Dambrose Cleaners

SCHENECTADY COUNTY, NEW YORK

Final Engineering Report

NYSDEC Site Number: 447030

Prepared for:

New York State Department of Environmental Conservation
Division of Environmental Remediation
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Albany, New York 12233

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JANUARY 2012

Final Engineering Report
Dambrose Cleaners
NYSDEC Site Number 447030
Schenectady County, New York

I, Daniel J. Loewenstein, am currently a registered professional engineer licensed by the State of New York. I had primary responsibility for implementation of the engineering services performed by Malcolm Pirnie, Inc. during the subject remedial construction project. Based upon the field observations made by Malcolm Pirnie, Inc., the field surveys made by Malcolm Pirnie's subcontractor and the remedial contractor, and the field and laboratory data obtained by Malcolm Pirnie, Inc. and the remedial contractor, I certify that the construction activities were completed in substantial conformance with the New York State Department of Environmental Conservation (NYSDEC or Department)-approved Dambrose Cleaners Remedial Design dated September 2009, and any changes resulting from the construction-phase actions and decisions of the remedial contractor, Malcolm Pirnie, Inc. or the Department, which are generally identified herein.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Design and in other applicable statutes and regulations have been, or will be, achieved in accordance with the time frames, if any, established for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant to ECL 71-3605, and I have been notified by the Department that all affected local governments, as defined in ECL 71-3603, will be notified that such easement has been recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance and monitoring of all Engineering Controls employed at the Site, including proper maintenance of all remaining monitoring wells, and that such plan has been approved by the Department.

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, Daniel J. Loewenstein of Malcolm Pirnie, Inc., 855 Route 146, Suite 201, Clifton Park, New York, 12065 am certifying as the Department's Designated Site Representative for the Site.

066594	1/11/12	
NYS Professional Engineer #	Date	Signature

Seal:

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LIST OF ACRONYMS

ACRONYM	DEFINITION
Department or NYSDEC	New York State Department of Environmental Conservation
SVES	soil vapor extraction system
PPB	parts per billion
FER	Final Engineering Report
ALTA/ACSM	American Land Title Association/American Congress on Surveying and Mapping
RAO	Remedial Action Objective
ROD	Record of Decision
VOCs	Volatile organic compounds
NYSDOH	New York State Department of Health
SSDS	sub-slab depressurization system
IRM	interim remedial measure
PCE	tetrachloroethene
TCE	trichloroethene
DCE	dichloroethene
HASP	Site Specific Health & Safety Plan
QAPP	Quality Assurance Project Plan
CQAP	Construction Quality Assurance Plan
S/MMP	Soil/Materials Management Plan
SWPPP	Storm-Water Pollution Prevention Plan
CAMP	Community Air Monitoring Plan
PRAP	Proposed Remedial Action Plan
$\mu g/m^3$	micrograms per cubic meter
SMP	Site Management Plan
ECs/ICs	engineering and institutional controls
SOPs	Contractor's Site Operations Plans

1.0 FINAL ENGINEERING REPORT

1.1 BACKGROUND AND SITE DESCRIPTION

Dambrose Cleaners was a dry cleaning establishment located at 1517/1519 Van Vranken Avenue in the City of Schenectady, New York in the block bounded by Nott Street, VanVranken Avenue, Hattie Street and Carrie Street. Uncontrolled releases of dry cleaning fluids, allegedly from Dambrose Cleaners, resulted in it being listed by the New York State Department of Environmental Conservation (Department or NYSDEC) as an inactive hazardous waste disposal site. The site is located in the County of Schenectady, New York and is surrounded by both private residences and commercial businesses. The general location of the site is shown on the Project Location Map included as Figure 1. This Final Engineering Report (FER) has been prepared by Malcolm Pirnie, Inc. to document the construction activities associated with the installation of a soil vapor extraction system (SVES) on the site during 2010 and early 2011.

The majority of the SVES lies on property identified as Lot 39.58-1-9 on the City of Schenectady Tax Maps, with the remainder (a collection trench and associated piping) on Lot 39.58-1-8.1. The SVES is situated in an approximately 0.04-acre area bounded by a residence at 1523 Van Vranken Avenue to the north, a residence at 1513/1515 Van Vranken Avenue to the south, a residential/commercial structure (the Dambrose building) at 1517/1519 Van Vranken Avenue to the east, a garage and the back yard of 622 Hattie Street to the west. The boundaries of the aforementioned properties, the record description of the 1517/1519 parcel boundaries and the reference points used in conducting the American Land Title Association/American Congress on Surveying and Mapping (ALTA/ACSM) - compliant post-construction land survey of the area are shown on Figure 2.

Dry cleaning was done at this site from approximately 1957 through 2000. Currently, it is operated as a drop-off location and no dry cleaning is done on the premises. The building on-site was used as a two-family residence from the early 1900s through at least 1954, when Albert and Mary Dambrosio purchased the property. In the late 1950s, the Dambrosios converted the first floor into a dry cleaning operation. In 1976, George and Dolores Hebert purchased the property from the Dambrosios. Mr. Hebert was an employee of Dambrose Cleaners prior to taking ownership of the business, and operated the business from 1976 to 1993, and again from 1995 to 2000 when dry cleaning operations ended on the site. The building was sold to the current owners in 2001.

A former owner alleged that in about 1989, a small amount of the dry cleaning fluid tetrachloroethene (PCE) spilled on the ground near the rear of the building as a drum of PCE was being delivered to the business. It is also believed that poor operational practices over a period of more than 20 years caused additional and extensive on-site contamination by PCE.

Historically, the first floor of the building was used for dry cleaning operations and the second floor as an apartment residence. The first floor was the former location of the dry cleaning machine, distillation tank, air filter unit, and PCE storage tanks. An addition on the back of the building constructed in 1984 is currently used as an apartment. The now-demolished garage, formerly located behind the building, in the present day parking area was the location of a solvent storage area. Clough, Harbour & Associates completed a Phase I Environmental Assessment in October 1997 as part of a proposed property ownership transfer. The use and storage of PCE was identified in this investigation. This initial investigation was followed up with a Phase II Site Assessment completed in December 1997 by Northeast Environmental Technologies Corporation for Mr. Hebert. This investigation identified concentrations of PCE and related degradation products above standards in soil and groundwater samples. A Preliminary Site Assessment was performed by Northeast Environmental Technologies Corporation for the property owner, George D. Hebert, under an Order of Consent with the New York State Department of Environmental Conservation signed on July 1, 1999. This investigation further defined a PCE groundwater plume; however, the horizontal extent of the contamination was not fully identified. Soil gas sampling done as part of a Preliminary Site Assessment revealed PCE concentrations as high as 6,565 parts per billion (ppb) next to the rear of the building in the area where the spill allegedly took place. Groundwater collected with a screened point sampler indicated PCE concentrations up to 15,000 ppb, well above the Part 703 New York State groundwater standard of 5 ppb. Contamination extends to neighboring properties, although area residents are served by a municipal water supply.

Indoor air samples were collected in an apartment located above the business in November 1999. PCE concentrations as high as 540 micrograms per cubic meter ($\mu g/m^3$) were detected at that time. The New York State Department of Health (NYSDOH) ambient air quality guideline is 100 $\mu g/m^3$. Subsequent air samples collected from the apartment have been lower, but still above 100 $\mu g/m^3$. Further site investigations, including soil, soil vapor, and groundwater sampling were conducted at the site as part of the state-funded remedial investigation.

On May 5, 2000, Mr. Hebert entered into the Voluntary Cleanup Program to remediate the site. However, he did not have the financial means to complete the cleanup, and the Department assumed responsibility for the site in June 2001. The site was added to the Registry of Inactive Hazardous Waste Disposal Sites on December 6, 2001 as Site #447030.

A sub-slab depressurization system (SSDS) was installed at the Dambrose building in 2005 as an interim remedial measure. Follow-up sampling showed a significant decrease in the sub-slab PCE concentration. A State Superfund Remedial Investigation/Feasibility Study was completed for the site in January 2007. A Record of Decision (ROD) was issued for the site in October 2007.

In May 2008, the Department retained Malcolm Pirnie, Inc. to conduct focused Pre-Design Studies of the site soil and groundwater, and the indoor air of two adjacent residences. Malcolm Pirnie, Inc. was also retained to develop an engineering design for a SVES to be installed at the site.

In September 2009, the Department approved the Final Design Contract Documents which had been prepared by Malcolm Pirnie, Inc. for the installation of the SVES at the Dambrose Cleaners site. The Department retained Precision Environmental Services, Inc of Ballston Spa, New York in 2009 to construct the SVES on the approximately 0.10-acre property located at 1517/1519 Van Vranken Avenue, and an approximately 0.02-acre portion of the property located at 1523 Van Vranken Avenue. Precision Environmental Services, Inc. conducted the installation of the SVES system at the Dambrose site during the period August 16, 2010 through January 10, 2011.

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified in the September 2007 Record of Decision for this site:

2.1.1 Groundwater RAOs:

- Eliminate, or reduce to the extent practicable, exposures of persons at or around the site to volatile organic compounds in groundwater; and
- Attaining the ambient groundwater quality standards to the extent practicable.

2.1.2 Soil RAOs:

- Eliminate, or reduce to the extent practicable, exposures of persons at or around the site to volatile organic compounds in subsurface soil;
- Eliminate, or reduce to the extent practicable, the release of contaminants from subsurface soil into groundwater that may create exceedances of groundwater quality standards; and
- Eliminate, or reduce to the extent practicable, the release of contaminants from subsurface soil under the Dambrose building into indoor air through soil vapor intrusion.

2.1.3 Surface Water RAOs:

- None identified.

2.1.4 Sediment RAOs:

- None identified.

2.2 DESCRIPTION OF SELECTED REMEDY

The SVES system was installed to facilitate the remediation of the site in accordance with the remedy selected by the Department in the ROD dated September 2007 and signed on October 3, 2007. Among the factors considered during the selection of the remedy were

those listed in the 6 NYCRR Part 375-1.8 regulations at the time of the preparation of the ROD. The following are the components of the selected remedy as stated in the ROD:

1. A remedial design program will be implemented to provide the details necessary for the construction, operation, maintenance, and monitoring of the remedial program. Prior to remedial design, pre-design sampling of soil and soil vapor will be undertaken adjacent to the Dambrose building to identify areas with high concentrations of volatile organic compounds (VOCs). If any VOC sources are found, contaminated soil will be removed. Additionally, indoor air and sub-slab soil vapor in homes on adjacent streets will be sampled to ensure that soil vapor intrusion is not occurring. This includes monitoring and mitigation of structures as necessary.

2. Soil vapor extraction wells will be installed in the area below ground surface but above the water table. At the Dambrose Cleaners site, this zone extends to a depth of approximately six feet. A vacuum will be applied to the extraction wells to draw air through the contaminated soils. The VOCs will vaporize from the soil into the air, and the air containing the VOCs will be drawn into the extraction wells. If necessary, the contaminated air from the extraction wells may then be run through an activated carbon treatment system to remove volatile contaminants before the air is discharged to the ambient air.

3. Imposition of an institutional control in the form of an environmental easement that will require (a) limiting the use and development of the property to residential use, which would also permit commercial or industrial uses; (b) compliance with the approved site management plan; (c) restricting the uses of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the New York State Department of Health; and (d) periodic certification of institutional and engineering controls.

4. Development of a site management plan which will include the following institutional and engineering controls: (a) continued evaluation of the potential for vapor intrusion for any buildings developed on the site, including provision for mitigation of any impacts identified; (b) continued operation of the sub-slab depressurization system at the Dambrose building whenever it is occupied; (c) monitoring of groundwater and soil vapor; (d) identification of any use restrictions on the site; and (e) provisions for the continued proper operation and maintenance of the components of the remedy.

5. The Department will periodically certify the institutional and engineering controls until the Department determined that this certification is no longer needed. This

submittal will: (a) contain certification that the institutional controls and engineering controls put in place are still in place and are either unchanged from the previous certification or are compliant with Department-approved modifications; and (b) state that nothing has occurred that would impair the ability of the control to protect public health or the environment, or constitute a violation or failure to comply with the site management plan unless otherwise approved by the Department.

6. The operation of the components of the remedy will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

7. Since the remedy results in untreated hazardous waste remaining at the site, a long-term monitoring program will be instituted. This program will allow the effectiveness of the soil vapor extraction system to be monitored and will be a component of the long-term management for the site.

Copies of the Site Management Plan (SMP) and Easement are included in Appendix A.

3.0 INTERIM REMEDIAL MEASURES AND REMEDIAL CONTRACTS

3.1 INTERIM REMEDIAL MEASURES

Data collected during an indoor air and soil vapor sampling event conducted on September 23, 2004, indicated that elevated concentrations of PCE (1,200,000 ug/m3), trichloroethene (TCE) (13,000 ug/m3), and cis 1,2- dichloroethene (DCE) (7,400 ug/m3) were present in the soil vapor under the basement slab of the Dambrose building. In a process that was independent of the Remedial Investigation/Feasibility Study, a sub-slab depressurization system was designed and installed in that building by Precision Environmental Services, Inc., under direct contract to the Department. Subsequent sampling in residential structures to the north, south and west of the site indicated that indoor air concentrations of the site contaminants were present at levels which did not require mitigation.

3.2 REMEDIAL CONTRACTS

The remedial construction of the SVES was performed by Precision Environmental Services, Inc., under direct contract to the Department**.** Malcolm Pirnie, Inc. was retained by the Department to provide construction oversight for the major components of the SVES construction.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

The technical elements of the remedial activities completed at the Site were conducted in general accordance with the NYSDEC-approved Final Design Contract Documents for the Dambrose Cleaners site dated September 2009, the terms of the Standby Agreement between the Department and Precision Environmental Services, Inc., and the Department-approved project submittals. The work can generally be described as the installation of a soil vapor extraction system, including:

- One 33 foot long and two 25 foot long subsurface horizontal soil vapor extraction wells bedded in trenches of granular material with associated excavation, backfilling and surface restoration;
- Concrete and soil (with high-density polyethylene liner) surface caps over the extraction wells to minimize potential direct contact with subsurface soil and the short-circuiting of ambient air into the SVES collection system;
- One permanent SVES equipment enclosure, with utility connections, control panels, lighting, instrumentation, noise dampening devices and internal environmental controls; and
- Blowers, variable frequency drive motors, collection and discharge vent piping, valves, water knockout equipment and appurtenances to allow the extraction and processing of approximately 100 cubic feet per minute of vapor from the subsurface, while maintaining a minimum vacuum of approximately 6 inches of water, with flow basically equally distributed from each of the extraction wells.

Also, the power source, output signals and controls for the existing SSDS were modified to be integral with the new SVES.

4.1 GOVERNING DOCUMENTS

4.1.1 Site Specific Health & Safety Plan (HASP)

Precision Environmental Services, Inc. developed a HASP to be implemented during the remedial construction activities. The Department reviewed and approved the HASP. The remedial construction work observed by Malcolm Pirnie, Inc. was performed in general compliance with the approved HASP. Malcolm Pirnie, Inc. prepared a HASP for the use of their employees during the construction.

4.1.2 Quality Assurance Project Plan (QAPP)

A QAPP was not developed for this construction project.

4.1.3 Construction Quality Assurance Plan (CQAP)

A CQAP was not developed for this project.

4.1.4 Soil/Materials Management Plan (S/MMP)

A S/MMP was not developed for this project. However, a Transportation Plan, addressing the movement of equipment and materials to and from the site, was developed by the contractor, submitted to the Department, and implemented during the construction activities.

4.1.5 Storm-Water Pollution Prevention Plan (SWPPP)

A SWPPP was not necessary for this project.

4.1.6 Community Air Monitoring Plan (CAMP)

Precision Environmental Services, Inc. developed a CAMP to be used to monitor airborne VOC contaminants and fugitive dust potentially released from the work areas during the SVES construction activities. The Department reviewed and approved the CAMP. The provisions of the CAMP, including real-time perimeter monitoring of the work zones at three points during intrusive activities, were implemented during the remedial construction.

4.1.7 Contractor's Site Operations Plans (SOPs)

The Department reviewed all plans and submittals for this remedial project (i.e. those listed above that were applicable to the work, plus contractor and subcontractor submittals) and confirmed that they were in compliance with the Remedial Design and the requirements of the contract between the Department and Precision Environmental Services, Inc.

4.1.8 Community Participation Plan

The Department developed the Proposed Remedial Action Plan (PRAP) for the site and provided a period for public comment prior to finalization of the ROD. During this process the Department conducted a public information session to enable stakeholders and interested parties to learn about the proposed work and to discuss and comment on the PRAP. The owners of the properties on which the SVES construction activities occurred were notified by the Department of the scope and schedule of the work in advance, and were made aware of any significant schedule changes as they occurred.

The owner of the Dambrose building was informed of the detailed upcoming construction schedule on a daily basis during periods of on-site construction. Periodic communication between the Department and the owner of the 1523 Van Vranken Avenue property also occurred during the construction.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

Precision Environmental Services, Inc. conducted the installation of the SVES system at the Dambrose site. Malcolm Pirnie, Inc. provided part-time construction-phase engineering oversight services. Following the removal of a large tree from the work zone on the 1523 Van Vranken Avenue property and the abandonment of MW-1 and MW-2 by Precision Environmental Services, Inc. in early 2010, the Department received and reviewed submittals for the SVES. Modifications to the mechanical system, data communications system and concrete surface slab were incorporated during this process. Subsequent to the approval of the revised mechanical system, the mechanical components and the SVES enclosure were ordered from the system fabricator, National Environmental Systems. The major on-site construction work began on August 16, 2010. Work continued during a series of short-term construction periods, as summarized below:

- August 16, 2010 through September 7, 2010 – Demolition, installation of the horizontal collection wells and other subsurface elements of the SVES, followed by construction of the concrete surface slab;
- November 22, 2010 – Installation of replacement monitoring wells MW-1R and MW-2R;
- December 6, 2010 through December 13, 2010 – Delivery and installation of the SVES mechanical components and the SVES enclosure. Connection of the telephone service to the SVES by Verizon was also conducted at this time;
- Late December 2010/Early January 2011- Connection of the power service to the SVES by National Grid was conducted. The power source, controls and data output location for the existing SSDS was switched to the new SVES during this period also; and
- January 10, 2011 - Final testing of the SVES completed.

Copies of Malcolm Pirnie, Inc.'s Daily Inspection Reports documenting the SVES installation activities are included as Appendix B.

4.2.2 Site Preparation

The remedial contractor conducted a pre-installation survey of the site and adjacent areas. This established a site-specific vertical datum and horizontal survey control to the project area. Precision Environmental Services, Inc. also had utilities in the public areas adjacent to the site located and marked by the underground utility service providers. At the outset of the project, excavation equipment was mobilized to the area behind the Dambrose building. A barrier consisting of snow fence was erected around the work zone.

4.2.3 General Site Controls

Site security was the responsibility of the remedial contractor. In general, equipment and materials were stored at the site for the minimum duration necessary to complete the work, and then they were immediately removed from the site. Access restriction to the work zone was accomplished through the perimeter snow fence and coordination with the owners and tenants of the properties on which construction occurred.

Precision Environmental, Inc. and their subcontracted surveyor recorded changes to the physical features of the site, documented the location of the elements of the SVES system as they were constructed or installed, and collected measurements and field data throughout the construction process.

4.2.4 Nuisance controls

Precision Environmental Services, Inc. was responsible for coordinating the delivery of materials and equipment, the routing of vehicles into and out of the site and housekeeping within the work zone during construction.

4.2.5 CAMP Results

During the intrusive construction activities while installing the SVES, Precision Environmental Services, Inc. implemented a CAMP to address potential airborne particulate and VOC contamination migration from the work zone. Continuous real-time monitors were installed at two downwind and one upwind location at the perimeter of the site. Wind direction was tracked and recorded, and the monitor locations adjusted, as appropriate, with varying wind conditions. Periodic collection and laboratory analysis of air samples to detect airborne site contaminants emanating from the work zone was also the responsibility of the remedial contractor under the requirements of the contract

documents. Copies of relevant field data relating to the CAMP have been submitted directly to the Department by the remedial contractor.

4.2.6 Reporting

Malcolm Pirnie, Inc. documented the remedial construction which occurred when their representatives were at the site. The data was recorded in field books and summarized on Daily Inspection Reports, which were transmitted electronically to the Department's project representatives on the day following receipt of all salient data included thereon. Digital photos depicting the primary activities of the daily work were included on the Daily Inspection Reports. Copies of Malcolm Pirnie, Inc.'s Daily Inspection Reports documenting the SVES installation activities are included as Appendix B.

4.3 CONTAMINATED MATERIALS REMOVAL

In order to install the three horizontal extraction wells of the SVES, Precision Environmental Services removed:

- The surface asphalt from the parking area behind and to the west of the Dambrose Building;
- Remnants of the concrete foundation from the former structure located in the same area; and
- Surface and subsurface soil necessary to facilitate installation of the SVES collection system and appurtenant utilities.

The materials removed contained minor amounts of site contaminants, rubble and debris from the subsurface fill.

Excavated materials were placed directly in rolloff containers for temporary storage. In accordance with the approved Transportation Plan, County Waste of Clifton Park, New York, a permitted 6 NYCRR Part 364 waste transporter (Permit Number 54-660), transported the materials to the Colonie Landfill in Colonie, New York for disposal. Nine loads, representing a total of 176.13 tons of material were disposed at the Colonie Landfill. Copies of the disposal receipts for these materials are included as Appendix C.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

As stated in the previous section, the materials excavated to enable installation of the SVES contained minor amounts of site contaminants, rubble and debris from the

subsurface fill. The quantity of source contamination remaining in the work zone soil was somewhat reduced by the remedial activities. This was considered a collateral benefit of the installation of the SVES, but was not the primary objective of the on-site excavation activities. Therefore, end point confirmation sampling was not conducted in the bottoms or walls of the excavations.

Precision Environmental Services, Inc. has been retained to operate and maintain the SVES system in the future in a manner that is consistent with the manufacturer's recommendations and the Site Management Plan (SMP). During the operation of the system, periodic sampling and analysis of the influent and effluent air streams, site groundwater, and, as necessary, site soil vapor will be conducted to enable the Department to ascertain the performance of the remedial measure.

4.5 IMPORTED MATERIALS

To construct the SVES, the following materials were imported to the Dambrose Cleaners site:

- Approximately 80 tons of crushed stone backfill used for construction of the three horizontal extraction wells and the subgrade for the concrete surface slab;
- Approximately 23 cubic yards of bedding sand used for the three horizontal extraction wells;
- Approximately 23.84 tons of topsoil used for surface restoration;
- Five loads of concrete to create the concrete surface slab; and
- Approximately ten gallons of grout which was used to re-point the stone retaining wall to the west of the SVES system.

