VOLUME I OF II

SITE CHARACTERIZATION REPORT

124 VICTORY HIGHWAY PAINTED POST, NEW YORK

Prepared for:

T&K Realty, LLC
1413 N. George Street
Rome, NY 13440

Submitted

August 2009

Prepared by:

PALMERTON GROUP
Environmental Consulting Services
6296 Fly Road, East Syracuse, New York 13057

Table of Contents

The Palmerton Group, LLC

Site Characterization Report
124 Victory Highway
Painted Post, New York

Page

Executive Summary ..... **i**

1.0 Introduction **1**

2.0 Site History **1**

2.1 Background **1**

2.1.1 Previous Work by Others 1

2.1.2 Assessment of Prior Work 4

2.1.3 Historical Soil Samples 4

2.1.4 "Groundwater" Sample 5

2.1.5 Tank Removal 5

2.1.6 Background - Conclusions 6

2.2 Voluntary Environmental Site Investigation – Palmerton Group **6**

2.2.1 Soil Borings 7

2.2.2 Monitoring Wells 7

2.2.3 Sewer Bedding Material 8

2.2.4 Surface Sample 8

2.2.5 Drainage Channel Sediment 8

2.2.6 Laboratory Analysis 8

3.0 Site Description **9**

3.1 Geology **9**

3.2 Hydrogeology **9**

3.3 Areas of Concern **10**

3.3.1 Former UST Excavation 10

3.3.2 Area in Parking Lot North of Former UST Excavation 10

3.3.3 Drainage Ditch 11

3.3.4 Drainage 11

3.3.5 Septic System 11

3.3.6 Sub-Slab Soil Vapor 11
4.0 Site Investigation 12
4.1 Former UST Excavation 12
4.1.1 Soil Sampling 13
4.1.2 Groundwater Sampling 13
4.2 Parking Lot Area North of Former UST Excavation 14
4.2.1 Soil Sampling 14
4.3 Drainage Ditch 14
4.3.1 Soil Sampling 14
4.4 Site Drainage 15
4.4.1 Interior Drainage 15
4.4.2 Exterior Drainage 16
4.5 Septic System 17
4.6 Sub-Slab Soil Vapor 17
4.7 Laboratory Analysis 18
5.0 Results and Conclusions 19
5.1 Former UST Excavation 19
5.1.1 Soil 19
5.1.2 Groundwater 19
5.2 Area North of Former UST Excavation 20
5.2.1 Soil 20
5.3 Drainage Ditch 20
5.3.1 Soil 20
5.4 Site Drainage 21
5.5 Septic System 21
5.6 Sub-Slab Soil Vapor 21
6.0 Findings and Conclusions 22
6.1 Summary of Findings 22
6.2 Conclusions 23
6.3 Recommendations 23
7.0 References 25

Appendix A

Tables

Table 1 - Chronology of Events
Table 2 - Teeter Supplemental Phase II Results for Well B5
Table 3 - Teeter October 27, 2006 Results for Pit Water
Table 4 - Monitoring Well Observations
Table 5A - Soil Volatile Organic Compounds
Table 5B - Soil Volatile Organic Compounds
Table 5C - Soil Volatile Organic Compounds – Method Blanks
Table 6A - Soil Semi Volatile Organic Compounds
Table 6B - Soil Semi Volatile Organic Compounds
Table 6C - Soil Semi Volatile Organic Compounds – Method Blanks
Table 7A - Soil Metals
Table 7B - Soil Metals
Table 8 - Soil Polychlorinated Biphenyl Compounds
Table 9 - Soil Volatile Organic Compounds - Tentatively Identified Compounds
Table 10 - Soil Semi Volatile Organic Compounds - Tentatively Identified Compounds
Table 11 - Groundwater Volatile Organic Compounds
Table 12 - Groundwater Semi Volatile Organic Compounds
Table 13 - Groundwater Volatile Organic Compounds - Tentatively Identified Compounds
Table 14 - Groundwater Semi Volatile Organic Compounds - Tentatively Identified Compounds
Table 15 - Soil Vapor Samples

Appendix B

Figures

Figure 1 - Site Location Map
Figure 2 - 2002 Site Photograph
Figure 3 - Groundwater Elevations
Figure 4 - Soil Boring and Monitoring Well Locations
Figure 5 - Drainage Ditch Sampling Locations
Figure 6 - Drainage System
Figure 7 - SVI Sampling Locations
Figure 8 - Soil Boring and MW-5 Soil VOCs
Figure 9 - Soil Boring and MW-5 Soil SVOCs and PCBs
Figure 10 - Soil Boring and MW-5 Soil Metals
Figure 11 - Groundwater VOCs
Figure 12 - Groundwater SVOCs
Figure 13 - Drainage Ditch Soil VOCs
Figure 14 - Drainage Ditch Soil SVOCs and PCBs
Figure 15 - Drainage Ditch Soil Metals
Figure 16 - Soil Vapor VOCs

Appendix C

Monitoring Well and Soil Boring Logs

Appendix D

Analytical Summary Tables from May 2007 Sampling

Appendix E

Validated Laboratory Analytical Reports for Soil, Groundwater and Soil Vapor - September 2008

Executive Summary

The Site Characterization Investigation of the former Painted Post Car Mart located at 124 Victory Highway, Painted Post, New York was performed by The Palmerton Group, LLC (Palmerton Group) at the request of T&K Realty, LLC (T&K). All work was performed in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved work plan (approved August 8, 2008) and pursuant to Consent Order Index # B8-0736-07-01. The investigation characterized the nature and extent of constituents of concern released at the site and potential pathways for those constituents to reach onsite and offsite receptors. Through previous site investigations by others and Palmerton Group, six areas of concern have been identified:

1. Former underground storage tank (UST) excavation;
2. Area to the north of the former UST;
3. Drainage ditch;
4. Site drainage;
5. Septic system; and
6. Building sub-slab soil vapor.

Soil and groundwater samples were collected from the former UST area. Only soil samples were collected from the area to the north of the former UST, from the drainage ditch, and from the area of the suspected former septic system. A debris sample was collected from one of the parking lot area surface drains. Vapor samples were collected from the building sub-slab.

Former UST Excavation

Laboratory analysis of the soil samples collected from the former UST area indicate that volatile organic compound (VOC) concentrations of 1,2-dichlorobenzene and no semi-volatile organic compound (SVOC) concentrations exceeded NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives. In groundwater, the VOCs benzene and 1,2-dichlorobenze exceeded NYSDEC TAGM 4046 Groundwater Standards. Exceedance for both soil and groundwater are limited to within the former UST excavation (near MW-5). Chromium was the only metal detected above the NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives for trivalent chromium levels in the former UST area soil samples. While the detected concentration (54.9 mg/kg in sample "SB-4 12-14'") exceeds the Unrestricted Soil Cleanup Objectives of 30 mg/kg, the analysis was for total chromium and was not speciated for trivalent chromium.

Area to the North of the Former UST

No VOCs or SVOCs were detected in soil samples collected from the area north of the former UST.

Drainage Ditch

Drainage ditch soil samples indicated no VOCs or polychlorinated biphenyl (PCB) concentrations were detected above NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives. Chromium concentration in sample DS-4 marginally exceeded NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives for trivalent chromium, however this analysis was for total chromium and was not speciated. Sample DS-4 is located downstream and south of Victory Highway. Chromium concentrations did not exceed NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives in any other sample from the drainage ditch, and therefore the chromium concentration in DS-4 is likely not attributed to the site activities.

SVOC concentrations were detected above NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives in samples DS-2, DS-3, DS-4 and DS-6. Samples DS-2, DS-3 and DS-6 were collected in the area of the drainage outfall pipe. SVOC concentrations in these samples may be attributed to the previous activities at the site (recreational vehicle repair and automotive).

Site Drainage

The interior building drainage system consists of three floor drains which converge to an oil-water separator and ultimately lead to the drainage ditch. These lines were all found to be plugged with removable, expandable drain plugs at the time of the investigation. The exterior building roof drains were found to gravity-flow via solid-walled pipe to the drainage ditch. Three surface area catch basins were identified in the parking lot around the building. Laboratory analysis of a debris sample collected from a parking lot surface drain (SD-1) did not detect any VOC, metals or PCB concentrations above NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives or Eastern USA Background levels for metals. Seven of the total 21 SVOCs detected in site soils were detected in sample SD-1 at concentrations exceeding the NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives, The presence of these SVOCs is attributed to the prior owners' use of the site for automotive purposes.

Septic System

The site sewage system drains to the municipal sewer. According to the Town of Erwin code inspector and the property manager there was never a formal leach field at the site, but a series of cement dry wells that served to dissipate sewage pumped underground to this area. A single soil boring (SB-5) was installed in the area of the former septic system. Laboratory analysis of the soil sample collected from this boring detected no VOCs, SVOCs, metals or PCBs above NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives,.

Building Sub-Slab Soil Vapor

A Soil Vapor Characterization Report (SVCR), issued to the NYSDEC in July 2009, discusses the finding of the soil vapor sampling in March 2009.

Summary

The constituents detected in the former UST area and the drainage ditch soils are limited and localized. Soil sampled and analyzed from the former UST excavation indicate that the only VOC to exceed NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives is 1,2-dichlorobenzene. No SVOC [polynuclear aromatic hydrocarbons (PAHs)] concentrations exceeded NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives in the soil sampled in the area of the former UST excavation.

In the drainage ditch, no VOCs and only eight SVOCs (PAHs) exceeded NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives.

Though the exceedances in both areas are limited, it is recommended that the soils in these areas be removed and disposed at the appropriate disposal facility. It is also recommended that a full soil vapor investigation including sub-slab vapor, indoor air and outside ambient air samples be collected at the site as several VOC compounds were detected in the soil vapor samples collected during this investigation. The soil vapor investigation recommended in this report was completed in March 2009, in between iterations of this document. The results of the soil vapor investigation were summarized in a July 2009 SVCR.

1.0 Introduction

At the request of T&K, the Palmerton Group performed a site characterization investigation of the property located at 124 Victory Highway, Painted Post, New York ("site") (see Figure 1 and Figure 2 for location) to determine if constituents exceeding NYSDEC guidance criteria are present in the subsurface at the site and, if so, whether the constituents, if present, present a threat to public health and/or the environment. This Site Characterization Report ("SC Report") presents the findings of the site characterization investigation performed by Palmerton Group between September 8 and September 11, 2008.

Specific areas of concern were investigated following the NYSDEC approved Site Characterization Work Plan (SCWP) (Palmerton Group, 2008), prepared for the site in accordance with Exhibit G of the Order on Consent (Index # B8-0736-07-01) filed by the NYSDEC for the site effective October 15, 2007 (NYSDEC, 2007) and in accordance with the Draft DER-10 Technical Guidance for Site Investigation and Remediation ("DER-10") (NYSDEC, 2002), the DER-13/Strategy For Evaluating Soil Vapor Intrusion at Remedial Sites in New York (NYSDEC, 2006) and the Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, 2006). The site characterization included the consideration of soils, soil vapor, sediment and groundwater with a goal of identifying the presence or absence of VOCs and SVOCs exceeding NYSDEC guidance and potential exposure pathways.

2.0 Site History

Site improvements date back to the mid 1960's. The exact history of the property is not clear, though it served as the Painted Post Car Mart prior to 2006 performing automotive service and repair. In 2005, a Phase I environmental site assessment (ESA) was performed at the site, followed in 2006 by an associated Phase II as a condition of the sale of the site (in 2006) to T&K. The site has been used as a bus garage since being purchased by T&K. The attached Table 1, "Chronology of Events" presents a general chronology of events pertinent to environmental investigation activities conducted at the site since July 2005.

2.1 Background

2.1.1 Previous Work by Others

On June 8, 2006 T&K purchased the former Painted Post Car Mart property out of bankruptcy from the Chapter 7 Trustee of Gordon A. Hakes. As part of standard due diligence, T&K hired Bates Consulting, Inc. (Bates) to perform a Phase I ESA of the site. The Phase I report, dated July 12, 2005, identified several items that required further investigation. Bates does not perform

Phase II ESAs and as such, T&K hired Teeter Environmental Services, Inc. ("Teeter") to perform the Phase II. Teeter's initial Phase II report is dated March 13, 2006 (See Table 1 Chronology).

The Phase II report (Teeter, 2006a) and Supplemental Phase II report (Teeter, 2006b) provide information on the environmental conditions of several areas of the site, all of which were evaluated with the exception of the former UST area along the east side of the main building.

The Supplemental Phase II (Teeter, 2006b) included installation of several borings and temporary wells. Boring B5 was described as being installed in the area identified as "suspected UST area". According to the report, soil samples were collected from the borings using two-inch diameter, 48-inch long hollow steel sampling tubes with acetate liners.

Successive samples were collected "to depths of 8 to 12 feet." Specifically, the report states that a soil sample "from an approximate depth of six (6) feet from boring B5 in the suspected UST area" was submitted to Fairway Laboratories, Inc. Discolored soil was reported for boring B5 in the four to eight foot sample interval (e.g., more specifically described as having "discoloration from approximately 6 to 6.4 feet"). In a sample from this interval, analytical results indicated 1,2-dichlorobenzene was present at 17.6 micrograms per kilogram (µg/kg).

According to the report, boring B5 was converted to a small diameter well and groundwater was pumped "for a short period of time." Several VOCs were detected in the "groundwater" sample from boring B5 as shown in Table 2 below.

Table 2
Teeter Supplemental Phase II Results for Well B5
Water Sample Analyzed using USEPA Method 8260B

Compound	Concentration (µg/l)
1,2-Dichlorobenzene	22,800
1,3-Dichlorobenzene	55.4
1,4-Dichlorobenzene	331
1,1-Dichloroethane	51.6
cis-1,2-Dichloroethene	10,100
Methylene Chloride	646
Trichloroethylene	50.7
Benzene	154
Ethylbenzene	72.4
Naphthalene	91.5
Toluene	792
1,2,4-Trimethylbenzene	108
Xylenes (total)	424

(After Teeter 2006b)

The Phase II report erroneously concluded that it's "apparent from the results that a UST or perhaps a subsurface parts cleaner is or was located near boring B5 and most likely leaked."

On June 19, 2006 a test pit was dug in the vicinity of boring B5 in an attempt to locate the source of the contamination reported in the Phase II ESA. A letter report by Teeter documents the activities of the test pit investigation (Teeter, 2006c) which were observed by Mr. Chad Kehoe of the NYSDEC. Groundwater was reportedly found at six feet below ground surface (bgs). No tank was found and, using visual and organic vapor meter screening, no noticeable hydrocarbon contamination was observed. A grab sample labeled "Excavation (Bottom)" was taken from the base of this excavation and analyzed using method SW846/8260B for VOCs and SW846/8270C for SVOCs. The analysis was performed by Eastern Laboratory Services and revealed no constituents were detected.

A subsequent letter report from Teeter to T&K (Teeter, 2006d) dated October 26, 2006, states that on September 7, 2006 a 1,000-gallon UST was uncovered by Keuka Construction Corporation while installing a sewer lateral at the site. The letter describes a polyvinal chloride (PVC) well point (boring B5) as having penetrated the UST.

The letter report (Teeter, 2006d) states that Mr. Doug Gross of Gross Construction, a subcontractor to the general contractor, Keuka Construction, reported to David Teeter as having found the tank and well point. The report indicates that Gross Construction removed the tank using an excavator, under the supervision of David Teeter of Teeter Environmental (Palmerton, 2007a). The report also states that "the top of the tank was approximately 1 ½ feet below the groundwater surface."

The letter goes on to say that the tank was "penetrated by the drive point of the drill rig used to sample soil and install the monitoring well" and since the boring was terminated at eight feet bgs "the tank bottom was not penetrated". Based on this information, the screened interval of well B5 must have been in contact with the contents of the tank.

Furthermore, the Teeter letter also states that during the sewer lateral work "Some residual product from the UST was released into the excavation during removal [of the tank]." There is no reference in the Teeter letter of a vacuum truck being deployed to empty the tank of its contents before removal. Sorbent pads were used to cleanup the residual product in and around the excavation. The letter states that on September 8, 2006, Mr. Teeter "removed the pads and disposed of them in an on-site roll-off container."

Following UST removal activities, Teeter collected a water sample from the excavation which was analyzed for VOCs using method SW846/8260B. The results are shown in Table 3 as follows.

Table 3
Teeter October 27, 2006 Results for Pit Water
Water Samples Analyzed using USEPA Method 8260B

Compound	Concentration (µg/l)
1,2-Dichlorobenzene	50
1,3-Dichlorobenzene	<10
1,4-Dichlorobenzene	3(J)
1,1-Dichloroethane	<10
Cis-1,2-Dichloroethene	4(J)
Methylene Chloride	<10
Trichloroethylene	<10
Benzene	<10
Ethylbenzene	<10
Naphthalene	<10
Toluene	2
1,2,4-Trimethylbenzene	<10
Xylenes (total)	<10

(J) Estimated value
<10 – less than the laboratory detection limit of 10 µg/l

(After Teeter, 2006d)

The report states that after tank removal, the residual product in the UST was "minimal" and was collected using sorbent pads. The pads were collected by Teeter and the tank was reportedly transported by Teeter to Upstate Machinery in Tioga Center, New York (Palmerton 2007a).

2.1.2 Assessment of Prior Work

The puncturing of a former UST and the mishandling of the tank and its associated contents during removal resulted in the following:

- A "soil" sample collected in February 2006 from a "layer from 6 to 6.4 feet in boring B5" was likely contaminated by the contents of the tank and not representative of the soil from that depth; and

- A "groundwater" sample collected in February 2006 by Teeter that contained high levels of VOCs was likely a sample of the tank contents contained inside the 1,000 gallon steel tank and not representative of groundwater at the sample location.

2.1.3 Historical Soil Samples

Two soil samples were reported to be collected from boring B5 on February 16, 2006. The driller's subsurface log record in the Teeter Phase II report indicates that the first sample was collected using a sample interval of "0-4" feet which means that the sampler

was driven from ground surface to a depth of four feet bgs. The log also shows that the amount of material recovered from the 4-foot long sample tube was only 24 inches of "rounded gravel FILL" with no "unusual odors."

The second sample is reported to be from four feet bgs (e.g., from where the first sample ended) to eight feet bgs. The sample recovery for this sample was only 12 inches of material (or only twenty-five percent of the sample core tube length).

The material classification for the second sample is "similar material" (e.g. rounded gravel) and "moist to wet at ~6 feet. No unusual odors. Discolored soil from ~6 feet to 6.4 feet." The subsurface log was recorded by David Teeter and the driller is listed as Keith Skow of Chamber Environmental Group.

Only the second sample (from 4 to 8 feet) was analyzed for VOCs and SVOCs. The sample was found to contain 1,2-dichlorobenzene at a level of 17.6 µg/kg.

Later, after discovery of the UST, photographs and eye witnesses indicate that the Geoprobe® sample point had penetrated the tank in the course of well installation. The photograph shows that it is likely that the pull-down force of the drill unit first dented the tank before puncturing it. The PVC well was found protruding from the tank and the tank was severely dented where the probe point came into contact with the tank.

It is apparent that the soil sample collected from this location was contaminated as a result of the tank puncture since the sample tube would have extended from a minimum of two feet to a maximum of four feet into the tank.

2.1.4 "Groundwater" Sample

Following installation of the small diameter PVC well at boring location B5 the March 13, 2006 report states that "groundwater" was pumped out of the well "for a short period of time" and then collected for analysis. The total volume collected was reported to be approximately 1 liter. Since the well point was installed in the tank (unknown at the time); the fluids collected were apparently from inside the tank and not groundwater. Therefore, the "groundwater" sample from B5 is not representative of groundwater, but is representative of the tank's contents.

2.1.5 Tank Removal

The UST was reported to be a 1,000-gallon steel tank having a diameter of four feet. The tank was removed by Gross Construction on September 7, 2006. Given that the tank was penetrated by the Geoprobe® point in February 2006 and was reported to be "1 ½ feet below the groundwater surface" (Teeter, 2006d), it is most likely that the tank contained a mixture of groundwater and the tank's pre-puncture contents.

The October 2006 report states that "Some residual product from the UST was release [sic] into the excavation during removal." There is no reference to the use of a vacuum truck or report of pumping the tank contents prior to removal; only of release into the excavation. Therefore, it is assumed that the tank was not pumped out prior to removal. The excavation water analysis indicated low levels of VOCS with the highest level being 1,2-dichlorobenzene at 50 µg/l.

Post-removal confirmation samples are typically required by the NYSDEC to show that residual contamination in the excavation area has been removed or reduced to levels below the NYSDEC guidance values for the compounds of concern. No post removal soil samples were reported to have been collected.

Also, Mr. Teeter has stated that after the tank was removed, he had to leave the site and upon his return, he observed Gross Construction pumping a mixture of water and fluids released from the tank during the excavation onto the parking lot adjacent to the excavation (Palmerton 2007a).

2.1.6 Background - Conclusions

The historical data collected prior to 2007 indicate that the prior soil sample and "groundwater" sample collected at boring location B5 contained VOCs that are not representative of either soil or groundwater conditions, and are more likely representative of the tank contents.

Furthermore, the post-removal tank excavation results did not indicate significant groundwater contamination. The VOCs detected in the excavation water sample were minor with the highest concentration being 50 µg/l of 1,2-dichlorobenzene which appears to be the result of spillage from the tank during removal.

Based on the above information, Palmerton Group does not believe the tank removal was performed correctly. Also, the accuracy of the locations and descriptions of the matrices collected and reported by Teeter should be considered suspect.

2.2 Voluntary Environmental Site Investigation – Palmerton Group

In May 2007, Palmerton Group performed a voluntary Environmental Investigation ("investigation") at the request of T&K, following the guidelines of the DER-10 (NYSDEC, 2002). Prior to performing the investigation, a work plan was prepared (2007b, Palmerton Group) and submitted to NYSDEC for informal review. Informal comments received from the NYSDEC were incorporated into the final version of the May 2007 work plan.

The objectives of the investigation, as stated in the work plan, were to determine the presence or absence of VOCs, SVOCs and heavy metals associated with the removal of the former 1,000-gallon UST. The investigation focused on the soil at the former UST location, the soil beneath the newly installed sewer line adjacent to the former UST area,

the groundwater at the former UST location, the groundwater adjacent to the former UST location, the blacktop surface adjacent to the former UST area where the UST contents were reportedly pumped or spilled, and the sediment from the east side drainage swale where catch basins discharge.

Palmerton Group considers the work performed and data collected during the voluntary investigation to be consistent with DER-10 and applicable to the Site Characterization. Columbia Analytical Services, Inc., the laboratory performing the analysis of the samples collected during the voluntary investigation, is a NYS Certified Laboratory. This data is considered valid and relevant for consideration of future remediation efforts at the site.

2.2.1 Soil Borings

Four soil borings (BN-1, BN-2, BN-3 and BN-4) were installed and upon completion, each soil boring was converted to a monitoring well (see Section 2.2.2).

One boring was installed in the former UST area and three borings were installed in a triangular pattern with the building wall forming one side of the triangle (see Figures 3 and 4). The sample points were spaced approximately 20 feet from the center of the former UST excavation. Though the borings extended to a depth of approximately 14 feet bgs, soil samples were collected to the depth of the water table (approximately 6 to 8 feet bgs). Soil samples below the water table were deemed irrelevant since groundwater samples would identify the presence or absence of contaminants, if any. Soil boring logs are included in Appendix C.

2.2.2 Monitoring Wells

Monitoring wells were installed in the soil borings subsequent to the completion of each boring. One monitoring well was installed at the former UST location in boring BN-1 (MW-1). Three monitoring wells (MW-2, MW-3 and MW-4) were installed in a triangular pattern approximately twenty feet from the former tank location (see Figure 4). This was intended to provide an outer limit that would not be likely to show VOCs in groundwater if the tank spill was recent, limited and localized. Groundwater samples were collected at these locations to evaluate subsurface conditions and the potential extent of VOCs and SVOCs.

The monitoring wells extended up to five feet below the base of the former UST excavation. The top of the former tank was estimated to have been located five to six feet below grade, and the tank was four feet in diameter, placing the bottom of the tank nine to ten feet bgs. In order to reach five feet below the base of the UST excavation, the monitoring wells were terminated approximately 14 feet bgs. The screened section of each well was placed so as to straddle the water table, measured to be approximately four feet below grade. Well logs are included in Appendix C.

2.2.3 Sewer Bedding Material

A new sewer line was being installed at the time the former UST was discovered. The sewer line was completed and is now adjacent to the former UST location (see Figure 4). In order to determine if the tank contents spilled or leaked and migrated along the sewer line bedding material; the line was uncovered a short distance away from the former UST location in a down gradient direction and a sample of the sand bedding material beneath the line was collected for laboratory analysis. This sample is identified as "SLB".

2.2.4 Surface Sample

The former UST contents and water from the former UST excavation were reportedly discharged (using a pump) to the parking lot surface in the immediate vicinity of the UST excavation. Therefore, a surface soil/sediment sample was taken from the parking lot surface down-gradient of the former UST and submitted for analysis. This sample is identified as "SURFACE".

2.2.5 Drainage Channel Sediment

A review of the site topography and other physical features present at the time of dewatering the excavation suggests that water discharged to the local surface area is not likely to have traveled as far as the drainage channel along the eastern property line. However, a sediment sample was collected from the drainage channel, in a low-flow location down gradient from the area where the surface water allegedly discharged during the pumping of the tank contents by Gross Construction and observed by Teeter (see Figure 5). This sample is identified as "DRAINAGE CH."

2.2.6 Laboratory Analysis

Samples submitted for analysis were packed with ice and transported in a cooler to Columbia Analytical Services, located in Rochester, New York under standard chain-of-custody protocols.

Consistent with DER-10, the soil, surface sediment, and drainage sediment samples were analyzed using Method 8260 Target Compound List (TCL) plus STARS plus TICS and Method 8270 TCL plus TICS.

Groundwater samples were analyzed for VOCs using USEPA Method 8260 TCL plus STARS plus TICS; and SVOCs using USEPA method 8270 plus TICS.

Results of the laboratory analysis indicate that certain VOCs and SVOCs were present above NYSDEC standards in the soil and groundwater in the area of MW-1. Low levels of SVOCs were also found in the sediment sample taken in the drainage channel, however, these appear to be of different origin than the 1,2-dichlorobenzene found at the

former UST location. Tables summarizing the May 2007 results can be found in Appendix D.

3.0 Site Description

The site is a generally flat-lying parcel located in an industrial/commercial section of Painted Post, Steuben County, New York along the north side of New York State Highway Route 415, west of the intersection of New York State Highway Route 17 (see Figure 1). Approximately 10 acres in size with a concrete block and steel one-story building with a poured slab-on-grade floor covering roughly 30,000-square feet (ft^2) in the center of the lot (see Figure 2 and Figures 4), the site is bounded to the north and west by unimproved lots, to the east by a hotel and gas station, and to the south by Victory Highway (New York State Highway Route 415). In addition to the building, another 60,000 ft^2 of the property is covered by asphalt pavement (e.g., 50 to 100 feet on each side of the building). The site and building are currently used for bus storage and maintenance. The site topography slopes gradually to the east where a drainage channel separates the site from the neighboring properties (Figure 3). The drainage channel is a public right-of-way for surface water drainage. The drainage channel leads to the Cohocton River approximately 0.2 miles to the southeast of the site. According to the NYS Interactive Mapping Gateway website, the site is not mapped as being in any type of wetland (NYS GIS Clearinghouse, 2007).

A site background search by Environmental Data Resources (EDR) indicates that approximately 18 water wells are located within one mile of the site (EDR, 2007). The closest well is 0.25 miles southeast of the site and is hydrogeologically side-to-upgradient of the site based on topography and presumed regional groundwater flow. Additionally, a water well was believed to be on-site at some point in the past, however, no well has ever been found. The site is supplied by public water.

3.1 Geology

The site is situated in the southern portion of the Finger Lakes Region of New York State and lies within the Erie-Ontario Lowland physiographic province. The geomorphology of this region is a product of repeated glaciations. The surface geology at the site consists of recent flood plain fine sand to gravel sized deposits, 1 to 10 meters thick (Muller, 1986). The bedrock geology underlying the surface fluvial deposits consists of stratified Upper Devonian age siltstones and sandstones sequence of the Gardeau Formation, a member of the West Falls Group (Rickard, 1970). The site is underlain by fill material and native sand and gravel outwash deposits to depths of more than 14 feet.

3.2 Hydrogeology

The surficial geology for the site has been mapped as outwash sand and gravel having high permeability. Permeable sediments have been mapped by Miller et al (1982) as having a thickness of approximately 20 feet. Infiltration rates have been described as

being in the range of 0.63 to 2.0 inches per hour. Due to the presence of asphalt pavement around the building, the precipitation and overland flow infiltration rate is expected to be very low. The aquifer thickness, which is the estimated saturated thickness of permeable sediments from the water table to the top of bedrock, has been mapped by Miller et al (1982) as being approximately 20 feet in the vicinity of the site. The potentiometric surface has been mapped as being approximately 940 feet above mean sea level with groundwater flow to the east-southeast across the site. Based on the potentiometric maps, the regional groundwater gradient is approximately 0.0023 (Miller et al, 1982). Figure 3 shows the potentiometric surface elevations in the area of the monitoring wells based on depth to water information gained during the site characterization investigation.

3.3 Areas of Concern

Six specific areas of concern (AOCs) were identified from the previous site investigation work and were the focus for the site characterization investigation. These areas include the former UST excavation, an area in the parking lot to the north of the former UST excavation, the drainage ditch along the east side of the property, the drainage system both interior and exterior to the building, the septic system and the building sub-slab soil vapor. The investigation of each area of concern characterized the site by identifying the presence or absence of hazardous materials introduced to the site through historic releases, and if present, the extent of any subsurface contamination, the nature and extent of the releases, and the nature and extent of the impacts of the releases to the surface, subsurface and vapor pathway at the site.

