Former Munsey Cleaners & Plaza Cleaners Groundwater Plume (OU-2)

NASSAU COUNTY

Port Washington, NEW YORK

SITE MANAGEMENT PLAN

NYSDEC Site Number: 130081/130108

Prepared for:

New York State Department of Environmental Conservation

Prepared by:

New York State Department of Environmental Conservation

Division of Environmental Remediation

625 Broadway, Albany, NY 12233-7015

Revisions to Final Approved Site Management Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date

AUGUST 2017

CERTIFICATION STATEMENT

I Melissa Sweet certify that I am currently a Qualified Environmental Professional as in defined in 6 NYCRR Part 375 and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Melissa Sweet QEP

8/1/17 DATE

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Nassau COUNTY

Port Washington, NEW YORK

SITE MANAGEMENT PLAN

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List of Acronyms

ASP	Analytical Services Protocol
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CAMP	Community Air Monitoring Plan
CFR	Code of Federal Regulation
CLP	Contract Laboratory Program
COC	Certificate of Completion
CO2	Carbon Dioxide
CP	Commissioner Policy
DER	Division of Environmental Remediation
EC	Engineering Control
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
HASP	Health and Safety Plan
IC	Institutional Control
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
O&M	Operation and Maintenance
OM&M	Operation, Maintenance and Monitoring
OSHA	Occupational Safety and Health Administration
OU	Operable Unit
PID	Photoionization Detector
PRP	Potentially Responsible Party
PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RP	Remedial Party
SCG	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective
SMP	Site Management Plan
SSD	Sub-slab Depressurization
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank

ES EXECUTIVE SUMMARY

The following provides a brief summary of the controls implemented for the Site, as well as the inspections, monitoring, maintenance and reporting activities required by this Site Management Plan:

Site Identification: 130081 Former Munsey Cleaners, 1029 Port Washington Blvd, Port Washington, NY

130108 Plaza Cleaners, 966 Port Washington Blvd, Port Washington, NY

Institutional Controls:	1. There are no ICs for the off-site plume.	
Engineering Controls:	1. Site Management Plan	
	2. Sub-Slab Depressurization Systems	
Inspections:		Frequency
1. Condition of Monitoring Wells		Annually
2. Condition of Sub-slab depressurization systems		5 years
Monitoring:		
1. Surface Water Points – Baxter Pond and Creek		Annually
2. All Groundwater Monitoring Wells		Annually
3. Port Washington Public Supply Wells		Annually
Maintenance:		
As required on monitoring wells		As needed
As required on Sub-slab depressurization systems		As needed
Reporting:		
1. Groundwater and Surface water Data		Annually
2. Periodic Review Report		Annually

Further descriptions of the above requirements are provided in detail in the latter sections of this Site Management Plan.

1.0 INTRODUCTION

1.1 General

This Site Management Plan (SMP) is a required element of the remedial program for the Former Munsey Cleaners/Plaza Cleaners Off-site Groundwater Plume located in Port Washington, New York (hereinafter referred to as the "Site"). The Site is currently in the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program, Site Nos. 130081/130108 OU-2 which is administered by New York State Department of Environmental Conservation (NYSDEC).

A figure showing the site location and boundaries of this site is provided in Figure 1.

After completion of the on-site remedial work, some contamination was left off-site, which is hereafter referred to as "remaining contamination". Engineering Controls (ECs) have been incorporated into the site remedy to control exposure to remaining contamination to ensure protection of public health and the environment.

This SMP was prepared to manage remaining contamination at the off-site groundwater plume. This plan has been approved by the NYSDEC, and compliance with this plan is required by the NYSDEC. This SMP may only be revised with the approval of the NYSDEC.

It is important to note that:

- Failure to comply with this SMP is also a violation of Environmental Conservation Law, 6NYCRR Part 375 and thereby subject to applicable penalties.

All reports associated with the site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State. A list of contacts for persons involved with the site is provided in Appendix A of this SMP.

This SMP was prepared by the New York State Department of Environmental Conservation in accordance with the requirements of the NYSDEC's DER-10 ("Technical Guidance for Site Investigation and Remediation"), and the guidelines provided by the NYSDEC. This SMP addresses the means for implementing the ECs for the site.

1.2 Revisions

Revisions to this plan will be proposed in writing to the NYSDEC's project manager. Revisions will be necessary upon, but not limited to, the following occurring: a change in media monitoring requirements, upgrades to or shut-down of a remedial system, or other significant change to the site conditions. The NYSDEC will provide a notice of any approved changes to the SMP, and append these notices to the SMP that is retained in its files.

1.3 Notifications

Notifications will be submitted by the remedial party to the NYSDEC, as needed, in accordance with NYSDEC's DER – 10 for the following reasons:

- 7-day advance notice of any field activity associated with the remedial program.
- Notice within 48-hours of any damage or defect to the foundation, structures or EC that reduces or has the potential to reduce the effectiveness of an EC, and likewise, any action to be taken to mitigate the damage or defect.
- Verbal notice by noon of the following day of any emergency, such as a fire; flood; or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the site, with written confirmation within 7 days that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.
- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action submitted to the NYSDEC within 45 days describing and documenting actions taken to restore the effectiveness of the ECs.

Table 1 on the following page includes contact information. The information on this table will be updated as necessary to provide accurate contact information. A full listing of site-related contact information is provided in Appendix A.

Table 1: Notifications*

Name	Contact Information
Melissa Sweet, Project Manager	518-402-9614 Melissa.sweet@dec.ny.gov
Walter Parish, NYSDEC Regional HW Engineer	516-444-0240 Walter.parish@dec.ny.gov

* Note: Notifications are subject to change and will be updated as necessary.

2.0 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

2.1 Site Location and Description

The site is located in Port Washington, Nassau County, New York (see Figure 1) in a mixed commercial/residential area. The Operable Unit 2 plume area is approximately bounded by Sandy Hollow Road to the north, Main Street to the south, Port Washington Blvd to the east, and Shore Road to the west (see Figure 2 – Site Layout Map).

2.2 Physical Setting

2.2.1 Land Use

The Operable Unit 2 plume area consists of the following: mostly residences and commercial businesses. The plume area is zoned commercial and residential.

2.2.2 Geology & Hydrogeology

The site is underlain by the Upper Glacial Aquifer made up of sand with some gravel. It is situated at an elevation of approximately 125-feet above mean sea level. Regional topography irregularly slopes towards the harbor from the higher inland areas, but gently slopes away from the site to the west and more steeply upward from the site to the east. Surface run-off is controlled by gently sloping pavement towards on-site storm drains.

Potable water in the area is supplied by the Port Washington Water District whose wells are located in the underlying Upper Glacial Aquifer. The wells are located approximately 3000 feet downgradient of the site, but have not been impacted to date by site-related contamination. Groundwater flow is to the west at a depth of 25 ft below ground surface

A geologic cross section is shown in Figure 3, 3a, 3b, and 3c. Site specific boring logs are provided in Appendix B. A groundwater contour map is shown in Figure 4a, 4b, 4c.

Groundwater elevation data is provided in Table 2. Groundwater monitoring well construction logs are provided in Appendix B.

2.3 Investigation and Remedial History

The following narrative provides a remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones for the Site. Full titles for each of the reports referenced below are provided in Section 8.0 - References.

The groundwater contamination plume originates at the Plaza Cleaners OU1 site and the Former Munsey Cleaners OU1 site and co-mingles to form one plume and extends into off-site areas. The concentrations of PCE and TCE vary spatially both horizontally and vertically, with a general trend of decreasing concentrations with increasing distance or depth from the site.

Plaza Cleaners

The Plaza Cleaners site is an active dry-cleaner that was constructed in 1964. In 1998, a Phase I Environmental Site Assessment indicated recognized environmental conditions associated with an underground storage tank (UST) on-site and the long-term operation of a dry cleaner. Tetrachloroethylene (PCE) was subsequently identified in a floor drain within the building and in sub-slab soils during a Phase II Environmental Audit. In 1998, under the oversight of the Nassau County Department of Health, approximately 103 tons of contaminated soil was excavated and disposed of off-site at a permitted disposal facility. In 1999, a further 837 tons of contaminated soil was removed and disposed of properly. An Order on Consent was negotiated between NYSDEC and the responsible party in March 2001. A soil and groundwater investigation conducted in 2003 revealed PCE in on-site groundwater and subsurface soil. A Remedial Investigation/Feasibility Study (RI/FS) was initiated by the responsible party and, in February 2007, a Remedial Action Plan/Feasibility Study (RAP/FS) plan was submitted to NYSDEC; however, in May 2007, the Consent Order was terminated by NYSDEC due to non-responsiveness.

In October 2007, the site was listed as Class 2 on the Registry for Inactive Hazardous Waste Disposal Site (i.e., State Superfund) and the completion of the RI/FS was referred to State Superfund. A Soil Vapor Extraction (SVE) system was installed at the Plaza Cleaners site by the responsible party without state oversight or approval. The system became operational in May 2012. The OU2 ROD was signed July 2012. The remedy includes the continued monitoring of the off-site groundwater and surface water and the monitoring of Soil Vapor Intrusion in properties previously identified during the Remedial Investigation.

Former Munsey Cleaners

The Former Munsey Cleaners Site is a commercial building that was constructed in 1947 and was formerly occupied by, and operated as, a dry cleaners facility until 1994. Tetrachloroethlyene (PCE) was used during dry cleaning operations and appears to have been disposed of in the basement. A soil sample taken by the NYSDEC from a basement sump during the summer of 1994 revealed contamination by the dry cleaning solvent PCE. A follow-up site inspection and sampling visit by the Nassau County Department of Health confirmed the disposal of PCE. Samples from the basement's dirt floor, floor drain and the sump were found to contain PCE as high as 2,200 parts per million (ppm). The OU1 ROD was signed in November 2005. The remedy included in the ROD was a No Further Action with the continuous operation, maintenance and monitoring of the soil vapor extraction system and sub-slab system. The OU2 ROD was signed July 2012. The remedy includes the continued monitoring of the off-site groundwater and surface water and the monitoring of Soil Vapor Intrusion in properties previously identified.

2.4 Remedial Action Objectives

The Remedial Action Objectives (RAOs) for the Site as listed in the Record of Decision dated July 2012 are as follows:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Prevent the discharge of contaminants to surface water.
- Remove the source of ground or surface water contamination.

Surface Water

RAOs for Public Health Protection

- Prevent ingestion of water impacted by contaminants.
- Prevent contact or inhalation of contaminants from impacted water bodies.
- Prevent surface water contamination which may result in fish advisories.

RAOs for Environmental Protection

- Restore surface water to ambient water quality criteria for the contaminant of concern.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

2.5 Remaining Contamination

2.5.1 Groundwater

This Site Management Plan applies to OU2 only therefore only the conditions of OU2 will be described here.

The major contaminants of concern in groundwater for this site are tetrachloroethylene (PCE) and its breakdown products trichloroethylene (TCE), and cis-1,2-dichloroethylene (DCE). The maximum concentration seen in OU2 at the most recent sampling event is 690 parts per billion (ppb) of PCE, 42 ppb of TCE, and 120 ppb of DCE.

Table 3 and Figure 5 summarize the results of all samples of groundwater that exceed the SCGs after completion of the remedial action.

2.5.2 Surface Water

The major contaminants of concern in surface water for this site are tetrachloroethylene (PCE) and its breakdown products trichloroethylene (TCE), and cis-1,2-dichloroethylene (DCE). Surface waters flow through Baxter Creek and to Baxter Pond. The maximum concentration seen in OU2 surface water at the most recent sampling event is 9ppb PCE, 0.95ppb TCE, and 1.7ppb DCE. The concentrations of contaminants have a general increasing trend as the water flows toward Baxter Pond and toward the bay.

Table 4 and Figure 6a and 6b summarize the results of all samples of surface water that exceed the SCGs after completion of the remedial action.

2.5.3 Soil Vapor

The major contaminants of concern in surface water for this site are tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Sub-slab depressurization systems have been installed at six off-site properties.

PCE, the primary contaminant present in the sub-slab vapor and indoor air samples, was detected in off-site sub-slab vapor samples at concentrations as high as 61,098 micrograms per cubic meter ug/m^3. The PCE concentration in sub-slab vapor was greater than 1,000 ug/m^3 at 14 of the 52 off-site properties where indoor air and/or sub-slab vapor samples were collected. The highest concentrations of PCE were found in sub-slab vapor samples collected from Main Street properties located between Port Washington Boulevard and North Bayles Avenue. This area of Main Street is located west of the site. The concentrations of PCE in

indoor air ranged from non-detect to 67 ug/m^3 in a sample collected on Port Washington Boulevard during the March 2008 air sampling event.

3.0 ENGINEERING CONTROL PLAN

3.1 General

Since remaining contamination exists at the off-site groundwater plume area, Engineering Controls (ECs) are required to protect human health and the environment. This EC Plan describes the procedures for the implementation and management of all ECs at the site. The EC Plan is one component of the SMP and is subject to revision by the NYSDEC.

This plan provides:

- A description of all ECs on the site;
- The basic implementation and intended role of each EC;
- A description of the controls to be evaluated during each required inspection and periodic review;
- Any other provisions necessary to identify or establish methods for implementing the ECs required by the site remedy, as determined by the NYSDEC.

3.2 Engineering Controls

3.2.1 Sub-slab Depressurization Systems;

There are six sub-slab depressurization systems installed in the OU-2 study area. These systems work to ventilate/remove the air beneath a building. It does not remediate or treat the

contamination, but does mitigate the intrusion of contaminated sub-slab soil vapor into the indoor air of the buildings where they are installed.

1000 Port Washington Blvd

11 Main Street

33 Main Street

38/40 Main Street

41 Main Street/35-37 Main Street

60/62 Main Street

Procedures for operating and maintaining the sub-slab depressurization systems are documented in the Operation and Maintenance Plan (Section 5.0 of this SMP). As built drawings are included in Appendix G – Operations and Maintenance Manual. Figure 7 shows the location of the ECs for the site.

3.2.2 Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC DER-10.

3.2.2.1 - Sub-Slab Depressurization (SSD) Systems

The active SSD systems will not be discontinued unless prior written approval is granted by the NYSDEC and the NYSDOH for each specific system. In the event that monitoring data indicates that a particular SSD system may no longer be required, a proposal to discontinue the SSD systems will be submitted by the remedial party to the NYSDEC and NYSDOH.

3.3.3.2 - Monitoring Wells

Groundwater monitoring activities will continue, as determined by the NYSDEC with consultation with NYSDOH, until residual groundwater concentrations are found to be consistently below ambient water quality standards, the site SCGs, or have become asymptotic at an acceptable level over an extended period. In the event that monitoring data indicates that monitoring for natural attenuation may no longer be required, a proposal to discontinue the groundwater monitoring activities will be submitted by the remedial party. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

4.0 MONITORING AND SAMPLING PLAN

4.1 General

This Monitoring and Sampling Plan describes the measures for evaluating the overall performance and effectiveness of the remedy. This Monitoring and Sampling Plan may only be revised with the approval of the NYSDEC. Details regarding the sampling procedures, data quality usability objectives, analytical methods, etc. for all samples collected as part of site management for the site are included in the Quality Assurance Project Plan provided in Appendix D.

This Monitoring and Sampling Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, indoor air, soil vapor, soils);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance (SCGs), particularly groundwater standards and Part 375 SCOs for soil; and
- Evaluating site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment;

To adequately address these issues, this Monitoring and Sampling Plan provides information on:

- Sampling locations, protocol and frequency;
- Information on all designed monitoring systems;
- Analytical sampling program requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and

- Annual inspection and periodic certification.

Reporting requirements are provided in Section 6.0 of this SMP.

4.2 Site – wide Inspection

Site-wide inspections will be performed annually. Modification to the frequency or duration of the inspections will require approval from the NYSDEC. Site-wide inspections will also be performed after all severe weather conditions that may affect ECs or monitoring devices. During these inspections, an inspection form will be completed as provided in Appendix F – Site Management Forms. The form will compile sufficient information to assess the following:

- An evaluation of the condition and continued effectiveness of ECs;
- General site conditions at the time of the inspection;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that site records are up to date.

Inspections of all remedial and mitigation components installed in the OU2 area will be conducted. A comprehensive site-wide inspection will be conducted and documented according to the SMP schedule, regardless of the frequency of the Periodic Review Report. The inspections will determine and document the following:

- Whether ECs continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP;
- Achievement of remedial performance criteria; and
- If site records are complete and up to date; and

Reporting requirements are outlined in Section 6.0 of this plan.

Inspections will also be performed in the event of an emergency. If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs that reduces or has the potential to reduce the effectiveness of ECs in place at the site, verbal notice to the NYSDEC must be given by noon of the following day. In addition, an inspection of the site will be conducted within 5 days of the event to verify the effectiveness of the IC/ECs implemented at the site by a qualified environmental professional, as determined by the NYSDEC. Written confirmation must be provided to the NYSDEC within 7 days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

4.3 Treatment System Monitoring and Sampling

4.3.1 Remedial and Mitigation System Monitoring

Monitoring of the sub-slab depressurization systems will be performed on a routine basis, as identified in Table 5 Remedial System Monitoring Requirements and Schedule (see below). Modification to the frequency or sampling requirements will require approval from the NYSDEC. A visual inspection of the complete system will be conducted during each monitoring event. Unscheduled inspections and/or sampling may take place when a suspected failure of the sub-slab depressurization system has been reported or an emergency occurs that is deemed likely to affect the operation of the system. Sub-slab depressurization system components to be monitored include, but are not limited to, the components included in Table 5 below.

Table 5 – Remedial System Monitoring Requirements and Schedule

Remedial System	Monitoring Parameter	Operational & Condition	Monitoring Schedule
1000 Port Washington Blvd SSDS	Vacuum Blower & Piping	Yes/No	5 years
38/40 Main St SSDS	Vacuum Blower & Piping	Yes/No	5 years
33 Main St SSDS	Vacuum Blower & Piping	Yes/No	5 years
60/62 Main St SSDS	Vacuum Blower & Piping	Yes/No	5 years
11 Main St SSDS	Vacuum Blower & Piping	Yes/No	5 years
41 Main St. SSDS	Vacuum Blower & Piping	Yes/No	5 years

A complete list of components to be inspected is provided in the Inspection Checklist, provided in Appendix F - Site Management Forms. If any equipment readings are not within their specified operation range, any equipment is observed to be malfunctioning or the system is not performing within specifications; maintenance and repair, as per the Operation and Maintenance Plan, is required immediately.

4.4 Post-Remediation Media Monitoring and Sampling

Samples shall be collected from the monitoring wells, public supply wells, and surface water on a routine basis. Sampling locations, required analytical parameters and schedule are provided in Table 6 – Remedial System Sampling Requirements and Schedule below. Modification to the frequency or sampling requirements will require approval from the NYSDEC.

Table 6 – Post Remediation Sampling Requirements and Schedule

Sampling Location	Analytical Parameters	Schedule
	VOCs (EPA Method 8260C)	
Monitoring Wells	X	Annually
Public Supply Wells (PWSH1 and 2)	X	Annually
Surface Water-Baxter Brook	X	Annually
Surface Water – Baxter Pond	X	Annually

Detailed sample collection and analytical procedures and protocols are provided in Appendix C – Field Sampling Plan and Appendix D – Quality Assurance Project Plan.

4.4.1 Groundwater Sampling

Groundwater monitoring will be performed annually to assess the performance of the remedy. Modification to the frequency or sampling requirements will require approval from the NYSDEC.

The network of monitoring wells has been installed to monitor upgradient, on-site and downgradient groundwater conditions at the site.

Table 7 summarizes the wells identification number, as well as the purpose, location, depths, diameter and screened intervals of the wells. As part of the groundwater monitoring, upgradient wells, on-site wells and downgradient wells are sampled to evaluate the effectiveness of the remedial system.

Table 7 – Monitoring Well Construction Details/Surface Water Sample Locations

Monitoring Well ID	Well Location	Coordinates (longitude/ latitude)	Well Diameter (inches)	Elevation (above mean sea level)			
				Casing	Surface	Screen Top	Screen Bottom
MW-1	Upgradient	40.8298 N 73.6841 W	2	125.39	125.88	101.99	91.99
MW-2	On-Site	40.8300 N 73.6841 W	2	124.6	124.8	105.53	90.99
MW-3	On-Site	40.8301 N 73.6841 W	2	123.56	123.78	105.86	89.3
MW-4	On-Site	40.8301 N 73.6843 W	2	123.78	124.03	105.33	87.41
MW-5	On-Site	40.8300 N 73.6844 W	2	124.01	124.34	104.93	86.8
MW-6	On-Site	40.8299 N 73.6844 W	2	125.46	126.1	106.86	87.81
MW-7	On-Site	40.8298 N 73.6844 W	2	127.55	127.82	NA	NA
PC-1A	Down-gradient	40.8343 N 73.6949 W	2	42.37	42.71	22.71	12.71
PC-1B	Down-gradient	40.8343 N 73.6949 W	2	42.37	42.71	4.71	-0.29
PC-1C	Down-gradient	40.8343 N 73.6949 W	2	42.67	42.89	-42.11	-47.11
PC-2A	Down-gradient	40.8318 N 73.6941 W	2	82.48	83.15	23.15	13.15
PC-2B	Down-gradient	40.8318 N 73.6941 W	2	82.63	83.15	6.15	1.15

PC-2C	Down-gradient	40.8318 N 73.6941 W	2	82.81	83.14	-6.36	-11.36
PC-3	Down-gradient	40.8327 N 73.6968 W	2	78.82	79.17	14.17	4.17
PC-4A	Down-gradient	40.8354 N 73.6869 W	2	89.17	89.79	66.79	56.79
PC-4B	Down-gradient	40.8354 N 73.6869 W	2	89.42	89.79	49.79	12.71
PC-4C	Down-gradient	40.8354 N 73.6869 W	2	89.21	89.88	31.88	26.88
PC-5B	Down-gradient	40.8338 N 73.6862 W	2	92.24	92.58	32.58	22.58
PC-5C	Down-gradient	40.8338 N 73.6862 W	2	92.14	92.42	-22.58	-27.58
PC-6A	Down-gradient	40.8352 N 73.6908 W	2	106.18	106.18	32.32	22.32
PC-6B	Down-gradient	40.8352 N 73.6908 W	2	106.00	106.36	1.36	-8.64
PC-6C	Down-gradient	40.8352 N 73.6908 W	2	106.91	107.00	-17.71	-22.71
PC-7A	Down-gradient	40.8301 N 73.6849 W	2	122.64	123.42	95.42	90.42
PC-7B	Down-gradient	40.8301 N 73.6849 W	2	123.08	123.42	54.42	49.42
PC-7C	Down-gradient	40.8301 N 73.6849 W	2	122.97	123.38	3.38	8.38
PC-8A	Down-gradient	40.8293 N 73.6864 W	2	126.18	126.73	97.73	87.73
PC-8B	Down-gradient	40.8293 N 73.6864 W	2	126.34	126.73	26.73	21.73

PC-8C	Down-gradient	40.8293 N 73.6864 W	2	126.47	126.82	-19.18	-24.18
PC-9	Down-gradient	40.8333 N 73.6991 W	2	11.42	12.48	3.48	-6.52
PC-10B	Down-gradient	40.8354 N 73.6938 W	2	84.55	84.91	14.91	4.91
PC-10C	Down-gradient	40.8354 N 73.6938 W	2	84.64	84.87	-50.13	-55.13
PC-11A	Down-gradient	40.8310 N 73.6921 W	2	85.36	85.76	35.76	25.76
PC-11B	Down-gradient	40.8310 N 73.6921 W	2	85.33	85.65	-4.35	-14.35
PC-12A	Upgradient	40.8259 N 73.6834 W	2	128.46	128.8	90.8	80.8
PC-12B	Upgradient	40.8259 N 73.6834 W	2	128.52	128.78	41.78	36.78
PC-12C	Upgradient	40.8259 N 73.6834 W	2	128.39	128.75	-4.25	-9.245
MC-3	Down-gradient	40.8316 N 73.6859 W	DESTROYED				
MC-5	Down-gradient	40.8338 N 73.6866 W	2	95.64	96.05	74.05	64.05
MC-6B	Down-gradient	40.8317 N 73.6861 W	2	115.32	115.75	50.75	45.75
MC-6C	Down-gradient	40.8317 N 73.6861 W	2	115.33	115.75	30.75	25.75
MC-7A	Down-gradient	40.8300 N 73.6866 W	2	119.74	120.18	80.18	70.18
MC-7B	Down-gradient	40.8300 N 73.6866 W	2	119.67	120.18	56.18	51.18

MC-7C	Down-gradient	40.8300 N 73.6866 W	2	119.66	120.18	35.18	30.18
MC-8A	Down-gradient	40.8322 N 73.6873 W	2	122.74	122.92	75.92	65.92
MC-8B	Down-gradient	40.8322 N 73.6873 W	2	122.48	122.92	47.92	42.92
MC-8C	Down-gradient	40.8322 N 73.6873 W	2	122.64	122.92	37.92	32.92
MC-9A	Down-gradient	40.8315 N 73.6899 W	2	105.85	106.43	68.43	58.43
MC-9B	Down-gradient	40.8315 N 73.6899 W	2	105.95	106.43	49.43	44.43
MC-9C	Down-gradient	40.8315 N 73.6899 W	2	105.82	106.43	38.43	33.43
MC-10A	Down-gradient	40.8324 N 73.8324 W	INACCESSIBLE				
MC-10B	Down-gradient	40.8324 N 73.8324 W	INACCESSIBLE				
MC-10C	Down-gradient	40.8324 N 73.8324 W	INACCESSIBLE				
MC-11A	Down-gradient	40.8343 N 73.6929 W	2	99.39	99.88	26.88	16.88
MC-11B	Down-gradient	40.8343 N 73.6929 W	2	99.46	99.88	1.88	-3.12
MC-11C	Down-gradient	40.8343 N 73.6929 W	2	99.18	99.88	-23.12	-28.12
MC-12B	Down-gradient	40.8325 N 73.6924 W	2	41.68	40.19	-21.81	-26.81
MC-12C	Down-gradient	40.8325 N 73.6924 W	2	41.86	40.19	-54.81	-59.81

PWSH-1	Down-gradient	Details Unavailable					
PWSH-2	Down-gradient	Details Unavailable					
MC-SFC-01	Down-gradient	40.8341 N 73.6860 W	NA	NA	70.89	NA	NA
MC-SFC-02	Down-gradient	40.8346 N 73.6876 W	NA	NA	67.05	NA	NA
MC-SFC-03	Down-gradient	40.8321 N 73.6924 W	NA	NA	31.56	NA	NA
MC-SFC-04	Down-gradient	40.8337 N 73.6961 W	NA	NA	9.09	NA	NA
MC-BAX-1	Down-gradient		NA	NA		NA	NA
MC-BAX-2	Down-gradient		NA	NA		NA	NA
MC-BAX-3	Down-gradient		NA	NA		NA	NA

Monitoring well construction logs are included in Appendix B of this document.

If biofouling or silt accumulation occurs in the on-site and/or off-site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced, if an event renders the wells unusable.

Repairs and/or replacement of wells in the monitoring well network will be performed based on assessments of structural integrity and overall performance.

The NYSDEC will be notified prior to any repair or decommissioning of any monitoring well for the purpose of replacement, and the repair or decommissioning and replacement process will be documented in the subsequent Periodic Review Report. Well

decommissioning without replacement will be done only with the prior approval of the NYSDEC. Well abandonment will be performed in accordance with NYSDEC's guidance entitled "CP-43: Groundwater Monitoring Well Decommissioning Procedures." Monitoring wells that are decommissioned because they have been rendered unusable will be replaced in kind in the nearest available location, unless otherwise approved by the NYSDEC.

The sampling frequency may only be modified with the approval of the NYSDEC. This SMP will be modified to reflect changes in sampling plans approved by the NYSDEC.

Deliverables for the groundwater monitoring program are specified in Section 6.0 – Reporting Requirements.

4.4.2 Surface Water Sampling

Surface water sampling will be performed annually to assess the performance of the remedy. Modification to the frequency or sampling requirements will require approval from the NYSDEC.

The network of off-site surface water sample locations has been designed based on the following criteria:

- Assess the contamination in Baxter Brook per the ROD;
- Assess the contamination in Baxter Pond per the ROD.

The sampling frequency may only be modified with the approval of the NYSDEC. This SMP will be modified to reflect changes in sampling plans approved by the NYSDEC.

