136 Fuller Road Site

CITY OF ALBANY,
ALBANY COUNTY, NEW YORK

Final Engineering Report

NYSDEC Site Number: C401055

Prepared for:

Fuller Partners, LLC

P.O. Box 370

133 Route 395

East Chatham, NY 12060

Prepared by:

The Chazen Companies

547 River Street

Troy, NY 12180

(518) 273-0055

MARCH 27, 2013

CERTIFICATIONS

I, Daniel W. Stone, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Interim Remedial Measures (IRMs) were implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Investigation Work Plan and Interim Remedial Measures Work Plans.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Interim Remedial Measures Work Plans and in all 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 ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been 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 the proper maintenance of all remaining monitoring wells, and that such plan has been approved by Department.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted 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 W. Stone, of The Chazen Companies, 547 River Street, Troy, New York, am certifying as the Owner's Designated Site Representative for the site.

052135 — NYS Professional Engineer #

3/8/13 — Date

Signature

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

Final Engineering Report

1.0 BACKGROUND AND SITE DESCRIPTION

Fuller Partners, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in April 2009 to investigate and remediate a 15.56-acre property located in the City of Albany, Albany County, New York. The property was remediated to commercial use soil cleanup objectives and will continue to be commercial or industrial for the foreseeable future.

The site is located in Albany County, New York and is identified as Section 23 Block 1 and Lot 47 on the City of Albany Tax Map. The site is a 15.56-acre area bounded by Consolidated Rail Corporation Railroad tracks to the north, Interstate 90 highway exit ramp (Exit #2) to the south and east, and Fuller Road to the west (see **Figure 1**). The boundaries of the site are fully described in **Appendix A**: ALTA/ACSM Land Title Survey.

An electronic copy of this FER with all supporting documentation, including electronic data deliverables, is included as **Appendix B**.

2.0 SUMMARY OF SITE REMEDY

2.1 Areas of Concern

For the purposes of remedial action planning, the remedial response was divided into two areas of concern known as the "Source Area" and the "Groundwater Plume Area" (**Figure 2**).

The source area soils contain pre-IRM VOC concentrations greater than Commercial Use SCOs in the top 15 feet of soil. Concentrations are greater in the area above a shallow clay formation in the source area where groundwater was noted to be mounded. Evidence of free phase chlorinated solvents (DNAPL) and diesel range organic petroleum (LNAPL) have also been detected in soil in this source area. The source area is situated in an historic tank farm location along the northern side of the site building. The source area is being mitigated with a total fluids vacuum extraction system.

Groundwater has been impacted by contamination in source area soils. Groundwater in the source area contains elevated VOC concentrations ranging up to approximately 45,000 ppb of total VOCs; groundwater in the downgradient plume area is generally less than 100 ppb of total VOCs. VOC concentrations are greatest in the source area above a shallow clay formation where groundwater was noted to be mounded. PCE is the primarily VOC reported.

2.2 REMEDIAL ACTION OBJECTIVES

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this site.

Groundwater RAOs

RAOs for Public Health Protection

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

RAOs for Environmental Protection

- Restore groundwater aquifer, to the extent practicable, in an attempt to reduce VOC concentrations to pre-disposal/pre-release conditions.
- Remove the source of groundwater contamination to the extent practicable.

Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would results in groundwater or surface water contamination.

2.3 DESCRIPTION OF SELECTED REMEDY

The selected remedy for this site is to continue operation of two approved interim remedial measures (IRMs). The site IRMS were installed and continue to be operated in substantial conformance with the Department-approved Remedial Investigation Work Plan and Interim Remedial Measures Work Plans. The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy:

1. Construction and operation/maintenance of a High Vacuum Extraction/Soil Vapor Extraction system (HVE/SVE) in the source area. Nine on-site HVE/SVE extraction wells installed in the source area are connected to a vacuum system used to extract impacted groundwater, Non-Aqueous Phase Liquids NAPL (via the HVE) and soil vapor (via the SVE and HVE) from the aquifer and impacted shallow soil.

2. Construction and operation/maintenance of a sub-slab depressurization system (SSDS) in the site building located over the area of groundwater impacts.

3. Maintenance of a soil cover system consisting of building slab, asphalt pavement, sidewalks and landscaping to prevent human exposure to remaining contaminated soil at the site;

4. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site;

5. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;

6. Periodic certification of the institutional and engineering controls listed above.

3.0 INTERIM REMEDIAL MEASURES

3.1 INTERIM REMEDIAL MEASURES

This section describes the Interim Remedial Measures (IRMs) which have been implemented at the site.