The sources for the imported crushed stone, bedding sand and topsoil were sampled to undergo analyses to determine compliance with the specified values for physical parameters prior to the start of construction activities. The bedding sand and topsoil sources were also sampled and analyzed to detect the presence of contamination prior to the start of the work. The analyses were submitted to the Department for review and subsequently determined to be in general compliance with the technical requirements of the specifications. Copies of the laboratory testing data for these materials are presented in Appendix D. Evergreen Testing and Environmental Services, Inc. was contracted by Precision Environmental Services, Inc. to conduct field testing to confirm that the in-place density of the bedding sand achieved specified values. The test report documenting

the results of these tests is included as Appendix E. Evergreen Testing and Environmental Services, Inc. also conducted field and laboratory tests on concrete used in the construction of the SVES. The data from these tests indicated that the concrete developed compressive strength greater than that which was specified for the work. A report presenting the results of the concrete testing is included in Appendix F.

4.6 CONTAMINATION REMAINING AT THE SITE

As explained previously, with the exception of a small amount of slightly contaminated soil which was excavated and disposed off-site to enable installation of the subsurface portions of the SVES, the soil and groundwater conditions remaining at the site are unchanged since the remedial construction was initiated. The remedy selected in the ROD contemplates the majority of the remedial benefit from the SVES resulting from operation of the system. The future remedial success will be documented through the periodic sampling and analysis of site media.

Since contaminated soil, groundwater and soil vapor remain at the site as the operation of the SVES is initiated, institutional and engineering controls to protect human health and the environment will be implemented. The engineering and institutional controls (ECs/ICs) at the Dambrose Cleaners site are described in the following sections. Long-term management of these EC/ICs and residual contamination will be performed under the SMP approved by the Department.

4.7 SOIL COVER AND CONCRETE CAP SYSTEM

Direct exposure to remaining contamination in soil at the site is minimized by a 10- inch concrete slab constructed as a parking area over the portion of the site on the Dambrose Cleaners property. The balance of the SVES collection laterals were backfilled with on-site materials and imported soil containing site contaminants at concentrations less than the 6 NYCRR Part 375 Recommended Soil Cleanup Objectives for Unrestricted Use. Thus, the concrete and soil serve as a physical barrier to prevent dermal contact by human and other animal receptors.

4.8 OTHER ENGINEERING CONTROLS

The remedy for the site did not require the construction of any engineering control systems other than the soil cover and concrete cap system described previously. The

existing SSDS for the Dambrose Building was modified so that its power supply, controls and data output are now integral with the SVES. The SSDS will continue to operate and be periodically monitored in accordance with the SMP. An operation and maintenance manual for the SVES was submitted to the Department for use during the operational period of the remedy. Procedures for monitoring, operating and maintaining the SVES are provided in the SMP. Also included (in the Operation and Maintenance portion of the SMP) are drawings and schematic figures depicting the system elements.

Monitoring wells MW-1 and MW-2 were abandoned in place prior to the initiation of construction activities. They were replaced with new monitoring wells, MW-1R and MW-2R, respectively during November 2010. These wells, and the balance of the existing monitoring well network in the vicinity of the Dambrose Cleaners site, will be periodically monitored in the future in accordance with the provisions of the SMP. The drilling logs, including boring and well construction information for the replacement wells, are included in Appendix G

4.9 INSTITUTIONAL CONTROLS

The remedy identified in the ROD for the Dambrose Cleaners site requires that an environmental easement be placed on the property to:

- Limit the use and development of the property to residential use, which would also permit commercial or industrial uses;
- Require compliance with the approved site management plan;
- Restrict the uses of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the New York State Department of Health; and
- Facilitate periodic certification of institutional and engineering controls.

The environmental easement for the site has been prepared by the Department and a copy of it is included in Appendix A.

4.10 DEVIATIONS FROM THE REMEDIAL DESIGN

During the execution of the construction phase for the installation of the SVES at the Dambrose Cleaners site, a number of modifications to the approved Remedial Design

were implemented. These changes were deemed necessary due to one or more of the following:

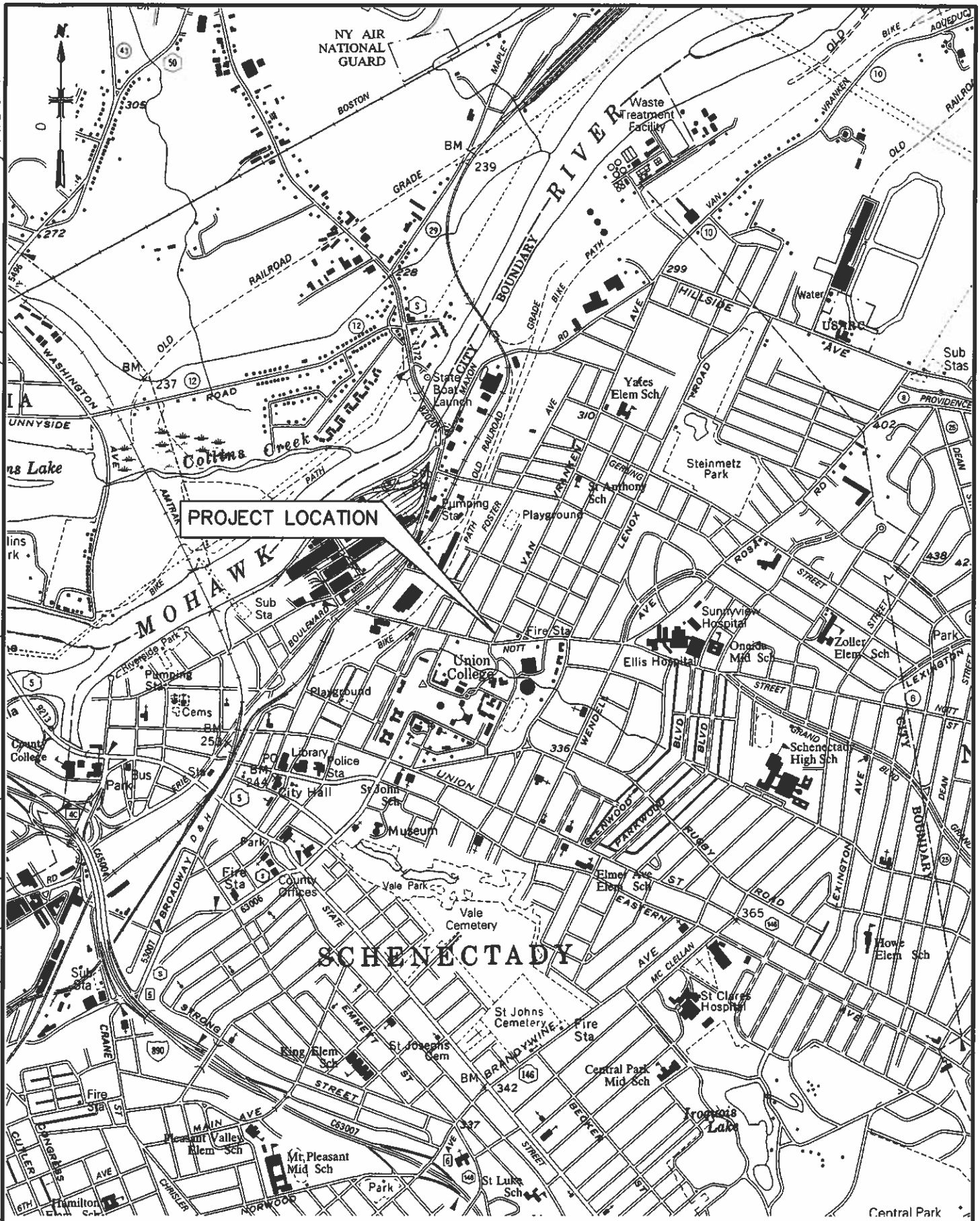
- Site conditions, market conditions or site constraints (i.e. the property owner's and other stakeholder's preferences) differed from those initially anticipated;
- The Department determined that a modification would benefit the project; or
- The contractor or its subcontractors/suppliers expressed a preference for a modification.

Each prospective modification was evaluated by the Department against the remedial objectives to allow implementation of the proposed changes to the maximum extent possible, while not compromising the remedial benefits of the project. The significant changes which occurred during the construction phase of the remedy included:

- Reconfiguration of the SVES to allow the enclosure to be located at the northwest corner of the concrete slab. This created a more efficient use of the limited space on the concrete slab and enhanced the use of the slab as a parking area for the residences in the Dambrose Building;
- Supplementing the northern edge of the concrete slab with a thickened cross-section and an underlying 40 mil high-density polyethylene liner to better address grade changes and minimize the potential for soil vapor migration to the ambient air on the north side of the concrete slab;
- Minor relocation of the southern extraction well to avoid interference with a subsurface concrete structure, which could potentially be tied into the western stone retaining wall;
- Reconfiguration, in accordance with the system fabricator's preference, of the mechanical system within the SVES enclosure;
- A change in the blower model, due to commercial availability; and
- A small variation in the design system operating point resulting from the blower modification and the revised collection system piping configuration.

FIGURE 1

Project Location Map



XREFS: IMAGES:I:\ACAD\PROJ\0266385\IMAGE\r47plan.tif
User:Hausmann Spec:PIRNIE STANDARD File:I:\ACAD\PROJ\0266385\FINAL ENG REPORT\FIGURE 1.DWG Scale:1:1 Date:02/25/2011 Time:09:16 Layout:Blank

MALCOLM PIRNIE

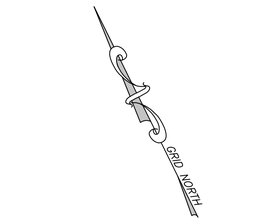
NYSDEC SITE NO. 447030
SCHENECTADY, NEW YORK
DAMBROSE CLEANERS
FINAL ENGINEERING REPORT

PROJECT
LOCATION MAP
SCALE: AS SHOWN

MALCOLM PIRNIE, INC.
FEBRUARY 2011
FIGURE 1

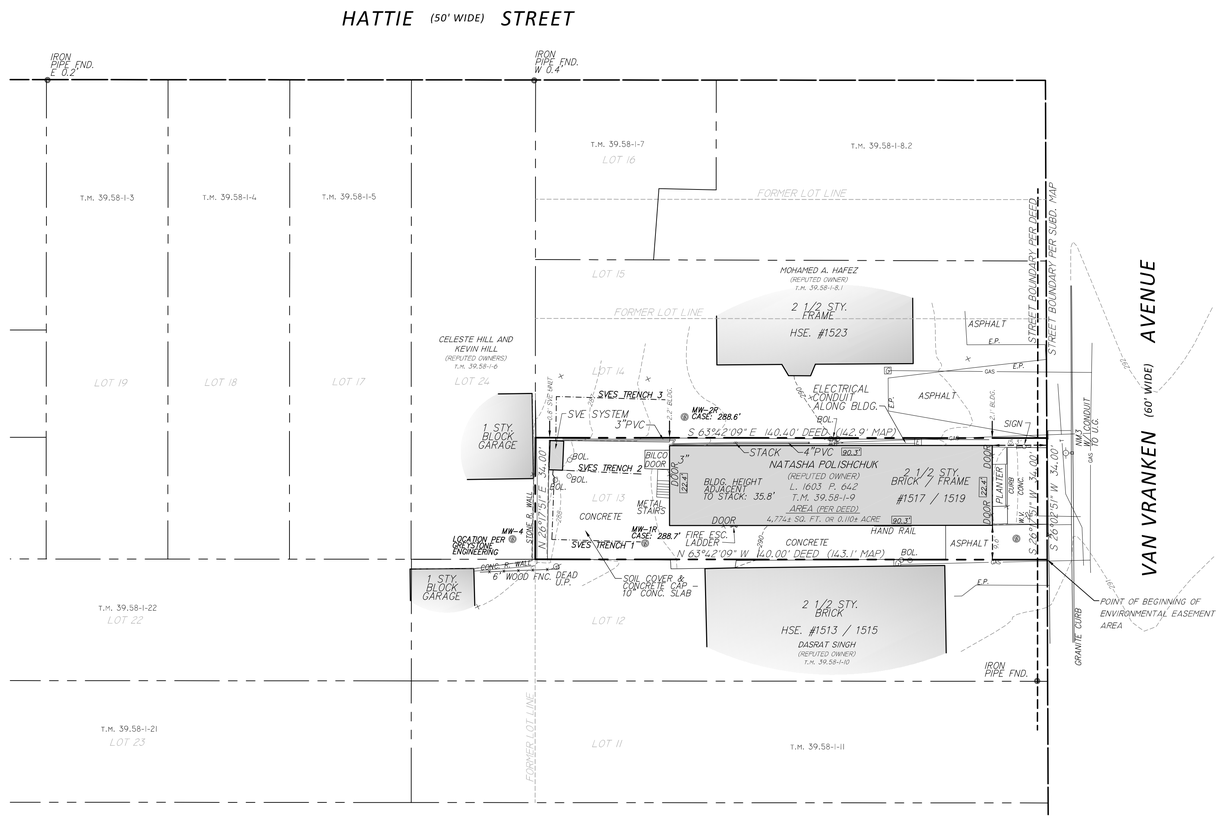
FIGURE 2

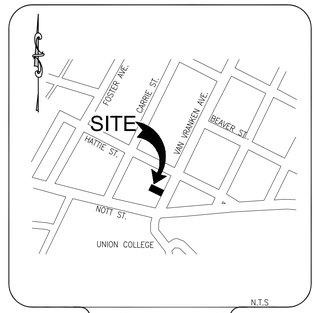
ALTA/ACSM Land Title Survey



SCALE: 1" = 20' (6m)

20 (6m) 0 (0m) 20 (6m) 40 (12m)





VICINITY MAP

RECORD DESCRIPTION

Being the same premises as conveyed to Grantor by Deed dated June 15, 2001 and recorded on June 29, 2001 in book 1603 at page 641.

All that parcel of land, situated, lying and being in the City of Schenectady, County of Schenectady, New York, on the westerly side of Van Vranken Avenue in the Second Ward (Formerly a portion of the Third Ward) of the city of Schenectady, New York known and distinguished on Map of Lots owned by Richard Corl, Schenectady, New York made by J. Leland Fitzgerald, Sanitary Engineer, and filed November 19, 1903 a Lot 13, bounded and described as follows: Easterly and in front by Van Vranken Avenue as designated on said map, 34 feet along the same; Southerly by Lot No. 12 as designated on said map, 140.4 feet along the same; Westerly by Lot No. 24, 34 feet along the same; Northerly by Lot No. 14 as designated on said map, 140.4 feet along the same.

ENVIRONMENTAL EASEMENT DESCRIPTION

NYSDEC SITE NO. 447030

BEGINNING at a point on the northwesterly street boundary of Van Vranken Avenue, an existing city street, at its intersection with the division line between the property of Natasha Polishchuk (reputed owner) on the northeast and the property of Dasrat Singh (reputed owner) on the southwest, thence; along the last mentioned division line N 63° 42' 09" W a distance of 143.1 feet to a point on the division line between the property of Natasha Polishchuk (reputed owner) on the southeast and the property of Celeste Hill and Kevin Hill (reputed owners) on the northwest, thence; along the last mentioned division line N 26° 17' 51" E a distance of 34.00 feet to a point on the division line between the property of Natasha Polishchuk (reputed owner) on the southwest and the property of Mohamed A. Hafez (reputed owner) on the northeast, thence; along the last mentioned division line S 63° 42' 09" E a distance of 142.9 feet to a point on the first mentioned street boundary, thence; along said street boundary S 26° 17' 51" W a distance of 34.00 feet to the point of beginning, being 4,774± square feet or 0.110 acres, more or less.

THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE NEW YORK ENVIRONMENTAL CONSERVATION LAW.

THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT *DERWEB@GW.DEC.STATE.NY.US*

ENGINEERING / INSTITUTIONAL CONTROLS

- **SOIL COVER AND CONCRETE CAP** - 10 INCH THICK CONCRETE SLAB PARKING AREA OVER DAMBROSE CLEANERS PROPERTY.
- **SOIL VAPOR EXTRACTION SYSTEM [SVES]** - PROCEDURES FOR MONITORING THE SYSTEM ARE INCLUDED IN THE MONITORING PLAN IN THE SMP.
- **SUB-SLAB DEPRESSURIZATION SYSTEM [SSDS]** - AS INSTALLED UNDER THE BASEMENT FLOOR OF #1517 / 1519 VAN VRANKEN AVENUE IN 2005, THE SSDS WILL CONTINUE TO OPERATE AND BE PERIODICALLY MONITORED BY THE NYSDEC IN ACCORDANCE WITH THE SMP.
- **GROUND WATER** - THE USES OF GROUND WATER, AS A SOURCE OF POTABLE OR PROCESS WATER, WITHOUT NECESSARY WATER QUALITY TREATMENT AS DETERMINED BY THE NYSDOH IS RESTRICTED.
- **LAND USE** - THE USE AND DEVELOPMENT OF THE SITE IS LIMITED TO RESTRICTED RESIDENTIAL USE, WHICH ALSO ALLOWS FOR COMMERCIAL AND INDUSTRIAL USES ONLY.

ENVIRONMENTAL EASEMENT AREA ACCESS

THE N.Y.S.D.E.C. AND / OR THEIR AGENTS MAY ACCESS THE ENVIRONMENTAL EASEMENT AREA AS SHOWN HEREON THROUGH ANY EXISTING STREET ACCESS OR BUILDING INGRESS / EGRESS ACCESS POINT.

REFERENCES

1. LAST OWNER SEARCH NO. 58171, PREPARED BY FOUR CORNERS ABSTRACT, DATED JULY 14, 2010.
2. DEED, FILED IN LIBER 1603, PAGE 641.
3. DEED, FILED IN LIBER 1775, PAGE 397.
4. DEED, FILED IN LIBER 1669, PAGE 982.
5. DEED, FILED IN LIBER 1725, PAGE 396.
6. MAP ENTITLED, " MAP OF LOTS OWNED BY RICHARD CORL, SCHENECTADY, NEW YORK MADE BY J. LELAND FITZGERALD, SANITARY ENGINEER", DATED NOVEMBER 19, 1903, FILED IN BOOK 34 OF MAPS, PAGE 276.

TITLE REFERENCE

This survey has been revised with the benefit of Abstract Search No. 58171 as prepared by Four Corners Abstract Corp., Dated July 14, 2011 and Title Report Commitment No. 1116-25590, Dated November 30, 2011. The items in Schedule B affect the parcel shown hereon:

SURVEY NOTES

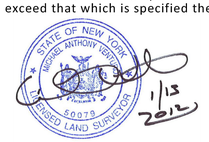
1. COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (CORS) - NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE.
2. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF1988.
3. MAPPING UNITS ARE SHOWN IN U.S. SURVEY FEET.
4. THE CONTOUR INTERVAL IS 1 FOOT.
5. ALL UTILITIES SHOWN ARE CONSIDERED APPROXIMATE. PRIOR TO EXCAVATION, DIG SAFE NEW YORK SHOULD BE CONTACTED AT 1-800-962-7962.
6. THE SURVEY WAS COMPLETED IN THE FIELD JANUARY 11, 2011.

CERTIFICATION

To:

- The People of the State of New York acting through its commissioner of the Department of Environmental Conservation
- Chicago Title Insurance Company

This is to certify that this map or plat and the survey on which it is based were made in accordance with the "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys", jointly established and adopted by ALTA and NSPS in 2005, and includes Items 2, 4, 5, 7(a), 7(c), 8, 9, 11(a), 12, 13, and 16 of Table A thereof. Pursuant to the Accuracy Standards as adopted by ALTA and NSPS and in effect on the date of this certification, undersigned further certifies that in my professional opinion, as a land surveyor registered in the State of New York, the maximum Relative Positional Accuracy of this survey does not exceed that which is specified therein.



MICHAEL A. VENTURO, LS 50079
FOR: POPLI DESIGN GROUP
555 Penbrooke Drive
Penfield, NY 14526
Phone: 585-388-2060

LEGEND

BOL.	BOLLARD
W.V.	WATER VALVE
	MONITORING WELL
	GAS METER
	ELECTRIC METER
	UTILITY LIGHT POLE
22.4'	BUILDING DIMENSION

SURVEY BY: POPLI DESIGN GROUP ARCHITECTURE ENGINEERING 555 Penbrooke Drive Penfield NY 14526

PREPARED FOR: MALCOLM PIRNIE

SURVEYOR JOB NUMBER:	SU4017.01
DRAWN BY:	J. PHILLIPS
CHECKED BY:	M. VENTURO

REVISIONS

2/15/2011	ADDED SVE TRENCH LOCATIONS, M.W. CASE ELEV.'S & MW-4
11/1/2011	REVISED NOTES PER NYSDEC
1/9/2012	ADDED TITLE INS. INFO.

ALTA / ACSM LAND TITLE SURVEY

FOR

DAMBROSE CLEANERS SITE -

AN INACTIVE HAZARDOUS WASTE SITE, NYSDEC REGISTRY SITE NO. 447030

AT

1517 / 1519 VAN VRANKEN AVENUE

Environmental Easement Area
Area = 0.110± acres

TAX PARCEL NO. 39.58-1-9

City of Schenectady, County of Schenectady, State of New York

SCALE: 1" = 20'

DATE: FEBRUARY 2, 2011

APPENDIX A

Site Management Plan and Easement
(Bound Separately)

APPENDIX B

Daily Inspection Reports

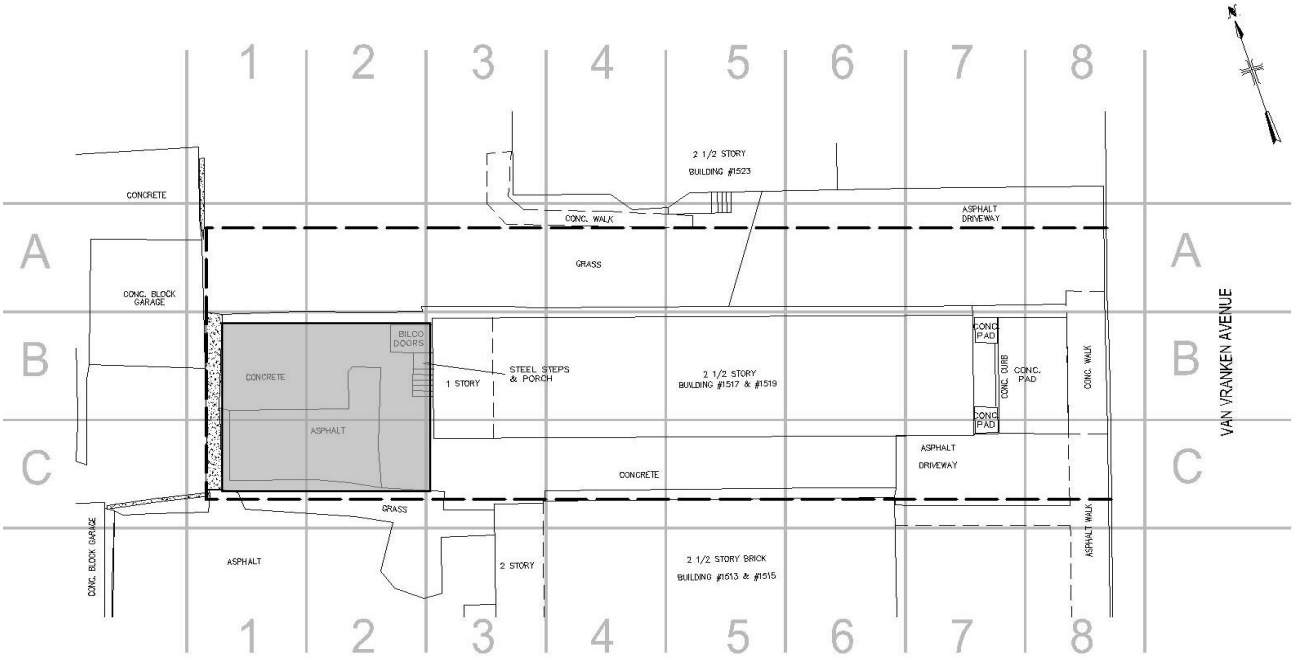
Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Cloudy/Rain	Sun/Clouds
TEMP.:	80	85
WIND:	W@7	S@8

Report No. 1
Job No. 447030 Day/Date: 8/16/2010

General Description of Work Performed: Precision Environmental Services mobilized to site and began excavation of asphalt and concrete surfaces behind Union Cleaners building (grid B 1&2 and C 1&2). Two roll-off containers delivered. Perimeter fencing erected along southern site boundary, and along northern adjacent residence walkway. Debris loaded into roll-off containers placed on northern portion of site (grid A 1,2,& 3). 10 tons of crushed stone delivered, placed on fabric, and compacted for roll-off container access (grid A 4&5) due to soft ground conditions, providing stable access to containers. Concrete and asphalt demolition completed. Two roll-off containers filled with concrete/asphalt and ready for pickup in a.m. Tomorrow the area is scheduled to be graded, soil removed, and site prepared for survey.