Deliverables for the surface water sampling program are specified in Section 7.0 – Reporting Requirements.

4.4.3 Soil Vapor Intrusion Sampling

Soil vapor intrusion sampling will be performed to assess the performance of the remedy prior to shutdown of the SSDSs. Modification to the sampling requirements will require approval from the NYSDEC.

This SMP will be modified to reflect changes in sampling plans approved by the NYSDEC.

Deliverables for the soil vapor intrusion sampling program are specified in Section 6.0 – Reporting Requirements.

4.4.4 Monitoring and Sampling Protocol

All sampling activities will be recorded in a field book and associated sampling log as provided in Appendix F - Site Management Forms. Other observations (e.g., groundwater monitoring well integrity, etc.) will be noted on the sampling log. The sampling log will serve as the inspection form for the monitoring network. Additional detail regarding monitoring and sampling protocols are provided in the site-specific Field Activities Plan provided as Appendix C of this document.

5.0 OPERATION AND MAINTENANCE PLAN

5.1 General

This Operation and Maintenance Plan provides a brief description of the measures necessary to operate, monitor and maintain the mechanical components of the remedy selected for the site. This Operation and Maintenance Plan:

- Includes the procedures necessary to allow individuals unfamiliar with the site to operate and maintain the sub-slab depressurization(SSD) systems;
- Will be updated periodically to reflect changes in site conditions or the manner in which the SSD systems are operated and maintained.

Further detail regarding the Operation and Maintenance of the SSDS's is provided in Appendix G - Operation and Maintenance Sheets. This Operation and Maintenance Plan is not to be used as a stand-alone document, but as a component document of this SMP.

5.2 Mitigation System Performance Criteria

The SSDSs are all installed in such as fashion as Radon Systems. Each of the systems is installed with 3-5 suction points in the basement connected via four-inch schedule 40 PVC piping to a RadonAway GP-501 centrifugal in-line fan (maximum vacuum of 4.2 inches of water column [inches wc] at 110 cfm). To ensure the system is operating properly, several small diameter test points were drilled at selected distances from the suction points. The vacuum at each point is then tested and should be greater than 0.004" wc. No permits are required with the SSDSs installed for Plaza/Munsey Cleaners OU-2.

5.3 Operation and Maintenance of Sub-slab Depressurization System;

The following sections provide a description of the operations and maintenance of the sub-slab depressurization systems. Cut-sheets and as-built drawings are provided in Appendix G - Operations and Maintenance Sheets.

5.3.1 System Start-Up and Testing

The system testing listed below will be conducted if, in the course of the sub-slab depressurization systems' lifetime, the systems go down or significant changes are made to the systems and the systems must be restarted.

- Testing methods:
  - Checks for leaks;
  - Checks of seals;
  - Check of backdrafts;
  - Pressure tests;
  - System balancing; and
  - Sampling.

5.3.2 Routine System Operation and Maintenance

The Sub-slab depressurization systems require minimal to no maintenance. However, they should be inspected every 5 years to ensure continued operation.

5.3.3 Non-Routine Operation and Maintenance

Table 5 provides a summary and schedule of routine maintenance.

5.3.4 System Monitoring Devices and Alarms

The sub-slab depressurization systems have manometers to indicate that the system is not operating properly. In the event that the manometer indicates the system in inoperable, applicable maintenance and repairs will be conducted, as specified in the Operation and Maintenance Sheets, and the sub-slab depressurization system will be restarted. Operational problems will be noted in the Periodic Review Report to be prepared for that reporting period.

6.0. REPORTING REQUIREMENTS

6.1 Site Management Reports

All site management inspection, maintenance and monitoring events will be recorded on the appropriate site management forms provided in Appendix F. These forms are subject to NYSDEC revision.

All applicable inspection forms and other records, including media sampling data and system maintenance reports, generated for the site during the reporting period will be provided in electronic format to the NYSDEC in accordance with the requirements of Table 8 and summarized in the Periodic Review Report.

Table 8: Schedule of Interim Monitoring/Inspection Reports

Task/Report	Reporting Frequency*
Inspection/Monitoring Report	Annually
Periodic Review Report	Annually, or as otherwise determined by the Department

* The frequency of events will be conducted as specified until otherwise approved by the NYSDEC.

All interim monitoring/inspections reports will include, at a minimum:

- Date of event or reporting period;
- Name, company, and position of person(s) conducting monitoring/inspection activities;
- Description of the activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet);

- Type of samples collected (e.g., sub-slab vapor, indoor air, outdoor air, etc);
- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation, etc.);
- Sampling results in comparison to appropriate standards/criteria;
- A figure illustrating sample type and sampling locations;
- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (to be submitted electronically in the NYSDEC-identified format);
- Any observations, conclusions, or recommendations; and
- A determination as to whether contaminant conditions have changed since the last reporting event.

Routine maintenance event reporting forms will include, at a minimum:

- Date of event;
- Name, company, and position of person(s) conducting maintenance activities;
- Description of maintenance activities performed;
- Any modifications to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and,
- Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc., (attached to the checklist/form).

Non-routine maintenance event reporting forms will include, at a minimum:

- Date of event;
- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;
- Description of non-routine activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and

- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

Data will be reported in digital format as determined by the NYSDEC. Currently, data is to be supplied electronically and submitted to the NYSDEC EQuIS™ database in accordance with the requirements found at this link http://www.dec.ny.gov/chemical/62440.html.

6.2 Periodic Review Report

A Periodic Review Report (PRR) will be prepared by the Department beginning sixteen (16) months after the Certificate of Completion is issued. After submittal of the initial Periodic Review Report, the next PRR shall be submitted annually to the Department or at another frequency as may be required by the Department. The report will be prepared in accordance with NYSDEC's DER-10 and submitted within 30 days of the end of each certification period. Media sampling results will also be incorporated into the Periodic Review Report. The report will include:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the site.
- Results of the required annual site inspections and severe condition inspections, if applicable.
- All applicable site management forms and other records generated for the site during the reporting period in the NYSDEC-approved electronic format, if not previously submitted.
- A summary of any discharge monitoring data and/or information generated during the reporting period, with comments and conclusions.
- Data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor, etc.), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends.
- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted in digital format as determined by the NYSDEC. Currently, data

is supplied electronically and submitted to the NYSDEC EQuIS™ database in accordance with the requirements found at this link: http://www.dec.ny.gov/chemical/62440.html.

- A site evaluation, which includes the following:
  - The compliance of the remedy with the requirements of the site-specific ROD;
  - The operation and the effectiveness of all treatment units, etc., including identification of any needed repairs or modifications;
  - Any new conclusions or observations regarding site contamination based on inspections or data generated by the Monitoring and Sampling Plan for the media being monitored;
  - Recommendations regarding any necessary changes to the remedy and/or Monitoring and Sampling Plan; and
  - Trends in contaminant levels in the affected media will be evaluated to determine if the remedy continues to be effective in achieving remedial goals as specified by the Decision Document.
  - The overall performance and effectiveness of the remedy.
- A performance summary for all treatment systems at the site during the calendar year, including information such as:
  - A description of breakdowns and/or repairs along with an explanation for any significant downtime;
  - A description of the resolution of performance problems;

6.2.1 Certification of Engineering Controls

Following the last inspection of the reporting period, a qualified environmental professional or Professional Engineer licensed to practice in New York State will prepare, and include in the Periodic Review Report, the following certification as per the requirements of NYSDEC DER-10:

"*For each institutional or engineering control identified for the site, I certify that all of the following statements are true:*

- *The inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;*

- *The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;*

- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*

- *Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;*

- *Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*

- *If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;*

- *Use of the site is compliant with the environmental easement;*

- *The engineering control systems are performing as designed and are effective;*

- *To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program and generally accepted engineering practices; and*

- *The information presented in this report is accurate and complete.*

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, [name], of [business address], am certifying as [Owner/Remedial Party or Owner's/Remedial Party's Designated Site Representative]

6.3 Corrective Measures Work Plan

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control, a Corrective Measures Work Plan will be submitted to the NYSDEC for approval. This plan will explain

the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the Corrective Measures Work Plan until it has been approved by the NYSDEC.

7.0 REFERENCES

Arcadis, 2012. Remedial Investigation Report. January 2012.

Envirotrac, 2016. Annual Groundwater and Surface Water Sampling. October 2016.

6NYCRR Part 375, Environmental Remediation Programs. December 14, 2006.

NYSDEC DER-10 – "Technical Guidance for Site Investigation and Remediation".

NYSDEC, 1998. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. June 1998 (April 2000 addendum).

Table 2 - PDB Deployment and Retrieval Information
Former Munsey Cleaners
1029 Port Washington Boulevard, Port Washington (Nassau Co.)
Site #130081

24" 220 ml PDB Installations - 5 foot screen zone

Well Name	Bottom of Well (ft)	Deployment Date	Retrieval Date	Deployment Depth - MP to top of PDB (ft)	Depth to Water on Date of Deployment (ft)	Depth to Water on Date of Retrival (ft)
MC-6B	67.34	10/14/14	11/5/14	63	40.87	41.02
MC-6C	85.14	10/14/14	11/5/14	81	39.70	40.32
MC-7B	69.19	10/14/14	11/5/14	65	25.06	25.16
MC-7C	87.60	10/14/14	11/5/14	84	25.05	25.14
MC-8B	79.95	10/14/14	11/5/14	76	51.23	51.35
MC-8C	89.15	10/14/14	11/5/14	86	51.37	51.52
MC-9B	60.92	10/14/14	11/5/14	57	40.33	40.46
MC-9C	69.93	10/14/14	11/6/14	66	40.23	40.35
MC-10B	43.39	10/15/14	11/5/14	39	4.77	4.85
MC-10C	61.00	10/15/14	11/5/14	57	4.19	5.72
MC-11B	101.02	10/14/14	11/5/14	97	76.51	76.77
MC-11C	125.77	10/14/14	11/5/14	123	76.23	76.49
MC-12B	66.05	(1)				
MC-12C	96.90	(1)				
PC-1B	43.12	10/15/14	11/6/14	39	27.20	26.73
PC-1C	90.10	10/15/14	11/6/14	86	24.72	24.78
PC-2B	82.80	10/15/14	11/6/14	78	64.45	64.61
PC-2C	94.12	10/15/14	11/6/14	91	64.65	64.82
PC-4B	44.52	10/15/14	11/6/14	40.5	20.59	20.64
PC-4C	62.70	10/15/14	11/6/14	59	20.40	20.46
PC-5C	120.05	10/14/14	11/5/14	116	20.75	20.89
PC-6C	128.92	10/14/14	11/6/14	124	61.19	62.68
PC-7A	32.57	10/15/14	11/6/14	29	23.97	23.98
PC-7B	73.25	10/15/14	11/6/14	70	24.42	24.42
PC-7C	119.90	10/15/14	11/6/14	116	24.10	24.60
PC-8B	105.00	10/15/14	11/5/14	100	31.79	31.90
PC-8C	147.50	10/15/14	11/5/14	143.5	31.95	32.39
PC-10C	101.95	10/15/14	11/6/14	95	47.51	13.45
PC-12B	91.30	10/15/14	11/6/14	88	27.74	28.26
PC-12C	137.96	10/15/14	11/6/14	134	28.43	28.46

48" 220 ml PDB Installations - 10 foot screen zone

Well Name	Bottom of Well (ft)	Deployment Date	Retrieval Date	Deployment Depth - MP to top of PDB (ft)	Depth to Water on Date of Deployment (ft)	Depth to Water on Date of Retrival (ft)
MC-5	30.35	10/14/14	11/5/14	25	24.11	24.19
MC-7A	49.42	10/14/14	11/5/14	43	25.14	25.23
MC-8A	56.30	10/14/14	11/5/14	53	51.48	51.61
MC-9A	47.25	10/14/14	11/5/14	42	40.28	40.40
MC-10A	18.01	10/15/14	11/6/14	10	4.68	4.76
MC-11A	83.85	10/14/14	11/5/14	77	76.45	76.70
PC-1A	29.59	10/15/14	11/6/14	27	27.20	26.73
PC-2A	70.00	10/15/14	11/6/14	65	64.32	64.48
PC-3	74.95	10/15/14	11/6/14	68	63.89	63.51
PC-4A	32.15	10/15/14	11/6/14	25	18.41	20.50
PC-5B	70.53	10/14/14	11/5/14	63	20.91	21.05
PC-6A	81.90	10/14/14	11/6/14	75	60.73	61.15
PC-6B	113.09	10/14/14	11/6/14	107	60.55	60.61
PC-8A	38.24	10/14/14	11/5/14	33	31.63	31.72
PC-9	18.75	10/15/14	11/6/14	11.50	6.78	6.61
PC-10B	80.28	10/15/14	11/6/14	73	63.38	63.48
PC-11A	59.54	10/14/14	11/5/14	53	47.39	47.47
PC-11B	101.54	10/14/14	11/5/14	94	46.35	46.50
PC-12A	48.33	10/15/14	11/6/14	41	27.31	29.91

48" 220 ml PDB Installations - 15 foot screen zone

Well Name	Bottom of Well (ft)	Deployment Date	Retrieval Date	Deployment Depth - MP to top of PDB (ft)	Depth to Water on Date of Deployment (ft)	Depth to Water on Date of Retrival (ft)
MC-3	39.56	destroyed				
MW-1	32.83	10/15/14	11/6/14	29	24.88	24.89
MW-2	35.30	10/15/14	11/6/14	29	24.11	23.67
MW-3	34.52	10/15/14	11/6/14	27	23.15	23.01
MW-4	36.45	10/15/14	11/6/14	29	23.42	23.43
MW-5	37.09	10/15/14	11/6/14	29	23.82	23.84
MW-6	37.62	10/15/14	11/6/14	30	25.20	25.19
MW-7	38.47	10/15/14	11/6/14	32	27.24	27.22

Notes:
MP - Well measuring point elevation (approximately land surface).
PDB - Passive diffusion bag.
(1) - artesian condition, sample collected from mid screen location using a weighted disposable bailer.

Table 3: Summary of Groundwater Sampling Results - MC wells
Former Munsey Cleaners
1029 Port Washington Boulevard, Port Washington (Nassau Co.)
Site #130081

		MC-3	MC-5	MC-6B	MC-6C	MC-7A	MC 7B	MC 7C	MC-8A
		-	5-Nov-14	5-Nov-14	5-Nov-14	5-Nov-14	5-Nov-14	5-Nov-14	5-Nov-14
Chemical Name	**Regulatory Limit (1)**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-TRICHLOROETHANE	**5**	**Destroyed**	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.12 U	0.060 U
1,1,2,2-TETRACHLOROETHANE	**5**		0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.32 U	0.16 U
1,1,2-TRICHLOROETHANE	**1**		0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.38 U	0.19 U
1,1-DICHLOROETHANE	**5**		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.13 U
1,1-DICHLOROETHENE	**5**		0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.18 U	0.090 U
1,2-DICHLOROETHANE	**0.6**		0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.38 U	0.19 U
1,2-DICHLOROPROPANE	**1**		0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.18 U	0.090 U
2-HEXANONE	**50**		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	0.50 U
ACETONE	**50**		11	7.0	2.7 U	19	9.0	5.4 U	14
BENZENE	**1**		0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.16 U	0.080 U
BROMODICHLOROMETHANE	**50**		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.12 U
BROMOFORM	**50**		0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.38 U	0.19 U
BROMOMETHANE	**5**		0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.36 U	0.18 U
CARBON DISULFIDE	**60**		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.13 U
CARBON TETRACHLORIDE	**5**		0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.12 U	0.060 U
CHLOROBENZENE	**5**		0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.11 U
CHLOROETHANE	**5**		0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.34 U	0.17 U
CHLOROFORM	**7**		0.080 U	0.34 J	0.080 U	0.10 J	0.080 U	0.16 U	0.080 U
CHLOROMETHANE	**5**		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
CIS-1,2-DICHLOROETHYLENE	**5**		0.18 U	0.24 J	2.1	0.18 U	0.18 U	1.3 J	0.18 U
CIS-1,3-DICHLOROPROPENE	**0.4**		0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.36 U	0.18 U
DIBROMOCHLOROMETHANE	**50**		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
DICHLOROETHYLENES	**NA**		0.29 U	0.29 U	2.1	0.29 U	0.29 U	1.3 J	0.29 U
ETHYLBENZENE	**5**		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
METHYL ETHYL KETONE	**50**		2.5 J	2.3 U	2.3 U	3.4 J	2.3 U	4.6 U	2.7 J
METHYL ISOBUTYL KETONE	**NA**		0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	2.0 U	0.99 U
METHYLENE CHLORIDE	**5**		0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.36 U	0.18 U
STYRENE	**5**		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.12 U
TETRACHLOROETHYLENE(PCE)	**5**		50	34	0.20 J	37	66	890	4.9
TOLUENE	**5**		0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.30 U	0.15 U
TRANS-1,2-DICHLOROETHENE	**5**		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.13 U
TRANS-1,3-DICHLOROPROPENE	**0.4**		0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.24 U
TRICHLOROETHYLENE (TCE)	**5**		0.37 J	0.97 J	27	0.28 J	0.26 J	2.8	0.090 U
VINYL CHLORIDE	**2**		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.28 U	0.14 U
XYLENES, TOTAL	**5**		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.13 U

Notes:
All results in ug/l.
U - Compound was not detected relative to the indicated reporting limit.
J - Estimated value.
(1) - NY TOGS Class GA Groundwater Standards.
NA - Not applicable, no criteria provided.
Result exceeds the provided regulatory limit.
Analysis conducted by TestAmerica.

Table 3: Summary of Groundwater Sampling Results - MC wells
Former Munsey Cleaners
1029 Port Washington Boulevard, Port Washington (Nassau Co.)
Site #130081

		MC-8B	MC-8C	MC-9A	MC-9B	MC-9C	MC-10A	MC-10B	MC-10C
		5-Nov-14	5-Nov-14	5-Nov-14	5-Nov-14	6-Nov-14	6-Nov-14	5-Nov-14	5-Nov-14
Chemical Name	**Regulatory Limit (1)**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-TRICHLOROETHANE	**5**	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
1,1,2,2-TETRACHLOROETHANE	**5**	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,1,2-TRICHLOROETHANE	**1**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,1-DICHLOROETHANE	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,1-DICHLOROETHENE	**5**	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,2-DICHLOROETHANE	**0.6**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,2-DICHLOROPROPANE	**1**	0.090 U	0.090 U	0.090 U	0.090 U	0.13 J	0.090 U	0.090 U	0.090 U
2-HEXANONE	**50**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ACETONE	**50**	8.4	7.8	15	2.7 U	10	2.7 U	12	2.7 U
BENZENE	**1**	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U
BROMODICHLOROMETHANE	**50**	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
BROMOFORM	**50**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
BROMOMETHANE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
CARBON DISULFIDE	**60**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
CARBON TETRACHLORIDE	**5**	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
CHLOROBENZENE	**5**	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
CHLOROETHANE	**5**	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
CHLOROFORM	**7**	0.080 U	0.080 U	0.080 U	0.10 J	0.080 U	0.080 U	0.080 U	0.080 U
CHLOROMETHANE	**5**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
CIS-1,2-DICHLOROETHYLENE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.49 J	0.18 U	0.18 U	0.18 U
CIS-1,3-DICHLOROPROPENE	**0.4**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
DIBROMOCHLOROMETHANE	**50**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
DICHLOROETHYLENES	**NA**	0.29 U	0.29 U	0.29 U	0.29 U	0.49 J	0.29 U	0.29 U	0.29 U
ETHYLBENZENE	**5**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
METHYL ETHYL KETONE	**50**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.9 J	2.3 U
METHYL ISOBUTYL KETONE	**NA**	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U
METHYLENE CHLORIDE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
STYRENE	**5**	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
TETRACHLOROETHYLENE(PCE)	**5**	18	13	0.52 J	8.7	28	0.10 U	1.0	0.31 J
TOLUENE	**5**	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
TRANS-1,2-DICHLOROETHENE	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
TRANS-1,3-DICHLOROPROPENE	**0.4**	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
TRICHLOROETHYLENE (TCE)	**5**	0.090 U	0.31 J	0.090 U	1.1	3.5	0.090 U	0.55 J	1.5
VINYL CHLORIDE	**2**	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
XYLENES, TOTAL	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Notes:
All results in ug/l.
U - Compound was not detected relative to the indicated reporting limit.
J - Estimated value.
(1) - NY TOGS Class GA Groundwater Standards.
NA - Not applicable, no criteria provided.
Result exceeds the provided regulatory limit.
Analysis conducted by TestAmerica.

Table 3: Summary of Groundwater Sampling Results - MC wells
Former Munsey Cleaners
1029 Port Washington Boulevard, Port Washington (Nassau Co.)
Site #130081

		MC-11A	MC-11B	MC-11C	MC-12B	MC-12C
		5-Nov-14	5-Nov-14	5-Nov-14	5-Nov-14	5-Nov-14
Chemical Name	**Regulatory Limit (1)**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-TRICHLOROETHANE	**5**	0.060 U	0.060 U	0.060 U	0.060 U	0.12 U
1,1,2,2-TETRACHLOROETHANE	**5**	0.16 U	0.16 U	0.16 U	0.16 U	0.32 U
1,1,2-TRICHLOROETHANE	**1**	0.19 U	0.19 U	0.19 U	0.19 U	0.38 U
1,1-DICHLOROETHANE	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U
1,1-DICHLOROETHENE	**5**	0.090 U	0.090 U	0.090 U	0.45 J	0.18 U
1,2-DICHLOROETHANE	**0.6**	0.19 U	0.19 U	0.19 U	0.19 U	0.38 U
1,2-DICHLOROPROPANE	**1**	0.090 U	0.090 U	0.090 U	0.090 U	0.18 U
2-HEXANONE	**50**	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U
ACETONE	**50**	16	2.7 U	2.7 U	2.7 U	5.4 U
BENZENE	**1**	0.080 U	0.080 U	0.080 U	0.080 U	0.16 U
BROMODICHLOROMETHANE	**50**	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U
BROMOFORM	**50**	0.19 U	0.19 U	0.19 U	0.19 U	0.38 U
BROMOMETHANE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.36 U
CARBON DISULFIDE	**60**	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U
CARBON TETRACHLORIDE	**5**	0.060 U	0.060 U	0.060 U	0.060 U	0.12 U
CHLOROBENZENE	**5**	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U
CHLOROETHANE	**5**	0.17 U	0.17 U	0.17 U	0.17 U	0.34 U
CHLOROFORM	**7**	0.080 U	0.080 U	0.080 U	0.080 U	0.16 U
CHLOROMETHANE	**5**	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U
CIS-1,2-DICHLOROETHYLENE	**5**	0.23 J	0.91 J	0.18 U	140	53
CIS-1,3-DICHLOROPROPENE	**0.4**	0.18 U	0.18 U	0.18 U	0.18 U	0.36 U
DIBROMOCHLOROMETHANE	**50**	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U
DICHLOROETHYLENES	**NA**	0.29 U	1.0 J	0.29 U	140	54
ETHYLBENZENE	**5**	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U
METHYL ETHYL KETONE	**50**	2.9 J	2.3 U	2.3 U	2.3 U	4.6 U
METHYL ISOBUTYL KETONE	**NA**	0.99 U	0.99 U	0.99 U	0.99 U	2.0 U
METHYLENE CHLORIDE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.36 U
STYRENE	**5**	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U
TETRACHLOROETHYLENE(PCE)	**5**	12	28	0.29 J	0.13 J	410
TOLUENE	**5**	0.15 U	0.15 U	0.15 U	0.15 U	0.30 U
TRANS-1,2-DICHLOROETHENE	**5**	0.13 U	0.14 J	0.13 U	0.96 J	0.91 J
TRANS-1,3-DICHLOROPROPENE	**0.4**	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U
TRICHLOROETHYLENE (TCE)	**5**	4.8	21	0.40 J	0.79 J	25
VINYL CHLORIDE	**2**	0.14 U	0.14 U	0.14 U	28	11
XYLENES, TOTAL	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U

Notes:
All results in ug/l.
U - Compound was not detected relative to the indicated reporting limit.
J - Estimated value.
(1) - NY TOGS Class GA Groundwater Standards.
NA - Not applicable, no criteria provided.
Result exceeds the provided regulatory limit.
Analysis conducted by TestAmerica.

Table 3: Summary of Groundwater Sampling Results - PC wells
Former Munsey Cleaners
1029 Port Washington Boulevard, Port Washington (Nassau Co.)
Site #130081

		PC-1A	PC-1B	PC-1C	PC-2A	PC-2B	PC-2C	PC-3	PC-4A
		6-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14
Chemical Name	**Regulatory Limit (1)**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-TRICHLOROETHANE	**5**	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
1,1,2,2-TETRACHLOROETHANE	**5**	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,1,2-TRICHLOROETHANE	**1**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,1-DICHLOROETHANE	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,1-DICHLOROETHENE	**5**	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,2-DICHLOROETHANE	**0.6**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,2-DICHLOROPROPANE	**1**	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
2-HEXANONE	**50**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ACETONE	**50**	2.7 U	2.7 U	8.4	2.7 U	2.7 U	2.7 U	10	2.7 U
BENZENE	**1**	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U
BROMODICHLOROMETHANE	**50**	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
BROMOFORM	**50**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
BROMOMETHANE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
CARBON DISULFIDE	**60**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
CARBON TETRACHLORIDE	**5**	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
CHLOROBENZENE	**5**	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
CHLOROETHANE	**5**	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
CHLOROFORM	**7**	0.71 J	0.29 J	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U
CHLOROMETHANE	**5**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
CIS-1,2-DICHLOROETHYLENE	**5**	0.18 U	0.50 J	0.18 U	0.18 U	0.18 U	1.4	0.18 U	0.18 U
CIS-1,3-DICHLOROPROPENE	**0.4**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
DIBROMOCHLOROMETHANE	**50**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
DICHLOROETHYLENES	**NA**	0.29 U	0.50 J	0.29 U	0.29 U	0.29 U	1.6 J	0.29 U	0.29 U
ETHYLBENZENE	**5**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
METHYL ETHYL KETONE	**50**	2.3 U	2.3 U	2.3 U	2.3 U	2.4 J	2.3 U	2.3 J	2.3 U
METHYL ISOBUTYL KETONE	**NA**	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U
METHYLENE CHLORIDE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
STYRENE	**5**	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
TETRACHLOROETHYLENE(PCE)	**5**	0.10 U	30	0.10 U	0.12 J	7.7	1.5	0.19 J	0.10 U
TOLUENE	**5**	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
TRANS-1,2-DICHLOROETHENE	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.15 J	0.13 U	0.13 U
TRANS-1,3-DICHLOROPROPENE	**0.4**	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
TRICHLOROETHYLENE (TCE)	**5**	0.090 U	3.3	0.090 U	0.090 U	0.22 J	2.8	0.090 U	0.090 U
VINYL CHLORIDE	**2**	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
XYLENES, TOTAL	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Notes:
All results in ug/l.
U - Compound was not detected relative to the indicated reporting limit.
J - Estimated value.
(1) - NY TOGS Class GA Groundwater Standards.
NA - Not applicable, no criteria provided.
Result exceeds the provided regulatory limit.
Analysis conducted by TestAmerica.