Prior sampling and analysis of soil and groundwater samples indicate that subsurface contamination is minimal, localized, and linked to the former UST location. Additionally, there appears to be no migration of chemicals of concern (COCs) along the current sewer line. It appears that the chlorinated compounds detected in the vicinity of the former UST are the result of a recent release (i.e. tank puncture and spillage during tank removal). Analysis of soil samples collected in the drainage trench indicates the presence of contaminants. This area is in the vicinity of an approximate 11-inch diameter outfall pipe. Through the course of the investigation it was determined that this pipe serves as the outfall to the building roof drains and the now-plugged oil-water separator.

3.3.1 Former UST Excavation

The former UST excavation is the primary AOC for the site characterization as this is where some of the contents from the former UST was released during tank removal in September 2006. The former UST excavation is located along the eastern wall of the northern portion of the building (see Figure 4) and covers an area of approximately 200 square feet.

3.3.2 Area in Parking Lot North of Former UST Excavation

In the parking lot to the north of the former UST excavation, the asphalted pavement has been removed, covering a surface area of approximately 10 feet by 15 feet. This area was

identified in the Bates Phase I investigation as a potential former tank excavation and is an AOC.

3.3.3 Drainage Ditch

The drainage ditch, located along the eastern property boundary, receives storm water from the building roof drains via a solid-walled pipe. This pipe also connects to the oil-water separator located inside the building, but no longer drains as it is plugged at the effluent of the oil-water separator with an expandable, removable plug. The parking lot east of the building gently slopes in the direction of the ditch, but is separated by a slightly elevated grass covered strip that prevents water from sheet flowing directly to the ditch. Previous sediment samples taken from the ditch indicated levels of SVOCs above NYSDEC criteria making this an AOC. [Note: In this report the term "sediment" refers to solid material settled down from a state of suspension and is comparable to soil].

3.3.4 Drainage

Several drainage improvements exist at the site, including the building roof drains, three surface drains in the parking lot (two to the west of the building and one to the east) three interior floor drains and an oil-water separator. The fate of materials collected in the drains was unknown prior to the Site Characterization Investigation, making the drainage system an AOC. To facilitate the drainage investigation, each portion of the drainage system was labeled. The interior drains were labeled FD-1, FD-2 and FD-3 (see Figure 6). The parking lot surface drains were labeled SD-1, SD-2 and SD-3. Surface drain SD-1 was observed to extend three feet bgs. The base of SD-1 consisted of debris including sandy gravel and numerous expended cigarette butts. Surface drain SD-2 extended 9.2 feet bgs and appeared to have a solid bottom (not loose sediment).Surface drain SD-3 extended 9.6 feet bgs and had a solid bottom. The details of SD-2 and SD-3 were not thoroughly explored as this would have required confined space entry.

3.3.5 Septic System

The septic system for the building was reported to have been changed from a septic tank and dry well system to municipal septic service in September, 2006. Prior to the Site Characterization Investigation, no documentation of the construction or status of the original septic system used before connecting to the municipal sewer could be located, making the septic system an AOC. The Palmerton Group contacted the Village of Painted Post, New York State Department of Health (NYSDOH), and the Town of Erwin for information regarding the septic system.

3.3.6 Sub-Slab Soil Vapor

The presence of contamination from the former UST excavation and the unknown destination of the interior building floor drains present the potential for the presence of

contamination in the soil vapor below the site building. The sub-slab soil vapor is the final AOC.

4.0 Site Investigation

The Site Characterization Investigation of the Former Painted Post Car Mart performed by Palmerton Group in September, 2008, included the collection of site soil, sediment, groundwater, and sub-slab soil vapor samples, the delineation of interior and exterior building drainage system and flow direction, and investigation of the building sewer system, including the presence or absence of the former septic tank and leach field. The site investigation followed the NYSDEC approved SCWP (Palmerton Group, 2008) with the intention of characterizing potential subsurface contamination, if present, by looking into six specific AOCs identified from work previously performed at the site. The AOCs, as discussed previously, include: the former UST excavation; an area in the parking lot to the north of the former UST excavation; the drainage ditch along the east property boundary; the site building drainage system; the septic system; and the building sub-slab soil vapor. A detailed discussion of the investigation of each of the AOCs follows below. NYSDEC representatives Gary Bonarski and Bob Long were onsite observers at various times throughout the field investigation.

Prior to installing the monitoring wells or soil borings, the surface of the immediate area for the boring was screened with a Schonstedt GA72CD magnetometer. During the installation of soil borings and monitoring well, a Community Air Monitoring Program (CAMP) was followed. This included setting up a photo-ionization detector (PID) and dust monitoring system to log the site air quality. The CAMP station was chosen downwind of the immediate work area. The dust monitor and PID were each enabled with an alarm to warn workers of dangerous levels of VOCs or dust should they develop. Through the course of this work the PID and dust level monitor never triggered the alarm. Review of the data logged by each of the devices indicates that levels were at or near background levels. These data are not included with this report, but are available for review upon request.

4.1 Former UST Excavation

The former UST excavation area is the primary AOC at the site, as described previously. The investigation of the former UST excavation area relied on pre-exiting data and wells installed in May 2007 (MW-1, MW-2, MW-3 and MW-4). A description of the soils encountered during the installation of the borings, and monitoring well construction is illustrated in the Monitoring Well Logs (Appendix C). The prior data indicated that the UST area is underlain with up to eight feet of fill over native sand and gravel soils. The groundwater level during well installation in May 2007 was approximately 4.5 feet bgs.

The analytical results of the May 2007 sampling (Appendix D) generally indicated the absence or low levels of contaminants at the periphery (MW-2, MW-3, MW-4) of the

former UST area (see Figure 4 for monitoring well and soil boring locations). The prior data indicated COCs were concentrated in the area of the former UST excavation near well MW-1. The well logs with as-built well construction figures are included in Appendix C. The September 2008 investigation further defined the extent of COCs in this area; and the investigation activities are described in the following sections.

4.1.1 Soil Sampling

Locations of additional soil borings in the area of the former UST were chosen based on the results of the May 2007 soil sampling. In an effort to further evaluate the extent of the contamination immediately adjacent to the former UST area, and to satisfy the NYSDEC DER-10 requirements for a proper tank closure of the former UST, three soil borings (SB-2, SB-3, and SB-4) were installed at the outside perimeter of the former excavation during the September 2008 Site Characterization Investigation. Two soil samples were taken from each of these borings, one above the water table and one below the water table per the recommendation of the NYSDEC. Soil borings were advanced down-hole through continuous sampling using an Ingersoll Rand A300 direct push/rotary auger rig with a four foot long split-spoon sampler. Dedicated disposable acetate liners were used for each soil sampling interval and were replaced before further advancing the hole to the next interval. The sampling equipment was decontaminated between holes.

During the sample collection, the soils were logged and screened with a photo-ionization detector (PID). Any soil sample with an elevated PID reading (>5 parts per million) would have been preferentially collected for laboratory analysis. However, the highest PID reading was at background levels at SB-4 in the 0-4 foot interval (2.1 ppm). All other PID readings taken during the soil sampling phase of the investigation were at 0.0 ppm. The samples collected from the soil borings were analyzed for VOCs, SVOCs and heavy metals by Columbia Analytical Services.

Monitoring well MW-5 was installed adjacent to existing well MW-1, within the backfill of the former UST excavation. This well extended to a depth of 20 feet bgs. PID screening of the soil samples collected as the boring progressed indicated a reading of 3.1 ppm at the 4-8 foot interval, 16.0 ppm from 8-12 feet and 1.6 ppm at the 16-20 foot interval. Soil samples were collected for laboratory analysis from this boring at 4-6 feet and 10-12 feet. The samples were analyzed for VOCs, SVOCs and heavy metals by Columbia Analytical Services.

4.1.2 Groundwater Sampling

As indicated above, monitoring well MW-5 was installed adjacent to existing well MW-1 and within the backfill of the former UST excavation. This two-inch diameter well extended to a depth of 20 feet bgs and was screened from 15 feet to 20 feet bgs, with a screen slot size of 0.010 inch. After placing the well casing, size zero sand was poured into the annular space up to 12.5 feet bgs, or 2.5 feet above top of screen. Above the sand, two feet of Wyo-Ben Enviroplug – medium NSF/ANSI 60 bentonite was place in the annular space. Once in place, the bentonite was hydrated. The remaining annular

space was grouted. A flush-mount manhole was then installed at the wellhead. The monitoring well was then developed with a bailer. Two gallons of water were removed from the well before it went dry. Purged water was containerized in labeled 55-gallon drums to await disposal at an appropriate disposal facility. The well was allowed to recover for more than 24 hours before being sampled. Groundwater samples were collected from the five monitoring wells (e.g. the four previously installed wells and MW-5).

Prior to sampling, a PID screening was performed at the top of each casing, and the depth to water was recorded. Separate phase hydrocarbons were not detected or observed in any well. Bailers were used to purge three well volumes from monitoring wells MW-1 through MW-4. A single bailer volume was purged from MW-5 before it went dry. Groundwater samples were taken with bailers. Each sample was collected with bailers and transferred to laboratory provided bottles and placed on ice for preservation. All five wells were sampled for VOC analysis on September 10, 2008. Monitoring wells MW-1 through MW-4 were also sampled for SVOC analysis on September 10, 2008. Due to a lack of water in MW-5, the sample for SVOC analysis from this well was collected the following day after the well was allowed to recover (September 11, 2008). Monitoring well observations are summarized in Table 4.

4.2 Parking Lot Area North of Former UST Excavation

4.2.1 Soil Sampling

A single soil boring, SB-1, was installed in the area of the parking lot to the north of the former UST excavation, an area described by the Bates Phase I as a potential former tank excavation (Bates, 2005). This boring was advanced to a depth of 12 feet bgs in a manner consistent with the process described in Section 4.1.1. In accordance with the SCWP, each four-foot soil interval was screened with a PID. Of the entire boring, the lower two feet of the 0-4 foot bgs interval had the highest PID reading (2.0 ppm). From the 2-4 foot interval, soil sample "SB1 2-4 feet" was collected for laboratory analysis of VOCs, SVOCs and heavy metals.

4.3 Drainage Ditch

4.3.1 Soil Sampling

A total of five soil samples and one duplicate sample were taken from the drainage ditch along the east site property boundary to better define the extent of contaminants found during previous sampling. The concern for this area was that petroleum-related compounds such as SVOCs may have been introduced into the ditch through the outfall of the drainage pipe. Sample location DS-1 was located approximately 375 feet up-gradient of the outfall and is considered to be the control sample. Sample DS-2 was collected approximately 12 feet up-gradient of the outfall pipe, sample DS-3 was collected approximately 11 feet down-gradient of the outfall, and sample DS-4 was

collected offsite, approximately 300 feet down-gradient of the outfall. At the time sample DS-4 was collected, a soiled oil boom was observed in the drainage ditch. Sample DS-5 was a duplicate of DS-1. All samples were collected on September 10, 2008. Per the request of NYSDEC representative Gary Bonarski, a sixth drainage ditch soil sample (sample DS-6) was collected from the drainage channel. This sample was collected on September 11, 2008 directly beneath the outfall pipe. Prior to collecting sample DS-6, overburden material was removed to a depth of eight inches. PID readings of the drainage ditch soil were taken during the soil sampling process. Laboratory analysis for VOCs, SVOCs and metals was performed on all of the drainage ditch soil samples. PCB analysis was also performed on sample DS-6.

4.4 Site Drainage

The site drainage system was investigated to determine the fate of waters collected both inside and outside of the building. A systematic approach was used in the investigation to determine source, connections, flow paths, and discharge points.

4.4.1 Interior Drainage

The interior drainage of concern was the design of three sumps and an oil-water separator. Prior to the investigation, the approximate 4-inch diameter pipes draining the sumps were observed to be plugged with removable plastic plugs. In discussing the drainage system with site facilities manager (Frank Laubmeier), he indicated that he had plugged the drains. Mr. Laubmeier also indicated that he had performed a drainage study prior to plugging the drains and observed the floor drains flowing to the oil-water separator which in turn flowed to the drainage ditch. Upon learning that the oil-water separator flowed to the ditch, Mr. Laubmeier plugged the line at the oil-water separator effluent with an expandable plug. The pipe connection of the oil-water separator to the ditch was confirmed as part of this Site Characterization Investigation.

The sump in the service bay, furthest to the west from the oil-water separator, was labeled FD-1 (see Figure 6). This sump serves to collect water from the bus washing operations that are part of the current business activities. At the time of the investigation, FD-1 had been pumped down to reveal an expandable removable plug preventing flow from the sump. When FD-1 is full, it is pumped to the septic holding tank with a sump pump. The plug was removed and a garden hose was connected to a nearby fresh water tap and inserted into the outflow pipe. When the water was turned on, the liquid level in the oil-water separator was observed to rise. The only apparent outfall line from the oil-water separator had been previously plugged by Mr. Laubmeier as discussed above. The liquid level in the oil-water separator rose until the water all in the incoming lines stopped flowing, confirming a connection between FD-1 and the oil-water separator. After the investigation of FD-1 was complete, the expandable removable plug was returned to the outflow of FD-1.

Sump FD-2 is located on the north end of the building, in the same room as the oil-water separator. The outflow pipe to this drain was not plugged as it is in an area that does not

receive a large amount of traffic. The base of this area drain was observed to be dry. Water was introduced into the outflow pipe via the same hose as used at FD-1. Shortly after turning on the water, water began flowing out of an opening on the north end of FD-3, located between FD-2 and the oil-water separator, confirming that FD-2 drains to FD-3.

The final step in the interior floor drain investigation was the fate of water collected in FD-3. A plug, similar to that in FD-1, was observed to be in place at the effluent of FD-3. This plug was removed and water was then introduced to the outfall pipe of FD-3. The liquid level in the oil-water separator was observed to rise, confirming a connection from FD-3 to the oil-water separator. Upon completing the interior drainage study, all plugs were returned as they were found.

4.4.2 Exterior Drainage

The exterior drainage system consists of two parts, the building roof drains and the three parking lot area surface drains (see Figure 6). To investigate the roof drains, water was first introduced through garden hose to the two roof drains in the northern portion of the roof while at the same time observations were made of the septic collection tank and the drainage outfall pipe in the drainage ditch. After a few minutes of pumping water, clear water was observed to run into the drainage ditch.

Next, red tracer dye was poured into two roof drains in the central part of the building. The tracer was then flushed with tap water from the hose. Within several minutes, red dyed water was observed to flow out of the outfall pipe in the drainage ditch. The hose was turned off and the water was allowed to drain for several minutes.

The final portion of the roof drain investigation was flushing a single roof drain at the southern portion of the building. Tap water was introduced into this drain through the hose and allowed to run. Within several minutes, the now stagnant red stained water in the ditch was observed to have a current of water flowing through it. Several minutes later, the red dye was observed to become increasingly diluted.

The three parking lot surface drains were investigated to determine if there was any communication between them and the drainage ditch. Through visual inspection of SD-1, it was determined that the surface drain was constructed of concrete walls with approximately 1 to 2 inch diameter holes. The investigation of the exterior parking lot surface drains began by flushing SD-2 with water from a garden hose for approximately 10 minutes. While SD-2 was being flushed, constant observations were made of the drainage ditch outfall pipe and SD-3. No change in water was observed in the drainage ditch and no water was observed to enter SD-3. Similarly, water was introduced to SD-3 for 10 minutes, and no changes were observed in the drainage ditch or in either of the other surface drains. Surface drain SD-1 contained silty sandy debris, apparently washed in from the parking lot, to within approximately three feet bgs. A sample of this debris was collected for VOC, SVOC, metals and PCB analysis. Due to the elevated level of

the bottom of SD-1 (3 feet bgs compared to 9.5 feet bgs in SD-2 and SD-3), constant observation of SD-1 was not made while flushing the other to drains.

4.5 Septic System

The former septic system was reported to have been modified to tie into the municipal system, however no documentation of the original construction or this alteration could be found through a Freedom of Information Law (FOIL) request to the NYSDOH or inquiries made with the Town of Irwin and the Village of Painted Post via telephone. Mr. Doug Wicks, code enforcement officer for the Town of Erwin, indicated by phone and in a facsimile that he observed cleaning of the former septic tank prior to it being converted into a sewage storage tank, its current use. Mr. Wicks also indicated he did not believe there was a leach field associated with the previous septic system, but that a series of concrete dry wells had been present and were removed when the system was converted to municipal sewer connection circa 2006. Mr. Jerry Buckley, site operations manager for Birnie Bus, observed the excavation of the septic dry wells and indicated their approximate former location.

Because no evidence was found indicating the presence of a leach field, a single soil boring, SB-5, was installed in the area indicated by Mr. Buckley as the approximate location of the former septic dry wells. This soil boring was installed in a method consistent with that described in Section 4.1.1. The boring extended to a depth of 12 feet bgs and encountered silty clay to a depth of five feet bgs, where there was a change to silty sand. The silty sand extended to a depth of eight feet bgs, where there was a change to gravelly sand that continued to the bottom of the boring. During the soil boring installation, groundwater was observed to be approximately seven feet bgs. PID screening of the soil samples were below background levels. Soil sample "SB5 4-6'" was taken for laboratory analysis of VOCs, SVOCs and heavy metals by Columbia Analytical Services.

To confirm that the site septic system flowed to the sewage collection tank, the tank lid was removed while the interior building sinks and toilets were individually flushed. Water was observed entering the septic storage tank after the flushing of each sink and toilet; there was no flow to the drainage ditch.

4.6 Sub-Slab Soil Vapor

The site characterization investigation was performed in September 2008 and outside of the heating season which is the preferred time for a soil vapor intrusion (SVI) investigation activities. For this reason, a preliminary soil vapor source investigation intended to identify and confirm the source, if present, of potential soil vapors impacted by the release from the former UST was performed. Centek Laboratories of Syracuse, New York provided personnel and laboratory services to collect and analyze the soil vapor samples.

The preliminary soil vapor investigation consisted of three sub-slab soil vapor samples taken through three temporary sub-slab sampling points installed in the building floor (see Figure 7). Sample SV-1 was located near the east wall of the building. Sample SV-2 was located towards the middle of the room and approximately 35 feet away from SV-1. Sample SV-3 was located in the western portion of the building. The sample points were installed using a 3/8-inch diameter hole drilled through the sub-slab into the underlying soil. A 3/8-inch outer diameter, ¼-inch inner diameter piece of Tygon© tubing was inserted into the drilled hole. The hole was then sealed with modeling clay and the sample tube was purged of three volumes of air using a 60 cubic centimeter (cc) syringe.

An Entech Regulator was attached to the tubing, and clamped in place. A clean 1-liter Silonite Lined Canister was connected to the regulator with vacuum reading of -30inches of mercury. The canisters were then allowed to collect soil vapor for eight hours. During the collection of soil vapor samples, a product inventory was taken of the entire building. A floor plan locating the soil vapor samples was made. Cracks in the surface of the slab were noted.

At the end of 8 hours of sampling, the summa canisters were removed and a helium leak test was performed on each sample location. The leak test was performed by placing a stainless steel dome over the sample point. The sample point was connected to exit tubing on the dome. A Restek Helium Detector (Serial # 5273) with a preset sampling rate of 50 cc/min was inserted into the exit tubing/port of the dome to determine if there is short-circuiting occurring. As the Restek Helium Detector purged, 3 liters of pure helium was then injected into the dome through a second port. The helium leak test was performed at each sample point for two minutes and purging flow rates did not exceed 0.2 liters/minute. During the tests, no helium was detected at any of the locations, confirming there were no leaks at any of the sampling points.

4.7 Laboratory Analysis

Soil, sediment and groundwater samples chosen for analysis were packed with ice and transported in a cooler to Columbia Analytical Serices, located inRochester, New York under standard chain-of-custody protocols.

Consistent with DER-10, the soil, surface sediment, and drainage sediment samples were analyzed for VOCs using Method 8260 Target Compound List (TCL) plus STARS plus Tentatively Identified Compounds (TIC), for SVOCs using Method 8270 TCL plus TICS, and for metals using Method 6010. Sediment samples SD-1 and DS-6 were also analyzed for PCBs using Method 8082.

Groundwater samples were analyzed for VOCs using USEPA Method 8260 TCL plus STARS plus TICs; and SVOCs using USEPA method 8270 plus TICS.

The soil vapor samples were analyzed by Centek Laboratories for VOCs using USEPA Method TO-15 with a detection limit of less than 1 micro-grams per cubic meter ($\mu g/m^3$).

Results of the laboratory analysis were sent to Mr. Bruce Wallin for third party validation. Mr. Wallin's review is included as Volume II of this report with the laboratory analytical reports.

5.0 Results and Conclusions

This section presents the results of the Site Characterization Investigation. Each of the following sections provides analytical results for each AOC. Analytical results are also summarized in Tables 4 through 15 and in Figures 8 through 16.

5.1 Former UST Excavation

5.1.1 Soil

In the area of the former UST, analysis of the soil sample collected from MW-5 at 4-6 feet bgs detected VOC concentrations of 1,2-dichlorobenzene (13,000 µg/kg) above NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objective of 1,100 µg/kg. Concentrations of an additional 22 VOCs were detected below NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives.

Eight of the 26 VOCs analyzed for were detected in the 10 remaining soil boring samples at concentrations below NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives.

No SVOCs were detected above NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives in the soil samples collected from the soil borings. Eighteen of the 21 SVOCs analyzed were detected in one or more soil samples below NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives.

Concentrations of metals below NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives levels were reported in all soil samples from borings SB-1 through SB-3 and MW-5. The only metal to exceed 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives was chromium (54.9 mg/kg) in SB-4 12-14'. However, this analysis was for total chromium and was not speciated for trivalent chromium. Calcium, in soil sample, "SB-2 10-12'" was detected at a concentration of 88,100 mg/kg which exceeded the NYSDEC TAGM 4046 Eastern USA Background levels,. Calcium is compared to TAGM 4046 because 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives does not define a calcium standard.

5.1.2 Groundwater

Groundwater VOC and SVOC levels are summarized in Tables 11 and 12 and are compared to NYSDEC TAGM 4046 standards.

The groundwater sample from MW-5 contained concentrations of benzene (1.9 µg/L) and 1,2-dichlorobenzene (24 µg/L) above their respective NYSDEC TAGM 4046 groundwater standards. An additional 14 VOCs were detected in this sample were below their respective NYSDEC TAGM 4046 groundwater standards.

The VOC and SVOC concentrations detected in other groundwater samples collected were below their respective NYSDEC TAGM 4046 groundwater standards.

5.2 Area North of Former UST Excavation

5.2.1 Soil

In the area to the north of the former UST excavation, no VOCs or SVOCs were detected above their NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives. Metals were all detected below NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives.

5.3 Drainage Ditch

5.3.1 Soil

All six VOCs detected from the analysis of the drainage ditch soil samples were below NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives. The drainage ditch soil VOC analytical data is summarized in Table 5B and depicted on Figure 13.

The drainage ditch soil samples contained concentrations of SVOCs as summarized in Table 5B and shown on Figure 14. Sample "DS-2" was reported as containing seven SVOCs: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo (a,h) anthracene, indeno(1,2,3-cd)pyrene above respective NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives.

Sample "DS-3" was reported as containing eight SVOCs: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo (a,h) anthracene, fluoranthene and indeno(1,2,3-cd)pyrene above respective NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives.

Sample "DS-4" and "DS-6" were reported as containing six SVOCs: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene above respective NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives.

No metals were detected above the NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives. The only PCBs detected at the site were below NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives standards and found in sample DS-6 at the pipe outfall in the drainage ditch soil. This data is presented in Table 7 and on Figure 16.

5.4 Site Drainage

The site drainage, both interior and exterior, was confirmed to gravity flow via solid-walled pipe to the drainage ditch. The interior drainage has been plugged with an expandable, removable plug to stop the contents of the oil-water separator from being emptied into the ditch. The three surface drains in the site parking lots are all dry wells. The drainage ditch now only receives storm water collected from the building roof drains. The site drainage system is depicted in Figure 6.

The only VOC detected in the debris sample taken from SD-1 was acetone (2.0 µg/kg, estimated), and was also detected in an associated analytical blank (Tables 5B, Figure 13). No PCBs were detected in SD-1 (Table 8, Figure 14). No metals were detected above the NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives or NYSDEC TAGM 4046 Eastern USA Background levels (Table 7B, Figure 15).

Levels of six SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-CD)pyrene) were found in the debris sample SD-1 above NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives. This information is summarized in Table 6B and illustrated on Figure 14.

5.5 Septic System

The site sanitary sewer system was confirmed to empty to the septic holding tank, where it is held until it is pumped into the municipal sewer system. Analysis of the soil sample SB-5 4-6', collected in the suspected former septic dry well area contained only one VOC, acetone, contributed to laboratory contamination. The only SVOCs detected from this sample were detected at a concentration below the NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives.

Metals were all detected below NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives in soil sample "SB-5 4-6'".

5.6 Sub-Slab Soil Vapor

The soil vapor samples indicate levels of VOCs above detection limits beneath the building slab. The soil vapor analysis is summarized in Table 15 and is illustrated on Figure 16.

6.0 Findings and Conclusions

This section provides a summary of the soil and groundwater gathered during this investigation, including the nature and extent of contamination. In addition, the conclusions of the investigation and recommended further actions are presented. Soil vapor data is presented in the Soil Vapor Characterization Report issued to the NYSDEC in July 2009.

6.1 Summary of Findings

In an attempt to determine the impact of past site activities on the subsurface environment at the site, five soil borings were installed and soil samples were collected from each boring, one soil boring was converted to a monitoring well. Subsequent to conversion to a monitoring well groundwater samples were collected from this well and four previously installed wells. Additionally, sediment samples were collected from a drainage ditch and a parking lot surface drain. Sub-slab soil vapor samples were collected from beneath the building. Finally, sumps, sewer and drainage features were investigated.

Soil samples were scanned with a PID and samples with the highest readings were sent for laboratory analysis.

Results indicate the following:

- One VOC (1,2-dichlorobenze) exceeded NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives in soil samples collected in the immediate vicinity of the former UST. Two VOCs (benzene and 1,2-dichlorobenzene) exceeded NYSDEC groundwater standards in this area. However, analytical results from soil samples and groundwater samples outside of the former UST indicate no VOCs or chlorinated solvents above the NYSDEC standards.

- Soil (sediment) samples collected from the drainage ditch indicate SVOCs, primarily PAHs, above NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives in the immediate vicinity of the drainage outfall, with no SVOCs detected upstream and relatively lower levels of SVOCs detected 300 feet downstream. Samples “DS-2”, “DS-3”, and “DS-6” were collected in the immediate area of the site drainage outfall pipe. The elevated levels of SVOCs are contributed to the previous site activities that included discharge of the oil-water separator into the ditch.

- Several VOCs were detected above detection limits (e.g. approximately as much as 10 times the detection levels) in sub-slab soil vapor samples.

- All of the interior sumps were found to have been connected at one time (currently plugged), ultimately leading to an oil-water separator which was found to have been connected to an exterior drain pipe and outfall at the drainage ditch along the eastern property boundary.

- The parking lot surface drains were determined to be dry wells and not connected to each other or any off-site drainage.

6.2 Conclusions

Based on the results of the soil, groundwater and sub-slab soil vapor investigation at the site, Palmerton Group has formed the following conclusions:

- A very localized and limited area of soil and groundwater has been impacted by petroleum hydrocarbons and chlorinated solvents in the vicinity of the former UST. This is likely the effect of groundwater in direct contact with soils containing VOCs as groundwater sampled outside of the UST excavation area has not shown any VOCs at these levels. Based on these results, this area remains an AOC;

- A localized and apparently limited area of soil (sediment) in the eastern drainage ditch has been impacted by SVOCs, primarily PAHs, exceeding the NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives. A downstream sample (DS-4) indicates the levels of PAHs decrease with distance away from the apparent source (the drainage outfall);

- Sub-slab soil vapor results exceed analytical detection limits by approximately 10 times for several VOCs; and

- The area to the north of the former UST and the septic system were found not to contain VOCs, SVOCs, or metals at concentrations exceeding NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Soil Use Cleanup Objectives.

6.3 Recommendations

The following recommendations are made based on the known site conditions and conclusions reached by this SCI:

- The VOC concentrations in both soil and groundwater in the vicinity of the former UST, have been present since the initial tank spillage in September 2006 with apparently little or no migration. However, it is recommended that an Interim Remedial Measure (IRM) be implemented immediately to reduce the impacted soils in order to eliminate the residual source. Given the apparent localized and limited extent, a source removal remediation is proposed whereby the soil (and groundwater in direct contact with VOC containing soil) in the

excavation be removed and disposed at an appropriate disposal facility. This would be followed by a round of groundwater monitoring to be performed six months after the impacted soil and groundwater is removed to verify that the levels of VOCs are reduced to acceptable levels;

- Although the soil in the drainage ditch contains several SVOCs exceeding NYSDEC cleanup criteria, the sampling and analytical data indicate the SVOC impacts appear to be localized and limited in volume. The recommendations are to remove these soil at the same time as the above proposed UST area IRM; and

- Preliminary soil vapor sampling indicates the presence of VOCs beneath the building slab. To better characterize soil vapor and the potential exposure pathway, sampling of sub-slab soil vapor during the heating season with accompanied indoor and outdoor air sampling is recommended.

7.0 References

(Bates, 2005) Bates Consulting, Inc., *Phase I Environmental Site Assessment Report Scope & Summary Painted Post Car Mart, 124 Victory Highway, Painted Post, NY 14870, July 12, 2005.*

(Miller et al, 1982), Miller, T. S.; Belli, J. L.; Allen, R. V., 1982, Geohydrology of the valley-fill aquifer in the Corning area, Steuben County, New York U.S. Geol. Survey Open-File Rept. 82-85

(Muller, 1986) Muller, E. H., Caldwell, D. H., *Surface Geologic Map of New York State – Finger Lakes Sheet*, *University of the State of New York, The State Education Department, 1986.*

(NYSDEC, 2007) New York State Department of Environmental Conservation, *Order on Consent for 124 Victory Highway, Painted Post, NY – Effective Date October 15, 2007.*

(NYSDEC, 2006) New York State Department of Environmental Conservation, *DER-13/Strategy for Evaluating Soil Vapor Intrusion at Remedial Sites in New York, October, 2006.*

(NYSDEC, 2002) New York State Department of Environmental Conservation, *Draft DER-10 Technical Guidance for Site Investigation and Remediation, December 2002*.