Areas of work (shaded areas):



Prepared by Malcolm Pirnie, Inc.

General Contractor: Precision Environmental Services

Contractor's Personnel / Contractor's Equipment

Classification	No.	Hours	Other	Description	Size	No.	Hours	Other
Project Manager	1	5		Excavator	Komatsu PC40R	1	8	
Foreman	1	8						
Operators	1	8		Bobcat		1	8	
Laborers	1	8						
Site Safety Officer	1	8						

Malcolm Pirnie Personnel:

Jeff Redfield

Prepared by Malcolm Pirnie, Inc.

Description of Tests/Inspections Performed: Air Monitoring – Precision Environmental: Upwind, Downwind, & Work-Zone locations (Dust & VOCs).

Materials Received: Crushed Stone

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
Crushed Stone	Roll-Off Access	Stabilized Ground	10 TONS	

Prepared by Malcolm Pirnie, Inc

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc

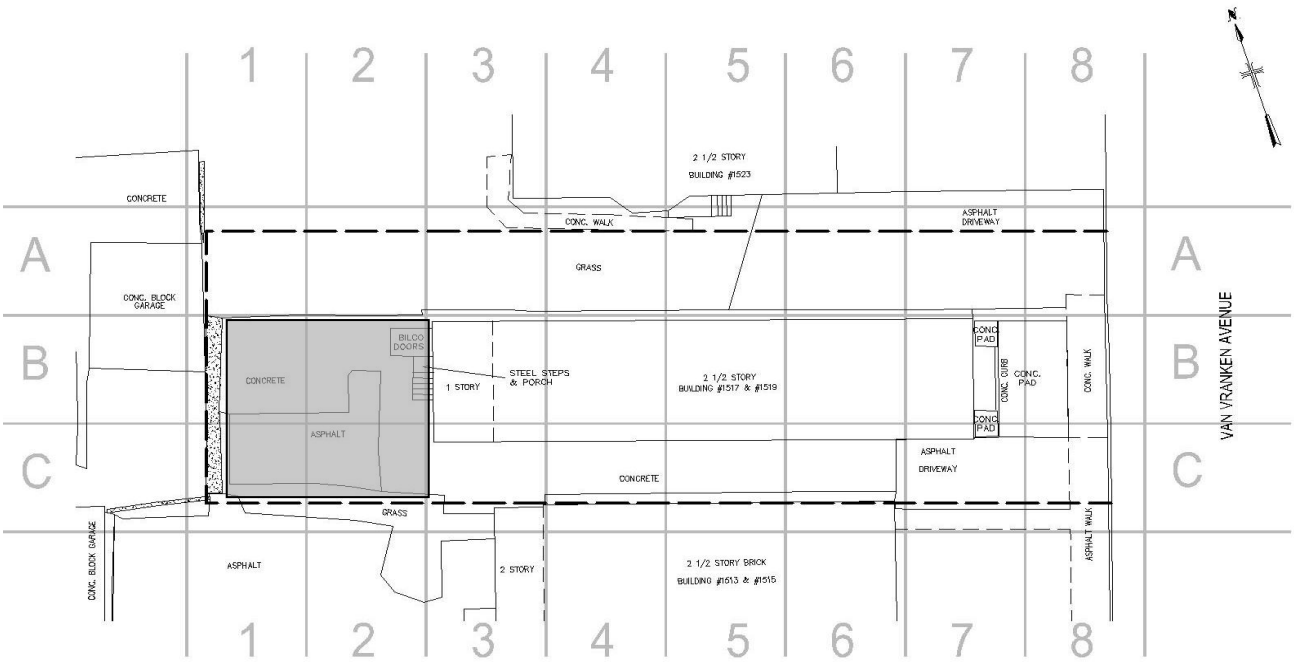
Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Sun	Sun
TEMP.:	75	85
WIND:	SW@4	SW@7

Report No. 2
Job No. 447030 Day/Date: 8/17/2010

General Description of Work Performed: Precision Environmental Services continued excavation behind Union Cleaners building (grid B 1&2 and C 1&2). Soil being excavated to necessary grade to prepare for new slab and trenches. An existing concrete slab was unearthed approximately 1.5 feet below original grade, located primarily in area of grid C-1. There appears to be an old sump or pit location within the slab. A PID survey of the pit soil measured 5.2 ppm. A wooden platform walkway was constructed for the rear stairway entrance, providing access for the residents over the disturbed soil to the driveway. Two roll-off containers (primarily concrete and asphalt) were transported off-site. Two more containers were delivered and filled with excavated soil and concrete block debris. Containers are scheduled for off-site transport in the morning, and are covered with poly sheeting. Removal of remaining soil (approx. 2 containers) from slab area is scheduled for the morning, with survey to follow.

Areas of work (shaded areas):



General Contractor: Precision Environmental Services

Contractor's Personnel

Classification	No.	Hours	Other
Project Manager	1	5	
Foreman	1	7.5	
Operators	1	7.5	
Laborers	1	7.5	
Site Safety Officer	1	7.5	

Contractor's Equipment

Description	Size	No.	Hours	Other
Excavator	Komatsu PC40R	1	7.5	
Bobcat		1	7.5	

Malcolm Pirnie Personnel:

Jeff Redfield

Prepared by Malcolm Pirnie, Inc.

Description of Tests/Inspections Performed: Air Monitoring – Precision Environmental: Upwind, Downwind, & Work-Zone locations (Dust & VOCs).

Materials Received: None

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks

Prepared by Malcolm Pirnie, Inc

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc

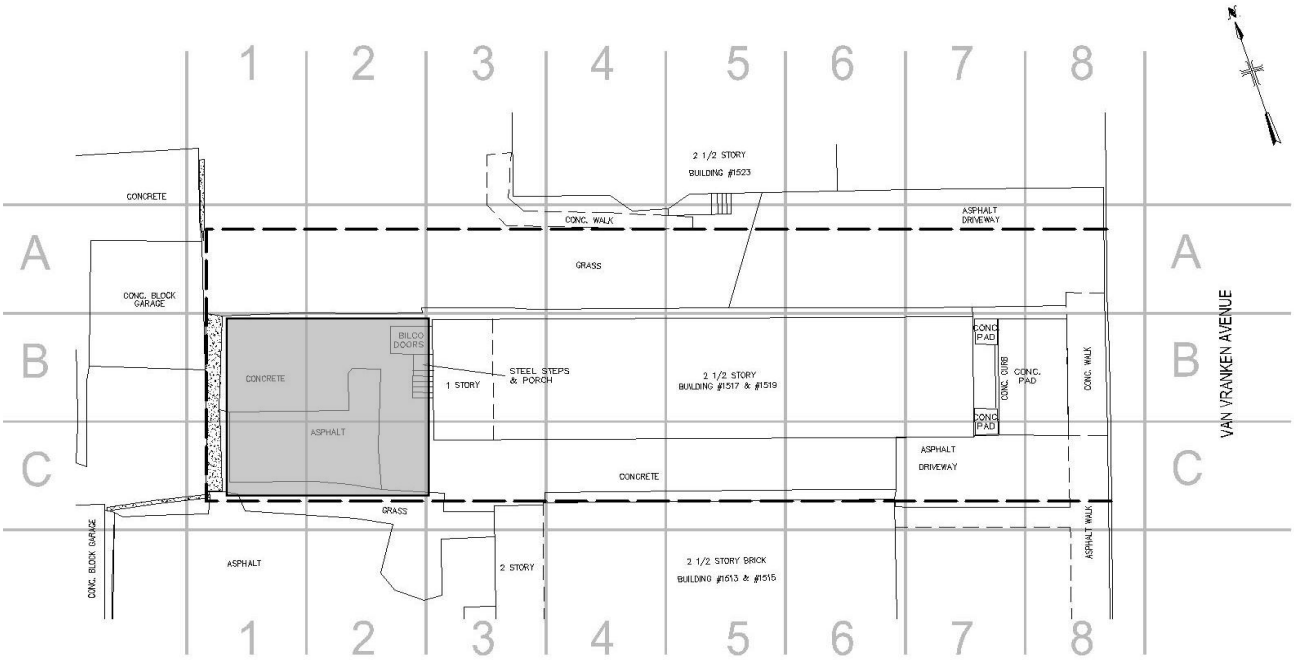
Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Clouds/Sun	Sun
TEMP.:	70	80
WIND:	SW@2	SW@4

Report No. 3
Job No. 447030 Day/Date: 8/18/2010

General Description of Work Performed: Precision Environmental Services continued excavation behind Union Cleaners building (grid B 1&2 and C 1&2). Initial removal of soil and concrete from former concrete/asphalt area is now complete. Three roll-off containers of material were transported off-site. One container (half-full) remains on site, covered with poly sheeting, for transport tomorrow. Survey and mark-out of planned trench lines and monitoring well locations was completed. Cutting/demolition of the unearthed concrete slab and excavation of trenches are planned for tomorrow.

Areas of work (shaded areas):



General Contractor: Precision Environmental Services

Contractor's Personnel

Classification	No.	Hours	Other
Project Manager	1	3.5	
Foreman	1	4	
Operators	1	4	
Laborers	1	6	
Site Safety Officer	1	6	

Contractor's Equipment

Description	Size	No.	Hours	Other
Excavator	Komatsu PC40R	1	4	
Bobcat		1	4	

Malcolm Pirnie Personnel:

Jeff Redfield

Prepared by Malcolm Pirnie, Inc.

Description of Tests/Inspections Performed: Air Monitoring – Precision Environmental: Upwind, Downwind, & Work-Zone locations (Dust & VOCs).

Materials Received: None

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks

Prepared by Malcolm Pirnie, Inc

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc

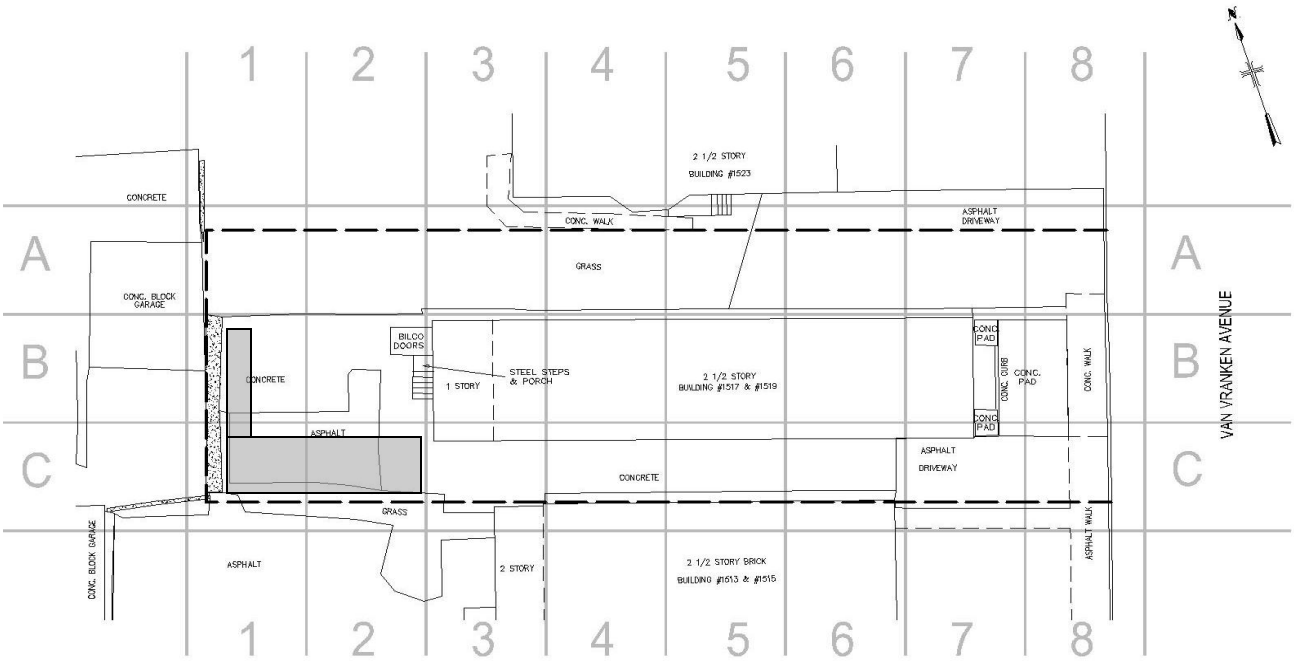
Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Sun	Sun
TEMP.:	75	85
WIND:	S@3	SW@5

Report No. 4
Job No. 447030 Day/Date: 8/19/2010

General Description of Work Performed: Precision Environmental Services completed installation of trench #1 (southern-most trench). The layout of the trench was shifted 8 inches to the east to compensate for an 8-inch wide concrete block wall that was discovered adjacent to the stone retaining wall on the west end. The concrete wall likely provides structural integrity for the stone retaining wall and was not disturbed. Construction of the header line trench connecting trench # 1 to the planned SVE system enclosure was also completed. Excavation/installation of the remaining trenches is planned for tomorrow.

Areas of work (shaded areas):



General Contractor: Precision Environmental Services

Contractor's Personnel / Contractor's Equipment

Classification	No.	Hours	Other	Description	Size	No.	Hours	Other
Project Manager	1	4		Excavator	Komatsu PC40R	1	8	
Foreman	1	8						
Operators	1	8		Bobcat		1	8	
Laborers	1	8						
Site Safety Officer	1	8						

Malcolm Pirnie Personnel:

Jeff Redfield

Prepared by Malcolm Pirnie, Inc.

Description of Tests/Inspections Performed: Compaction Testing- Evergreen Testing & Environmental Services. Air Monitoring – Precision Environmental: Upwind, Downwind, & Work-Zone locations (Dust & VOCs).

Materials Received: Crushed Stone & Sand

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
Crushed Stone	stockpile	SVE trench backfill	20 tons	
Sand	stockpile	header line backfill	20 yds.	

Prepared by Malcolm Pirnie, Inc

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc

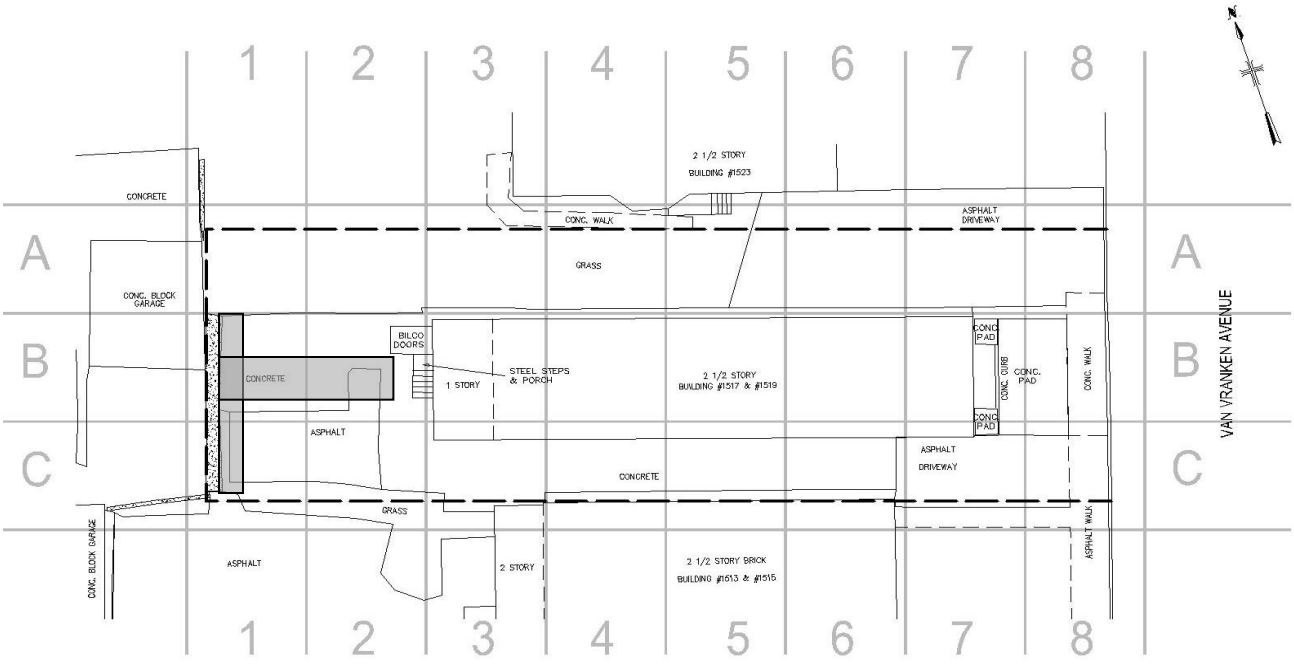
Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Sun	Sun
TEMP.:	70	75
WIND:	NW@6	NW@8

Report No. 5
Job No. 447030 Day/Date: 8/20/2010

General Description of Work Performed: Precision Environmental Services completed installation of SVE trench #2 (middle trench). Construction of the header line trench connecting trench # 2 to the planned SVE system enclosure was also completed. Fittings were completed and 3-inch PVC risers attached at the planned enclosure location for SVE lines 1 & 2. A pressure test of each line was completed to ensure seal integrity of the PVC header lines and risers. One roll-off container of soil and debris was transported off site. Excavation/installation of trench # 3 is planned for Monday.

Areas of work (shaded areas):



General Contractor: Precision Environmental Services

Contractor's Personnel

Classification	No.	Hours	Other
Project Manager	1	3	
Foreman	1	6.5	
Operators	1	6.5	
Laborers	1	6.5	
Site Safety Officer	1	6.5	

Contractor's Equipment

Description	Size	No.	Hours	Other
Excavator	Komatsu PC40R	1	6.5	
Bobcat		1	6.5	

Malcolm Pirnie Personnel:

Jeff Redfield

Prepared by Malcolm Pirnie, Inc.

Description of Tests/Inspections Performed: Compaction Testing- Evergreen Testing & Environmental Services. Air Monitoring – Precision Environmental: Upwind, Downwind, & Work-Zone locations (Dust & VOCs).

Materials Received: None

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks

Prepared by Malcolm Pirnie, Inc

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc

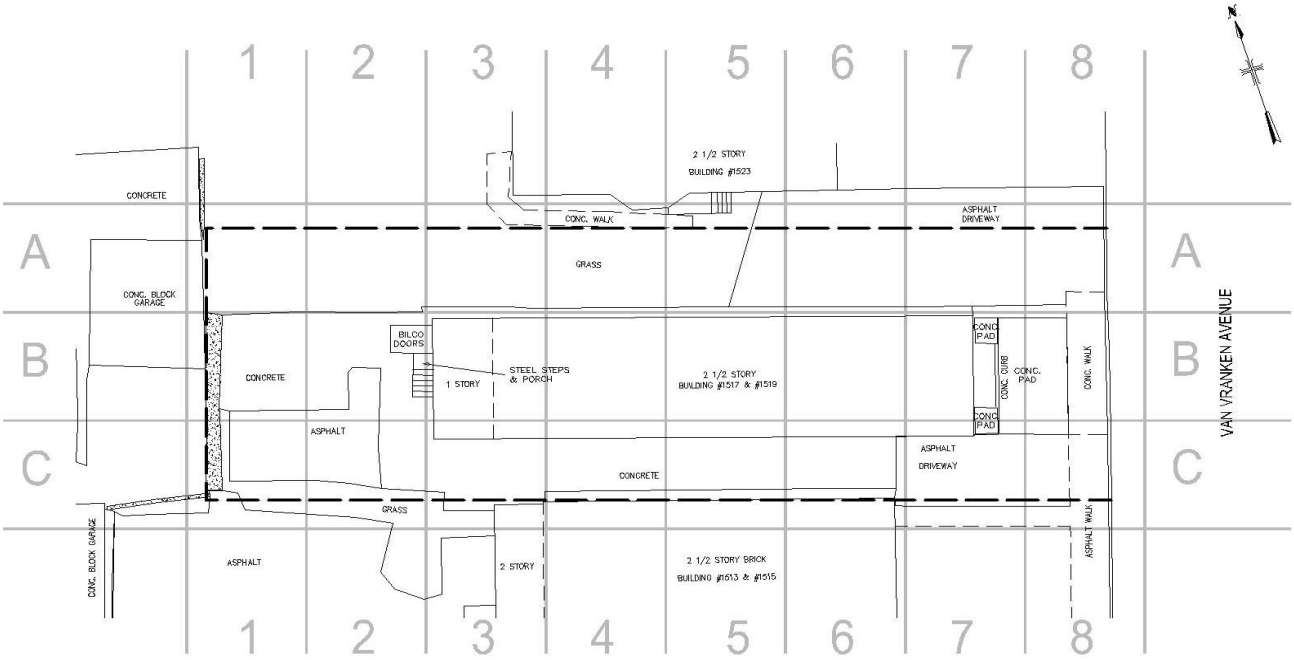
Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Rain	-
TEMP.:	60	-
WIND:	NE@10	-

Report No. 6
Job No. 447030 Day/Date: 8/23/2010

General Description of Work Performed: Due to saturated soil conditions resulting from steady rains, Precision Environmental Services elected to suspend work for the day. The site was observed to be in secure condition following the weekend break. Excavation/installation of SVE trench # 3 is planned for Tuesday.

Areas of work (shaded areas): NA



Prepared by Malcolm Pirnie, Inc.

