Dichloropropane	ug/Kg	<5			
c-1,3Dichloropropene	ug/Kg	<5			
Trichloroethene	ug/Kg	<5			
Chlorodibromomethane	ug/Kg	<5			
112 Trichloroethane	ug/Kg	<5			
Benzene	ug/Kg	<5			
t-1,3Dichloropropene	ug/Kg	<5			
Bromoform	ug/Kg	<5			
4-Methyl-2-Pentanone	ug/Kg	<50			

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.02 11/28/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/14/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-1 12'5''-14'5'', 1042

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	0.67	
Barium as Ba	mg/Kg	5.4	
Cadmium as Cd	mg/Kg	<0.5	
Chromium as Cr	mg/Kg	2.4	
Lead as Pb	mg/Kg	7.1	
Mercury as Hg	mg/Kg	0.0088	
Selenium as Se	mg/Kg	<0.4	
Silver as Ag	mg/Kg	<0.5	

cc:

REMARKS: EPA Methods; Metals-6010, except Mercury-7470A

DIRECTOR

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LAB NO:215986.03 11/28/01

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ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/14/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-1 19'-21', 1220

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5	2-Hexanone	ug/Kg	<50
Bromomethane	ug/Kg	<5	Tetrachloroethene	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5	Toluene	ug/Kg	<5
Chloroethane	ug/Kg	<5	1122Tetrachloroethan	ug/Kg	<5
Methylene Chloride	ug/Kg	<5	Chlorobenzene	ug/Kg	<5
Acetone	ug/Kg	<50	Ethyl Benzene	ug/Kg	<5
Carbon disulfide	ug/Kg	<5	Styrene	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5	o Xylene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5	m + p Xylene	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	<10	Xylene	ug/Kg	<15
Chloroform	ug/Kg	<5			
1,2 Dichloroethane	ug/Kg	<5			
2-Butanone	ug/Kg	<50	% Solids		86
111 Trichloroethane	ug/Kg	<5			
Carbon Tetrachloride	ug/Kg	<5			
Bromodichloromethane	ug/Kg	<5			
1,2 Dichloropropane	ug/Kg	<5			
c-1,3Dichloropropene	ug/Kg	<5			
Trichloroethene	ug/Kg	<5			
Chlorodibromomethane	ug/Kg	<5			
112 Trichloroethane	ug/Kg	<5			
Benzene	ug/Kg	<5			
t-1,3Dichloropropene	ug/Kg	<5			
Bromoform	ug/Kg	<5			
4-Methyl-2-Pentanone	ug/Kg	<50			

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.03 11/28/01

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ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/14/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-1 19'-21', 1220

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	<0.5	
Barium as Ba	mg/Kg	1.4	
Cadmium as Cd	mg/Kg	<0.5	
Chromium as Cr	mg/Kg	1.7	
Lead as Pb	mg/Kg	0.88	
Mercury as Hg	mg/Kg	<0.005	
Selenium as Se	mg/Kg	<0.4	
Silver as Ag	mg/Kg	<0.5	

cc:

REMARKS: EPA Methods; Metals-6010, except Mercury-7470A

DIRECTOR

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LAB NO:215986.04 11/28/01

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ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/14/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-2 2'-4', 1320

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5
Bromomethane	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5
Chloroethane	ug/Kg	<5
Methylene Chloride	ug/Kg	<5
Acetone	ug/Kg	<50
Carbon disulfide	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5
1,2 Dichloroethene	ug/Kg	<10
Chloroform	ug/Kg	<5
1,2 Dichloroethane	ug/Kg	<5
2-Butanone	ug/Kg	<50
111 Trichloroethane	ug/Kg	<5
Carbon Tetrachloride	ug/Kg	<5
Bromodichloromethane	ug/Kg	<5
1,2 Dichloropropane	ug/Kg	<5
c-1,3Dichloropropene	ug/Kg	<5
Trichloroethene	ug/Kg	5
Chlorodibromomethane	ug/Kg	<5
112 Trichloroethane	ug/Kg	<5
Benzene	ug/Kg	<5
t-1,3Dichloropropene	ug/Kg	<5
Bromoform	ug/Kg	<5
4-Methyl-2-Pentanone	ug/Kg	<50

ANALYTICAL PARAMETERS		
2-Hexanone	ug/Kg	<50
Tetrachloroethene	ug/Kg	92
Toluene	ug/Kg	14
1122Tetrachloroethan	ug/Kg	<5
Chlorobenzene	ug/Kg	<5
Ethyl Benzene	ug/Kg	<5
Styrene	ug/Kg	<5
o Xylene	ug/Kg	<5
m + p Xylene	ug/Kg	<10
Xylene	ug/Kg	<15
% Solids		87

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.05 11/28/01

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ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/14/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-2 6'-8', 1340

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5	2-Hexanone	ug/Kg	<50
Bromomethane	ug/Kg	<5	Tetrachloroethene	ug/Kg	7
Vinyl Chloride	ug/Kg	<5	Toluene	ug/Kg	<5
Chloroethane	ug/Kg	<5	1122Tetrachloroethan	ug/Kg	<5
Methylene Chloride	ug/Kg	<5	Chlorobenzene	ug/Kg	<5
Acetone	ug/Kg	<50	Ethyl Benzene	ug/Kg	<5
Carbon disulfide	ug/Kg	<5	Styrene	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5	o Xylene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5	m + p Xylene	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	<10	Xylene	ug/Kg	<15
Chloroform	ug/Kg	<5			
1,2 Dichloroethane	ug/Kg	<5			
2-Butanone	ug/Kg	<50	% Solids		91
111 Trichloroethane	ug/Kg	<5			
Carbon Tetrachloride	ug/Kg	<5			
Bromodichloromethane	ug/Kg	<5			
1,2 Dichloropropane	ug/Kg	<5			
c-1,3Dichloropropene	ug/Kg	<5			
Trichloroethene	ug/Kg	<5			
Chlorodibromomethane	ug/Kg	<5			
112 Trichloroethane	ug/Kg	<5			
Benzene	ug/Kg	<5			
t-1,3Dichloropropene	ug/Kg	<5			
Bromoform	ug/Kg	<5			
4-Methyl-2-Pentanone	ug/Kg	<50			

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.06 11/28/01

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ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/14/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-2 12'-14', 1400

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<10	2-Hexanone	ug/Kg	<100
Bromomethane	ug/Kg	<10	Tetrachloroethene	ug/Kg	<10
Vinyl Chloride	ug/Kg	<10	Toluene	ug/Kg	<10
Chloroethane	ug/Kg	<10	1122Tetrachloroethan	ug/Kg	<10
Methylene Chloride	ug/Kg	<10	Chlorobenzene	ug/Kg	<10
Acetone	ug/Kg	140	Ethyl Benzene	ug/Kg	<10
Carbon disulfide	ug/Kg	<10	Styrene	ug/Kg	<10
1,1 Dichloroethene	ug/Kg	<10	o Xylene	ug/Kg	<10
1,1 Dichloroethane	ug/Kg	<10	m + p Xylene	ug/Kg	<20
1,2 Dichloroethene	ug/Kg	<20	Xylene	ug/Kg	<30
Chloroform	ug/Kg	<10			
1,2 Dichloroethane	ug/Kg	<10			
2-Butanone	ug/Kg	<100	% Solids		76
111 Trichloroethane	ug/Kg	<10			
Carbon Tetrachloride	ug/Kg	<10			
Bromodichloromethane	ug/Kg	<10			
1,2 Dichloropropane	ug/Kg	<10			
c-1,3Dichloropropene	ug/Kg	<10			
Trichloroethene	ug/Kg	<10			
Chlorodibromomethane	ug/Kg	<10			
112 Trichloroethane	ug/Kg	<10			
Benzene	ug/Kg	<10			
t-1,3Dichloropropene	ug/Kg	<10			
Bromoform	ug/Kg	<10			
4-Methyl-2-Pentanone	ug/Kg	<100			

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.07 11/28/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
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ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/14/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-3 2'-4', 1420

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5
Bromomethane	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5
Chloroethane	ug/Kg	<5
Methylene Chloride	ug/Kg	<5
Acetone	ug/Kg	<50
Carbon disulfide	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5
1,2 Dichloroethene	ug/Kg	<10
Chloroform	ug/Kg	<5
1,2 Dichloroethane	ug/Kg	<5
2-Butanone	ug/Kg	<50
111 Trichloroethane	ug/Kg	<5
Carbon Tetrachloride	ug/Kg	<5
Bromodichloromethane	ug/Kg	<5
1,2 Dichloropropane	ug/Kg	<5
c-1,3Dichloropropene	ug/Kg	<5
Trichloroethene	ug/Kg	<5
Chlorodibromomethane	ug/Kg	<5
112 Trichloroethane	ug/Kg	<5
Benzene	ug/Kg	<5
t-1,3Dichloropropene	ug/Kg	<5
Bromoform	ug/Kg	<5
4-Methyl-2-Pentanone	ug/Kg	<50

ANALYTICAL PARAMETERS		
2-Hexanone	ug/Kg	<50
Tetrachloroethene	ug/Kg	16
Toluene	ug/Kg	<5
1122Tetrachloroethan	ug/Kg	<5
Chlorobenzene	ug/Kg	<5
Ethyl Benzene	ug/Kg	<5
Styrene	ug/Kg	<5
o Xylene	ug/Kg	<5
m + p Xylene	ug/Kg	<10
Xylene	ug/Kg	<15
% Solids		78

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.08 11/28/01

P.W. Grosser Consulting
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ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/14/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-3 8'-10', 1450

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<10
Bromomethane	ug/Kg	<10
Vinyl Chloride	ug/Kg	<10
Chloroethane	ug/Kg	<10
Methylene Chloride	ug/Kg	<10
Acetone	ug/Kg	170
Carbon disulfide	ug/Kg	<10
1,1 Dichloroethene	ug/Kg	<10
1,1 Dichloroethane	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	27
Chloroform	ug/Kg	<10
1,2 Dichloroethane	ug/Kg	<10
2-Butanone	ug/Kg	<100
111 Trichloroethane	ug/Kg	<10
Carbon Tetrachloride	ug/Kg	<10
Bromodichloromethane	ug/Kg	<10
1,2 Dichloropropane	ug/Kg	<10
c-1,3Dichloropropene	ug/Kg	<10
Trichloroethene	ug/Kg	<10
Chlorodibromomethane	ug/Kg	<10
112 Trichloroethane	ug/Kg	<10
Benzene	ug/Kg	<10
t-1,3Dichloropropene	ug/Kg	<10
Bromoform	ug/Kg	<10
4-Methyl-2-Pentanone	ug/Kg	<100

ANALYTICAL PARAMETERS		
2-Hexanone	ug/Kg	<100
Tetrachloroethene	ug/Kg	59
Toluene	ug/Kg	22
1122Tetrachloroethan	ug/Kg	<10
Chlorobenzene	ug/Kg	<10
Ethyl Benzene	ug/Kg	<10
Styrene	ug/Kg	<10
o Xylene	ug/Kg	16
m + p Xylene	ug/Kg	23
Xylene	ug/Kg	39
% Solids		83

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.09 11/28/01

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Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/14/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-3 12'-14', 1510

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<10
Bromomethane	ug/Kg	<10
Vinyl Chloride	ug/Kg	<10
Chloroethane	ug/Kg	<10
Methylene Chloride	ug/Kg	<10
Acetone	ug/Kg	<100
Carbon disulfide	ug/Kg	<10
1,1 Dichloroethene	ug/Kg	<10
1,1 Dichloroethane	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	<20
Chloroform	ug/Kg	<10
1,2 Dichloroethane	ug/Kg	<10
2-Butanone	ug/Kg	<100
111 Trichloroethane	ug/Kg	<10
Carbon Tetrachloride	ug/Kg	<10
Bromodichloromethane	ug/Kg	<10
1,2 Dichloropropane	ug/Kg	<10
c-1,3Dichloropropene	ug/Kg	<10
Trichloroethene	ug/Kg	<10
Chlorodibromomethane	ug/Kg	<10
112 Trichloroethane	ug/Kg	<10
Benzene	ug/Kg	<10
t-1,3Dichloropropene	ug/Kg	<10
Bromoform	ug/Kg	<10
4-Methyl-2-Pentanone	ug/Kg	<100

ANALYTICAL PARAMETERS		
2-Hexanone	ug/Kg	<100
Tetrachloroethene	ug/Kg	32
Toluene	ug/Kg	<10
1122Tetrachloroethan	ug/Kg	<10
Chlorobenzene	ug/Kg	<10
Ethyl Benzene	ug/Kg	<10
Styrene	ug/Kg	<10
o Xylene	ug/Kg	<10
m + p Xylene	ug/Kg	<20
Xylene	ug/Kg	<30
% Solids		84

cc:

REMARKS: EPA Method 8260.