3.1.1 Sub-Slab Depressurization System

The SSDS consists of three zones with two screened vapor extraction wells (VEWs) in each zone. Each VEW was constructed below the building floor slab with 20-slot (0.020 inch), Schedule 40, PVC pipe that is approximately 12-inches deep and 4-inches in diameter. Each zone is connected to one 1.5-horsepower regenerative blower with 2-inch PVC pipe and manifold sections. Each blower provides sufficient vacuum extraction capacity to produce a minimum vacuum pressure of 35± inches of Water Column at each VEW with an estimated flow of 10 cubic feet per minute or greater per well. An inline sample port and vacuum pressure gauge at each VEW allow for the operational monitoring of vacuum pressures at wellheads.

The SSDS IRM Work Plan was included in the NYSDEC-approved Remedial Investigation Work Plan for the site, dated June 2010. The February 2011 Design Report for this IRM was approved by NYSDEC and NYSDOH on March 30, 2011. Construction of the SSDS at the site was completed in March and April 2011 in conformance with the design specifications. The vacuum blowers were started on April 28, 2011, and have remained in continuous operation since startup. The Construction Completion Report (CCR) with Operation, Maintenance and Monitoring Plan (OM&M Plan) was approved by NYSDEC and NYSDOH on March 21 and 20, 2012, respectively and is included as Appendix C of the approved Remedial Investigation and Alternatives Analysis Report. The schematic drawings of the SSDS system are included as **Figures 3A, 3B, and 3C.**

Periodic checks of the SSDS confirm that the system is operating within design parameters. Operation, maintenance and monitoring of the system were transferred to the building maintenance personnel in March 2012. The system is checked monthly for proper operations and is maintained periodically, as required under the approved SSDS OM&M Plan.

3.1.2 High Vacuum Extraction /Soil Vapor Extraction System

The HVE/SVE system consists of nine remedial recovery wells connected through a network of piping to both a soil vapor extraction (SVE) component and a high vacuum extraction (HVE) component (a.k.a. total fluids extraction). Both vacuum extraction components (SVE and TFE components) are configured to be interchangeably connected to any or all of the recovery wells through a vacuum manifold system of 2-inch diameter PVC piping. This allows for routine

changes to extraction well configuration to achieve the most effective recovery solution. **Figure 4** shows the system schematic with area wells for reference.

The Interim Remedial Measures Work Plan for the High Vacuum Extraction/Soil Vapor Extraction system was prepared in December 2010 and was approved by NYSDEC and NYSDOH on March 22, 2011, following a public comment period. The May 2011 Design Report for this IRM was approved by NYSDEC and NYSDOH on May 20, 2011. Construction of the HVE/SVE system at the site was completed in March 2011 in conformance with the design specifications. The Construction Completion Report (CCR) with Operation, Maintenance and Monitoring Plan (OM&M Plan) was approved by NYSDEC and NYSDOH on February 6, 2013.

Following NYSDEC's verbal approval of the Work Plan, the HVE/SVE system pilot test phase was started on March 10, 2011. The system was operated through August 29, 2011 in a pilot study operational phase. While in operation, the pilot system was fitted with a catalytic oxidation (CatOx) pre-discharge vapor treatment system to combust vapor phase contaminants not otherwise captured or treated by the system prior to atmospheric discharge. This system was approved for the discharge of up to 0.5 pounds per hour of volatile organic compounds to the atmosphere, post treatment, through the system discharge stack.

Based on pilot test phase monitoring of the system vapor and the confirmation sampling showing that the total VOCs concentration in the system's pre-CatOx exhaust was consistently less than the permissible 0.5 pounds per hour threshold, the CatOx system was eliminated from the final system design.

The pilot system was replaced with a modified system designed/configured to provide additional flow through the HVE part of the system in order to provide greater extraction efficiency in the source area. The new system was installed and operational by mid-November 2011 and has been operating since that time, except for short-term maintenance and repair shut downs.

The SVE/HVE system utilizes a 25-horsepower liquid ring pump to generate a vacuum pressure that has a practical operational range of ten to twelve inches of mercury (in-Hg) with a typical flow rate of approximately 400 cubic feet per minute of air in this vacuum pressure range. This system is capable of extracting fluids that accumulate in the recovery wells (i.e., water, light non-aqueous phase liquids (LNAPL) like petroleum, and dense non-aqueous phase liquids (DNAPL) like chlorinated solvents). This system is used to dewater the source area so that volatile organic NAPL previously trapped in saturated soil can be extracted from the subsurface in the dewatered soil depths.