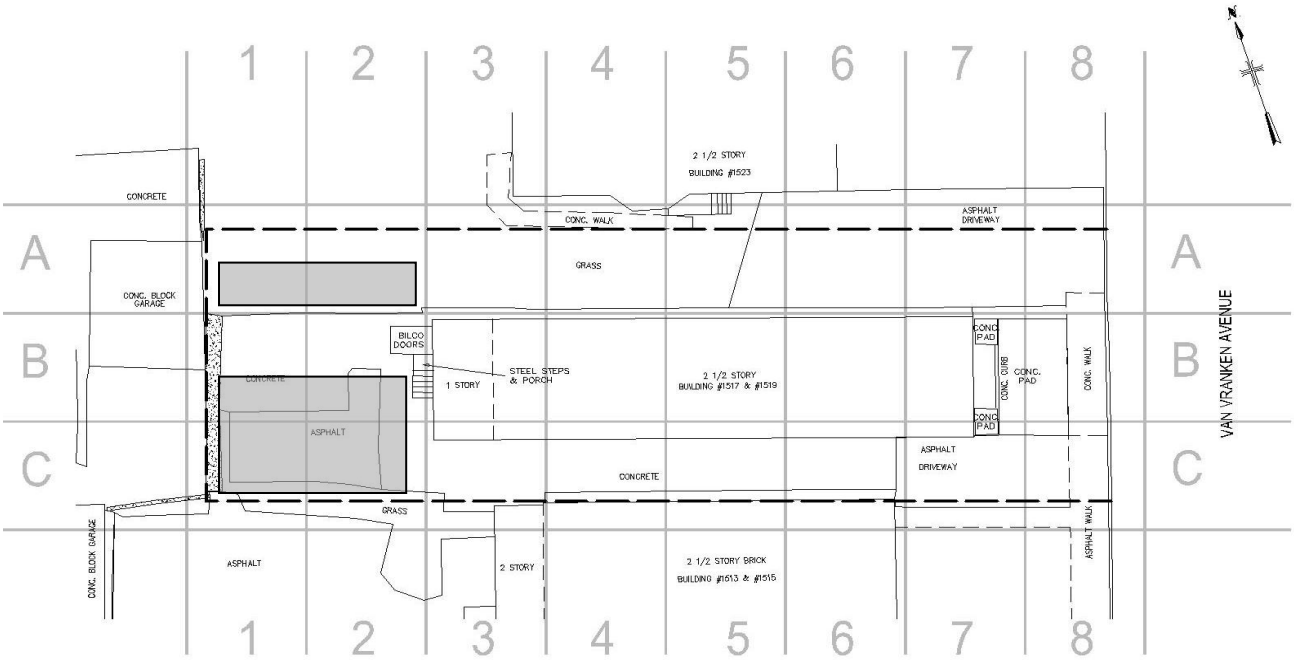
Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Clouds	Clouds
TEMP.:	65	70
WIND:	NE@5	NE@5

Report No. 7
Job No. 447030 Day/Date: 8/24/2010

General Description of Work Performed: Precision Environmental Services completed installation of SVE trench #3 (northern-most trench). Construction of the header line trench connecting trench # 3 to the planned SVE system enclosure is planned for tomorrow. A partial amount of crushed stone was installed in the planned concrete slab area. One roll-off container of soil and debris was filled and covered with poly sheeting, pending off-site transport tomorrow. Electricians are scheduled to be on site tomorrow to install conduit for the planned SVE system enclosure.

Areas of work (shaded areas):



General Contractor: Precision Environmental Services

Contractor's Personnel

Classification	No.	Hours	Other
Project Manager	1	4	
Foreman	1	7.5	
Operators	1	7.5	
Laborers	1	7.5	
Site Safety Officer	1	7.5	

Contractor's Equipment

Description	Size	No.	Hours	Other
Excavator	Komatsu PC40R	1	7.5	
Bobcat		1	7.5	

Malcolm Pirnie Personnel:

Jeff Redfield

Prepared by Malcolm Pirnie, Inc.

Description of Tests/Inspections Performed: Air Monitoring – Precision Environmental: Upwind, Downwind, & Work-Zone locations (Dust & VOCs).

Materials Received: Crushed Stone

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
Crushed Stone	stockpile	SVE trench backfill & concrete area base	20 tons	

Prepared by Malcolm Pirnie, Inc

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc

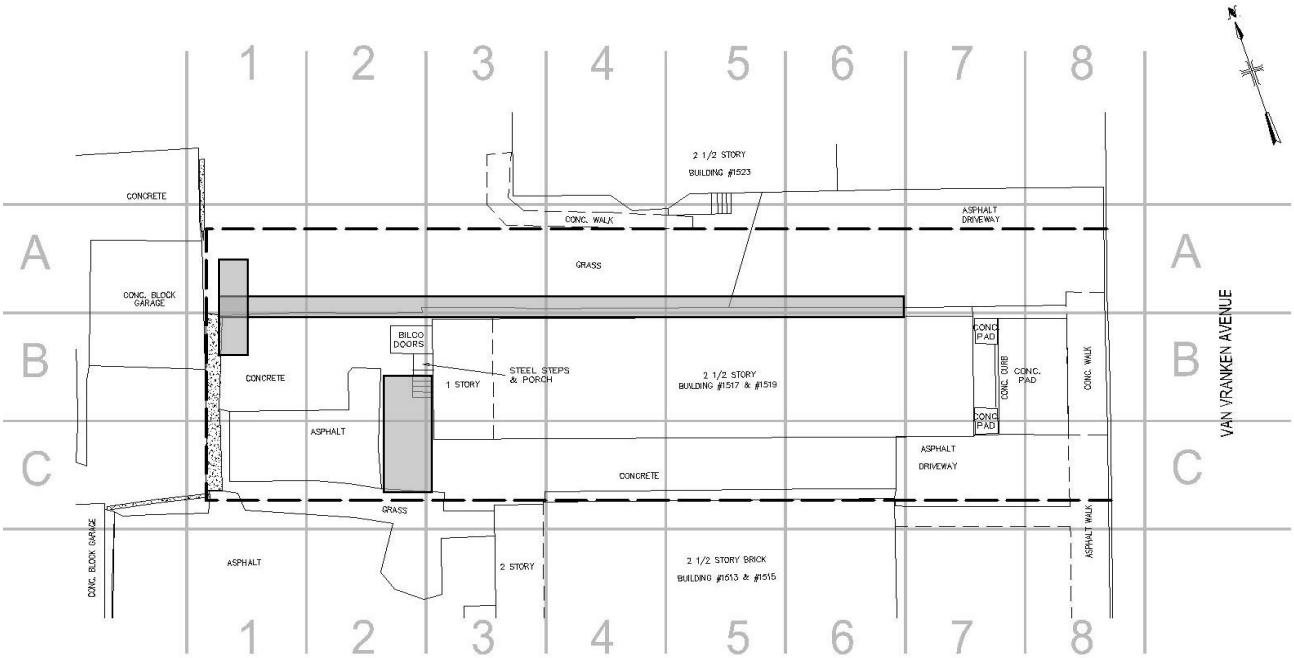
Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Clouds	Clouds
TEMP.:	65	70
WIND:	E@5	E@5

Report No. 8
Job No. 447030 Day/Date: 8/25/2010

General Description of Work Performed: Precision Environmental Services completed connection of SVE trench # 3 to the planned SVE system enclosure. Excavation and placement of buried electric and telemetry conduit was also completed. Electrical conduit along the building is complete, pending final wiring and connections which will be made upon SVE system delivery. Soil along the existing concrete edge in the vicinity of the rear stairway was removed and replaced with crushed stone. One roll-off container of soil and debris was filled and covered with poly sheeting, pending off-site transport tomorrow. It is expected that is the last roll-off container needed. Scheduled work for tomorrow includes final placement of sand in the header line and conduit trenches where necessary, and delivery and placement of crushed stone in the concrete area. Surveyors are scheduled to be on site tomorrow to survey the completed work.

Areas of work (shaded areas):



General Contractor: Precision Environmental Services

Contractor's Personnel

Classification	No.	Hours	Other
Project Manager	1	4	
Foreman	1	7.5	
Operators	1	7.5	
Laborers	1	7.5	
Site Safety Officer	1	7.5	

Contractor's Equipment

Description	Size	No.	Hours	Other
Excavator	Komatsu PC40R	1	7.5	
Bobcat		1	7.5	

Malcolm Pirnie Personnel:

Jeff Redfield

Prepared by Malcolm Pirnie, Inc.

Description of Tests/Inspections Performed: Air Monitoring – Precision Environmental: Upwind, Downwind, & Work-Zone locations (Dust & VOCs).

Materials Received: None

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks

Prepared by Malcolm Pirnie, Inc

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc

Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

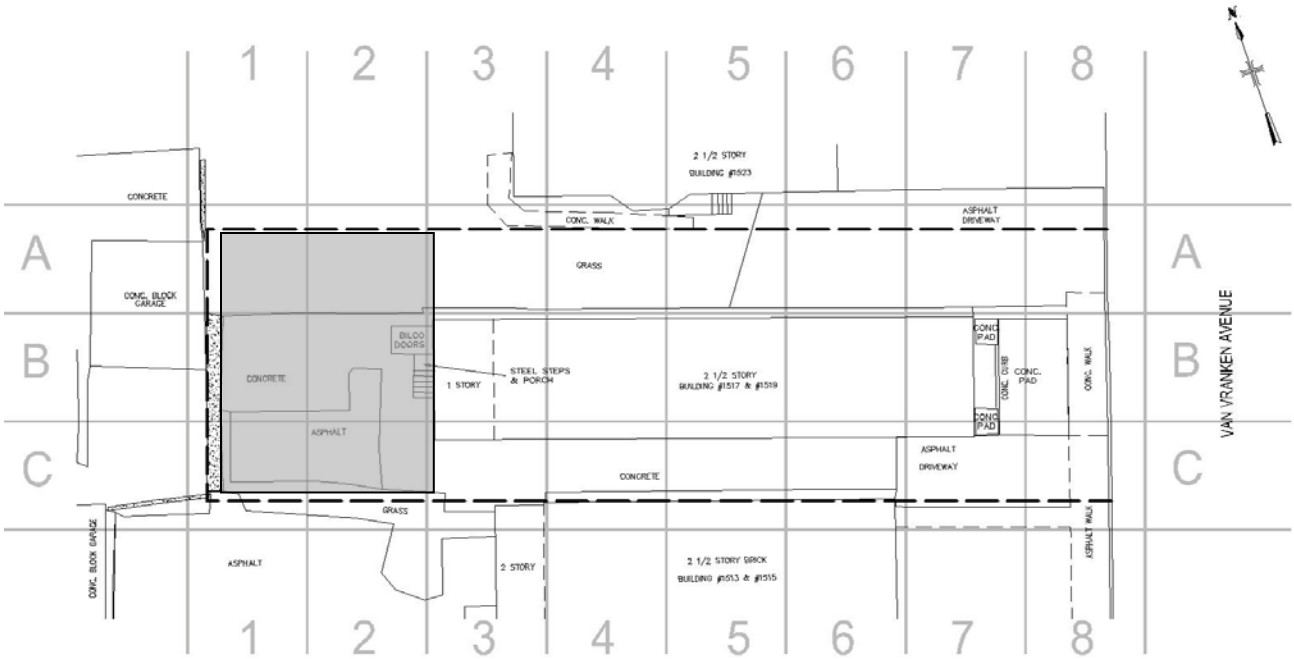
	AM	PM
WEATHER:	Partly cloudy	Sun
TEMP.:	70	77
WIND:	NE@5-10	breezy

Report No. 9

Job No. 447030 Day/Date: 8/26/2010

General Description of Work Performed: Precision Environmental Services completed backfill with sand of the connection trench from the west end of SVE trench # 3 to the planned SVE system enclosure. Backfill of the buried electric and telemetry conduit with sand was also completed. Topsoil on the adjacent property was raked out, re-graded and spread. One roll-off container of soil and debris (covered with poly sheeting) was transported off-site to the Colonie Landfill by County Waste. Spare liner was installed around the southern and western perimeters of the sub-slab area. Crushed stone was delivered, spread and graded in the area which will be under the concrete slab. A surveyor from Spectra was on site to survey the work completed to date.

Areas of work (shaded areas):



Prepared by Malcolm Pirnie, Inc.

General Contractor: Precision Environmental Services

Contractor's Personnel

Classification	No.	Hours	Other
Project Manager	1		
Foreman	1		
Operators	1		
Laborers	1		
Site Safety Officer	Yes		
Surveyor	1		

Contractor's Equipment

Description	Size	No.	Hours	Other
Excavator	Komatsu PC40R	1		
Bobcat		1		

Malcolm Pirnie Personnel:

David Hiss Part-time AM

Description of Tests/Inspections Performed: Air Monitoring – Precision Environmental: Upwind, Downwind, & Work-Zone locations (Dust & VOCs).

Materials Received: 1 triaxial truckload of stone
1 trailer of sand

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
Crushed Stone	Sub-slab	Concrete Slab Sub-base	20-24 tons	
Sand	Trenches	Backfill	2-3 CY	

Prepared by Malcolm Pirnie, Inc

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc

Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

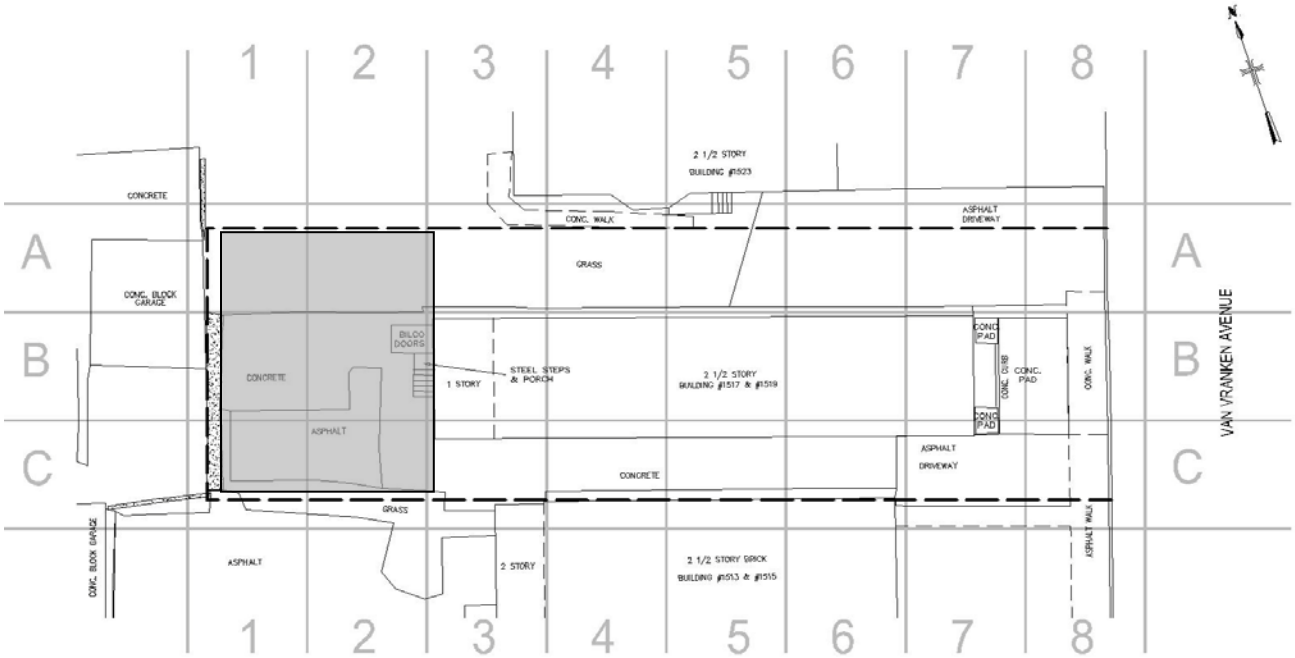
	AM	PM
WEATHER:	Sun	Sun
TEMP.:	75	77
WIND:	S@3	S@5

Report No. 10

Job No. 447030 Day/Date: 8/27/2010

General Description of Work Performed: One-half triaxial truckload of crushed stone was delivered, spread and graded in the area which will be under the concrete slab. Precision Environmental Service was compacting the stone with a mechanical plate tamper and verifying the sub-grade stone elevations.

Areas of work (shaded areas):



Prepared by Malcolm Pirnie, Inc.

General Contractor: Precision Environmental Services

Contractor's Personnel

Classification	No.	Hours	Other
Project Manager	1		
Foreman	1		
Operators	1		
Laborers	1		
Site Safety Officer	Yes		

Contractor's Equipment

Description	Size	No.	Hours	Other
Excavator	Komatsu PC40R	1		
Bobcat		1		

Malcolm Pirnie Personnel:
David Hiss Part-time AM

Description of Tests/Inspections Performed: Air Monitoring – Precision Environmental: Upwind, Downwind, & Work-Zone locations (Dust & VOCs).

Materials Received: One-half triaxial truckload of stone

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
Crushed Stone	Sub-slab	Concrete Slab Sub-base	10-12 tons	

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc.

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc.

Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

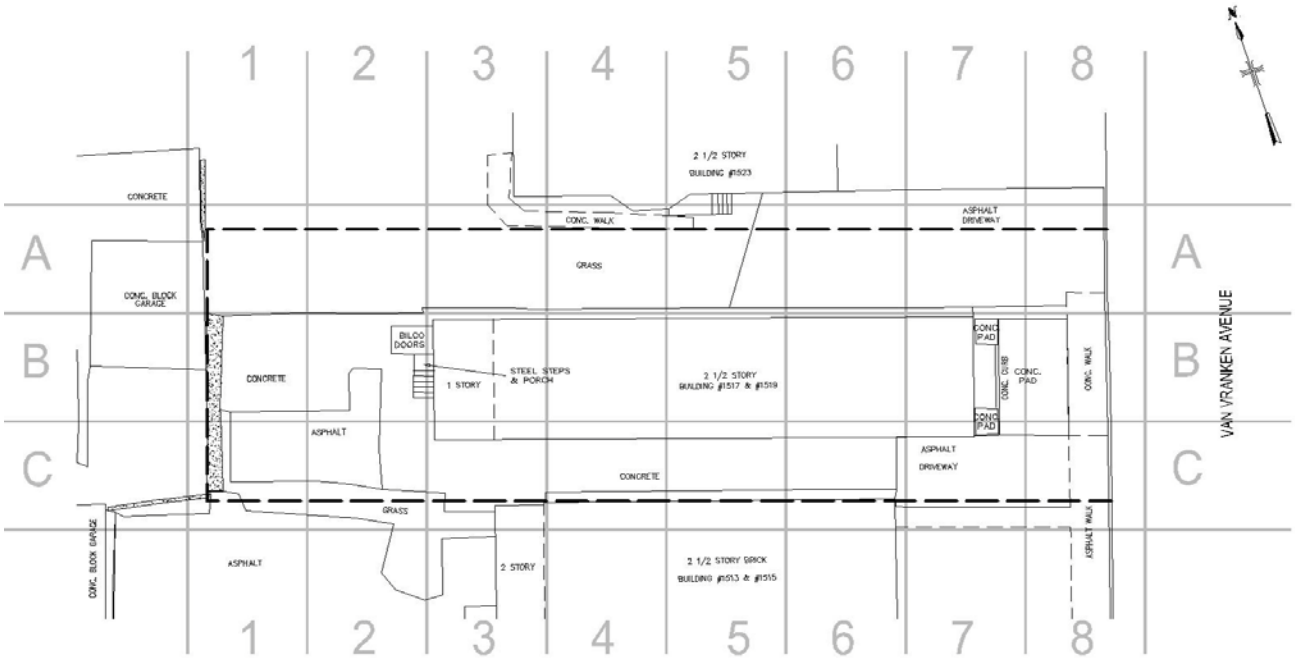
	AM	PM
WEATHER:	Sun	Sun
TEMP.:	75	85
WIND:	NA	calm

Report No. 11

Job No. 447030 Day/Date: 8/30/2010

General Description of Work Performed: No work performed

Areas of work (shaded areas):



General Contractor: Precision Environmental Services

Contractor's Personnel

Contractor's Equipment

Classification	No.	Hours	Other	Description	Size	No.	Hours	Other
None				None				

Malcolm Pirnie Personnel:

David Hiss and John Nead Part-time PM to check on last Friday's progress and introduce Mr. Nead to the project, site conditions, and property owner.

Prepared by Malcolm Pirnie

Description of Tests/Inspections Performed: None
Materials Received: Re-bar mesh and planks (since Friday noon)

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
None				

DAILY PHOTO LOG

Prepared by Malcolm Pirnie

DAILY PHOTO LOG

Prepared by Malcolm Pirnie

Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

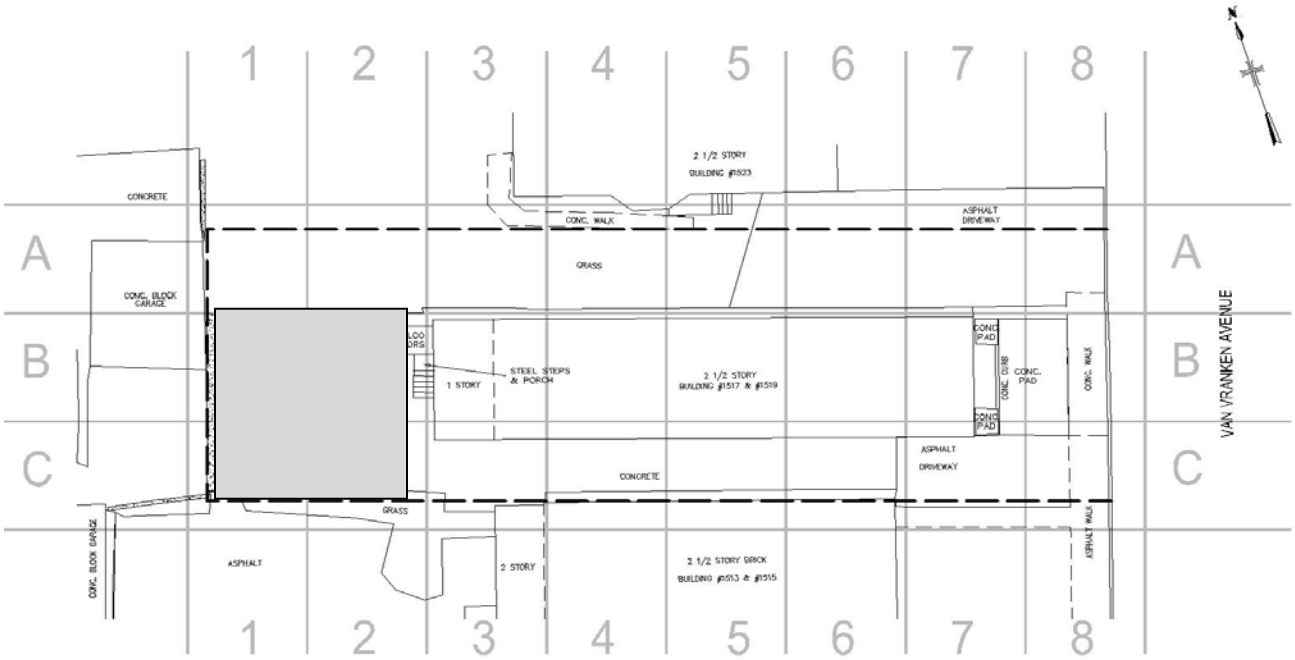
	AM	PM
WEATHER:	Sun	Sun
TEMP.:	78	93
WIND:	Calm	Calm

Report No. 12

Job No. 447030 Day - Date: Wednesday - 9/01/2010

General Description of Work Performed: AJS installing formwork and reinforcing mesh for concrete pad.