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LAB NO:215986.10 11/28/01

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ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/15/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-4 11'-13', 1005

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5	2-Hexanone	ug/Kg	<50
Bromomethane	ug/Kg	<5	Tetrachloroethene	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5	Toluene	ug/Kg	<5
Chloroethane	ug/Kg	<5	1122Tetrachloroethan	ug/Kg	<5
Methylene Chloride	ug/Kg	<5	Chlorobenzene	ug/Kg	<5
Acetone	ug/Kg	<50	Ethyl Benzene	ug/Kg	<5
Carbon disulfide	ug/Kg	<5	Styrene	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5	o Xylene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5	m + p Xylene	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	<10	Xylene	ug/Kg	<15
Chloroform	ug/Kg	<5			
1,2 Dichloroethane	ug/Kg	<5			
2-Butanone	ug/Kg	<50	% Solids		82
111 Trichloroethane	ug/Kg	<5			
Carbon Tetrachloride	ug/Kg	<5			
Bromodichloromethane	ug/Kg	<5			
1,2 Dichloropropane	ug/Kg	<5			
c-1,3Dichloropropene	ug/Kg	<5			
Trichloroethene	ug/Kg	<5			
Chlorodibromomethane	ug/Kg	<5			
112 Trichloroethane	ug/Kg	<5			
Benzene	ug/Kg	<5			
t-1,3Dichloropropene	ug/Kg	<5			
Bromoform	ug/Kg	<5			
4-Methyl-2-Pentanone	ug/Kg	<50			

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.11 11/28/01

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ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/15/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-4 13'-17', 1020

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5
Bromomethane	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5
Chloroethane	ug/Kg	<5
Methylene Chloride	ug/Kg	<5
Acetone	ug/Kg	<50
Carbon disulfide	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5
1,2 Dichloroethene	ug/Kg	<10
Chloroform	ug/Kg	<5
1,2 Dichloroethane	ug/Kg	<5
2-Butanone	ug/Kg	<50
111 Trichloroethane	ug/Kg	<5
Carbon Tetrachloride	ug/Kg	<5
Bromodichloromethane	ug/Kg	<5
1,2 Dichloropropane	ug/Kg	<5
c-1,3Dichloropropene	ug/Kg	<5
Trichloroethene	ug/Kg	<5
Chlorodibromomethane	ug/Kg	<5
112 Trichloroethane	ug/Kg	<5
Benzene	ug/Kg	<5
t-1,3Dichloropropene	ug/Kg	<5
Bromoform	ug/Kg	<5
4-Methyl-2-Pentanone	ug/Kg	<50

ANALYTICAL PARAMETERS		
2-Hexanone	ug/Kg	<50
Tetrachloroethene	ug/Kg	<5
Toluene	ug/Kg	<5
1122Tetrachloroethan	ug/Kg	<5
Chlorobenzene	ug/Kg	<5
Ethyl Benzene	ug/Kg	<5
Styrene	ug/Kg	<5
o Xylene	ug/Kg	<5
m + p Xylene	ug/Kg	<10
Xylene	ug/Kg	<15
% Solids		82

cc:

REMARKS: EPA Method 8260.

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO:215986.12 11/28/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/15/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-4 17'-21', 1035

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5	2-Hexanone	ug/Kg	<50
Bromomethane	ug/Kg	<5	Tetrachloroethene	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5	Toluene	ug/Kg	<5
Chloroethane	ug/Kg	<5	1122Tetrachloroethan	ug/Kg	<5
Methylene Chloride	ug/Kg	<5	Chlorobenzene	ug/Kg	<5
Acetone	ug/Kg	<50	Ethyl Benzene	ug/Kg	<5
Carbon disulfide	ug/Kg	<5	Styrene	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5	o Xylene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5	m + p Xylene	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	<10	Xylene	ug/Kg	<15
Chloroform	ug/Kg	<5			
1,2 Dichloroethane	ug/Kg	<5			
2-Butanone	ug/Kg	<50	% Solids		82
111 Trichloroethane	ug/Kg	<5			
Carbon Tetrachloride	ug/Kg	<5			
Bromodichloromethane	ug/Kg	<5			
1,2 Dichloropropane	ug/Kg	<5			
c-1,3Dichloropropene	ug/Kg	<5			
Trichloroethene	ug/Kg	<5			
Chlorodibromomethane	ug/Kg	<5			
112 Trichloroethane	ug/Kg	<5			
Benzene	ug/Kg	<5			
t-1,3Dichloropropene	ug/Kg	<5			
Bromoform	ug/Kg	<5			
4-Methyl-2-Pentanone	ug/Kg	<50			

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.13 11/28/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/15/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-5 14'-18', 1155

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<10	2-Hexanone	ug/Kg	<100
Bromomethane	ug/Kg	<10	Tetrachloroethene	ug/Kg	<10
Vinyl Chloride	ug/Kg	<10	Toluene	ug/Kg	51
Chloroethane	ug/Kg	<10	1122Tetrachloroethan	ug/Kg	<10
Methylene Chloride	ug/Kg	<10	Chlorobenzene	ug/Kg	<10
Acetone	ug/Kg	<100	Ethyl Benzene	ug/Kg	18
Carbon disulfide	ug/Kg	<10	Styrene	ug/Kg	<10
1,1 Dichloroethene	ug/Kg	<10	o Xylene	ug/Kg	26
1,1 Dichloroethane	ug/Kg	<10	m + p Xylene	ug/Kg	57
1,2 Dichloroethene	ug/Kg	<20	Xylene	ug/Kg	83
Chloroform	ug/Kg	<10			
1,2 Dichloroethane	ug/Kg	<10			
2-Butanone	ug/Kg	<100	% Solids		81
111 Trichloroethane	ug/Kg	<10			
Carbon Tetrachloride	ug/Kg	<10			
Bromodichloromethane	ug/Kg	<10			
1,2 Dichloropropane	ug/Kg	<10			
c-1,3Dichloropropene	ug/Kg	<10			
Trichloroethene	ug/Kg	<10			
Chlorodibromomethane	ug/Kg	<10			
112 Trichloroethane	ug/Kg	<10			
Benzene	ug/Kg	<10			
t-1,3Dichloropropene	ug/Kg	<10			
Bromoform	ug/Kg	<10			
4-Methyl-2-Pentanone	ug/Kg	<100			

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.14 11/28/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
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ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/15/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-5 18'-22', 1227

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5	2-Hexanone	ug/Kg	<50
Bromomethane	ug/Kg	<5	Tetrachloroethene	ug/Kg	110
Vinyl Chloride	ug/Kg	<5	Toluene	ug/Kg	<5
Chloroethane	ug/Kg	<5	1122Tetrachloroethan	ug/Kg	<5
Methylene Chloride	ug/Kg	<5	Chlorobenzene	ug/Kg	<5
Acetone	ug/Kg	<50	Ethyl Benzene	ug/Kg	<5
Carbon disulfide	ug/Kg	<5	Styrene	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5	o Xylene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5	m + p Xylene	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	42	Xylene	ug/Kg	<15
Chloroform	ug/Kg	<5			
1,2 Dichloroethane	ug/Kg	<5			
2-Butanone	ug/Kg	<50	% Solids		83
111 Trichloroethane	ug/Kg	<5			
Carbon Tetrachloride	ug/Kg	<5			
Bromodichloromethane	ug/Kg	<5			
1,2 Dichloropropane	ug/Kg	<5			
c-1,3Dichloropropene	ug/Kg	<5			
Trichloroethene	ug/Kg	6			
Chlorodibromomethane	ug/Kg	<5			
112 Trichloroethane	ug/Kg	<5			
Benzene	ug/Kg	<5			
t-1,3Dichloropropene	ug/Kg	<5			
Bromoform	ug/Kg	<5			
4-Methyl-2-Pentanone	ug/Kg	<50			

cc:

REMARKS: EPA Method 8260.

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LAB NO:215986.15 11/28/01

P.W. Grosser Consulting
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ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/15/01 RECEIVED:11/15/01

SAMPLE: Soil sample, DW-5 25'-26', 1340

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5
Bromomethane	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5
Chloroethane	ug/Kg	<5
Methylene Chloride	ug/Kg	<5
Acetone	ug/Kg	<50
Carbon disulfide	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5
1,2 Dichloroethene	ug/Kg	<10
Chloroform	ug/Kg	<5
1,2 Dichloroethane	ug/Kg	<5
2-Butanone	ug/Kg	<50
111 Trichloroethane	ug/Kg	<5
Carbon Tetrachloride	ug/Kg	<5
Bromodichloromethane	ug/Kg	<5
1,2 Dichloropropane	ug/Kg	<5
c-1,3Dichloropropene	ug/Kg	<5
Trichloroethene	ug/Kg	<5
Chlorodibromomethane	ug/Kg	<5
112 Trichloroethane	ug/Kg	<5
Benzene	ug/Kg	<5
t-1,3Dichloropropene	ug/Kg	<5
Bromoform	ug/Kg	<5
4-Methyl-2-Pentanone	ug/Kg	<50

ANALYTICAL PARAMETERS		
2-Hexanone	ug/Kg	<50
Tetrachloroethene	ug/Kg	29
Toluene	ug/Kg	<5
1122Tetrachloroethan	ug/Kg	<5
Chlorobenzene	ug/Kg	<5
Ethyl Benzene	ug/Kg	<5
Styrene	ug/Kg	<5
o Xylene	ug/Kg	<5
m + p Xylene	ug/Kg	<10
Xylene	ug/Kg	<15
% Solids		83

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.16 11/28/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/15/01 RECEIVED:11/15/01