(NYSDOH, 2006) New York State Department of Health, *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, *October, 2006.*

(NYS GIS Clearinghouse, 2007) http://www1.nysgis.state.ny.us/MainMap.cfm, 2007

(Palmerton 2007a) *Personal Communication between David Palmerton and David Teeter, February 13, 2007.*

(Palmerton, 2007b) The Palmerton Group, LLC. *Environmental Investigation Work Plan, May 2007.*

(Rickard, 1970) Rickard, L. V., Fisher, D.W., *Geologic Map of New York – Finger Lakes Sheet*, *University of the State of New York, The State Education Department, 1970.*

(Teeter 2006a) Teeter Environmental Services, Inc., *Phase II Environmental Site Assessment Report, March 13 2006.*

(Teeter 2006b) Teeter Environmental Services, Inc., *Supplemental Phase II Environmental Site Assessment, March 27 2006.*

(Teeter 2006c) Teeter Environmental Services, Inc., *Soil and Sediment Excavation, August 13, 2006.*

(Teeter 2006d) Teeter Environmental Services, Inc., *UST Removal and Excavation Sampling NYSDEC Spill #0470187, October 27 2006*

APPENDIX A

Tables

Table 1
Chronology of Events
124 Victory Highway,
Painted Post, NY

Date	Event
July 12, 2005	Phase I Report by Bates Consulting, Inc.
March 13, 2006	Phase II Report by Teeter Environmental Services, Inc.
March 27, 2006	Supplemental Phase II Environmental Site Assessment by Teeter Environmental Services, Inc.
June 8, 2006	T&K Realty purchased property from the Chapter 7 Trustee of Gordon A. Hakes
June 19, 2006	Test pit dug in area of B5 by Teeter Environmental Services, Inc.
August 13, 2006	Soil and Sediment Excavation report by Teeter Environmental Services, Inc.
September 7, 2006	1,000 gallon UST was uncovered by Keuka Construction Corporation while installing a sewer lateral at the site.
October 27, 2006	UST Removal and Excavation Sampling NYSDEC Spill #0470187 report issued by Teeter Environmental Services, Inc.
January 16, 2007	The Palmerton Group reviews site activities at the request of T&K Realty
May 3-4, 2007	Environmental Site Investigation by The Palmerton Group
October 22, 2007	NYSDEC issued Order on Consent for the site, effective date 10/15/2007
August 8, 2008	Palmerton Group Site Characterization Work Plan accepted by NYSDEC
September 8-11, 2008	Palmerton Group performs Site Characterization Investigation
November 6, 2009	Palmerton Group Submits Site Characterization Report
February 25, 2009	NYSDEC and Palmerton Group meeting in Avon, NY. Draft Remediation plan hand delivered by Palmerton Group to NYSDEC
March 12, 2009	Palmerton Group Performs Soil Vapor Intrusion Investigation
May 18, 2009	Palmerton Group submits revised IRM Plan to NYSDEC
June 19, 2009	Email from Gary Bonarski with IRM Plan approval letter received
July 8, 2009	Palmerton Group submits Soil Vapor Characterization Report

Table 4
Monitoring Well Observations
124 Victory Highway
Painted Post, NY

Monitoring Well Identification	Purge Date	PID Reading (ppm)	Well Depth	Top of Casing Elevation	Depth to Water (9/10/08)	Water Table Elevation (9/10/08)	Purge Method	Well Volume (gal.)	Volume Purged (gal.)	Sample Date	Sample Method	Sample Start Time	Sample End Time	Dissolved Oxygen (mg/L)	pH	Turbidity (NTU)	Temperature (ºC)	Conductivity (ms/cm)
MW-1	9/9/2008	1.3	14.5'	945.73'	9.22'	936.51'	Bailer	1.5	4.5	9/10/2008	Bailer	9:40	10:16	10.52	5.94	143	17.4	0.708
MW-2	9/9/2008	25.5	14.5'	945.57'	9.10'	936.47'	Bailer	1.48	4.5	9/10/2008	Bailer	10:30	10:45	9.82	7.6	75	18.4	0.636
MW-3	9/9/2008	3.1	14.5'	945.96'	9.47'	936.49'	Bailer	1.54	4.5	9/10/2008	Bailer	11:58	12:15	11.43	7.16	67	18.7	0.649
MW-4	9/9/2008	5.3	14.5'	945.65'	9.25'	936.40'	Bailer	1.5	4.5	9/10/2008	Bailer	12:31	13:05	11.06	7.08	10	18.0	0.671
MW-5	9/9/2008	55.3	19.5'	N/A [1]	9.00'	N/A [1]	Bailer	1.5	*	9/10/2008††	Bailer	13:40	13:50	12.40	7.55	513	16.8	0.733

*1 Bailer removed - well went dry

†† VOCs were sampled on 9/10/08, SVOCs were sampled on 9/11/08

[1] Elevation of the top of casing for MW-5 is not available

Table 5A
Soil
Volatile Organic Compounds (µg/kg)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Values[1] (µg/kg or ppb)			NYSDEC 6NYCRR Part 375 Values (µg/kg or ppb) Protection of Public Health	NYSDEC 6NYCRR Part 375 Values (µg/kg or ppb) Protection of Public Health		MW-5 4-6'	MW-5[4] 4-6'	MW-5 8-10'	SB-1 2-4'	SB-2 6-8'	SB-2 10-12'	SB-2D 6-8'	SB-3 4-6'	SB-3 12-14'	SB-4 4-6'	SB-4 10-12'	SB-5 4-6'	EQUIP BLK
	Allowable Soil Conc.	Soil Cleanup to Protect GW	Recommended Soil Cleanup Objective[2]	Unrestricted Soil Use Cleanup Objectives	Restricted Soil Use														
					Restricted - Commercial	Restricted - Industrial	collected: 9/8/08	collected: 9/8/08	collected: 9/8/08	collected: 9/8/08	collected: 9/8/08	collected: 9/8/08	collected: 9/8/08	collected: 9/8/08	collected: 9/8/08	collected: 9/8/08	collected: 9/8/08	collected: 9/9/08	collected: 9/9/08
Acetone	1.1	110	200	50	500,000	1,000,000	30JB[3]	ND	2.2JB[3]	1.8JB[3]	3.6JB[3]	6.9JB[3]	1.3JB[3]	ND	1.5JB	1.5JB[3]	2.0JB[3]	3.5JB[3]	ND
Benzene	0.6	60	60	60	45,000	89,000	8.9J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	3	300	300	NA	NA	NA	ND	36JD	ND	ND	ND	0.81J	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	17	1,700	1,700	1,100	500,000	1,000,000	170J	95JD	2.1J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NA	NA	NA	NA	NA	NA	23J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	79	7,900	7,900	1,100	500,000	1,000,000	13,000E	13,000D	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	15.5	1,550	1,600	2,400	280,000	560,000	300	270JD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	85	8,500	8,500	1,800	130,000	250,000	1,300E	1,200D	1.6J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1,2-Dichloroethene	1	100	100	250	500,000	1,000,000	28J	ND	0.68J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	55	5,500	5,500	1,000	390,000	780,000	7.8J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NA	NA	NA	NA	NA	NA	24J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P-Isopropylbenzene	NA	NA	NA	NA	NA	NA	5.7J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NA	NA	NA	NA	NA	NA	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	1	100	100	50	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene[5]	130	13,000	13,000	12,000	500,000	1,000,000	18J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Butylbenzene	NA	NA	NA	NA	NA	NA	52J	110JD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Propylbenzene	NA	NA	NA	3,900	500,000	1,000,000	56J	42JD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	NA	NA	11,000	500,000	1,000,000	28J	36JD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	14	1,400	1,400	1,300	150,000	300,000	58J	40JD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	15	1,500	1,500	700	500,000	1,000,000	6.9J	ND	ND	ND	ND	0.42J	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	34	3,400	3,400	NA	190,000	380,000	120J	210JD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	71J	60JD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	4.4J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	7	700	700	470	200,000	400,000	12J	ND	ND	ND	0.56J	ND	0.66J	0.87J	ND	ND	ND	ND	ND
Total Xylenes	12	1,200	1,200	2,600	500,000	1,000,000	106J	50JD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

[1] NYSDEC TAGM 4046 Allowable Soil Concentration / Soil Cleanup Objectives to Protect Groundwater / Recommended Soil Cleanup Objective and STARS Memo

[2] As per TAGM 4046, Total VOCs <10,000 ppb, Total SVOCs <500,000 ppb, and Indiviual SVOCs <50,000 ppb

[3] Suspected lab or equipment contamination

[4] Duplicate with Analytical Dilution of 125.00

[5] Although NYSDEC lists naphthalene as a SVOC, laboratory analysis via method 8260B also reports naphthalene as a VOC

B - Indicates analyte was also found in an associated analytical blank

D - Identifies compounds identified in an analysis at a secondary dilution factor

E – Identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis

J – Indicates an estimated value

ND – Not detected above detection limits

NA – Not available

Units = micrograms per kilogram (µg/kg) (regulatory guidance values converted from values published as mg/kg)

Per NYSDEC instruction, TAGM 4046 Guidance values are presented and used only for analytes not available for 6 NYCRR Part 375-6

- Concentration above 6NYCRR Part 375 unrestricted soil use cleanup objectives

Table 5B
Soil
Volatile Organic Compounds (µg/kg)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Values[1] (µg/kg or ppb)			NYSDEC 6NYCRR Part 375 Values (µg/kg or ppb) Protection of Public Health	NYSDEC 6NYCRR Part 375 Values (µg/kg or ppb) Protection of Public Health		DS-1	Duplicate of DS-1	DS-2	DS-3	DS-4	DS-6	EQUIP BLK	SD-1
	Allowable Soil Conc.	Soil Cleanup to Protect GW	Recommended Soil Cleanup Objective[2]	Unrestricted Soil Use Cleanup Objectives	Restricted Soil Use									
					Restricted - Commercial	Restricted - Industrial	collected: 9/9/08	collected: 9/9/08	collected: 9/9/08	collected: 9/9/08	collected: 9/9/08	collected: 9/9/08	collected: 9/9/08	collected: 9/11/08
Acetone	1.1	110	200	50	500,000	1,000,000	1.7JB[3]	1.6JB[3]	3.1JB[3]	1.9JB[3]	1.1JB[3]	7.8JB[3]	ND	2.0JB[3]
Benzene	0.6	60	60	60	45,000	89,000	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	3	300	300	NA	NA	NA	ND	ND	ND	ND	ND	1.2J	ND	ND
Chlorobenzene	17	1,700	1,700	1,100	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	79	7,900	7,900	1,100	500,000	1,000,000	ND	ND	ND	ND	ND	1.2J	ND	ND
1,3-Dichlorobenzene	15.5	1,550	1,600	2,400	280,000	560,000	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	85	8,500	8,500	1,800	130,000	250,000	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1,2-Dichloroethene	1	100	100	250	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	55	5,500	5,500	1,000	390,000	780,000	ND	ND	ND	ND	ND	0.86J	ND	ND
Isopropylbenzene	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
P-Isopropylbenzene	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	1	100	100	50	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene[4]	130	13,000	13,000	12,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND
N-Butylbenzene	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
N-Propylbenzene	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	NA	NA	11,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	14	1,400	1,400	1,300	150,000	300,000	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	15	1,500	1,500	700	500,000	1,000,000	ND	ND	ND	ND	ND	5.3J	ND	ND
1,2,4-Trichlorobenzene	34	3,400	3,400	0	190,000	380,000	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	7	700	700	470	200,000	400,000	0.58J	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	12	1,200	1,200	260	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND

[1] NYSDEC TAGM 4046 Allowable Soil Concentration / Soil Cleanup Objectives to Protect Groundwater / Recommended Soil Cleanup Objective and STARS Memc

[2] As per TAGM 4046, Total VOCs <10,000 ppb, Total SVOCs <500,000 ppb, and Indiviual SVOCs <50,000 ppb

[3] Suspected lab or equipment contamination

[4] Although NYSDEC lists naphthalene as a SVOC, laboratory analysis via method 8260B also reports naphthalene as a VOC

B - Indicates analyte also found in associated analytical blank

J – Indicates an estimated value

ND – Not detected above detection limits

NA – Not available

Units = micrograms per kilogram (µg/kg) (regulatory guidance values converted from values published as mg/kg)

Per NYSDEC instruction, TAGM 4046 Guidance values are presented and used only for analytes not available for 6 NYCRR Part 375-6

Table 5C
Soil
Volatile Organic Compounds (µg/kg) - Method Blanks
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Values[1] (µg/kg or ppb)			NYSDEC 6NYCRR Part 375 Values (µg/kg or ppb) Protection of Public Health	NYSDEC 6NYCRR Part 375 Values (µg/kg or ppb) Protection of Public Health						
	Allowable Soil Conc.	Soil Cleanup to Protect GW	Recommended Soil Cleanup Objective[2]	Unrestricted Soil Use Cleanup Objectives	Restricted Soil Use		**METHOD BLK #1**	**METHOD BLK #2**	**METHOD BLK #3**	**METHOD BLK #4**	**METHOD BLK #5**
					Restricted - Commercial	Restricted - Industrial	analyzed: 9/17/08	analyzed: 9/18/08	analyzed: 9/19/08	analyzed: 9/18/08	analyzed: 9/19/08
Acetone	1.1	110	200	50	500,000	1,000,000	1.9J[3]	2.8J[3]	3.7J[3]	ND	ND
Benzene	0.6	60	60	60	45,000	89,000	ND	ND	ND	ND	ND
2-Butanone (MEK)	3	300	300	NA	NA	NA	ND	ND	ND	ND	ND
Chlorobenzene	17	1,700	1,700	1,100	500,000	1,000,000	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
Cyclohexane	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	79	7,900	7,900	1,100	500,000	1,000,000	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	15.5	1,550	1,600	2,400	280,000	560,000	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	85	8,500	8,500	1,800	130,000	250,000	ND	ND	ND	ND	ND
CIS-1,2-Dichloroethene	1	100	100	250	500,000	1,000,000	ND	ND	ND	ND	ND
Ethylbenzene	55	5,500	5,500	1,000	390,000	780,000	ND	ND	ND	ND	ND
Isopropylbenzene	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
P-Isopropylbenzene	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
Methylcyclohexane	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
Methylene chloride	1	100	100	50	500,000	1,000,000	ND	ND	ND	ND	ND
Naphthalene[4]	130	13,000	13,000	12,000	500,000	1,000,000	0.81J	0.86J	0.63J	ND	ND
N-Butylbenzene	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
N-Propylbenzene	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
sec-Butylbenzene	NA	NA	NA	11,000	500,000	1,000,000	ND	ND	ND	ND	ND
Tetrachloroethene	14	1,400	1,400	1,300	25,000	51,000	ND	ND	ND	ND	ND
Toluene	15	1,500	1,500	700	500,000	1,000,000	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	34	3,400	3,400	NA	190,000	380,000	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	ND	ND	0.62J	ND	ND
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
Trichloroethene	7	700	700	470	200,000	400,000	ND	ND	ND	ND	ND
Total Xylenes	12	1,200	1,200	260	500,000	1,000,000	ND	ND	ND	ND	ND

[1] NYSDEC TAGM 4046 Allowable Soil Concentration / Soil Cleanup Objectives to Protect Groundwater / Recommended Soil Cleanup Objective and STARS Memo

[2] As per TAGM 4046, Total VOCs <10,000 ppb, Total SVOCs <500,000 ppb, and Indiviual SVOCs <50,000 ppb

[3] Suspected lab or equipment contamination

[4] Although NYSDEC lists naphthalene as a SVOC, laboratory analysis via method 8260B also reports naphthalene as a VOC

J – Indicates an estimated value

ND – Not detected above detection limits

NA – Not available

Units = micrograms per kilogram (µg/kg) (regulatory guidance values converted from values published as mg/kg)

Per NYSDEC instruction, TAGM 4046 Guidance values are presented and used only for analytes not available for 6 NYCRR Part 375-6

Table 6A
Soil
Semi Volatile Organic Compounds (µg/kg)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Values[1] (µg/kg or ppb)			NYSDEC 6NYCRR Part 375 Values (µg/kg or ppb)	NYSDEC 6NYCRR Part 375 Values (µg/kg or ppb)		MW-5 4-6' collected: 9/8/08	MW-5 8-10' collected: 9/8/08	SB-1 2-4' collected: 9/8/08	SB-2 6-8' collected: 9/8/08	SB-2 10-12' collected: 9/8/08	SB-2D 6-8' collected: 9/8/08	SB-3 4-6' collected: 9/8/08	SB-3 12-14' collected: 9/8/08	SB-4 4-6' collected: 9/8/08	SB-4 10-12' collected: 9/8/08	SB-5 4-6' collected: 9/9/08	EQUIP BLK collected: 9/9/08
				Protection of Public Health	Protection of Public Health Restricted Soil Use													
	Allowable Soil Conc.	Soil Cleanup to Protect GW	Recommended Soil Cleanup Objective[2]	Unrestricted Soil Use Cleanup Objectives	Restricted - Commercial	Restricted - Industrial												
Acenaphthene	900	90,000	50,000	20,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	7,000	700,000	50,000	100,000	500,000	1,000,000	53J	42J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(A)Anthracene	30	3,000	224 or MDL	1,000	5,600	11,000	320J	330J	ND	78J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(A)Pyrene	110	11,000	61 or MDL	1,000	1,000	1,100	390	460	ND	90J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(B)Flouranthene	11	1,100	1,100	1,000	5,600	11,000	440	470	ND	110J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(G,H,I)Perylene	8,000	800,000	50,000	100,000	500,000	1,000,000	380J	480	ND	78J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(K)Flouranthene	11	1,100	1,100	800	56,000	110,000	330J	360J	ND	94J	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	NA	NA	NA	NA	NA	NA	40J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)Phthalate	4,350	435,000	50,000	NA	NA	NA	390	490	68J	270J	81J	150J	250J	1,100	190J	100J	62J	ND
Carbazole	NA	NA	NA	NA	NA	NA	52J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4	400	400	1,000	56,000	110,000	460	430	ND	120J	ND	36J	ND	ND	ND	ND	ND	ND
Dibenzo (A,H) Anthracene	$1.65x10^6$	$1.65x10^8$	14 or MDL	330	560	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butylephthalate	81	8,100	8,100	NA	NA	NA	44J	ND	44J	ND	41J	ND	51J	ND	ND	42J	ND	ND
Di-N-Octyl Phthalate	1,200	120,000	50,000	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	19,000	$1.9x10^6$	50,000	100,000	500,000	1,000,000	890	670	ND	220J	ND	64J	ND	91J	42J	ND	ND	ND
Fluorene	3,500	350,000	50,000	30,000	500,000	1,000,000	50J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)Pyrene	32	3,200	3,200	500	5,600	11,000	280J	350J	ND	69J	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	364	36,400	36,400	NA	NA	NA	310J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	13,000	13,000	12,000	500,000	1,000,000	69J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	2,200	220,000	50,000	100,000	500,000	1,000,000	380J	190J	ND	87J	ND	ND	ND	51J	ND	ND	ND	ND
Pyrene	6,650	665,000	50,000	100,000	500,000	1,000,000	770	570	ND	180J	ND	50J	ND	70J	ND	ND	ND	ND

[1] NYSDEC TAGM 4046 Allowable Soil Concentration / Soil Cleanup Objectives to Protect Groundwater / Recommended Soil Cleanup Objective and STARS Memo

[2] As per TAGM 4046, Total VOCs <10,000 ppb, Total SVOCs <500,000 ppb, and Indiviual SVOCs <50,000 ppb

J – Indicates an estimated value

NA – Not available

ND – Not detected above detection limits

Units = micrograms per kilogram (µg/kg) (regulatory guidance values converted from values published as mg/kg)

Per NYSDEC instruction, TAGM 4046 Guidance values are presented and used only for analytes not available for 6 NYCRR Part 375-6

Table 6B
Soil
Semi Volatile Organic Compounds (µg/kg)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Values[1] (µg/kg or ppb)			NYSDEC 6NYCRR Part 375 Values (µg/kg or ppb)	NYSDEC 6NYCRR Part 375 Values (µg/kg or ppb)		DS-1	Duplicate of DS-1	DS-2	DS-3	DS-4	DS-6	EQUIP BLK	SD-1
				Protection of Public Health	Protection of Public Health									
	Allowable Soil Conc.	Soil Cleanup to Protect GW	Recommended Soil Cleanup Objective[2]	Unrestricted Soil Use Cleanup Objectives	Restricted Soil Use									
					Restricted - Commercial	Restricted - Industrial	collected: 9/9/08	collected: 9/9/08	collected: 9/9/08	collected: 9/9/08	collected: 9/9/08	collected: 9/11/08	collected: 9/9/08	collected: 9/11/08
Acenaphthene	900	90,000	50,000	20,000	500,000	1,000,000	ND	ND	1,000J	ND	ND	350J	ND	1,500J
Anthracene	7,000	700,000	50,000	100,000	500,000	1,000,000	ND	ND	3,300J	6,400J	ND	710J	ND	2,500J
Benzo(A)Anthracene	30	3,000	224 or MDL	1,000	5,600	11,000	52J	60J	28,000	36,000	1,400J	2,600	ND	14,000
Benzo(A)Pyrene	110	11,000	61 or MDL	1,000	1,000	1,100	ND	71J	42,000	47,000	2,000J	3,300	ND	14,000
Benzo(B)Flouranthene	11	1,100	1,100	1,000	5,600	11,000	ND	77J	51,000	52,000	2,300J	3,500	ND	13,000
Benzo(G,H,I)Perylene	8,000	800,000	50,000	100,000	500,000	1,000,000	ND	55J	42,000	41,000	1,600J	3,200	ND	10,000
Benzo(K)Flouranthene	11	1,100	1,100	800	56,000	110,000	ND	60J	44,000	39,000	1,800J	3,000	ND	15,000
1,1'-Biphenyl	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)Phthalate	4,350	435,000	50,000	NA	NA	NA	ND	ND	2,000J	3,700J	1,400J	1,200J	ND	2,300J
Carbazole	NA	NA	NA	NA	NA	NA	ND	ND	5,700J	6,600J	ND	470J	ND	3,500J
Chrysene	4	400	400	1,000	56,000	110,000	72J	86J	53,000	53,000	2300J	3,600	ND	18,000
Dibenzo(A,H)Anthracene	$1.65x10^6$	$1.65x10^8$	14 or MDL	330	560	1,100	ND	ND	11,000	11000J	ND	730J	ND	2,800J
Di-N-Butylephthalate	81	8,100	8,100	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate	1,200	120,000	50,000	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	19,000	$1.9x10^6$	50,000	100,000	500,000	1,000,000	110J	140J	91,000	110,000	3,800J	8,100	ND	40,000
Fluorene	3,500	350,000	50,000	30,000	500,000	1,000,000	ND	ND	1,200J	2,300J	ND	310J	ND	1,300J
Indeno(1,2,3-CD)Pyrene	32	3,200	3,200	500	5,600	11,000	ND	48J	37,000	34,000	1,300J	2,500	ND	9,100
2-Methylnaphthalene	364	36,400	36,400	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	13,000	13,000	12,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	2,200	220,000	50,000	100,000	500,000	1,000,000	43J	58J	33,000	47,000	1,400J	4,500	ND	20,000
Pyrene	6,650	665,000	50,000	100,000	500,000	1,000,000	93J	110J	62,000	75,000	2,500J	6,300	ND	32,000

[1] NYSDEC TAGM 4046 Allowable Soil Concentration / Soil Cleanup Objectives to Protect Groundwater / Recommended Soil Cleanup Objective and STARS Memo

[2] As per TAGM 4046, Total VOCs <10,000 ppb, Total SVOCs <500,000 ppb, and Indiviual SVOCs <50,000 ppb

J – Indicates an estimated value

MDL – Method Detection Limit

NA – Not available

ND – Not detected above detection limits

Units = micrograms per kilogram (µg/kg) (regulatory guidance values converted from values published as mg/kg)

Per NYSDEC instruction, TAGM 4046 Guidance values are presented and used only for analytes not available for 6 NYCRR Part 375-6

- Concentration above 6NYCRR Part 375 unrestricted soil use cleanup objective

Table 6C
Soil
Semi Volatile Organic Compounds (µg/kg) - Method Blanks
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Values[1] (µg/kg or ppb)			NYSDEC 6NYCRR Part 375 Values (µg/kg or ppb) Protection of Public Health	NYSDEC 6NYCRR Part 375 Values (µg/kg or ppb) Protection of Public Health		Method BLK #1	Method BLK #2	Method BLK #3
	Allowable Soil Conc.	Soil Cleanup to Protect GW	Recommended Soil Cleanup Objective[2]	Unrestricted Soil Use Cleanup Objectives	Restricted Soil Use				
					Restricted - Commercial	Restricted - Industrial	analyzed: 9/16/08	analyzed: 9/16/08	analyzed: 9/16/08
Acenaphthene	900	90,000	50,000	20,000	500,000	1,000,000	ND	ND	ND
Anthracene	7,000	700,000	50,000	100,000	500,000	1,000,000	ND	ND	ND
Benzo(A)Anthracene	30	3,000	224 or MDL	1,000	5,600	11,000	ND	ND	ND
Benzo(A)Pyrene	110	11,000	61 or MDL	1,000	1,000	1,100	ND	ND	ND
Benzo(B)Flouranthene	11	1,100	1,100	1,000	5,600	11,000	ND	ND	ND
Benzo(G,H,I)Perylene	8,000	800,000	50,000	100,000	500,000	1,000,000	ND	ND	ND
Benzo(K)Flouranthene	11	1,100	1,100	800	56,000	110,000	ND	ND	ND
1,1'-Biphenyl	NA	NA	NA	NA	NA	NA	ND	ND	ND
Bis(2-Ethylhexyl)Phthalate	4,350	435,000	50,000	NA	NA	NA	ND	ND	ND
Carbazole	NA	NA	NA	NA	NA	NA	ND	ND	ND
Chrysene	4	400	400	1,000	56,000	110,000	ND	ND	ND
Dibenzo(A,H)Anthracene	$1.65x10^{6}$	$1.65x10^{8}$	14 or MDL	330	560	1,100	ND	ND	ND
Di-N-Butylephthalate	81	8,100	8,100	NA	NA	NA	ND	ND	ND
Di-N-Octyl Phthalate	1,200	120,000	50,000	NA	NA	NA	ND	ND	ND
Fluoranthene	19,000	$1.9x10^{6}$	50,000	100,000	500,000	1,000,000	ND	ND	ND
Fluorene	3,500	350,000	50,000	30,000	500,000	1,000,000	ND	ND	ND
Indeno(1,2,3-CD)Pyrene	32	3,200	3,200	500	5,600	11,000	ND	ND	ND
2-Methylnaphthalene	364	36,400	36,400	NA	NA	NA	ND	ND	ND
Naphthalene	130	13,000	13,000	12,000	500,000	1,000,000	ND	ND	ND
Phenanthrene	2,200	220,000	50,000	100,000	500,000	1,000,000	ND	ND	ND
Pyrene	6,650	665,000	50,000	100,000	500,000	1,000,000	ND	ND	ND

[1] NYSDEC TAGM 4046 Allowable Soil Concentration / Soil Cleanup Objectives to Protect Groundwater / Recommended Soil Cleanup Objective and STARS Memo

[2] As per TAGM 4046, Total VOCs <10,000 ppb, Total SVOCs <500,000 ppb, and Indiviual SVOCs <50,000 ppb

MDL – Method Detection Limit

NA – Not available

ND – Not detected above detection limits

Units = micrograms per kilogram (µg/kg) (regulatory guidance values converted from values published as mg/kg)

Per NYSDEC instruction, TAGM 4046 Guidance values are presented and used only for analytes not available for 6 NYCRR Part 375-6

Table 7A
Soil
Metals (mg/kg)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Values[1] (mg/kg or ppm)			NYSDEC 6NYCRR Part 375 Values (ppm or mg/kg) Protection of Public Health	NYSDEC 6NYCRR Part 375 Values (ppm or mg/kg) Protection of Public Health		MW-5 4-6'	MW-5 8-10'	SB-1 2-4'	SB-2 6-8'	SB-2 10-12'	SB-2D 6-8'	SB-3 4-6'	SB-3 12-14'	SB-4 4-6'	SB-4 12-14'	SB-5 4-6'	EQUIP BLK
	Protect Water Quality	Eastern USA Background	Recommended Soil Cleanup Objective	Unrestricted Soil Use Cleanup Objectives	Restricted Soil Use		collected on: 9/8/08	collected on: 9/8/08	collected on: 9/8/08	collected on: 9/8/08	collected on: 9/8/08	collected on: 9/8/08	collected on: 9/8/08	collected on: 9/8/08	collected on: 9/8/08	collected on: 9/8/08	collected on: 9/9/08	collected on: 9/9/08
					Restricted - Commercial	Restricted - Industrial												
Aluminum	NA	33,000	SB	NA	NA	NA	10700	8470	13400	11200	4280	12500	11300	7300	10300	8410	13900	139
Arsenic	NA	3-12	7.5 or SB	13	16	16	6.0	5.3	6.5	7.4	4.4	5.0	8.8	6.1	6.5	5.1	6.5	ND
Barium	NA	15-600	300 or SB	350	400	10,000	92.8	92.9	88.7	91.7	59.7	38.9	111	81.4	95.3	106	51.9	ND
Beryllium	NA	0-1.75	0.16 or SB	7.2	590	2,700	ND	ND	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	NA	0.1-1	1 or SB	2.5	9.3	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NA	130-35,000	SB	NA	NA	NA	4760	21800	840	2890	88100	1080	1650	29200	9350	26800	1320	ND
Chromium	NA	1.5-40	10 or SB	30 (trivalent)	1,500 (trivalent)	6,800 (trivalent)	13.9	20.3	15.8	15.3	6.5	14.2	16.1	10.2	13.8	54.9 [2]	16.7	ND
Cobalt	NA	2.5-60	30 or SB	NA	NA	NA	8	7	11	10	ND	8	8	6	9	7	9	ND
Copper	NA	1-50	25 or SB	50	270	10,000	28	28	16	37	19	16	40	22	19	44	16	ND
Iron	NA	2,000-550,000	2,000 or SB	NA	NA	NA	19,100	17,700	23,200	22,700	10,200	19,000	23,300	15,500	20,200	22,600	24,100	120
Lead	NA	*	SB	63	1,000	3,900	175	36	12	12	5	9	23	5	12	7	10	ND
Magnesium	NA	100-5,000	SB	NA	NA	NA	3,900	5,440	3,490	3,850	12,500	3,140	3,220	10,300	4,560	9,340	3,900	ND
Manganese	NA	50-5,000	SB	1,600	10,000	10,000	649	910	565	994	465	274	772	582	592	733	401	ND
Mercury	NA	0.001-0.2	0	0	3	6	ND	ND	ND	ND	ND	ND	0	ND	ND	ND	ND	ND
Nickel	NA	0.5-25	13 or SB	30	310	10,000	20	18	22	23	10	20	23	15	19	24	22	ND
Potassium	NA	8,500-43,000	SB	NA	NA	NA	789	841	820	936	593	647	996	816	871	688	784	ND
Selenium	NA	0.1-3.9	2 or SB	4	1,500	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NA	6,000-8,000	SB	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,160
Vanadium	NA	1-300	150 or SB	NA	NA	NA	16	14	18	18	7	17	19	11	15	12	19	ND
Zinc	NA	9-50	20 or SB	109	1,500	6,800	87	85	64	84	50	52	89	68	58	83	58	41

[1] NYSDEC TAGM 4046 Eastern USA Background / Recommended Soil Cleanup Objective and STARS Memo

[2] May exceed if trivalent, however analysis is for total chromium

* Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

ND – Not detected above detection limits

NA – Not available

SB – Site Background

Units = miligrams per kilogram (mg/kg)

Per NYSDEC instruction, TAGM 4046 Guidance values are presented and used only for analytes not available for 6 NYCRR Part 375-6

– Concentrations exceed 6 NYCRR Part 375 unrestricted soil use cleanup objectives. Chromium levels are for total chromium, and were not speciated for trivalent chromium.