Areas of work (shaded areas):



General Contractor: Precision Environmental Services

Contractor's Personnel

Contractor's Equipment

Classification	No.	Hours	Other	Description	Size	No.	Hours	Other
Foreman	1			Pick up Truck		1		
AJS Formworkers	2			Pick up Truck		1		

Prepared by Malcolm Pirnie

Malcolm Pirnie Personnel:
David Hiss Part-time AM to check on Tuesday's progress.

Description of Tests/Inspections Performed: None
Materials Received: Wooden Forms (since Monday afternoon)

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
None				

DAILY PHOTO LOG

Prepared by Malcolm Pirnie

DAILY PHOTO LOG

Prepared by Malcolm Pirnie

Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

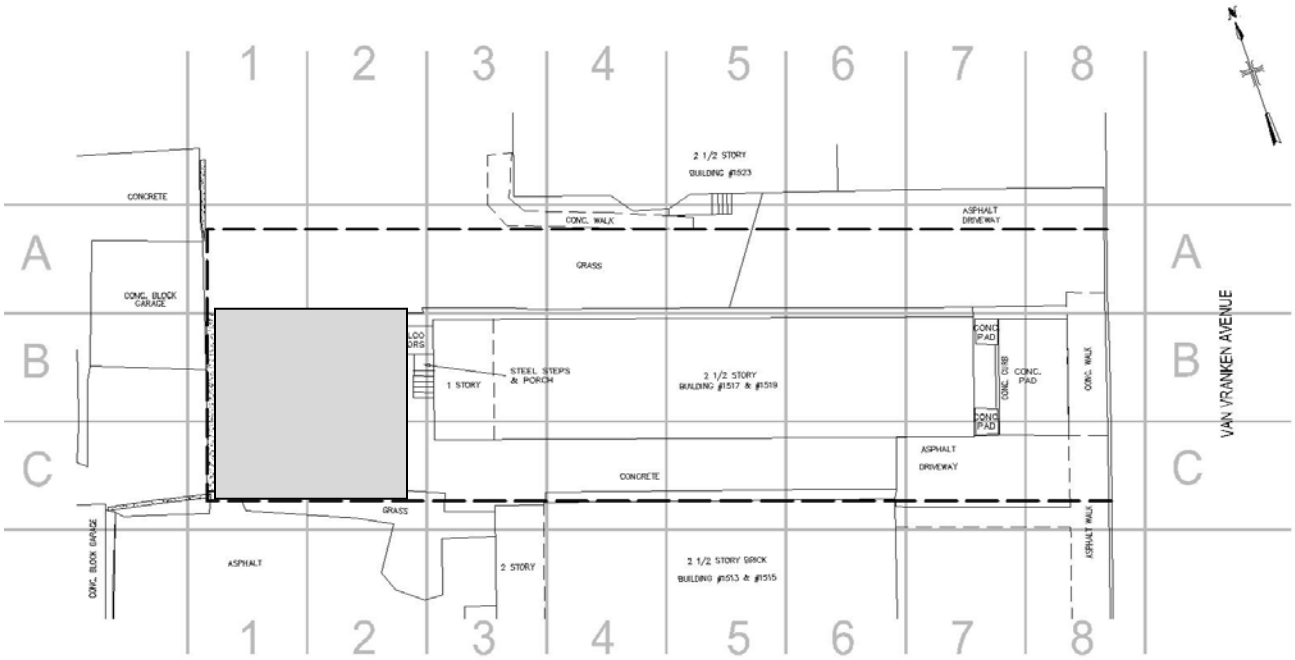
	AM	PM
WEATHER:	Sun	Sun
TEMP.:	79	93
WIND:	Calm	Calm

Report No. 13

Job No. 447030 Day - Date: Thursday - 9/02/2010

General Description of Work Performed: AJS installing reinforcing mesh and ties for concrete pad. Expansion joint abutting adjacent building and concrete sidewalk was also installed.

Areas of work (shaded areas):



General Contractor: Precision Environmental Services

Contractor's Personnel

Contractor's Equipment

Classification	No.	Hours	Other	Description	Size	No.	Hours	Other
Foreman	1			Pick up Truck		1		
AJS Formworkers	2			Pick up Truck		1		

Prepared by Malcolm Pirnie

Malcolm Pirnie Personnel:
David Hiss Part-time AM to check on progress.

Description of Tests/Inspections Performed: None
Materials Received: None

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
None				

DAILY PHOTO LOG

Prepared by Malcolm Pirnie

DAILY PHOTO LOG

Prepared by Malcolm Pirnie

Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Sun	Clouds/Sun
TEMP.:	78	85
WIND:	Calm	Calm

Report No. 14

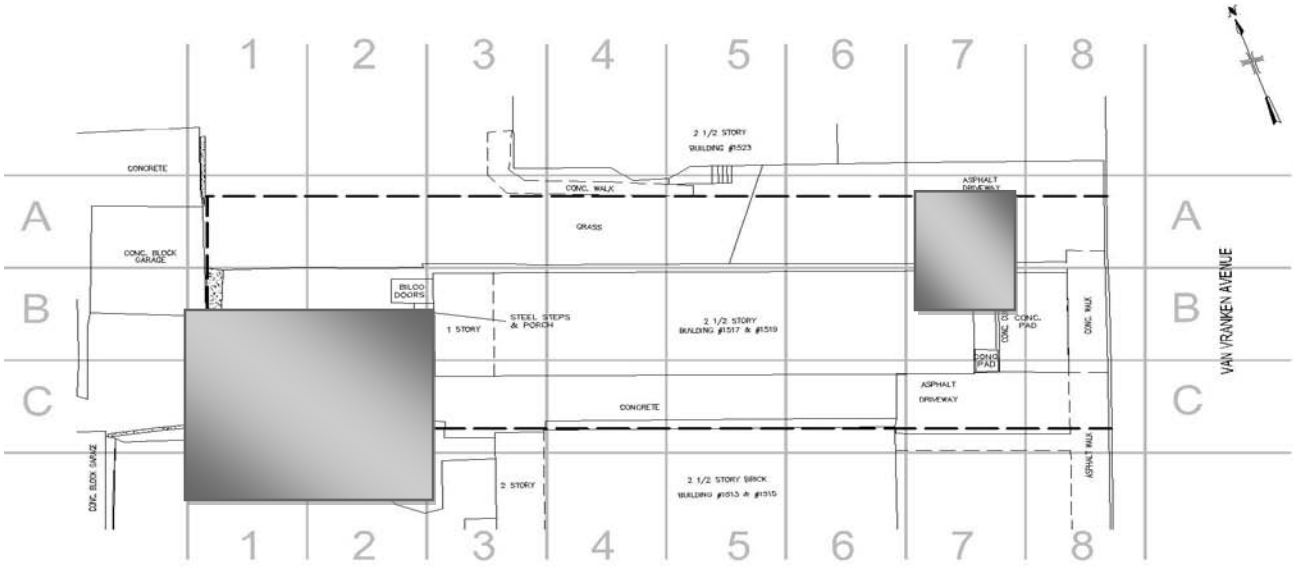
Job No. 447030 Day - Date: Friday - 9/03/2010

General Description of Work Performed: Since the end of Thursday's AM inspection, AJS finished installing reinforcing mesh and ties for concrete pad. The expansion joint abutting the end of the driveway and the perimeter formwork were both completed. On Friday, the concrete for the pad was poured, raked, spread, vibrated, sealed, trimmed, broom-finished and coated with curing compound. Loose mortar in the retaining wall was removed. Gaps between stones in the retaining wall were re-pointed with cement grout. Concrete spoils adjacent to the pad (mainly on the ground on the property to the north of the dry cleaners) were removed from ground and stockpiled in a wheel barrow for future disposal. In the early PM, a discussion was conducted between the contractor, the owner of the dry cleaners and her tenant to inform them that the pad was suitable to walk on to enter and exit the rear apartment.

(Note: The first cement mixer of the day ran through the lower utility wires which had been across the driveway on the property to the north of the dry cleaners. The truck pulled two brackets, which normally retained eight cables, off the south east corner of the wall of the adjacent building. Two of these cables, both for cable television, were broken. Precision and AJS reported this incident to Time Warner Cable (TWC) and Verizon. TWC arrived in the early afternoon and fixed the broken cables, re-mounted the bracket holding them and tested them. Precision re-mounted the other bracket with the telephone cables and marked the ones that had been disturbed. Verizon indicated that they would send a repair crew to the site within 24 hours to test the re-mounted telephone cables. Interviews with residents in three of the four apartment units in the building indicated that none of them had lost telephone service. The resident(s) of the fourth unit were not present, nor was contact information for them available. Precision and AJS were to continue monitoring the repairs to ensure an acceptable resolution throughout the weekend).

Prepared by Malcolm Pirnie

Areas of work (shaded areas):



General Contractor: Precision Environmental Services

Contractor's Personnel

Contractor's Equipment

Classification	No.	Hours	Other	Description	Size	No.	Hours	Other
Precision - Project Manager	1	3		Pick up Truck		1	3	
Precision - Foreman	1	8		Pick up Truck		1	8	
AJS - Crew	4	8		Pick up Truck		1	8	
AJS - Laborer	1	5		Cement Mixers		5	1/2 - 3/4 hours each	
AJS - Foreman	1	8						
AJS - Foreman	1	5						
Evergreen Laboratories - Field Technician	1	3						
Time Warner Cable Repair Crew	2	2						

Prepared by Malcolm Pirnie

Malcolm Pirnie Personnel:
David Hiss

Description of Tests/Inspections Performed: Evergreen reviewed mix and tested concrete for temperature, % air entrained, and slump. Evergreen filled six cylinders for laboratory strength testing.

Materials Received: Five Truckloads of Concrete from Cranesville, Cement Grout, WL Meadows Sealtight 1100 Clear Curing Compound

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
Mixed Concrete	Concrete Pad	Poured to create pad	5 trucks	

DAILY PHOTO LOG

Prepared by Malcolm Pirnie

DAILY PHOTO LOG

Prepared by Malcolm Pirnie

DAILY PHOTO LOG

Prepared by Malcolm Pirnie

Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

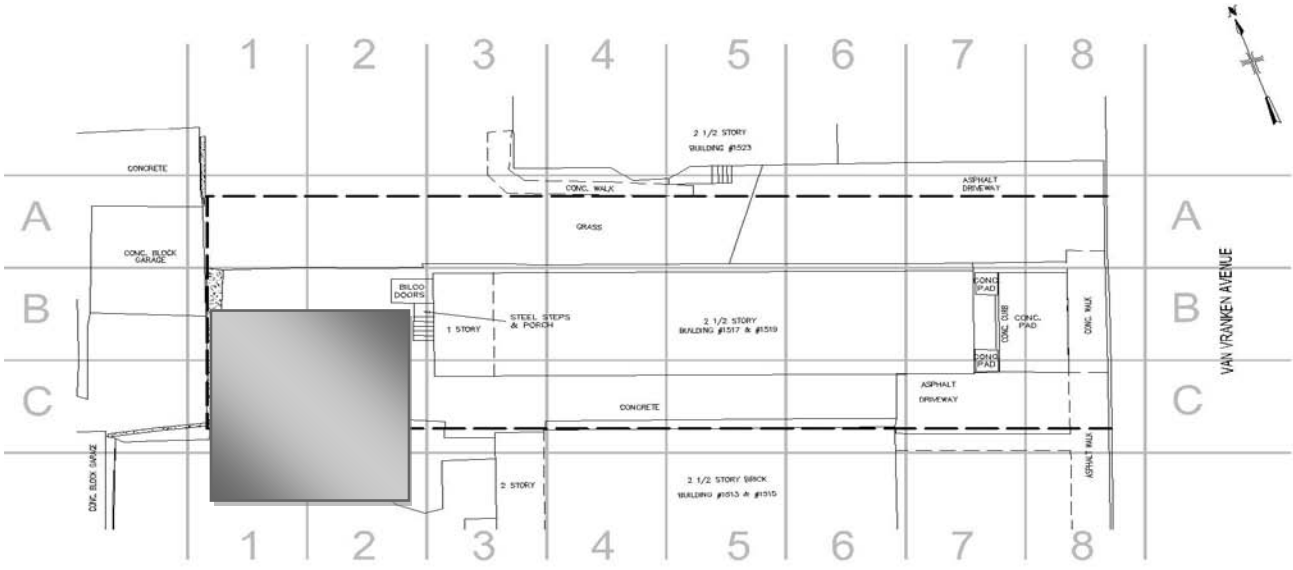
	AM	PM
WEATHER:	Sun	Clouds/Sun
TEMP.:	70	78
WIND:	South @ 5	South

Report No. 15

Job No. 447030 Day - Date: Tuesday - 9/07/2010

General Description of Work Performed: According to Precision Environmental Services (PES), on Saturday AJS saw cut the control joints in the concrete pad. On Tuesday, PES was on site cleaning up and assisting/overseeing AJS. AJS had a crew of two personnel removing forms, form supports and debris. Later in the day, AJS was planning to seal the expansion joints (some trimming or grinding may be necessary to ensure that the sealant is of sufficient thickness). AJS stated that the pad should be able to be driven on by Saturday September 11, 2010. Malcolm Pirnie shared this information with the owner of the dry cleaners and requested that PES confirm and communicate the schedule for this milestone with the owner and tenant later in the week. A wooden barrier was to be left in place on the driveway to preclude vehicle access until that time. (Note: The utility wires to the north of the dry cleaners appeared to be undisturbed from their condition at the close of operations on Friday, September 3, 2010. PES was attempting to get a status update from Verizon regarding the telephone wires.)

Areas of work (shaded areas):



Prepared by Malcolm Pirnie

General Contractor: Precision Environmental Services

Contractor's Personnel | Contractor's Equipment

Classification	No.	Hours	Other	Description	Size	No.	Hours	Other
Precision - Foreman	1			Pick up Truck		1		
AJS - Laborer	1			Pick up Truck		1		
AJS - Foreman	1							

Malcolm Pirnie Personnel:
David Hiss – Part Time in AM

Description of Tests/Inspections Performed: None

Materials Received: None

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks

DAILY PHOTO LOG

Prepared by Malcolm Pirnie

DAILY PHOTO LOG

Prepared by Malcolm Pirnie

Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Cloudy	Sun/Clouds
TEMP.:	45	50
WIND:	NE	NE

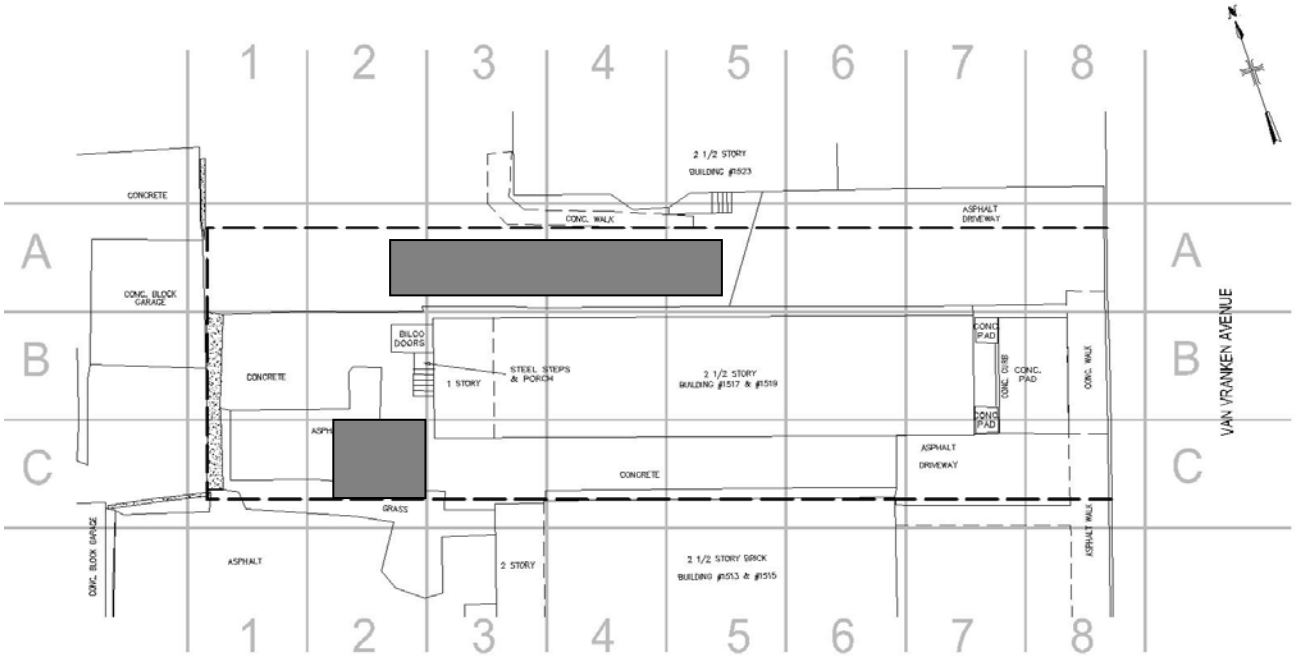
Report No. 16
Job No. 0266380 Day/Date: 11/22/10

General Description of Work Performed: Brian (Precision Environmental Services) was onsite to conduct oversight of Aquifer Drilling and Testing (ADT) while they drilled and installed two (2), 2-inch PVC monitoring wells using hollow-stem auger drilling techniques. One of the monitoring wells (MW-1R) was installed in the tenant parking lot in the rear of the building. This well was completed at a depth of 16 feet below ground surface (BGS) and screened from 9 to 16 feet BGS. Number 1 filter-pack sand was placed around the screened interval and extended above the screen to 7 feet BGS. A bentonite surface seal was then placed between 4.5 and 7 feet BGS. The borehole was then filled with a cement grout mixture to the surface. MW-2R was installed in the adjacent grassy area north of the tenant parking area. This well was completed at a depth of 15 feet BGS and was screened from 5 to 15 feet BGS. Number 1 clean sand filter pack was placed around the screened interval and extended to 3 feet BGS. A 1-foot thick bentonite surface seal was place on top of the filter pack sand from 2 to 3 feet BGS. A mixture of cement and grout was placed in the borehole on top of the bentonite seal and extended to the surface. A steel plate was placed over the opening to MW-1R following the work to allow the tenant to continue parking on the concrete slab.

Meetings: E. Moskal (Malcolm Pirnie, Inc.) met with the Natasha Polishchuk (property owner) upon arrival in the morning to discuss the planned day's activities. E. Moskal also met with Ms. Polishchuk before leaving the site to discuss the progress of the work day.

Prepared by Malcolm Pirnie, Inc.

Areas of work (shaded areas):



Description of Tests/Inspections Performed: Split spoon soil samples were collected during the drilling of both wells. The soils were classified by Precision Environmental and screened for VOC vapors with a Thermo Environmental Instruments Model 580OB OVM. No VOC vapors were detected in the soils screened with this instrument.

DAILY PHOTO LOG

Pulling augers after completion of MW-1R

Prepared by Malcolm Pirnie, Inc.

MW-2R drilling location

MW-1R

Prepared by Malcolm Pirnie, Inc

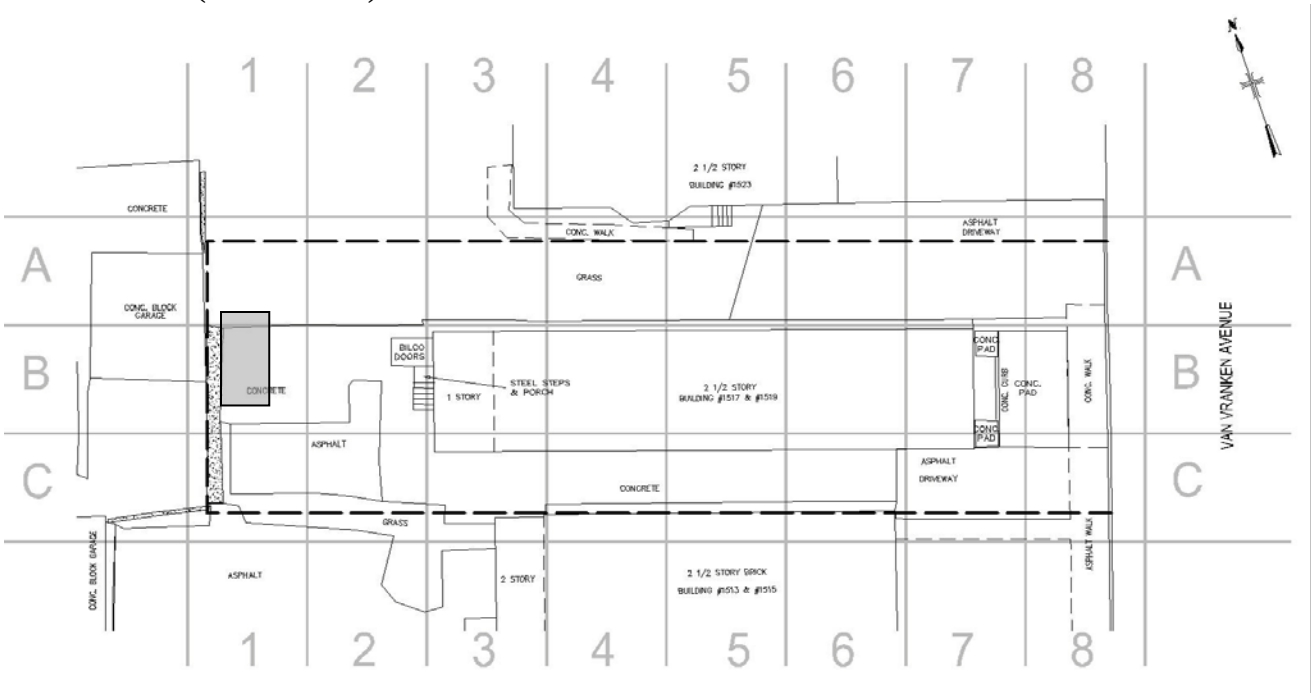
Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Clouds	Clouds
TEMP.:	24	27
WIND:	NE@5-10	WSW@3

Report No. 17
Job No. 447030 Day/Date: Monday/ 12/6/2010

General Description of Work Performed: Precision Environmental Services completed delivery and placement of the SVE system and enclosure. It was noted that, with the enclosure in place, the pipe ends coming from the trench lines do not align with those in the enclosure. Elbows will have to be used to join the system. Scheduled work for tomorrow includes shimming under and stabilizing the foundation of the enclosure, running the exhaust pipeline from the enclosure and making electrical connections from the enclosure to the electric meter.