The system continuously evacuates water and NAPL in the wells at depths up to 14 feet below the ground surface; which is the vacuum lift operating range of the TFE pump. This

effectively dewaters the source area to the depth of the documented shallow clay layer and then sustains a dewatered condition under which the VOCs are extracted in a gaseous/vapor phase. The combined vacuum extraction systems remove vapors from the unsaturated soil. The SVE component of the system is used to provide supplemental vacuum flow in the dewatered subsurface, further assisting in the removal of VOC contaminants.

Contaminated groundwater, LNAPL, and DNAPL are drawn into the remediation trailer and through a cyclone phase separator. The cyclone separator separates the liquid phase from the vapor phase and allows the vapor phase to pass through the vacuum pump and then be discharged to the atmosphere through an exhaust stack. The liquid phase is pumped from the cyclone separator tank into an oil/water separator where LNAPL, DNAPL, and suspended solids (silt, sand, and clay particles) are separated from the aqueous phase. The aqueous phase exits the oil/water separator and is then pumped through a 25-micron bag filter and then through a shallow-tray air stripper before being discharged to the sanitary sewer. The shallow-tray air stripper removes dissolved VOCs from the aqueous phase by passing a large volume of pressurized air over a very thin film of water as it drains through a series of perforated trays. The air stripper effectively removes most of the VOCs from the water before discharging the treated water to the sanitary sewer. VOCs stripped from the water are then passed through and out of the air discharge stack to atmospheric air. A schematic of the HVE/SVE system trailer is provided as **Figure 5**.

When water is discharged to the sewer, nearly all of the VOCs have been removed. A total of 5 parts per million (ppm) residual VOCs are allowed in the discharged water per the approved discharge limit. The efficiency of the separation and air stripping process in this system has consistently provided for VOC concentrations well below the 5 ppm limit action level in the discharged water.

Air and vapors extracted from the subsurface with the SVE pump are directed through the combined system vapor discharge stack. As such, the system air discharge stack contains the combined air and vapor discharges from the HVE pump, the air stripper, and the SVE pump. The combined air/vapor effluent for the system is directed to a single 6-inch diameter metal stack that extends approximately 27 feet above ground level, which places the discharge above the site building's roofline. A discharge concentration of up to 0.5 pounds per hour of total VOCs from this stack is permissible under the approved system operation design. The efficiency of the system has consistently provided for the discharge of air at concentrations well below the action level of 0.5 pounds per day.

A 60-mil thick synthetic liner was installed over the unpaved area before the top soil was replaced. This liner serves two purposes: 1) to reduce the potential for the SVE system to

short circuit vertically back to the atmosphere, and 2) to redirect surface water collecting on top of the unpaved treatment area to an existing site stormwater drain, substantially reducing storm water infiltration into the source area. A four-inch diameter horizontal perforated drain pipe, embedded in crushed stone, was installed around the perimeter of the unpaved area, on top of the synthetic liner, and then the top one foot of soil was replaced.

Stormwater that falls on, flows onto, or melts within the unpaved treatment area is directed to the buried perforated pipe and then flows to an existing three-foot deep, sealed, concrete basin in the southwestern corner of the treatment area (Figure 2). This concrete basin has a single outlet connected to the facility's stormwater management system. Based on a current facility-wide SPDES Permit, water within the basin is discharged to the facility's stormwater system without coming in contact with the contaminated subsurface media.

3.1.3 Reporting

Chazen prepared and submitted monthly progress reports to NYSDEC during implementation of the Remedial Investigation and IRM activities for this site. Progress reports are provided in electronic format in **Appendix B-1**. A photo log is included in Appendix E.

3.2 GOVERNING DOCUMENTS

Remedial activities completed at the site were conducted in substantial conformance with the Department-approved Remedial Investigation Work Plan and Interim Remedial Measures Work Plans for the 136 Fuller Road site. All deviations from the Work Plans are noted below.

3.2.1 Site Specific Health & Safety Plan (HASP)

IRMs performed at the site were in full compliance with governmental requirements, including site and worker safety requirements mandated by Federal OSHA.

A Health and Safety Plan (HASP) was compiled for all remedial and invasive work performed at the Site. The HASP was included as Appendix C of the Remedial Investigation and Alternatives Analysis Work Plan (June 2010)

3.2.2 Quality Assurance Project Plan (QAPP)

The QAPP was included as Appendix B of the Remedial Investigation and Alternatives Analysis Work Plan (June 2010) approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/ quality control activities designed to achieve the project data quality objectives.