Table 7B
Soil
Metals (mg/kg)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Values[1] (ppm or mg/kg)			NYSDEC 6NYCRR Part 375-6 Values (ppm or mg/kg)	NYSDEC 6NYCRR Part 375-6 Values (ppm mg/kg)		DS-1	Duplicate of DS-1	DS-2	DS-3	DS-4	DS-6	SD-1
				Protection of Public Health	Protection of Public Health								
	Protect Water Quality	Eastern USA Background	Recommended Soil Cleanup Objective	Unrestricted Soil Use Cleanup Objectives	Restricted Soil Use								
					Restricted - Commercial	Restricted - Industrial	collected on: 9/9/08	collected on: 9/9/08	collected on: 9/9/08	collected on: 9/9/08	collected on: 9/9/08	collected on: 9/11/08	collected on: 9/11/08
Aluminum	NA	33,000	SB	NA	NA	NA	13,500	13,400	12,800	11,900	11,000	8,870	6,310
Arsenic	NA	3-12	7.5 or SB	13	16	16	7	6	6	7	9	3	6
Barium	NA	15-600	300 or SB	350	400	10,000	150	155	152	153	159	94	73
Beryllium	NA	0-1.75	0.16 or SB	7.2	590	2,700	1	1	1	ND	ND	ND	ND
Cadmium	NA	0.1-1	1 or SB	2.5	9.3	60	ND	ND	ND	1	ND	ND	ND
Calcium	NA	130-35,000	SB	NA	NA	NA	2,350	2,660	6,300	8,170	23,300	1,300	24,100
Chromium	NA	1.5-40	10 or SB	30 (trivalent)	1,500 (trivalent)	6,800 (trivalent)	17	17	29	26	32.9 [2]	15	12
Cobalt	NA	2.5-60	30 or SB	NA	NA	NA	10	10	9	9	9	ND	6
Copper	NA	1.0-50	25 or SB	50	270	10,000	20	20	47	53	55	21	39
Iron	NA	2,000-550,000	2,000 or SB	NA	NA	NA	22,900	21,500	24,000	26,700	24,700	15,800	17,100
Lead	NA	*	SB	63	1,000	3,900	28	27	143	191	76	71	12
Magnesium	NA	100-5,000	SB	NA	NA	NA	3,270	3,130	3,890	6,050	9,150	2,680	4,480
Manganese	NA	50-5,000	SB	1,600	10,000	10,000	518	539	417	422	850	147	571
Mercury	NA	0.001-0.2	0.1	0.18	2.8	5.7	ND	0	0	0	0	0	ND
Nickel	NA	0.5-25	13 or SB	30	310	10,000	22	22	27	27	26	19	20
Potassium	NA	8,500-43,000	SB	NA	NA	NA	900	938	1,310	1,140	1,350	863	630
Selenium	NA	0.1-3.9	2 or SB	3.9	1,500	6,800	ND	ND	ND	1	1	ND	ND
Sodium	NA	6,000-8,000	SB	NA	NA	NA	310	319	ND	ND	160	ND	ND
Vanadium	NA	1-300	150 or SB	NA	NA	NA	20	19	27	27	25	15	16
Zinc	NA	9-50	20 or SB	109	1,500	6,800	124	129	372	472	359	162	188

[1] NYSDEC TAGM 4046 Eastern USA Background / Recommended Soil Cleanup Objective and STARS Memo

[2] May exceed if trivalent, but analysis is for total chromium. Does not exceed Eastern USA Background

* Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

ND – Not detected above detection limits

NA – Not available

Units = miligrams per kilogram (mg/kg)

Per NYSDEC instruction, TAGM 4046 Guidance values are presented and used only for analytes not available for 6 NYCRR Part 375-6

Table 8
Soil
Polychlorinated Biphenyl Compounds (µg/kg)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC 6NYCRR Part 375-6 Values (µg/kg or ppb) Protection of Public Health Unrestricted Soil Use Cleanup Objectives	NYSDEC 6NYCRR Part 375-6 Values (µg/kg or ppb) Protection of Public Health Restricted Soil Use		**SB-5 4-6'** collected: 9/9/08	**DS-6** collected: 9/11/08	**SD-1** collected: 9/11/08	**Method BLK** analyzed: 9/20/08
		Restricted - Commercial	Restricted - Industrial				
PCB 1260	100	1,000	25,000	ND	84	ND	ND

ND – Not detected above detection limits
Units – µg/kg

Table 9
Soil
Volatile Organic Compounds - Tentitively Identified Compounds (TICs)
124 Victory Highway
Painted Post, New York

Compound	SB-1 2-4'	SB-4 4-6'	SB-4 10-12'	SB-2 6-8'	SB-2D 6-8'	SB-2 10-12'	SB-3 4-6'	SB-3 12-14'	MW-5 4-6'	MW-5 4-6' DL	MW-5 8-10'	SB-5 4-6'	DS-1	DS-2	DS-3	DS-4	DS-5	EQUIP BLANK	DS-6	SD-1	MET BLK1	MET BLK2	MET BLK3	MET BLK4	MET BLK5
Decane - RT - 10.28	NF	NF	NF	NF	NF	NF	NF	NF	NF	1,100JND	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
Decane - RT - 20.83	NF	NF	NF	NF	NF	NF	NF	NF	52JN	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
Undecane - RT - 11.24	NF	NF	NF	NF	NF	NF	NF	NF	NF	1,200JND	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
Benzene, 1-ethyl-2-methyl - RT - 21.41	NF	NF	NF	NF	NF	NF	NF	NF	46JN	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown aromatic hydrocarbon - RT - 24.50	NF	NF	NF	NF	NF	NF	NF	NF	30J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 26.04	NF	NF	NF	NF	NF	NF	NF	NF	51J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 24.14	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	8J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown aliphatic hydrocarbon - RT - 19.44	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	9J	NF	NF	NF	NF	NF	NF
unknown cyclic hydrocarbon - RT - 20.51	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	14J	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 20.95	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	10J	NF	NF	NF	NF	NF	NF
Decane, 4-methyl- - RT - 21.44	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	9JN	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 21.76	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	8J	NF	NF	NF	NF	NF	NF
unknown aliphatic hydrocarbon - RT - 21.90	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	9J	NF	NF	NF	NF	NF	NF
unknown aliphatic hydrocarbon - RT - 22.13	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	30J	NF	NF	NF	NF	NF	NF
unknown cyclic hydrocarbon - RT - 22.93	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	12J	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 23.42	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	12J	NF	NF	NF	NF	NF	NF
unknown aliphatic hydrocarbon - 23.58	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	8J	NF	NF	NF	NF	NF	NF
unknown cyclic hydrocarbon - RT - 23.83	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	17J	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 23.98	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	9J	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 24.61	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	32J	NF	NF	NF	NF	NF	NF
unknown aliphatic hydrocarbon - RT - 25.34	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	97J	NF	NF	NF	NF	NF	NF
unknown aliphatic hydrocarbon - RT - 26.44	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	17J	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 27.34	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	17J	NF	NF	NF	NF	NF	NF
Cyclohexane, 2-butyl-1,1,3-trimet - RT - 27.68	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	13JN	NF	NF	NF	NF	NF	NF
unknown cyclic hydrocarbon - RT - 29.09	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	22J	NF	NF	NF	NF	NF	NF
unknown aliphatic hydrocarbon - RT - 29.88	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	23J	NF	NF	NF	NF	NF	NF
unknown cyclic hydrocarbon - RT - 30.07	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	10J	NF	NF	NF	NF	NF	NF
unknown - RT - 23.98	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	9J	NF	NF	NF	NF	NF	NF

D -Identifies compound identified in an analysis as a secondary dilution factor
J - Estimated Value
N - Indicates presumptive evidence of a compound
NF - Not found
Unit = microgram per kilogram (µg/Kg)

Table 10
Soil
Semi Volatile Organic Compounds - Tentitively Identified Compounds (TICs)
124 Victory Highway
Painted Post, New York

Compound	SB-1 2-4'	SB-4 4-6'	SB-4 10-12'	SB-2 6-8'	SB-2D 6-8'	SB-2 10-12'	SB-3 4-6'	SB-3 12-14'	MW-5 4-6'	MW-5 8-10'	SB-5 4-6'	DS-1	DS-2	DS-3	DS-4	DS-5 (1.0 DL)	EQU BLK	DS-5 (2.0 DL)	SD-1	SBLK1	SBLK2	SBLK3
unknown - RT - 26.05	NF	NF	NF	NF	NF	NF	450J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 27.89	NF	NF	NF	NF	NF	NF	820J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 29.78	NF	NF	NF	NF	NF	NF	1300J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 10.92	NF	NF	NF	NF	NF	NF	NF	160J	1,500J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 11.90	NF	NF	NF	NF	NF	NF	NF	160J	370J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 12.87	NF	NF	NF	NF	NF	NF	NF	160J	280J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 31.75	NF	NF	NF	NF	NF	NF	NF	420J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 6.26	NF	NF	NF	NF	NF	NF	NF	NF	410J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 7.79	NF	NF	NF	NF	NF	NF	NF	NF	420J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 8.72	NF	NF	NF	NF	NF	NF	NF	NF	560J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 8.97	NF	NF	NF	NF	NF	NF	NF	NF	910J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 9.72	NF	NF	NF	NF	NF	NF	NF	NF	610J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 9.93	NF	NF	NF	NF	NF	NF	NF	NF	1,600J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
Naphthalene, 1, 6-dimethyl- - RT - 10.33	NF	NF	NF	NF	NF	NF	NF	NF	340JN	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 10.42	NF	NF	NF	NF	NF	NF	NF	NF	210J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
Naphthalene, 1, 3-dimethyl- - RT - 10.50	NF	NF	NF	NF	NF	NF	NF	NF	460JN	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 10.55	NF	NF	NF	NF	NF	NF	NF	NF	1,100J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 10.64	NF	NF	NF	NF	NF	NF	NF	NF	210J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 10.71	NF	NF	NF	NF	NF	NF	NF	NF	210J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 10.92	NF	NF	NF	NF	NF	NF	NF	NF	270J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
Naphthalene, 1,6,7-trimethyl- - RT - 11.61	NF	NF	NF	NF	NF	NF	NF	NF	290JN	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 13.13	NF	NF	NF	NF	NF	NF	NF	NF	360J	NF	NF	NF	NF	NF	3,600J	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 13.19	NF	NF	NF	NF	NF	NF	NF	NF	410J	NF	NF	NF	NF	NF	3,300J	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 13.27	NF	NF	NF	NF	NF	NF	NF	NF	300J	NF	NF	NF	NF	NF	4,200J	NF	NF	2,000J	NF	NF	NF	NF
unknown - RT - 13.52	NF	NF	NF	NF	NF	NF	NF	NF	240J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 13.58	NF	NF	NF	NF	NF	NF	NF	NF	240J	NF	NF	NF	NF	NF	4,100J	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 13.82	NF	NF	NF	NF	NF	NF	NF	NF	440J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 13.92	NF	NF	NF	NF	NF	NF	NF	NF	290JN	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 14.74	NF	NF	NF	NF	NF	NF	NF	NF	820J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 15.10	NF	NF	NF	NF	NF	NF	NF	NF	240J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 15.62	NF	NF	NF	NF	NF	NF	NF	NF	1,000J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 15.96	NF	NF	NF	NF	NF	NF	NF	NF	490J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 16.47	NF	NF	NF	NF	NF	NF	NF	NF	820J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
n-Hexadecanoic acid - RT - 15.26	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	200JN	NF	NF	NF	230JN	NF	NF	NF	NF	NF	NF
unknown - RT - 19.80	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	400J	NF	NF	NF	380J	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 22.10	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	340J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 24.21	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	680J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon - RT - 25.02	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	420J	NF	NF	NF	400J	NF	NF	NF	NF	NF	NF
Oxirane, hexadecyl-	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	650JN	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown pah - RT - 15.27	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	4,500J	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown pah - RT - 15.34	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	4,700J	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 15.54	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	7,500J	14,000J	NF	NF	NF	NF	NF	NF	NF	NF
9,10-Anthracenedione - RT - 15.97	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	9,600JN	12,000JN	NF	NF	NF	NF	NF	NF	NF	NF
11H-Benzo[a]fluorene - RT - 18.09	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	15,000JN	NF	NF	NF	NF	NF	NF	NF	NF	NF
11H-Benzo[a]fluorene - RT - 18.23	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	4,700JN	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 18.33	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	6,000J	NF	NF	NF	NF	NF	NF	NF	NF	NF
Benzo[b]naphtho[2,1-d]thiophene - RT - 19.68	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	14,000JN	NF	NF	NF	NF	NF	NF	NF	NF	NF
7H-Benz[de]anthracen-7-one - RT - 19.96	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	13,000JN	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 21.22	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	12,000J	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 25.81	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	64,000J	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 15.82	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	8,900J	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 18.09	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	14,000J	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 19.69	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	13,000J	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 13.33	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	2,300J	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 13.53	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	4,200J	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 13.63	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	1,800J	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 13.69	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	1,800J	NF	NF	NF	NF	NF	NF	NF
Phenol, 4,4'-(1-methylethylidene) - RT - 17.42	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	4,600JN	NF	NF	NF	NF	NF	NF	NF
unknown - RT - 8.88	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	170J	NF	NF	NF	NF	NF	NF
unknown - RT - 24.20	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	700J	NF	NF	NF	NF	NF	NF
unknown - RT - 14.90	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	4J	NF	NF	NF	NF	NF
unknown - RT - 9.16	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	880J	NF	NF	NF	NF
unknown - RT - 12.78	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	1,000J	NF	NF	NF	NF
unknown - RT - 12.88	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	1,600J	NF	NF	NF	NF
unknown - RT - 12.93	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	1,300J	NF	NF	NF	NF
unknown - RT - 13.02	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	1,400J	NF	NF	NF	NF
unknown - RT - 13.08	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	1,100J	NF	NF	NF	NF
unknown - RT - 13.32	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	1,100J	NF	NF	NF	NF
unknown - RT - 13.43	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	1,200J	NF	NF	NF	NF
unknown - RT - 15.72	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	4,300JN	NF	NF	NF	NF

J - Estimated Value
N - Indicates presumptive evidence of a compound
NF - Not found
Unit = microgram per kilogram (µg/Kg)

Table 11
Groundwater
Volatile Organic Compounds (µg/L)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Groundwater Standard[1] (µg/L or ppb)	MW-1 collected: 9/10/08	MW-2 collected: 9/10/08	MW-2D collected: 9/10/08	MW-3 collected: 9/10/08	MW-4 collected: 9/10/08	MW-5 collected: 9/10/08
Acetone	50	ND	2.7J	ND	1.5J	ND	4.9J
Benzene	0.7	ND	ND	ND	ND	ND	1.9
Chlorobenzene	5	2.5	ND	ND	ND	ND	3.5
1,2-Dichlorobenzene	4.7	3.2	ND	ND	ND	ND	24
Chloroform	7	ND	ND	ND	ND	ND	0.29J
Cyclohexane	NA	ND	ND	ND	ND	ND	0.69J
1,4-Dichlorobenzene	5	0.47J[2]	ND	ND	ND	ND	1.1
cis-1,2-Dichloroethene	NA	0.63J	ND	ND	ND	ND	2.6
Ethylbenzene	5	ND	ND	ND	ND	ND	0.45J
Methylcyclohexane	NA	ND	ND	ND	ND	ND	0.32J
Tetrachloroethene	5	0.54J	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	2.5
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	0.28J	ND	ND	ND	ND	0.33J
1,2,4-Trimethylbenzene	NA	ND	ND	ND	ND	ND	0.80J
1,3,5-Trimethylbenzene	NA	ND	ND	ND	ND	ND	0.22J
Vinyl Chloride	2	0.26J	ND	ND	ND	ND	1.3
Total Xylenes[3]	5	ND	ND	ND	ND	ND	3.2

[1] NYSDEC TAGM 4046 and NYSDEC STARS values for organics.

[2] Suspected lab contamination

[3] MW-5 o-Xylene = 1.4 µg/L, m+p Xylene =1.8 µg/L

ND – Not detected above detection limits

NA - Not available

Units = micrograms per liter (µg/L)

– Concentration above groundwater standard

Table 12
Groundwater
Semi Volatile Organic Compounds (µg/L)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Standard[1] (µg/L or ppb)	MW-1 collected on: 9/10/08	MW-2 collected on: 9/10/08	MW-2D collected on: 9/10/08	MW-3 collected on: 9/10/08	MW-4 collected on: 9/10/08	MW-5 collected on: 9/11/08
Di-N-Butylphthalate	50	ND	ND	ND	ND	ND	1.0JB[2]
Caprolactam	NA	ND	ND	ND	ND	ND	22
Bis (2-Ethylhexyl) Phthalate	50	ND	ND	ND	ND	ND	1.1J
4-Nitroaniline	NA	ND	ND	ND	ND	ND	9.0J

[1] NYSDEC TAGM 4046
[2] Suspected lab contamination
B - Analyte also found in associated blank
J - Estimated value
NA - Not Available
ND - Not detected above detection limits
Unit - micrograms per liter (µg/L)

Table 13
Groundwater
Volatile Organic Compounds - Tentitively Identified Compounds (TICs) (µg/L)
124 Victory Highway
Painted Post, New York

Compound	MW-1 collected on: 9/10/08	MW-2 collected on: 9/10/08	MW-2D collected on: 9/10/08	MW-3 collected on: 9/10/08	MW-4 collected on: 9/10/08	MW-5 collected on: 9/10/08	TRIP BLK	VBLK1
Propane - RT - 1.05	NF	NF	NF	NF	NF	8JN	NF	NF

J - Estimated Value
N - Indicates presumptive evidence of a compound
NF - Not found
Unit = micrograms per liter (µg/L)

Table 14
Groundwater
Semi Volatile Organic Compounds - Tentitively Identified Compounds (TICs) (µg/L)
124 Victory Highway
Painted Post, New York

Compound	MW-1 collected on: 9/10/2008	MW-1RE collected on: 9/10/2008	MW-2 collected on: 9/10/2008	MW-2D collected on: 9/10/2008	MW-2DRE collected on: 9/10/2008	MW-3 collected on: 9/10/2008	MW-4 collected on: 9/10/2008	MS-5 collected on: 9/10/2008	SBLK1	SBLK2	SBLK3
2-Fluoro-6-nitrophenol - RT 7.49	NF	NF	NF	NF	NF	NF	NF	4JN	NF	NF	NF
N,N-Diethyl-p-nitroaniline - RT 14.72	NF	NF	NF	NF	NF	NF	NF	26JN	NF	NF	NF
unknown - RT 4.62	NF	NF	NF	NF	NF	NF	NF	NF	NF	5J	NF
unknown - RT 4.63	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	5J
unknown - RT 4.83	NF	NF	NF	NF	4JB	NF	NF	NF	NF	5J	5J
unknown - RT 5.20	NF	NF	5J	11J	4J	4J	24J	4JN	NF	NF	NF
unknown - RT 5.22	NF	NF	10J	13J	11J	8J	31J	6J	NF	NF	NF
unknown - RT 6.39	NF	NF	NF	NF	NF	NF	NF	8J	NF	NF	NF
unknown - RT 7.73	NF	NF	NF	NF	6J	NF	NF	NF	NF	NF	NF
unknown - RT 8.40	NF	NF	NF	NF	5J	NF	NF	NF	NF	NF	NF
unknown - RT 8.68	NF	NF	NF	NF	NF	4J	NF	NF	NF	NF	NF
unknown - RT 8.69	NF	NF	4J	NF	NF	NF	NF	NF	NF	NF	NF
unknown - RT 9.42	NF	NF	NF	NF	NF	NF	NF	4J	NF	NF	NF
unknown - RT 10.73	NF	NF	NF	NF	NF	4J	NF	NF	NF	NF	NF
unknown - RT 21.84	NF	NF	NF	NF	NF	NF	NF	7J	NF	NF	NF
unknown - RT 28.44	NF	NF	NF	NF	NF	NF	NF	83J	NF	NF	NF

J - Estimated Value
N - Indicates presumptive evidence of a compound
NF - Not found
Unit = micrograms per liter (µg/L)

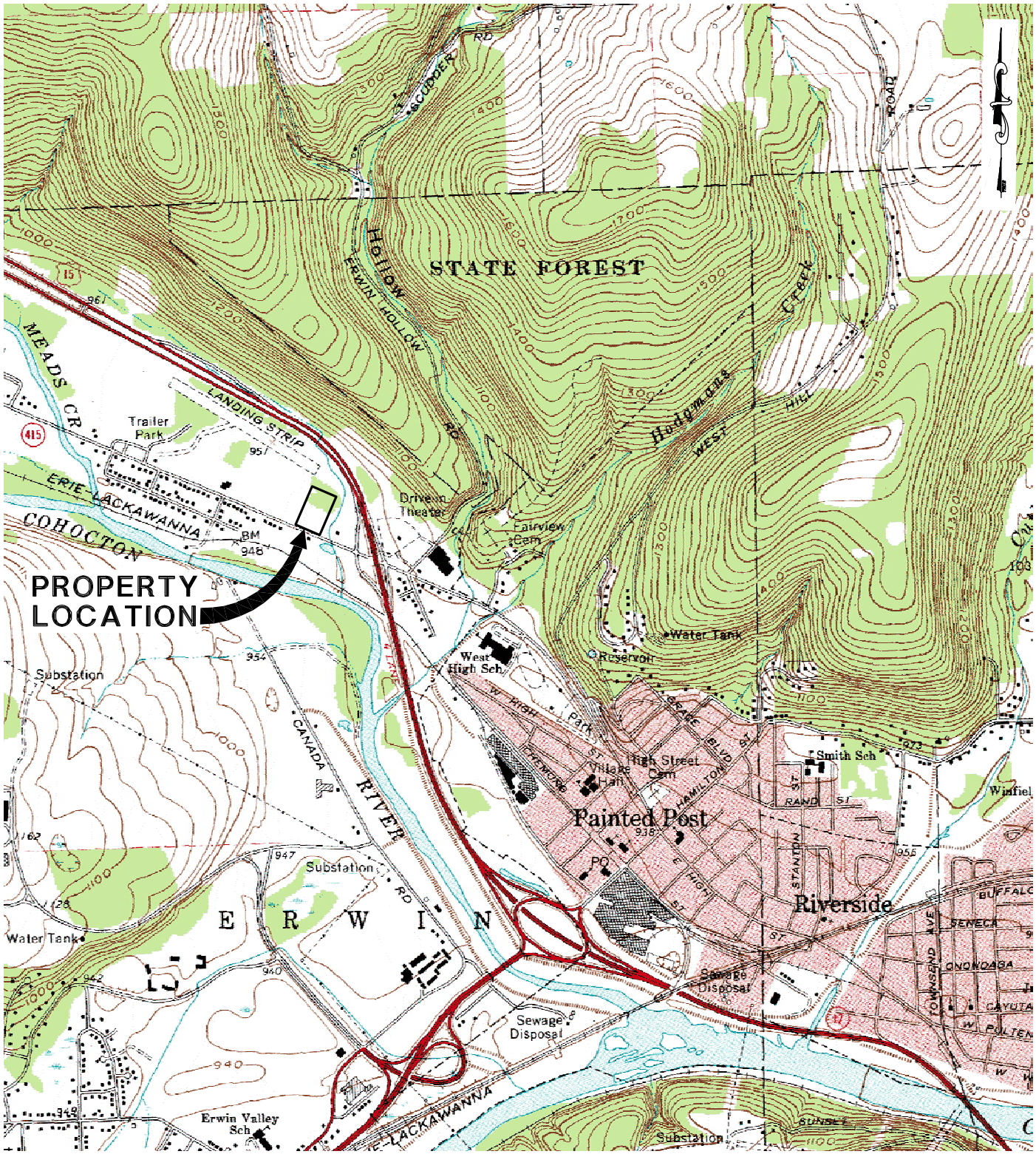
Table 15
Soil Vapor Samples (µg/m^3)
124 Victory Highway
Painted Post, New York

Analyte	Sample Location Values (µg/m^3)		
	SV1	SV2	SV3
1,1,1-Trichloroethane	3.2	3.9	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND
1,2,4-Trimethylbenzene	5.2	6.7	5.9
1,2-Dibromoethane	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND
1,2-Dichloroethane	2.1	2.6	1.9
1,2-Dichloropropane	ND	ND	ND
1,3,5-Trimethylbenzene	3.1	3.1	2.6
1,3-butadiene	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND
1,4-Dichlorobenzene	ND	1.7	1.5
1,4-Dioxane	ND	ND	ND
2,2,4-trimethylpentane	3.5	0.71	7.1
4-ethyltoluene	2.3	2.8	2.7
Acetone	220	35	120
Allyl chloride	ND	ND	ND
Benzene	13	3.1	11
Benzyl chloride	ND	ND	ND
Bromodichloromethane	ND	ND	ND
Bromoform	ND	ND	ND
Bromomethane	ND	ND	ND
Carbon disulfide	4.8	4.8	6.1
Carbon tetrachloride	ND	ND	ND
Chlorobenzene	ND	ND	ND
Chloroethane	ND	ND	0.27 J
Chloroform	0.84	0.84	1.2
Chloromethane	ND	ND	ND
cis-1,2-Dichloroethene	12	13	11
cis-1,3-Dichloropropene	ND	ND	ND
Cyclohexane	64	ND	130
Dibromochloromethane	ND	ND	ND
Ethyl acetate	1.1	1.1	2.1
Ethylbenzene	3.7	3.8	5.4
Freon 11	6.4	9.9	2.4
Freon 113	ND	1.7	ND
Freon 114	ND	ND	ND
Freon 12	2.5	3.5	2.5
Heptane	150	5.2	270
Hexachloro-1,3-butadiene	ND	ND	ND
Hexane	200	ND	720
Isopropyl alcohol	95	17	21
m&p-Xylene	8.2	7.7	15
Methyl Butyl Ketone	ND	ND	ND
Methyl Ethyl Ketone	11	7.2	ND
Methyl Isobutyl Ketone	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND
Methylene chloride	14	18	23
o-Xylene	3.8	3.8	5.4
Propylene	ND	ND	ND
Styrene	1.5	1.6	1.2
Tetrachloroethene	ND	ND	ND
Tetrahydrofuran	3.7	1.3	ND
Toluene	20	13	27
trans-1,2-Dichloroethene	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND
Trichloroethene	43	42	39
Vinyl acetate	ND	ND	ND
Vinyl Bromide	ND	ND	ND
Vinyl chloride	ND	ND	ND

J – Indicates an estimated value
ND – Not detected above detection limits
Units = µg/m^3

APPENDIX B

Figures



SOURCE: USGS 7.5 MIN. TOPOGRAPHIC QUADRANGLE – CORNING, NEW YORK, 1969, PHOTOINSPECTED 1976.

GRAPHIC SCALE:

0 2000' 4000'

P: EPB
3/4/08
PALM/WIP/PAINTED POST/PPSL1.DWG

124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

SITE LOCATION MAP

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 1

LEGEND:

APPROXIMATE PROPERTY LINE

EASEMENT

NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEY BY JAMES D. EVANS, DATED 4/21/06.
2. ALL LOCATIONS ARE APPROXIMATE.