SAMPLE: Soil sample, SB-6 10'-11', 1440

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5	2-Hexanone	ug/Kg	<50
Bromomethane	ug/Kg	<5	Tetrachloroethene	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5	Toluene	ug/Kg	<5
Chloroethane	ug/Kg	<5	1122Tetrachloroethan	ug/Kg	<5
Methylene Chloride	ug/Kg	<5	Chlorobenzene	ug/Kg	<5
Acetone	ug/Kg	<50	Ethyl Benzene	ug/Kg	<5
Carbon disulfide	ug/Kg	<5	Styrene	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5	o Xylene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5	m + p Xylene	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	<10	Xylene	ug/Kg	<15
Chloroform	ug/Kg	<5			
1,2 Dichloroethane	ug/Kg	<5			
2-Butanone	ug/Kg	<50	% Solids		93
111 Trichloroethane	ug/Kg	<5			
Carbon Tetrachloride	ug/Kg	<5			
Bromodichloromethane	ug/Kg	<5			
1,2 Dichloropropane	ug/Kg	<5			
c-1,3Dichloropropene	ug/Kg	<5			
Trichloroethene	ug/Kg	<5			
Chlorodibromomethane	ug/Kg	<5			
112 Trichloroethane	ug/Kg	<5			
Benzene	ug/Kg	<5			
t-1,3Dichloropropene	ug/Kg	<5			
Bromoform	ug/Kg	<5			
4-Methyl-2-Pentanone	ug/Kg	<50			

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.17 11/28/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/15/01 RECEIVED:11/15/01

SAMPLE: Soil sample, SB-6 12'-13', 1440

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5	2-Hexanone	ug/Kg	<50
Bromomethane	ug/Kg	<5	Tetrachloroethene	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5	Toluene	ug/Kg	<5
Chloroethane	ug/Kg	<5	1122Tetrachloroethan	ug/Kg	<5
Methylene Chloride	ug/Kg	<5	Chlorobenzene	ug/Kg	<5
Acetone	ug/Kg	<50	Ethyl Benzene	ug/Kg	<5
Carbon disulfide	ug/Kg	<5	Styrene	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5	o Xylene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5	m + p Xylene	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	<10	Xylene	ug/Kg	<15
Chloroform	ug/Kg	<5			
1,2 Dichloroethane	ug/Kg	<5			
2-Butanone	ug/Kg	<50	% Solids		87
111 Trichloroethane	ug/Kg	<5			
Carbon Tetrachloride	ug/Kg	<5			
Bromodichloromethane	ug/Kg	<5			
1,2 Dichloropropane	ug/Kg	<5			
c-1,3Dichloropropene	ug/Kg	<5			
Trichloroethene	ug/Kg	<5			
Chlorodibromomethane	ug/Kg	<5			
112 Trichloroethane	ug/Kg	<5			
Benzene	ug/Kg	<5			
t-1,3Dichloropropene	ug/Kg	<5			
Bromoform	ug/Kg	<5			
4-Methyl-2-Pentanone	ug/Kg	<50			

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.18 11/28/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/15/01 RECEIVED:11/15/01

SAMPLE: Soil sample, SB-6 15'-16', 1500

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<5	2-Hexanone	ug/Kg	<50
Bromomethane	ug/Kg	<5	Tetrachloroethene	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5	Toluene	ug/Kg	<5
Chloroethane	ug/Kg	<5	1122Tetrachloroethan	ug/Kg	<5
Methylene Chloride	ug/Kg	<5	Chlorobenzene	ug/Kg	<5
Acetone	ug/Kg	<50	Ethyl Benzene	ug/Kg	<5
Carbon disulfide	ug/Kg	<5	Styrene	ug/Kg	<5
1,1 Dichloroethene	ug/Kg	<5	o Xylene	ug/Kg	<5
1,1 Dichloroethane	ug/Kg	<5	m + p Xylene	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	<10	Xylene	ug/Kg	<15
Chloroform	ug/Kg	<5			
1,2 Dichloroethane	ug/Kg	<5			
2-Butanone	ug/Kg	<50	% Solids		85
111 Trichloroethane	ug/Kg	<5			
Carbon Tetrachloride	ug/Kg	<5			
Bromodichloromethane	ug/Kg	<5			
1,2 Dichloropropane	ug/Kg	<5			
c-1,3Dichloropropene	ug/Kg	<5			
Trichloroethene	ug/Kg	<5			
Chlorodibromomethane	ug/Kg	<5			
112 Trichloroethane	ug/Kg	<5			
Benzene	ug/Kg	<5			
t-1,3Dichloropropene	ug/Kg	<5			
Bromoform	ug/Kg	<5			
4-Methyl-2-Pentanone	ug/Kg	<50			

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.19 11/28/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/15/01 RECEIVED:11/15/01

SAMPLE: Soil sample, A-1 (grease Pipe 8''), 1515

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<50	2-Hexanone	ug/Kg	<500
Bromomethane	ug/Kg	<50	Tetrachloroethene	ug/Kg	<50
Vinyl Chloride	ug/Kg	<50	Toluene	ug/Kg	1000
Chloroethane	ug/Kg	<50	1122Tetrachloroethan	ug/Kg	<50
Methylene Chloride	ug/Kg	<50	Chlorobenzene	ug/Kg	<50
Acetone	ug/Kg	<500	Ethyl Benzene	ug/Kg	800
Carbon disulfide	ug/Kg	<50	Styrene	ug/Kg	<50
1,1 Dichloroethene	ug/Kg	<50	o Xylene	ug/Kg	600
1,1 Dichloroethane	ug/Kg	<50	m + p Xylene	ug/Kg	3200
1,2 Dichloroethene	ug/Kg	<50	Xylene	ug/Kg	3800
Chloroform	ug/Kg	<50			
1,2 Dichloroethane	ug/Kg	<50			
2-Butanone	ug/Kg	<500	% Solids		42
111 Trichloroethane	ug/Kg	<50			
Carbon Tetrachloride	ug/Kg	<50			
Bromodichloromethane	ug/Kg	<50			
1,2 Dichloropropane	ug/Kg	<50			
c-1,3Dichloropropene	ug/Kg	<50			
Trichloroethene	ug/Kg	<50			
Chlorodibromomethane	ug/Kg	<50			
112 Trichloroethane	ug/Kg	<50			
Benzene	ug/Kg	<50			
t-1,3Dichloropropene	ug/Kg	<50			
Bromoform	ug/Kg	<50			
4-Methyl-2-Pentanone	ug/Kg	<500			

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.20 11/28/01

P.W. Grosser Consulting
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Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/15/01 RECEIVED:11/15/01

SAMPLE: Water sample, Field Blank, 1521

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Acetone	ug/L	<10
Carbon disulfide	ug/L	<1
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
2-Butanone	ug/L	<10
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
1,2 Dichloropropane	ug/L	<1
c-1,3Dichloropropene	ug/L	<1
Trichloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
112 Trichloroethane	ug/L	<1
Benzene	ug/L	<1
t-1,3Dichloropropene	ug/L	<1
Bromoform	ug/L	<1
4-Methyl-2-Pentanone	ug/L	<10

ANALYTICAL PARAMETERS		
2-Hexanone	ug/L	<10
Tetrachloroethene	ug/L	<1
Toluene	ug/L	<1
1122Tetrachloroethan	ug/L	<1
Chlorobenzene	ug/L	<1
Ethyl Benzene	ug/L	<1
Styrene	ug/L	<1
o Xylene	ug/L	<1
m + p Xylene	ug/L	<2
Xylene	ug/L	<3

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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LAB NO:215986.21 11/28/01

P.W. Grosser Consulting
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Bohemia, NY 11716-2618
ATTN: Paul Grosser

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/15/01 RECEIVED:11/15/01

SAMPLE: Water sample, Trip Blank

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Acetone	ug/L	<10
Carbon disulfide	ug/L	<1
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
2-Butanone	ug/L	<10
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
1,2 Dichloropropane	ug/L	<1
c-1,3Dichloropropene	ug/L	<1
Trichloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
112 Trichloroethane	ug/L	<1
Benzene	ug/L	<1
t-1,3Dichloropropene	ug/L	<1
Bromoform	ug/L	<1
4-Methyl-2-Pentanone	ug/L	<10

ANALYTICAL PARAMETERS		
2-Hexanone	ug/L	<10
Tetrachloroethene	ug/L	<1
Toluene	ug/L	<1
1122Tetrachloroethan	ug/L	<1
Chlorobenzene	ug/L	<1
Ethyl Benzene	ug/L	<1
Styrene	ug/L	<1
o Xylene	ug/L	<1
m + p Xylene	ug/L	<2
Xylene	ug/L	<3

cc:

REMARKS: EPA Method 8260.

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO:215932.01 11/26/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: James P. Rhodes

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/13/01 RECEIVED:11/13/01

SAMPLE: Water sample, MW-1, 0945

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Acetone	ug/L	<10
Carbon disulfide	ug/L	<1
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
2-Butanone	ug/L	<10
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
1,2 Dichloropropane	ug/L	<1
c-1,3Dichloropropene	ug/L	<1
Trichloroethene	ug/L	4
Chlorodibromomethane	ug/L	<1
112 Trichloroethane	ug/L	<1
Benzene	ug/L	<1
t-1,3Dichloropropene	ug/L	<1
Bromoform	ug/L	<1
4-Methyl-2-Pentanone	ug/L	<10

ANALYTICAL PARAMETERS		
2-Hexanone	ug/L	<10
Tetrachloroethene	ug/L	100
Toluene	ug/L	<1
1122Tetrachloroethan	ug/L	<1
Chlorobenzene	ug/L	<1
Ethyl Benzene	ug/L	<1
Styrene	ug/L	<1
o Xylene	ug/L	<1
m + p Xylene	ug/L	<2
Xylene	ug/L	<3

cc:

REMARKS: EPA Method 8260.

DIRECTOR

rn= 33404 NYSDOH ID# 10320

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO:215932.02 11/26/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: James P. Rhodes

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/13/01 RECEIVED:11/13/01

SAMPLE: Water sample, MW-2, 1030

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Acetone	ug/L	<10
Carbon disulfide	ug/L	<1
1,1 Dichloroethene	ug/L	<1
1,1 Dichloroethane	ug/L	<1
1,2 Dichloroethene	ug/L	11
Chloroform	ug/L	<1
1,2 Dichloroethane	ug/L	<1
2-Butanone	ug/L	<10
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
1,2 Dichloropropane	ug/L	<1
c-1,3Dichloropropene	ug/L	<1
Trichloroethene	ug/L	3
Chlorodibromomethane	ug/L	<1
112 Trichloroethane	ug/L	<1
Benzene	ug/L	<1
t-1,3Dichloropropene	ug/L	<1
Bromoform	ug/L	<1
4-Methyl-2-Pentanone	ug/L	<10

ANALYTICAL PARAMETERS		
2-Hexanone	ug/L	<10
Tetrachloroethene	ug/L	11
Toluene	ug/L	<1
1122Tetrachloroethan	ug/L	<1
Chlorobenzene	ug/L	<1
Ethyl Benzene	ug/L	<1
Styrene	ug/L	<1
o Xylene	ug/L	<1
m + p Xylene	ug/L	<2
Xylene	ug/L	<3

cc:

REMARKS: EPA Method 8260.