Table 3: Summary of Groundwater Sampling Results - PC wells
Former Munsey Cleaners
1029 Port Washington Boulevard, Port Washington (Nassau Co.)
Site #130081

		PC-4B	PC-4C	PC-5B	PC-5C	PC-6A	PC-6B	PC-6C	PC-7A
		6-Nov-14	6-Nov-14	5-Nov-14	5-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14
Chemical Name	**Regulatory Limit (1)**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-TRICHLOROETHANE	**5**	0.060 U	0.060 U	0.12 U	0.060 U	0.060 U	0.12 U	0.060 U	0.060 U
1,1,2,2-TETRACHLOROETHANE	**5**	0.16 U	0.16 U	0.32 U	0.16 U	0.16 U	0.32 U	0.16 U	0.16 U
1,1,2-TRICHLOROETHANE	**1**	0.19 U	0.19 U	0.38 U	0.19 U	0.19 U	0.38 U	0.19 U	0.19 U
1,1-DICHLOROETHANE	**5**	0.13 U	0.13 U	0.26 U	0.13 U	0.13 U	0.26 U	0.13 U	0.13 U
1,1-DICHLOROETHENE	**5**	0.090 U	0.090 U	0.18 U	0.090 U	0.090 U	0.18 U	0.090 U	0.090 U
1,2-DICHLOROETHANE	**0.6**	0.19 U	0.19 U	0.38 U	0.19 U	0.19 U	0.38 U	0.19 U	0.19 U
1,2-DICHLOROPROPANE	**1**	0.090 U	0.090 U	0.18 U	0.090 U	0.090 U	0.18 U	0.090 U	0.090 U
2-HEXANONE	**50**	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
ACETONE	**50**	2.7 U	10	5.4 U	8.2	2.7 U	5.4 U	2.7 U	2.7 U
BENZENE	**1**	0.080 U	0.080 U	0.16 U	0.080 U	0.080 U	0.16 U	0.080 U	0.080 U
BROMODICHLOROMETHANE	**50**	0.12 U	0.12 U	0.24 U	0.12 U	0.12 U	0.24 U	0.12 U	0.12 U
BROMOFORM	**50**	0.19 U	0.19 U	0.38 U	0.19 U	0.19 U	0.38 U	0.19 U	0.19 U
BROMOMETHANE	**5**	0.18 U	0.18 U	0.36 U	0.18 U	0.18 U	0.36 U	0.18 U	0.18 U
CARBON DISULFIDE	**60**	0.13 U	0.13 U	0.26 U	0.13 U	0.13 U	0.26 U	0.13 U	0.13 U
CARBON TETRACHLORIDE	**5**	0.060 U	0.060 U	0.12 U	0.060 U	0.060 U	0.12 U	0.060 U	0.060 U
CHLOROBENZENE	**5**	0.11 U	0.11 U	0.22 U	0.11 U	0.11 U	0.22 U	0.11 U	0.11 U
CHLOROETHANE	**5**	0.17 U	0.17 U	0.34 U	0.17 U	0.17 U	0.34 U	0.17 U	0.17 U
CHLOROFORM	**7**	0.080 U	0.080 U	0.16 U	0.087 J	0.080 U	0.16 U	0.080 U	0.080 U
CHLOROMETHANE	**5**	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U
CIS-1,2-DICHLOROETHYLENE	**5**	0.18 U	0.18 U	7.7	17	0.18 U	38	0.18 U	0.18 U
CIS-1,3-DICHLOROPROPENE	**0.4**	0.18 U	0.18 U	0.36 U	0.18 U	0.18 U	0.36 U	0.18 U	0.18 U
DIBROMOCHLOROMETHANE	**50**	0.20 U	0.20 U	0.40 U	0.20 U	0.20 U	0.40 U	0.20 U	0.20 U
DICHLOROETHYLENES	**NA**	0.29 U	0.29 U	7.7	17	0.29 U	39	0.29 U	0.29 U
ETHYLBENZENE	**5**	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U
METHYL ETHYL KETONE	**50**	2.3 U	2.3 U	4.6 U	2.3 U	2.3 U	4.6 U	2.3 U	2.3 U
METHYL ISOBUTYL KETONE	**NA**	0.99 U	0.99 U	2.0 U	0.99 U	0.99 U	2.0 U	0.99 U	0.99 U
METHYLENE CHLORIDE	**5**	0.18 U	0.18 U	0.36 U	0.18 U	0.18 U	0.36 U	0.18 U	0.18 U
STYRENE	**5**	0.12 U	0.12 U	0.24 U	0.12 U	0.12 U	0.24 U	0.12 U	0.12 U
TETRACHLOROETHYLENE(PCE)	**5**	0.51 J	0.10 U	340	310	0.16 J	630	0.10 U	160
TOLUENE	**5**	0.15 U	0.15 U	0.30 U	0.15 U	0.15 U	0.30 U	0.15 U	0.15 U
TRANS-1,2-DICHLOROETHENE	**5**	0.13 U	0.13 U	0.26 U	0.48 J	0.13 U	1.4 J	0.13 U	0.13 U
TRANS-1,3-DICHLOROPROPENE	**0.4**	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U	0.48 U	0.24 U	0.24 U
TRICHLOROETHYLENE (TCE)	**5**	0.090 U	0.090 U	6.9	7.7	0.090 U	45	0.090 U	0.46 J
VINYL CHLORIDE	**2**	0.14 U	0.14 U	0.28 U	0.14 U	0.14 U	0.28 U	0.14 U	0.14 U
XYLENES, TOTAL	**5**	0.13 U	0.13 U	0.26 U	0.13 U	0.13 U	0.26 U	0.13 U	0.13 U

Notes:
All results in ug/l.
U - Compound was not detected relative to the indicated reporting limit.
J - Estimated value.
(1) - NY TOGS Class GA Groundwater Standards.
NA - Not applicable, no criteria provided.
Result exceeds the provided regulatory limit.
Analysis conducted by TestAmerica.

Table 3: Summary of Groundwater Sampling Results - PC wells
Former Munsey Cleaners
1029 Port Washington Boulevard, Port Washington (Nassau Co.)
Site #130081

		PC-7B	PC-7C	PC-8A	PC-8B	PC-8C	PC-9	PC-10B	PC-10C
		6-Nov-14	6-Nov-14	5-Nov-14	5-Nov-14	5-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14
Chemical Name	**Regulatory Limit (1)**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-TRICHLOROETHANE	**5**	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
1,1,2,2-TETRACHLOROETHANE	**5**	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,1,2-TRICHLOROETHANE	**1**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,1-DICHLOROETHANE	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,1-DICHLOROETHENE	**5**	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,2-DICHLOROETHANE	**0.6**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,2-DICHLOROPROPANE	**1**	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
2-HEXANONE	**50**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ACETONE	**50**	12	2.7 U	14	7.5	10	12	31	9.3
BENZENE	**1**	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U
BROMODICHLOROMETHANE	**50**	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
BROMOFORM	**50**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
BROMOMETHANE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
CARBON DISULFIDE	**60**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
CARBON TETRACHLORIDE	**5**	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
CHLOROBENZENE	**5**	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
CHLOROETHANE	**5**	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
CHLOROFORM	**7**	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.55 J	0.080 U	0.080 U
CHLOROMETHANE	**5**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
CIS-1,2-DICHLOROETHYLENE	**5**	0.18 U	1.1	0.18 U	0.18 U	2.9	0.18 U	0.18 U	0.18 U
CIS-1,3-DICHLOROPROPENE	**0.4**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
DIBROMOCHLOROMETHANE	**50**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
DICHLOROETHYLENES	**NA**	0.29 U	1.1 J	0.29 U	0.29 U	2.9	0.29 U	0.29 U	0.29 U
ETHYLBENZENE	**5**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
METHYL ETHYL KETONE	**50**	2.7 J	2.3 U	2.6 J	2.3 U	2.3 U	2.3 U	5.7	2.3 U
METHYL ISOBUTYL KETONE	**NA**	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U
METHYLENE CHLORIDE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
STYRENE	**5**	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
TETRACHLOROETHYLENE(PCE)	**5**	41	53	2.5	39	0.10 U	0.76 J	0.10 U	0.10 U
TOLUENE	**5**	0.15 U	0.15 U	0.15 U	0.15 U	1.0	0.15 U	0.15 U	0.15 U
TRANS-1,2-DICHLOROETHENE	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
TRANS-1,3-DICHLOROPROPENE	**0.4**	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
TRICHLOROETHYLENE (TCE)	**5**	0.21 J	6.6	0.090 U	0.33 J	1.4	0.090 U	0.090 U	0.090 U
VINYL CHLORIDE	**2**	0.14 U	0.14 U	0.14 U	0.14 U	0.22 J	0.14 U	0.14 U	0.14 U
XYLENES, TOTAL	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Notes:
All results in ug/l.
U - Compound was not detected relative to the indicated reporting limit.
J - Estimated value.
(1) - NY TOGS Class GA Groundwater Standards.
NA - Not applicable, no criteria provided.
Result exceeds the provided regulatory limit.
Analysis conducted by TestAmerica.

Table 3: Summary of Groundwater Sampling Results - PC wells
Former Munsey Cleaners
1029 Port Washington Boulevard, Port Washington (Nassau Co.)
Site #130081

		PC-11A	PC-11B	PC-12A	PC-12B	PC-12C
		5-Nov-14	5-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14
Chemical Name	**Regulatory Limit (1)**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-TRICHLOROETHANE	**5**	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
1,1,2,2-TETRACHLOROETHANE	**5**	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,1,2-TRICHLOROETHANE	**1**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,1-DICHLOROETHANE	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,1-DICHLOROETHENE	**5**	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,2-DICHLOROETHANE	**0.6**	0.19 U	0.19 U	0.19 U	1.6	0.19 U
1,2-DICHLOROPROPANE	**1**	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
2-HEXANONE	**50**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ACETONE	**50**	21	11	2.7 U	2.7 U	9.4
BENZENE	**1**	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U
BROMODICHLOROMETHANE	**50**	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
BROMOFORM	**50**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
BROMOMETHANE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
CARBON DISULFIDE	**60**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
CARBON TETRACHLORIDE	**5**	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
CHLOROBENZENE	**5**	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
CHLOROETHANE	**5**	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
CHLOROFORM	**7**	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U
CHLOROMETHANE	**5**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
CIS-1,2-DICHLOROETHYLENE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
CIS-1,3-DICHLOROPROPENE	**0.4**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
DIBROMOCHLOROMETHANE	**50**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
DICHLOROETHYLENES	**NA**	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
ETHYLBENZENE	**5**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
METHYL ETHYL KETONE	**50**	3.5 J	2.3 U	2.3 U	2.3 U	2.5 J
METHYL ISOBUTYL KETONE	**NA**	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U
METHYLENE CHLORIDE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
STYRENE	**5**	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
TETRACHLOROETHYLENE(PCE)	**5**	0.35 J	0.14 J	5.6	0.19 J	2.2
TOLUENE	**5**	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
TRANS-1,2-DICHLOROETHENE	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
TRANS-1,3-DICHLOROPROPENE	**0.4**	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
TRICHLOROETHYLENE (TCE)	**5**	0.090 U	0.090 U	0.090 U	0.11 J	0.14 J
VINYL CHLORIDE	**2**	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
XYLENES, TOTAL	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Notes:
All results in ug/l.
U - Compound was not detected relative to the indicated reporting limit.
J - Estimated value.
(1) - NY TOGS Class GA Groundwater Standards.
NA - Not applicable, no criteria provided.
Result exceeds the provided regulatory limit.
Analysis conducted by TestAmerica.

Table 3: Summary of Groundwater Sampling Results - MW wells
Former Munsey Cleaners
1029 Port Washington Boulevard, Port Washington (Nassau Co.)
Site #130081

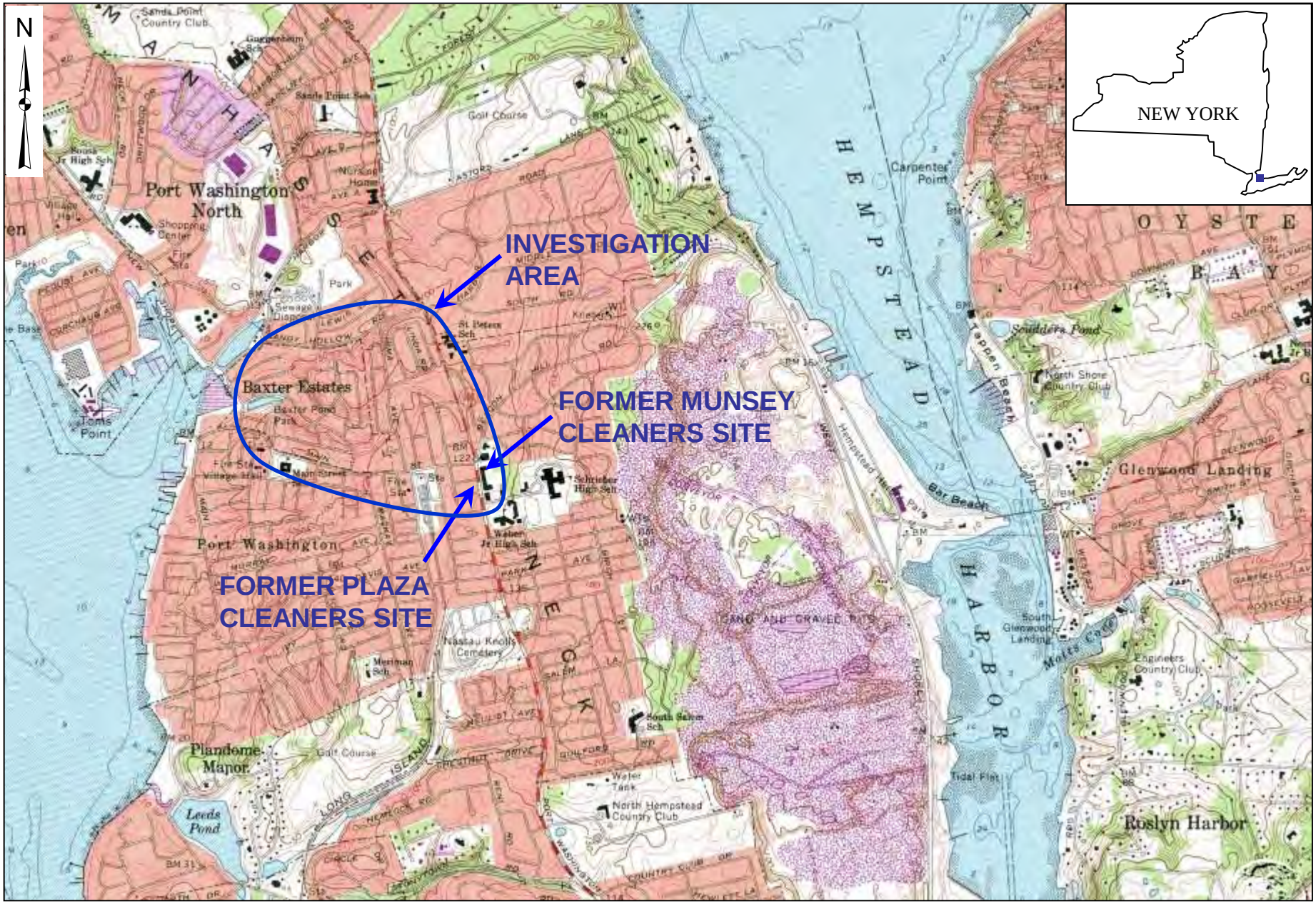
		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
		6-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14	6-Nov-14
Chemical Name	**Regulatory Limit (1)**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-TRICHLOROETHANE	**5**	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
1,1,2,2-TETRACHLOROETHANE	**5**	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,1,2-TRICHLOROETHANE	**1**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,1-DICHLOROETHANE	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,1-DICHLOROETHENE	**5**	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,2-DICHLOROETHANE	**0.6**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,2-DICHLOROPROPANE	**1**	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
2-HEXANONE	**50**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ACETONE	**50**	10	10	10	12	2.7 U	2.7 U	11
BENZENE	**1**	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U
BROMODICHLOROMETHANE	**50**	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
BROMOFORM	**50**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
BROMOMETHANE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
CARBON DISULFIDE	**60**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
CARBON TETRACHLORIDE	**5**	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
CHLOROBENZENE	**5**	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
CHLOROETHANE	**5**	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
CHLOROFORM	**7**	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U
CHLOROMETHANE	**5**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
CIS-1,2-DICHLOROETHYLENE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.26 J	0.18 U	0.39 J
CIS-1,3-DICHLOROPROPENE	**0.4**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
DIBROMOCHLOROMETHANE	**50**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
DICHLOROETHYLENES	**NA**	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.39 J
ETHYLBENZENE	**5**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
METHYL ETHYL KETONE	**50**	2.3 U	2.3 U	2.3 U	2.3 J	2.3 U	2.3 U	2.4 J
METHYL ISOBUTYL KETONE	**NA**	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U
METHYLENE CHLORIDE	**5**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
STYRENE	**5**	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
TETRACHLOROETHYLENE(PCE)	**5**	3.4	0.42 J	49	22	220	1.7	130
TOLUENE	**5**	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
TRANS-1,2-DICHLOROETHENE	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
TRANS-1,3-DICHLOROPROPENE	**0.4**	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
TRICHLOROETHYLENE (TCE)	**5**	0.090 U	0.43 J	0.33 J	0.27 J	0.65 J	0.090 U	0.31 J
VINYL CHLORIDE	**2**	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
XYLENES, TOTAL	**5**	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Notes:
All results in ug/l.
U - Compound was not detected relative to the indicated reporting limit.
J - Estimated value.
(1) - NY TOGS Class GA Groundwater Standards.
NA - Not applicable, no criteria provided.
Result exceeds the provided regulatory limit.
Analysis conducted by TestAmerica.

Table 4: Summary of Surface Water Sampling Results
Former Munsey Cleaners
1029 Port Washington Boulevard, Port Washington (Nassau Co.)
Site #130081

	MC-BAX-1	MC-BAX-2	MC-BAX-3	MC-BAX-4 (1)	MC-SFC-1	MC-SFC-2	MC-SFC-3	MC-SFC-4	MC-SFC-5 (2)	MC-SFC-6 (3)
	5-Nov-14	5-Nov-14	5-Nov-14	5-Nov-14	6-Nov-14	6-Nov-14	5-Nov-14	6-Nov-14	5-Nov-14	6-Nov-14
Chemical Name	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-TRICHLOROETHANE	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
1,1,2,2-TETRACHLOROETHANE	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,1,2-TRICHLOROETHANE	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,1-DICHLOROETHANE	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,1-DICHLOROETHENE	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,2-DICHLOROETHANE	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
1,2-DICHLOROPROPANE	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
2-HEXANONE	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ACETONE	2.7 U	2.7 U	2.7 U	2.7 U	15	14	2.7 U	12	2.7 U	15
BENZENE	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U
BROMODICHLOROMETHANE	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
BROMOFORM	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
BROMOMETHANE	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
CARBON DISULFIDE	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
CARBON TETRACHLORIDE	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
CHLOROBENZENE	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
CHLOROETHANE	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
CHLOROFORM	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U	0.080 U
CHLOROMETHANE	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
CIS-1,2-DICHLOROETHYLENE	0.18 U	0.18 U	0.41 J	0.21 J	0.78 J	0.71 J	1.5	0.94 J	1.7	0.68 J
CIS-1,3-DICHLOROPROPENE	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
DIBROMOCHLOROMETHANE	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
DICHLOROETHYLENES	0.29 U	0.29 U	0.41 J	0.29 U	0.78 J	0.71 J	1.5 J	0.94 J	1.7 J	0.68 J
ETHYLBENZENE	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
METHYL ETHYL KETONE	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
METHYL ISOBUTYL KETONE	0.99 U	0.99 U	0.99 U	0.99 U	1.7 J	0.99 U	0.99 U	0.99 U	0.99 U	1.6 J
METHYLENE CHLORIDE	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 J	0.18 U	0.18 U
STYRENE	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
TETRACHLOROETHYLENE(PCE)	2.3	2.7	3.9	2.5	1.2	0.88 J	8.7	4.3	8.1	0.72 J
TOLUENE	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
TRANS-1,2-DICHLOROETHENE	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
TRANS-1,3-DICHLOROPROPENE	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
TRICHLOROETHYLENE (TCE)	0.36 J	0.35 J	0.52 J	0.30 J	0.090 U	0.090 U	0.89 J	0.58 J	0.87 J	0.090 U
VINYL CHLORIDE	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
XYLENES, TOTAL	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Notes:
All results in ug/l.
(1) - Duplicate of MC-BAX-3.
(2) - Duplicate of MC-SFC-4.
(3) - Duplicate of MC-SFC-1.
U - Compound was not detected relative to the indicated reporting limit.
J - Estimated value.
Analysis conducted by TestAmerica.



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC SERIES, SEA CLIFF QUADRANGLE (PHOTOREVISED 1979)

APPROXIMATE SCALE: 1" = 1500'

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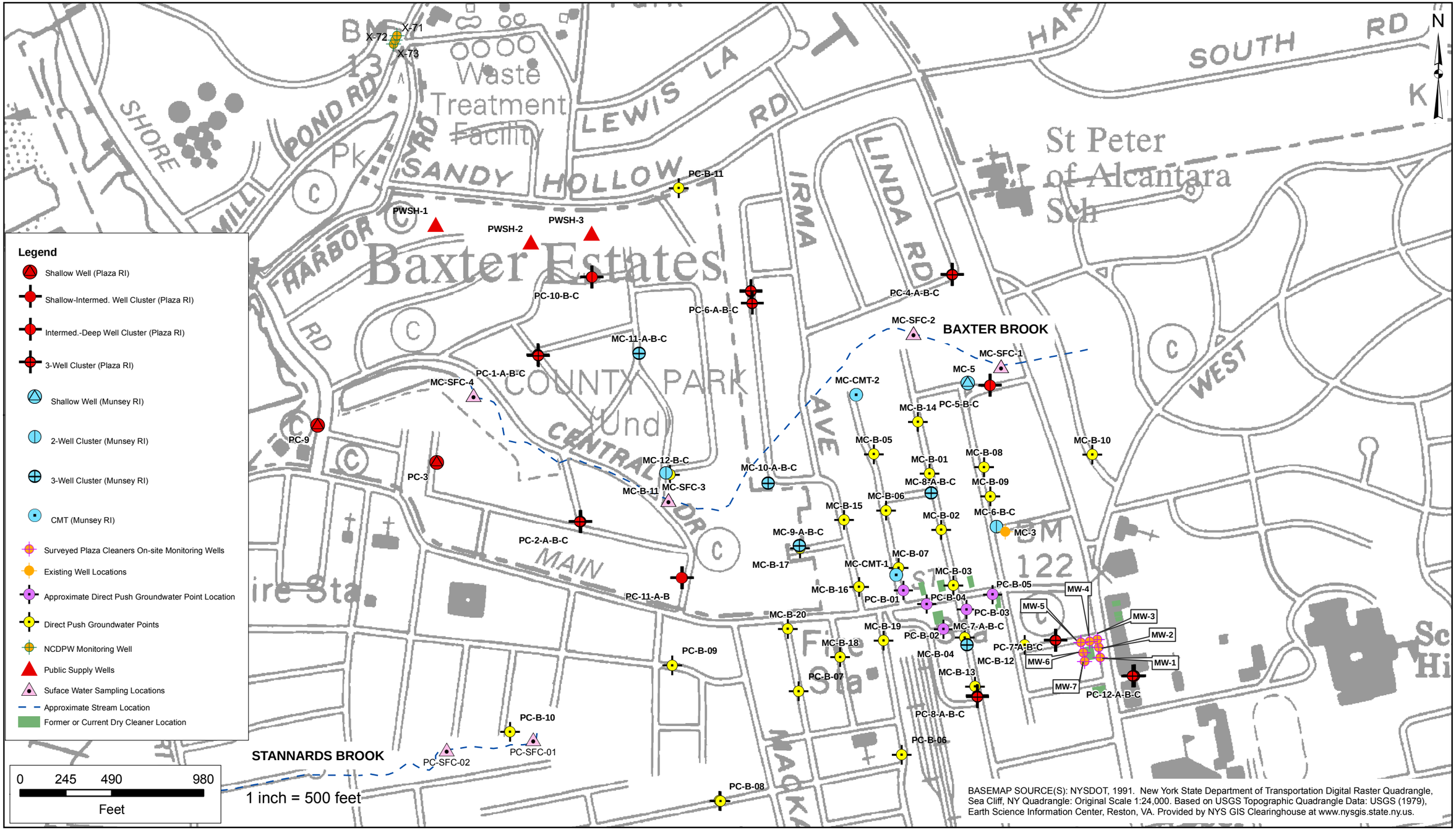
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

SITE LOCATION

AUGUST 2011

FIGURE 1



M:\GISMOD\0266380\Sampling Locations_labels_DOT_Quad2.mxd

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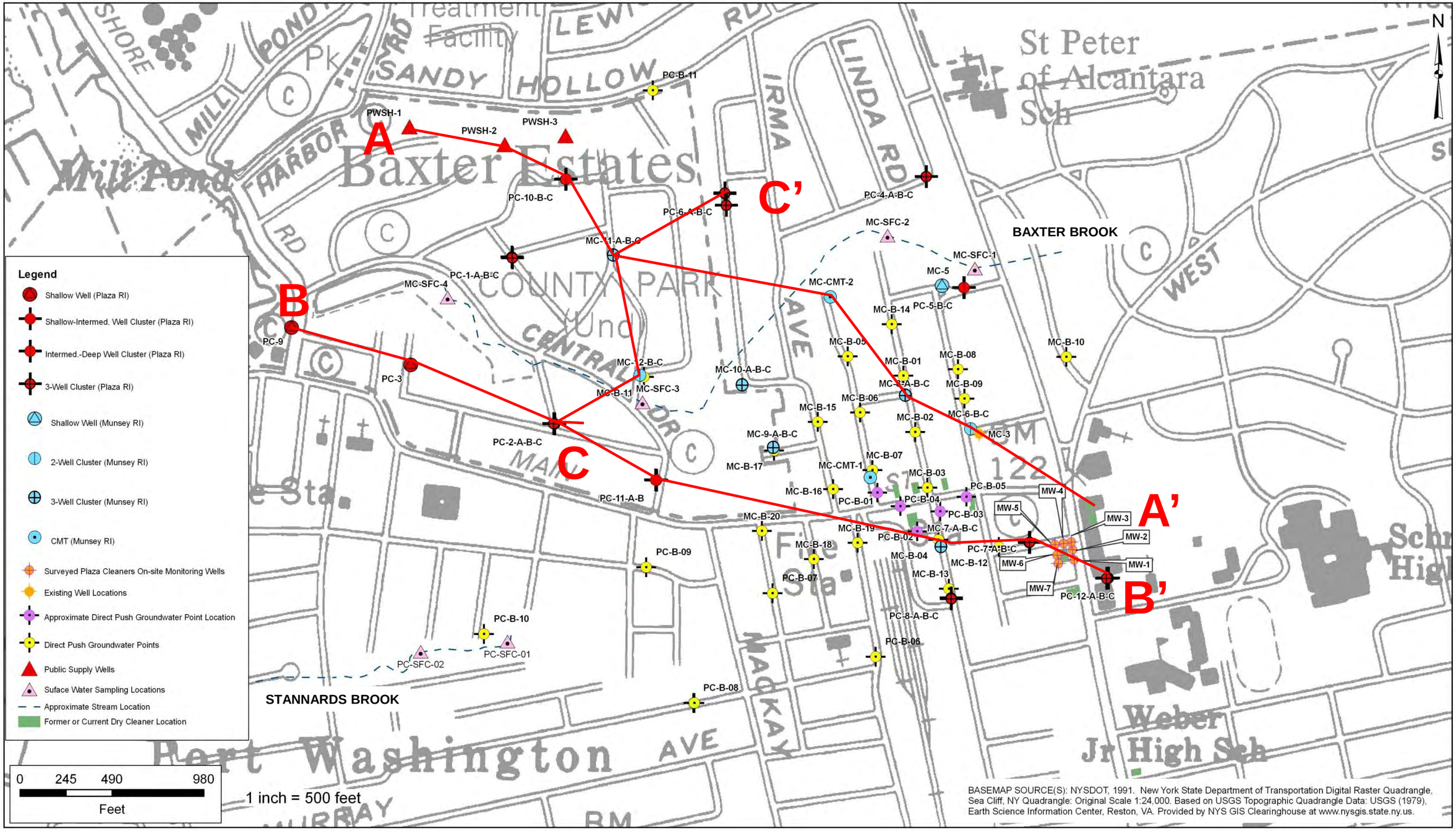
MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