0 80' 160'

GRAPHIC SCALE

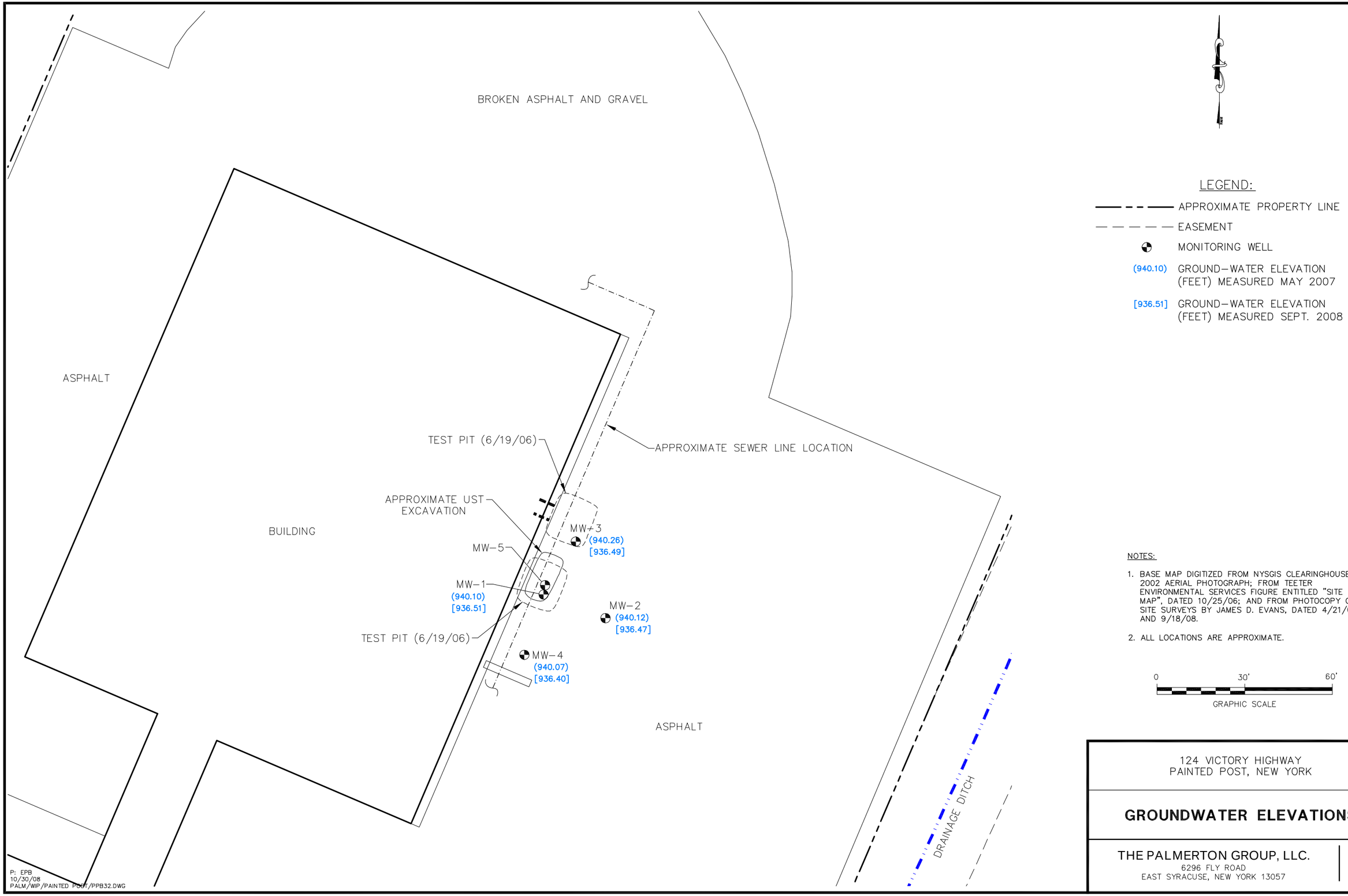
124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

2002 SITE PHOTOGRAPH

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 2

P: EPB
3/4/08
PALM/WIP/PAINTED POST/PPB07.DWG



LEGEND:

- APPROXIMATE PROPERTY LINE
- EASEMENT
- MONITORING WELL
- (940.10) GROUND-WATER ELEVATION (FEET) MEASURED MAY 2007
- [936.51] GROUND-WATER ELEVATION (FEET) MEASURED SEPT. 2008

NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEYS BY JAMES D. EVANS, DATED 4/21/06 AND 9/18/08.
2. ALL LOCATIONS ARE APPROXIMATE.

0 30' 60'

GRAPHIC SCALE

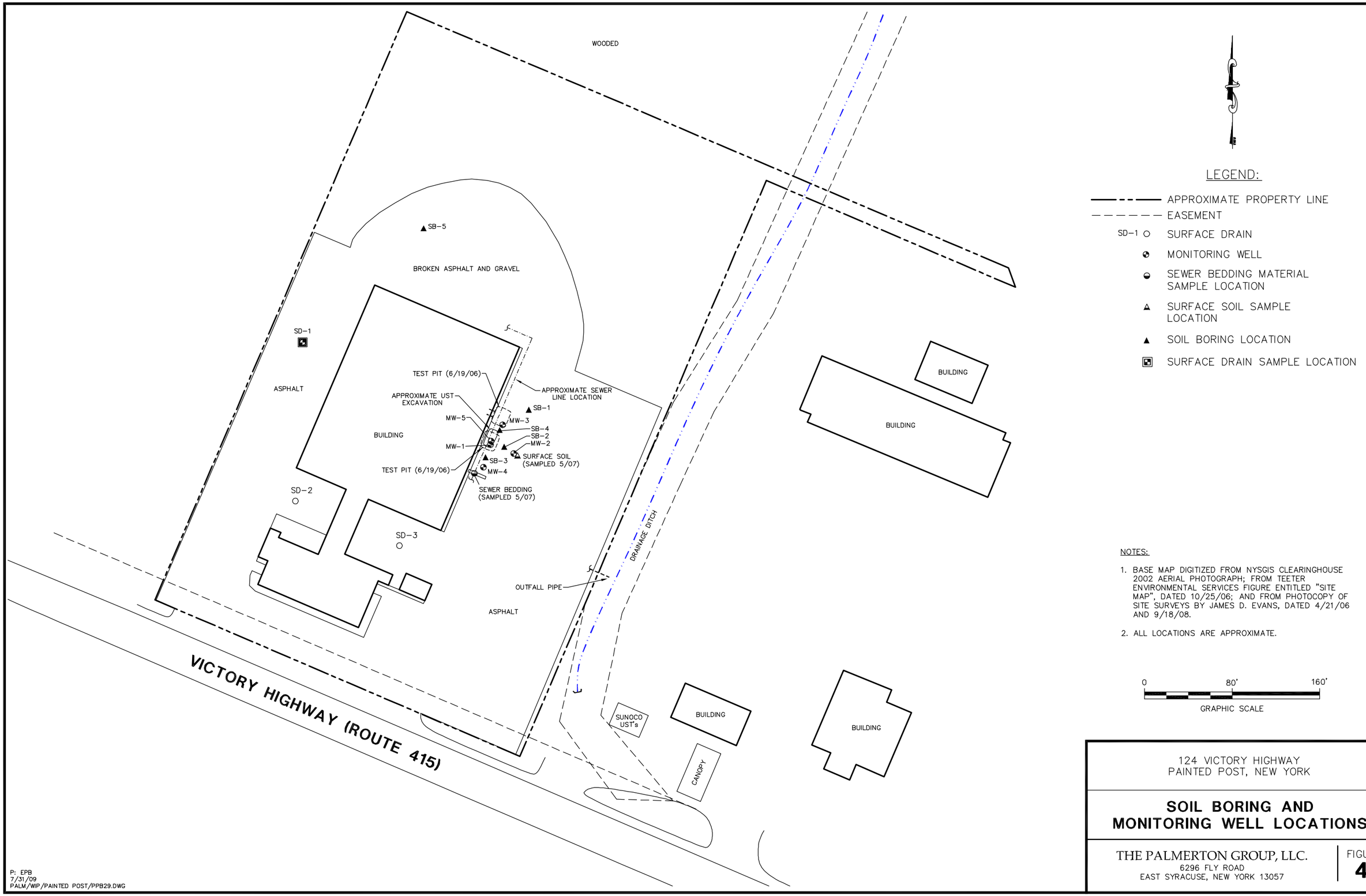
124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

GROUNDWATER ELEVATIONS

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 3

P: EPB
10/30/08
PALM/WIP/PAINTED POST/PPB32.DWG



LEGEND:

- APPROXIMATE PROPERTY LINE
- EASEMENT
- SD-1 ○ SURFACE DRAIN
- MONITORING WELL
- SEWER BEDDING MATERIAL SAMPLE LOCATION
- SURFACE SOIL SAMPLE LOCATION
- SOIL BORING LOCATION
- SURFACE DRAIN SAMPLE LOCATION

NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEYS BY JAMES D. EVANS, DATED 4/21/06 AND 9/18/08.
2. ALL LOCATIONS ARE APPROXIMATE.

0 80' 160'

GRAPHIC SCALE

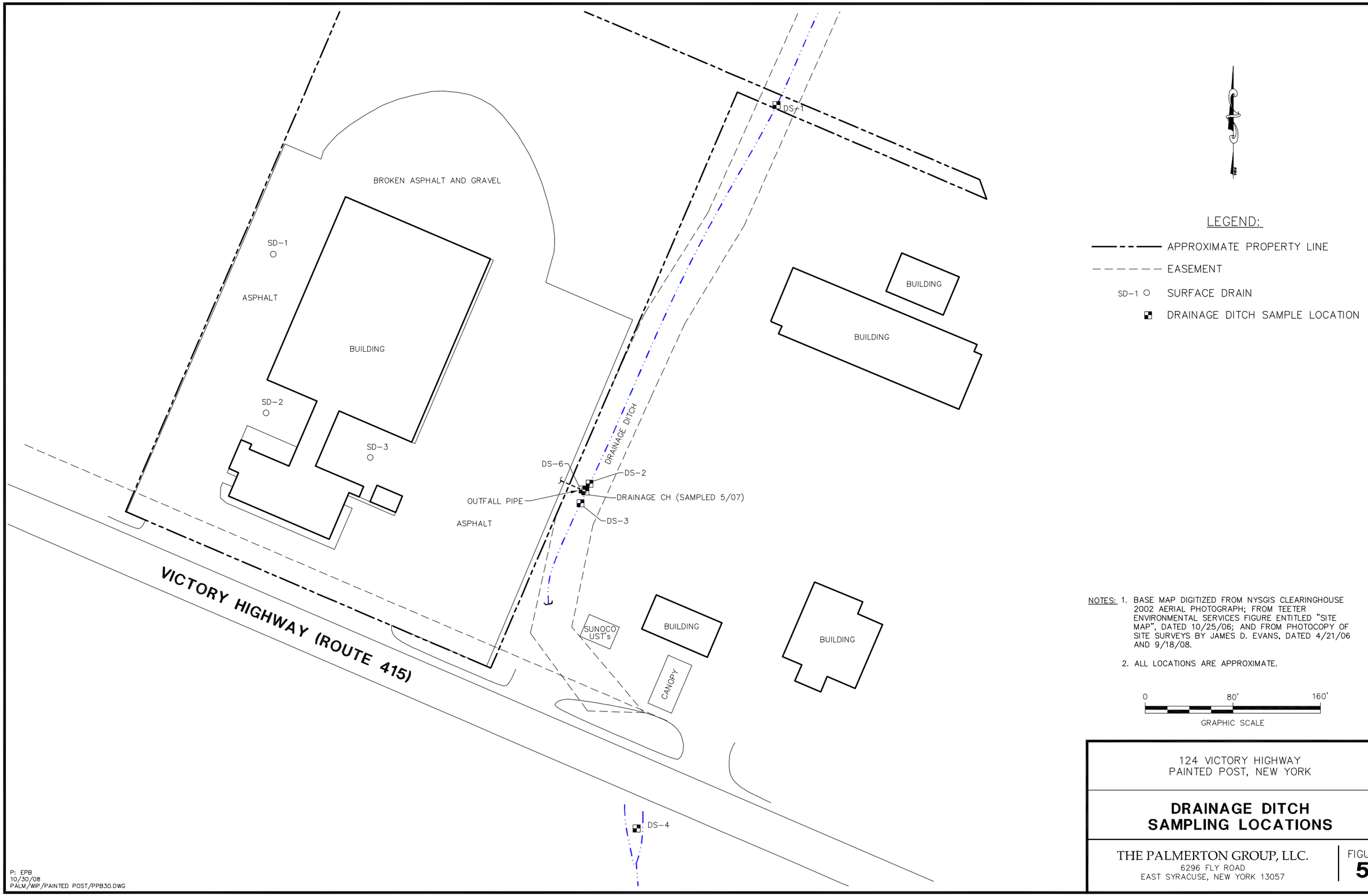
124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

SOIL BORING AND MONITORING WELL LOCATIONS

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 4

P: EPB
7/31/09
PALM/WIP/PAINTED POST/PPB29.DWG



LEGEND:

- APPROXIMATE PROPERTY LINE
- EASEMENT
- SD-1 ○ SURFACE DRAIN
- DRAINAGE DITCH SAMPLE LOCATION

NOTES:
1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEYS BY JAMES D. EVANS, DATED 4/21/06 AND 9/18/08.
2. ALL LOCATIONS ARE APPROXIMATE.

0 80' 160'

GRAPHIC SCALE

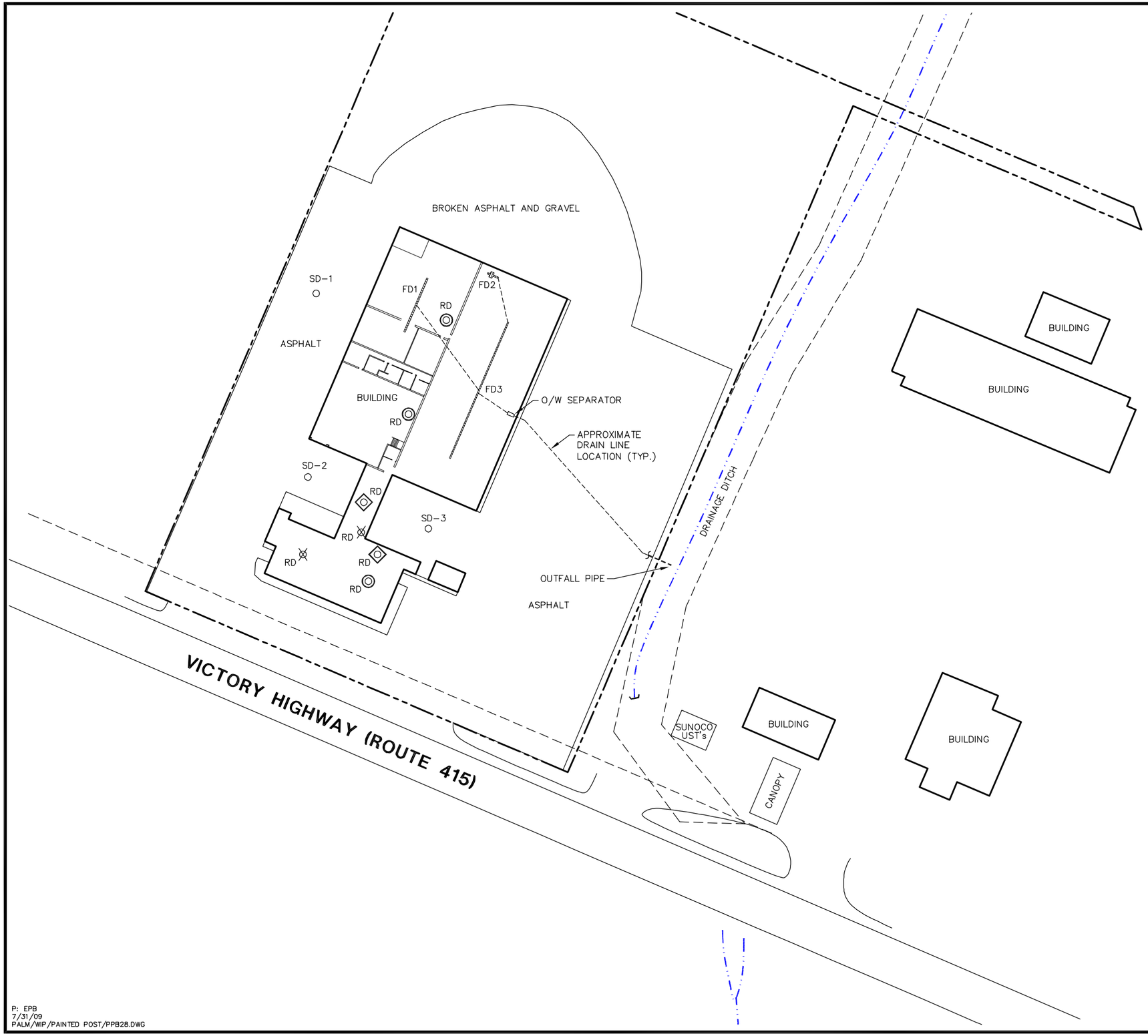
124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

DRAINAGE DITCH SAMPLING LOCATIONS

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 5

P: EPB
10/30/08
PALM/WIP/PAINTED POST/PPB30.DWG



LEGEND:

- APPROXIMATE PROPERTY LINE
- EASEMENT
- SD-1 ○ SURFACE DRAIN
- RD ○ ROOF DRAIN
- FD FLOOR DRAIN
- RD ◎ TESTED ROOF DRAIN
- RD ◈ TESTED ROOF DRAIN WITH RED DYE
- RD ⊗ ROOF DRAIN NOT TESTED

NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEYS BY JAMES D. EVANS, DATED 4/21/06 AND 9/18/08.
2. ALL LOCATIONS ARE APPROXIMATE.
3. ROOF DRAINS WERE OBSERVED TO DISCHARGE AT THE DRAINAGE DITCH IN COMMON WITH THE OIL/WATER SEPARATOR. THE PATHWAYS OF ROOF DRAIN LINES WERE NOT IDENTIFIED.

0 80' 160'

GRAPHIC SCALE

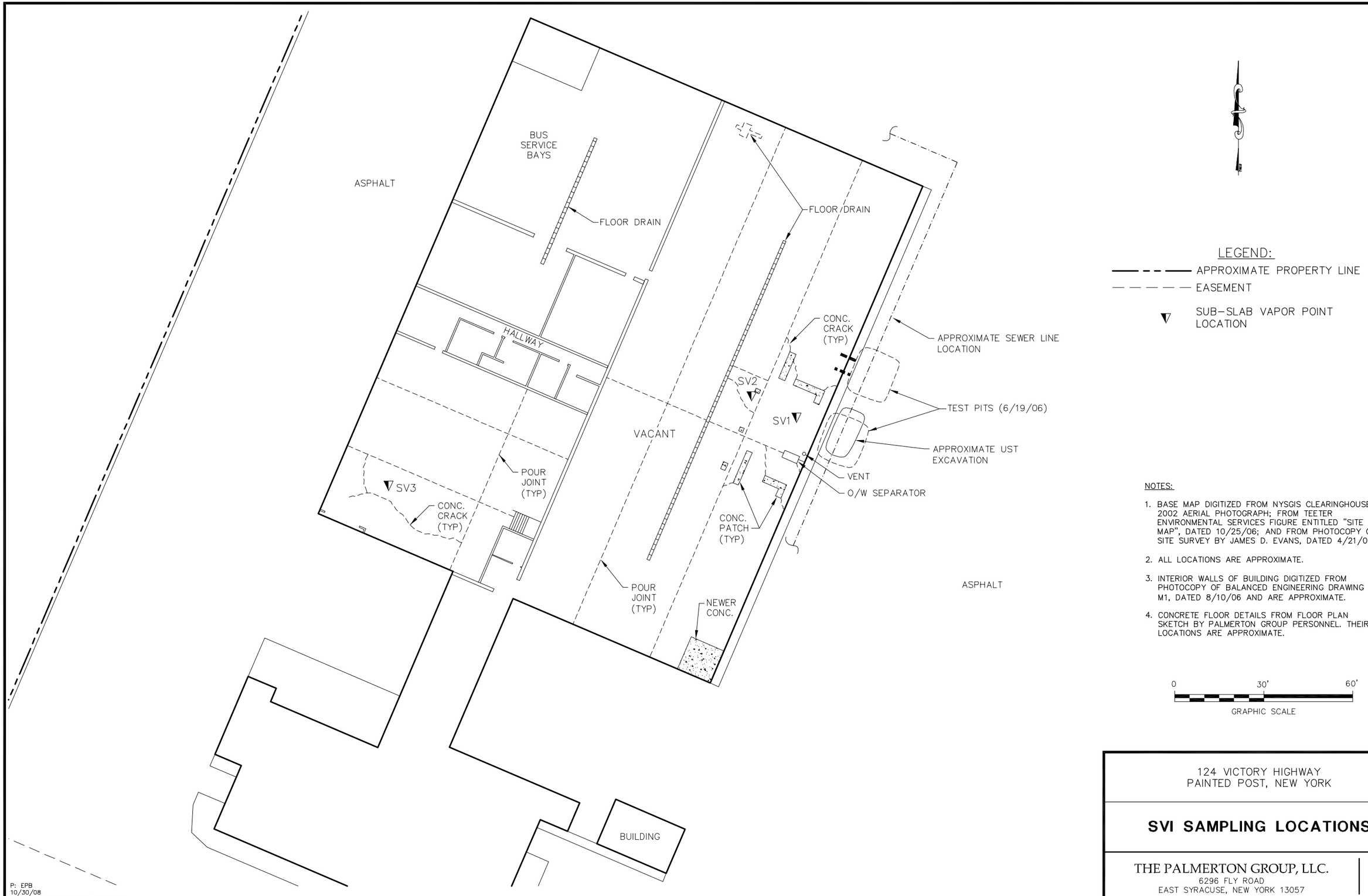
124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

DRAINAGE SYSTEM

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 6

P: EPB
7/31/09
PALM/WIP/PAINTED POST/PPB28.DWG



NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEY BY JAMES D. EVANS, DATED 4/21/06.
2. ALL LOCATIONS ARE APPROXIMATE.
3. INTERIOR WALLS OF BUILDING DIGITIZED FROM PHOTOCOPY OF BALANCED ENGINEERING DRAWING M1, DATED 8/10/06 AND ARE APPROXIMATE.
4. CONCRETE FLOOR DETAILS FROM FLOOR PLAN SKETCH BY PALMERTON GROUP PERSONNEL. THEIR LOCATIONS ARE APPROXIMATE.

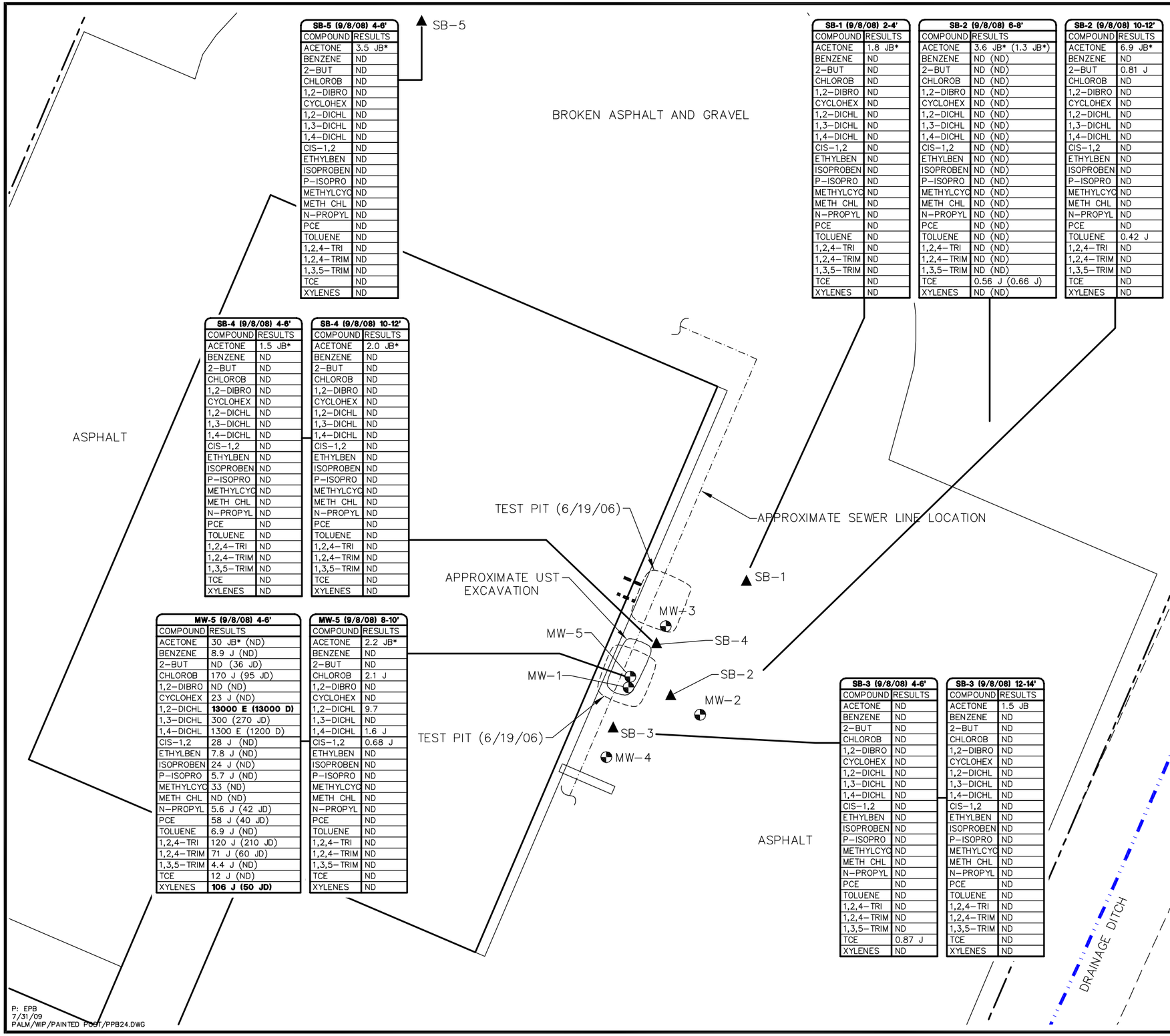
124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

SVI SAMPLING LOCATIONS

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 7

P: EPB
10/30/08
PALM/WIP/PAINTED POST/PPB18.DWG



SB-5 (9/8/08) 4-6'	
COMPOUND	RESULTS
ACETONE	3.5 JB*
BENZENE	ND
2-BUT	ND
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	ND
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	ND
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

SB-4 (9/8/08) 4-6'	
COMPOUND	RESULTS
ACETONE	1.5 JB*
BENZENE	ND
2-BUT	ND
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	ND
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	ND
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

SB-4 (9/8/08) 10-12'	
COMPOUND	RESULTS
ACETONE	2.0 JB*
BENZENE	ND
2-BUT	ND
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	ND
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	ND
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

MW-5 (9/8/08) 4-6'	
COMPOUND	RESULTS
ACETONE	30 JB* (ND)
BENZENE	8.9 J (ND)
2-BUT	ND (36 JD)
CHLOROB	170 J (95 JD)
1,2-DIBRO	ND (ND)
CYCLOHEX	23 J (ND)
1,2-DICHL	**13000 E (13000 D)**
1,3-DICHL	300 (270 JD)
1,4-DICHL	1300 E (1200 D)
CIS-1,2	28 J (ND)
ETHYLBEN	7.8 J (ND)
ISOPROBEN	24 J (ND)
P-ISOPRO	5.7 J (ND)
METHYLCYC	33 (ND)
METH CHL	ND (ND)
N-PROPYL	5.6 J (42 JD)
PCE	58 J (40 JD)
TOLUENE	6.9 J (ND)
1,2,4-TRI	120 J (210 JD)
1,2,4-TRIM	71 J (60 JD)
1,3,5-TRIM	4.4 J (ND)
TCE	12 J (ND)
XYLENES	**106 J (50 JD)**

MW-5 (9/8/08) 8-10'	
COMPOUND	RESULTS
ACETONE	2.2 JB*
BENZENE	ND
2-BUT	ND
CHLOROB	2.1 J
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	9.7
1,3-DICHL	ND
1,4-DICHL	1.6 J
CIS-1,2	0.68 J
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	ND
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

SB-1 (9/8/08) 2-4'	
COMPOUND	RESULTS
ACETONE	1.8 JB*
BENZENE	ND
2-BUT	ND
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	ND
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	ND
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

SB-2 (9/8/08) 6-8'	
COMPOUND	RESULTS
ACETONE	3.6 JB* (1.3 JB*)
BENZENE	ND (ND)
2-BUT	ND (ND)
CHLOROB	ND (ND)
1,2-DIBRO	ND (ND)
CYCLOHEX	ND (ND)
1,2-DICHL	ND (ND)
1,3-DICHL	ND (ND)
1,4-DICHL	ND (ND)
CIS-1,2	ND (ND)
ETHYLBEN	ND (ND)
ISOPROBEN	ND (ND)
P-ISOPRO	ND (ND)
METHYLCYC	ND (ND)
METH CHL	ND (ND)
N-PROPYL	ND (ND)
PCE	ND (ND)
TOLUENE	ND (ND)
1,2,4-TRI	ND (ND)
1,2,4-TRIM	ND (ND)
1,3,5-TRIM	ND (ND)
TCE	0.56 J (0.66 J)
XYLENES	ND (ND)

SB-2 (9/8/08) 10-12'	
COMPOUND	RESULTS
ACETONE	6.9 JB*
BENZENE	ND
2-BUT	0.81 J
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	ND
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	0.42 J
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

SB-3 (9/8/08) 4-6'	
COMPOUND	RESULTS
ACETONE	ND
BENZENE	ND
2-BUT	ND
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	ND
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	ND
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	0.87 J
XYLENES	ND

SB-3 (9/8/08) 12-14'	
COMPOUND	RESULTS
ACETONE	1.5 JB
BENZENE	ND
2-BUT	ND
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	ND
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	ND
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

LEGEND:

- APPROXIMATE PROPERTY LINE
- EASEMENT
- MONITORING WELL
- SOIL BORING LOCATION

SOIL ANALYTICAL RESULTS IN MICROGRAMS PER KILOGRAM (ug/Kg):

DS-1 (9/20/08)	
COMPOUND	RESULTS
ACETONE	ND
BENZENE	ND
2-BUT	ND
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	ND
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	ND
1,2,4-TRIC	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

SAMPLE NUMBER (DATE) DEPTH

ACETONE
BENZENE
2-BUTANONE (MEK)
CHLOROBENZENE
1,2-DIBROMO-3-CHLOROPROPANE
CYCLOHEXANE
1,2-DICHLOROBENZENE
1,3-DICHLOROBENZENE
1,4-DICHLOROBENZENE
CIS-1,2-DICHLOROETHENE
ETHYLBENZENE
ISOPROPYLBENZENE
P-ISOPROPYLBENZENE
METHYLCYCLOHEXANE
METHYLENE CHLORIDE
N-PROPYLBENZENE
TETRACHLOROETHENE
TOLUENE
1,2,4-TRICHLOROBENZENE
1,2,4-TRIMETHYLBENZENE
1,3,5-TRIMETHYLBENZENE
TRICHLOROETHENE
XYLENES (TOTAL)

J	ESTIMATED VALUE
*	SUSPECTED LAB CONTAMINATION
ND	NOT DETECTED
(0.66 J)	DUPLICATE SAMPLE RESULTS
B	COMPOUND ALSO FOUND IN BLANK
D	ANALYTICAL DILUTION OF 125.0
13,000E	BOLD VALUE INDICATES THE RESULT EXCEEDS THE NYSDEC 6 NYCRR PART 375-6.8(a) STANDARD

NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEYS BY JAMES D. EVANS, DATED 4/21/06 AND 9/18/08.
2. ALL LOCATIONS ARE APPROXIMATE.