DIRECTOR

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO:215932.03 11/26/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: James P. Rhodes

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/13/01 RECEIVED:11/13/01

SAMPLE: Water sample, MW-3, 1200

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Vinyl Chloride	ug/L	5
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Acetone	ug/L	<10
Carbon disulfide	ug/L	<1
1,1 Dichloroethene	ug/L	<1
1,1 Dichloroethane	ug/L	3
1,2 Dichloroethene	ug/L	97
Chloroform	ug/L	<1
1,2 Dichloroethane	ug/L	<1
2-Butanone	ug/L	<10
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
1,2 Dichloropropane	ug/L	<1
c-1,3Dichloropropene	ug/L	<1
Trichloroethene	ug/L	9
Chlorodibromomethane	ug/L	<1
112 Trichloroethane	ug/L	<1
Benzene	ug/L	<1
t-1,3Dichloropropene	ug/L	<1
Bromoform	ug/L	<1
4-Methyl-2-Pentanone	ug/L	<10

ANALYTICAL PARAMETERS		
2-Hexanone	ug/L	<10
Tetrachloroethene	ug/L	54
Toluene	ug/L	<1
1122Tetrachloroethan	ug/L	<1
Chlorobenzene	ug/L	<1
Ethyl Benzene	ug/L	<1
Styrene	ug/L	<1
o Xylene	ug/L	<1
m + p Xylene	ug/L	<2
Xylene	ug/L	<3

cc:

REMARKS: EPA Method 8260.

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO:215932.04 11/26/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: James P. Rhodes

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/13/01 RECEIVED:11/13/01

SAMPLE: Water sample, MW-4, 1300

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Acetone	ug/L	<10
Carbon disulfide	ug/L	<1
1,1 Dichloroethene	ug/L	<1
1,1 Dichloroethane	ug/L	<1
1,2 Dichloroethene	ug/L	3
Chloroform	ug/L	<1
1,2 Dichloroethane	ug/L	<1
2-Butanone	ug/L	<10
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
1,2 Dichloropropane	ug/L	<1
c-1,3Dichloropropene	ug/L	<1
Trichloroethene	ug/L	7
Chlorodibromomethane	ug/L	<1
112 Trichloroethane	ug/L	<1
Benzene	ug/L	<1
t-1,3Dichloropropene	ug/L	<1
Bromoform	ug/L	<1
4-Methyl-2-Pentanone	ug/L	<10

ANALYTICAL PARAMETERS		
2-Hexanone	ug/L	<10
Tetrachloroethene	ug/L	65
Toluene	ug/L	<1
1122Tetrachloroethan	ug/L	<1
Chlorobenzene	ug/L	<1
Ethyl Benzene	ug/L	<1
Styrene	ug/L	<1
o Xylene	ug/L	<1
m + p Xylene	ug/L	<2
Xylene	ug/L	<3

cc:

REMARKS: EPA Method 8260.

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO:215932.05 11/26/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: James P. Rhodes

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/13/01 RECEIVED:11/13/01

SAMPLE: Water sample, Field Blank, 1330

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Acetone	ug/L	<10
Carbon disulfide	ug/L	<1
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
2-Butanone	ug/L	<10
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
1,2 Dichloropropane	ug/L	<1
c-1,3Dichloropropene	ug/L	<1
Trichloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
112 Trichloroethane	ug/L	<1
Benzene	ug/L	<1
t-1,3Dichloropropene	ug/L	<1
Bromoform	ug/L	<1
4-Methyl-2-Pentanone	ug/L	<10

ANALYTICAL PARAMETERS		
2-Hexanone	ug/L	<10
Tetrachloroethene	ug/L	<1
Toluene	ug/L	<1
1122Tetrachloroethan	ug/L	<1
Chlorobenzene	ug/L	<1
Ethyl Benzene	ug/L	<1
Styrene	ug/L	<1
o Xylene	ug/L	<1
m + p Xylene	ug/L	<2
Xylene	ug/L	<3

cc:

REMARKS: EPA Method 8260.

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO:215932.06 11/26/01

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: James P. Rhodes

SOURCE OF SAMPLE: Penetrex, PC QAQC
COLLECTED BY: Client DATE COL'D:11/13/01 RECEIVED:11/13/01

SAMPLE: Water sample, Trip Blank

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Acetone	ug/L	<10
Carbon disulfide	ug/L	<1
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
2-Butanone	ug/L	<10
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
1,2 Dichloropropane	ug/L	<1
c-1,3Dichloropropene	ug/L	<1
Trichloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
112 Trichloroethane	ug/L	<1
Benzene	ug/L	<1
t-1,3Dichloropropene	ug/L	<1
Bromoform	ug/L	<1
4-Methyl-2-Pentanone	ug/L	<10

ANALYTICAL PARAMETERS		
2-Hexanone	ug/L	<10
Tetrachloroethene	ug/L	<1
Toluene	ug/L	<1
1122Tetrachloroethan	ug/L	<1
Chlorobenzene	ug/L	<1
Ethyl Benzene	ug/L	<1
Styrene	ug/L	<1
o Xylene	ug/L	<1
m + p Xylene	ug/L	<2
Xylene	ug/L	<3

cc:

REMARKS: EPA Method 8260.

DIRECTOR

ECO TEST LABORATORIES, INC. • ENVIRONMENTAL TESTING

377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770

CHAIN OF CUSTODY RECORD

Client: PWGC
Address: 630 Johnson Ave. Suite #7
Bohemia, NY 11716-2618
Phone: (631) 589-6353 FAX: (631) 589-8705
Person receiving report: Mr. Jim Rhodes
Sampled by: Mr. Adonai Steinhoff
Source: Penetrex - PEN
Job No.: PEN0001 "PC"

MATRIX (Soil, Water, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE & NUMBER OF CONTAINERS: 2oz. Septum Lid	8oz.	REMARKS–TESTS REQUIRED, SPECIAL TURNAROUND, SPECIAL Q.C. etc
Soil	11/4/01	1000	DW-1 8-10'	2	1	1	8260 TCL + QC Summary Package
		1042	DW-1 12.5-14.5'	2	1	1	8 RCRA METALS
		1220	DW-1 19-21'	2	1	1	
		1320	DW-2 2-4'	1	1		
		1340	DW-2 6-8'	1	1		
		1400	DW-2 12-14'	1	1		
		1420	DW-3 2-4'	1	1		
		1450	DW-3 8-10'	1	1		
		1520	DW-3 12-14'	1	1		
	11/5/01	1005	DW-4 11-13'	1	1		
		1020	DW-4 13-17'	1	1		
		1035	DW-4 17-21	1	1		
		1155	DW-5 14-18	1	1		
		1227	DW-5 18-22	1	1		
		1340	DW-5 25-26'	1	1		

Relinquished by: (Signature)	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: PWGC	11/5/01		Representing:	Representing:			Representing:
Relinquished by: (Signature)	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing:			Representing:	Representing:			Representing:

ECO TEST LABORATORIES, INC. • ENVIRONMENTAL TESTING

377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770

CHAIN OF CUSTODY RECORD

Client: PWGC
Address: 630 Johnson Ave. Suite #7
Bohemia, NY 11716-2618
Phone: (631) 589-6353 FAX: (631) 589-6805
Person receiving report: Mr. Jim Rhodes
Sampled by: Mr. Aaniaw Strawhacker
Source: Panetnex.
Job No.: PEN0001 'PC'

MATRIX (Soil, Water, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	203 - Septum lid 40ml vials (Preserved)	REMARKS–TESTS REQUIRED, SPECIAL TURNAROUND, SPECIAL Q.C. etc
Soil	11/5/04	1440	SB-6 10-11	1	1	8260 TCL & QC Summary Package.
↓	↓	1445	SB-6 12-13	1	1	↓
↓	↓	1530	SB-6 15-16	1	1	
↓	↓	1515	A-1 (Above Pipe 89)	1	1	
Water.	↓	1521	Field Blank / Equip. Blank	2	2	
↓	↓	1100	TRIP Blank.	2	2	

Relinquished by: (Signature)	DATE/TIME	SEAL INTACT ?	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT ?	Received by: (Signature)
Representing:	11/5/04 1650	YES NO NA	Representing:	Representing:		YES NO NA	Representing:
Relinquished by: (Signature)	DATE/TIME	SEAL INTACT ?	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT ?	Received by: (Signature)
Representing:		YES NO NA	Representing:	Representing:		YES NO NA	Representing:

ECO TEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770

CHAIN OF CUSTODY RECORD

Client: PWGC
Address: 630 Johnson Ave. Suite #7
Bohemia New York 11716-2615
Phone: (631) 589-6353 FAX: (631) 589 8705
Person receiving report: Mr. Jim Rhodes
Sampled by: Mr. Adrian Steinhauff
Source: Penntex
Job No.:

MATRIX (Soil, Water, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE & NUMBER OF CONTAINERS: 8260 TCL / 40ml	REMARKS–TESTS REQUIRED, SPECIAL TURNAROUND, SPECIAL Q.C. etc
Water	1/13/14	1115	MW-1	2	2	QC Summary Package
		1130	MW-2	2	2	8260 TCL
		1200	MW-3	2	2	
		1230	MW-4	2	2	
		1300	E. Q. Blank	2	2	
		—	Trip Blank	2	2	

Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)
Representing:	1/14/14	YES NO NA	Representing:	Representing:		YES NO NA	Representing:
Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)
Representing:		YES NO NA	Representing:	Representing:		YES NO NA	Representing:

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

SUMMARY OF QUALITY CONTROL RESULTS

CLIENT: P.W. Grosser Consulting
SOURCE OF SAMPLE: Penetrex, PC
ECOTEST SAMPLE NO. 215932.01-.06 & 215986.01-.21 (VOCs in Water by EPA 8260 and Metals by 6010, 245.2 & 270.2)
DATE RECEIVED: 11/13/01 & 11/15/01
SUMMARY PACKAGE REVIEWED BY: TOM POWELL

_____ Date: 12/3/01

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

SUMMARY OF QUALITY CONTROL RESULTS

Client Name: P.W. Grosser Consulting
Sample Lab Numbers: 215932.01,.02,.03,.04,.05,.06
Date Sample(s) Received: 11/13/2001
Date(s) of Analysis: 11/14/2001

Analyst: J. Ledermann
Method: EPA8260
Analyte: VOC's
Matrix: Water: X Soil:

Units = ug/L.(water) =ug/Kg.(soil)		DUPLICATE SPIKES Sample Lab#:215901.09			REFERENCE SAMPLE					SPIKE SAMPLE RECOVERY Sample Lab#:215901.09			
	Lab Blank	#1	#2	Range	Source	Value	UCL	LCL	Result	Unspiked Conc.	Spike Conc.	Spike Result	% Rec.
chloromethane	<1	19.8	20.3	0.5	(1)	10	14.70	4.65	10.3	0.0	20	19.8	99
vinyl chloride	<1	18.6	19.6	0.9	(3)	10	12.82	6.07	8.6	0.0	20	18.6	93
bromomethane	<1	20.5	19.6	0.9	(2)	10	14.48	5.85	10.1	0.0	20	20.5	103
chloroethane	<1	20.0	19.7	0.3	(2)	10	13.76	6.72	9.7	0.0	20	20.0	100
acetone	<10	70.7	68.2	2.6	(2)	100	155.47	42.73	64.0	15.2	100	70.7	56
1,1-dichloroethene	<1	18.5	18.9	0.4	(2)	10	14.92	7.82	10.4	0.0	20	18.5	93
methylene chloride	<1	20.2	19.3	0.9	(4)	10	26.82	6.98	10.9	0.0	20	20.2	101
carbon disulfide	<1	18.2	18.3	0.1	(4)	10	12.94	5.94	9.9	0.0	20	18.2	91
trans-1,2-dichloroethene	<1	19.7	20.0	0.3	(4)	10	14.24	8.00	10.8	0.0	20	19.7	98
1,1-dichloroethane	<1	20.	19.3	0.2	(4)	10	14.31	7.77	10.3	0.0	20	19.6	98
methyl ethyl ketone	<10	264.7	248.1	16.6	(4)	100	161.12	42.98	89.6	176.4	100	264.7	88
cis-1,2-dichloroethene	<1	19.1	18.8	0.3	(4)	10	13.11	7.59	9.7	0.0	20	19.1	96
chloroform	<1	20.6	20.5	0.1	(5)	10	13.47	8.84	10.1	0.0	20	20.6	103
1,1,1-trichloroethane	<1	18.3	18.4	0.1	(4)	10	14.70	7.93	8.9	0.0	20	18.3	91
carbon tetrachloride	<1	19.5	20.0	0.5	(4)	100	15.03	7.43	9.9	0.0	20	19.5	97
1,2-dichloroethane	<1	21.4	21.2	0.2	(4)	10	15.29	7.75	10.2	0.0	20	21.4	107
benzene	<1	19.6	19.6	0.0	(4)	10	13.83	8.37	9.6	0.0	20	19.6	98
trichloroethene	<1	19.1	18.9	0.2	(4)	10	15.07	8.34	9.8	0.0	20	19.1	96
1,2-dichloropropane	<1	18.5	18.7	0.3	(4)	10	12.49	8.56	8.7	0.0	20	18.5	92
bromodichloromethane	<1	19.1	19.2	0.1	(4)	10	13.65	8.43	9.5	0.0	20	19.1	96
4-methyl-2-pentanone	<10	104.4	103.3	1.1	(4)	100	168.72	65.48	94.1	0.0	100	104.4	104
cis-1,3-dichloropropene	<1	18.0	17.8	0.2	(4)	10	12.83	7.59	8.0	0.0	20	18.0	90
toluene	<1	21.1	21.2	0.1	(4)	10	14.58	8.79	9.8	0.4	20	21.1	104
trans-1,3-dichloropropene	<1	18.0	17.9	0.1	(4)	10	13.68	6.66	8.2	0.0	20	18.0	90
1,1,2-trichloroethane	<1	20.0	20.1	0.0	(4)	10	14.89	7.83	9.6	0.0	20	20.0	100
2-hexanone	<10	86.2	82.3	3.9	(4)	100	156.21	61.85	87.0	0.0	100	86.2	86
tetrachloroethene	<1	19.9	19.8	0.1	(4)	10	15.82	8.02	9.1	0.0	20	19.9	100
dibromochloromethane	<1	18.0	18.0	0.1	(4)	10	12.64	8.05	8.9	0.0	20	18.0	90
chlorobenzene	<1	20.4	20.5	0.1	(4)	10	12.61	8.01	9.3	0.0	20	20.4	102
ethylbenzene	<1	20.	19.8	0.3	(4)	10	14.38	8.27	8.8	0.0	20	19.6	98
m+p xylene	<2	39.8	40.1	0.2	(4)	20	30.81	16.97	18.6	0.0	40	39.8	100
o-xylene	<1	19.5	19.4	0.1	(4)	10	14.01	8.29	8.6	0.0	20	19.5	97
styrene	<1	19.5	19.7	0.2	(4)	10	13.01	8.18	9.5	0.0	20	19.5	97
bromoform	<1	20.0	19.5	0.6	(4)	10	14.82	7.13	9.5	0.0	20	20.0	100
1,1,2,2-tetrachloroethane	<1	19.3	19.0	0.2	(4)	10	14.01	7.42	9.0	0.0	20	19.3	96

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

SURROGATE PERCENT RECOVERY

Client Name:	P.W. Grosser Consulting		Analyst:	J. Ledermann		
Sample Lab Numbers:	215932.01,.02,.03,.04,.05,.06		Method:	EPA8260		
Date Sample(s) Received:	11/13/2001		Analyte:	VOC's		
Date(s) of Analysis:	11/14/2001		Matrix:	Water:	X	Soil:

SAMPLE ID	1,2-DICHLOROETHANE-D4	TOLUENE-D8	BROMOFLUOROBENZENE
215901.09 500ul	51	50	51
215932.01 5ml	51	50	50
215932.02 5ml	52	51	47
215932.03 5ml	52	50	51
215932.04 5ml	51	51	51
215932.05 5ml	52	51	51
215932.06 5ml	52	50	49
215901.09 500ul +20ms	52	53	54
215901.09 500ul +20msd	53	52	53
10 ug/l ref	51	52	52

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

SUMMARY OF QUALITY CONTROL RESULTS

Client Name: P.W. Grosser Consulting
Sample Lab Numbers: 215932.01,.03,.04,
Date Sample(s) Received: 11/13/2001
Date(s) of Analysis: 11/15/2001

Analyst: J. Ledermann
Method: EPA8260
Analyte: VOC's
Matrix: Water: X Soil:

Units = ug/L.(water) =ug/Kg.(soil)	Lab Blank	DUPLICATE SPIKES Sample Lab#:215901.09			REFERENCE SAMPLE					SPIKE SAMPLE RECOVERY Sample Lab#:215901.09			
		#1	#2	Range	Source	Value	UCL	LCL	Result	Unspiked Conc.	Spike Conc.	Spike Result	% Rec.
chloromethane	<1	18.2	19.0	0.8	(1)	10	14.70	4.65	10.2	0.0	20	18.2	91
vinyl chloride	<1	18.1	18.7	0.6	(3)	10	12.82	6.07	8.9	0.0	20	18.1	90
bromomethane	<1	19.0	20.1	1.2	(2)	10	14.48	5.85	10.5	0.0	20	19.0	95
chloroethane	<1	18.8	18.9	0.2	(2)	10	13.76	6.72	10.3	0.0	20	18.8	94
acetone	<10	72.8	72.9	0.1	(2)	100	155.47	42.73	61.8	0.0	100	72.8	73
1,1-dichloroethene	<1	18.4	18.7	0.3	(2)	10	14.92	7.82	11.2	0.0	20	18.4	92
methylene chloride	<1	19.3	20.3	1.0	(4)	10	26.82	6.98	11.2	0.0	20	19.3	97
carbon disulfide	<1	17.8	18.0	0.1	(4)	10	12.94	5.94	10.1	0.0	20	17.8	89
trans-1,2-dichloroethene	<1	19.4	19.2	0.2	(4)	10	14.24	8.00	10.9	0.0	20	19.4	97
1,1-dichloroethane	<1	19.	19.4	0.8	(4)	10	14.31	7.77	10.4	0.0	20	18.6	93
methyl ethyl ketone	<10	79.8	85.6	5.8	(4)	100	161.12	42.98	91.0	0.0	100	79.8	80
cis-1,2-dichloroethene	<1	17.6	18.7	1.1	(4)	10	13.11	7.59	9.2	0.0	20	17.6	88
chloroform	<1	20.0	20.4	0.4	(5)	10	13.47	8.84	10.5	0.0	20	20.0	100
1,1,1-trichloroethane	<1	18.2	18.0	0.2	(4)	10	14.70	7.93	9.2	0.0	20	18.2	91
carbon tetrachloride	<1	15.8	15.4	0.3	(4)	100	15.03	7.43	8.5	0.0	20	15.8	79
1,2-dichloroethane	<1	21.4	22.0	0.6	(4)	10	15.29	7.75	10.5	0.0	20	21.4	107
benzene	<1	20.2	20.7	0.4	(4)	10	13.83	8.37	9.5	1.6	20	20.2	93
trichloroethene	<1	18.4	19.0	0.6	(4)	10	15.07	8.34	9.5	0.0	20	18.4	92
1,2-dichloropropane	<1	17.5	18.2	0.6	(4)	10	12.49	8.56	8.5	0.0	20	17.5	88
bromodichloromethane	<1	18.9	19.4	0.5	(4)	10	13.65	8.43	9.5	0.0	20	18.9	94
4-methyl-2-pentanone	<10	103.8	107.4	3.6	(4)	100	168.72	65.48	96.1	4.8	100	103.8	99
cis-1,3-dichloropropene	<1	17.0	17.6	0.5	(4)	10	12.83	7.59	7.5	0.0	20	17.0	85
toluene	<1	20.2	20.8	0.6	(4)	10	14.58	8.79	9.9	0.0	20	20.2	101
trans-1,3-dichloropropene	<1	16.8	17.6	0.8	(4)	10	13.68	6.66	7.5	0.0	20	16.8	84
1,1,2-trichloroethane	<1	20.1	21.0	0.9	(4)	10	14.89	7.83	9.8	0.0	20	20.1	101
2-hexanone	<10	91.2	94.8	3.6	(4)	100	156.21	61.85	89.7	0.0	100	91.2	91
tetrachloroethene	<1	18.7	19.3	0.6	(4)	10	15.82	8.02	9.4	0.0	20	18.7	93
dibromochloromethane	<1	17.2	17.8	0.6	(4)	10	12.64	8.05	8.6	0.0	20	17.2	86
chlorobenzene	<1	19.9	20.3	0.4	(4)	10	12.61	8.01	9.4	0.0	20	19.9	99
ethylbenzene	<1	19.	19.3	0.6	(4)	10	14.38	8.27	8.8	0.0	20	18.7	93
m+p xylene	<2	38.1	38.8	0.6	(4)	20	30.81	16.97	18.3	0.0	40	38.1	95
o-xylene	<1	18.5	19.3	0.8	(4)	10	14.01	8.29	8.6	0.0	20	18.5	92
styrene	<1	19.0	19.6	0.6	(4)	10	13.01	8.18	9.4	0.0	20	19.0	95
bromoform	<1	19.4	20.2	0.8	(4)	10	14.82	7.13	9.8	0.0	20	19.4	97
1,1,2,2-tetrachloroethane	<1	18.6	19.6	1.0	(4)	10	14.01	7.42	8.8	0.0	20	18.6	93

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

SURROGATE PERCENT RECOVERY

Client Name:	P.W. Grosser Consulting	Analyst:	J. Ledermann
Sample Lab Numbers:	215932.01,.03,.04,	Method:	EPA8260
Date Sample(s) Received:	11/13/2001	Analyte:	VOC's
Date(s) of Analysis:	11/15/2001	Matrix:	Water: X Soil:

SAMPLE ID	1,2-DICHLOROETHANE-D4	TOLUENE-D8	BROMOFLUOROBENZENE
215946.14 100ul	51	51	52
215946.14 100ul +20ms	52	53	56
215946.14 100ul +20msd	52	53	55
10 ug/l ref	52	53	54
215932.01 1ml	52	51	51
215932.03 500ul	52	52	53
215932.04 1ml	52	51	53

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

SUMMARY OF QUALITY CONTROL RESULTS

Client Name: P.W. Grosser Consulting
Sample Lab Numbers: 215986.01,.02,.03,.04,.05,.06,.08,.09
Date Sample(s) Received: 11/15/2001
Date(s) of Analysis: 11/19/2001

Analyst: J. Ledermann
Method: EPA8260
Analyte: VOC's
Matrix: Water: _____ Soil: x