GROUNDWATER AND SURFACE WATER SAMPLING LOCATIONS

AUGUST 2011

FIGURE 1



M:\GISMOD\0266380\Sampling Locations_labels_DOT_Quad2.mxd

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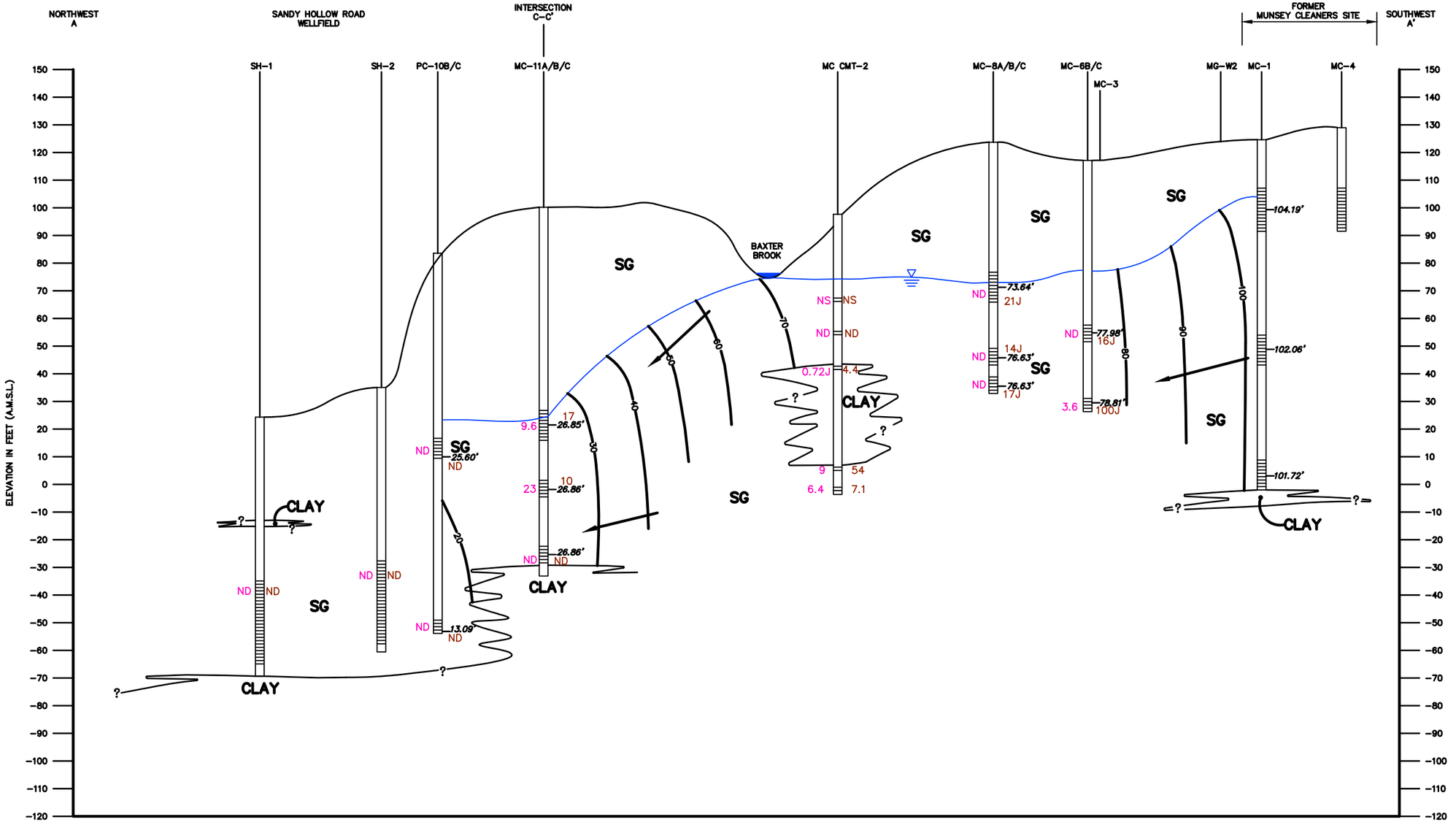
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

CROSS SECTIONS

AUGUST 2011

FIGURE 9



LEGEND

- GROUNDWATER FLOW DIRECTION
- WATER TABLE
- 30 — POTENTIOMETRIC CONTOUR
- 10 — TCE IN µg/L – (MAY 2010)
- 10 — PCE IN µg/L – (MAY 2010)
- 24.66' — GROUNDWATER LEVEL (FT. A.M.S.L.) – (APRIL 2010)
- ND — NOT DETECTED
- NS — NOT SAMPLED

10' 0 10' 20'
VERTICAL SCALE
200' 0 200' 400'
HORIZONTAL SCALE

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108
TOWN OF NORTH HEMPSTEAD, NEW YORK

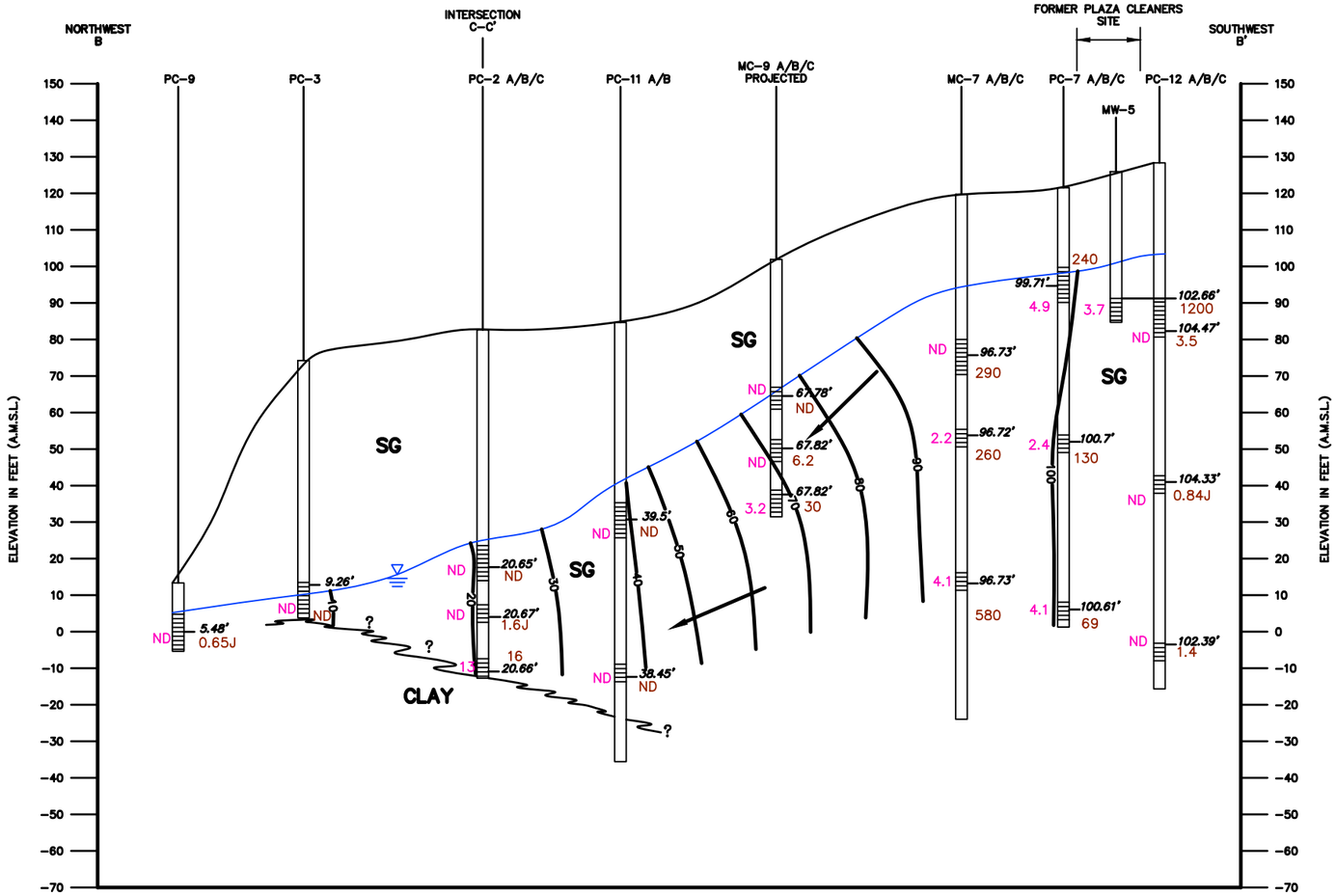
CROSS SECTION A-A' WITH 2010 DATA

SCALE: AS SHOWN

ARCADIS-US, INC.

AUGUST 2011

FIGURE 9A



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108
TOWN OF NORTH HEMPSTEAD, NEW YORK

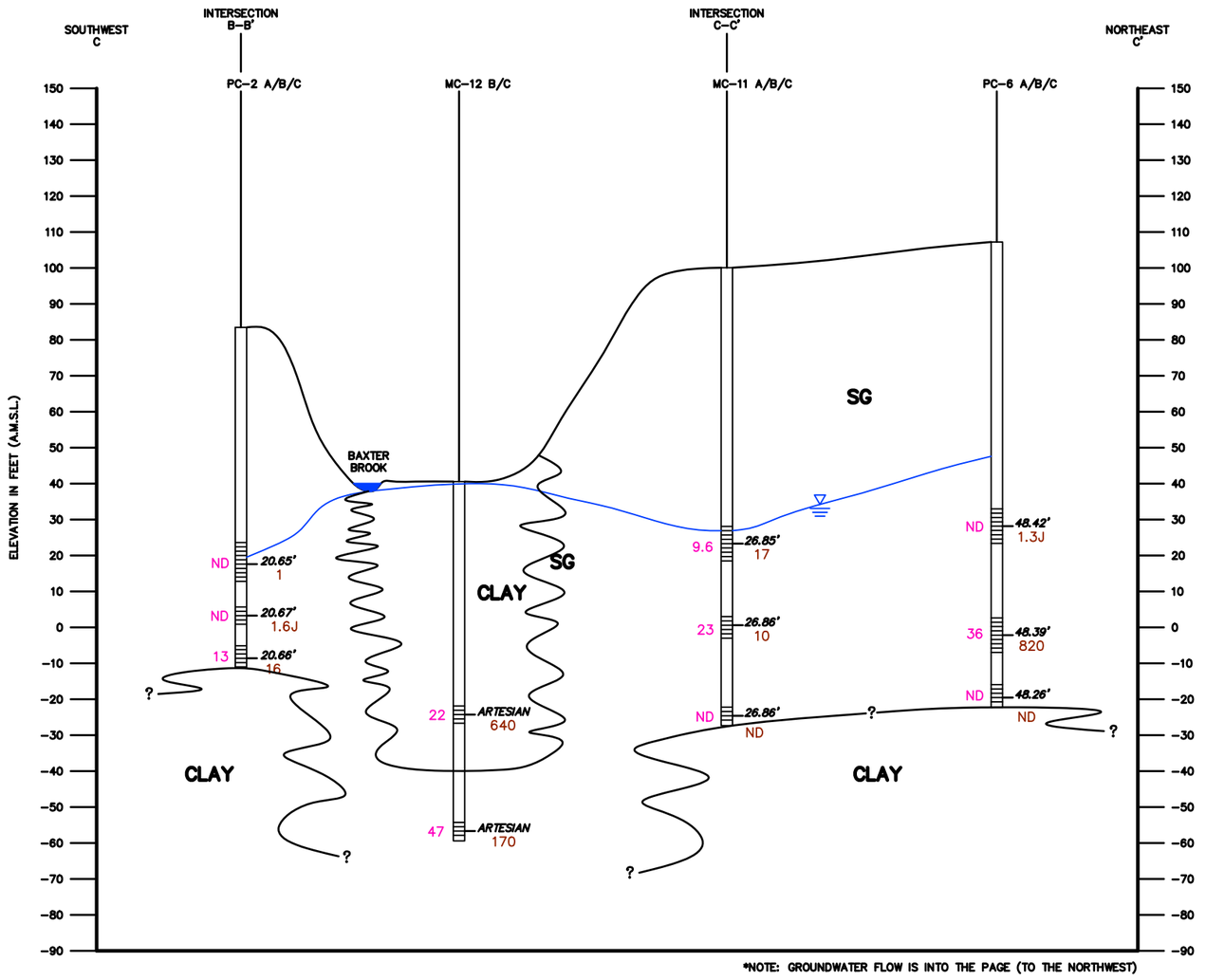
CROSS SECTION B-B' WITH 2010 DATA

SCALE: AS SHOWN

ARCADIS-US, INC.

AUGUST 2011

FIGURE 9B



*NOTE: GROUNDWATER FLOW IS INTO THE PAGE (TO THE NORTHWEST)

LEGEND

▽	WATER TABLE
10	TCE IN ug/L – (MAY 2010)
10	PCE IN µg/L – (MAY 2010)
24.66'	GROUNDWATER LEVEL (FT. A.M.S.L.) – (APRIL 2010)
ND	NOT DETECTED
NS	NOT SAMPLED

10' 0 10' 20'
VERTICAL SCALE

200' 0 200' 400'
HORIZONTAL SCALE

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MUNSEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108
TOWN OF NORTH HEMPSTEAD, NEW YORK

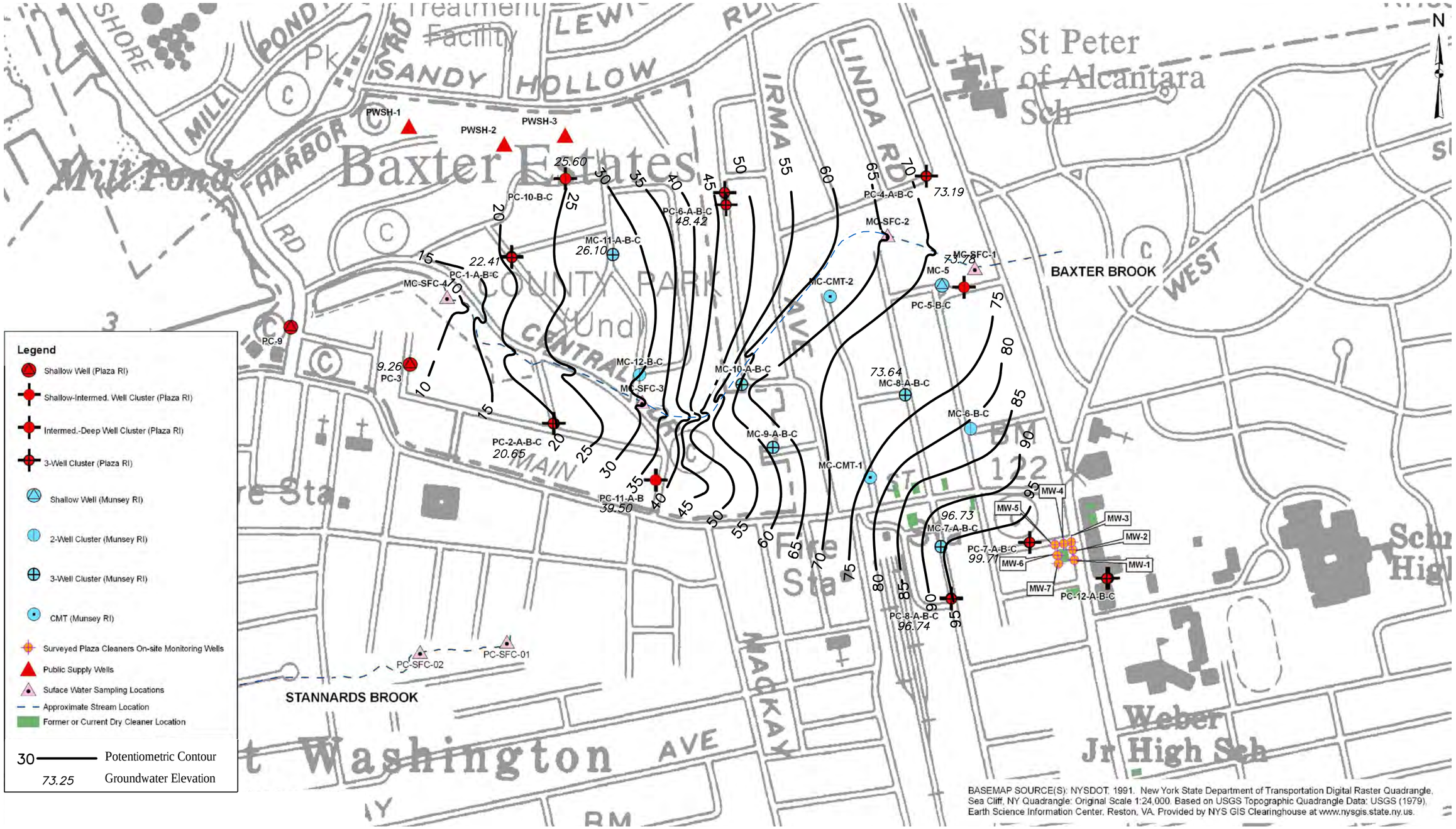
CROSS SECTION C-C' WITH 2010 DATA

SCALE: AS SHOWN

ARCADIS-US, INC.

AUGUST 2011

FIGURE 9C



BASEMAP SOURCE(S): NYSDOT. 1991. New York State Department of Transportation Digital Raster Quadrangle. Sea Cliff, NY Quadrangle: Original Scale 1:24,000. Based on USGS Topographic Quadrangle Data: USGS (1979). Earth Science Information Center, Reston, VA. Provided by NYS GIS Clearinghouse at www.nysgis.state.ny.us.

250 0 250 500

SCALE: 1" = 500'

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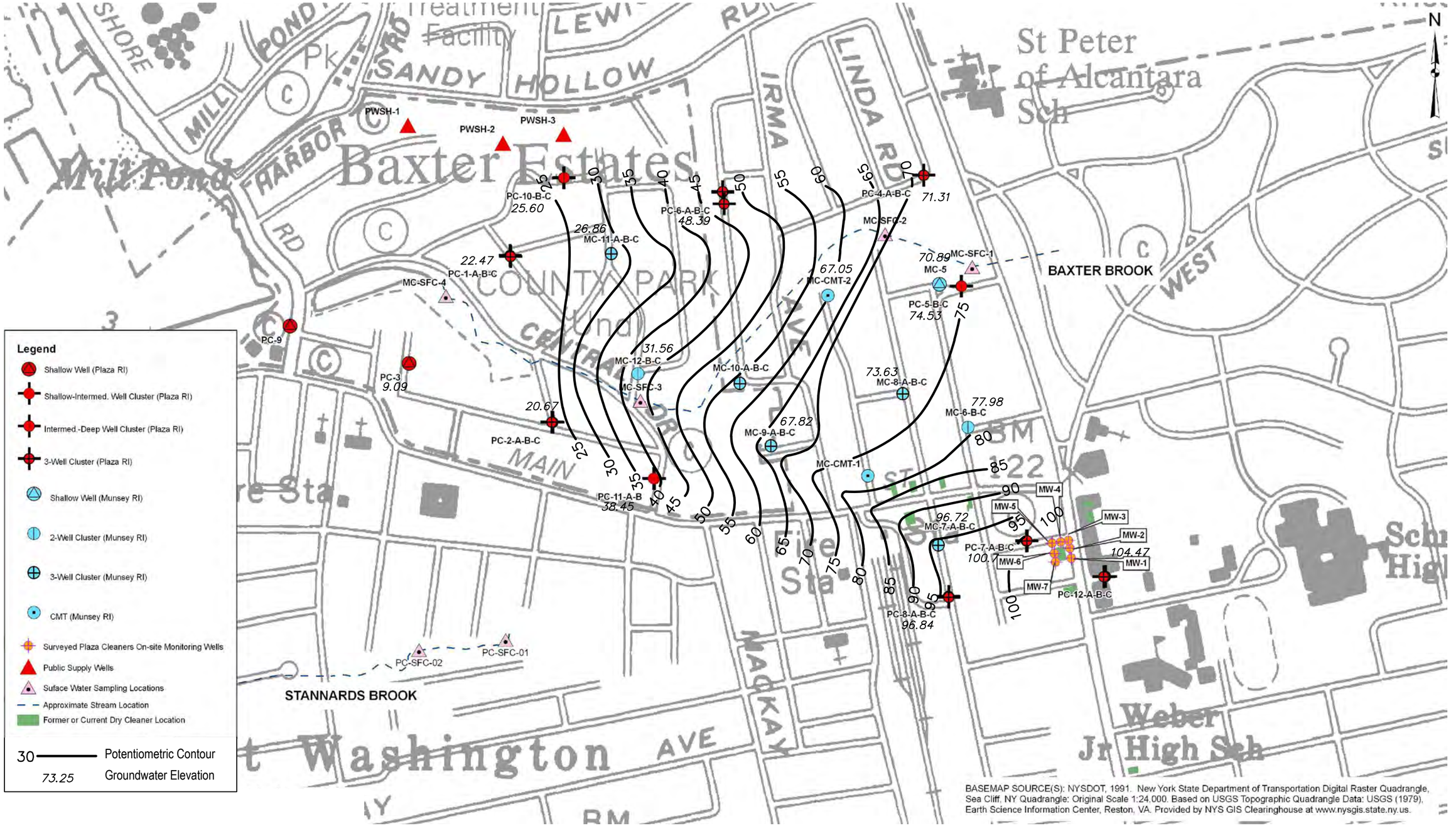
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108
TOWN OF NORTH HEMPSTEAD, NEW YORK

SHALLOW ZONE
POTENTIOMETRIC MAP 4/28/10
SCALE: 1"=500'

ARCADIS-US, INC.
AUGUST 2011
FIGURE 4a



BASEMAP SOURCE(S): NYSDOT, 1991. New York State Department of Transportation Digital Raster Quadrangle, Sea Cliff, NY Quadrangle: Original Scale 1:24,000. Based on USGS Topographic Quadrangle Data: USGS (1979), Earth Science Information Center, Reston, VA. Provided by NYS GIS Clearinghouse at www.nysgis.state.ny.us.

250 0 250 500

SCALE: 1" = 500'

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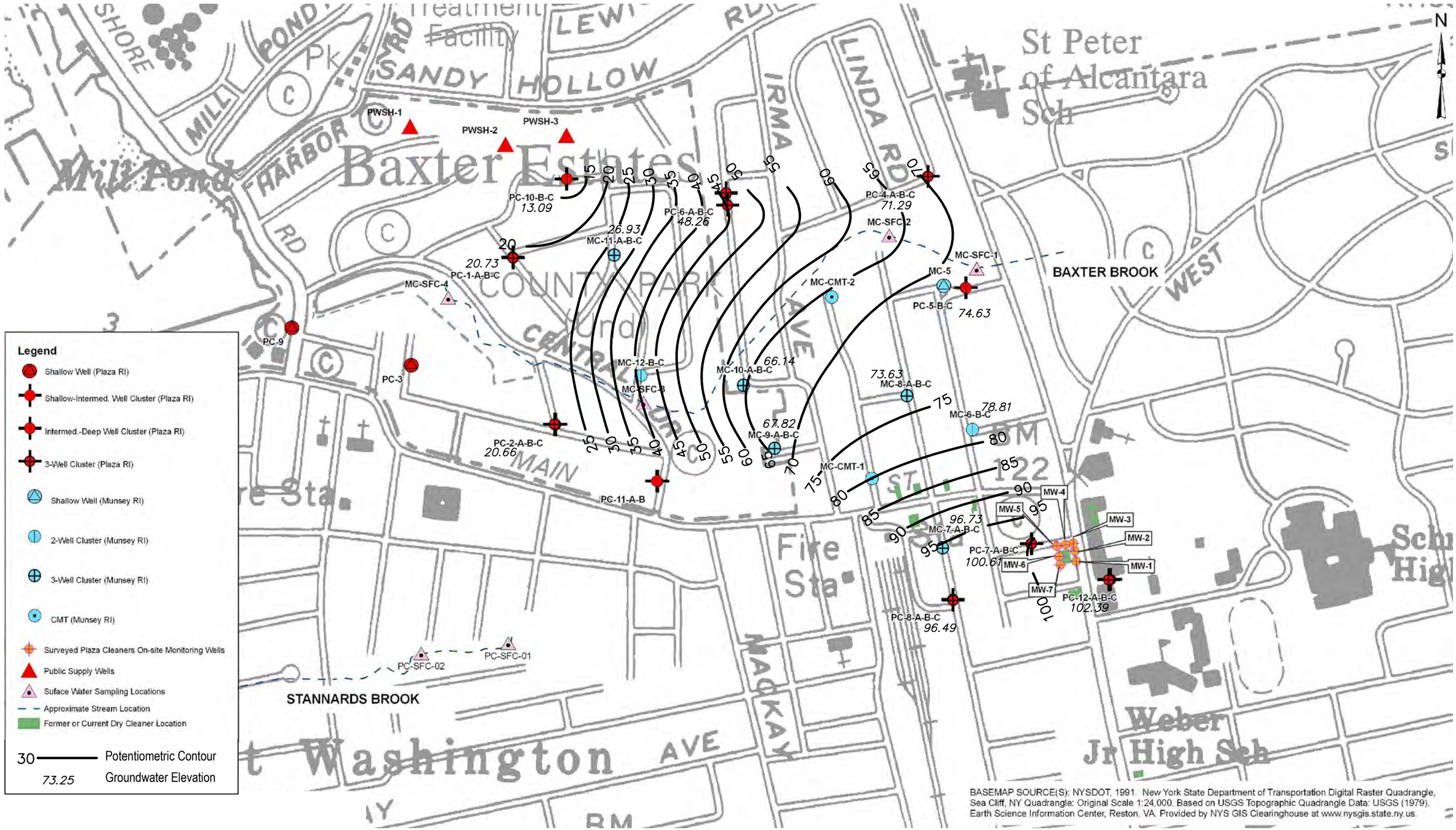
MUNSEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108
TOWN OF NORTH HEMPSTEAD, NEW YORK

INTERMEDIATE ZONE
POTENTIOMETRIC MAP 4/28/10
SCALE: 1"=500'

ARCADIS-US, INC.

AUGUST 2011

FIGURE 4b



BASEMAP SOURCE(S): NYSDOT, 1991. New York State Department of Transportation Digital Raster Quadrangle, Sea Cliff, NY Quadrangle: Original Scale 1:24,000. Based on USGS Topographic Quadrangle Data: USGS (1979), Earth Science Information Center, Reston, VA. Provided by NYS GIS Clearinghouse at www.nysgis.state.ny.us.