0 30' 60'

GRAPHIC SCALE

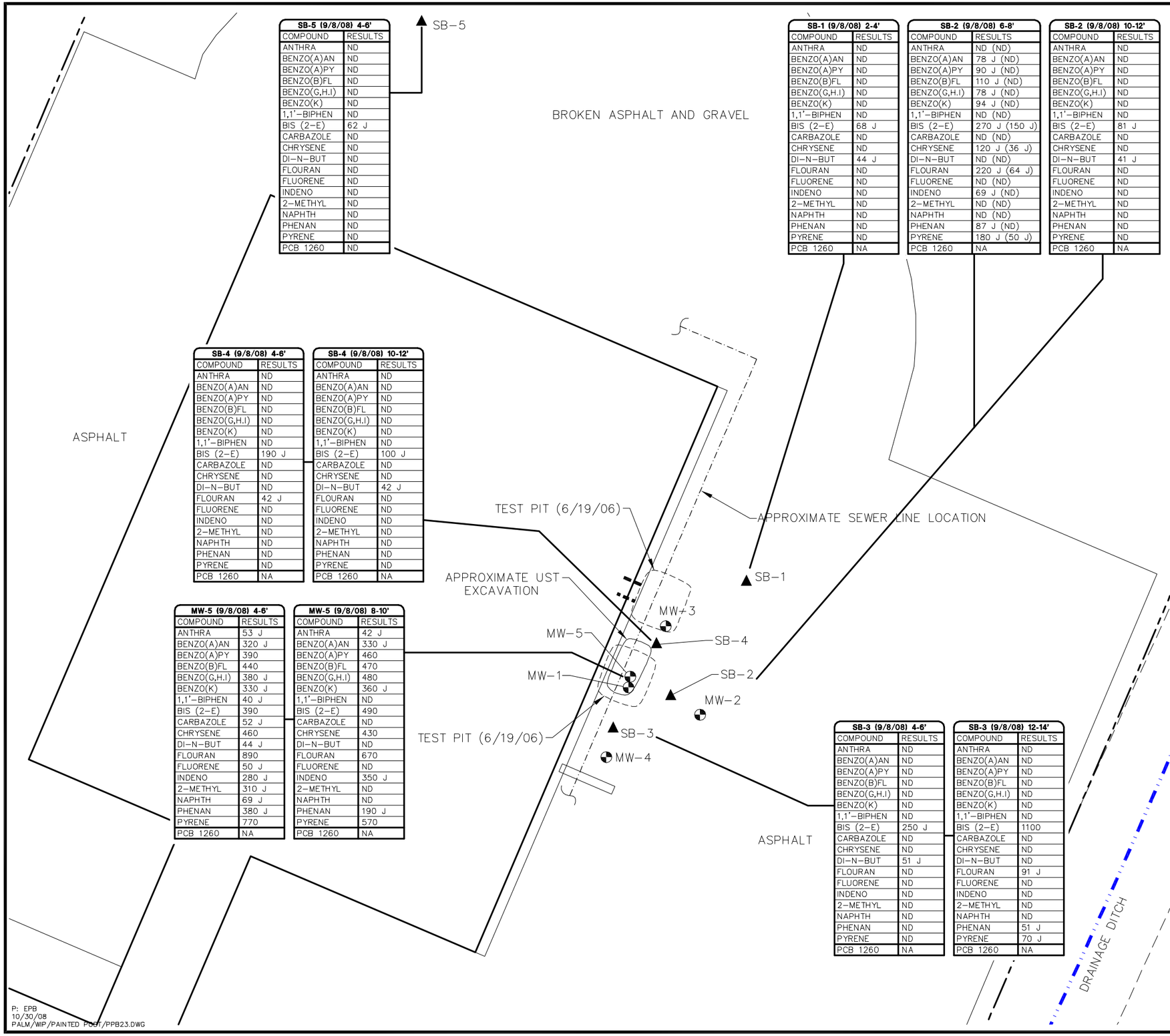
124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

SOIL BORING AND MW-5 SOIL VOCs

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 8

P: EPB
7/31/09
PALM/WIP/PAINTED POST/PPB24.DWG



SB-5 (9/8/08) 4-6'

COMPOUND	RESULTS
ANTHRA	ND
BENZO(A)AN	ND
BENZO(A)PY	ND
BENZO(B)FL	ND
BENZO(G,H.I)	ND
BENZO(K)	ND
1,1'-BIPHEN	ND
BIS (2-E)	62 J
CARBAZOLE	ND
CHRYSENE	ND
DI-N-BUT	ND
FLOURAN	ND
FLUORENE	ND
INDENO	ND
2-METHYL	ND
NAPHTH	ND
PHENAN	ND
PYRENE	ND
PCB 1260	ND

SB-1 (9/8/08) 2-4'

COMPOUND	RESULTS
ANTHRA	ND
BENZO(A)AN	ND
BENZO(A)PY	ND
BENZO(B)FL	ND
BENZO(G,H.I)	ND
BENZO(K)	ND
1,1'-BIPHEN	ND
BIS (2-E)	68 J
CARBAZOLE	ND
CHRYSENE	ND
DI-N-BUT	44 J
FLOURAN	ND
FLUORENE	ND
INDENO	ND
2-METHYL	ND
NAPHTH	ND
PHENAN	ND
PYRENE	ND
PCB 1260	NA

SB-2 (9/8/08) 6-8'

COMPOUND	RESULTS
ANTHRA	ND (ND)
BENZO(A)AN	78 J (ND)
BENZO(A)PY	90 J (ND)
BENZO(B)FL	110 J (ND)
BENZO(G,H.I)	78 J (ND)
BENZO(K)	94 J (ND)
1,1'-BIPHEN	ND (ND)
BIS (2-E)	270 J (150 J)
CARBAZOLE	ND (ND)
CHRYSENE	120 J (36 J)
DI-N-BUT	ND (ND)
FLOURAN	220 J (64 J)
FLUORENE	ND (ND)
INDENO	69 J (ND)
2-METHYL	ND (ND)
NAPHTH	ND (ND)
PHENAN	87 J (ND)
PYRENE	180 J (50 J)
PCB 1260	NA

SB-2 (9/8/08) 10-12'

COMPOUND	RESULTS
ANTHRA	ND
BENZO(A)AN	ND
BENZO(A)PY	ND
BENZO(B)FL	ND
BENZO(G,H.I)	ND
BENZO(K)	ND
1,1'-BIPHEN	ND
BIS (2-E)	81 J
CARBAZOLE	ND
CHRYSENE	ND
DI-N-BUT	41 J
FLOURAN	ND
FLUORENE	ND
INDENO	ND
2-METHYL	ND
NAPHTH	ND
PHENAN	ND
PYRENE	ND
PCB 1260	NA

SB-4 (9/8/08) 4-6'

COMPOUND	RESULTS
ANTHRA	ND
BENZO(A)AN	ND
BENZO(A)PY	ND
BENZO(B)FL	ND
BENZO(G,H.I)	ND
BENZO(K)	ND
1,1'-BIPHEN	ND
BIS (2-E)	190 J
CARBAZOLE	ND
CHRYSENE	ND
DI-N-BUT	ND
FLOURAN	42 J
FLUORENE	ND
INDENO	ND
2-METHYL	ND
NAPHTH	ND
PHENAN	ND
PYRENE	ND
PCB 1260	NA

SB-4 (9/8/08) 10-12'

COMPOUND	RESULTS
ANTHRA	ND
BENZO(A)AN	ND
BENZO(A)PY	ND
BENZO(B)FL	ND
BENZO(G,H.I)	ND
BENZO(K)	ND
1,1'-BIPHEN	ND
BIS (2-E)	100 J
CARBAZOLE	ND
CHRYSENE	ND
DI-N-BUT	42 J
FLOURAN	ND
FLUORENE	ND
INDENO	ND
2-METHYL	ND
NAPHTH	ND
PHENAN	ND
PYRENE	ND
PCB 1260	NA

MW-5 (9/8/08) 4-6'

COMPOUND	RESULTS
ANTHRA	53 J
BENZO(A)AN	320 J
BENZO(A)PY	390
BENZO(B)FL	440
BENZO(G,H.I)	380 J
BENZO(K)	330 J
1,1'-BIPHEN	40 J
BIS (2-E)	390
CARBAZOLE	52 J
CHRYSENE	460
DI-N-BUT	44 J
FLOURAN	890
FLUORENE	50 J
INDENO	280 J
2-METHYL	310 J
NAPHTH	69 J
PHENAN	380 J
PYRENE	770
PCB 1260	NA

MW-5 (9/8/08) 8-10'

COMPOUND	RESULTS
ANTHRA	42 J
BENZO(A)AN	330 J
BENZO(A)PY	460
BENZO(B)FL	470
BENZO(G,H.I)	480
BENZO(K)	360 J
1,1'-BIPHEN	ND
BIS (2-E)	490
CARBAZOLE	ND
CHRYSENE	430
DI-N-BUT	ND
FLOURAN	670
FLUORENE	ND
INDENO	350 J
2-METHYL	ND
NAPHTH	ND
PHENAN	190 J
PYRENE	570
PCB 1260	NA

SB-3 (9/8/08) 4-6'

COMPOUND	RESULTS
ANTHRA	ND
BENZO(A)AN	ND
BENZO(A)PY	ND
BENZO(B)FL	ND
BENZO(G,H.I)	ND
BENZO(K)	ND
1,1'-BIPHEN	ND
BIS (2-E)	250 J
CARBAZOLE	ND
CHRYSENE	ND
DI-N-BUT	51 J
FLOURAN	ND
FLUORENE	ND
INDENO	ND
2-METHYL	ND
NAPHTH	ND
PHENAN	ND
PYRENE	ND
PCB 1260	NA

SB-3 (9/8/08) 12-14'

COMPOUND	RESULTS
ANTHRA	ND
BENZO(A)AN	ND
BENZO(A)PY	ND
BENZO(B)FL	ND
BENZO(G,H.I)	ND
BENZO(K)	ND
1,1'-BIPHEN	ND
BIS (2-E)	1100
CARBAZOLE	ND
CHRYSENE	ND
DI-N-BUT	ND
FLOURAN	91 J
FLUORENE	ND
INDENO	ND
2-METHYL	ND
NAPHTH	ND
PHENAN	51 J
PYRENE	70 J
PCB 1260	NA

LEGEND:

- APPROXIMATE PROPERTY LINE
- EASEMENT
- MONITORING WELL
- SOIL BORING LOCATION

SOIL ANALYTICAL RESULTS IN MICROGRAMS PER KILOGRAM (ug/Kg):

SB- (9/8/08) 2-4'

COMPOUND	RESULTS
ANTHRA	ND
BENZO(A)AN	ND
BENZO(A)PY	ND
BENZO(B)FL	ND
BENZO(G,H.I)	ND
BENZO(K)	ND
1,1'-BIPHEN	ND
BIS (2-E)	ND
CARBAZOLE	ND
CHRYSENE	ND
DI-N-BUT	ND
FLOURAN	ND
FLUORENE	ND
INDENO	ND
2-METHYL	ND
NAPHTH	ND
PHENAN	ND
PYRENE	ND
PCB 1260	ND

SAMPLE NUMBER (SAMPLE DATE)

ANTHRA — ANTHRACENE
BENZO(A)AN — BENZO(A)ANTHRACENE
BENZO(A)PY — BENZO(A)PYRENE
BENZO(B)FL — BENZO(B)FLOURANTHENE
BENZO(G,H.I) — BENZO(G,H.I)PERYLENE
BENZO(K) — BENZO(K)FLOURANTHENE
1,1'-BIPHEN — 1,1'-BIPHENYL
BIS (2-E) — BIS (2-ETHYLHEXYL) PHTHALATE
CARBAZOLE — CARBAZOLE
CHRYSENE — CHRYSENE
DI-N-BUT — DI-N-BUTYLEPHTHALATE
FLOURAN — FLOURANTHENE
FLUORENE — FLUORENE
INDENO — INDENO (1,2,3-CD) PYRENE
2-METHYL — 2-METHYLNAPHTHALENE
NAPHTH — NAPHTHALENE
PHENAN — PHENANTHRENE
PYRENE — PYRENE
PCB 1260 — PCB 1260

J — ESTIMATED VALUE
ND — NOT DETECTED
NA — NOT ANALYZED FOR
(64 J) — DUPLICATE SAMPLE RESULTS

NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEYS BY JAMES D. EVANS, DATED 4/21/06 AND 9/18/08.
2. ALL LOCATIONS ARE APPROXIMATE.

0 30' 60'

GRAPHIC SCALE

124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

SOIL BORING AND MW-5 SOIL SVOCs AND PCBs

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 9

P: EPB
10/30/08
PALM/WIP/PAINTED POST/PPB23.DWG

SB-5 (9/8/08) 4-6'	
COMPOUND	RESULTS
ALUMINUM	13900
ARSENIC	6.5
BARIUM	51.9
BERYLLIUM	ND
CADMIUM	ND
CALCIUM	1320
CHROMIUM	16.7
COBALT	9.4
COPPER	15.8
IRON	24100
LEAD	10.3
MAGNESIUM	3900
MANGANESE	401
MERCURY	ND
NICKEL	21.8
POTASSIUM	784
SELENIUM	ND
SODIUM	ND
VANADIUM	18.6
ZINC	58.4

SB-5

BROKEN ASPHALT AND GRAVEL

SB-1 (9/8/08) 2-4'	
COMPOUND	RESULTS
ALUMINUM	13400
ARSENIC	6.5
BARIUM	88.7
BERYLLIUM	0.60
CADMIUM	ND
CALCIUM	840
CHROMIUM	15.8
COBALT	10.5
COPPER	15.9
IRON	23200
LEAD	12.4
MAGNESIUM	3490
MANGANESE	565
MERCURY	ND
NICKEL	21.7
POTASSIUM	820
SELENIUM	ND
SODIUM	ND
VANADIUM	17.8
ZINC	63.9

SB-2 (9/8/08) 6-8'	
COMPOUND	RESULTS
ALUMINUM	11200 (12500)
ARSENIC	7.4 (5.0)
BARIUM	91.7 (38.9)
BERYLLIUM	ND (ND)
CADMIUM	ND (ND)
CALCIUM	2890 (1080)
CHROMIUM	15.3 (14.2)
COBALT	10.2 (7.8)
COPPER	36.6 (15.6)
IRON	22700 (19000)
LEAD	11.6 8.9
MAGNESIUM	3850 (3140)
MANGANESE	994 (274)
MERCURY	ND (ND)
NICKEL	22.5 (19.7)
POTASSIUM	936 (647)
SELENIUM	ND (ND)
SODIUM	ND (ND)
VANADIUM	17.6 (16.6)
ZINC	84.2 (51.7)

SB-2 (9/8/08) 10-12'	
COMPOUND	RESULTS
ALUMINUM	4280
ARSENIC	4.4
BARIUM	59.7
BERYLLIUM	ND
CADMIUM	ND
CALCIUM	88100
CHROMIUM	6.5
COBALT	ND
COPPER	18.5
IRON	10200
LEAD	5.1
MAGNESIUM	12500
MANGANESE	465
MERCURY	ND
NICKEL	9.7
POTASSIUM	593
SELENIUM	ND
SODIUM	ND
VANADIUM	7.0
ZINC	50.4

SB-4 (9/8/08) 4-6'	
COMPOUND	RESULTS
ALUMINUM	10300
ARSENIC	6.5
BARIUM	95.3
BERYLLIUM	ND
CADMIUM	ND
CALCIUM	9350
CHROMIUM	13.8
COBALT	8.7
COPPER	18.8
IRON	20200
LEAD	11.8
MAGNESIUM	4560
MANGANESE	592
MERCURY	ND
NICKEL	18.8
POTASSIUM	871
SELENIUM	ND
SODIUM	ND
VANADIUM	15.0
ZINC	58.0

SB-4 (9/8/08) 12-14'	
COMPOUND	RESULTS
ALUMINUM	8410
ARSENIC	5.1
BARIUM	106
BERYLLIUM	ND
CADMIUM	ND
CALCIUM	26800
CHROMIUM	54.9
COBALT	6.6
COPPER	43.9
IRON	22600
LEAD	7.3
MAGNESIUM	9340
MANGANESE	733
MERCURY	ND
NICKEL	23.9
POTASSIUM	688
SELENIUM	ND
SODIUM	ND
VANADIUM	11.6
ZINC	83.1

ASPHALT

TEST PIT (6/19/06)

APPROXIMATE SEWER LINE LOCATION

APPROXIMATE UST EXCAVATION

SB-1

MW-3

MW-5

SB-4

MW-1

SB-2

MW-2

TEST PIT (6/19/06)

SB-3

MW-4

MW-5 (9/8/08) 4-6'	
COMPOUND	RESULTS
ALUMINUM	10700
ARSENIC	6.0
BARIUM	92.8
BERYLLIUM	ND
CADMIUM	ND
CALCIUM	4760
CHROMIUM	13.9
COBALT	8.1
COPPER	24.4
IRON	19100
LEAD	175
MAGNESIUM	3900
MANGANESE	649
MERCURY	ND
NICKEL	19.6
POTASSIUM	789
SELENIUM	ND
SODIUM	ND
VANADIUM	15.9
ZINC	87.4

MW-5 (9/8/08) 8-10'	
COMPOUND	RESULTS
ALUMINUM	8470
ARSENIC	5.3
BARIUM	92.9
BERYLLIUM	ND
CADMIUM	ND
CALCIUM	21800
CHROMIUM	20.3
COBALT	6.8
COPPER	28.4
IRON	17700
LEAD	35.8
MAGNESIUM	5440
MANGANESE	910
MERCURY	ND
NICKEL	17.7
POTASSIUM	841
SELENIUM	ND
SODIUM	ND
VANADIUM	13.7
ZINC	84.6

SB-3 (9/8/08) 4-6'	
COMPOUND	RESULTS
ALUMINUM	11300
ARSENIC	8.8
BARIUM	111
BERYLLIUM	ND
CADMIUM	ND
CALCIUM	1650
CHROMIUM	16.1
COBALT	7.9
COPPER	39.6
IRON	23300
LEAD	22.9
MAGNESIUM	3220
MANGANESE	772
MERCURY	0.06
NICKEL	22.9
POTASSIUM	996
SELENIUM	ND
SODIUM	ND
VANADIUM	18.7
ZINC	88.7

SB-3 (9/8/08) 12-14'	
COMPOUND	RESULTS
ALUMINUM	7300
ARSENIC	6.1
BARIUM	81.4
BERYLLIUM	ND
CADMIUM	ND
CALCIUM	29200
CHROMIUM	10.2
COBALT	6.1
COPPER	22.2
IRON	15500
LEAD	5.2
MAGNESIUM	10300
MANGANESE	582
MERCURY	ND
NICKEL	15.4
POTASSIUM	816
SELENIUM	ND
SODIUM	ND
VANADIUM	10.5
ZINC	68.2

ASPHALT

DRAINAGE DITCH

LEGEND:

- APPROXIMATE PROPERTY LINE
- EASEMENT
- MONITORING WELL
- SOIL BORING LOCATION

SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/Kg):

SB-5 (9/8/08) 4-6'		
COMPOUND	RESULTS	SAMPLE NAME (SAMPLE DATE) DEPTH
ALUMINUM	13900	ALUMINUM
ARSENIC	6.5	ARSENIC
BARIUM	51.9	BARIUM
BERYLLIUM	ND	BERYLLIUM
CADMIUM	ND	CADMIUM
CALCIUM	1320	CALCIUM
CHROMIUM	16.7	CHROMIUM
COBALT	9.4	COBALT
COPPER	15.8	COPPER
IRON	24100	IRON
LEAD	10.3	LEAD
MAGNESIUM	3900	MAGNESIUM
MANGANESE	401	MANGANESE
MERCURY	ND	MERCURY
NICKEL	21.8	NICKEL
POTASSIUM	784	POTASSIUM
SELENIUM	ND	SELENIUM
SODIUM	ND	SODIUM
VANADIUM	18.6	VANADIUM
ZINC	58.4	ZINC

ND NOT DETECTED

(16.6) DUPLICATE SAMPLE RESULTS

NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEYS BY JAMES D. EVANS, DATED 4/21/06 AND 9/18/08.
2. ALL LOCATIONS ARE APPROXIMATE.

0 30' 60'

GRAPHIC SCALE

124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

SOIL BORING AND MW-5 SOIL METALS

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 10

P: EPB
11/4/08
PALM/WIP/PAINTED POST/PPB25.DWG

BROKEN ASPHALT AND GRAVEL

ASPHALT

TEST PIT (6/19/06)

APPROXIMATE SEWER LINE LOCATION

APPROXIMATE UST EXCAVATION

TEST PIT (6/19/06)

MW-5

MW-1

MW-2

MW-3

MW-4

DRAINAGE DITCH

MW-5 (9/10/08)	
COMPOUND	RESULTS
ACETONE	4.9 J
BENZENE	**1.9**
CHLOROB	3.5
1,2-DICHL	**24**
CHLOROF	0.29 J
CYCLOHEX	0.69 J
1,4-DICHL	1.1
CIS-1,2	2.6
ETHYLBEN	0.45 J
METHYLCYC	0.32 J
PCE	ND
TOLUENE	2.5
1,2,4-TRIC	ND
1,2,4-TRIM	0.80 J
1,3,5-TRIM	0.22 J
TCE	0.33 J
VINYL CHL	1.3
XYLENES	3.2

MW-3 (9/10/08)	
COMPOUND	RESULTS
ACETONE	1.5 J
BENZENE	ND
CHLOROB	ND
1,2-DICHL	ND
CHLOROF	ND
CYCLOHEX	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
METHYLCYC	ND
PCE	ND
TOLUENE	ND
1,2,4-TRIC	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
VINYL CHL	ND
XYLENES	ND

MW-4 (9/10/08)	
COMPOUND	RESULTS
ACETONE	ND
BENZENE	ND
CHLOROB	ND
1,2-DICHL	ND
CHLOROF	ND
CYCLOHEX	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
METHYLCYC	ND
PCE	ND
TOLUENE	ND
1,2,4-TRIC	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
VINYL CHL	ND
XYLENES	ND

MW-1 (9/10/08)	
COMPOUND	RESULTS
ACETONE	ND
BENZENE	ND
CHLOROB	2.5
1,2-DICHL	3.2
CHLOROF	ND
CYCLOHEX	ND
1,4-DICHL	0.47 J*
CIS-1,2	0.63 J
ETHYLBEN	ND
METHYLCYC	ND
PCE	0.54 J
TOLUENE	ND
1,2,4-TRIC	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	0.28 J
VINYL CHL	0.26 J
XYLENES	ND

MW-2 (9/10/08)	
COMPOUND	RESULTS
ACETONE	2.7 J (ND)
BENZENE	ND (ND)
CHLOROB	ND (ND)
1,2-DICHL	ND (ND)
CHLOROF	ND (ND)
CYCLOHEX	ND (ND)
1,4-DICHL	ND (ND)
CIS-1,2	ND (ND)
ETHYLBEN	ND (ND)
METHYLCYC	ND (ND)
PCE	ND (ND)
TOLUENE	ND (ND)
1,2,4-TRIC	ND (ND)
1,2,4-TRIM	ND (ND)
1,3,5-TRIM	ND (ND)
TCE	ND (ND)
VINYL CHL	ND (ND)
XYLENES	ND (ND)

LEGEND:

APPROXIMATE PROPERTY LINE

EASEMENT

MONITORING WELL

GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER (ug/L)

MW-1 (9/10/08)	
COMPOUND	RESULTS
ACETONE	ND
BENZENE	ND
CHLOROB	ND
1,2-DICHL	ND
CHLOROF	ND
CYCLOHEX	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
METHYLCYC	ND
PCE	ND
TOLUENE	ND
1,2,4-TRIC	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
VINYL CHL	ND
XYLENES	ND

WELL NUMBER (SAMPLE DATE)

J	ESTIMATED VALUE
*	SUSPECTED LAB CONTAMINATION
ND	NOT DETECTED
(ND)	DUPLICATE SAMPLE RESULTS
7.3	BOLD VALUE INDICATES THE RESULT EXCEEDS THE NYSDEC GROUNDWATER STANDARD

NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEYS BY JAMES D. EVANS, DATED 4/21/06 AND 9/18/08.
2. ALL LOCATIONS ARE APPROXIMATE.

0 30' 60'

GRAPHIC SCALE

124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

GROUNDWATER VOCs

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE **11**

P: EPB
11/4/08
PALM/WIP/PAINTED POST/PPB26.DWG

BROKEN ASPHALT AND GRAVEL

ASPHALT

TEST PIT (6/19/06)

APPROXIMATE SEWER LINE LOCATION

APPROXIMATE UST EXCAVATION

TEST PIT (6/19/06)

MW-5

MW-3

MW-1

MW-2

MW-4

MW-5 (9/11/08)	
COMPOUND	RESULTS
DI-N-BUT	1.0 JB*
CAPROLAC	22
BIS (2-E)	1.1 J
4-NITRO	9.0 J

MW-3 (9/10/08)	
COMPOUND	RESULTS
DI-N-BUT	ND
CAPROLAC	ND
BIS (2-E)	ND
4-NITRO	ND

MW-4 (9/10/08)	
COMPOUND	RESULTS
DI-N-BUT	ND
CAPROLAC	ND
BIS (2-E)	ND
4-NITRO	ND

MW-1 (9/10/08)	
COMPOUND	RESULTS
DI-N-BUT	ND
CAPROLAC	ND
BIS (2-E)	ND
4-NITRO	ND

MW-2 (9/10/08)	
COMPOUND	RESULTS
DI-N-BUT	ND (ND)
CAPROLAC	ND (ND)
BIS (2-E)	ND (ND)
4-NITRO	ND (ND)

DRAINAGE DITCH

LEGEND:

APPROXIMATE PROPERTY LINE

EASEMENT

MONITORING WELL

GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER (ug/L)

MW-1 (9/10/08)	
COMPOUND	RESULTS
DI-N-BUT	ND
CAPROLAC	ND
BIS (2-E)	ND
4-NITRO	ND

WELL NUMBER (SAMPLE DATE)

DI-N-BUTYLPHTHALATE
CAPROLACTAM
BIS (2-ETHYLHEXYL) PHTHALATE
4-NITROANILINE

J	ESTIMATED VALUE
*	SUSPECTED LAB CONTAMINATION
ND	NOT DETECTED
(ND)	DUPLICATE SAMPLE RESULTS
B	COMPOUND ALSO FOUND IN BLANK

NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEYS BY JAMES D. EVANS, DATED 4/21/06 AND 9/18/08.
2. ALL LOCATIONS ARE APPROXIMATE.