Units = ug/L.(water) =ug/Kg.(soil)		DUPLICATE SPIKES Sample Lab#:215986.03			REFERENCE SAMPLE					SPIKE SAMPLE RECOVERY Sample Lab#:215986.03			
	Lab Blank	#1	#2	Range	Source	Value	UCL	LCL	Result	Unspiked Conc.	Spike Conc.	Spike Result	% Rec.
chloromethane	2.4	20.2	18.9	1.3	(1)	10	14.70	4.65	13.4	1.3	20	20.2	94
vinyl chloride	0	18.2	17.6	0.6	(3)	10	12.82	6.07	11.0	0.0	20	18.2	91
bromomethane	0	13.8	13.4	0.4	(2)	10	14.48	5.85	10.2	0.0	20	13.8	69
chloroethane	0	18.6	17.4	1.2	(2)	10	13.76	6.72	11.8	0.0	20	18.6	93
acetone	6.29	85.2	76.4	8.9	(2)	100	155.47	42.73	119.7	4.7	100	85.2	81
1,1-dichloroethene	0	17.6	16.1	1.5	(2)	10	14.92	7.82	11.7	0.0	20	17.6	88
methylene chloride	1.79	18.8	17.8	1.1	(4)	10	26.82	6.98	10.7	1.7	20	18.8	85
carbon disulfide	0	18.0	15.7	2.4	(4)	10	12.94	5.94	13.6	0.0	20	18.0	90
trans-1,2-dichloroethene	0	17.4	16.7	0.7	(4)	10	14.24	8.00	10.0	0.0	20	17.4	87
1,1-dichloroethane	0	18.	19.2	0.8	(4)	10	14.31	7.77	11.3	0.0	20	18.5	92
methyl ethyl ketone	0	92.6	98.7	6.1	(4)	100	161.12	42.98	135.9	0.0	100	92.6	93
cis-1,2-dichloroethene	0	17.7	18.0	0.3	(4)	10	13.11	7.59	9.8	0.0	20	17.7	88
chloroform	0	18.8	19.4	0.6	(5)	10	13.47	8.84	10.9	0.7	20	18.8	90
1,1,1-trichloroethane	0	19.0	19.6	0.6	(4)	10	14.70	7.93	11.4	0.0	20	19.0	95
carbon tetrachloride	0	20.5	19.6	0.9	(4)	100	15.03	7.43	11.9	0.0	20	20.5	103
1,2-dichloroethane	0	19.7	19.4	0.3	(4)	10	15.29	7.75	11.0	0.0	20	19.7	98
benzene	0	18.9	18.9	0.0	(4)	10	13.83	8.37	11.1	0.0	20	18.9	95
trichloroethene	0	18.3	18.3	0.1	(4)	10	15.07	8.34	11.5	0.0	20	18.3	91
1,2-dichloropropane	0	19.3	19.5	0.2	(4)	10	12.49	8.56	10.8	0.0	20	19.3	96
bromodichloromethane	0	19.4	19.6	0.3	(4)	10	13.65	8.43	10.8	0.3	20	19.4	96
4-methyl-2-pentanone	0	97.4	95.9	1.5	(4)	100	168.72	65.48	116.2	0.0	100	97.4	97
cis-1,3-dichloropropene	0	17.9	18.3	0.4	(4)	10	12.83	7.59	9.6	0.0	20	17.9	90
toluene	0	18.5	17.9	0.6	(4)	10	14.58	8.79	10.8	0.2	20	18.5	92
trans-1,3-dichloropropene	0	18.6	18.6	0.0	(4)	10	13.68	6.66	9.4	0.0	20	18.6	93
1,1,2-trichloroethane	0	19.7	19.1	0.6	(4)	10	14.89	7.83	11.1	0.0	20	19.7	99
2-hexanone	0	97.9	98.6	0.7	(4)	100	156.21	61.85	124.7	0.0	100	97.9	98
tetrachloroethene	0	17.0	17.8	0.8	(4)	10	15.82	8.02	10.8	0.2	20	17.0	84
dibromochloromethane	0	19.8	20.6	0.8	(4)	10	12.64	8.05	11.0	0.2	20	19.8	98
chlorobenzene	0	18.6	18.5	0.1	(4)	10	12.61	8.01	10.5	0.0	20	18.6	93
ethylbenzene	0	18.	18.0	0.3	(4)	10	14.38	8.27	10.7	0.1	20	18.3	91
m+p xylene	0	35.7	35.1	0.6	(4)	20	30.81	16.97	21.5	0.3	40	35.7	88
o-xylene	0	18.5	18.1	0.4	(4)	10	14.01	8.29	11.1	0.1	20	18.5	92
styrene	0	18.2	18.0	0.2	(4)	10	13.01	8.18	10.9	0.0	20	18.2	91
bromoform	0	19.8	20.3	0.5	(4)	10	14.82	7.13	10.8	0.0	20	19.8	99
1,1,2,2-tetrachloroethane	0	19.5	19.9	0.3	(4)	10	14.01	7.42	10.5	0.0	20	19.5	98

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

SURROGATE PERCENT RECOVERY

Client Name:	P.W. Grosser Consulting	Analyst:	J. Ledermann
Sample Lab Numbers:	215986.01,.02,.03,.04,.05,.06,.08,.09	Method:	EPA8260
Date Sample(s) Received:	11/15/2001	Analyte:	VOC's
Date(s) of Analysis:	11/19/2001	Matrix:	Water: ____ Soil: x

SAMPLE ID	1,2-DICHLOROETHANE-D4	TOLUENE-D8	BROMOFLUOROBENZENE
215986.01 1g	47	47	46
215986.02 1g	49	49	49
215986.03 1g	49	48	46
215986.04 1g	49	48	47
215986.05 1g	48	48	47
215986.06 0.5g	48	48	48
215986.08 0.5g	47	49	49
215986.09 0.5g	50	47	46
215986.03 1g +20ms	49	50	50
215986.03 1g +20msd	48	48	48
10 ug/kg ref	52	49	49

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

SUMMARY OF QUALITY CONTROL RESULTS

Client Name: P.W. Grosser Consulting
Sample Lab Numbers: 215986.07,.10,.11,.12,.13,.14,.15,.16,.17,.18
Date Sample(s) Received: 11/15/2001
Date(s) of Analysis: 11/20/2001

Analyst: J. Ledermann
Method: EPA8260
Analyte: VOC's
Matrix: Water: _____ Soil: x

Units = ug/L.(water) =ug/Kg.(soil)		DUPLICATE SPIKES Sample Lab#:215986.05			REFERENCE SAMPLE					SPIKE SAMPLE RECOVERY Sample Lab#:215986.05			
	Lab Blank	#1	#2	Range	Source	Value	UCL	LCL	Result	Unspiked Conc.	Spike Conc.	Spike Result	% Rec.
chloromethane	2.4	18.0	17.2	0.8	(1)	10	14.70	4.65	11.0	0.8	20	18.0	86
vinyl chloride	0	18.1	17.1	1.1	(3)	10	12.82	6.07	8.7	0.0	20	18.1	91
bromomethane	0	15.9	15.9	0.0	(2)	10	14.48	5.85	10.5	0.0	20	15.9	80
chloroethane	0	18.0	18.2	0.2	(2)	10	13.76	6.72	9.2	0.0	20	18.0	90
acetone	6.29	96.7	100.4	3.8	(2)	100	155.47	42.73	106.9	3.4	100	96.7	93
1,1-dichloroethene	0	16.8	15.7	1.1	(2)	10	14.92	7.82	8.3	0.0	20	16.8	84
methylene chloride	1.79	19.9	19.2	0.6	(4)	10	26.82	6.98	10.1	1.5	20	19.9	92
carbon disulfide	0	16.5	15.1	1.5	(4)	10	12.94	5.94	9.3	0.0	20	16.5	83
trans-1,2-dichloroethene	0	18.3	17.4	0.9	(4)	10	14.24	8.00	9.2	0.0	20	18.3	92
1,1-dichloroethane	0	19.	18.0	0.7	(4)	10	14.31	7.77	9.4	0.0	20	18.6	93
methyl ethyl ketone	0	89.2	90.7	1.6	(4)	100	161.12	42.98	119.8	0.0	100	89.2	89
cis-1,2-dichloroethene	0	17.3	16.9	0.5	(4)	10	13.11	7.59	8.3	0.0	20	17.3	87
chloroform	0	18.9	18.2	0.7	(5)	10	13.47	8.84	9.1	0.9	20	18.9	90
1,1,1-trichloroethane	0	18.8	17.9	0.9	(4)	10	14.70	7.93	9.2	0.0	20	18.8	94
carbon tetrachloride	0	18.2	17.2	0.9	(4)	100	15.03	7.43	9.0	0.0	20	18.2	91
1,2-dichloroethane	0	18.8	17.4	1.5	(4)	10	15.29	7.75	9.2	0.0	20	18.8	94
benzene	0	17.8	16.6	1.2	(4)	10	13.83	8.37	9.2	0.0	20	17.8	89
trichloroethene	0	17.0	15.4	1.6	(4)	10	15.07	8.34	9.4	0.1	20	17.0	84
1,2-dichloropropane	0	19.1	17.7	1.4	(4)	10	12.49	8.56	9.2	0.0	20	19.1	95
bromodichloromethane	0	18.8	17.5	1.3	(4)	10	13.65	8.43	9.2	0.2	20	18.8	93
4-methyl-2-pentanone	0	87.5	78.8	8.7	(4)	100	168.72	65.48	100.6	0.0	100	87.5	87
cis-1,3-dichloropropene	0	15.7	14.7	1.0	(4)	10	12.83	7.59	7.9	0.0	20	15.7	78
toluene	0	16.4	15.2	1.3	(4)	10	14.58	8.79	8.7	0.2	20	16.4	81
trans-1,3-dichloropropene	0	15.7	15.3	0.4	(4)	10	13.68	6.66	7.7	0.0	20	15.7	78
1,1,2-trichloroethane	0	18.6	17.4	1.2	(4)	10	14.89	7.83	9.7	0.0	20	18.6	93
2-hexanone	0	79.3	69.2	10.1	(4)	100	156.21	61.85	108.1	0.0	100	79.3	79
tetrachloroethene	0	17.4	15.1	2.3	(4)	10	15.82	8.02	8.9	1.4	20	17.4	80
dibromochloromethane	0	19.5	18.5	1.0	(4)	10	12.64	8.05	9.4	0.2	20	19.5	96
chlorobenzene	0	17.1	15.2	1.9	(4)	10	12.61	8.01	8.6	0.0	20	17.1	86
ethylbenzene	0	16.	14.1	1.8	(4)	10	14.38	8.27	8.5	0.1	20	15.8	79
m+p xylene	0	32.3	27.9	4.4	(4)	20	30.81	16.97	17.1	0.3	40	32.3	80
o-xylene	0	16.9	15.0	1.9	(4)	10	14.01	8.29	8.8	0.1	20	16.9	84
styrene	0	15.4	15.0	0.5	(4)	10	13.01	8.18	8.8	0.1	20	15.4	77
bromoform	0	19.6	18.1	1.5	(4)	10	14.82	7.13	9.7	0.0	20	19.6	98
1,1,2,2-tetrachloroethane	0	19.9	18.0	1.8	(4)	10	14.01	7.42	9.4	0.0	20	19.9	99

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

SURROGATE PERCENT RECOVERY

Client Name:	P.W. Grosser Consulting		Analyst:	J. Ledermann		
Sample Lab Numbers:	215986.07,.10,.11,.12,.13,.14,.15,.16,.17,.18		Method:	EPA8260		
Date Sample(s) Received:	11/15/2001		Analyte:	VOC's		
Date(s) of Analysis:	11/20/2001		Matrix:	Water:		Soil: x