250 0 250 500

SCALE: 1" = 500'

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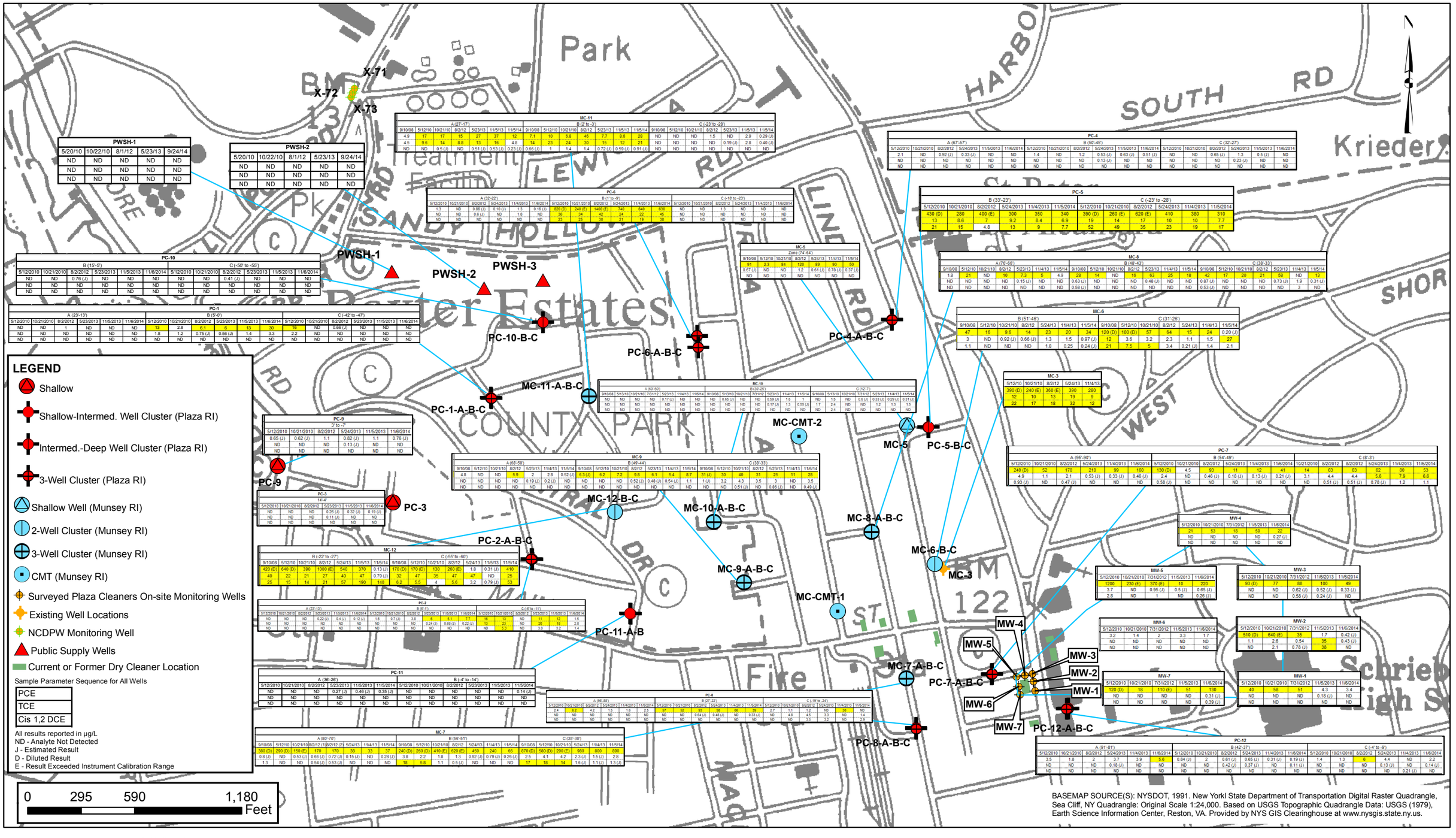
MUNSEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108
TOWN OF NORTH HEMPSTEAD, NEW YORK

DEEP ZONE
POTENTIOMETRIC MAP 4/28/10
SCALE: 1"=500'

ARCADIS-US, INC.
AUGUST 2011
FIGURE 4c



PWSH-1

5/20/10	10/22/10	8/1/12	5/23/13	9/24/14
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND

PWSH-2

5/20/10	10/22/10	8/1/12	5/23/13	9/24/14
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND

MC-11

A (27'-17')							B (2' to -3')							C (-23' to -28')						
9/10/08	5/12/10	10/21/10	8/2/12	5/23/13	11/5/13	11/5/14	9/10/08	5/12/10	10/21/10	8/2/12	5/23/13	11/5/13	11/5/14	9/10/08	5/12/10	10/21/10	8/2/12	5/23/13	11/5/13	11/5/14
4.9	17	17	15	27	37	12	7.1	10	6.8	46	7.7	8.6	28	ND	ND	ND	1.5	ND	2.9	0.29 (J)
4.5	9.6	14	8.8	13	16	4.8	14	23	24	30	15	12	21	ND	ND	ND	ND	0.19 (J)	2.8	0.40 (J)
ND	ND	0.5 (J)	ND	0.51 (J)	0.53 (J)	0.23 (J)	0.66 (J)	1	1.4	1.4	0.72 (J)	0.59 (J)	0.91 (J)	ND	ND	ND	ND	ND	ND	ND

PC-6

A (32'-22')							B (1' to -9')							C (-18' to -23')						
5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/6/2014		5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/6/2014		5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/6/2014	
1.3	ND	0.66 (J)	0.10 (J)	1.3	0.16 (J)		820 (D)	240 (E)	1400 (E)	740	640	630		ND	ND	1.3	ND	ND	ND	
ND	ND	0.6 (J)	ND	1.8	ND		36	34	42	24	22	45		ND	ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	ND		23	25	39	21	19	38		ND	ND	ND	ND	ND	ND	

MC-5

Zone (74'-64')						
9/10/08	5/12/10	10/21/10	8/2/12	5/24/13	11/4/13	11/5/14
91	2.3	84	120	89	90	50
0.67 (J)	ND	ND	1.2	0.51 (J)	0.78 (J)	0.37 (J)
ND	ND	ND	ND	ND	ND	ND

PC-4

A (67'-57')						B (50'-45')						C (32'-27')					
5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/5/2013	11/6/2014	5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/5/2013	11/6/2014	5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/5/2013	11/6/2014
2.1	ND	0.92 (J)	0.33 (J)	ND	ND	1.4	ND	1.2	0.53 (J)	0.63 (J)	0.51 (J)	ND	ND	0.65 (J)	1.3	0.5 (J)	ND
ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13 (J)	ND	ND	ND	ND	ND	0.23 (J)	ND	ND
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

PC-5

B (33'-23')						C (-23' to -28')					
5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/5/2014	5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/5/2014
430 (D)	280	400 (E)	300	350	340	390 (D)	260 (E)	620 (E)	410	380	310
13	8.6	7	9.2	8.4	6.9	19	14	17	10	10	7.7
21	15	4.8	13	9	7.7	52	49	35	23	19	17

PC-10

B (15'-5')							C (-50' to -55')						
5/12/2010	10/21/2010	8/2/2012	5/23/2013	11/5/2013	11/6/2014		5/12/2010	10/21/2010	8/2/2012	5/23/2013	11/5/2013	11/6/2014	
ND	ND	0.76 (J)	ND	ND	ND		ND	ND	0.41 (J)	ND	ND	ND	
ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	

MC-8

A (76'-66')							B (48'-43')							C (38'-33')						
9/10/08	5/12/10	10/21/10	8/2/12	5/23/13	11/4/13	11/5/14	9/10/08	5/12/10	10/21/10	8/2/12	5/23/13	11/4/13	11/5/14	9/10/08	5/12/10	10/21/10	8/2/12	5/23/13	11/4/13	11/5/14
1.8	21	ND	10	7.3	5	4.9	28	14	ND	16	63	25	18	42	17	20	21	58	ND	13
ND	ND	ND	ND	0.15 (J)	ND	ND	ND	ND	ND	ND	0.48 (J)	ND	ND	0.87 (J)	ND	ND	ND	0.73 (J)	1.9	0.31 (J)
ND	ND	ND	ND	ND	ND	ND	0.63 (J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND
							0.58 (J)	ND	ND	ND	ND	ND	ND							

PC-1

A (23'-13')							B (5'-0')							C (-42' to -47')						
5/12/2010	10/21/2010	8/2/2012	5/23/2013	11/5/2013	11/6/2014		5/12/2010	10/21/2010	8/2/2012	5/23/2013	11/5/2013	11/6/2014		5/12/2010	10/21/2010	8/2/2012	5/23/2013	11/5/2013	11/6/2014	
ND	ND	1	ND	ND	ND		13	2.8	6.1	6	13	30		16	ND	0.66 (J)	ND	ND	ND	
ND	ND	ND	ND	ND	ND		1.8	1.2	0.75 (J)	0.56 (J)	1.4	3.3		2.2	ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	

MC-6

B (51'-46')							C (31'-26')						
9/10/08	5/12/10	10/21/10	8/2/12	5/24/13	11/4/13	11/5/14	9/10/08	5/12/10	10/21/10	8/2/12	5/24/13	11/4/13	11/5/14
47	16	9.6	14	23	20	34	120 (D)	100 (D)	57	64	15	24	0.20 (J)
3	ND	0.92 (J)	0.66 (J)	1.3	1.5	0.97 (J)	12	3.6	3.2	2.3	1.1	1.5	27
1.1	ND	ND	ND	1.8	0.25	0.24 (J)	21	7.5	5	3.4	0.21 (J)	1.4	2.1

MC-3

5/12/10	10/21/10	8/2/12	5/24/13	11/4/13
390 (D)	240 (E)	360 (E)	390	280
12	10	13	19	9
22	17	18	32	12

PC-9

3' to -7'					
5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/5/2013	11/6/2014
0.65 (J)	0.62 (J)	1.1	0.82 (J)	1.1	0.76 (J)
ND	ND	ND	0.13 (J)	ND	ND
ND	ND	ND	ND	ND	ND

MC-10

A (50'-50')							B (30'-25')							C (12'-7')						
9/10/08	5/13/10	10/21/10	7/31/12	5/23/13	11/4/13	11/6/14	9/10/08	5/13/10	10/21/10	7/31/12	5/23/13	11/4/13	11/5/14	9/10/08	5/13/10	10/21/10	7/31/12	5/23/13	11/4/13	11/5/14
ND	ND	ND	ND	0.17 (J)	ND	ND	ND	0.65 (J)	ND	ND	0.59 (J)	1.6	1	ND	1.5	ND	0.6 (J)	0.33 (J)	0.29 (J)	0.31 (J)
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.57 (J)	1.3	0.55 (J)	1.7	2.4	ND	ND	1.2	1.3	1.5
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND

MC-9

A (68'-58')							B (49'-44')							C (38'-33')						
9/10/08	5/12/10	10/21/10	8/2/12	5/23/13	11/4/13	11/5/14	9/10/08	5/12/10	10/21/10	8/2/12	5/23/13	11/4/13	11/5/14	9/10/08	5/12/10	10/21/10	8/2/12	5/23/13	11/4/13	11/6/14
4.8	ND	ND	5.9	2	2.8	0.52 (J)	6.3 (J)	6.2	7.2	9.8	6.1	5.4	8.7	31 (J)	30	40	31	25	11	28
ND	ND	ND	ND	0.19 (J)	0.2 (J)	ND	ND	ND	ND	0.52 (J)	0.48 (J)	0.54 (J)	1.1	1 (J)	3.2	4.3	3.5	3	ND	3.5
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51 (J)	ND	0.86 (J)	ND	0.49 (J)

PC-7

A (95'-90')						B (54'-49')						C (8'-3')					
5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/6/2014	5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/6/2014	10/21/2010	8/2/2012	8/2/2012	5/24/2013	11/4/2013	11/6/2014
240 (D)	52	170	210	99	160	130 (D)	4.5	93	11	12	41	14	63	63	62	80	53
4.9	1.1	2.1	0.53 (J)	0.33 (J)	0.46 (J)	2.4	ND	0.46 (J)	0.18 (J)	0.13 (J)	0.21 (J)	3.1	4.4	4.4	5.6	7.9	6.6
0.93 (J)	ND	0.47 (J)	ND	ND	ND	0.58 (J)	ND	ND	ND	ND	ND	ND	0.51 (J)	0.51 (J)	0.78 (J)	1.2	1.1

MC-12

B (-22' to -27')							C (-55' to -60')						
9/10/08	5/12/10	10/21/10	8/2/12	5/24/13	11/5/13	11/5/14	9/10/08	5/12/10	10/21/10	8/2/12	5/24/13	11/5/13	11/5/14
420 (D)	640 (D)	390	1000 (E)	540	370	0.13 (J)	170 (D)	170 (D)	130	260 (E)	1.8	0.31 (J)	410
40	22	21	27	40	47	0.79 (J)	32	47	35	47	47	ND	25
25	15	14	21	57	190	140	6.2	5.5	4	5.6	3.2	0.79 (J)	53

PC-3

14'-4'					
5/12/2010	10/21/2010	8/2/2012	5/23/2013	11/5/2013	11/6/2014
ND	ND	ND	0.26 (J)	0.32 (J)	0.19 (J)
ND	ND	ND	0.11 (J)	ND	ND
ND	ND	ND	ND	ND	ND

PC-2

A (23'-13')							B (8'-1')							C (-2' to -11')						
5/12/2010	10/21/2010	8/2/2012	5/23/2013	11/5/2013	11/6/2014		5/12/2010	10/21/2010	8/2/2012	5/23/2013	11/5/2013	11/6/2014		5/12/2010	10/21/2010	8/2/2012	5/23/2013	11/5/2013	11/6/2014	
ND	ND	ND	0.22 (J)	0.4 (J)	0.12 (J)		1.6	0.7 (J)	3.8	6	5.1	7.7		16	13	ND	11	12	1.5	
ND	ND	ND	ND	ND	ND		ND	ND	ND	3.7	ND	ND		3.5	2.2	ND	ND	ND	ND	
ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	5.3	ND	3.8	3.2	1.4	

PC-11

A (36'-26')							B (-4' to -14')						
5/12/2010	10/21/2010	8/2/2012	5/23/2013	11/5/2013	11/5/2014		5/12/2010	10/21/2010	8/2/2012	5/23/2013	11/5/2013	11/5/2014	
ND	ND	ND	0.27 (J)	0.46 (J)	0.35 (J)		ND	ND	ND	ND	ND	ND	0.14 (J)
ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND

PC-8

A (98'-88')							B (27'-22')							C (-19' to -24')						
5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/5/2014		5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/5/2014		5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/5/2014	
2.4	6.2	4.2	1.5	1.8	2.5		57	52	93	58	66	39		2.7	1.1	1.2	ND	38	ND	
ND	ND	ND	ND	ND	ND		ND	ND	0.64 (J)	0.48 (J)	ND	0.33 (J)		ND	4.8	4.5	3.3	1	ND	1.4
ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	3.5	3.2	ND	2.6	

MC-7

A (80'-70')							B (56'-51')							C (35'-30')						
9/10/08	5/12/10	10/21/10	8/2/12	5/24/13	11/4/13	11/5/14	9/10/08	5/12/10	10/21/10	8/2/12	5/24/13	11/4/13	11/5/14	9/10/08	5/12/10	10/21/10	8/2/12	5/24/13	11/4/13	11/5/14
380 (D)	290 (D)	150 (E)	170	170	38	33	240 (D)	260 (D)	410 (E)	620 (E)	450	240	66	870 (D)	580 (D)	290 (E)	980	800	890	
0.8 (J)	ND	0.53 (J)	0.66 (J)	0.72 (J)	0.15 (J)	ND	3.8	2.2	1.8	1.3	0.92 (J)	0.79 (J)	0.26 (J)	2.5	4.1	4.2	2.3 (J)	1.5 (J)	2.8	
1.3	ND	ND	0.54 (J)	0.53 (J)	ND	ND	18	5.8	1.1	0.5 (J)	ND	ND	ND	17	18	14	1.6 (J)	1.1 (J)	1.3 (J)	

MW-4

5/12/2010	10/21/2010	7/31/2012	11/5/2013	11/6/2014
21	53	18	58	22
ND	ND	ND	ND	0.27 (J)
ND	ND	ND	ND	ND

MW-5

5/12/2010	10/21/2010	7/31/2012	11/5/2013	11/6/2014
1200	230 (E)	370 (E)	10	220
3.7	ND	0.95 (J)	0.5 (J)	0.65 (J)
2.8	ND	1	ND	0.26 (J)

MW-3

5/12/2010	10/21/2010	7/31/2012	11/6/2013	11/6/2014
93 (D)	77	88	100	49
ND	ND	0.62 (J)	0.52 (J)	0.33 (J)
ND	ND	0.58 (J)	0.24 (J)	ND

MW-6

5/12/2010	10/21/2010	7/31/2012	11/5/2013	11/6/2014
3.2	1.4	2	3.3	1.7
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND

MW-2

5/12/2010	10/21/2010	7/31/2012	11/5/2013	11/6/2014
510 (D)	640 (E)	35	1.7	0.42 (J)
1.1	2.6	0.54	35	0.43 (J)
ND	2.1	0.78 (J)	38	ND

MW-7

5/12/2010	10/21/2010	7/31/2012	11/5/2013	11/6/2014
120 (D)	18	110 (E)	51	130
ND	ND	ND	ND	0.31 (J)
ND	ND	ND	ND	0.39 (J)

MW-1

5/12/2010	10/21/2010	7/31/2012	11/5/2013	11/6/2014
40	58	51	4.3	3.4
ND	ND	ND	0.18 (J)	ND
ND	ND	ND	ND	ND

PC-12

A (91'-81')						B (42'-37')						C (-4' to -9')					
5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/6/2014	5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/6/2014	5/12/2010	10/21/2010	8/2/2012	5/24/2013	11/4/2013	11/6/2014
3.5	1.8	2	3.7	3.9	5.6	0.84 (J)	2	0.61 (J)	0.65 (J)	0.31 (J)	0.19 (J)	1.4	1.3	6	4.4	ND	2.2
ND	ND	ND	0.18 (J)	ND	ND	ND	ND	0.42 (J)	0.37 (J)	ND	0.11 (J)	ND	ND	ND	0.13 (J)	ND	0.14 (J)
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21 (J)	ND	ND

BASEMAP SOURCE(S): NYSDOT, 1991. New Yorkl State Department of Transportation Digital Raster Quadrangle, Sea Cliff, NY Quadrangle: Original Scale 1:24,000. Based on USGS Topographic Quadrangle Data: USGS (1979), Earth Science Information Center, Reston, VA. Provided by NYS GIS Clearinghouse at www.nysgis.state.ny.us.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

SUMMARY OF SELECT VOLATILE ORGANIC COMPOUNDS DETECTED IN 2008, 2010, 2012, 2013 & 2014 GROUNDWATER MONITORING WELL SAMPLES

DECEMBER 2014

FIGURE 5

MC-BAX-1	09/12	05/13	11/13	11/14
PCE	1.8	3.4	4.6	2.3

MC-BAX-3	09/12	05/13	11/13	11/14
PCE	3.5	3.2	2.8	3.9

BAXTER POND

MC-BAX-2	09/12	05/13	11/13	11/14
PCE	1.9	2.4	2.8	2.7

LEGEND

Surface Water Sampling Location

All results reported in ppb
9/12 - September 2012
PCE - Tetrachloroethene (Perc)

0 62.5 125 250 Feet

1 inch = 100 feet

BASEMAP SOURCE(S): NYSDOT, 1991. New Yorkl State Department of Transportation Digital Raster Quadrangle, Sea Cliff, NY Quadrangle: Original Scale 1:24,000. Based on USGS Topographic Quadrangle Data: USGS (1979), Earth Science Information Center, Reston, VA. Provided by NYS GIS Clearinghouse at www.nysgis.state.ny.us.

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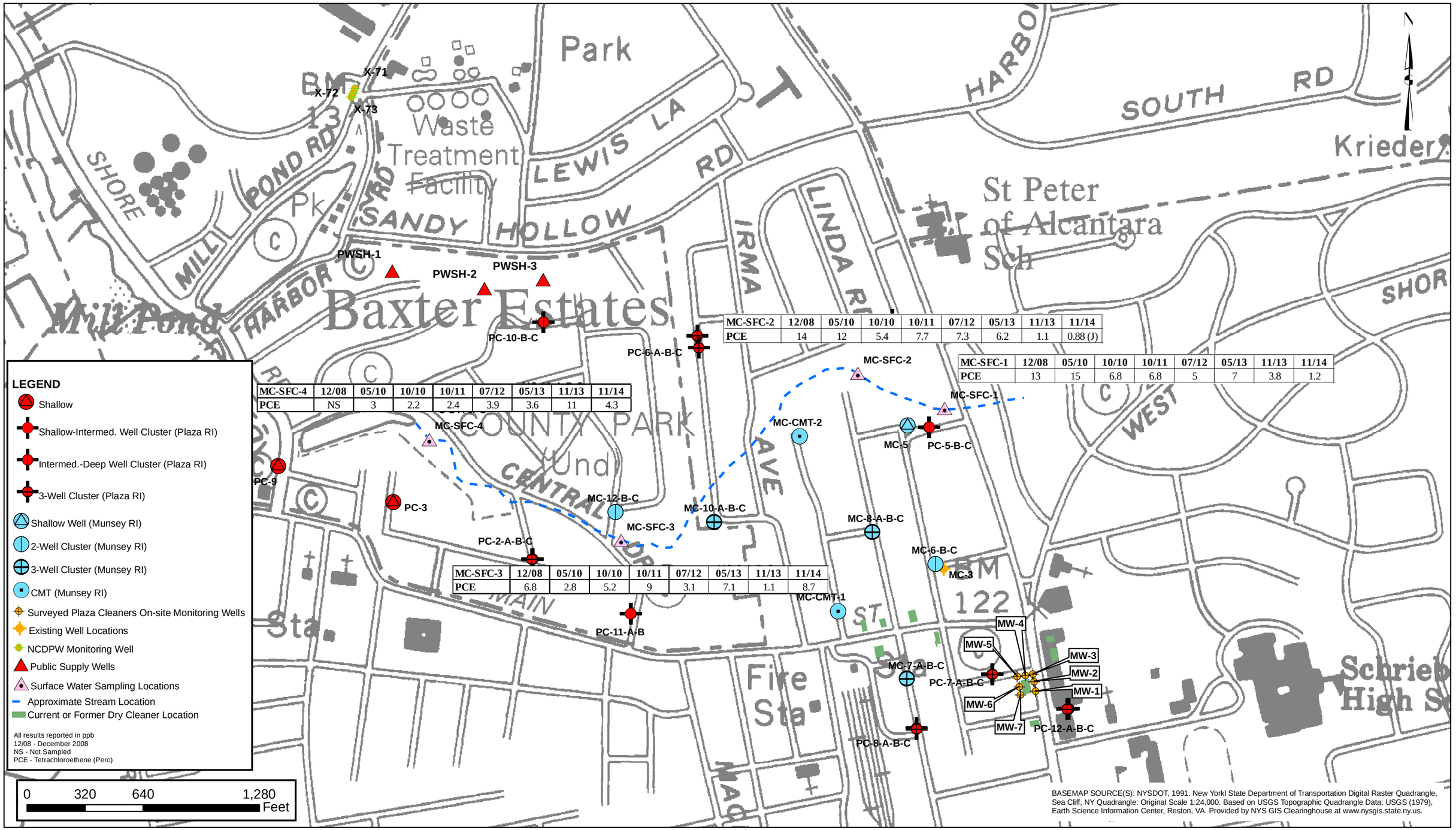
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

BAXTER POND SAMPLING RESULTS - PCE

DECEMBER 2014

FIGURE 6a



MC-SFC-4	12/08	05/10	10/10	10/11	07/12	05/13	11/13	11/14
PCE	NS	3	2.2	2.4	3.9	3.6	11	4.3

MC-SFC-2	12/08	05/10	10/10	10/11	07/12	05/13	11/13	11/14
PCE	14	12	5.4	7.7	7.3	6.2	1.1	0.88 (J)

MC-SFC-1	12/08	05/10	10/10	10/11	07/12	05/13	11/13	11/14
PCE	13	15	6.8	6.8	5	7	3.8	1.2

MC-SFC-3	12/08	05/10	10/10	10/11	07/12	05/13	11/13	11/14
PCE	6.8	2.8	5.2	9	3.1	7.1	1.1	8.7

LEGEND

- Shallow
- Shallow-Intermed. Well Cluster (Plaza RI)
- Intermed.-Deep Well Cluster (Plaza RI)
- 3-Well Cluster (Plaza RI)
- Shallow Well (Munsey RI)
- 2-Well Cluster (Munsey RI)
- 3-Well Cluster (Munsey RI)
- CMT (Munsey RI)
- Surveyed Plaza Cleaners On-site Monitoring Wells
- Existing Well Locations
- NCDPW Monitoring Well
- Public Supply Wells
- Surface Water Sampling Locations
- Approximate Stream Location
- Current or Former Dry Cleaner Location

All results reported in ppb
12/08 - December 2008
NS - Not Sampled
PCE - Tetrachloroethene (Perc)

0 320 640 1,280 Feet

1 inch = 500 feet

BASEMAP SOURCE(S): NYSDOT, 1991. New Yorkl State Department of Transportation Digital Raster Quadrangle, Sea Cliff, NY Quadrangle: Original Scale 1:24,000. Based on USGS Topographic Quadrangle Data: USGS (1979), Earth Science Information Center, Reston, VA. Provided by NYS GIS Clearinghouse at www.nysgis.state.ny.us.

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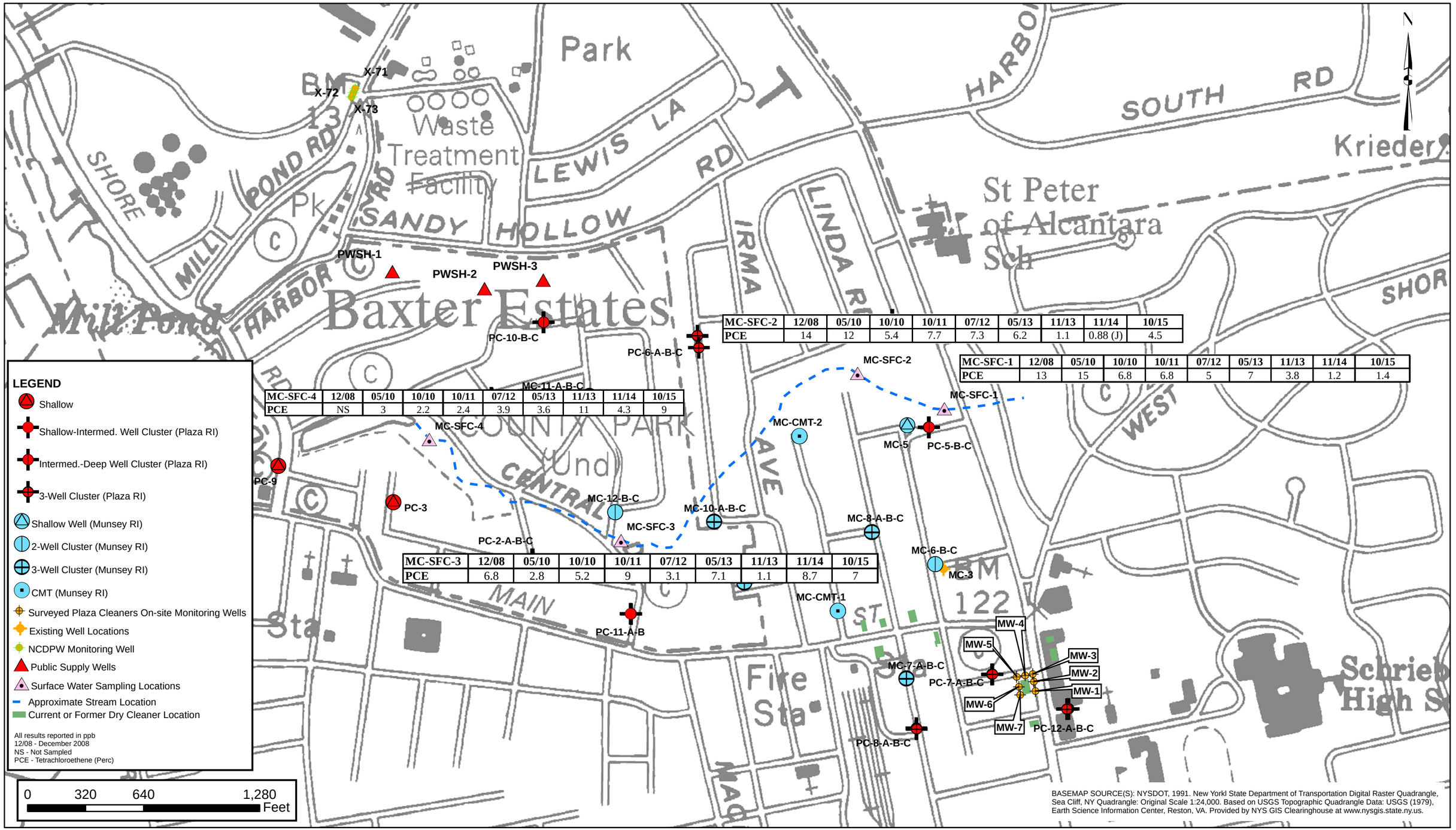
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

BAXTER BROOK SAMPLING RESULTS - PCE

DECEMBER 2014

FIGURE 4



MC-SFC-4	12/08	05/10	10/10	10/11	07/12	05/13	11/13	11/14	10/15
PCE	NS	3	2.2	2.4	3.9	3.6	11	4.3	9

MC-SFC-3	12/08	05/10	10/10	10/11	07/12	05/13	11/13	11/14	10/15
PCE	6.8	2.8	5.2	9	3.1	7.1	1.1	8.7	7

MC-SFC-2	12/08	05/10	10/10	10/11	07/12	05/13	11/13	11/14	10/15
PCE	14	12	5.4	7.7	7.3	6.2	1.1	0.88 (J)	4.5

MC-SFC-1	12/08	05/10	10/10	10/11	07/12	05/13	11/13	11/14	10/15
PCE	13	15	6.8	6.8	5	7	3.8	1.2	1.4

LEGEND

- Shallow
- Shallow-Intermed. Well Cluster (Plaza RI)
- Intermed.-Deep Well Cluster (Plaza RI)
- 3-Well Cluster (Plaza RI)
- Shallow Well (Munsey RI)
- 2-Well Cluster (Munsey RI)
- 3-Well Cluster (Munsey RI)
- CMT (Munsey RI)
- Surveyed Plaza Cleaners On-site Monitoring Wells
- Existing Well Locations
- NCDPW Monitoring Well
- Public Supply Wells
- Surface Water Sampling Locations
- Approximate Stream Location
- Current or Former Dry Cleaner Location

All results reported in ppb
12/08 - December 2008
NS - Not Sampled
PCE - Tetrachloroethene (Perc)

0 320 640 1,280 Feet

1 inch = 500 feet

BASEMAP SOURCE(S): NYSDOT, 1991. New Yorkl State Department of Transportation Digital Raster Quadrangle, Sea Cliff, NY Quadrangle: Original Scale 1:24,000. Based on USGS Topographic Quadrangle Data: USGS (1979), Earth Science Information Center, Reston, VA. Provided by NYS GIS Clearinghouse at www.nysgis.state.ny.us.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