Areas of work (shaded areas):



Prepared by Malcolm Pirnie, Inc

General Contractor: Precision Environmental Services

Contractor's Personnel / Contractor's Equipment

Classification	No.	Hours	Other	Description	Size	No.	Hours	Other
Project Manager	1	4		Forklift		1	4	
Foreman								
Truck Driver	1	1.5		Truck and Trailer		1	1.5	
Operators	1	4						
Laborers	1	4						
Site Safety Officer	1	4						

Malcolm Pirnie Personnel:

Dave Hiss (Part time)

Jonathan Memole (Part time)

Description of Tests/Inspections Performed: None

Materials Received: SVE Treatment System and Enclosure from NES

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
SVE Treatment System and Enclosure	Northwest corner of concrete pad	Blower and control system	1	

Prepared by Malcolm Pirnie, Inc

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc

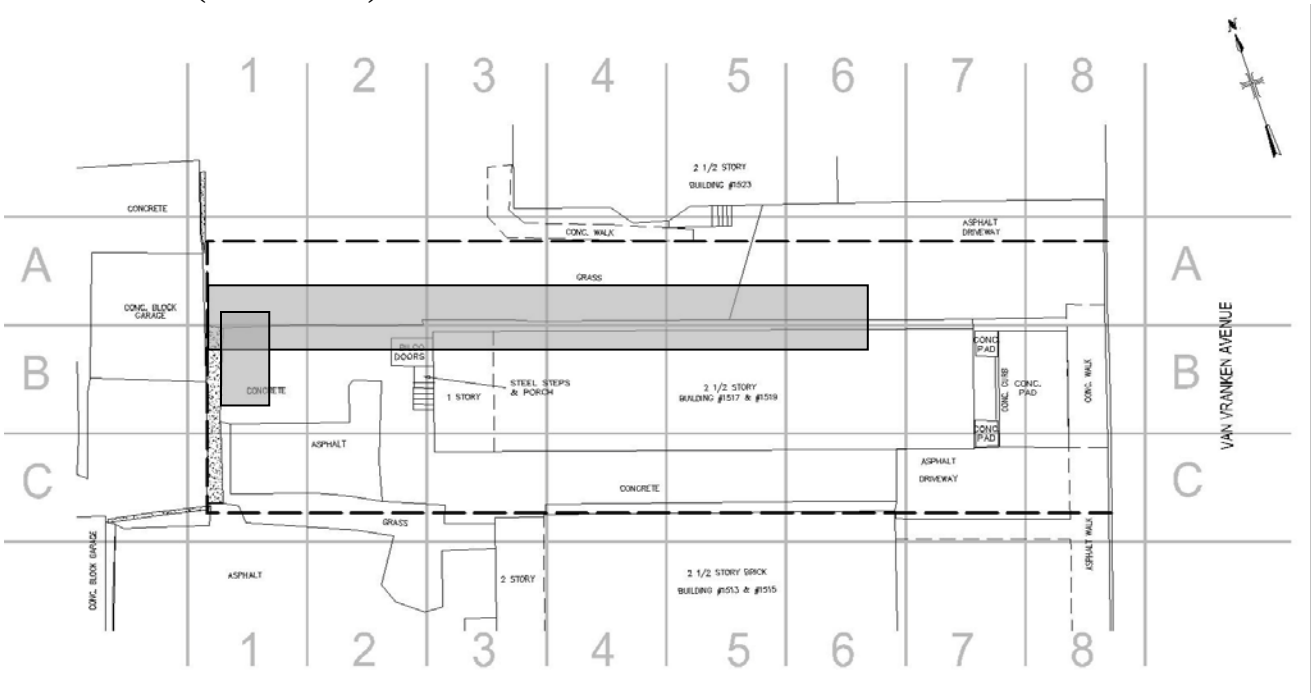
Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Clouds	Clouds
TEMP.:	28	--
WIND:	W@16	--

Report No. 18
Job No. 447030 Day/Date: Tuesday/ 12/7/2010

General Description of Work Performed: Precision Environmental Services completed connection of the exhaust stack and fresh air intake to the planned SVE system enclosure. Progress was also made on the final wiring and connections to the SVE system. Additionally, the base of the enclosure was leveled and stabilized using pressure treated timbers. Scheduled work for tomorrow includes continuing the wiring, and tying in the SVE system to the exposed ends of the trench lines.

Areas of work (shaded areas):



Prepared by Malcolm Pirnie, Inc

General Contractor: Precision Environmental Services

Contractor's Personnel / Contractor's Equipment

Classification	No.	Hours	Other	Description	Size	No.	Hours	Other
Project Manager	1			Truck		2		
Foreman								
Electrician	1		From Stilsing Electric					
Laborers	2							
Site Safety Officer	1							

Malcolm Pirnie Personnel:

Jonathan Memole: Part time AM to check on progress, confirm mounting pathway of stack, and to update property owner on the status of the installation.

Description of Tests/Inspections Performed: None

Materials Received: Sch 80 CPVC and galvanized metal pipe and fittings, pressure treated footing timber, and steel pipe supports.

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
None				

Prepared by Malcolm Pirnie, Inc

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc

Prepared by Malcolm Pirnie, Inc

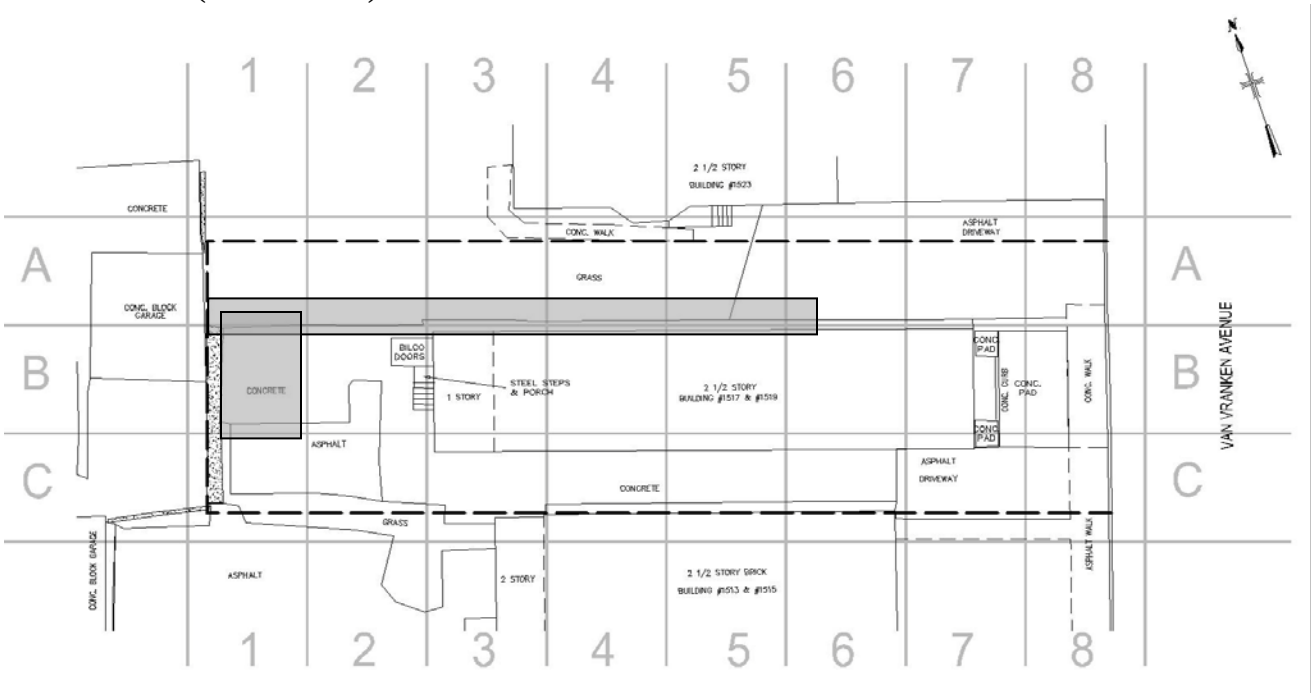
Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Clouds	--
TEMP.:	26	--
WIND:	NW@4	--

Report No. 19
Job No. 447030 Day/Date: Wednesday/ 12/8/2010

General Description of Work Performed: Precision Environmental Services completed tying in the SVE system to the exposed ends of the trench lines, began securing the enclosure to the concrete slab, and erected safety bollards around the system. Additionally, the final wiring and connections to the SVE system were completed pending the meter's connection to the utility. It was noted that, due to the position of the system, angle iron is needed to secure the enclosure to the side of the slab. Materials will be obtained in the future to accomplish this task.

Areas of work (shaded areas):



Prepared by Malcolm Pirnie, Inc

General Contractor: Precision Environmental Services

Contractor's Personnel

Classification	No.	Hours	Other
Project Manager	1		
Foreman			
Electrician	1		From Stilsing Electric
Laborers	2		
Site Safety Officer	1		

Contractor's Equipment

Description	Size	No.	Hours	Other
Truck		2		

Malcolm Pirnie Personnel:

Jonathan Memole: (Part time)

Description of Tests/Inspections Performed: None

Materials Received: Three safety bollards

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
None				

Prepared by Malcolm Pirnie, Inc

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc

Prepared by Malcolm Pirnie, Inc

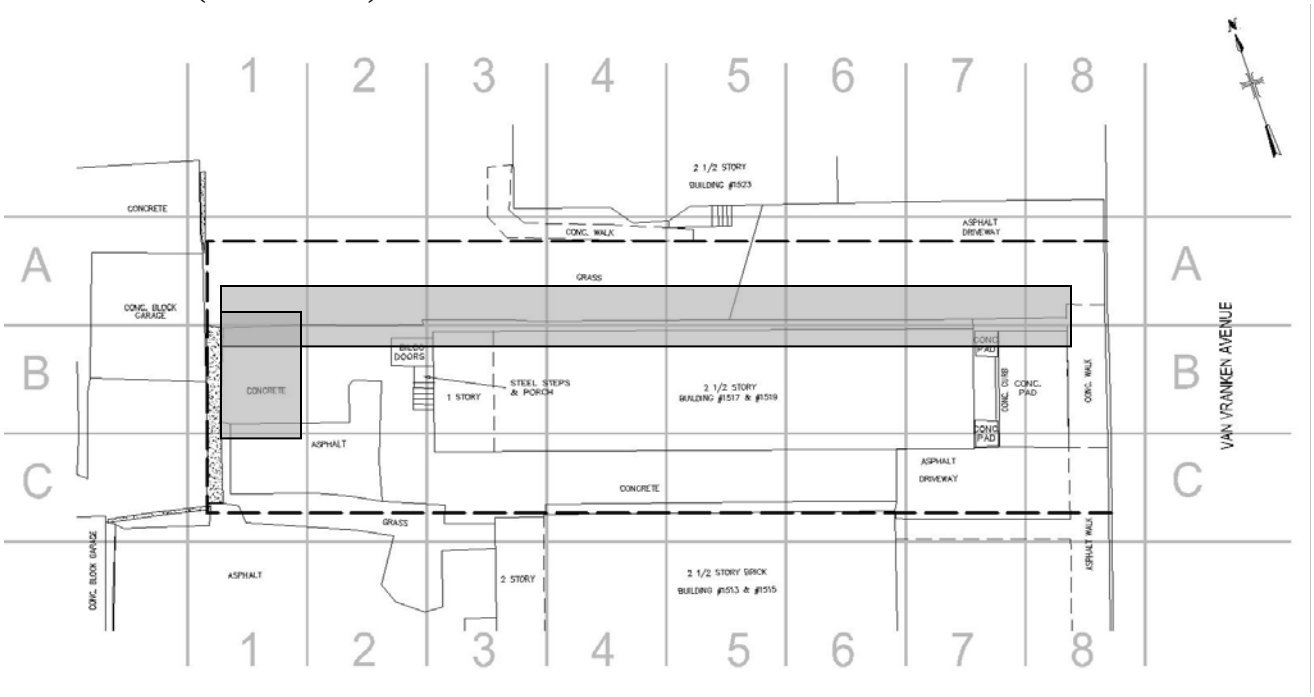
Dambrose Cleaners Site
Site # 447030
Contract# D004443
Daily Inspection Report

	AM	PM
WEATHER:	Clouds	--
TEMP.:	--	21
WIND:	--	WNW@

Report No. 20
Job No. 447030 Day/Date: Monday/ 12/13/2010

General Description of Work Performed: Precision Environmental Services sealed the opening in the concrete where the vent lines and conduit enter the system, and finished securing the enclosure to the concrete slab using sections of angle iron. Additionally, a Verizon representative was on-site to run phone line for the system. It was noted that more sealing will be required to protect the system from the elements and infestation. Materials will be obtained in the future to accomplish this task.

Areas of work (shaded areas):



Prepared by Malcolm Pirnie, Inc

General Contractor: Precision Environmental Services

Contractor's Personnel

Classification	No.	Hours	Other
Project Manager	1		
Foreman			
Electrician	1		From Verizon
Laborers	2		
Site Safety Officer	1		

Contractor's Equipment

Description	Size	No.	Hours	Other
Truck		2		

Malcolm Pirnie Personnel:

Jonathan Memole: (Part time)

Description of Tests/Inspections Performed: None

Materials Received: Foam boards and sealant, Angle iron, bolts, chain and padlock

Quantities/Pay Items:

Item	Location	Description	Quantity	Remarks
None				

Prepared by Malcolm Pirnie, Inc

DAILY PHOTO LOG

Prepared by Malcolm Pirnie, Inc

Prepared by Malcolm Pirnie, Inc

APPENDIX C

Material Disposal Receipts

Town of Colonie Envir. Service
1319 Loudon Road
Cohoes, New York 12047

I 2000

000890 Corbett Management Services
4880 Duguid Rd.
Manlius NY 13104

TICKET	UNIT	WEIGHTMASTER
02 419973	L6P1	B.Kennedy010326

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
08/17/10	08/17/10	10:36	10:48	553	

REFERENCE	ORIGIN
CLEAN FILL	CSCH CITY OF SCHENECTADY

Scale 1 Gross Wt.	62320	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	31860	LB	
Net Weight	30460	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
15.23	TON	Road Base Materials			0.00	

Operating hours 7AM to 3PM Monday thru Friday and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp)

AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE CRO

County Waste

P.O. Box 431
Clifton Park, New York 12065
el (518)-877-7007 / Fax (518) 877-7337

1356583
01- 193959 3
8/17/10
4030
415

I 2000

UNION CLEANERS
1517-1523 VAN VRANKEN AVE
SCHENECTADY NY 12308

(518) 000-0000

)LL OFF

Action Time:

Created: 8/13/10 13:28 By CPAGE40

001	8/17/10 20 FH	1.00	20Y OT DUMPSRETURN CENFIL	
002	8/17/10		**MUST GO TO THE TOWN OF COLONIE**	
003	8/17/10		AND BILLED TO ACCT UNDER THE NAME	
004	8/17/10		OF:CORBETT MANAGEMENT SERVICES	
005	8/17/10		4880 DUGUID RD MANLIUS, NY	
006	8/17/10		***CUSTOMER HAS ANALYTICAL***	

THROUGH

THIS ORDER IS PER ERNIE PALMER
ANY QUESTIONS/ISSUES PLEASE
Printed by: TFARR01 on: 8/16/10 at: 16:50

COLONIE

CRO

8

Town of Colonie Envir. Service
1319 Loudon Road
Cohoes, New York 12047

I 2091

000890 Corbett Management Services
4880 Duguid Rd.
Manlius NY 13104

SITE	TICKET	GRID	WEIGHMASTER
02	420020	L6P1	B.Kennedy010326

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
08/17/10	08/17/10	12:19	12:26	553	

REFERENCE	ORIGIN
CLEAN FILL	CSCH CITY OF SCHENECTADY

Scale 1 Gross Wt.	64580	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	31320	LB	
Net Weight	33260	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
16.63	TON	Road Base Materials			0.00	

Operating hours 7AM to 3PM Monday thru Friday and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp)
Ship To CLEAN FILL

PAYMENT AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE CRO

County Waste
P.O. Box 431
Clifton Park, New York 12065
Tel (518)-877-7007 / Fax (518) 877-7337

1356586
01- 193959 3
8/17/10
4030
415

I 2091

UNION CLEANERS
1517-1523 VAN VRANKEN AVE
SCHENECTADY NY 12308

(518) 000-0000

ROLL OFF Action Time: Created: 8/13/10 13:30 By CPAGE40

0001	8/17/10 20 FH	1.00	20Y OT DUMP&RETURN CLNFIL
0002	8/17/10		**MUST GO TO THE TOWN OF COLONIE**
0003	8/17/10		AND BILLED TO THE ACCT UNDER THE
0004	8/17/10		NAME OF CORBETT MANAGEMENT SERVIC
0005	8/17/10		4880 DUGUID RD MANLIUS, NY
0006	8/17/10		***CUSTOMER HAS ANALYTICAL***

I 2091

COLONIE

THIS ORDER IS PER ERNIE PALMER
ANY QUESTIONS/ISSUES PLEASE
Printed by: TFARR01 on: 8/16/10 at: 16:50

CRO 4

Town of Colonie Envir. Service
1319 Loudon Road
Cohoes, New York 12047

000890 Corbett Management Services
4880 Duguid Rd.
Manlius NY 13104

02	420096	L6P1	B.Kennedy010326

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
08/18/10	08/18/10	08:40	08:46	553	

REFERENCE	ORIGIN
CLEAN FILL	CSCH CITY OF SCHENECTADY

Scale 1 Gross Wt.	76660	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	32340	LB	
Net Weight	44320	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
22.16	TON	Road Base Materials			0.00	

Operating hours 7AM to 3PM Monday thru Friday
and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp)
Ship To: CLEAN FILL

AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

County Waste

P.O. Box 431
Clifton Park, New York 12065
1 (518) 877-7007 / Fax (518) 877-7337

1358860
01- 193959 3
8/18/10
4029
421

UNION CLEANERS
1517-1523 VAN VRANKEN AVE
SCHENECTADY NY 12308

(518) 000-0000

Created: 8/17/10 11:31 By TFARR01

LL OFF

Action Time:

001 8/18/10 20 EH
002 8/18/10
003 8/18/10

1.00 20Y OT DUMPRETURN CLNFIL
HAS TO BE DONE EARLY AM - BY
8 / 8:30AM PLEASE

COLONIE

THIS ORDER IS PER ERNIE PALMER
ANY QUESTIONS/ISSUES PLEASE
Printed by: TFARR01 on: 8/17/10 at: 16:56

Town of Colonie Envir. Service
1319 Loudon Road
Cohoes, New York 12047

000890 Corbett Management Services
4880 Duguid Rd.
Manlius NY 13104

02	420119	L6P1		B.Kennedy010326	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
08/18/10	08/18/10	09:46	09:52	553	

REFERENCE	ORIGIN
CLEAN FILL	CSCH CITY OF SCHENECTADY

Scale 1 Gross Wt.	80400	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	32780	LB	
Net Weight	47620	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
23.81	TON	Road Base Materials			0.00	

~~Operating hours 7AM to 3PM Monday thru Friday~~ and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp)
Ship To CLEAN FILL

AMOUNT
TENDERED
CHANGE
CHECK NO.

County Waste
P.O. Box 431
Clifton Park, New York 12065
el (518) 877-7007 / Fax (518) 877-7337

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01- 193959 3
8/18/10
4029
421

UNION CLEANERS
1517-1523 VAN VRANKEN AVE.
SCHENECTADY NY 12308

(518) 000-0000

)LL OFF Action Time: Created: 8/17/10 11:31 By TFARR01

)001 8/18/10 20 EH 1.00 20Y OT DUMP&RETURN CANFIL
)002 8/18/10 2 OF 2 ** SAME INSTRUCTION

COLONIE

THIS ORDER IS PER ERNIE PALMER
ANY QUESTIONS/ISSUES PLEASE
Printed by: TFARR01 on: 8/17/10 at: 16:56

SEE REVERSE SIDE FOR TERMS & CONDITIONS

Town of Colonie Envir. Service
1319 Loudon Road
Cohoes, New York 12047

000890 Corbett Management Services
4880 Duguid Rd.
Manlius NY 13104

			WEIGHMASTER
02	420136	L6P1	B.Kennedy010326

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
08/18/10	08/18/10	10:48	10:54	553	

REFERENCE	ORIGIN
CLEAN FILL	CSCH CITY OF SCHENECTADY

Scale 1 Gross Wt.	67620	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	32240	LB	
Net Weight	35380	LB	

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.69	TON	Road Base Materials			0.00	

1517 - 23
Van V.

~~Operating hours 7AM to 3PM Monday thru Friday~~
and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp)
Ship To CLEAN FILL

AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

County Waste
P.O. Box 431
Clifton Park, New York 12065
el (518) 877-7007 / Fax (518) 877-7337

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8/18/10
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421

UNION CLEANERS
1517-1523 VAN VRANKEN AVE
SCHENECTADY NY 12308

(518) 000-0000

LL OFF Action Time: Created: 8/18/10 9:37 By TFARR01

Rem.

001 8/18/10 20 FH 1.00 20Y OT DUMP RETURN CENFIL

THIS ORDER IS PER ERNIE PALMER
ANY QUESTIONS/ISSUES PLEASE
Printed by: TFARR01 on: 8/18/10 at: 9:37 I/A

Town of Colonie Envir. Service
1319 Loudon Road
Cohoes, New York 12047

000553 County Waste & Recycling Inc
PO Box 431
Clifton Park NY 12065

SITE	TICKET	GRID	WEIGHMASTER
02	420263	L6P1	B.Kennedy010326

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
08/19/10	08/19/10	08:41	08:51	553	

REFERENCE	ORIGIN
CLEAN FILL	CSCH CITY OF SCHENECTADY

Scale 1 Gross Wt.	53080	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	32820	LB	
Net Weight	20260	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
10.13	TON	Road Base Materials			0.00	

~~Operating hours 7AM to 3PM Monday thru Friday~~
and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp)
Ship To CLEAN FILL/CONTAMINATED???

AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

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8/19/10
4029
421

County Waste

P.O. Box 431
Clifton Park, New York 12065
Tel (518) 877-7007 / Fax (518) 877-7337

UNION CLEANERS
1517-1523 VAN VRANKEN AVE
SCHENECTADY NY 12308

(518) 000-0000

OLL OFF Action Time: Created: 8/18/10 10:33 By TFARR01

0001 8/19/10 20 FF 1.00 20Y OT DUMP&REMOVE CINTIL
0002 8/19/10 REM AROUND 8AM/ DUMP AT COLONIE
0003 8/19/10 UNDER CORBET ACCOUNT

COLONIE

THIS ORDER IS PER ERNIE PALMER
ANY QUESTIONS/ISSUES PLEASE
Printed by: TFARR01 on: 8/18/10 at: 16:09

Town of Colonie Envir. Service
1319 Loudon Road
Cohoes, New York 12047

000890 Corbett Management Services
4880 Duguid Rd.
Manlius NY 13104

SITE	TICKET	GRID	WEIGHMASTER
02	420523	L6P1	B.KennedyO10326

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
08/20/10	08/20/10	12:33	12:44	553	

REFERENCE	ORIGIN
CLEAN FILL	CSCH CITY OF SCHENECTADY

Scale 1 Gross Wt.	79580	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	32360	LB	
Net Weight	47220	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
23.61	TON	Petro Cont. Soil			0.00	

Corbett

~~perating hours 7AM to 3PM-Monday thru Friday~~
nd Saturday-7AM thru 2PM. This is to certify that this load
ontains no hazardous materials, medical waste or liquids of
ny type. All loads must be properly contained (tied & Tarp)
hip To CLEAN FILL

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

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County Waste

P.O. Box 431
Clifton Park, New York 12065
el (518) 877-7007 / Fax (518) 877-7337

UNION CLEANERS
1517-1523 VAN VRANKEN AVE
SCHENECTADY NY 12308

(518) 000-0000

)LL OFF Action Time: Created: 8/20/10 10:54 By TFARR01

001 8/20/10 20 FF 1.00 20Y OT DUMP&REMOVE CLNFIL

THIS ORDER IS PER ERNIE PALMER
ANY QUESTIONS/ISSUES PLEASE
Printed by: TFARR01 on: 8/20/10 at: 10:55 I/A

Town of Colonie Envir. Service
1319 Loudon Road
Cohoes, New York 12047

000890 Corbett Management Services
4880 Dugald Rd.
Manlius NY 13104

02	421109	L6P1	James P. Howlan

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
08/25/10	08/25/10	10:27	10:38	553	

REFERENCE	ORIGIN
VANVRANKEN	CSCH CITY OF SCHENECTADY

Scale 1 Gross Wt.	76660	LB
Scale 2 Tare Wt.	32400	LB
Net Weight	44260	LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
22.13	TON	Petro Cont. Soil			0.00	

~~Operating hours 7AM to 3PM Monday thru Friday~~
and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp)

AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

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421

County Waste

P.O. Box 431
Clifton Park, New York 12065
(518) 877-7007 / Fax (518) 877-7337

UNION CLEANERS
1517-1523 VAN VRANKEN AVE
SCHENECTADY NY 12308

(518) 000-0000

L OFF

Action Time:

Created: 8/24/10 12:51 By TFARR01

01 8/25/10 20 FH 1.00 20Y OT DUMP&RETURN CLNFIL
02 8/25/10 TO COLONIE * NEED MANIFEST

COLONIE

THIS ORDER IS PER ERNIE PALMER
ANY QUESTIONS/ISSUES PLEASE
Printed by: TFARR01 on: 8/24/10 at: 16:17

Town of Colonie Envir. Service
1319 Loudon Road
Cohoes, New York 12047

000890 Corbett Management Services
4880 Duguid Rd.
Manlius NY 13104

SHIFT	TICKET	SCALE	WEIGHTMASTER
02	421283	L6P1	James P. Howlan

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
08/26/10	08/26/10	10:22	10:37	553	

REFERENCE	ORIGIN
VANVRANKEN	CSCH CITY OF SCHENECTADY

Scale 1 Gross Wt.	82220	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	32740	LB	
Net Weight	49480	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.74	TON	Petro Cont. Soil				

~~Operating hours 7AM to 3PM Monday thru Friday~~
and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp)
Ship To #421

AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

County Waste

P.O. Box 431
Clifton Park, New York 12065
(518)-877-7007 / Fax (518) 877-7337

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421

UNION CLEANERS
1517-1523 VAN VRANKEN AVE
SCHENECTADY NY 12308

(518) 000-0000

L OFF Action Time: Created: 8/25/10 14:57 By TFARR01

01 8/26/10 20 FF 1.00 20Y OT DUMP&REMOVE CLNFIL
02 8/26/10 TO COLONIE * AS CLOSE TO 10AM AS
03 8/26/10 POSS. * TIME SENSE. ARRIVAL 10 am

COLONIE

THIS ORDER IS PER ERNIE PALMER
ANY QUESTIONS/ISSUES PLEASE
Printed by: TFARR01 on: 8/25/10 at: 16:34

APPENDIX D

Imported Materials Analytical Data

Dambrose Union Cleaners

Schenectaday, NY

Organic Content Results-ASTM D2974

Lab No.	430					
Sample No.	1					
Sample Depth	N/A					
Tare Weight	74.49					
W_S + Tare	210.28					
W_a + Tare	205.37					
Wa/Ws*100=A%	96.38					
100-A%=Org.%	3.62					

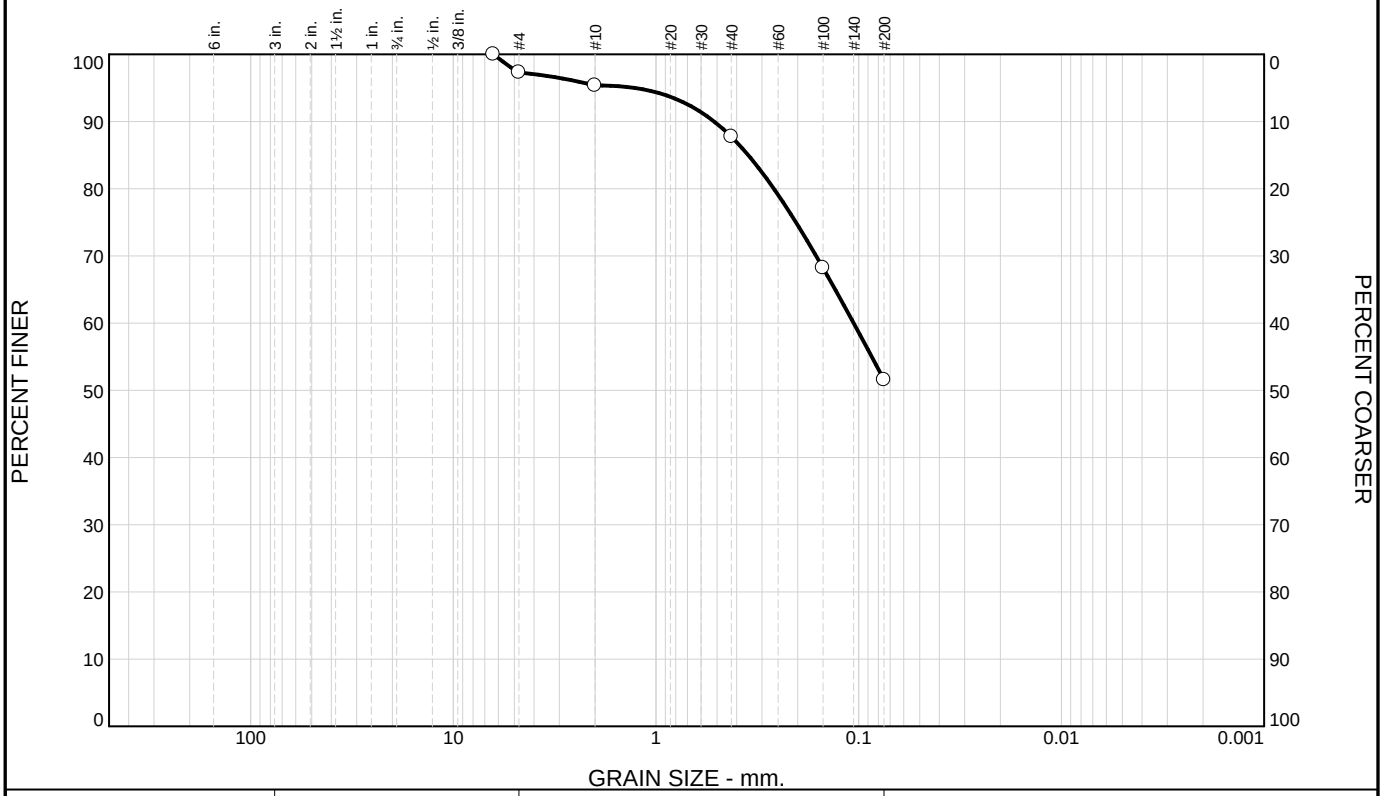
Boring No.						
Sample No.						
Sample Depth						
Tare Weight						
W_S + Tare						
W_a + Tare						
Wa/Ws*100=A%						
100-A%=Org.%						

Lab No.	430					
Sample No.	1					
pH	7.72					

EVERGREEN TESTING
594 Broadway
Watervliet, NY 12189
Ph. 518-266-0310
Fax 518-266-9238

Client: Precision Environmental
File No. ETE-10-95
Date: July 21, 2010

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	2.7	1.9	7.7	36.1	51.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.25	100.0		
#4	97.3		
#10	95.4		
#40	87.7		
#100	68.2		
#200	51.6		

* (no specification provided)

Material Description

Topsoil
SILT and coarse to fine SAND

Atterberg Limits

PL= NP LL= NP PI= NP

Coefficients

D_{90}= 0.5172 D_{85}= 0.3508 D_{60}= 0.1060
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= ML AASHTO= A-4(0)

Remarks

Per ASTM D422 Washed

Source of Sample: Client
Sample Number: 430

Date: 7-21-10

EVERGREEN TESTING, INC.
Watervliet, NY

Client: Precision Environmental
Project: Dambrose Union Cleaners
Project No: ETE-10-95 **Figure** 430

Tested By: JC **Checked By:** GB

CLIENT: NYS DEC
Work Order: 100720042
Reference: Dambrose Cleaners-VanVranken Ave / Schenecta
PO#:
Site # / Callout # 447030 / 119254

Client Sample ID: Topsoil
Collection Date: 7/20/2010
Lab Sample ID: 100720042-001
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES SW8081A (Prep: SW3545 - 7/20/2010)						Analyst: KF
4,4'-DDD	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:24:34 PM
4,4'-DDE	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:24:34 PM
4,4'-DDT	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Aldrin	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:24:34 PM
alpha-BHC	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:24:34 PM
alpha-Chlordane	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:24:34 PM
beta-BHC	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Chlordane	< 190	190		µg/Kg-dry	1	7/22/2010 6:24:34 PM
delta-BHC	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Dieldrin	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Endosulfan I	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Endosulfan II	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Endosulfan sulfate	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Endrin	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Endrin aldehyde	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Endrin ketone	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:24:34 PM
gamma-BHC	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:24:34 PM
gamma-Chlordane	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Heptachlor	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Heptachlor epoxide	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Methoxychlor	< 19	19		µg/Kg-dry	1	7/22/2010 6:24:34 PM
Toxaphene	< 190	190		µg/Kg-dry	1	7/22/2010 6:24:34 PM
POLYCHLORINATED BIPHENYLS SW8082 (Prep: SW3545 - 7/20/2010)						Analyst: KF
Aroclor 1016	< 36	36		µg/Kg-dry	1	7/21/2010 3:34:59 PM
Aroclor 1221	< 36	36		µg/Kg-dry	1	7/21/2010 3:34:59 PM
Aroclor 1232	< 36	36		µg/Kg-dry	1	7/21/2010 3:34:59 PM
Aroclor 1242	< 36	36		µg/Kg-dry	1	7/21/2010 3:34:59 PM
Aroclor 1248	< 36	36		µg/Kg-dry	1	7/21/2010 3:34:59 PM
Aroclor 1254	< 36	36		µg/Kg-dry	1	7/21/2010 3:34:59 PM
Aroclor 1260	< 36	36		µg/Kg-dry	1	7/21/2010 3:34:59 PM
Aroclor 1262	< 36	36		µg/Kg-dry	1	7/21/2010 3:34:59 PM
Aroclor 1268	< 36	36		µg/Kg-dry	1	7/21/2010 3:34:59 PM
ICP METALS SW6010B (Prep: SW3050B - 7/21/2010)						Analyst: WB
Arsenic	< 0.274	0.274		µg/g-dry	1	7/30/2010 2:44:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

CLIENT: NYS DEC
Work Order: 100720042
Reference: Dambrose Cleaners-VanVranken Ave / Schenecta
PO#:
Site # / Callout # 447030 / 119254

Client Sample ID: Topsoil
Collection Date: 7/20/2010
Lab Sample ID: 100720042-001
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS SW6010B (Prep: SW3050B - 7/21/2010)						Analyst: WB
Barium	31.6	0.547		µg/g-dry	1	7/30/2010 2:44:00 PM
Cadmium	< 0.274	0.274		µg/g-dry	1	7/30/2010 2:44:00 PM
Chromium	7.16	0.274		µg/g-dry	1	7/30/2010 2:44:00 PM
Lead	14.8	0.274		µg/g-dry	1	7/30/2010 2:44:00 PM
Selenium	< 0.274	0.274		µg/g-dry	1	7/30/2010 2:44:00 PM
Silver	< 1.09	1.09		µg/g-dry	1	7/30/2010 2:44:00 PM
MERCURY SW7471A (Prep: SW7471A - 7/21/2010)						Analyst: SM
Mercury	0.027	0.022		µg/g-dry	1	7/21/2010
SEMI VOLATILE ORGANICS SW8270C (Prep: SW3545 - 7/22/2010)						Analyst: MT
Phenol	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Bis(2-chloroethyl)ether	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
2-Chlorophenol	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
1,3-Dichlorobenzene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
1,4-Dichlorobenzene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
1,2-Dichlorobenzene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
2-Methylphenol	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Bis(2-chloroisopropyl)ether	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
4-Methylphenol	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
N-Nitrosodi-n-propylamine	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Hexachloroethane	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Nitrobenzene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Isophorone	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
2-Nitrophenol	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
2,4-Dimethylphenol	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Bis(2-chloroethoxy)methane	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
2,4-Dichlorophenol	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
1,2,4-Trichlorobenzene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Naphthalene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
4-Chloroaniline	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Hexachlorobutadiene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
4-Chloro-3-methylphenol	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
2-Methylnaphthalene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Hexachlorocyclopentadiene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
2,4,6-Trichlorophenol	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

CLIENT: NYS DEC
Work Order: 100720042
Reference: Dambrose Cleaners-VanVranken Ave / Schenecta
PO#:
Site # / Callout # 447030 / 119254

Client Sample ID: Topsoil
Collection Date: 7/20/2010
Lab Sample ID: 100720042-001
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMI VOLATILE ORGANICS SW8270C (Prep: SW3545 - 7/22/2010)						Analyst: MT
2,4,5-Trichlorophenol	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
2-Chloronaphthalene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
2-Nitroaniline	< 1800	1800		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Dimethyl phthalate	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Acenaphthylene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
2,6-Dinitrotoluene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
3-Nitroaniline	< 1800	1800		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Acenaphthene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
2,4-Dinitrophenol	< 1800	1800		µg/Kg-dry	1	7/26/2010 4:36:00 PM
4-Nitrophenol	< 1800	1800		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Dibenzofuran	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
2,4-Dinitrotoluene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Diethyl phthalate	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
4-Chlorophenyl phenyl ether	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Fluorene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
4-Nitroaniline	< 1800	1800		µg/Kg-dry	1	7/26/2010 4:36:00 PM
4,6-Dinitro-2-methylphenol	< 1800	1800		µg/Kg-dry	1	7/26/2010 4:36:00 PM
N-Nitrosodiphenylamine	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
4-Bromophenyl phenyl ether	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Hexachlorobenzene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Pentachlorophenol	< 1800	1800		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Phenanthrene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Anthracene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Carbazole	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Di-n-butyl phthalate	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Fluoranthene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Pyrene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Butyl benzyl phthalate	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
3,3'-Dichlorobenzidine	< 720	720		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Benz(a)anthracene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Chrysene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Bis(2-ethylhexyl)phthalate	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Di-n-octyl phthalate	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Benzo(b)fluoranthene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Benzo(k)fluoranthene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Benzo(a)pyrene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Indeno(1,2,3-cd)pyrene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
Dibenz(a,h)anthracene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
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X - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

CLIENT: NYS DEC
Work Order: 100720042
Reference: Dambrose Cleaners-VanVranken Ave / Schenecta
PO#:
Site # / Callout # 447030 / 119254

Client Sample ID: Topsoil
Collection Date: 7/20/2010
Lab Sample ID: 100720042-001
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMI VOLATILE ORGANICS SW8270C (Prep: SW3545 - 7/22/2010)						Analyst: MT
Benzo(g,h,i)perylene	< 360	360		µg/Kg-dry	1	7/26/2010 4:36:00 PM
VOLATILE ORGANICS SW8260B						Analyst: ML
Chloromethane	< 11	11		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Bromomethane	< 11	11		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Vinyl chloride	< 11	11		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Chloroethane	< 11	11		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Methylene chloride	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Acetone	< 11	11		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Carbon disulfide	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,1-Dichloroethene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Chloroform	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
2-Butanone	< 11	11		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Bromodichloromethane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Trichloroethene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Dibromochloromethane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Benzene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Bromoform	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
4-Methyl-2-pentanone	< 11	11		µg/Kg-dry	1	7/22/2010 3:57:00 PM
2-Hexanone	< 11	11		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Tetrachloroethene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Toluene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Chlorobenzene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Ethylbenzene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Styrene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
m,p-Xylene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM

Qualifiers:

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T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

CLIENT: NYS DEC
Work Order: 100720042
Reference: Dambrose Cleaners-VanVranken Ave / Schenecta
PO#:
Site # / Callout # 447030 / 119254

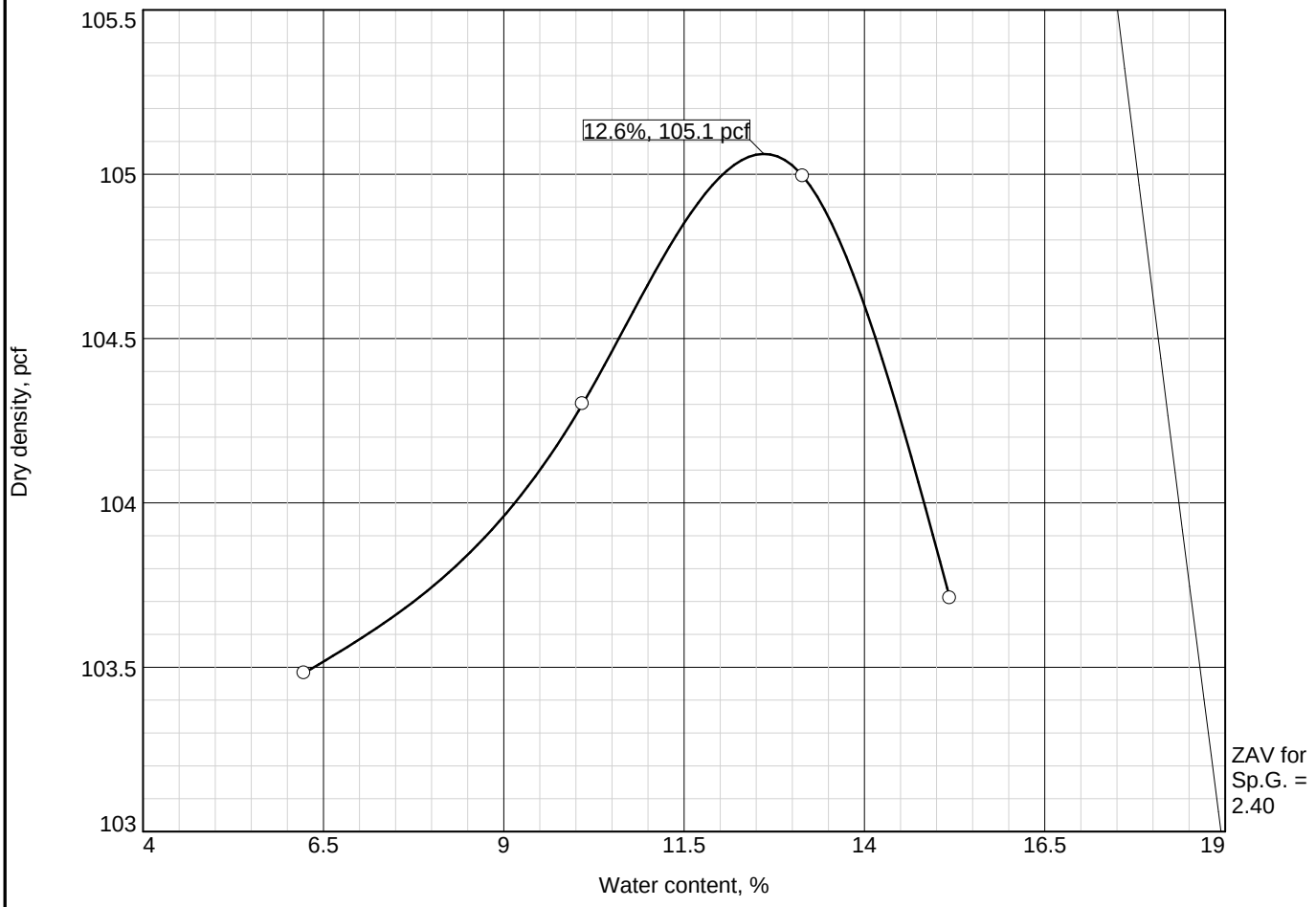
Client Sample ID: Topsoil
Collection Date: 7/20/2010
Lab Sample ID: 100720042-001
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: ML
o-Xylene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Dichlorodifluoromethane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Methyl Acetate	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Cyclohexane	< 11	11		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,3-Dichlorobenzene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
Isopropylbenzene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,4-Dichlorobenzene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,2-Dichlorobenzene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	7/22/2010 3:57:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

COMPACTION TEST REPORT



Test specification: ASTM D 1557-02 Method A Modified

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
	SM	A-2-4(0)		2.4	NP	NP	0.9	17.4

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 105.1 pcf Optimum moisture = 12.6 %	medium to fine SAND, little Silt "Bedding Sand"

Project No. ETE-10-95 **Client:** Precision Environmental

Project: Dambrose Union Cleaners

○ **Source of Sample:** Client **Sample Number:** 429

EVERGREEN TESTING, INC.