3.2.3 Community Air Monitoring Plan (CAMP)

Site work was conducted in accordance with the Community Air Monitoring Plan (CAMP) prepared as Appendix E of the Remedial Investigation and Alternatives Analysis Work Plan (June 2010). Air monitoring was conducted for volatile organic compounds (VOCs) and particulates (i.e., dust) as part of the CAMP. The CAMP readings identified no conditions exceeding action levels for VOCs and only brief (one minute) temporary particulate exceedences associated with site truck traffic driving by and generating dust unrelated to site work.

Copies of field data sheets and logged data files relating to the CAMP are provided in electronic format in **Appendix B-2**. Chazen's on-site representative conducted air monitoring for VOCs and particulates (i.e., dust) as part of the CAMP. "CAMP readings" consisted of measurements collected with a photoionization detector (PID) for the concentration of VOCs and particulate concentrations collected with a particulate meter. CAMP readings did not exceed action levels for VOCs or particulates during IRM excavation activities.

3.2.4Community Participation Plan (CPP)

A Community Participation Pan (CPP) was prepared and included as Appendix D of the Remedial Investigation and Alternatives Analysis Work Plan (June 2010). Project applications, plans, and reports are available to the public in accessible repositories. When appropriate, NYSDEC has published notices for public comment periods on documents in the repositories. Fact Sheets were sent to the list of established site contacts before and after the completion of the Remedial Investigation.

3.3 REMEDIAL PROGRAM ELEMENTS

3.3.1 Contractors and Consultants

- The Chazen Companies and Earth Environmental, LLC were the consultants that oversaw implementation of the IRMs. Daniel W. Stone of the Chazen Companies is the certifying Engineer of record responsible the inspection of the work.
- Drilex, a division of Corporate Environmental Advisors (CEA) and a subcontractor to Chazen, installed the recovery wells and vapor extraction wells utilized in the SSDS and HVE/SVE system. CEA personnel plumbed the HVE/SVE system from the recovery wells to the remediation system enclosure.
- CEA owned the HVE/SVE pilot test system components that operated at the site from March 2011 to August 2011.
- Earth Environmental leases the HVE/SVE system which has operated on the site beginning in November 2011 and was operating at the time this FER was published.

- Dwight Plumbing and Heating installed the plumbing and regenerative blowers for the SSDS in accordance with the design document.
- The Comalli Group and Bullock Utilities wired the site building, the SSDS, added circuits for the HVE/SVE for electric.
- Environmental Products and Services of Vermont, Inc. (EP&S) provided investigation derived waste and remediation waste disposal services.

3.3.2 General Site Controls

Manufacturing at the site operates 24/7, and access to the building is monitored at the main entrances. The ancillary doors are generally locked. Access to the remediation equipment is via locked control panels or locked enclosures. The SSDS blowers are located on a rooftop and are not readily visible or accessible. On-site records are kept inside the locked control panels or enclosures.

3.3.3 Disposal Details

Residual waste is created by the operation of the HVE/SVE system and during performance monitoring. The HVE/SVE system contains an oil/water separator that gradually accumulates NAPL, sediment, and biological fouling. The NAPL, sediment and sludge generated from the periodic cleaning of the oil/water separator is placed in 55-gallon steel drums until two or more drums are full at which time they are scheduled for disposal. These drums are stored in a secure area of the site building.

Groundwater purged from monitoring wells during performance monitoring events is collected in five gallon buckets that are poured into the oil/water separator for treatment.

The IDW (soil) and accumulated HVE/SVE maintenance waste was disposed of by EP&S in September 2011 and additional HVE/SVE waste was disposed of in August 2012. The waste disposal manifests are provided in electronic format in **Appendix B-3**. A summary of waste material generated is provided in the following table.

Table 3.3.3 Summary of Waste Material

Date Removed from Site	Material	Volume/Weight	Disposal Facility
9-16-2011	IDW (Soil)	540 Gallons	High Acres Landfill, Fairport, NY
9-16-2012	Oil/Water Mix	120 Gallons	Eldredge, Inc. in West Chester, PA
8-1-2012	Oil/Water Mix	200 Gallons	Eldredge, Inc. in West Chester, PA

3.4 CONTAMINATION REMAINING AT THE SITE

Figures 6 and 7 summarize the results of soil samples at the site prior to implementation of the remedial measures. **Tables 3.4 A, 3.4 B, and 3.4 C** summarize soil sample results exceeding the SCOs for VOCs, SVOCs, and metals, respectively. **Figure 8** shows the areas that exceed Unrestricted Use SCOs based on data gathered during remedial investigations. Following implementation of the HVE/SVE system, soil quality improvement is being indirectly documented via the periodic sampling of groundwater and concentrations and rates of VOCs extracted from the subsurface.