SAMPLE ID	1,2-DICHLOROETHANE-D4	TOLUENE-D8	BROMOFLUOROBENZENE
215986.07 1g	49	49	48
215986.10 1g	49	47	47
215986.11 1g	50	48	48
215986.12 1g	50	48	48
215986.13 0.5	48	51	52
215986.14 1g	48	49	50
215986.15 1g	46	47	47
215986.16 1g	48	49	48
215986.17 1g	48	48	46
215986.18 1g	50	48	47
215986.05 1g	48	48	47
215986.05 1g +20ms	47	48	48
215986.05 1g +20msd	46	48	47
10 ug/kg ref	49	48	48

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

SUMMARY OF QUALITY CONTROL RESULTS

Client Name: P.W. Grosser Consulting
Sample Lab Numbers: 215986.19
Date Sample(s) Received: 11/15/2001
Date(s) of Analysis: 11/21/2001

Analyst: J. Ledermann
Method: EPA8260
Analyte: VOC's
Matrix: Water: _____ Soil: x

Units = ug/L.(water) =ug/Kg.(soil)		DUPLICATE SPIKES Sample Lab#:216005 1g			REFERENCE SAMPLE					SPIKE SAMPLE RECOVERY Sample Lab#:216005 1g			
	Lab Blank	#1	#2	Range	Source	Value	UCL	LCL	Result	Unspiked Conc.	Spike Conc.	Spike Result	% Rec.
chloromethane	0	18.1	19.4	1.3	(1)	10	14.70	4.65	11.9	0.0	20	18.1	90
vinyl chloride	0	19.3	19.4	0.0	(3)	10	12.82	6.07	11.5	0.0	20	19.3	97
bromomethane	0	19.4	19.1	0.3	(2)	10	14.48	5.85	11.7	0.0	20	19.4	97
chloroethane	0	19.8	19.4	0.4	(2)	10	13.76	6.72	12.0	0.0	20	19.8	99
acetone	0	100.0	88.6	11.3	(2)	100	155.47	42.73	109.1	0.0	100	100.0	100
1,1-dichloroethene	0	18.5	19.6	1.1	(2)	10	14.92	7.82	10.4	0.0	20	18.5	92
methylene chloride	0	20.8	21.6	0.8	(4)	10	26.82	6.98	11.3	0.0	20	20.8	104
carbon disulfide	0	18.7	18.8	0.1	(4)	10	12.94	5.94	12.1	0.0	20	18.7	94
trans-1,2-dichloroethene	0	20.1	20.9	0.8	(4)	10	14.24	8.00	12.1	0.0	20	20.1	101
1,1-dichloroethane	0	20.	17.5	2.7	(4)	10	14.31	7.77	12.0	0.0	20	20.2	101
methyl ethyl ketone	0	108.0	76.3	31.7	(4)	100	161.12	42.98	131.7	0.0	100	108.0	108
cis-1,2-dichloroethene	0	19.3	16.5	2.8	(4)	10	13.11	7.59	10.8	0.0	20	19.3	96
chloroform	0	20.2	18.5	1.7	(5)	10	13.47	8.84	11.2	0.0	20	20.2	101
1,1,1-trichloroethane	0	20.8	18.1	2.7	(4)	10	14.70	7.93	11.7	0.0	20	20.8	104
carbon tetrachloride	0	20.0	17.5	2.5	(4)	100	15.03	7.43	12.3	0.0	20	20.0	100
1,2-dichloroethane	0	20.0	22.6	2.5	(4)	10	15.29	7.75	11.2	0.0	20	20.0	100
benzene	0	19.6	17.7	1.9	(4)	10	13.83	8.37	11.5	0.0	20	19.6	98
trichloroethene	0	18.2	17.5	0.8	(4)	10	15.07	8.34	11.5	0.0	20	18.2	91
1,2-dichloropropane	0	20.1	20.2	0.1	(4)	10	12.49	8.56	10.9	0.0	20	20.1	100
bromodichloromethane	0	19.6	20.5	0.9	(4)	10	13.65	8.43	10.9	0.0	20	19.6	98
4-methyl-2-pentanone	0	97.2	87.1	10.1	(4)	100	168.72	65.48	112.0	1.6	100	97.2	96
cis-1,3-dichloropropene	0	18.0	19.1	1.1	(4)	10	12.83	7.59	9.4	0.0	20	18.0	90
toluene	0	18.7	19.3	0.7	(4)	10	14.58	8.79	10.8	0.2	20	18.7	92
trans-1,3-dichloropropene	0	18.4	19.3	1.0	(4)	10	13.68	6.66	9.5	0.0	20	18.4	92
1,1,2-trichloroethane	0	20.0	20.9	0.9	(4)	10	14.89	7.83	11.2	0.0	20	20.0	100
2-hexanone	0	97.5	78.5	19.0	(4)	100	156.21	61.85	121.3	0.0	100	97.5	98
tetrachloroethene	0	18.3	16.8	1.6	(4)	10	15.82	8.02	11.1	0.0	20	18.3	92
dibromochloromethane	0	20.2	19.5	0.7	(4)	10	12.64	8.05	11.2	0.0	20	20.2	101
chlorobenzene	0	19.3	17.7	1.6	(4)	10	12.61	8.01	10.7	0.0	20	19.3	96
ethylbenzene	0	19.	17.1	2.1	(4)	10	14.38	8.27	10.8	0.1	20	19.2	96
m+p xylene	0	37.5	32.1	5.4	(4)	20	30.81	16.97	21.5	0.3	40	37.5	93
o-xylene	0	19.4	16.2	3.2	(4)	10	14.01	8.29	10.9	0.1	20	19.4	97
styrene	0	18.9	16.0	2.9	(4)	10	13.01	8.18	10.9	0.0	20	18.9	95
bromoform	0	20.4	17.3	3.1	(4)	10	14.82	7.13	11.4	0.0	20	20.4	102
1,1,2,2-tetrachloroethane	0	21.7	20.5	1.2	(4)	10	14.01	7.42	11.3	0.0	20	21.7	108

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

SURROGATE PERCENT RECOVERY

Client Name:	P.W. Grosser Consulting	Analyst:	J. Ledermann
Sample Lab Numbers:	215986.19	Method:	EPA8260
Date Sample(s) Received:	11/15/2001	Analyte:	VOC's
Date(s) of Analysis:	11/21/2001	Matrix:	Water: ____ Soil: x

SAMPLE ID	1,2-DICHLOROETHANE-D4	TOLUENE-D8	BROMOFLUOROBENZENE
216005 1g	49	48	48
216005 1g +20ms	48	48	49
216005 1g +20msd	47	55	50
10 ug/kg ref	50	49	48
215986.19 25ul	50	47	48

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

SUMMARY OF QUALITY CONTROL RESULTS

Client Name: P.W. Grosser Consulting
Sample Lab Numbers: 215986.20,.21
Date Sample(s) Received: 11/15/2001
Date(s) of Analysis: 11/16/2001

Analyst: J. Ledermann
Method: EPA8260
Analyte: VOC's
Matrix: Water: X Soil:

Units = ug/L.(water) =ug/Kg.(soil)	Lab Blank	DUPLICATE SPIKES Sample Lab#:215902.02			REFERENCE SAMPLE					SPIKE SAMPLE RECOVERY Sample Lab#:215902.02			
		#1	#2	Range	Source	Value	UCL	LCL	Result	Unspiked Conc.	Spike Conc.	Spike Result	% Rec.
chloromethane	<1	18.7	18.9	0.2	(1)	10	14.70	4.65	9.6	0.0	20	18.7	93
vinyl chloride	<1	18.0	18.2	0.2	(3)	10	12.82	6.07	8.1	0.0	20	18.0	90
bromomethane	<1	17.5	19.1	1.7	(2)	10	14.48	5.85	9.4	0.0	20	17.5	87
chloroethane	<1	18.4	18.8	0.5	(2)	10	13.76	6.72	9.2	0.0	20	18.4	92
acetone	<10	100.0	100.4	0.4	(2)	100	155.47	42.73	58.9	13.4	100	100.0	87
1,1-dichloroethene	<1	18.4	18.9	0.5	(2)	10	14.92	7.82	9.4	0.0	20	18.4	92
methylene chloride	<1	19.7	20.7	0.9	(4)	10	26.82	6.98	10.2	0.0	20	19.7	99
carbon disulfide	<1	16.5	16.9	0.5	(4)	10	12.94	5.94	10.4	0.0	20	16.5	82
trans-1,2-dichloroethene	<1	18.1	18.7	0.6	(4)	10	14.24	8.00	9.7	0.0	20	18.1	90
1,1-dichloroethane	<1	19.	18.8	0.3	(4)	10	14.31	7.77	9.7	0.0	20	18.5	93
methyl ethyl ketone	<10	89.5	91.5	1.9	(4)	100	161.12	42.98	99.6	0.0	100	89.5	90
cis-1,2-dichloroethene	<1	18.3	19.0	0.7	(4)	10	13.11	7.59	8.8	0.0	20	18.3	91
chloroform	<1	18.6	19.8	1.2	(5)	10	13.47	8.84	9.4	0.0	20	18.6	93
1,1,1-trichloroethane	<1	17.6	18.2	0.6	(4)	10	14.70	7.93	8.4	0.0	20	17.6	88
carbon tetrachloride	<1	17.3	18.2	0.9	(4)	100	15.03	7.43	9.0	0.0	20	17.3	86
1,2-dichloroethane	<1	20.3	20.9	0.6	(4)	10	15.29	7.75	9.7	0.0	20	20.3	101
benzene	<1	49.2	49.7	0.5	(4)	10	13.83	8.37	9.3	27.6	20	49.2	108
trichloroethene	<1	18.1	18.4	0.3	(4)	10	15.07	8.34	9.3	0.0	20	18.1	91
1,2-dichloropropane	<1	17.9	18.1	0.3	(4)	10	12.49	8.56	8.5	0.0	20	17.9	89
bromodichloromethane	<1	17.8	18.4	0.6	(4)	10	13.65	8.43	9.1	0.0	20	17.8	89
4-methyl-2-pentanone	<10	111.9	112.5	0.6	(4)	100	168.72	65.48	106.2	0.0	100	111.9	112
cis-1,3-dichloropropene	<1	17.4	17.5	0.1	(4)	10	12.83	7.59	7.8	0.0	20	17.4	87
toluene	<1	51.0	51.6	0.6	(4)	10	14.58	8.79	10.1	23.5	20	51.0	138
trans-1,3-dichloropropene	<1	17.9	18.0	0.0	(4)	10	13.68	6.66	8.1	0.0	20	17.9	90
1,1,2-trichloroethane	<1	19.6	19.7	0.1	(4)	10	14.89	7.83	9.8	0.0	20	19.6	98
2-hexanone	<10	100.4	97.6	2.8	(4)	100	156.21	61.85	92.6	0.0	100	100.4	100
tetrachloroethene	<1	18.2	18.5	0.3	(4)	10	15.82	8.02	9.1	0.0	20	18.2	91
dibromochloromethane	<1	17.0	17.1	0.1	(4)	10	12.64	8.05	8.1	0.0	20	17.0	85
chlorobenzene	<1	19.1	19.5	0.4	(4)	10	12.61	8.01	9.5	0.0	20	19.1	96
ethylbenzene	<1	37.	37.0	0.2	(4)	10	14.38	8.27	8.8	8.6	20	36.8	141
m+p xylene	<2	80.0	81.3	1.3	(4)	20	30.81	16.97	18.5	20.3	40	80.0	149
o-xylene	<1	28.8	29.3	0.4	(4)	10	14.01	8.29	9.1	4.7	20	28.8	121
styrene	<1	19.0	19.2	0.1	(4)	10	13.01	8.18	9.5	0.1	20	19.0	95
bromoform	<1	19.9	20.2	0.4	(4)	10	14.82	7.13	9.7	0.0	20	19.9	99
1,1,2,2-tetrachloroethane	<1	19.6	19.8	0.2	(4)	10	14.01	7.42	8.9	0.0	20	19.6	98