BAXTER BROOK SAMPLING RESULTS - PCE

NOVEMBER 2015

FIGURE 6b

M:\GIS\MOD\0266380\Figure - SVI Locations Aerial.mxd

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

SOIL VAPOR INTRUSION SAMPLING LOCATIONS

AUGUST 2011

FIGURE 7

APPENDIX A – LIST OF SITE CONTACTS

Name	Phone/Email Address
NYSDEC DER Project Manager, Melissa Sweet	518-402-9614, melissa.sweet@dec.ny.gov
NYSDEC Regional HW Engineer, Walter Parish	516-444-0240, walter.parish@dec.ny.gov
Chief, Site Control Section	New York State Department of Environmental Conservation Division of Environmental Remediation, 625 Broadway Albany NY 12233-7020

APPENDIX B

MONITORING WELL BORING AND CONSTRUCTION LOGS

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-01

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **5**
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**
DRILLING CONTRACTOR					MEAS. PT. ELEV.
PURPOSE					GROUND ELEV.
WELL MATERIAL					DATUM
DRILLING METHOD(S)		SAMPLE	CORE	CASING	DATE STARTED **7/22/08**
DRILL RIG TYPE **CME 75**	TYPE				DATE FINISHED **7/23/08**
GROUND WATER DEPTH **27.0'**	DIA.	"			DRILLER **Chris - ADT**
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **C. Whipple**
DATE OF MEASUREMENT	FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
0			0 ppm		Moist, clayey silt.			
2								
4								
6								
8								
10			20 ppm		Medium to coarse sand with fine to medium gravel.	10.0		
12								
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-01
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
			24 ppm					
22								
24								
26								▼
28								
30			6 ppm					
					S.A.A., color changes to reddish brown.	31.5		
32								
34								
36								
38								
40								
42								
								43.0
44								
								46.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-01
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **3** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48							47.0 48.0	Port 1
50			0 ppm				51.0 53.0	
52							54.0 55.0	Port 2
54							58.0	
56							61.0 62.0 63.0	Port 3
58							65.0	
60							71.0 72.0	
62								
64								
66								
68								
70			0 ppm					

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-01
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **4** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74							73.0	Port 4
76							75.0	
78								
80					Coarse gravel.	80.0	80.0	
82					Coarse sandy gravel.	82.0	82.0	Port 5
84							83.0	
86							84.0	
88							88.0	
90			0 ppm				89.0	
92							90.0	Port 6
94							93.0	
96							97.0	
							98.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-01
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **5** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
					Grey silty fine sand.	98.0		99.0 Port 7
100						100.0		100.0

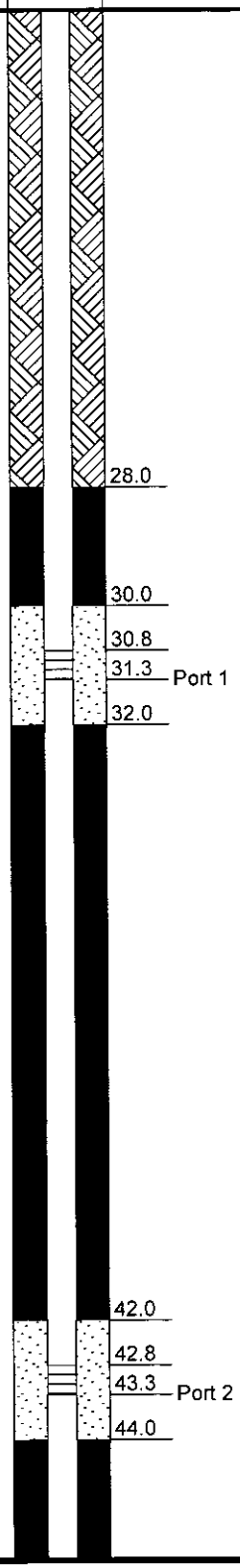
MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-02

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **5**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**	
DRILLING CONTRACTOR					MEAS. PT. ELEV.	
PURPOSE					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S)			SAMPLE	CORE	CASING	DATE STARTED **7/23/08**
DRILL RIG TYPE **CME 85**		TYPE				DATE FINISHED **7/24/08**
GROUND WATER DEPTH **47.0'**		DIA.	"			DRILLER **Shaun - ADT**
MEASURING POINT		WEIGHT	#			PIRNIE STAFF **E. Moskal**
DATE OF MEASUREMENT		FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0 ppm		Brown fine to medium sand, occasional fine gravel.			
4								
6								
8								
10						10.0		
12								
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-02
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22			0 ppm					
24								
26								
28								
30								
32								
34								
36								
38								
40			0 ppm					
42								
44								



MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-02
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **3** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Light brown fine to medium sand with fine gravel.	47.0		▼
48								
50								
52								
54								54.0 54.8 55.3 Port 3 56.0
56								
58					Green to gray, dense clay with silt.	58.0		
60			0 ppm					60.0
62								
64								
66								
68								
70								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-02
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **4** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
76								
78								
80			0 ppm					
82								
84								
86								86.0
88								
90					Brown, fine to medium occasional fine gravel.	90.0		90.0 90.8 91.3 Port 4 92.0
92								
94								
96			0 ppm					97.0 97.8

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-02
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **5** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
100						98.3 100.0	Port 7	

MALCOLM PIRNIE — TEST BORING LOG — BORING No.MC-10

PROJECT	Munsey Cleaners OU-2	LOCATION	Port Washington, NY	SHEET	1 OF 3
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266372
DRILLING CONTRACTOR				MEAS. PT. ELEV.	
PURPOSE				GROUND ELEV.	
WELL MATERIAL				DATUM	
DRILLING METHOD(S)		SAMPLE	CORE / CASING	DATE STARTED	7/15/08
DRILL RIG TYPE	CME 75 & 85	TYPE		DATE FINISHED	7/16/08
GROUND WATER DEPTH	15.0'	DIA.	"	DRILLER	Shaun - ADT
MEASURING POINT		WEIGHT	#	PIRNIE STAFF	E. Moskal
DATE OF MEASUREMENT		FALL	"		

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0 ppm		Brown, fine to medium sand with trace fine gravel.			
4								
6					Gray to green clay.	6.0	6.0	
8							8.0	
10							10.0	
12								
14								
16					Brown fine to medium sand with occassional fine gravel.	15.0		
18							20.0	

MALCOLM PIRNIE

TEST BORING LOG

BORING No.MC-10

PROJECT **Munsey Cleaners OU-2** | LOCATION **Port Washington, NY** | SHEET **2** OF **3**

CLIENT **New York State Department of Environmental Conservation** | PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22			0 ppm				22.0	
24							24.0	
26								
28								
30								
32								
34								
36							36.0	
38							38.0	
40			0 ppm				40.0	
42								
44							45.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-10
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **3** OF **3**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
48							47.0	
							49.0	
50								
							52.0	
52								
							54.0	
54								
56								
58							58.0	
60			0 ppm					
62							63.0	
64						64.0	64.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-11

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **6**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**	
DRILLING CONTRACTOR					MEAS. PT. ELEV.	
PURPOSE					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S)			SAMPLE	CORE	CASING	DATE STARTED **7/16/08**
DRILL RIG TYPE **CME 75 & 85**		TYPE				DATE FINISHED **7/22/08**
GROUND WATER DEPTH **74.0'**		DIA.	"			DRILLER **Shaun - ADT**
MEASURING POINT		WEIGHT	#			PIRNIE STAFF **E. Moskal**
DATE OF MEASUREMENT		FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
			0 ppm		Light brown to brown fine medium sand with occasional fine gravel .			
2								
4								
6								
8								
10								
12								
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-11
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **6**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
			0 ppm					
22								
24								
26								
28								
30								
32								
34								
36								
38								
40			0 ppm					
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-11
PROJECT Munsey Cleaners OU-2	LOCATION Port Washington, NY	SHEET 3 OF 6
CLIENT New York State Department of Environmental Conservation		PROJECT No. 0266372

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48								
50								
52								
54								
56								
58								
60			0 ppm					
62								
64								
66								
68								
70							69.0	
							71.0	

MALCOLM PIRNIE

TEST BORING LOG

BORING No.MC-11

PROJECT **Munsey Cleaners OU-2** | LOCATION **Port Washington, NY** | SHEET **4** OF **6**

CLIENT **New York State Department of Environmental Conservation** | PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
74						73.0		
76								
78								
80			0 ppm					
82						83.0		
84						85.0		
86						87.0		
88								
90								
92								
94						94.0		
96						96.0		
						98.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-11
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **5** OF **6**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
100			0 ppm					
102							103.0	
104							105.0	
106							107.0	
108								
110								
112								
114								
116								
118							119.0	
120			0 ppm				121.0	
122							123.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-11
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **6** OF **6**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
126								
128					Gray clay	128.0	128.0	
130							130.0	
132						132.0	132.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-12

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **5**
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**
DRILLING CONTRACTOR					MEAS. PT. ELEV.
PURPOSE					GROUND ELEV.
WELL MATERIAL					DATUM
DRILLING METHOD(S)		SAMPLE	CORE	CASING	DATE STARTED **7/17/08**
DRILL RIG TYPE **CME 85**	TYPE				DATE FINISHED **7/21/08**
GROUND WATER DEPTH **-0.5'**	DIA.	"			DRILLER **Shaun - ADT**
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **E. Moskal**
DATE OF MEASUREMENT	FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0 ppm		Brown to tan moist clayey till.			▼
4								
6								
8								
10								
12					Brown, moist silty fine sand.	11.5		
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-12
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
			0 ppm					
					Gray clayey silt. Clay ribbons throughout unit.	21.0		
22								
24								
26								
28								
30								
32								
34								
36								
38								
40			0 ppm					
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-12
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **3** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48								
50								
52					Reddish-brown silty clay. Medium sand lense from 61.5 -62 feet bgs.	51.0		
54								
56								
58								58.0
60			0 ppm					60.0
62								62.0
64								
66								
68								67.0
70								69.0
								71.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-12
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **4** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
76								
78								
80			0 ppm		Very coarse sand with medium gravel.	80.0		
82								
84								
86								
88								
90								
92								91.0 93.0
94			0 ppm		Medium sand with silt.	94.0		95.0
96								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-12
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **5** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
100						100.0	100.0	

MALCOLM PIRNIE — TEST BORING LOG — BORING No.MC-5

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**		SHEET **1** OF **2**
CLIENT **New York State Department of Environmental Conservation**			PROJECT No. **0266372**
DRILLING CONTRACTOR			MEAS. PT. ELEV.
PURPOSE			GROUND ELEV.
WELL MATERIAL			DATUM
DRILLING METHOD(S)		SAMPLE / CORE / CASING	DATE STARTED **7/8/08**
DRILL RIG TYPE **CME 75**	TYPE		DATE FINISHED **7/8/08**
GROUND WATER DEPTH **24.0'**	DIA.	"	DRILLER **Bernie - ADT**
MEASURING POINT	WEIGHT	#	PIRNIE STAFF **C. Whipple**
DATE OF MEASUREMENT	FALL	"	

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0 ppm		Light brown fine to medium sand, some gravel. Loose and dry.			
14			0 ppm					
16					Light brown fine to medium sand, loose and dry.	16.5		
18								18.0
								20.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-5
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **2**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22								22.0
24								▼
					Light brown fine to medium sand with small gravel.	25.0		
26								
28								
30			0 ppm					
32						32.0		32.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-6

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **4**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**	
DRILLING CONTRACTOR					MEAS. PT. ELEV.	
PURPOSE					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S)			SAMPLE	CORE	CASING	DATE STARTED **7/7/08**
DRILL RIG TYPE **CME 75 & 85**		TYPE				DATE FINISHED **7/8/08**
GROUND WATER DEPTH **35.0'**		DIA.	"			DRILLER **Bernie - ADT**
MEASURING POINT		WEIGHT	#			PIRNIE STAFF **C. Whipple**
DATE OF MEASUREMENT		FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0 ppm		Dark brown fine to medium sand with some fine gravel.			
4								
6								
8								
10								
12								
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-6
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
20			0 ppm					
22								
24								
26								
28								
30								
32								
34								▼
36								
38								
40			0 ppm		Brown to red fine sand with some medium sand.	40.0		
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-6
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **3** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48								
50								
52								
54								54.0
56								
58								
60			0 ppm					
62								62.0
64								65.0
66								
68								
70								70.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-6
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **4** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74							73.0	
76							75.0	
78								
80			0 ppm				80.0	
82							82.0	
84								
86							85.0	
88								
90			0 ppm			90.0	90.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-7

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **4**
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**
DRILLING CONTRACTOR					MEAS. PT. ELEV.
PURPOSE					GROUND ELEV.
WELL MATERIAL					DATUM
DRILLING METHOD(S)		SAMPLE	CORE	CASING	DATE STARTED **7/7/08**
DRILL RIG TYPE **CME 85**	TYPE				DATE FINISHED **7/9/08**
GROUND WATER DEPTH **27.0'**	DIA.	"			DRILLER **Shaun - ADT**
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **E. Moskal**
DATE OF MEASUREMENT	FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
0			0 ppm		Fine to medium sand with clayey silt and occasional gravel.			
10					Coarse sand and gravel with occasional silty zones.	10.5		

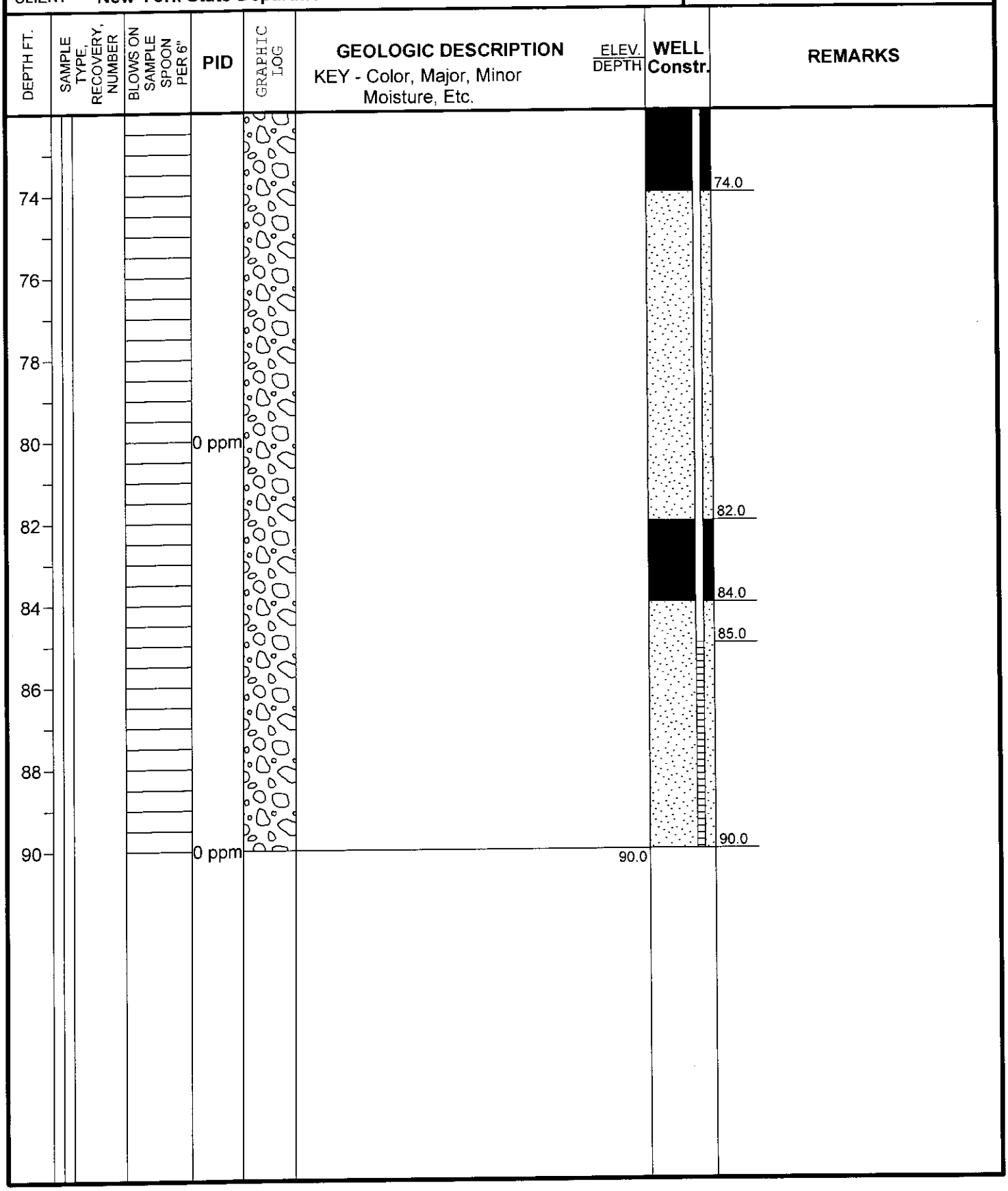
MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-7
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
20			0 ppm					
22								
24								
26								▼
28								
30								
32								
34								
36								36.0
38								38.0
40			0 ppm					40.0
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-7
PROJECT Munsey Cleaners OU-2	LOCATION Port Washington, NY	SHEET 3 OF 4
CLIENT New York State Department of Environmental Conservation		PROJECT No. 0266372

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
48								
50								50.0
52								53.0
54								54.0
56								
58								
60			0 ppm					61.0
62								62.0
64								64.0
66								
68								69.0
70								72.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-7
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **4** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**



MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-8

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **4**
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**
DRILLING CONTRACTOR					MEAS. PT. ELEV.
PURPOSE					GROUND ELEV.
WELL MATERIAL					DATUM
DRILLING METHOD(S)		SAMPLE	CORE	CASING	DATE STARTED **7/14/08**
DRILL RIG TYPE **CME 85**	TYPE				DATE FINISHED **7/15/08**
GROUND WATER DEPTH **52.0'**	DIA.	"			DRILLER **Shaun - ADT**
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **E. Moskal**
DATE OF MEASUREMENT	FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
			0.5 ppm		Brown, medium to coarse sand with fine to medium gravel.			
2								
4								
6								
8								
10								
12								
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-8
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22			1 ppm					
24								
26								
28								
30								
32								
34								
36								
38								
40			0 ppm					
42								
44								
							45.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-8
PROJECT Munsey Cleaners OU-2	LOCATION Port Washington, NY	SHEET 3 OF 4
CLIENT New York State Department of Environmental Conservation		PROJECT No. 0266372

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
48							47.0	
50								
52								▼
54								
56							57.0	
58								
60			0 ppm					
62								
64								
66								
68								
70							71.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-8
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **4** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
74							73.0	
76							75.0	
78								
80			0 ppm				80.0	
82							82.0	
84							83.0	
86							85.0	
88								
90			0 ppm				90.0	
							92.0	
						92.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-9

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **4**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**	
DRILLING CONTRACTOR					MEAS. PT. ELEV.	
PURPOSE					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S)			SAMPLE	CORE	CASING	DATE STARTED **7/10/08**
DRILL RIG TYPE **CME 75 & 85**		TYPE				DATE FINISHED **7/11/08**
GROUND WATER DEPTH **40.0'**		DIA.	"			DRILLER **Shaun - ADT**
MEASURING POINT		WEIGHT	#			PIRNIE STAFF **C. Whipple**
DATE OF MEASUREMENT		FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0 ppm		Light brown fine to medium sand with gravel. Gray clay at 77 ft bgs.			
4								
6								
8								
10								
12								
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-9
PROJECT Munsey Cleaners OU-2	LOCATION Port Washington, NY	SHEET 2 OF 4
CLIENT New York State Department of Environmental Conservation		PROJECT No. 0266372

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
20			0 ppm					
22								
24								
26								
28								
30								
32								
34								34.0
36								36.0
38								38.0
40			0 ppm					
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-9
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **3** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48							48.0	
50							50.0	
52								
54							55.0	
56							57.0	
58								
60			0 ppm					
62							62.0	
64							64.0	
66							66.0	
68							68.0	
70								

MALCOLM PIRNIE

TEST BORING LOG

BORING No.MC-9

PROJECT **Munsey Cleaners OU-2** | LOCATION **Port Washington, NY** | SHEET **4** OF **4**

CLIENT **New York State Department of Environmental Conservation** | PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74			0 ppm			73.0 75.0 77.0		
						77.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-1 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **4**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **8/3/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **8/11/09**
GROUND WATER DEPTH	**24.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **E. Moskal**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
2			0		Gravel subbase.	1.5		
					Brown gravelly SAND (dry).	3.0		
4			0					
6			0					
8								
10					Orange/brown coarse SAND with pea-sized gravel. Saturated below 25 feet bgs.	10.0		
12			0					
14								
16			0				16.0	
18							18.0	
							20.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-1 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22			0					
24								▼
26								
28								
30			0					30.0
32								32.0
34								
36			0					36.0
38								
40			0		Coarse SAND with medium gravel. Appears to be zone of high transmissivity.	40.0		
42								43.0
44					Fine to medium SAND.	45.0		45.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-1 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48			0					
50			0					
52								
54								
56			0		Very coarse SAND with medium gravel.	55.0		
58								
60								
62								
64								
66			0		Brown, fine to medium SAND with medium gravel.	65.0		
68								
70								
			0					

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-1 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
76			0		Gray, silty fine SAND with occasional gravel, sparse clay.	76.0		
78								
80			0				80.0	
82							82.0	
84								
86			0				85.0	
88								
90			0				90.0	
			0		Gray CLAY.	95.0	97.0	
						97.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **7**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **10/6/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **10/7/09**
GROUND WATER DEPTH	**60.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **B. Jordan**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Medium brown well graded gravelly SAND (dry).	0.5		
2	5							
4								
6	.8							
8								
10	.8							
12								
14								
16	.9							
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22	.9							
24								
26	1.25				Light brown poorly graded SAND (dry).	25.0		
28								
30					Light gray well graded gravelly SAND (dry).	30.0		
32	1.25				Brown poorly graded SAND with some iron staining (dry).	30.5		
34								
36	1.5							
38								
40	.75				Light tan well graded sandy GRAVEL, with iron staining (dry).	40.0		
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	.75							
48								
50	0							
52								
54								
					Light tan well graded SAND (dry).	55.0		
56	.7							
58								
60					Brown poorly sorted SAND, trace silt (moist).	60.0		
	.9				Medium to dark brown well graded SAND (moist).	61.0		
62								
64								
								65.0
					Medium brown well graded SAND with gravel (wet).	65.0		
66	2							
68								68.0
								70.0
70								
	1.6							

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
76	1.8							
78								
80	1.6							80.0
82								
84								
86	0							
88								
90	.4				Brown fine to medium SAND, some gravel, trace silt.	90.0		
92								
94								
96	.6				Brown/tan fine to medium SAND, 1-inch layer of cobble/gravel.	95.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **5** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
100	1.2				Brown fine SAND, some silt.	100.0		
102								
104								
106	2				Gray SILT and CLAY. 2-inch medium sand layer.	105.0		
108								
110	2				2-inch coarse sand layer.			
112								
114								
116	2							
118								
120	2				Gray/blue silty CLAY, trace sand.	120.0		
122								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **6** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
126	2							
128								
130	2							
132					Gray/red fine to medium SAND (iron staining).	131.0	131.0 / 133.0	
134								
136	1.6				Color change to brown.		135.0	
138								
140					Color change to gray.		140.0	
142	1.8				Gray/brown clayey SILT to clayey SAND.	140.5		
144								
146	1.8				Brown medium SAND (loose).	145.0		
148								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **7** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	2							
152					Reddish brown SILT and SAND (dense).	151.5		
154								
					Brown/tan fine SAND.	155.0		
156	1				Gray/red SILT and fine SAND (trace silty clay in shoe).	156.0		
						157.0		157.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **7**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **10/26/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **10/29/09**
GROUND WATER DEPTH	**46.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **B. Jordan**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Orange/brown medium SAND (dry).	0.5		
2	5		0					
4								
					Orange/brown fine to medium SAND (dry).	5.0		
6	1.25		0					
8								
					Orange/brown well graded gravelly SAND (dry).	10.0		
10	.92		0					
12								
14								
					Orange/brown fine to medium SAND (dry).	15.0		
16	1		0		Orange/brown well graded SAND with fine gravel (dry).	16.0		
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

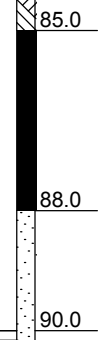
DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
					Tan/brown medium SAND (dry to wet at 31.5').	20.0		
	1.2		0					
22								
24								
26	1.25		0					
28								
30								
	1.25		0					
32								
34								
36	1.2		0		Medium brown sandy CLAY to clayey SILT (moist).	35.5		
					Brown fine to medium micaceous SAND (moist).	36.5		
38								
40					Medium brown SAND to silty SAND (moist).	40.0		
	1.4		0		Tan fine to coarse SAND (dry).	41.0		
42								
44								
					Medium brown fine to medium SAND (wet).	45.0		
								46.0 ▼

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	1.5		0					
48							48.0	
50							50.0	
	2		0		Medium reddish brown to light brown sandy SILT to silty SAND (wet).	51.0		
52								
54								
	2		0		Reddish brown to medium brown fine to medium SAND (wet).	55.0		
56								
58								
60							60.0	
	1.5		0					
62								
64								
66	2		0					
					Maroon to medium gray silty CLAY to clayey SILT (moist).	66.5		
68								
70								
	1.25		0					

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
76	.92		0		Maroon and medium gray silty fine SAND to sandy SILT (moist).	76.0		
78								
80	2		0					
82								
84								
86	2		0		Color change to light to medium gray.			
88								
90	2		0					
92								
94								
96	2		0					



MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **5** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
100						100.0		
102	2		0					
104								
106	2		0		Medium gray SILT, trace sand and clay.	105.0		
108								
110	2		0		Reddish gray clayey SILT (moist).	110.0		
112								
114								
116	2		0		Reddish gray CLAY, trace silt (moist).	115.0		
118								
120	2		0					
122								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **6** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
126	2		0					
128								
130	2		0					
132								
134								
136	2		0					
138								
140	2		0					
142								
144								
146	2		0					
148								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **7** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	2		0					
152								
154								
156	2		0					
						157.0		157.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-2 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **4**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **8/13/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **8/18/09**
GROUND WATER DEPTH	**64.0'**	DIA.	**"**		**2**	DRILLER **Joe**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **K. Roe**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt/concrete.			
					Concrete.	0.1		
					SAND with pea-gravel.	1.0		
					Concrete.			
2	5		0		Light to medium yellow/brown fine to medium SAND, little pea-gravel (dry to moist).	1.3		
4						1.7		
6	1		0.5					
8								
10					Color grade to orange/red brown (moist).			
	1.2		0					
12								
14								
					Orange/brown fine to medium SAND, trace pea-gravel (moist).	15.0		
16	1.4		0.1					
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-2 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

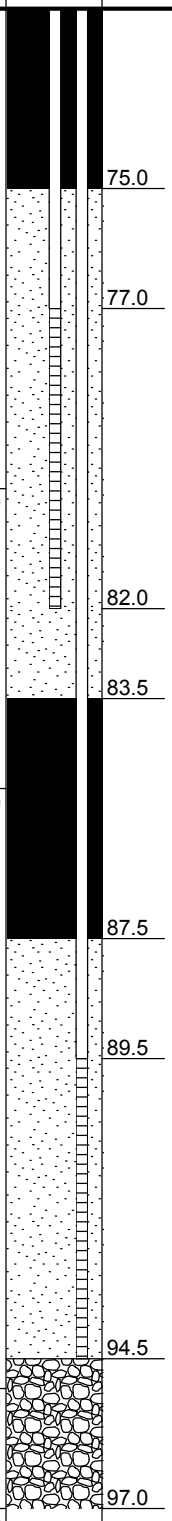
DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
					Light brown medium to coarse SAND, trace pea-gravel (dry to moist).	20.0		
	1.6		0					
22								
24								
					Light brown to orange/brown well graded SAND, trace pea-gravel (dry to moist).	25.0		
26	1.2		0					
28								
30					Light brown to orange/brown medium to coarse SAND (dry to moist).	30.0		
	1.2		0					
32								
34								
36	1.2		0					
38								
40					Light orange/brown medium SAND, some well graded gravel (moist to dry).	40.0		
	1		0					
42								
44								
					Light to orange/brown well graded gravelly SAND (moist to dry).	45.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-2 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48	1		0					
50	1.1		0		Light tan to light brown fine to medium SAND, trace coarse sand and fine gravel (dry).	50.0		
52								
54								
56	1.2		0.5		Light brown to light orange/brown gravelly SAND (dry to wet).	55.0		56.0
58								58.0
60	1.3		0.9					60.0
62								
64								
66	1.2		0.1					
68								
70	1.5		0					70.0
								72.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-2 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
74								
76	0							
78								
80	2		1.5		Medium brown to orange/brown well graded SAND (wet).	80.0		
82								
84								
86	2		0		Light brown fine to medium SAND (wet).	85.0		
88								
90	2		0					
92								
94								
	1.5		0		Dark bluish-gray CLAY (very stiff, wet).	95.0		
						97.0		



MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-3

PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**				SHEET **1** OF **4**	
CLIENT **NYSDEC**					PROJECT No. **0266380**	
DRILLING CONTRACTOR **Buffalo Drilling**					MEAS. PT. ELEV.	
PURPOSE **Monitoring Well Installation**					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S) **Rotary**		SAMPLE	CORE	CASING	DATE STARTED **8/24/09**	
DRILL RIG TYPE **HSA**	TYPE			**PVC**	DATE FINISHED **8/25/09**	
GROUND WATER DEPTH **65.0'**	DIA.	**"**		**2**	DRILLER **Larry**	
MEASURING POINT	WEIGHT	**#**			PIRNIE STAFF **B. Jordan**	
DATE OF MEASUREMENT	FALL	**"**				

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0		Orange to tan gravelly SAND.			
4								
6	1.5		0					
8								
10	1.5		0					
12								
14								
16	1.5		0					
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-3
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

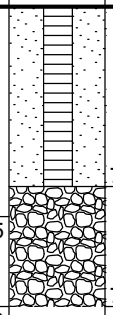
DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22	1.5		0					
24								
					Orange to tan SAND with gravel.	25.0		
26	1.5		0					
28								
30	1.5		0					
32								
34								
36	1.5		0					
38								
40	1.5		0					
42								
44								
					Silty fine SAND to sandy SILT.	45.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-3
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	1.5		0					
48								
50	1		0					
52								
54								
56	1.5		0					
58								
60								59.5
	1.5		0		Orange fine SAND with some medium sand.	60.0		
62								62.0
64								
								65.0 ▼
66	1.5		0		Medium to coarse SAND with some find sand.	65.0		
68								
70								
	2		0		Medium to coarse SAND, occasional fine gravel.	70.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-3
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
	2		0		Gray CLAY.	75.5		
						77.0		



MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-4 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **3**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **8/26/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **8/28/09**
GROUND WATER DEPTH	**25.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **B. Jordan**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Reddish brown sandy SILT.	0.5		
2	5		0					
4								
					Medium brown gravelly SAND.	5.0		
6	1.5		0					
8								
10					Tan SAND with some gravel.	10.0		
	1.5		0					
12								
14								
					Tan SAND, iron staining between 20-22 feet.	15.0		
16	1.5		0					
18								
							18.5	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-4 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **3**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22	1		0				21.0	
24							23.0	
26	1.5		0		Tan SAND with some micaceous layers.	25.0		
28								
30	2		0					
32								
34							33.0	
36	1.75		0		3-inch layer of silty SAND.		36.0	
38							38.0	
40	1.5		0		Tan SAND to gravelly SAND.	40.0	40.0	
42								
44							45.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-4 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **3**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	1.25		0					
48								
50					Tan to orange gravelly SAND.	50.0		
	1.5		0					
52								53.0
54								
	0.33		0					56.0
56								
58								58.0
60					Gray fine to coarse SAND.	60.0		
	2		0					
62								63.0
64								
					Bluish-gray CLAY.	65.0		
	1.5		0					67.0
						67.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-5 B/C

PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**				SHEET **1** OF **5**	
CLIENT **NYSDEC**					PROJECT No. **0266380**	
DRILLING CONTRACTOR **Buffalo Drilling**					MEAS. PT. ELEV.	
PURPOSE **Monitoring Well Installation**					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S) **Rotary**		SAMPLE	CORE	CASING	DATE STARTED **8/31/09**	
DRILL RIG TYPE **HSA**	TYPE			**PVC**	DATE FINISHED **9/16/09**	
GROUND WATER DEPTH **21.0'**	DIA.	**"**		**2**	DRILLER **Larry**	
MEASURING POINT	WEIGHT	**#**			PIRNIE STAFF **J. Hock/B. Jordan**	
DATE OF MEASUREMENT	FALL	**"**				

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Tan/orange medium SAND, some gravel (dry).	0.5		
2	5		0					
4								
					Brown/orange medium SAND (dry).	5.0		
6	1.5		0					
8								
10					Tan/brown medium SAND, some gravel (dry).	10.0		
	1.3		0					
12								
14								
	1.5		0					
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-5 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
					Brown medium SAND, some gravel (wet).	20.0		▼
	1.2		0					
22								
24								
					Coarse GRAVEL.	25.0		
26	1.7		0		Gray clayey SILT, oxidized.	25.9		
28								
30					Tan medium to coarse SAND with gravel, oxidized.	30.2		
	2		0					
32					Brown medium SAND.	31.6		
34								
					Brown coarse SAND and GRAVEL, oxidized.	35.0		
36	1.7		0		Gray SAND and SILT.	35.8		
38								
40								
	2		0		Red fine to medium SAND, some gravel.	41.0		
42								
44								
					Gray CLAY, trace sand.	45.5		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-5 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	2		0					
48								
50	.5		0					
52								
54								
								55.0
					Tan medium SAND with gravel.	55.0		
56	2		0					
					Color change to red.			
								57.5
58								
								60.0
60					Color change to brown/red.			
	2		0					
62								
64								
66	2		0					
68								
								70.0
70								
	0		0					

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-5 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
76	.3		0		Brown fine to medium SAND.	75.0		
78								
80	2		0		Brown medium SAND.	80.0		
82								
84								
86	1.5		0					
88								
90	0		0					
92								
94								
96	1		0		Brown fine to medium SAND.	95.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-5 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **5** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
100	2		0					
102								
104								
106	2		0					
108								
110	2		0				110.3	
112							113.0	
114							115.0	
116	2		0					
118								
120	1		0		Silty CLAY.	121.8	120.0	
						122.0	122.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-6 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **6**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **9/10/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **9/16/09**
GROUND WATER DEPTH	**60.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **K. Roe/E. Moskal**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Gravel subbase.	0.5		
2	5		0		Orange/brown well graded SAND, little to some well graded gravel (dry, loose).	1.0		
4								
6	1		0		Light to medium brown medium to coarse GRAVEL and fine to medium SAND, trace silt (dry).	5.0		
8								
10	1.7		0		Orange/brown fine SAND, trace silt (dry to moist).	10.0		
12								
14								
16	1.8		0					
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-6 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **6**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22	1.6		0					
24								
26	1.8		0		Gray/brown fine SAND, little to trace silt (very moist to wet).	25.0		
28								
30	2		0					
32								
34								
36	2		0		Brown/gray fine SAND and SILT, iron staining (wet to moist).	35.0		
38								
40	2		0.2		Grown/gray SILT, trace fine sand, trace clay, iron staining (moist).	40.0		
42								
44								
					Medium gray silty CLAY (moist).	45.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-6 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **6**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	2		0					
48								
50	2		0					
52								
54								
					Medium gray clayey SILT (moist to dry).	55.0		
56	2		0					
58								
60					Medium gray sandy SILT, little to trace clay (moist).	60.0		▼
	1.9		0					
62								
64								
66	2		0.0.1					
68								
70							70.0	
	2		0					
							72.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-6 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **6**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74							74.0	
76	2		0.1		Gray/brown silty fine SAND (wet).	75.5		
					Gray/brown sandy SILT (moist).	75.7		
78					Dark reddish gray fine to medium SAND (wet).	76.5		
80	1		0		Medium gray fine to medium SAND, trace silt, trace coarse sand (wet).	80.0		
82								
84							84.0	
86	1.5		0					
88								
90	1.8		0					
92					Medium brown medium SAND, little to trace coarse sand and fine gravel (wet).	91.8		
94								
96	2		0 0.8		Reddish brown silty fine SAND (wet).	96.5		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-6 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **5** OF **6**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
100								100.5
	0.8		1.4					
102								103.3
104								105.0
106	1		1					
108								
110								
	1		2.1					
112								
114								115.0
116	0.1		2.1					
118								
120					Medium brown with light tan medium to coarse SAND, little fine sand (wet).	120.0		121.0
	1.2		0.2					123.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-6 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **6** OF **6**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
						125.0		
	1.5				Gray fine to medium SAND, some silt (wet).	125.0		
						130.0		
	1				Gray silty CLAY.	130.5		
	2				Gray silty CLAY.	135.0		
						137.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-7 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **5**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **9/21/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **9/23/09**
GROUND WATER DEPTH	**25.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **K. Roe**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Medium brown gravelly SAND with cobbles.	0.3		
2	1.2							
4								
					Medium brown silty SAND.	5.0		
6	1.1				Medium brown gravelly SAND.	6.0		
8								
10					Reddish brown poorly graded SAND to silty SAND.	10.0		
12								
14								
					Light brown poorly graded SAND.	15.0		
16	1.2							
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-7 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
22	1.3						22.0	
24							24.0	
26	1.1							
28							28.0	
30	2				Medium brown well graded SAND (wet).	30.0		
32							33.0	
34								
36	2							
38								
40	.8				Medium brown well graded gravelly SAND (wet).	40.0		
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-7 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	1.7							
48								
50	2							
52								
54								
56	1.7							
58								
60	1.5							
62								62.0
64								65.0
66	1.7							
68								69.0
70	1.1							

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-7 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74						74.0		
76	1.6				Color change to reddish brown.			
78								
80	2				Color change to medium brown.			
82								
84								
86	.7				Medium brown poorly graded SAND (wet).	85.0		
88								
90	1.7				Medium brown well graded SAND (wet).	91.0		
92					Reddish brown grading to medium brown poorly graded SAND (wet).	91.5		
94								
96	2							

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-7 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **5** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
100								
	2							
102								
104								
106	1.8							
108								
110								
	2							
112								
114								
116	2				Medium brown silty fine SAND (wet).	116.0		
118								
120					Medium brown poorly graded SAND (wet).	120.0		
	1.9							
						122.0		

111.0
113.0
115.0
120.0
122.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **7**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **9/25/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **9/30/09**
GROUND WATER DEPTH	**32.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **B. Jordan**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	5		0		Medium to dark brown fine SAND to coarse GRAVEL.			
4								
6	1		0		Grayish brown fine to medium silty SAND, some coarse gravel (moist).	5.0		
8								
10	1.2		0		Medium brown poorly graded SAND (dry).	10.0		
12								
14								
16	1.3		0					
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22	1.2		0					
24								
26	1.1		0					25.0 27.0
28								29.0
30	1.25		0		Medium to light brown well graded SAND (moist).	30.0		
32								
34								
36	1.75		0					
38								39.0
40	.8		0					
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	2		0					
48								
50	1.25		0		Medium brown well graded SAND with gravel (wet).	50.0		
52								
54								
56	2		0					
58								
60	2		0					
62								
64								
	2		0		Medium brown poorly graded SAND (wet).	65.0		
66					Medium brown well graded SAND with gravel (wet).	66.0		
68								
70								
	1.75		0		Medium brown poorly graded SAND (wet).	70.5		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
					Medium reddish brown to brown well graded SAND with gravel (wet).	72.0		
74								
76	0							
78								
80								
	2		0					
82								
84								
86	0							
88								
90								
	2		0					
92								
94								94.0
					Medium brown well graded SAND (wet).	95.0		
96	2		0					
								97.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **5** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
								100.0
100					Medium brown well graded SAND, trace gravel (wet).	100.0		
	.9		0					
102								
104								105.0
	1.8		0					
	0				No recovery.	110.0		
	0							
	0							

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **6** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	1.5		0		Brown fine SAND.	125.0		
					No recovery.	127.0		
	0							
	0							
	0						144.0	
							146.0	
	0							

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **7** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
	2		0		Brown fine SAND.	150.0		151.0
					Gray CLAY (dense).	151.7		
						152.0		153.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-9

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **2**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **9/30/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **9/30/09**
GROUND WATER DEPTH	**11.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **B. Jordan**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Medium brown well graded gravelly SAND with cobbles (dry).	0.3		
2	5		0					
4								
								5.0
6	0							
								7.0
8								
								9.0
10					Medium brown well graded SAND with silt and gravel (wet).	10.0		
	.25		0					
12								
14								
					Medium brown poorly graded SAND with gravel (wet).	15.0		
16	1.6		0					
18								
								19.0
					Medium brown well graded gravelly SAND (wet)	19.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-9
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **2**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	1.6		0		Medium brown poorly graded SAND (wet). Medium brown sandy SILT (wet).	20.0 20.5 21.0		21.0

APPENDIX C – FIELD SAMPLING PLAN

Groundwater Sampling

Groundwater sampling employs a non-purge method. The monitoring wells are sampled utilizing pre-filled and sealed passive diffusion bag (PDB) samplers supplied by ALS Environmental. Two versions are used based on well construction; 24-inch, 220 ml PDBs are installed in wells with 5-foot screens and 48-inch, 220 ml units are used for those with 10 and 15-foot screens. The depth of the well and the depth to groundwater from top of casing (i.e. approximately land surface) are measured and documented prior to deployment of the PDBs. The PDBs are then installed at a depth corresponding to the approximate midpoint of the screen zone and left in place to equilibrate with the formation water for a three week period. They are subsequently retrieved and contents transferred to laboratory supplied 40 ml bottles and shipped via courier to ELAP-certified laboratory for analysis of volatile organic compounds (VOCs) by EPA SW-846 Method 8260C.

Monitoring well MC-3 cannot be sampled as the road box had been filled with concrete sometime after the 2013 fall sampling and prior to sampling performed in the fall of 2014.

Monitoring wells MC-10A, MC-10B and MC-10C (that comprise a multi-level well nest installed within a single manhole) were not sampled as the top portion of the well is severely damaged and the manhole could not be opened.

Surface Water Sampling

Grab samples are collected from Baxter Pond (3 samples) and Baxter Brook (4 samples) and analyzed by an ELAP certified laboratory for VOCs by EPA SW-846 Method 8260C.

Sandy Hollow Well Field Sampling

Two raw water grab samples are collected from the Sandy Hollow Well Field and analyzed by an ELAP-certified laboratory for VOCs by EPA SW-846 Method 8260C.

APPENDIX D – QUALITY ASSURANCE PROJECT PLAN

All sampling and analyses will be performed in accordance with the requirements of the Quality Assurance Project Plan (QAPP) prepared for the site. Main Components of the QAPP include:

- QA/QC Objectives for Data Measurement: ensure data collected during monitoring/inspection events are of suitable quality and quantity.
- Sampling Program:
  - Sample containers will be properly washed, decontaminated, and appropriate preservative will be added (if applicable) prior to their use by the analytical laboratory. Containers with preservative will be tagged as such.
  - Sample holding times will be in accordance with the NYSDEC ASP requirements.
  - Field QC samples (e.g., trip blanks, coded field duplicates, and matrix spike/matrix spike duplicates) will be collected as necessary.
- Sample Tracking and Custody: All samples will be identified with a sample label attached to each bottle with a unique sample number. They will be packed in a cooler with ice to preserve the sample and shipped to the laboratory or transferred to a courier. A chain-of-custody will be completed for each cooler, signed and dated by the sample collector, and all recipients of the samples.
- Calibration Procedures:
  - All field analytical equipment will be calibrated immediately prior to each day's use. Calibration procedures will conform to manufacturer's standard instructions.
  - The laboratory will follow all calibration procedures and schedules as specified in USEPA SW-846 and subsequent updates that apply to the instruments used for the analytical methods.
- Analytical Procedures: All analytical procedures will follow USEPA SW-846.
- Preparation of a Data Usability Summary Report (DUSR), which will present the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method will be prepared by a third party apart from the laboratory.
- QA Performance and System Audits: Audit reports may be generated during the conduct of activities that includes assessment of measurement accuracy, precision, and completeness, results of performance/system audits, significant QA problems and recommended solutions for future projects, and status of solutions to any problems previously identified.
- Preventative Maintenance Procedures and Schedules: The Preventative Maintenance program consists of normal upkeep, service and repair, and formal record keeping. Normal upkeep consists of daily procedures (i.e. cleaning, lubrication, battery check/charge, and inspection). Service and repair is performed by the Equipment Manager or for more complex repair, the manufacturer. All maintenance, service and repair shall be recorded and kept on file.

- Corrective Action Measures: Corrective actions will be taken when QA objectives for precision, accuracy, completeness, representativeness or comparability are not met or when procedural practices or other conditions are not acceptable. A non-conformance report will be prepared that describes the unacceptable condition, nature of the corrective measures and a schedule for compliance. A Stop Work Order can be issued if corrective action does not adequately address the problem.
- Reporting requirements: Project management will be informed of QA activities through the receipt, review, and/or approval of Project-specific QA project plans, Corporate and project-specific QA/QC plans and procedures, Corrective action notices, Non-conformance records.

APPENDIX E – HEALTH AND SAFETY PLAN

Plaza Cleaners/Former Munsey Cleaners Groundwater Plume OU-2

Address: 966 Port Washington Blvd & 1029 Port Washington Blvd, Port Washington, NY
Nassau County, Region 1
Site No.: 130108/130081

Proposed date of sampling: The annual sampling event generally occurs in September/October.

The Remedial Investigations are dated January 2012 and the RODs are dated July 2012.

The contaminants of concern at this site include PCE, TCE, DCE.

The overall hazard level anticipated on-site and off-site for the sampling activities are low.

ON-SITE ACTIVITIES

Has this site been sampled and/or investigated before?	☒Yes ☐ No
Has the site perimeter been identified?	☐Yes ☒ No
Is the site fenced?	☐Yes ☒ No
Is a site map/sketch available?	☒Yes ☐ No
Has areas of contamination been identified?	☒Yes ☐ No
Will air quality monitoring be done on-site?	☐Yes ☒ No
Is sampling planned at this site?	☒Yes ☐ No

Groundwater and Surface water will be sampled from VOCs via 8260C

The proposed sampling activities include:

- Opening of monitoring well covers, gauging the monitoring well, placing the PDB
- Recovery of PDBs, collection of groundwater sample from PDB
- Collection of surface water samples from Baxter Brook and Pond
- Collection of public supply well groundwater sample

Respiratory Protection Required?	☐Yes ☒ No
Personnel Protection anticipated:	Level D (no external respiratory protection)
Personal Protection Equipment for Level D:	work clothes work boots nitrile gloves

Air quality monitoring equipment to be used: None

General Safety Practices

All project personnel shall follow the following safety practices:

- Avoid skin exposure to groundwater and surface water.
- No eating or drinking in designated work areas. Thoroughly wash hands prior to these activities outside the work area. Avoid sitting on the ground during breaks or while eating and drinking. Thoroughly wash all exposed body areas at the end of the workday.
- Be aware of site conditions (slips trips and falls) and climatic conditions (heat and cold) when performing site activities.

EMERGENCY PLANNING

	Address	Phone
Hospital	St. Francis Hospital 1000 Port Washington Blvd Roslyn, NY 11576	911 (516) 562-6000
Police	Port Washington Police District 500 Port Washington Blvd Port Washington, NY 11050	911 (516) 883-0500
NYSDEC	Melissa Sweet, Project Manager 625 Broadway Albany, NY 12233-7015	(518) 402-9620
NYSDOH	Renata Ockerby, Project Manager Bureau of Environmental Exposure Investigation Empire State Plaza, Corning Tower Room 1787 Albany, NY 12237	(518) 402-7860

No Community Air Monitoring Plan is included in this document because intrusive activities are not expected to occur as part of the normal inspection/sampling activities.

APPENDIX F

SITE MANAGEMENT FORMS

This Appendix should include all site specific site management forms including site inspection form, routine operation and maintenance forms and non-routine operations and maintenance forms for the site. The forms should be completed during site maintenance activities and provided to the NYSDEC in electronic format in accordance with the reporting requirements specified in Section 6.0 of the SMP. All forms presented are subject to approval of the NYSDEC and should include the minimum reporting requirements as described in Section 6.0.

DAILY INSPECTION REPORT

Site Code #:	Date:	Report #:

Site Name:
Location:
DEC Project Manager:
DEC Consultant Project Manager:
Contractor:

	AM	PM
Weather		
Temperature		
Wind Direction		

Description of work performed by contractor this report period:

Discussions/comments regarding visitors, contractor and/or engineer:

Sampling this report period:

Health & Safety:
Level of protection:

Is the level of protection in conformance with the approved Health & Safety Plan?

List deviations:

Are atmospheric monitoring results acceptable?

Site Visitors	Representing	Entered Exclusion Zone

Contractor's Information:

Prime contractor worked from:

Subcontractor	Activity	Hours Worked

Equipment	P	1	2	3	4	Personnel	P	1	2	3	4

Site Representative:

Date:

Representative's Signature:

Photo Log

APPENDIX G

O&M Documents

The O&M Documents will include all as-built drawings and catalog-cuts on all fixed equipment necessary to operate and maintain the remedial system including any pumps, blowers, etc.

The O&M Manual is to be revised on a periodic basis and must be kept up to date by the remedial party.

RadonAway
The world's leading radon fan manufacturer

GP PRO SERIES

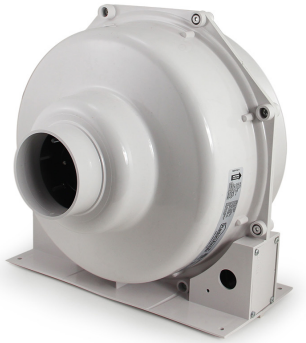
INSTALLS WHITE, STAYS WHITE

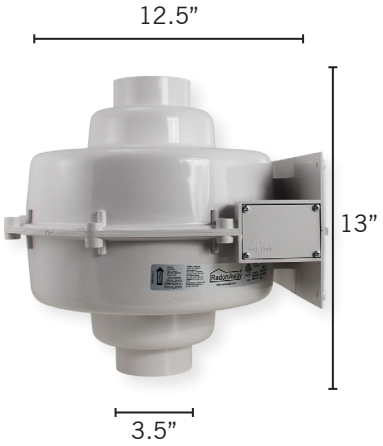
Radon Mitigation Fan

All RadonAway® fans are specifically designed for radon mitigation. GP Series Fans offer a wide range of performance options that make them ideal for most sub-slab radon mitigation systems.

Features

- NEW Stay-White™ housing
- Quiet operation
- Water-hardened motor
- Seams sealed under negative pressure (to inhibit radon leakage)
- Mounts on duct pipe or with integral flange
- 3" diameter ducts for use with 3" or 4" pipe
- Electrical box for hard wire or plug in
- ETL Listed - for indoor or outdoor use
- 4 interchangeable GP models





MODEL	P/N	FAN DUCT DIAMETER	WATTS	RECOM. MAX. OP. PRESSURE "WC	TYPICAL CFM vs. STATIC PRESSURE WC						
					1.0"	1.5"	2.0"	2.5"	3.0"	3.5"	4.0"
GP201	28465	3"	31-65	1.8	54	42	11	-	-	-	-
GP301	28466	3"	56-100	2.3	64	54	41	4	-	-	-
GP401	28467	3"	62-128	3.0	-	61	52	44	22	-	-
GP501	28468	3"	68-146	3.8	-	-	66	58	50	27	4

Made in USA with U.S. and imported parts.

ETL Listed

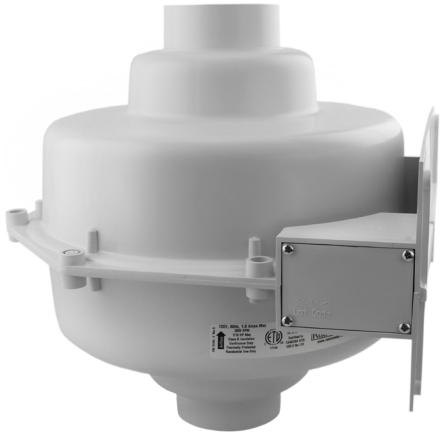
All RadonAway® inline radon fans are covered by our 5-year, hassle-free warranty.

For Further Information, Contact Your Radon Professional:

Rev D 0517
P/N 02045

RadonAway®

The world's leading radon fan manufacturer



GP/GPc, XP/XPc, XR Series Installation Instructions

DO NOT CONNECT POWER SUPPLY UNTIL FAN IS COMPLETELY INSTALLED. MAKE SURE ELECTRICAL SERVICE TO FAN IS LOCKED IN "OFF" POSITION. DISCONNECT POWER BEFORE SERVICING FAN.

1. **WARNING!** For General Ventilating Use Only. Do Not Use to Exhaust Hazardous, Corrosive or Explosive Materials, Gases or Vapors. See Vapor Intrusion Application Note #AN001 for important information on VI Applications. RadonAway.com/vapor-intrusion

2. **NOTE:** Fan is suitable for use with solid state speed controls; however, use of speed controls is not generally recommended.

2. **WARNING!** Check voltage at the fan to insure it corresponds with nameplate.

3. **WARNING!** Normal operation of this device may affect the combustion airflow needed for safe operation of fuel burning equipment. Check for possible backdraft conditions on all combustion devices after installation.

4. **NOTICE!** There are no user serviceable parts located inside the fan unit. **Do NOT attempt to open.** Return unit to the factory for service.

5. **WARNING!** Do not leave fan unit installed on system piping without electrical power for more than 48 hours. Fan failure could result from this non-operational storage.

6. **WARNING!** TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

    a) Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.

    b) Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

    c) Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire rated construction.

    d) Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturers' guidelines and safety standards such as those published by any National Fire Protection Association, and the American Society for Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), and the local code authorities.

    e) When cutting or drilling into a wall or ceiling, do not damage electrical wiring and other hidden utilities.

    f) Ducted fans must always be vented to outdoors.

    g) If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFCI (Ground Fault Circuit Interrupter) protected branch circuit.

XP/XPc/XR Fan Series
XP151 | P/N 28469
XP151c | P/N 23010-1
XP201 | P/N 28470
XP201c | P/N 23011-1
XR261 | P/N 28471

GP/GPc Fan Series
GP201 | P/N 28465
GP201c | P/N 23007-1
GP301 | P/N 28466
GP301c | P/N 23006-1
GP401 | P/N 28467
GP401c | P/N 23009-1
GP501 | P/N 28468
GP501c | P/N 23005-1

1.0 SYSTEM DESIGN CONSIDERATIONS

1.1 INTRODUCTION

The GP/GPc, XP/XPc and XR Series Radon Fans are intended for use by trained, professional, certified/licensed radon mitigators. The purpose of these instructions is to provide additional guidance for the most effective use of GP/GPc, XP/XPc and XR Series Fans. These instructions should be considered supplemental to EPA/radon industry standard practices, state and local building codes and regulations. In the event of a conflict, those codes, practices and regulations take precedence over these instructions.

1.2 FAN SEALING

The GP/GPc, XP/XPc and XR Series Fans are factory sealed; no additional caulk or other materials are required to inhibit air leakage.

1.3 ENVIRONMENTALS

The GP/GPc, XP/XPc and XR Series Fans are designed to perform year-round in all but the harshest climates without additional concern for temperature or weather. For installations in an area of severe cold weather, please contact RadonAway for assistance. When not in operation, the fan should be stored in an area where the temperature is never less than 32 degrees F or more than 100 degrees F.

1.4 ACOUSTICS

The GP/GPc, XP/XPc and XR Series Fans, when installed properly, operate with little or no noticeable noise to the building occupants. The velocity of the outgoing air should be considered in the overall system design. In some cases the “rushing” sound of the outlet air may be disturbing. In these instances, the use of a RadonAway Exhaust Muffler is recommended.

(To ensure quiet operation of inline and remote fans, each fan shall be installed using sound attenuation techniques appropriate for the installation. For bathroom and general ventilation applications, at least 8 feet of insulated flexible duct shall be installed between the exhaust or supply grille(s) and the fan(s). GP/GPc, XP/XPc and XR Series Fans are not suitable for kitchen range hood remote ventilation applications.)

1.5 GROUND WATER

In the event that a temporary high water table results in water at or above slab level, water may be drawn into the riser pipes, thus blocking air flow to the GP/GPc, XP/XPc and XR Series Fan. The lack of cooling air may result in the fan cycling on and off as the internal temperature rises above the thermal cutoff. Should this condition arise, it is recommended that the fan be turned off until the water recedes, allowing for return to normal operation.