3.5 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

Groundwater monitoring well sampling was performed every other month during system operations in 2011/2012. These data are the most recent representation of residual contamination at the site. The sampling program included wells primarily located in the source area and for some events the well sampling program was expanded to include wells in the groundwater plume area. Groundwater sample results are compared to the NYSDEC 6 NYCRR Part 703.5 standards and guidance values.

Tables 3.5 A and 3.5 B summarize the groundwater monitoring results for VOCs exceeding the SCG concentrations present during the Pre-IRM monitoring events, through February 2012, in the source area and plume area, respectively. The data show an overall continued reduction in VOC concentrations in the source area, since the pre-IRM sampling.

Data Usability Summary Reports for Soil and Groundwater data collected during the RI are included in **Appendix B-4**. Associated raw data is provided for all samples in **Appendix B-5**.

3.6 SOIL COVER SYSTEM

Exposure to remaining contamination in soil at the site is prevented by a site-wide passive cover system (lawn, paving, structures) and a constructed cover system over the source area. Impacted areas are shown in Figure 8. In the source area, this cover system is comprised of a minimum of 12 inches of clean soil over a synthetic liner, and the concrete building slab. The Excavation Work Plan that appears in Appendix A of the SMP outlines the procedures to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of this cover are provided in the Monitoring Plan included in Section 4 of the SMP.

3.7 INSTITUTIONAL CONTROLS

A series of Institutional Controls is required by the Decision Document to: (1) implement, maintain, and monitor Engineering Control systems; (2) prevent exposure to