Watervliet, NY

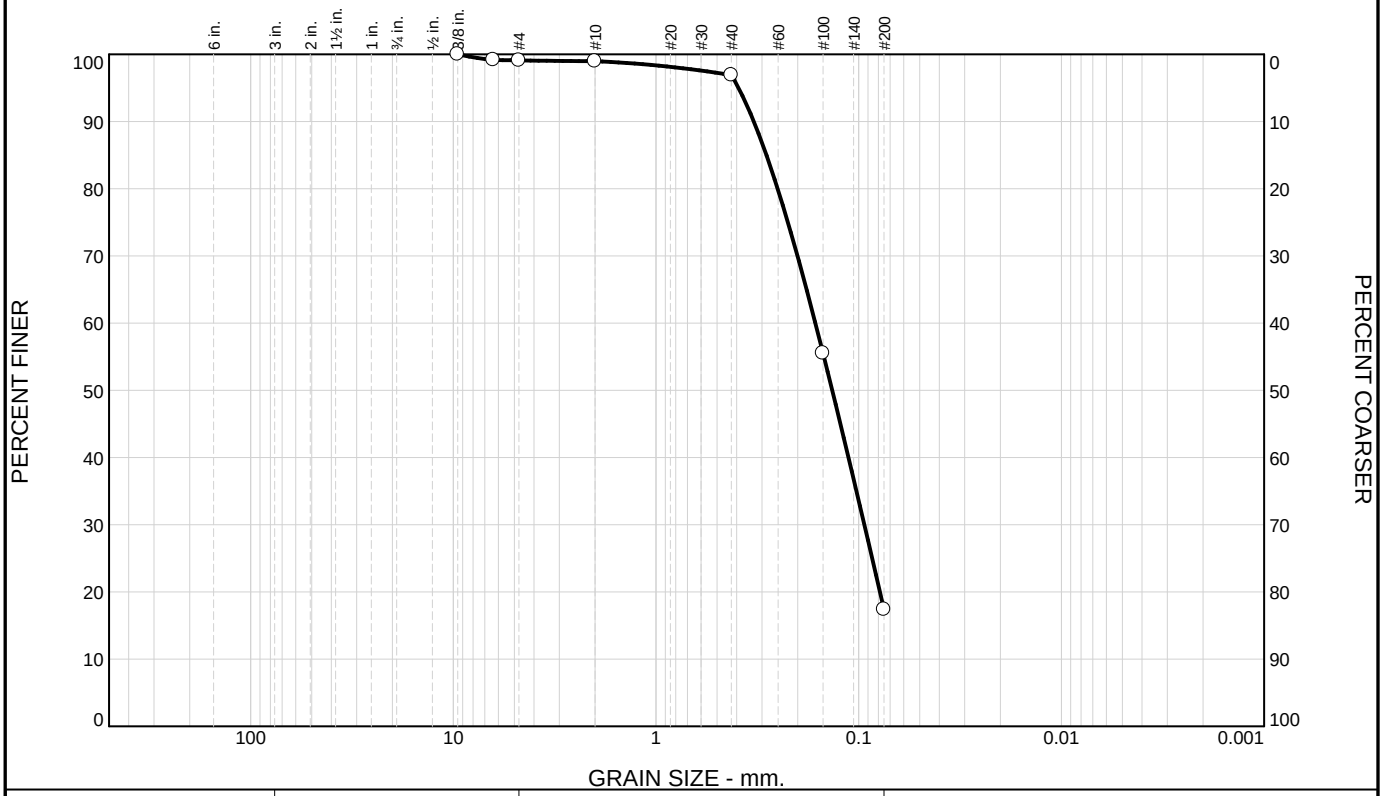
Remarks:

Per ASTM D1557-02

Figure 429

Tested By: JC **Checked By:** GB

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.9	0.1	2.1	79.5	17.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
.25	99.2		
#4	99.1		
#10	99.0		
#40	96.9		
#100	55.5		
#200	17.4		

* (no specification provided)

Material Description

medium to fine SAND, little Silt
"Bedding Sand"

Atterberg Limits

PL= NP LL= NP PI= NP

Coefficients

D_{90}= 0.3293 D_{85}= 0.2853 D_{60}= 0.1637
D_{50}= 0.1351 D_{30}= 0.0939 D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= SM AASHTO= A-2-4(0)

Remarks

Per ASTM D422 Washed

Source of Sample: Client
Sample Number: 429

Date: 7-21-10

EVERGREEN TESTING, INC.
Watervliet, NY

Client: Precision Environmental
Project: Dambrose Union Cleaners

Project No: ETE-10-95 **Figure** 429

Tested By: JC **Checked By:** GB

CLIENT: NYS DEC
Work Order: 100720042
Reference: Dambrose Cleaners-VanVranken Ave / Schenecta
PO#:
Site # / Callout # 447030 / 119254

Client Sample ID: Bedding Sand
Collection Date: 7/20/2010
Lab Sample ID: 100720042-002
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES SW8081A (Prep: SW3545 - 7/20/2010)						Analyst: KF
4,4´-DDD	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:47:30 PM
4,4´-DDE	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:47:30 PM
4,4´-DDT	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Aldrin	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:47:30 PM
alpha-BHC	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:47:30 PM
alpha-Chlordane	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:47:30 PM
beta-BHC	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Chlordane	< 190	190		µg/Kg-dry	1	7/22/2010 6:47:30 PM
delta-BHC	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Dieldrin	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Endosulfan I	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Endosulfan II	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Endosulfan sulfate	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Endrin	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Endrin aldehyde	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Endrin ketone	< 3.6	3.6		µg/Kg-dry	1	7/22/2010 6:47:30 PM
gamma-BHC	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:47:30 PM
gamma-Chlordane	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Heptachlor	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Heptachlor epoxide	< 1.9	1.9		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Methoxychlor	< 19	19		µg/Kg-dry	1	7/22/2010 6:47:30 PM
Toxaphene	< 190	190		µg/Kg-dry	1	7/22/2010 6:47:30 PM
POLYCHLORINATED BIPHENYLS SW8082 (Prep: SW3545 - 7/20/2010)						Analyst: KF
Aroclor 1016	< 36	36		µg/Kg-dry	1	7/21/2010 3:51:01 PM
Aroclor 1221	< 36	36		µg/Kg-dry	1	7/21/2010 3:51:01 PM
Aroclor 1232	< 36	36		µg/Kg-dry	1	7/21/2010 3:51:01 PM
Aroclor 1242	< 36	36		µg/Kg-dry	1	7/21/2010 3:51:01 PM
Aroclor 1248	< 36	36		µg/Kg-dry	1	7/21/2010 3:51:01 PM
Aroclor 1254	< 36	36		µg/Kg-dry	1	7/21/2010 3:51:01 PM
Aroclor 1260	< 36	36		µg/Kg-dry	1	7/21/2010 3:51:01 PM
Aroclor 1262	< 36	36		µg/Kg-dry	1	7/21/2010 3:51:01 PM
Aroclor 1268	< 36	36		µg/Kg-dry	1	7/21/2010 3:51:01 PM
ICP METALS SW6010B (Prep: SW3050B - 7/21/2010)						Analyst: WB
Arsenic	< 0.273	0.273		µg/g-dry	1	7/30/2010 2:49:00 PM

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R - RPD outside accepted recovery limits
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E - Value above quantitation range

CLIENT: NYS DEC
Work Order: 100720042
Reference: Dambrose Cleaners-VanVranken Ave / Schenecta
PO#:
Site # / Callout # 447030 / 119254

Client Sample ID: Bedding Sand
Collection Date: 7/20/2010
Lab Sample ID: 100720042-002
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS SW6010B (Prep: SW3050B - 7/21/2010)						Analyst: WB
Barium	12.6	0.545		µg/g-dry	1	7/30/2010 2:49:00 PM
Cadmium	< 0.273	0.273		µg/g-dry	1	7/30/2010 2:49:00 PM
Chromium	4.64	0.273		µg/g-dry	1	7/30/2010 2:49:00 PM
Lead	1.49	0.273		µg/g-dry	1	7/30/2010 2:49:00 PM
Selenium	< 0.273	0.273		µg/g-dry	1	7/30/2010 2:49:00 PM
Silver	< 1.09	1.09		µg/g-dry	1	7/30/2010 2:49:00 PM
MERCURY SW7471A (Prep: SW7471A - 7/21/2010)						Analyst: SM
Mercury	< 0.022	0.022		µg/g-dry	1	7/21/2010
SEMI VOLATILE ORGANICS SW8270C (Prep: SW3545 - 7/22/2010)						Analyst: MT
Phenol	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Bis(2-chloroethyl)ether	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
2-Chlorophenol	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
1,3-Dichlorobenzene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
1,4-Dichlorobenzene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
1,2-Dichlorobenzene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
2-Methylphenol	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Bis(2-chloroisopropyl)ether	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
4-Methylphenol	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
N-Nitrosodi-n-propylamine	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Hexachloroethane	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Nitrobenzene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Isophorone	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
2-Nitrophenol	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
2,4-Dimethylphenol	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Bis(2-chloroethoxy)methane	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
2,4-Dichlorophenol	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
1,2,4-Trichlorobenzene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Naphthalene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
4-Chloroaniline	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Hexachlorobutadiene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
4-Chloro-3-methylphenol	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
2-Methylnaphthalene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Hexachlorocyclopentadiene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
2,4,6-Trichlorophenol	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM

Qualifiers:

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CLIENT: NYS DEC
Work Order: 100720042
Reference: Dambrose Cleaners-VanVranken Ave / Schenecta
PO#:
Site # / Callout # 447030 / 119254

Client Sample ID: Bedding Sand
Collection Date: 7/20/2010
Lab Sample ID: 100720042-002
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMI VOLATILE ORGANICS SW8270C (Prep: SW3545 - 7/22/2010)						Analyst: MT
2,4,5-Trichlorophenol	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
2-Chloronaphthalene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
2-Nitroaniline	< 1800	1800		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Dimethyl phthalate	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Acenaphthylene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
2,6-Dinitrotoluene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
3-Nitroaniline	< 1800	1800		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Acenaphthene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
2,4-Dinitrophenol	< 1800	1800		µg/Kg-dry	1	7/26/2010 5:07:00 PM
4-Nitrophenol	< 1800	1800		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Dibenzofuran	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
2,4-Dinitrotoluene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Diethyl phthalate	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
4-Chlorophenyl phenyl ether	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Fluorene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
4-Nitroaniline	< 1800	1800		µg/Kg-dry	1	7/26/2010 5:07:00 PM
4,6-Dinitro-2-methylphenol	< 1800	1800		µg/Kg-dry	1	7/26/2010 5:07.00 PM
N-Nitrosodiphenylamine	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
4-Bromophenyl phenyl ether	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Hexachlorobenzene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Pentachlorophenol	< 1800	1800		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Phenanthrene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Anthracene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Carbazole	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Di-n-butyl phthalate	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Fluoranthene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Pyrene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Butyl benzyl phthalate	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
3,3´-Dichlorobenzidine	< 710	710		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Benz(a)anthracene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07.00 PM
Chrysene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Bis(2-ethylhexyl)phthalate	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Di-n-octyl phthalate	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Benzo(b)fluoranthene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Benzo(k)fluoranthene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Benzo(a)pyrene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Indeno(1,2,3-cd)pyrene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
Dibenz(a,h)anthracene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

CLIENT: NYS DEC
Work Order: 100720042
Reference: Dambrose Cleaners-VanVranken Ave / Schenecta
PO#:
Site # / Callout # 447030 / 119254

Client Sample ID: Bedding Sand
Collection Date: 7/20/2010
Lab Sample ID: 100720042-002
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMI VOLATILE ORGANICS SW8270C (Prep: SW3545 - 7/22/2010)						Analyst: MT
Benzo(g,h,i)perylene	< 360	360		µg/Kg-dry	1	7/26/2010 5:07:00 PM
VOLATILE ORGANICS SW8260B						Analyst: ML
Chloromethane	< 11	11		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Bromomethane	< 11	11		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Vinyl chloride	< 11	11		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Chloroethane	< 11	11		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Methylene chloride	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Acetone	< 11	11		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Carbon disulfide	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,1-Dichloroethene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Chloroform	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
2-Butanone	< 11	11		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Bromodichloromethane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Trichloroethene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Dibromochloromethane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Benzene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Bromoform	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
4-Methyl-2-pentanone	< 11	11		µg/Kg-dry	1	7/22/2010 4:25:00 PM
2-Hexanone	< 11	11		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Tetrachloroethene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Toluene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Chlorobenzene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Ethylbenzene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Styrene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
m,p-Xylene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM

Qualifiers:

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X - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *03-Aug-10*

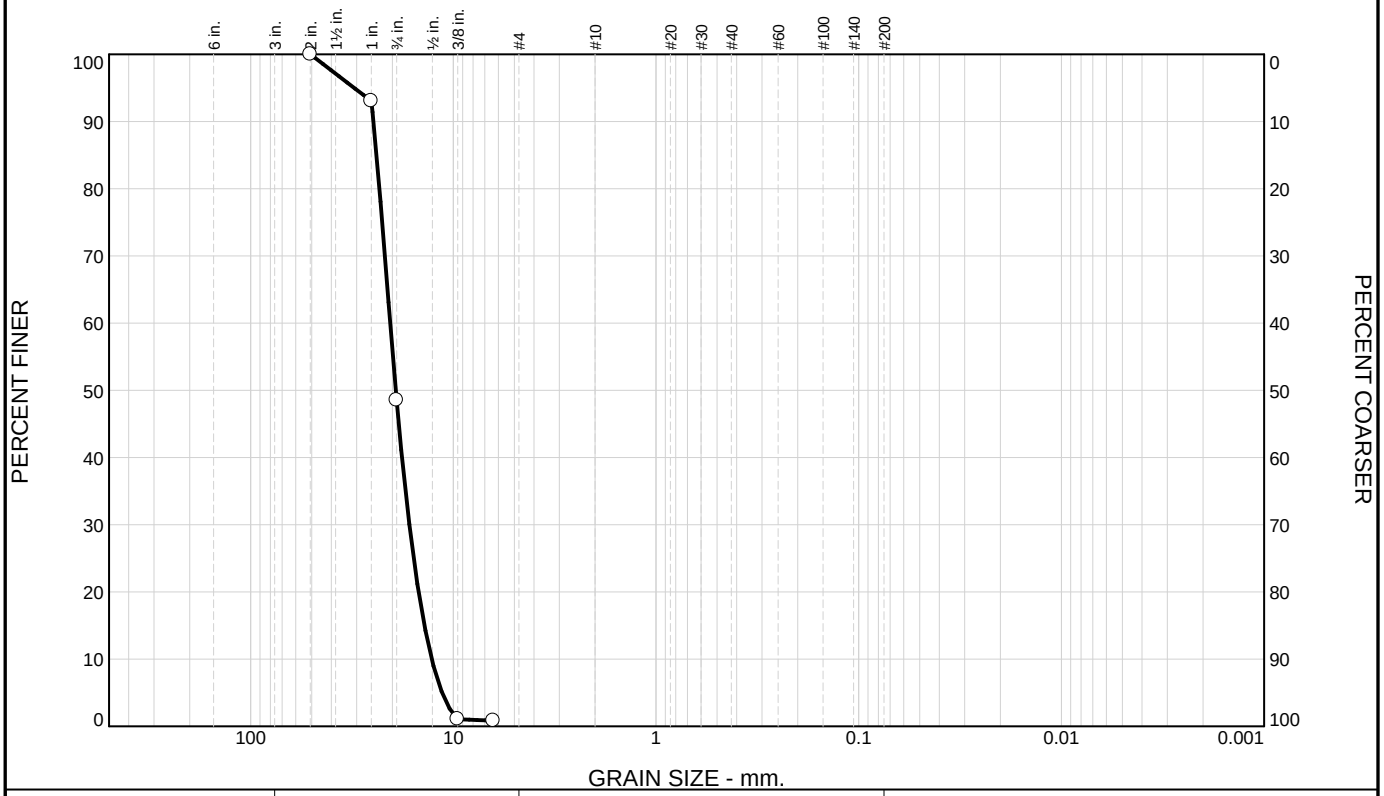
CLIENT:	NYS DEC	Client Sample ID:	Bedding Sand
Work Order:	100720042	Collection Date:	7/20/2010
Reference:	Dambrose Cleaners-VanVranken Ave / Schenecta	Lab Sample ID:	100720042-002
PO#:		Matrix:	SOIL
	Site # / Callout # 447030 / 119254		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **ML**
o-Xylene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Dichlorodifluoromethane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Methyl Acetate	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Cyclohexane	< 11	11		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,3-Dichlorobenzene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
Isopropylbenzene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,4-Dichlorobenzene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,2-Dichlorobenzene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	7/22/2010 4:25:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	51.5			48.5			

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2	100.0		
1	93.0		
.75	48.5		
.375	1.1		
.25	0.8		

* (no specification provided)

Material Description

Clean Crushed Stone

Atterberg Limits

PL= NP LL= NP PI= NP

Coefficients

D_{90}= 24.8047 D_{85}= 23.9363 D_{60}= 20.4890
D_{50}= 19.2379 D_{30}= 16.4856 D_{15}= 13.8934
D_{10}= 12.7888 C_u= 1.60 C_c= 1.04

Classification

USCS= AASHTO=

Remarks

Per ASTM D422 Washed

Source of Sample: Client
Sample Number: 428

Date: 7-21-10

EVERGREEN TESTING, INC.
Watervliet, NY

Client: Precision Environmental
Project: Dambrose Union Cleaners

Project No: ETE-10-95 **Figure** 428

Tested By: MA **Checked By:** GB

APPENDIX E

Field In-place Density Test Report for Backfill

evergreen

TESTING & ENVIRONMENTAL SERVICES, INC.

☐ 594 Broadway Watervliet, NY 12189 Phone: 518-266-0310 Fax: 518-266-9238
☐ PO Box 482 Orchard Park, NY 14127 Phone: 716-649-9474 Fax: 716-648-3521

FIELD IN-PLACE DENSITY TEST REPORT

PROJECT: Dambrose Cleaners	**REPORT NO:** E-10-95-8-20-10
CLIENT: Precision	**DATE:** 8-20-10
CONTRACTOR:	**JOB NO:** ETE-10-95

Test No.	Depth of Probe (inches)	Test Depth/ Elevation	In–Place Density (pcf)	InPlace Moisture (%)	% Compaction	% Req'd	Proctor Code	Location and Remarks SVE Trench Backfill
1	6	-1.5'FG	106.5	9.5	100+	95	429	5' end of W trench line
2	6	-2.5'FG	105.9	9.6	100+	95	429	Central portion of W trench line
3	6	-2.0'FG	104.7	9.4	99.6	95	429	Central portion of W trench line
4	6	-1.5'FG	104.4	9.1	99.3	95	429	Central portion of W trench line

Proctor Code	Maximum Density (pcf)	Optimum Moisture (%)	Material Type and Source
429	105.1	12.6	M-F SAND, little silt

Remarks: Results reported to crew on site	SB = Subbase SG = Subgrade G = Grade B G=Bearing Grade FB = Footing Bottom	SSG = Slab Subgrade TO F= Top of Footing TOW = Top of Wall FF = Finished Floor
Technician: JS		
Troxler S.N.: 22587		

APPENDIX F

Concrete Field Observation Report

evergreen

TESTING & ENVIRONMENTAL SERVICES, INC . 594 Broadway Watervliet, NY 12189 Phone: 518-266-0310 Fax: 518-266-9238

CONCRETE FIELD OBSERVATION REPORT

PROJECT: Dambrose Cleaners	**CLIENT:** Precision Environmental	**REPORT NO:** E-10-95-9-3-10
CONTRACTOR: AJS/Precision	**CONCRETE SUPPLIER:** Bonded	**DATE:** 9-3-10
LOCATION: Slab on grade		**JOB NO:** ETE-10-95

Load No.	Ticket No.	Truck No.	Cubic Yards	TIME			WATER (GALLONS)				Slump (in.)	Air Temp	% Air	Conc. Temp.	Mix No.	Set No. Remarks
				Batched	Start	Empty	Agg.	Added: Plant + Field	Total	Design Total						
2	1230104	452	8.5	0657	0740	0815									Class A	
3	1230107	401	8.0	0726	0815	0835		10			4.0	78	7.5	68	Class A	Set 1of 6 cyls
4	1230108	624	8.0	0756	0835	0906		10			4.25	80	8.0	70	Class A	

COMPRESSIVE STRENGTH DATA

SET NO.	LABORATORY NO.	DATE RECEIVED	DATE TESTED	UNIT WT. OF CYL. AS RECEIVED	AGE (Days)	COMPRESSIVE STRENGTH (psi)
1	7093	9-7-10	9-10-10	143.1	7	2620
	7094		9-10-10	143.9	7	2640
	7095		10-1-10	143.4	28	3340
	7096		10-1-10	143.1	28	3250
	7097		10-29-10	143.4	56	3910
	7098		10-29-10	143.4	56	3960

Tested By: EM

Field Results Reported to: Paul

Transported By:

Remarks:

Weather: Sunny

Specification at 28 Days: Class A **Average 28 Day Strength: 3300** **Average 56 Day Strength: 3940**

APPENDIX G

Replacement Well Drilling Logs

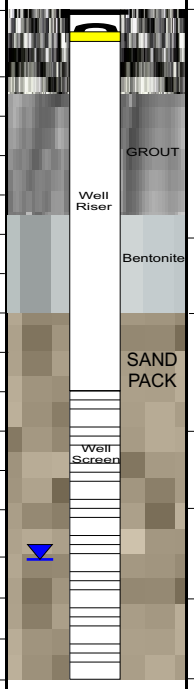
PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

DRILLING LOG

Well/ Boring No.: MW-1R

Project: Dambrose Dry Cleaners
Client: NYS DEC
Project No: 10-001-D4
Location: 1517-1519 Van Vranken Ave, Schdy, NY
Driller: Rich Comfort
Logged by: Brian Baulsir
Drilling Contractor: Aquifer Drilling
Drilling Method: Hollow Stem Auger
Date Drilled: 11/22/2010
Date Developed: 11/24/2010
TOC Elevation: 200.07
Total Depth of Hole: 16'
Boring Diameter: 6.25"
Screen Diameter: 2"
Length: 7'
Slot Size: 0.01
Riser Diameter: 2"
Length: 9'
Type: PVC
Sand Pack: 7' - 16'
Bentonite Seal: 4.5' - 7'
Protective Casing: Flush Roadbox

See Site Map

Depth (ft.)	Well Construction	Recovery & Blow Counts	Sample Type / No.	Max PID (ppm)	Description / Soil Classification
0					
1					
2					
3					
4					
5					
6		50% 2/3/4/5	SS-1	ND	Brown to dark brown silt with some gravel, fine to coarse sand, and clay.
7					
8					
9					
10					
11		50% 2/3/3/3	SS-2	ND	Dark gray silt with fine to coarse sand and trace clay.
12					
13		50% 2/3/3/3	SS-3	ND	Dark gray silt with fine to coarse sand and trace clay. Wet at 13'.
14					
15		50% 1/3/4/4	SS-4	ND	Dark gray silt with fine to coarse sand and trace clay.
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					

ND = Not Detected by PID Analysis

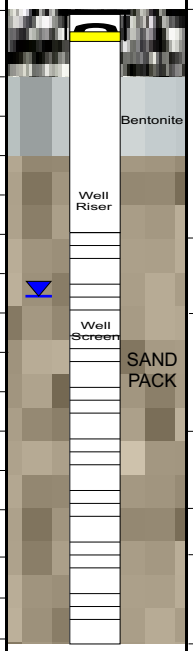
PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

DRILLING LOG

Well/ Boring No.: MW-2R

Project: Dambrose Dry Cleaners
Client: NYS DEC
Project No: 10-001-D4
Location: 1517-1519 Van Vranken Ave, Schdy, NY
Driller: Rich Comfort
Logged by: Brian Baulsir
Drilling Contractor: Aquifer Drilling
Drilling Method: Hollow Stem Auger
Date Drilled: 11/22/2010
Date Developed: 11/24/2010
TOC Elevation: 199.56
Total Depth of Hole: 15'
Boring Diameter: 6.25"
Screen Diameter: 2"
Length: 10'
Slot Size: 0.01
Riser Diameter: 2"
Length: 5'
Type: PVC
Sand Pack: 3' - 15'
Bentonite Seal: 1' - 3'
Protective Casing: Flush Roadbox

See Site Map

Depth (ft.)	Well Construction	Recovery & Blow Counts	Sample Type / No.	Max PID (ppm)	Description / Soil Classification
0					
1					
2					
3					
4					
5					
6		60% 2/3/2/2	SS-1	ND	Brown to dark brown fine to coarse sand and silt with trace gravel.
7					
8					
9					
10					
11		50% 2/1/1/2	SS-2	ND	Brown to dark brown fine to coarse sand with urban fill (concrete, glass, ash, etc.). Wet at 11.5'.
12					
13					
14		33% 2/4/12/12	SS-3	ND	Brown and gray silt with some fine to coarse sand and rock fragments.
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					

ND = Not Detected by PID Analysis