1.6 SLAB COVERAGE

The GP/GPc, XP/XPc and XR Series Fans can provide coverage up to 2000+ sq. ft. per slab penetration. This will primarily depend on the sub-slab material in any particular installation. In general, the tighter the material, the smaller the area covered per penetration. Appropriate selection of the GP/GPc, XP/XPc and XR Series Fan best suited for the sub-slab material can improve the slab coverage. The GP/GPc and XP/XPc Series have a wide range of models to choose from to cover a wide range of sub-slab materials. The XR Series is specifically designed for high flow applications such as stone/gravel and drainage tile. Additional suction points can be added as required. It is recommended that a small pit (5 to 10 gallons in size) be created below the slab at each suction hole.

1.7 CONDENSATION & DRAINAGE

Condensation is formed in the piping of a mitigation system when the air in the piping is chilled below its dew point. This can occur at points where the system piping goes through unheated space such as an attic, garage or outside. The system design must provide a means for water to drain back to a slab hole to remove the condensation. The GP/GPc, XP/XPc and XR Series Fan MUST be mounted vertically plumb and level, with the outlet pointing up for proper drainage through the fan. Avoid mounting the fan in any orientation that will allow water to accumulate inside the fan housing. The GP/GPc, XP/XPc and XR Series Fans are NOT suitable for underground burial.

For GP/GPc, XP/XPc and XR Series Fan piping, the following table provides the minimum recommended pipe diameter and pitch under several system conditions.

Pipe Diameter	Minimum Rise per Ft of Run*		
	@25 CFM	@50 CFM	@100 CFM
4”	1/8”	1/4”	3/8”
3”	1/4”	3/8”	1 1/2”

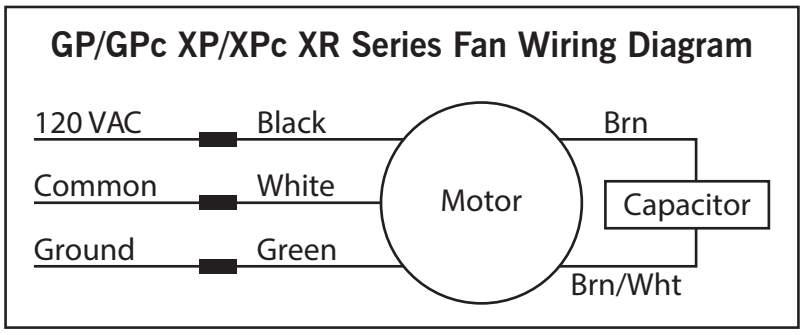
*Typical GP/GPc, XP/XPc and XR Series Fan operational flow rate is 25 - 90 CFM. (For more precision, determine flow rate by measuring Static Pressure, in WC, and correlate pressure to flow in the performance chart in the addendum.)

1.8 SYSTEM MONITOR & LABEL

A System Monitor, such as a manometer (P/N 50017) or audible alarm (P/N 28001-2, 28001-4 or 28421), is required to notify the occupants of a fan system malfunction. A System Label (provided with Manometer P/N 50017) with instructions for contacting the installing contractor for service and identifying the necessity for regular radon tests to be conducted by the building occupants must be conspicuously placed in a location where the occupants frequent and can see the label.

1.8 ELECTRICAL WIRING

The GP/GPc, XP/XPc and XR Series Fans operate on standard 120V, 60Hz AC. All wiring must be performed in accordance with National Fire Protection (NFPA) National Electrical Code, Standard #70, current edition, for all commercial and industrial work, and state and local building codes. All wiring must be performed by a qualified and licensed electrician. Outdoor installations require the use of a UL Listed watertight conduit. Ensure that all exterior electrical boxes are outdoor rated and properly sealed to prevent water penetration into the box. A means, such as a weep hole, is recommended to drain the box.

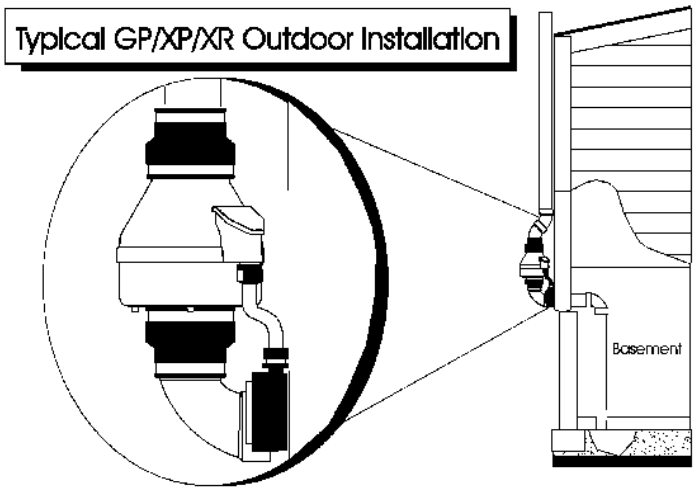


1.9 SPEED CONTROLS

The GP/GPc, XP/XPc and XR Series Fans are rated for use with electronic speed controls; however, speed controls are generally not recommended. If used, the recommended speed control is Pass & Seymour Solid State Speed Control (Cat. No. 94601-1).

2.0 INSTALLATION

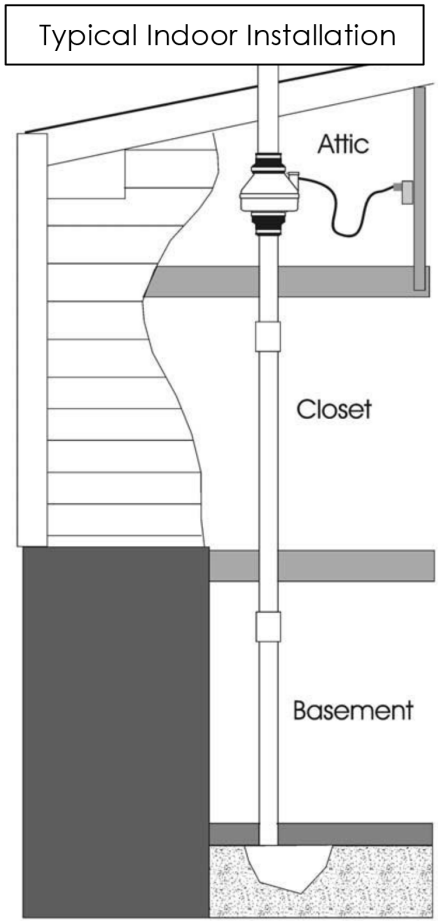
The GP/GPc, XP/XPc and XR Series Fans can be mounted indoors or outdoors. (It is suggested that EPA and radon mitigation standards recommendations be followed in choosing the fan location.) The GP/GPc fans have an integrated mounting bracket; XP/XPc and XR Series Fans may be mounted directly on the system piping or fastened to a supporting structure by means of an optional mounting bracket.



The ducting from the fan to the outside of the building has a strong effect on noise and fan energy use. Use the shortest, straightest duct routing possible for best performance, and avoid installing the fan with smaller ducts than recommended. Insulation around the ducts can reduce energy loss and inhibit mold growth. Fans installed with existing ducts may not achieve their rated airflow.

2.1 MOUNTING

Mount the GP/GPc, XP/XPc and XR Series Fan vertically with outlet up. Insure the unit is plumb and level. When mounting directly on the system piping assure that the fan does not contact any building surface to avoid vibration noise.



2.2 MOUNTING BRACKET (optional)

The XP/XPc and XR Series Fans may be optionally secured with the RadonAway P/N 25007 mounting bracket. Foam or rubber grommets may also be used between the bracket and mounting surface for vibration isolation.

2.3 SYSTEM PIPING

Complete piping run, using flexible couplings as a means of disconnect for servicing the unit and for vibration isolation. As the fan is typically outside of the building thermal boundary and is venting to the outside, installation of insulation around the fan is not required.

2.4 ELECTRICAL CONNECTION

Connect wiring with wire nuts provided, observing proper connections (See Section 1.8).
Note that the fan is not intended for connection to rigid metal conduit.

2.5 VENT MUFFLER (optional)

Install the muffler assembly in the selected location in the outlet ducting. Solvent weld all connections.
The muffler is normally installed at the end of the vent pipe.

2.6 OPERATION CHECKS & ANNUAL SYSTEM MAINTENANCE

_____ **Verify** all connections are tight and **leak-free**.

_____ **Ensure** the GP/GPc, XP/XPc and XR Series Fan and all ducting are **secure and vibration-free**.

_____ **Verify system vacuum pressure** with manometer. **Insure** vacuum pressure is within normal operating range and **less than** the maximum recommended operating pressure.
(Based on sea-level operation, at higher altitudes reduce by about 4% per 1000 feet)
(Further reduce Maximum Operating Pressure by 10% for High Temperature environments.)
See Product Specifications. If this is exceeded, increase the number of suction points.

_____ **Verify Radon levels** by testing to EPA Protocol and applicable testing standards.

XP/XPc and XR Series Product Specifications

The following chart shows fan preformance for the XP/XPc and XR Series Fans:

Typical CFM Vs. Static Pressure "WC						
	0"	**.5"**	**1.0"**	**1.5"**	**1.75"**	**2.0"**
XP151/XP151c	150	115	69	-	-	-
XP201/XP201c	112	95	70	40	-	-
XR261	217	149	87	27	-	-

Model	Power Consumption 120VAC, 60Hz, 1.5 Amp Maximum	Maximum Recommended Operation Pressure* (Sea Level Operation)**
XP151/XP201c	45 - 60 watts	1.3" WC
XP201/XP201c	45 - 66 watts	1.7" WC
XR261	67 - 117 watts	1.6" WC

**Reduce by 10% for High Temperature Operation **Reduce by 4% per 1000 ft. of altitude.*

Model	Size	Weight	Inlet/Outlet
XP151/XP151c	9.5"H x 8.5" Dia.	6 lbs	4.5"OD (4.0" PVC Sched 40 size compatible)
XP201/XP201c	9.5"H x 8.5" Dia.	6 lbs	4.5" OD
XR261	9.5"H x 8.5" Dia.	7 lbs	6" OD

XP/XPc Series Inlet/Outlet: 4.5" OD (4.0" PVC Sched 40 size compatible)
XR Series Inlet/Outlet: 6" OD
Size: 9.5H" x 8.5" Dia.
Weight: 6 lbs. (XR261 - 7 lbs)
Recommended Ducting: 3" or 4" Schedule 20/40 PVC Pipe
PVC Pipe Mounting: Fan may be mounted on the duct pipe or with integral flanges.
Storage Temperature Range: 32-100 degrees F

Thermal Cutout:

XP151.151c	130°C (266°F)
XP201/201c	130°C (266°F)
XR261	130°C (266°F)

Continuous Duty
Thermally Protected
Class B Insulation
3000 RPM
Residential Use Only
Rated for Indoor or Outdoor Use

LISTED
Electric Fan

Intertek
77728

Conforms to
UL STD. 507
Certified to
CAN/CSA STD.
C22.2 No.113

GP/GPc Series Product Specifications

The following chart shows fan preformance for the GP/GPc Series Fans:

Typical CFM Vs. Static Pressure "WC							
	1.0"	**1.5"**	**2.0"**	**2.5"**	**3.0"**	**3.5"**	**4.0"**
GP201/GP201c	54	42	11	-	-	-	-
GP301/GP301c	64	54	41	4	-	-	-
GP401/GP401c	-	61	52	44	22	-	-
GP501/GP501c	-	-	66	58	50	27	4

Model	Power Consumption 120VAC, 60Hz, 1.5 Amp Maximum	Maximum Recommended Operation Pressure* (Sea Level Operation)**
GP201/GP201c	31-65 watts	1.8" WC
GP301/GP301c	56-100 watts	2.3" WC
GP401/GP401c	62-128 watts	3.0" WC
GP501/GP501c	68 - 146 watts	3.8" WC

**Reduce by 10% for High Temperature Operation **Reduce by 4% per 1000 ft. of altitude.*

Model	Size	Weight	Inlet/Outlet
GP201/GP201c	13.5"H x 12.5" Dia.	12 lbs	3.5"OD (3.0" PVC Sched 40 size compatible)
GP301/GP301c	13.5"H x 12.5" Dia.	12 lbs	3.5" OD
GP401/GP401c	13.5"H x 12.5" Dia.	12 lbs	3.5" OD
GP501/GP501c	13.5"H x 12.5" Dia.	12 lbs	3.5" OD

Inlet/Outlet: 3.5" OD (3.0" PVC Sched 40 size compatible)

Mounting: Fan may be mounted on the duct pipe or with integral flanges.

Weight: 12 lbs

Size: 13H" x 12.5" x 12.5"

Recommended Ducting: 3" or 4" Schedule 20/40 PVC Pipe

Storage Temperature Range: 32 - 100 degrees F

Thermal Cutout:

GP201/201c	130°C (266°F)
GP301/301c	130°C (266°F)
GP401/401c	130°C (266°F)
GP501/501c	130°C (266°F)

Continuous Duty

Class B Insulation

3000 RPM

Thermally Protected

Rated for Indoor or Outdoor Use

LISTED
Electric Fan

Intertek
77728

Conforms to
UL STD. 507

Certified to
CAN/CSA STD.
C22.2 No.113

IMPORTANT INSTRUCTIONS TO INSTALLER

Inspect the RadonAway® RP/RPc, GP/GPc, XP/XPc, XR and SF Series Fan for shipping damage within 15 days of receipt. **Notify RadonAway of any damages immediately.** RadonAway is not responsible for damages incurred during shipping. However, for your benefit, RadonAway does insure shipments.

There are no user serviceable parts inside the fan. **Do not attempt to open the housing.** Return unit to factory for service.

Install the RP/RPc, GP/GPc, XP/XPc, XR and SF Series Fan in accordance with all EPA, ANSI/AARST standard practices, and state and local building codes and regulations.

Provide a copy of this instruction or comparable radon system and testing information to the building occupants after completing system installation.

Warranty

RadonAway® warrants that the RP/RPc, GP/GPc (excluding GP500), XP/XPc, XR and SF Series Fan (the "Fan") will be free from defects in materials and workmanship for a period of 12 months from the date of purchase or18 months from the date of manufacture, whichever is sooner (the "Warranty Term").

RadonAway® will replace any fan which fails due to defects in materials or workmanship during the Warranty Term. This Warranty is contingent on installation of the Fan in accordance with the instructions provided. This Warranty does not apply where any repairs or alterations have been made or attempted by others, or if the unit has been abused or misused. Warranty does not cover damage in shipment unless the damage is due to the negligence of RadonAway®.

The Fan must be returned (at Owner's cost) to the RadonAway® factory. Any Fan returned to the factory will be discarded unless the Owner provides specific instructions along with the Fan when it is returned regardless of whether or not the Fan is actually replaced under this warranty. Proof of purchase must be supplied upon request for service under this Warranty.

5-YEAR EXTENDED WARRANTY WITH PROFESSIONAL INSTALLATION.

RadonAway® will extend the Warranty Term of the fan to 60 months (5 years) from date of purchase or 66 months from date of manufacture, whichever is sooner, provided that the fan is installed by a professional radon mitigation contractor. Proof of purchase and/or proof of professional installation may be required for service under this warranty. No extended warranty is offered outside the Continental United States and Canada beyond the standard 12 months from the date of purchase or18 months from the date of manufacture, whichever is sooner.

RadonAway® is not responsible for installation, removal or delivery costs associated with this Warranty.

LIMITATION OF WARRANTY

EXCEPT AS STATED ABOVE, THE RP/RPc, GP/GPc (excluding GP500), XP/XPc, XR and SF SERIES FANS ARE PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULARPURPOSE.

IN NO EVENT SHALL RADONAWAY BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR RELATING TO, THE FAN OR THE PERFORMANCE THEREOF. RADONAWAY'S AGGREGATE LIABILITY HEREUNDER SHALL NOT IN ANY EVENT EXCEED THE AMOUNT OF THE PURCHASE PRICE OF SAID PRODUCT. THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY SHALL BE THE REPAIR OR REPLACEMENT OF THE PRODUCT, TO THE EXTENT THE SAME DOES NOT MEET WITH RADONAWAY'S WARRANTY AS PROVIDED ABOVE.

For service under this Warranty, contact RadonAway for a Return Material Authorization (RMA) number and shipping information. No returns can be accepted without an RMA. If factory return is required, the customer assumes all shipping costs, including insurance, to and from factory.

RadonAway® 3 Saber Way
Ward Hill, MA 01835 USA TEL (978) 521-3703
FAX (978) 521-3964
Email to: Returns@RadonAway.com

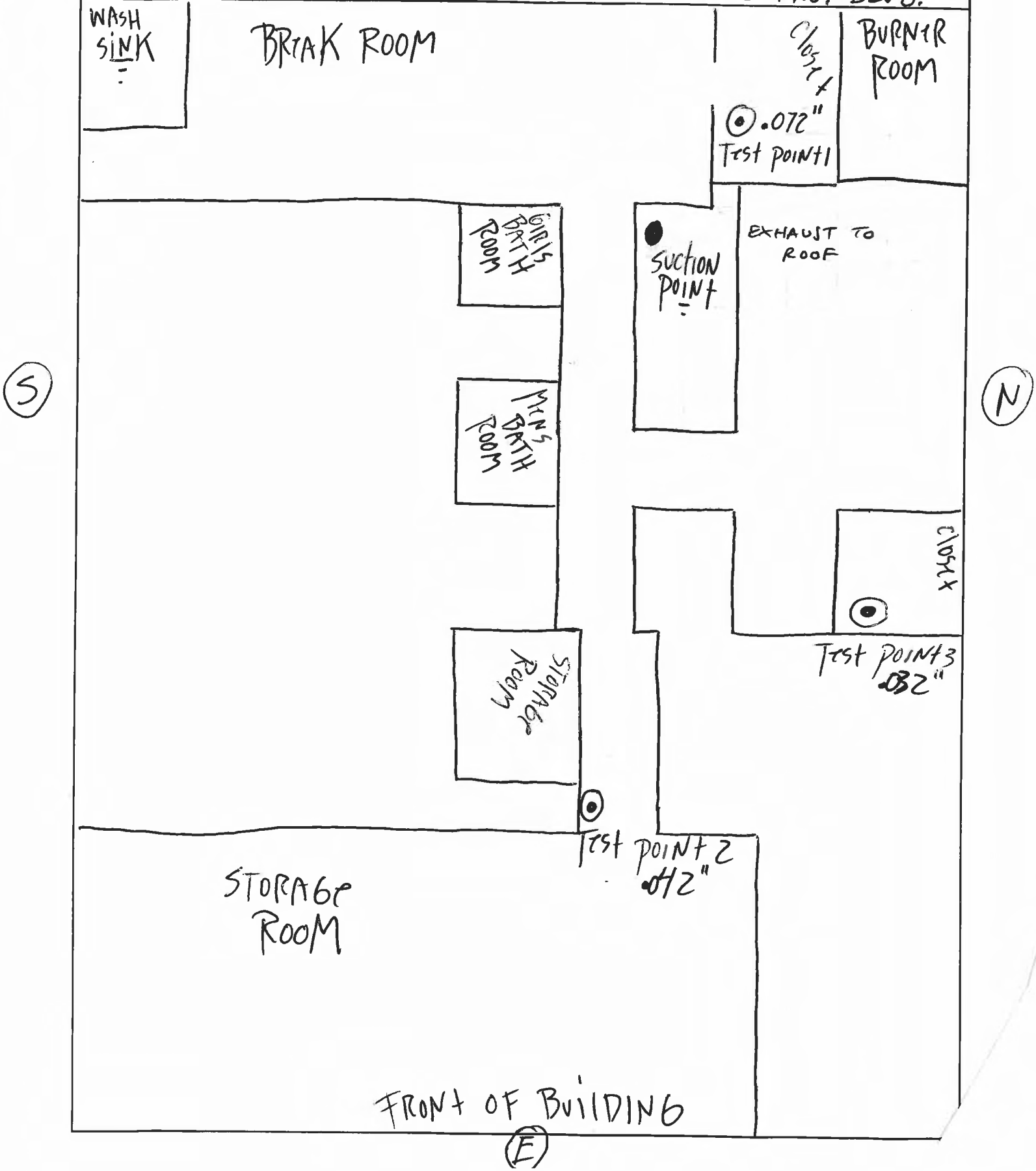
Record the following information for your records:

Serial Number: _____ Purchase Date: _____

EnviroTrac
Environmental Services

Date: 6-23-09
Project: MUNSEY CLEANERS
Design By: LD

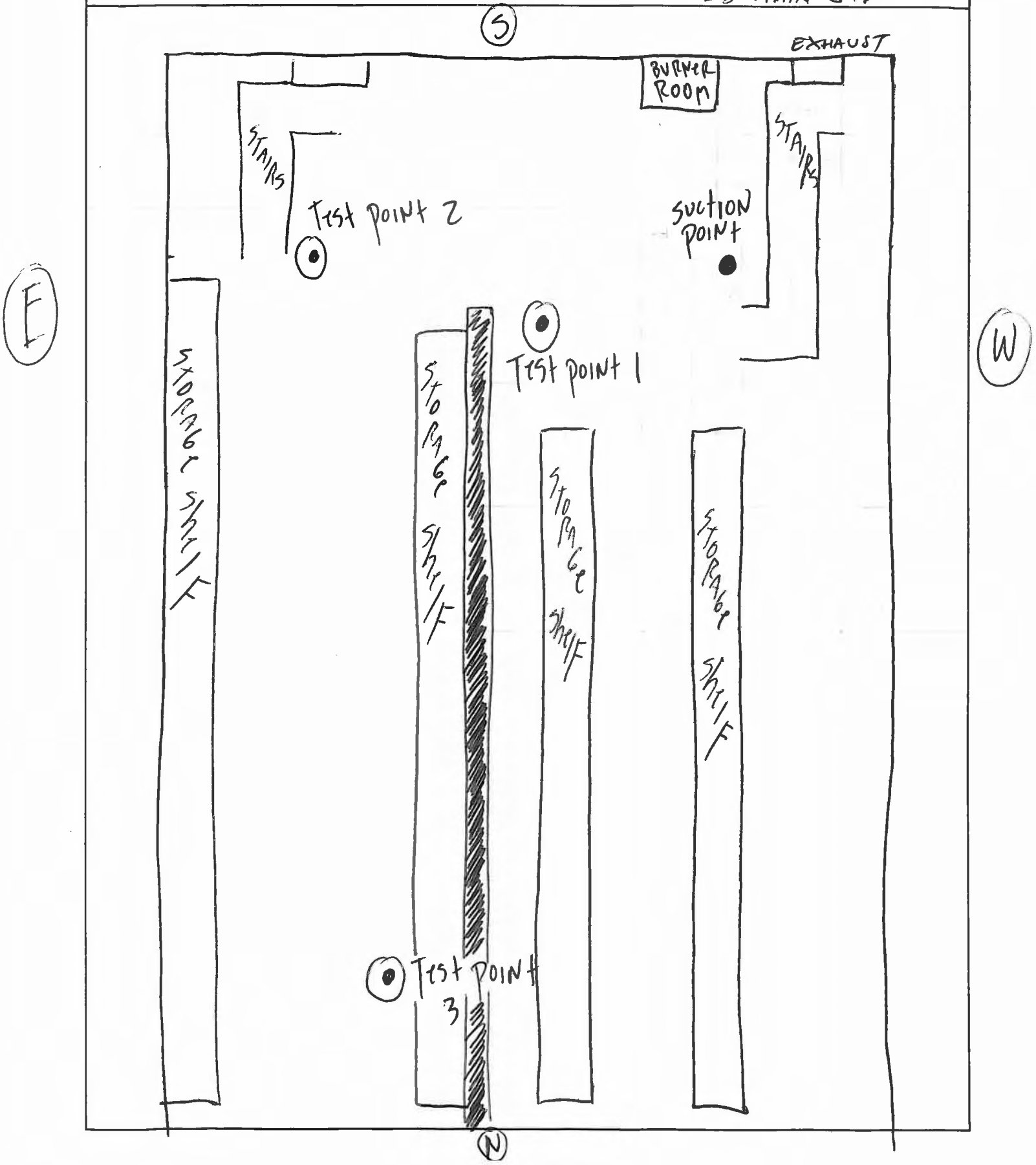
DIME BANK
1000 P.N. BLVD.



EnviroTrac
Environmental Services

Date: 6-23-09
Project: MUNSEY CLEANERS
Design By: LD

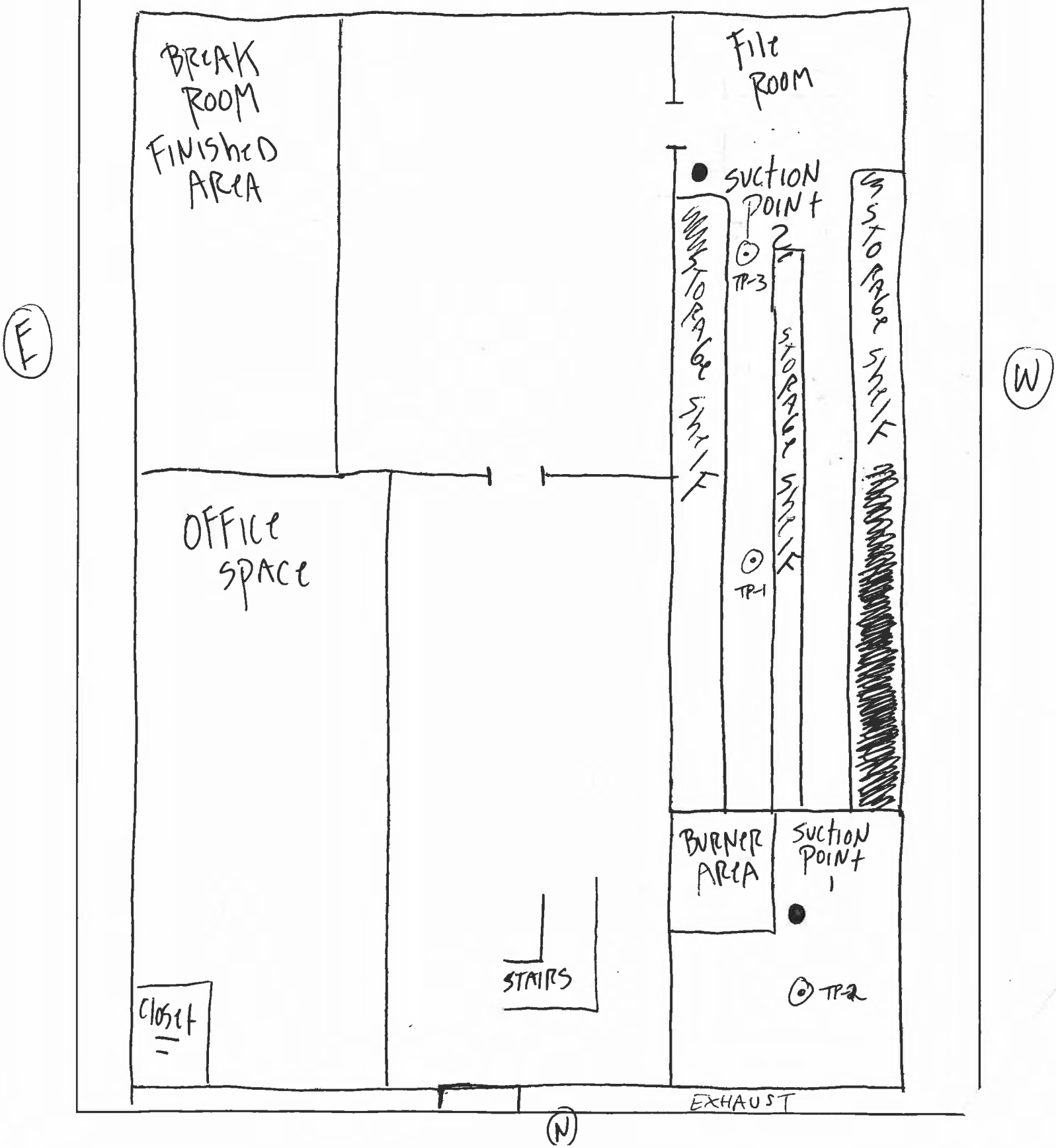
38 MAIN ST.



EnviroTrac
Environmental Services

Date: 6-24-09
Project: MUNSEY CLEANERS
Design By: LP

33 MAIN ST.



EnviroTrac
Environmental Services

Date: 7-28-09
Project: Munsey Cleaners
Design By: Lenny D.

60/62 MAIN ST.