remaining contamination by controlling disturbances of the subsurface; and, (3) limit the use and development of the site to commercial or industrial uses. Adherence to these Institutional Controls on the site is required by the Environmental Easement. These Institutional Controls are:

- Compliance with the Environmental Easement by the Grantor and the Grantor's successors and assigns;
- All Engineering Controls must be operated and maintained as specified in the SMP;
- All Engineering Controls on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP.
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.

Institutional Controls identified in the Environmental Easement may not be discontinued without an amendment to, or extinguishment of, the Environmental Easement.

The site has a series of Institutional Controls in the form of site restrictions. Adherence to these Institutional Controls is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

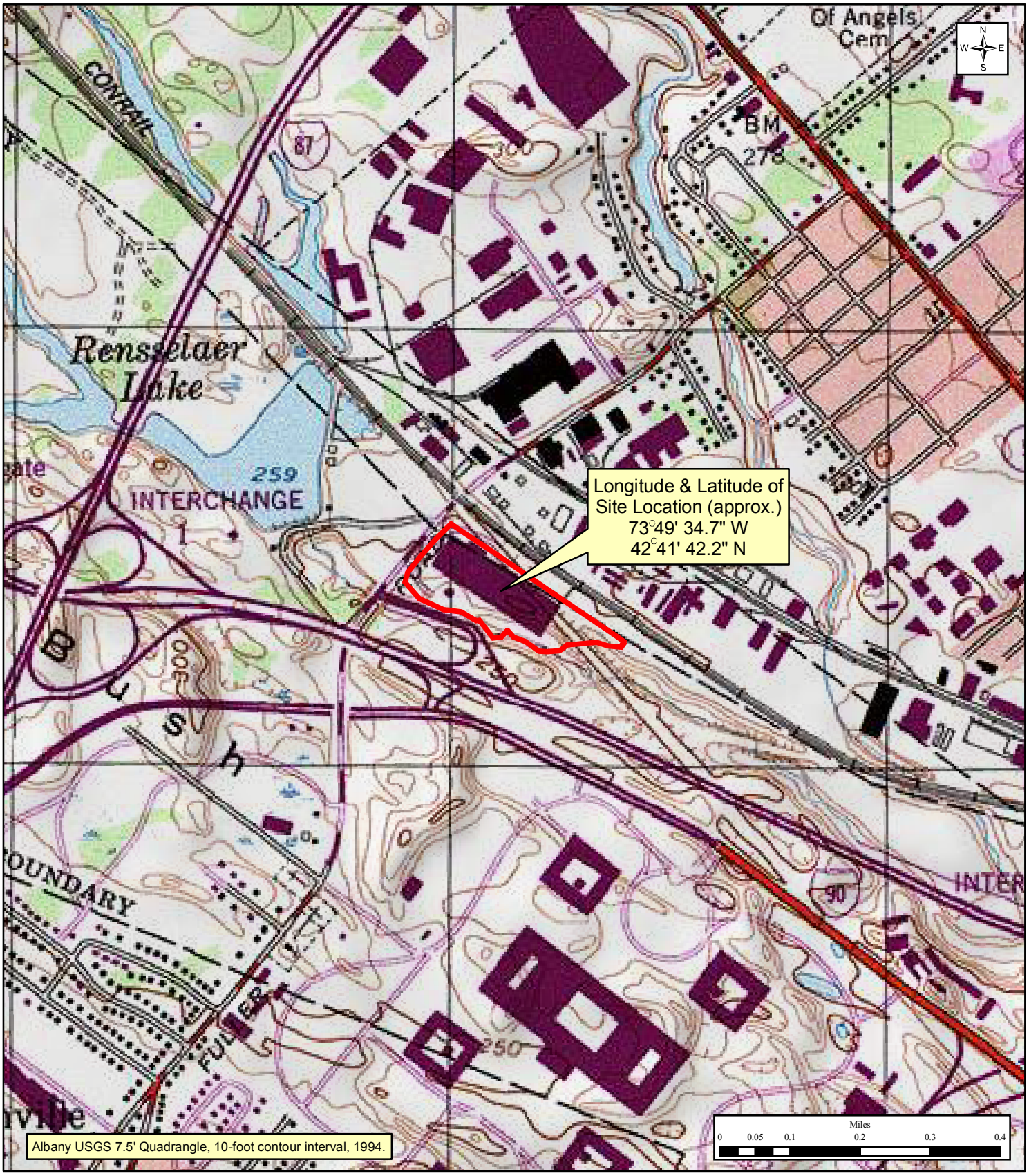
- The property may only be used for commercial or industrial uses provided that the long-term Engineering and Institutional Controls included in the SMP are employed.
- The property may not be used for a higher level of use, such as residential use without amendments to the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- The use of the groundwater underlying the property is prohibited without treatment, if necessary, rendering it safe for intended use;
- The potential for vapor intrusion must be evaluated for any buildings developed on-site in the source or groundwater plume areas, and any potential impacts that are identified must be monitored or mitigated;
- Vegetable gardens and farming on the property are prohibited;
- The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the

controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted every five years and will be made by an expert that the NYSDEC finds acceptable.

The environmental easement for the site was executed by the Department on September 24, 2012, and filed with the Albany County Clerk on October 2, 2012. The County Recording Identifier number for this filing is 11244801. A copy of the easement and proof of filing is provided in Appendix D.

FIGURES

Figure 1 – Site Location Map



THE Chazen COMPANIES

ENGINEERS/SURVEYORS
PLANNERS
ENVIRONMENTAL SCIENTISTS
LANDSCAPE ARCHITECTS

Dutchess County Office:
21 Fox Street, Poughkeepsie, NY 12601
Phone: (845) 454-3980

Orange County Office:
356 Meadow Avenue, Newburgh, NY 12550
Phone: (845) 567-1133

Capital District Office:
547 River Street, Troy, NY 12180
Phone: (518) 273-0055

Glens Falls Office:
100 Glen Street, Glens Falls, NY 12801
Phone: (518) 812-0513

Fuller Partners, LLC

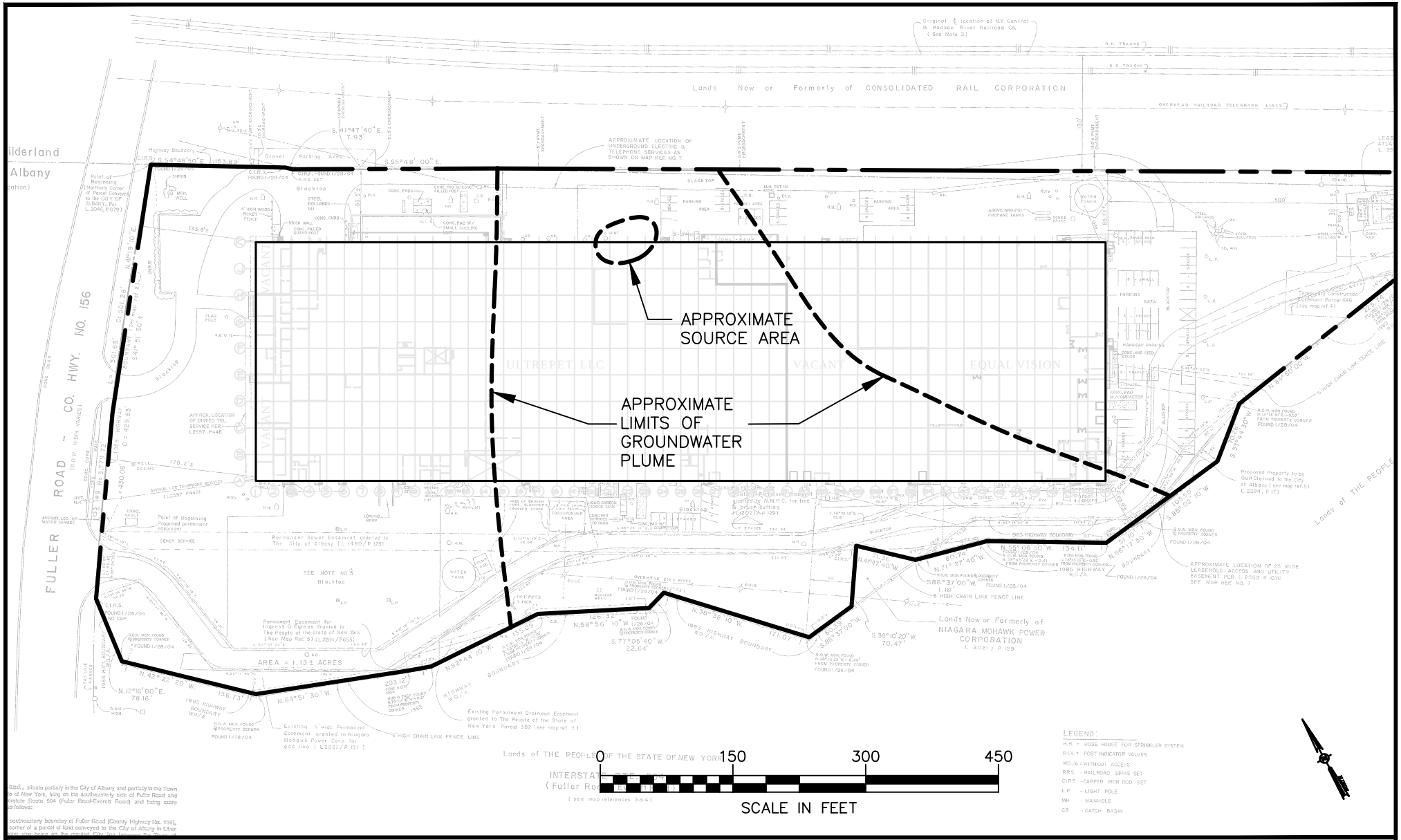
Site Location Map

136 Fuller Road
City of Albany
Albany County, New York

Drawn:	CLC
Date:	01/01/2007
Scale:	As Shown
Project:	90618.00
Figure:	1

Map Document: (R:\9\90601-90699\90618_00\GIS\maps\90618_TopographicMap_8x11.mxd)
1/1/2008 -- 11:52:03 AM

Figure 2 – Source Area and Groundwater Plume



LEGEND:
H.H. = HOSE HOUSE FOR SPRINKLER SYSTEM
P.I.V. = POST INDICATOR VALVES
W.O./A. = WITHOUT ACCESS
RRS - RAILROAD SPIKE SET
CIRS - CAPPED IRON ROD SET
L.P. - LIGHT POLE
MH - MANHOLE
CB - CATCH BASIN

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.

THE Chazen COMPANIES
Engineers/Surveyors
Planners
Environmental Scientists

Dutchess County Office:
21 Fox Street Poughkeepsie, NY 12601
Phone: (845) 454-3980
Capital District Office:
547 River Street Troy, NY 12182
Phone: (518) 235-8050
North Country Office:
100 Glen Street Glens Falls, NY 12801
Phone: (518) 812-0513