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

SURROGATE PERCENT RECOVERY

Client Name:	P.W. Grosser Consulting	Analyst:	J. Ledermann
Sample Lab Numbers:	215986.20,.21	Method:	EPA8260
Date Sample(s) Received:	11/15/2001	Analyte:	VOC's
Date(s) of Analysis:	11/16/2001	Matrix:	Water: X Soil:

SAMPLE ID	1,2-DICHLOROETHANE-D4	TOLUENE-D8	BROMOFLUOROBENZENE
215902.02 50ul	50	51	56
215902.02 50ul ms+20	49	51	55
215902.02 50ul msd+20	51	51	55
10 ug/L ref	52	52	56
215986.20 5ml	51	51	55
215986.21 5ml	51	52	55

EcoTest Laboratories Inc.
377 Sheffield Ave
N. Babylon, NY 11703

Client : P. W. Grosser Consulting
Sample Source : Penetrex, PC
Sample Lab Nos. : 215986.01 thru 215986.03
Date of Analysis : 11/19/01
Analyst : E. Harrison
Method : 6010B
Element : Ag
Conc. Units : ppm

Blanks	
Method	Calibration
0.0005	0.0002

Calibration Curve						
	Blank	Std. 1	Std. 2	Std. 3	Std. 4	Std 5
Conc.		0.100				

ICVS			
True Value	Result	% Recoverry	Control Limits
0.100	0.102	102.0	95-105%

LCS			
Source	True Value	Result	Control Limits
EM A7095	0.100	0.083	0.086-0.123

CCVS			
True Value	Result	% Recovery	Control Limits
0.100	0.103	103.0	90-110%

Laboratory Duplicate				
Sample	Sample	Duplicate		
Lab No.	Result	Result	Difference	Limit
215986.03	0.0003	0.001	0.0007	0.0099

Matrix Spike					
Sample	Sample	Spike	Spiked		
Lab No.	Result	Conc.	Result	% Recovery	Limits
215986.03	0.003	0.020	0.0205	101.00	73-114%

EcoTest Laboratories Inc.
377 Sheffield Ave
N. Babylon, NY 11703

Client : P. W. Grosser Consulting
Sample Source : Penetrex, PC
Sample Lab Nos. : 215986.01 thru 215986.03
Date of Analysis : 11/19/01
Analyst : E. Harrison
Method : 6010B
Element : As
Conc. Units : ppm

Blanks

Method	Calibration
-0.0005	0.0029

Calibration Curve

	Blank	Std. 1	Std. 2	Std. 3	Std. 4	Std 5
Conc.		0.500				

ICVS

True Value	Result	% Recoverry	Control Limits
0.500	0.502	100.4	95-105%

LCS

Source	True Value	Result	Control Limits
EM A7095	0.100	0.105	0.089-0.1047

CCVS

True Value	Result	% Recovery	Control Limits
0.500	0.510	102.0	90-110%

Laboratory Duplicate

Sample Lab No.	Sample Result	Duplicate Result	Difference	Limit
215986.03	0.0043	0.0066	0.0023	0.019

Matrix Spike

Sample Lab No.	Sample Result	Spike Conc.	Spiked Result	% Recovery	Limits
215986.03	0.0043	0.100	0.0935	89.2	63-119%

EcoTest Laboratories Inc.
377 Sheffield Ave
N. Babylon, NY 11703

Client : P. W. Grosser Consulting
Sample Source : Penetrex, PC
Sample Lab Nos. : 215986.01 thru 215986.03
Date of Analysis : 11/19/01
Analyst : E. Harrison
Method : 6010B
Element : Ba
Conc. Units : ppm

Blanks

Method	Calibration
0.0017	0.0000

Calibration Curve

	Blank	Std. 1	Std. 2	Std. 3	Std. 4	Std 5
Conc.		0.500				

ICVS

True Value	Result	% Recoverry	Control Limits
0.500	0.504	100.8	95-105%

LCS

Source	True Value	Result	Control Limits
EM A7095	0.100	0.100	0.094-0.121

CCVS

True Value	Result	% Recovery	Control Limits
0.500	0.503	100.6	90-110%

Laboratory Duplicate

Sample Lab No.	Sample Result	Duplicate Result	Difference	Limit
215986.03	0.0135	0.0135	0.0000	0.322

Matrix Spike

Sample Lab No.	Sample Result	Spike Conc.	Spiked Result	% Recovery	Limits
215986.03	0.0135	0.100	0.103	89.5	0-284%

EcoTest Laboratories Inc.
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N. Babylon, NY 11703

Client : P. W. Grosser Consulting
Sample Source : Penetrex, PC
Sample Lab Nos. : 215986.01 thru 215986.03
Date of Analysis : 11/19/01
Analyst : E. Harrison
Method : 6010B
Element : Cd
Conc. Units : ppm

Blanks	
Method	Calibration
0.0002	0.0001

Calibration Curve						
	Blank	Std. 1	Std. 2	Std. 3	Std. 4	Std 5
Conc.		0.500				

ICVS			
True Value	Result	% Recoverry	Control Limits
0.500	0.518	103.6	95-105%

LCS			
Source	True Value	Result	Control Limits
EM A7095	0.100	0.105	0.101-0.112

CCVS			
True Value	Result	% Recovery	Control Limits
0.500	0.535	107.0	90-110%

Laboratory Duplicate				
Sample	Sample	Duplicate		
Lab No.	Result	Result	Difference	Limit
215986.03	0.0001	0.0002	0.0001	0.007

Matrix Spike					
Sample	Sample	Spike	Spiked		
Lab No.	Result	Conc.	Result	% Recovery	Limits
215986.03	0.0001	0.100	0.0951	95.0	73-105%

EcoTest Laboratories Inc.
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N. Babylon, NY 11703

Client : P. W. Grosser Consulting
Sample Source : Penetrex, PC
Sample Lab Nos. : 215986.01 thru 215986.03
Date of Analysis : 11/19/01
Analyst : E. Harrison
Method : 6010B
Element : Cr
Conc. Units : ppm

Blanks	
Method	Calibration
0.0060	0.0004

Calibration Curve						
	Blank	Std. 1	Std. 2	Std. 3	Std. 4	Std 5
Conc.		0.500				

ICVS			
True Value	Result	% Recoverry	Control Limits
0.500	0.505	101.0	95-105%

LCS			
Source	True Value	Result	Control Limits
EM A7095	0.100	0.100	0.0883-0.116

CCVS			
True Value	Result	% Recovery	Control Limits
0.500	0.508	101.6	90-110%

Laboratory Duplicate				
Sample	Sample	Duplicate		
Lab No.	Result	Result	Difference	Limit
215986.03	0.0167	0.0161	0.0006	0.075

Matrix Spike					
Sample	Sample	Spike	Spiked		
Lab No.	Result	Conc.	Result	% Recovery	Limits
215986.03	0.0167	0.100	0.108	91.30	40-144%

EcoTest Laboratories Inc.
377 Sheffield Ave
N. Babylon, NY 11703

Client : P. W. Grosser Consulting
Sample Source : Penetrex, PC
Sample Lab Nos. : 215986.01 thru 215986.03
Date of Analysis : 11/20/01
Analyst : T. Friedman
Method : EPA 245.2
Element : Hg
Conc. Units : ppm

Blanks	
Method	Calibration
0.0001	0.0001

Calibration Curve						
	Blank	Std. 1	Std. 2	Std. 3	Std. 4	Std 5
Conc.		0.0005	0.0010	0.0030	0.0050	0.0080

ICVS			
True Value	Result	% Recoverry	Control Limits
0.0028	0.0028	93.3	95-105%

LCS			
Source	True Value	Result	Control Limits
EM A7095	0.0040	0.0039	0.0031-0.0047

CCVS			
True Value	Result	% Recovery	Control Limits
0.0030	0.0031	103.3	90-110%

Laboratory Duplicate				
Sample	Sample	Duplicate		
Lab No.	Result	Result	Difference	Limit
215986.03	0.0000	0.0000	0.0000	0.0012

Matrix Spike					
Sample	Sample	Spike	Spiked		
Lab No.	Result	Conc.	Result	% Recovery	Limits
215986.03	0.0000	0.0030	0.0027	90.00	28.8-146.7%

EcoTest Laboratories Inc.
377 Sheffield Ave
N. Babylon, NY 11703

Client : P. W. Grosser Consulting
Sample Source : Penetrex, PC
Sample Lab Nos. : 215986.01 thru 215986.03
Date of Analysis : 11/19/01
Analyst : E. Harrison
Method : 6010B
Element : Pb
Conc. Units : ppm

Blanks	
Method	Calibration
0.0015	0.0009

Calibration Curve						
	Blank	Std. 1	Std. 2	Std. 3	Std. 4	Std 5
Conc.		0.500				

ICVS			
True Value	Result	% Recoverry	Control Limits
0.500	0.515	103.0	95-105%

LCS			
Source	True Value	Result	Control Limits
EM A7095	0.100	0.103	0.087-0.1096

CCVS			
True Value	Result	% Recovery	Control Limits
0.500	0.526	105.2	90-110%

Laboratory Duplicate				
Sample	Sample	Duplicate		
Lab No.	Result	Result	Difference	Limit
215986.03	0.0088	0.0092	0.0004	0.535

Matrix Spike					
Sample	Sample	Spike	Spiked		
Lab No.	Result	Conc.	Result	% Recovery	Limits
215986.03	0.0088	0.100	0.101	92.2	14-135%

EcoTest Laboratories Inc.
377 Sheffield Ave
N. Babylon, NY 11703

Client : P. W. Grosser Consulting
Sample Source : Penetrex, PC
Sample Lab Nos. : 215986.01 thru 215986.03
Date of Analysis : 11/21/01
Analyst : M. Doooley
Method : EPA 270.2
Elememt : Se
Conc. Units : ppm

Blanks	
Method	Calibration
0.0003	-0.0004

Calibration Curve						
	Blank	Std. 1	Std. 2	Std. 3	Std. 4	Std 5
Conc.		0.002	0.010	0.030	0.040	

ICVS			
True Value	Result	% Recoverry	Control Limits
0.0160	0.0180	112.5	90-110%.

LCS			
Source	True Value	Result	Control Limits
SCP-1/2	0.0160	0.0170	0.0136-0.0186

CCVS			
True Value	Result	% Recovery	Control Limits
0.0160	0.0162	101.2	90-110%

Laboratory Duplicate				
Sample	Sample	Duplicate		
Lab No.	Result	Result	Difference	Limit
215986.03	0.0003	-0.0001	0.0004	0.0019

Matrix Spike					
Sample	Sample	Spike	Spiked		
Lab No.	Result	Conc.	Result	% Recovery	Limits
215986.03	0.0003	0.050	0.0445	89.0	70.6-121.3%