0 30' 60'

GRAPHIC SCALE

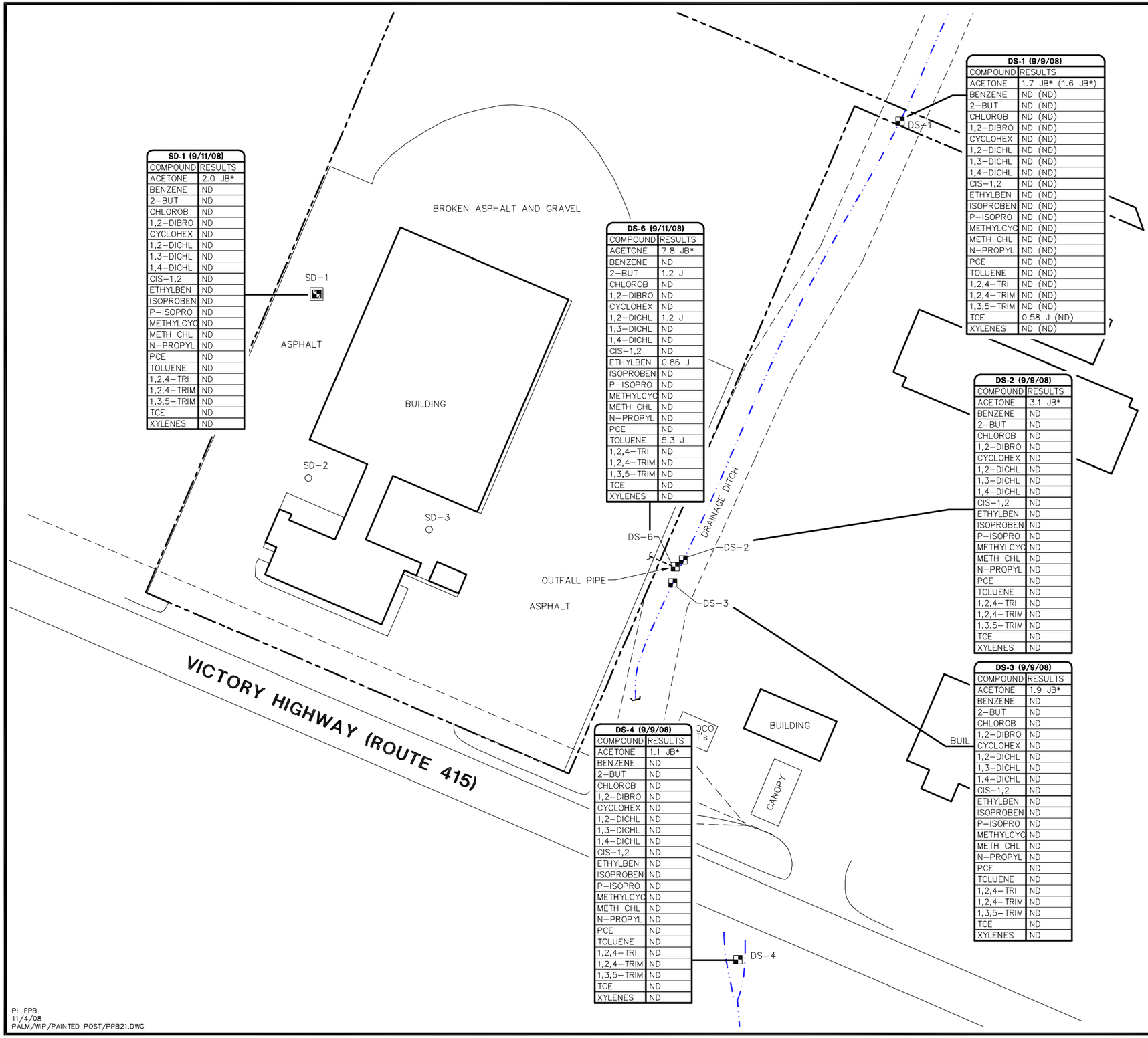
124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

GROUNDWATER SVOCs

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 12

P: EPB
10/31/08
PALM/WIP/PAINTED POST/PPB27.DWG



SD-1 (9/11/08)	
COMPOUND	RESULTS
ACETONE	2.0 JB*
BENZENE	ND
2-BUT	ND
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	ND
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	ND
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

DS-6 (9/11/08)	
COMPOUND	RESULTS
ACETONE	7.8 JB*
BENZENE	ND
2-BUT	1.2 J
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	1.2 J
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	0.86 J
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	5.3 J
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

DS-1 (9/9/08)	
COMPOUND	RESULTS
ACETONE	1.7 JB* (1.6 JB*)
BENZENE	ND (ND)
2-BUT	ND (ND)
CHLOROB	ND (ND)
1,2-DIBRO	ND (ND)
CYCLOHEX	ND (ND)
1,2-DICHL	ND (ND)
1,3-DICHL	ND (ND)
1,4-DICHL	ND (ND)
CIS-1,2	ND (ND)
ETHYLBEN	ND (ND)
ISOPROBEN	ND (ND)
P-ISOPRO	ND (ND)
METHYLCYC	ND (ND)
METH CHL	ND (ND)
N-PROPYL	ND (ND)
PCE	ND (ND)
TOLUENE	ND (ND)
1,2,4-TRI	ND (ND)
1,2,4-TRIM	ND (ND)
1,3,5-TRIM	ND (ND)
TCE	0.58 J (ND)
XYLENES	ND (ND)

DS-2 (9/9/08)	
COMPOUND	RESULTS
ACETONE	3.1 JB*
BENZENE	ND
2-BUT	ND
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	ND
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	ND
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

DS-3 (9/9/08)	
COMPOUND	RESULTS
ACETONE	1.9 JB*
BENZENE	ND
2-BUT	ND
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	ND
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	ND
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

DS-4 (9/9/08)	
COMPOUND	RESULTS
ACETONE	1.1 JB*
BENZENE	ND
2-BUT	ND
CHLOROB	ND
1,2-DIBRO	ND
CYCLOHEX	ND
1,2-DICHL	ND
1,3-DICHL	ND
1,4-DICHL	ND
CIS-1,2	ND
ETHYLBEN	ND
ISOPROBEN	ND
P-ISOPRO	ND
METHYLCYC	ND
METH CHL	ND
N-PROPYL	ND
PCE	ND
TOLUENE	ND
1,2,4-TRI	ND
1,2,4-TRIM	ND
1,3,5-TRIM	ND
TCE	ND
XYLENES	ND

LEGEND:

- APPROXIMATE PROPERTY LINE
- EASEMENT
- SD-1 ○ SURFACE DRAIN
- DRAINAGE DITCH SAMPLE LOCATION
- STORM DRAIN SAMPLE LOCATION

SOIL ANALYTICAL RESULTS IN MICROGRAMS PER KILOGRAM (ug/Kg):

DS- (9/9/08)		SAMPLE NUMBER (DATE)
COMPOUND	RESULTS	
ACETONE	ND	ACETONE
BENZENE	ND	BENZENE
2-BUT	ND	2-BUTANONE (MEK)
CHLOROB	ND	CHLOROBENZENE
1,2-DIBRO	ND	1,2-DIBROMO-3-CHLOROPROPANE
CYCLOHEX	ND	CYCLOHEXANE
1,2-DICHL	ND	1,2-DICHLOROBENZENE
1,3-DICHL	ND	1,3-DICHLOROBENZENE
1,4-DICHL	ND	1,4-DICHLOROBENZENE
CIS-1,2	ND	CIS-1,2-DICHLOROETHENE
ETHYLBEN	ND	ETHYLBENZENE
ISOPROBEN	ND	ISOPROPYLBENZENE
P-ISOPRO	ND	P-ISOPROPYLBENZENE
METHYLCYC	ND	METHYLCYCLOHEXANE
METH CHL	ND	METHYLENE CHLORIDE
N-PROPYL	ND	N-PROPYLBENZENE
PCE	ND	TETRACHLOROETHENE
TOLUENE	ND	TOLUENE
1,2,4-TRI	ND	1,2,4-TRICHLOROBENZENE
1,2,4-TRIM	ND	1,2,4-TRIMETHYLBENZENE
1,3,5-TRIM	ND	1,3,5-TRIMETHYLBENZENE
TCE	ND	TRICHLOROETHENE
XYLENES	ND	XYLENES (TOTAL)

J	ESTIMATED VALUE
*	SUSPECTED LAB CONTAMINATION
ND	NOT DETECTED
(ND)	DUPLICATE SAMPLE RESULTS
B	ALSO FOUND IN ASSOCIATED ANALYTICAL BLANK
47,000	BOLD VALUE INDICATES THE RESULT EXCEEDS THE RECOMMENDED SOIL CLEANUP OBJECTIVE

NOTES:
1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEYS BY JAMES D. EVANS, DATED 4/21/06 AND 9/18/08.
2. ALL LOCATIONS ARE APPROXIMATE.

0 80' 160'

GRAPHIC SCALE

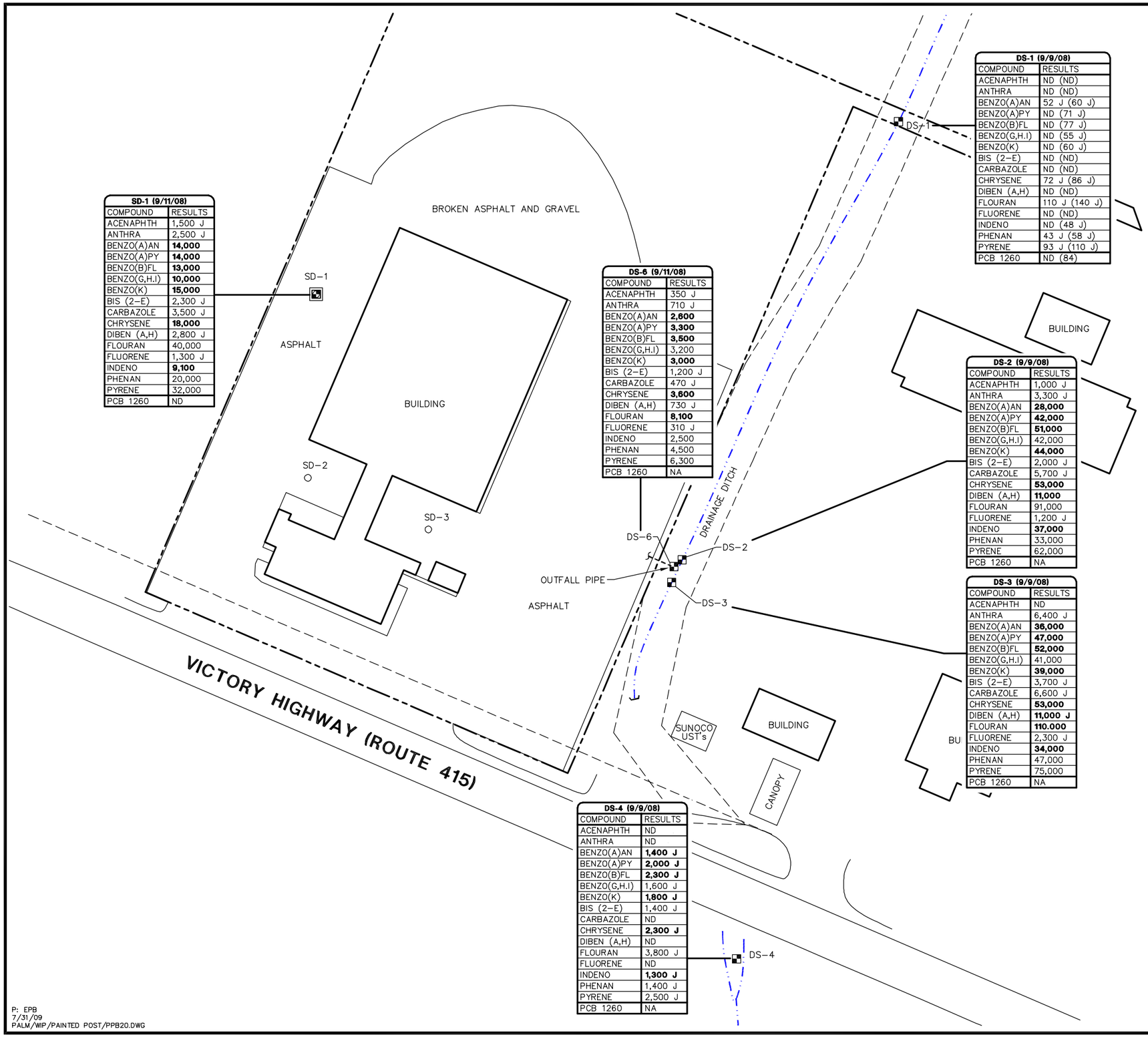
124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

DRAINAGE DITCH SOIL VOCs

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 13

P: EPB
11/4/08
PALM/WIP/PAINTED POST/PPB21.DWG



SD-1 (9/11/08)	
COMPOUND	RESULTS
ACENAPHTH	1,500 J
ANTHRA	2,500 J
BENZO(A)AN	**14,000**
BENZO(A)PY	**14,000**
BENZO(B)FL	**13,000**
BENZO(G,H.I)	**10,000**
BENZO(K)	**15,000**
BIS (2-E)	2,300 J
CARBAZOLE	3,500 J
CHRYSENE	**18,000**
DIBEN (A,H)	2,800 J
FLOURAN	40,000
FLUORENE	1,300 J
INDENO	**9,100**
PHENAN	20,000
PYRENE	32,000
PCB 1260	ND

DS-6 (9/11/08)	
COMPOUND	RESULTS
ACENAPHTH	350 J
ANTHRA	710 J
BENZO(A)AN	**2,600**
BENZO(A)PY	**3,300**
BENZO(B)FL	**3,500**
BENZO(G,H.I)	3,200
BENZO(K)	**3,000**
BIS (2-E)	1,200 J
CARBAZOLE	470 J
CHRYSENE	**3,600**
DIBEN (A,H)	730 J
FLOURAN	**8,100**
FLUORENE	310 J
INDENO	2,500
PHENAN	4,500
PYRENE	6,300
PCB 1260	NA

DS-1 (9/9/08)	
COMPOUND	RESULTS
ACENAPHTH	ND (ND)
ANTHRA	ND (ND)
BENZO(A)AN	52 J (60 J)
BENZO(A)PY	ND (71 J)
BENZO(B)FL	ND (77 J)
BENZO(G,H.I)	ND (55 J)
BENZO(K)	ND (60 J)
BIS (2-E)	ND (ND)
CARBAZOLE	ND (ND)
CHRYSENE	72 J (86 J)
DIBEN (A,H)	ND (ND)
FLOURAN	110 J (140 J)
FLUORENE	ND (ND)
INDENO	ND (48 J)
PHENAN	43 J (58 J)
PYRENE	93 J (110 J)
PCB 1260	ND (84)

DS-2 (9/9/08)	
COMPOUND	RESULTS
ACENAPHTH	1,000 J
ANTHRA	3,300 J
BENZO(A)AN	**28,000**
BENZO(A)PY	**42,000**
BENZO(B)FL	**51,000**
BENZO(G,H.I)	42,000
BENZO(K)	**44,000**
BIS (2-E)	2,000 J
CARBAZOLE	5,700 J
CHRYSENE	**53,000**
DIBEN (A,H)	**11,000**
FLOURAN	91,000
FLUORENE	1,200 J
INDENO	**37,000**
PHENAN	33,000
PYRENE	62,000
PCB 1260	NA

DS-3 (9/9/08)	
COMPOUND	RESULTS
ACENAPHTH	ND
ANTHRA	6,400 J
BENZO(A)AN	**36,000**
BENZO(A)PY	**47,000**
BENZO(B)FL	**52,000**
BENZO(G,H.I)	41,000
BENZO(K)	**39,000**
BIS (2-E)	3,700 J
CARBAZOLE	6,600 J
CHRYSENE	**53,000**
DIBEN (A,H)	**11,000 J**
FLOURAN	**110.000**
FLUORENE	2,300 J
INDENO	**34,000**
PHENAN	47,000
PYRENE	75,000
PCB 1260	NA

DS-4 (9/9/08)	
COMPOUND	RESULTS
ACENAPHTH	ND
ANTHRA	ND
BENZO(A)AN	**1,400 J**
BENZO(A)PY	**2,000 J**
BENZO(B)FL	**2,300 J**
BENZO(G,H.I)	1,600 J
BENZO(K)	**1,800 J**
BIS (2-E)	1,400 J
CARBAZOLE	ND
CHRYSENE	**2,300 J**
DIBEN (A,H)	ND
FLOURAN	3,800 J
FLUORENE	ND
INDENO	**1,300 J**
PHENAN	1,400 J
PYRENE	2,500 J
PCB 1260	NA

LEGEND:

- APPROXIMATE PROPERTY LINE
- EASEMENT
- SD-1 ○ SURFACE DRAIN
- DRAINAGE DITCH SAMPLE LOCATION
- SURFACE DRAIN SAMPLE LOCATION

SOIL ANALYTICAL RESULTS IN MICROGRAMS PER KILOGRAM (ug/kg):

DS- (9/18/08)	
COMPOUND	RESULTS
ACENAPHTH	ND
ANTHRA	ND
BENZO(A)AN	ND
BENZO(A)PY	ND
BENZO(B)FL	ND
BENZO(G,H.I)	ND
BENZO(K)	ND
BIS (2-E)	ND
CARBAZOLE	ND
CHRYSENE	ND
DIBEN (A,H)	ND
FLOURAN	ND
FLUORENE	ND
INDENO	ND
PHENAN	ND
PYRENE	ND
PCB 1260	ND

SAMPLE NUMBER (SAMPLE DATE)

ACENAPHTHENE
ANTHRACENE
BENZO(A)ANTHRACENE
BENZO(A)PYRENE
BENZO(B)FLOURANTHENE
BENZO(G,H.I)PERYLENE
BENZO(K)FLOURANTHENE
BIS (2-ETHYLHEXYL) PHTHALATE
CARBAZOLE
CHRYSENE
DIBEN (A,H) ANTHRACENE
FLOURANTHENE
FLUORENE
INDENO (1,2,3-CD) PYRENE
PHENANTHRENE
PYRENE
PCB 1260

J ESTIMATED VALUE

ND NOT DETECTED

NA NOT ANALYZED FOR

(ND) DUPLICATE SAMPLE RESULTS

47,000 BOLD VALUE INDICATES THE RESULT EXCEEDS THE NYSDEC 6 NYCRR PART 375-6.8(a) STANDARD

NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEYS BY JAMES D. EVANS, DATED 4/21/06 AND 9/18/08.
2. ALL LOCATIONS ARE APPROXIMATE.

0 80' 160'

GRAPHIC SCALE

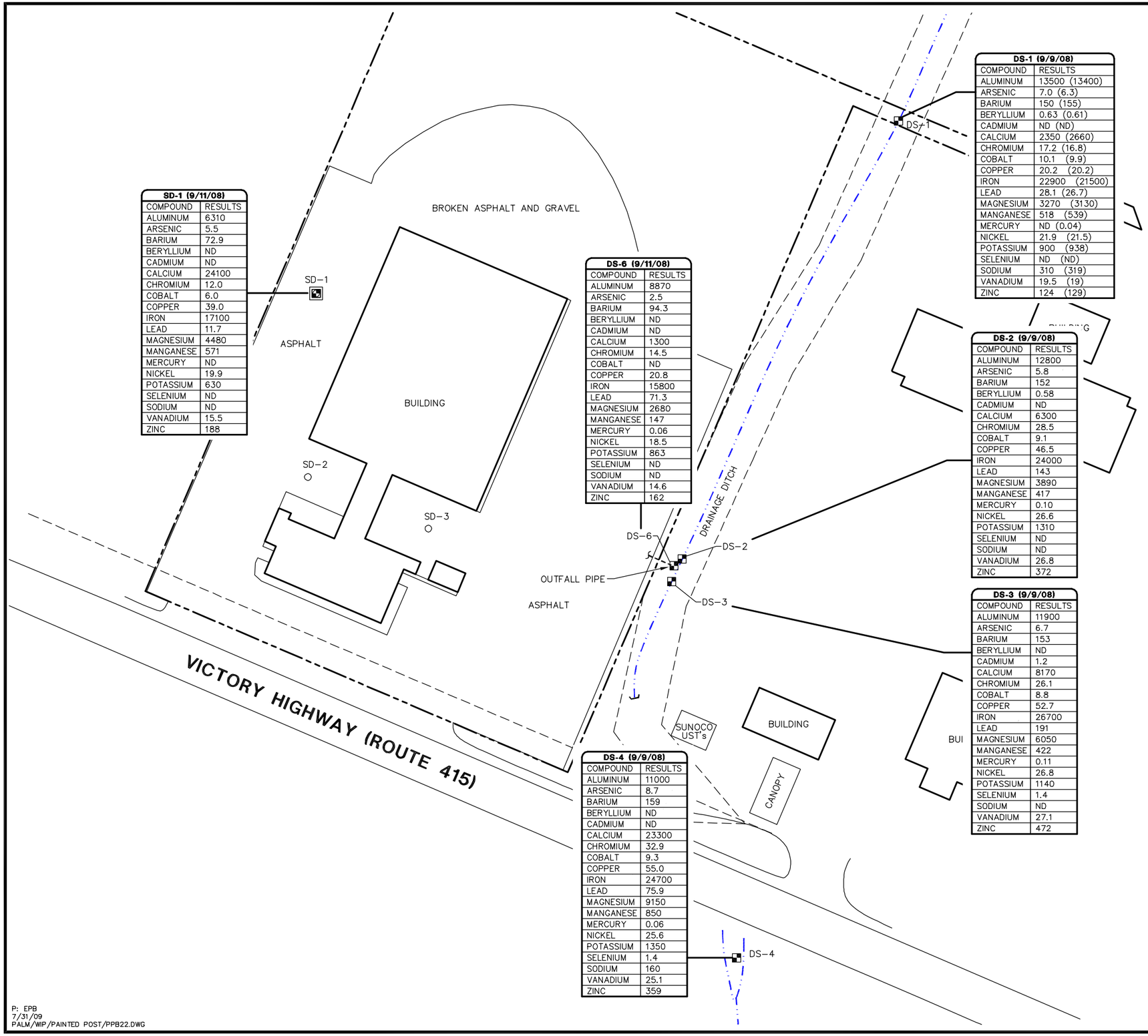
124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

DRAINAGE DITCH SOIL SVOCs AND PCBs

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE **14**

P: EPB
7/31/09
PALM/WIP/PAINTED POST/PPB20.DWG



SD-1 (9/11/08)	
COMPOUND	RESULTS
ALUMINUM	6310
ARSENIC	5.5
BARIUM	72.9
BERYLLIUM	ND
CADMIUM	ND
CALCIUM	24100
CHROMIUM	12.0
COBALT	6.0
COPPER	39.0
IRON	17100
LEAD	11.7
MAGNESIUM	4480
MANGANESE	571
MERCURY	ND
NICKEL	19.9
POTASSIUM	630
SELENIUM	ND
SODIUM	ND
VANADIUM	15.5
ZINC	188

DS-6 (9/11/08)	
COMPOUND	RESULTS
ALUMINUM	8870
ARSENIC	2.5
BARIUM	94.3
BERYLLIUM	ND
CADMIUM	ND
CALCIUM	1300
CHROMIUM	14.5
COBALT	ND
COPPER	20.8
IRON	15800
LEAD	71.3
MAGNESIUM	2680
MANGANESE	147
MERCURY	0.06
NICKEL	18.5
POTASSIUM	863
SELENIUM	ND
SODIUM	ND
VANADIUM	14.6
ZINC	162

DS-1 (9/9/08)	
COMPOUND	RESULTS
ALUMINUM	13500 (13400)
ARSENIC	7.0 (6.3)
BARIUM	150 (155)
BERYLLIUM	0.63 (0.61)
CADMIUM	ND (ND)
CALCIUM	2350 (2660)
CHROMIUM	17.2 (16.8)
COBALT	10.1 (9.9)
COPPER	20.2 (20.2)
IRON	22900 (21500)
LEAD	28.1 (26.7)
MAGNESIUM	3270 (3130)
MANGANESE	518 (539)
MERCURY	ND (0.04)
NICKEL	21.9 (21.5)
POTASSIUM	900 (938)
SELENIUM	ND (ND)
SODIUM	310 (319)
VANADIUM	19.5 (19)
ZINC	124 (129)

DS-2 (9/9/08)	
COMPOUND	RESULTS
ALUMINUM	12800
ARSENIC	5.8
BARIUM	152
BERYLLIUM	0.58
CADMIUM	ND
CALCIUM	6300
CHROMIUM	28.5
COBALT	9.1
COPPER	46.5
IRON	24000
LEAD	143
MAGNESIUM	3890
MANGANESE	417
MERCURY	0.10
NICKEL	26.6
POTASSIUM	1310
SELENIUM	ND
SODIUM	ND
VANADIUM	26.8
ZINC	372

DS-3 (9/9/08)	
COMPOUND	RESULTS
ALUMINUM	11900
ARSENIC	6.7
BARIUM	153
BERYLLIUM	ND
CADMIUM	1.2
CALCIUM	8170
CHROMIUM	26.1
COBALT	8.8
COPPER	52.7
IRON	26700
LEAD	191
MAGNESIUM	6050
MANGANESE	422
MERCURY	0.11
NICKEL	26.8
POTASSIUM	1140
SELENIUM	1.4
SODIUM	ND
VANADIUM	27.1
ZINC	472

DS-4 (9/9/08)	
COMPOUND	RESULTS
ALUMINUM	11000
ARSENIC	8.7
BARIUM	159
BERYLLIUM	ND
CADMIUM	ND
CALCIUM	23300
CHROMIUM	32.9
COBALT	9.3
COPPER	55.0
IRON	24700
LEAD	75.9
MAGNESIUM	9150
MANGANESE	850
MERCURY	0.06
NICKEL	25.6
POTASSIUM	1350
SELENIUM	1.4
SODIUM	160
VANADIUM	25.1
ZINC	359

LEGEND:

APPROXIMATE PROPERTY LINE

EASEMENT

SD-1 ○ SURFACE DRAIN

DRAINAGE DITCH SAMPLE LOCATION

SURFACE DRAIN SAMPLE LOCATION

SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg):

SD-1 (9/11/08)		
COMPOUND	RESULTS	SAMPLE NUMBER (SAMPLE DATE)
ALUMINUM	6310	ALUMINUM
ARSENIC	5.5	ARSENIC
BARIUM	72.9	BARIUM
BERYLLIUM	ND	BERYLLIUM
CADMIUM	ND	CADMIUM
CALCIUM	24100	CALCIUM
CHROMIUM	12.0	CHROMIUM
COBALT	6.0	COBALT
COPPER	39.0	COPPER
IRON	17100	IRON
LEAD	11.7	LEAD
MAGNESIUM	4480	MAGNESIUM
MANGANESE	571	MANGANESE
MERCURY	ND	MERCURY
NICKEL	19.9	NICKEL
POTASSIUM	630	POTASSIUM
SELENIUM	ND	SELENIUM
SODIUM	ND	SODIUM
VANADIUM	15.5	VANADIUM
ZINC	188	ZINC

ND NOT DETECTED

(14.5) DUPLICATE SAMPLE RESULTS

NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEYS BY JAMES D. EVANS, DATED 4/21/06 AND 9/18/08.

2. ALL LOCATIONS ARE APPROXIMATE.

0 80' 160'

GRAPHIC SCALE

124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

DRAINAGE DITCH SOIL METALS

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

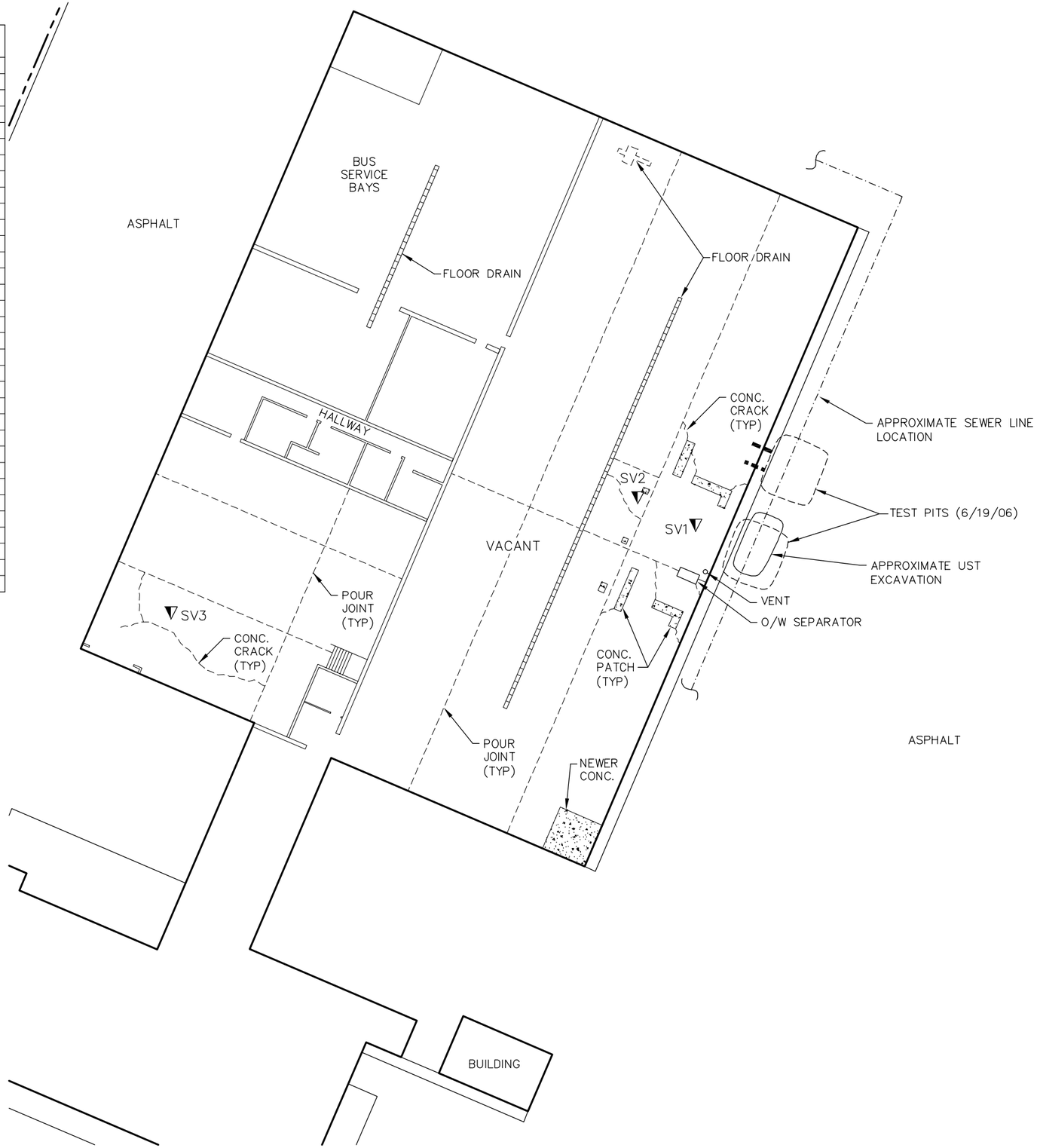
FIGURE 15

P: EPB
7/31/09
PALM/WIP/PAINTED POST/PPB22.DWG

SOIL VAPOR ANALYTICAL RESULTS (µg/m3)			
Analyte	Sample Location		
	SV1	SV2	SV3
1,1,1–Trichloroethane	3.2	3.9	ND
1,2,4–Trimethylbenzene	5.2	6.7	5.9
1,2–Dichloroethane	2.1	2.6	1.9
1,3,5–Trimethylbenzene	3.1	3.1	2.6
1,4–Dichlorobenzene	ND	1.7	1.5
2,2,4–trimethylpentane	3.5	0.71	7.1
4–ethyltoluene	2.3	2.8	2.7
Acetone	220	35	120
Benzene	13	3.1	11
Carbon disulfide	4.8	4.8	6.1
Chloroethane	ND	ND	0.27 J
Chloroform	0.84	0.84	1.2
cis–1,2–Dichloroethene	12	13	11
Cyclohexane	64	ND	130
Ethyl acetate	1.1	1.1	2.1
Ethylbenzene	3.7	3.8	5.4
Freon 11	6.4	9.9	2.4
Freon 113	ND	1.7	ND
Freon 12	2.5	3.5	2.5
Heptane	150	5.2	270
Hexane	200	ND	720
Isopropyl alcohol	95	17	21
m&p–Xylene	8.2	7.7	15
Methyl Ethyl Ketone	11	7.2	ND
Methylene chloride	14	18	23
o–Xylene	3.8	3.8	5.4
Styrene	1.5	1.6	1.2
Tetrachloroethylene	8.0	6.8	9.4
Tetrahydrofuran	3.7	1.3	ND
Toluene	20	13	27
Trichloroethene	43	42	39

NOTES

1. ND = Not detected above detection limits.
2. Units = µg/m3 (micrograms per cubic meter).
3. J = Estimated value.



LEGEND:

- APPROXIMATE PROPERTY LINE
- EASEMENT
- SUB–SLAB VAPOR POINT LOCATION

NOTES:

1. BASE MAP DIGITIZED FROM NYSGIS CLEARINGHOUSE 2002 AERIAL PHOTOGRAPH; FROM TEETER ENVIRONMENTAL SERVICES FIGURE ENTITLED "SITE MAP", DATED 10/25/06; AND FROM PHOTOCOPY OF SITE SURVEY BY JAMES D. EVANS, DATED 4/21/06.
2. ALL LOCATIONS ARE APPROXIMATE.
3. INTERIOR WALLS OF BUILDING DIGITIZED FROM PHOTOCOPY OF BALANCED ENGINEERING DRAWING M1, DATED 8/10/06 AND ARE APPROXIMATE.
4. CONCRETE FLOOR DETAILS FROM FLOOR PLAN SKETCH BY PALMERTON GROUP PERSONNEL. THEIR LOCATIONS ARE APPROXIMATE.

0 30' 60'

GRAPHIC SCALE

124 VICTORY HIGHWAY
PAINTED POST, NEW YORK

SOIL VAPOR VOCs

THE PALMERTON GROUP, LLC.
6296 FLY ROAD
EAST SYRACUSE, NEW YORK 13057

FIGURE 16

P: EPB
7/31/09
PALM/WIP/PAINTED POST/PPB31.DWG

APPENDIX C

Monitoring Well and Soil Boring Logs

SOIL BORING LOG
The Palmerton Group

PROJECT	**124 Victory Highway**		
		HOLE NO.	**SB-1**
LOCATION	**Painted Post, NY**	JOB NUMBER:	
		SURF. EL.	**~946'**
GROUNDWATER DEPTH		DATE STARTED	**9/8/08**
WHILE DRILLING	**~7'**	DATE COMPLETED	**9/8/08**
GENERAL BORING LOCATION	**In parking lot, east of building**		

LOGGED BY	**Matt Hoskins**	**SHEET**	**1 OF 1**
DRILL RIG	**Ingersoll Rand A300**		

DEPTH (feet)	SAMPLE DEPTH (feet)	SAMPLE NO.	Rec	DESCRIPTION OF MATERIAL (Photo-ionization device readings in ppm)
				Gravelly with sand, grey, slightly moist
				silty sand, brown, slightly moist (0.0)
	0.0 - 4.0	**SB 1 2-4'**	**42"/48"**	silty clay,dark browm, moist (2.0)
				clayey silt, light brown, slightly moist (2.0)
5.0				silty gravelly sand, brown, slightly moist
				clayey silt, brown, slightly moist (0.0)
	4.0 - 8.0		**42"/48"**	sand with gravels, grey, dry (0.0)
				clayey gravelly sand, brown and dark brown moist (0.0)
10.0	**8.0 - 12.0**			*grades to*
				clayey sand, brown, wet
				Total Depth of boring 12.0 feet
				Advanced 4 1/4-inch hollow-stem auger
				No blow counts recorded

SOIL BORING LOG
The Palmerton Group

PROJECT	**124 Victory Highway**		
		HOLE NO.	**SB-2**
LOCATION	**Painted Post, NY**	JOB NUMBER:	
		SURF. EL.	**~946'**
GROUNDWATER DEPTH		DATE STARTED	**9/8/08**
WHILE DRILLING	**~7'**	DATE COMPLETED	**9/8/08**
GENERAL BORING LOCATION	**In parking lot, east of building**		

LOGGED BY	**Matt Hoskins**	**SHEET**	**1 OF 1**
DRILL RIG	**Ingersoll Rand A300**		

DEPTH (feet)	SAMPLE DEPTH (feet)	SAMPLE NO.	Rec	DESCRIPTION OF MATERIAL (Photo-ionization device readings in ppm)
				Sandy gravel, dark brown, slighty moist (0.0)
	0.0 - 4.0		**40"/48"**	clayey fine sand w/ gravel, brown slighty moist (0.0)
5.0				clayey silt, light brown, moist (0.0)
	4.0 - 8.0	**SB 2 4'-6'**	**36"/48"**	fine sand, light brown, wet (0.0)
				silty fine sand with gravel, light brown, moist (0,0)
10.0	**8.0 - 12.0**		**26/48"**	gravel with sand, dark brown, wet (0.0)
				grades to
	12.0-16.0	**SB 2 12'-16'**	**46"/48"**	gravelly sand, dark brown, wet (0.0)
15.0				
				Total Depth of boring 16.0 feet
				No blow counts recorded

SOIL BORING LOG
The Palmerton Group

PROJECT	**124 Victory Highway**		
		HOLE NO.	**SB-3**
LOCATION	**Painted Post, NY**	JOB NUMBER:	
		SURF. EL.	**~946'**
GROUNDWATER DEPTH		DATE STARTED	**9/8/08**
WHILE DRILLING	**~7'**	DATE COMPLETED	**9/8/08**
GENERAL BORING LOCATION	**In parking lot, east of building**		

LOGGED BY	**Matt Hoskins**	**SHEET**	**1 OF 1**
DRILL RIG	**Ingersoll Rand A300**		

DEPTH (feet)	SAMPLE DEPTH (feet)	SAMPLE NO.	Rec	DESCRIPTION OF MATERIAL (Photo-ionization device readings in ppm)
				Gravel with sand, grey, dry (0.0)
	0.0 - 4.0		**27"/48"**	silty clay with gravel, brown to dark brown slightly moist (0.0)
5.0				
	4.0 - 8.0	**SB 3 4'-6'**	**21"/48"**	silty sand, brown, moist (0.0)
				grades to
				silty sand with clay, brown, moist to wet (0.0)
10.0	**8.0 - 12.0**		**23"/48"**	gravelly sand, brown, wet (0.0)
				grades to
				sandy gravel, brown, wet (0.0)
	12.0-16.0	**SB 3 12'-14'**	**33"/48"**	
15.0				
				coarse sand, brown, wet (0.0)
				Total Depth of boring 16.0 feet
				No blow counts recorded

SOIL BORING LOG
The Palmerton Group

PROJECT	**124 Victory Highway**		
		HOLE NO.	**SB-4**
LOCATION	**Painted Post, NY**	JOB NUMBER:	
		SURF. EL.	**~946'**
GROUNDWATER DEPTH		DATE STARTED	**9/8/08**
WHILE DRILLING	**~7'**	DATE COMPLETED	**9/8/08**
GENERAL BORING LOCATION	**In parking lot, east of building**		

LOGGED BY	**Matt Hoskins**	**SHEET**	**1 OF 1**
DRILL RIG	**Ingersoll Rand A300**		

DEPTH (feet)	SAMPLE DEPTH (feet)	SAMPLE NO.	Rec	DESCRIPTION OF MATERIAL (Photo-ionization device readings in ppm)
				Gravelly with sand, grey, dry
	0.0 - 4.0		**36"/48"**	gravelly clayey sand, brown to dark brown, moist (2.1)
5.0				silty gravelly sand, brown, wet (0.0)
	4.0 - 8.0	**SB 4 4-6'**	**24"/48"**	
				grades to
				clayey gravelly sand, brown and dark brown wet (0.0)
10.0	**8.0 - 12.0**	**SB 4 10-12'**	**28/48"**	
				grades to
	12.0-16.0		**20"/48"**	
15.0				sandy gravel, brown to grey brown, wet (0.0)
				Total Depth of boring 16.0 feet
				No blow counts recorded

SOIL BORING LOG
The Palmerton Group

PROJECT	**124 Victory Highway**		
		HOLE NO.	**SB-5**
LOCATION	**Painted Post, NY**	JOB NUMBER:	
		SURF. EL.	**~946'**
GROUNDWATER DEPTH		DATE STARTED	**9/9/08**
WHILE DRILLING	**~10.5'**	DATE COMPLETED	**9/9/08**
GENERAL BORING LOCATION	**In parking lot, north of building**		

LOGGED BY	**Matt Hoskins**	**SHEET**	**1 OF 1**
DRILL RIG	**Ingersoll Rand A300**		

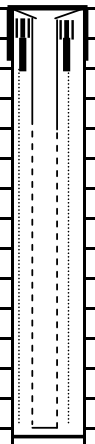
DEPTH (feet)	SAMPLE DEPTH (feet)	SAMPLE NO.	Rec	DESCRIPTION OF MATERIAL (Photo-ionization device readings in ppm)
				Gravelly sand, bown and grey-borwn, dry (0.0)
	0.0 - 4.0		**28"/48"**	
5.0				silty clay, brown, moist (0.7)
	4.0 - 8.0	**SB 5 4'-6'**	**23"/48"**	clayey silty sand with gravels brown, moist (0.9)
10.0	**8.0 - 12.0**		**46"/48"**	sandy clayey gravel, brown, wet
15.0				
				Total Depth of boring 12.0 feet
				No blow counts recorded

TEST BORING AND MONITORING WELL LOG
The Palmerton Group, LLC.

PROJECT	**124 Victory Highway**		
		HOLE NO.	**MW1**
LOCATION	**Painted Post, NY**	JOB NUMBER:	
		SURF. EL.	**~946'**
GROUNDWATER DEPTH		DATE STARTED	**5/3/07**
WHILE DRILLING	**~4'**	DATE COMPLETED	**5/3/07**
GENERAL BORING LOCATION	**In the former UST excavation**		

LOGGED BY	**Matt Hoskins**	**SHEET 1 OF 1**
DRILL RIG	**CME 75**	

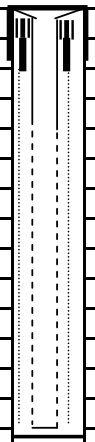
DEPTH (feet)	SAMPLE DEPTH (feet)	SAMPLE NO.	Rec	Well Construction Diagram	DESCRIPTION OF MATERIAL (Photo-ionization device readings in ppm)
					Gravelly sand, grey, slightly moist
	0.0 - 4.0	**1**	**15"/**		silty sandy clay with gravel, brown, moist
			48"		(0.0 ppm)
5.0					
	4.0 - 8.0	**2**	**5"/**		sandy gravel with large rock fragments brown, wet (0.0 ppm)
			48"		
					sand with gravel, brown, wet (0.0 ppm)
10.0	**8.0 - 12.0**	**3**	**9"/**		
			48"		*grades to* gravel with sand, dark greyish brown, wet (0.0 ppm)
	12.0-14.0	**4**			
15.0					
					Total Depth of boring 14.0 feet Advanced 4 1/4-inch hollow-stem auger to a total depth of 14 feet before installing the 2-inch diameter well.
					Well materials
					Flush mount road box Cement Bentonite Sand 2-inch diameter Riser pipe 2-inch diameter Well screen
					No blow counts recorded



TEST BORING AND MONITORING WELL LOG
The Palmerton Group, LLC.

PROJECT	**124 Victory Highway**		
		HOLE NO.	**MW2**
LOCATION	**Painted Post, NY**	JOB NUMBER:	
		SURF. EL.	**~946'**
GROUNDWATER DEPTH		DATE STARTED	**5/3/07**
WHILE DRILLING	**~5'**	DATE COMPLETED	**5/3/07**
GENERAL BORING LOCATION	**East of the former UST excavation**		

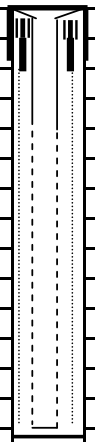
LOGGED BY	**Matt Hoskins**	**SHEET 1 OF 1**
DRILL RIG	**CME 75**	

DEPTH (feet)	SAMPLE DEPTH (feet)	SAMPLE NO.	Rec	Well Construction Diagram	DESCRIPTION OF MATERIAL (Photo-ionization device readings in ppm)
					4" asphaltic concrete
					gravelly sand, grey, slightly moist
	0.0 - 4.0	**1**	**31"/**		clayey silt, light brown, moist (0.0 ppm)
			48"		sandy gravelly clay, brown
5.0					slightly moist (0.0 ppm)
					clayey gravel, dark brown, slightly moist
	4.0 - 8.0	**2**	**20"/**		sand with gravel, grey-brown, wet (0.0 ppm)
			48"		
10.0	**8.0 - 12.0**	**3**	**20"/**		
			48"		sandy gravel, brown, wet (0.0 ppm)
	12.0-14.0	**4**	**16"/**		
			24"		
15.0					
					Total Depth of boring 14.0 feet
					Advanced 4 1/4-inch hollow-stem auger to a total depth
					of 14 feet before installing the 2-inch diameter well.
					Well materials
					Flush mount road box
					Cement
					Bentonite
					Sand
					2-inch diameter Riser pipe
					2-inch diameter Well screen
					No blow counts recorded

TEST BORING AND MONITORING WELL LOG
The Palmerton Group, LLC.

PROJECT	**124 Victory Highway**		
		HOLE NO.	**MW3**
LOCATION	**Painted Post, NY**	JOB NUMBER:	
		SURF. EL.	**~946'**
GROUNDWATER DEPTH		DATE STARTED	**5/3/07**
WHILE DRILLING	**~4'**	DATE COMPLETED	**5/3/07**
GENERAL BORING LOCATION	**North of the former UST excavation**		

LOGGED BY	**Matt Hoskins**	**SHEET 1 OF 1**
DRILL RIG	**CME 75**	

DEPTH (feet)	SAMPLE DEPTH (feet)	SAMPLE NO.	Rec	Well Construction Diagram	DESCRIPTION OF MATERIAL (Photo-ionization device readings in ppm)
					sandy gravel, grey, dry to moist (0.0 ppm)
	0.0 - 4.0	**1**	**16"/**		silty sand, brown, moist to wet
			48"		
5.0					coarse sand, brown, wet (0.0 ppm)
	4.0 - 8.0	**2**	**20"/**		sand with gravel, grey-brown, wet (0.0 ppm)
			48"		
10.0	**8.0 - 12.0**	**3**	**18"/**		silty sandy gravel, brown to light brown, wet (0.0 ppm)
			48"		
	12.0-14.0	**4**	**12"/**		
			24"		
15.0					
					Total Depth of boring 14.0 feet
					Advanced 4 1/4-inch hollow-stem auger to a total depth of 14 feet before installing the 2-inch diameter well.
					Well materials
					Flush mount road box
					Cement
					Bentonite
					Sand
					2-inch diameter Riser pipe
					2-inch diameter Well screen
					No blow counts recorded

TEST BORING AND MONITORING WELL LOG
The Palmerton Group, LLC.

PROJECT	**124 Victory Highway**		
		HOLE NO.	**MW4**
LOCATION	**Painted Post, NY**	JOB NUMBER:	
		SURF. EL.	**~946'**
GROUNDWATER DEPTH		DATE STARTED	**5/4/07**
WHILE DRILLING	**~4.5'**	DATE COMPLETED	**5/4/07**
GENERAL BORING LOCATION	**South of the former UST excavation**		

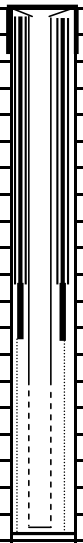
LOGGED BY	**Matt Hoskins**	**SHEET 1 OF 1**
DRILL RIG	**CME 75**	

DEPTH (feet)	SAMPLE DEPTH (feet)	SAMPLE NO.	Rec	Well Construction Diagram	DESCRIPTION OF MATERIAL (Photo-ionization device readings in ppm)
					silty sand with gravel, grey, moist (0.0 ppm)
					clayey sand with gravel, light brown, moist
	0.0 - 4.0	**1**	**17"/**		
			48"		
5.0					gravel with sand, dark brown, moist (0.0 ppm)
					sand with clay, brown, wet
	4.0 - 8.0	**2**	**8"/**		
			48"		
10.0	**8.0 - 12.0**	**3**	**24"/**		sandy gravel, brown, wet (0.0 ppm)
			48"		
	12.0-14.0	**4**	**16"/**		
			24"		
15.0					
					Total Depth of boring 14.0 feet
					Advanced 4 1/4-inch hollow-stem auger to a total depth of 14 feet before installing the 2-inch diameter well.
					Well materials
					Flush mount road box
					Cement
					Bentonite
					Sand
					2-inch diameter Riser pipe
					2-inch diameter Well screen
					No blow counts recorded

TEST BORING AND MONITORING WELL LOG
The Palmerton Group, LLC.

PROJECT	**124 Victory Highway**		
		HOLE NO.	**MW5**
LOCATION	**Painted Post, NY**	JOB NUMBER:	
		SURF. EL.	**~946'**
GROUNDWATER DEPTH		DATE STARTED	**9/8/08**
WHILE DRILLING	**~7'**	DATE COMPLETED	**9/8/08**
GENERAL BORING LOCATION	**In former UST excavation**		
LOGGED BY	**Matt Hoskins**	**SHEET**	**1 OF 1**
DRILL RIG	**Ingersoll Rand A300**		

DEPTH (feet)	SAMPLE DEPTH (feet)	SAMPLE NO.	Rec	Well Construction Diagram	DESCRIPTION OF MATERIAL (Photo-ionization device readings in ppm)
					silty sand, brown, slightly moist (0.0)
	0.0 - 4.0		**24"/**		sandy gravel, dark brown, slightly moist (0.0)
			48"		silty clay with gravel, brown, slightly moist (0.0)
5.0					
	4.0 - 8.0	**MW5**			sandy silt, brown and grey with some black moist (3.1)
		4'-6'			
10.0	**8.0 - 12.0**				gravelly sand, brown, wet (0.0)
	12.0-16.0				coarse sand, brown and grey, wet (0.0)
15.0					
	16.0-20.0				sandy gravel, brown, wet (0.0)
20.0					
					Total Depth of boring 20.0 feet Advanced 4 1/4-inch hollow-stem auger to a total depth of 20 feet before installing the 2-inch diameter well. **Well materials** Flush mount road box Cement Bentonite Sand 2-inch diameter Riser pipe 2-inch diameter Well screen No blow counts recorded



APPENDIX D

Analytical Summary Tables from May 2007 Sampling

Table 1
Soils
Volatile Organic Compounds (µg/kg)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Values[1] (µg/kg or ppb)			NYSDEC 6NYCCR Part 375 Values (µg/kg or ppb) Unrestricted Soil Use	NYSDEC 6NYCCR Part 375 Values (µg/kg or ppb) Restricted Soil Use		MW-1 0-4 feet	MW-1 4-8 feet	MW-2 0-4 feet	MW-2D Duplicate of MW-2 0-4 feet	MW-2 4-8 feet	MW-3 0-4 feet	MW-3 4-8 feet	MW-4 0-4 feet	MW-4 4-8 feet	Sediment Sample* (DRAINAGE CH)	Sewer Line Bedding (SLB)	Surface Soil Sample (SURFACE)
	Allowable Soil Conc.	Soil Cleanup to Protect GW	Recommended Soil Cleanup Objective[2]	Protection of Public Health	Restricted - Commercial	Restricted - Industrial												
Acetone	1.1	110	200	50	500,000	1,000,000	ND	3.6J[3]	ND	3.4J[3]	ND	ND	ND	ND	ND	ND	ND	2.9J[3]
Chlorobenzene	17	1700	1700	1100	500,000	1,000,000	ND	3.6J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	0.61J	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	79	7900	7900	1100	500,000	1,000,000	3.7J	23	ND	ND	ND	ND	ND	1.4J	ND	ND	ND	210
1,3-Dichlorobenzene	15.5	1550	1600	2400	280,000	560,000	ND	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.1
1,4-Dichlorobenzene	85	8500	8500	1800	130,000	250,000	0.49J	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	42
CIS-1,2-Dichloroethene	1	100	100	250	500,000	1,000,000	ND	3.0J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	4.8J	ND	ND	ND	ND	ND	ND
Methylene chloride	1	100	100	50	500,000	1,000,000	4.2J[3]	3.9J[3]	4.3J[3]	4.9J[3]	0.43JB[3]	ND	4.7J[3]	ND	ND	4.4J[3]	ND	0.43JB[3]
Tetrachloroethene	14	1400	1400	750	25,000	51,000	ND	1.8J	ND	ND	ND	ND	ND	ND	ND	1.5J	ND	0.43J
Toluene	15	1500	1500	750	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33J
1,2,4-Trichlorobenzene	34	3400	3400	0	190,000	380,000	ND	3.2J	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6J
Trichloroethene	7	700	700	470	200,000	400,000	ND	0.55J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Totals	<10000			NA	NA	NA	8.39	74.65	4.3	8.3	0.43	5.41	4.7	1.4	ND	5.9	ND	269.29

[1] NYSDEC TAGM 4046 Allowable Soil Concentration / Soil Cleanup Objectives to Protect Groundwater / Recommended Soil Cleanup Objective and STARS Memo

[2] As per TAGM 4046, Total VOCs <10,000 ppb, Total SVOCs <500,000 ppb, and Indiviual SVOCs <50,000 ppb

[3] Suspected lab or equipment contamination

J – Indicates an estimated value

ND – Not detected above detection limits

NA – Not available

Units = µg/kg

– Concentration above recommended soil clean up objective (No concentrations exceeded levels)

Table 2
Soils
Semi Volatile Organic Compounds (µg/kg)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Values[1] (µg/kg or ppb)			NYSDEC 6NYCCR Part 375 Values (µg/kg or ppb)	NYSDEC 6NYCCR Part 375 Values (µg/kg or ppb)		MW-1	MW-1	MW-2	MW-2D	MW-2	MW-3	MW-3	MW-4	MW-4	Sediment Sample*	Sewer Line	Surface Soil
				Unrestricted Soil Use Cleanup	Restricted Soil Use													
	Allowable Soil Conc.	Soil Cleanup to Protect GW	Recommended Soil Cleanup Objective[2]	Protection of Public Health	Restricted - Commercial	Restricted - Industrial	0-4 feet	4-8 feet	0-4 feet	Duplicate of MW-2 0-4 feet	4-8 feet	0-4 feet	4-8 feet	0-4 feet	4-8 feet	(DRAINAGE CH)	**Bedding** (SLB)	**Sample** (SURFACE)
Anthracene	700	700000	50000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	7200J	ND	ND
Benzo (A) Anthracene	30	3000	224 or MDL	1,000	5,600	11,000	130J	54J	110J	190J	33J	110J	ND	67J	ND	35000J	ND	ND
Benzo (A) Pyrene	110	11000	61 or MDL	1,000	1,000	1,100	140J	64J	140J	260J	28J	120J	ND	78J	ND	41000J	ND	ND
Benzo (B) Flouranthene	11	1100	1100	1,000	6,000	11,000	160J	62J	140J	250J	38J	120J	ND	76J	ND	40000J	ND	ND
Benzo (G,H,I) Perylene	8000	800000	50000	100,000	500,000	1,000,000	140J	77J	180J	260J	28J	140J	ND	72J	ND	37000J	ND	ND
Benzo (K) Flouranthene	11	1100	1100	1,700	56,000	110,000	130J	59J	130J	220J	30J	140J	ND	72J	ND	39000J	ND	ND
Bis (2-Ethylhexyl) Phthalate	4350	435000	50000	NA	NA	NA	ND	98J[3]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	6400J	ND	ND
Chrysene	4	400	400	590	56,000	110,000	180J	72J	140J	250J	48J	150J	ND	85J	ND	47000	ND	ND
Dibenzo (A,H) Anthracene	$1.65x10^6$	$1.65x10^8$	14 or MDL	330	560	1,100	42J	ND	34J	58J	ND	34J	ND	ND	ND	10000J	ND	ND
Di-N-Butylephthalate	81	8100	8100	NA	NA	NA	ND	ND	32J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate	1200	120000	50000	NA	NA	NA	52J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	19000	$1.9x10^6$	50000	100,000	500,000	1,000,000	330J	140J	200J	350J	110J	240J	ND	160J	ND	**100000**	ND	ND
Indeno (1,2,3-CD) Pyrene	32	3200	3200	500	5,600	11,000	120J	56J	130J	200J	23J	110J	ND	61J	ND	32000J	ND	ND
Naphthalene	130	13000	13000	12,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5J
Phenanthrene	2200	220000	50000	100,000	500,000	1,000,000	140J	73J	40J	66J	36J	80J	ND	44J	ND	48000	ND	ND
Pyrene	6650	665000	50000	100,000	500,000	1,000,000	240J	110J	170J	260J	84J	ND	ND	110J	ND	**65000**	ND	ND
Totals	<500,000				NA	NA	1804	865	1446	2364	458	1244	ND	825	ND	497600	ND	ND

[1] NYSDEC TAGM 4046 Allowable Soil Concentration / Soil Cleanup Objectives to Protect Groundwater / Recommended Soil Cleanup Objective and STARS Memo
[2] As per TAGM 4046, Total VOCs <10,000 ppb, Total SVOCs <500,000 ppb, and Indiviual SVOCs <50,000 ppb
[3] Suspect lab contamination
J – Indicates an estimated value
MDL – 370 ppb
NA – Not available
ND – Not detected above detection limits
Units – µg/kg
– Concentration above recommended soil clean up objective
Bold – Concentration greater than 50,000 ppb
* – Analytical dilution 100x

Table 3
Soil
Volatile Organic Compounds - Tentitively Identified Compounds (TICs)
124 Victory Highway
Painted Post, New York

Compound	MW-1 0-4 feet	MW-1 4-8 feet	MW-2 0-4 feet	MW-2D 0-4 feet	MW-2 4-8 feet	MW-3 0-4 feet	MW-3 4-8 feet	MW-4 0-4 feet	MW-4 4-8 feet	Drainage CH	Surface	Surface RE	Sewer Line Bedding (SLB)
Decane,	NF	13J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon	NF	8J	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
unknown hydrocarbon	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	5J	NF	NF

NF - Not found
Unit = µg/Kg

Table 4
Soil
Semi-Volatile Organic Compounds - Tentitively Identified Compounds (TICs)
124 Victory Highway
Painted Post, New York

Compound	MW-1 0-4 feet	MW-1 4-8 feet	MW-2 0-4 feet	MW-2D 0-4 feet	MW-2 4-8 feet	MW-3 0-4 feet	MW-3 4-8 feet	MW-4 0-4 feet	MW-4 4-8 feet	Drainage CH	Surface	Surface RE	Sewer Line Bedding
Benzo[e]pyrene	200JN	NF	NF	200JN	NF	NF	NF	NF	NF	37000JN	NF	NF	NF

NF - Not found
Unit = µg/Kg

Table 5
Groundwater
Volatile Organic Compounds (µg/L)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Groundwater Standard[1] (µg/L or ppb)	MW-1	MW-1[2]	MW-2	MW-2D	MW-3	MW-4
Acetone	50	3.3JB[3]	14J[3]	2.0J[3]	2.6J[3]	1.3JB[3]	1.1JB[3]
Benzene	0.7	7.3	7.8J	ND	ND	ND	ND
Cabon Disulfide	50	ND	ND	ND	0.33J	ND	ND
Chlorobenzene	5	330E	330D	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	660E	680D	0.48J	ND	ND	ND
1,3-Dichlorobenzene	5	9.6	9.6J	ND	ND	ND	ND
1,4-Dichlorobenzene	5	53	53	ND	ND	ND	ND
1,1-Dichloroethane	5	1.1J	1.6J	ND	ND	ND	ND
cis-1,2-Dichloroethene	NA	55	56	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	0.74J	ND	ND	ND	ND	ND
Ethylbenzene	5	3.5J	3.6J	ND	ND	ND	ND
Isopropylbenzene	5	0.73J	ND	ND	ND	ND	ND
MTBE	10	0.46J	ND	ND	ND	ND	ND
Methylene Chloride	5	0.68J[3]	ND	ND	ND	ND	ND
Naphthalene	10	8.2	8.0J	ND	ND	ND	ND
4-Methyl-2-Pentanone (MIBK)	NA	0.52J	ND	ND	ND	ND	ND
n-Propylbenzene	5	1.4J	1.7J	ND	ND	ND	ND
Tetrachloroethene	5	3.0J	2.6J	ND	ND	ND	ND
Toluene	5	11	11J	0.39	0.49J	ND	ND
1,2,4-Trichlorobenzene	5	1.2J	ND	ND	ND	ND	ND
Trichloroethene	5	2.7J	2.8J	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	11	12J	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	3.6J	4.0J	ND	ND	ND	ND
Vinyl Chloride	2	18	21J	ND	ND	ND	ND
Total Xylenes[3]	5	25	13J	ND	ND	ND	ND

[1] NYSDEC TAGM 4046 and NYSDEC STARS values for organics.

[2] Analytical dilution 5.00

[3] Suspected lab contamination

[4] MW-1 o-Xylene = 14 µg/L, m+p Xylene =11 µg/L, MW-12 o-Xylene = 13J µg/L, m+p Xylene =12J µg/L

ND – Not detected above detection limits

NA - Not available

– Concentration above groundwater standard

Units = µg/L

Table 6
Groundwater
Semi-Volatile Organic Compounds (µg/L)
124 Victory Highway
Painted Post, New York

Compound	NYSDEC Standard[1] (µg/L or ppb)	MW-1	MW-2	MW-2D	MW-3	MW-4
Caprolactam	NA	37	48	47	11	ND
Bis (2-Ethylhexyl) Phthalate	50	ND	0.60JB[2]	0.50JB[2]	ND	ND
Fluoranthene	50	ND	0.35J	ND	ND	ND
2-Methylnaphthalene	50	2.4J	ND	ND	ND	ND
Naphthalene	10	5.1J	ND	ND	ND	ND
Phenanthrene	50	ND	0.53J	0.46J	ND	ND
Pyrene	50	ND	0.40J	ND	ND	ND

[1] NYSDEC TAGM 4046
[2] Suspected lab contamination
NA - Not Available
ND - Not detected above detection limits
Unit = µg/L

Table 7
Groundwater
Semi-Volatile Organic Compounds - Tentitively Identified Compounds (TICs)
124 Victory Highway
Painted Post, New York

Compound	MW-1	MW-2	MW-2D	MW-3	MW-4
unknown - RT 5.12	NF	9J	NF	NF	NF
unknown - RT 5.13	NF	NF	21J	NF	NF
unknown - RT 5.14	NF	13J	NF	NF	26J
unknown - RT 31.58	NF	5J	NF	NF	NF

NF - Not found
Unit = µg/Kg

APPENDIX E

Validated Laboratory Analytical Reports for Soil, Groundwater and Soil Vapor - September 2008