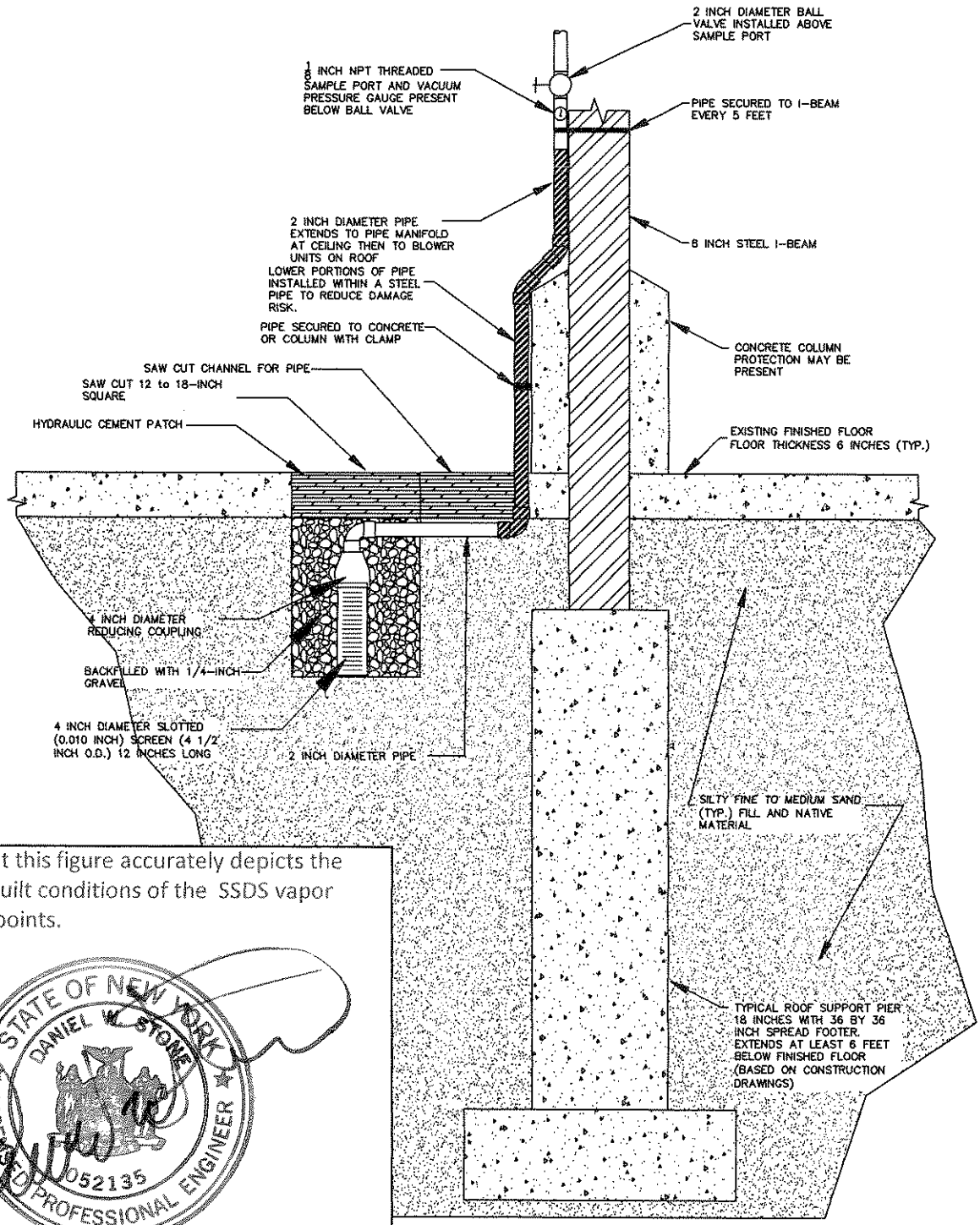
FULLER PARTNERS, LLC SITE

SOURCE AREA AND GROUNDWATER PLUME

136 FULLER ROAD
CITY OF ALBANY, ALBANY CO., NEW YORK

designed	checked
CSD	DS
date	scale
3/22/12	1"≈150'
project no.	
90618.00	
sheet no.	
2	

Figure 3A – Typical Vapor Extraction Point Detail



I certify that this figure accurately depicts the typical as-built conditions of the SSDS vapor extraction points.

STATE OF NEW YORK
DANIEL W. STONE
052135
LICENSED PROFESSIONAL ENGINEER

ALTERATION OF THIS DRAWING, EXCEPT BY A LICENSED P.E. IS ILLEGAL. ANY ALTERATION BY A P.E. MUST BE INDICATED AND BEAR THE APPROPRIATE SEAL, SIGNATURE AND DATE OF ALTERATION.

THE Chazen COMPANIES
Engineers/Surveyors
Planners
Environmental Scientists
Landscape Architects

Dutchess County Office:
21 Fox Street Poughkeepsie, NY 12601
Phone: (845) 454-3980

Capital District Office:
547 River Street Troy, NY 12180
Phone: (518) 273-0055

North Country Office:
100 Glen Street Glens Falls, NY 12801
Phone: (518) 812-0513

136 FULLER ROAD PROPERTY

TYPICAL VAPOR EXTRACTION POINT CONSTRUCTION DETAIL

CITY OF ALBANY, ALBANY CO., NY

drawn	checked
CSD	DPM
date	scale
6/23/11	NTS
project no.	
90618.00	
sheet no.	
FIGURE 3 A	

Drawing Name: S:\9\90600-90699\90618_00\ENV\RI Work Plan\Draft RI AAR Work Plan\HASP and IRM Backup files\FIG02-VAPOR WELL DETAIL as built.dwg Date Print

Figure 3B - SSDS Pipe and Manifold Routing Plan

CONTROL PANEL ACCESSIBLE FROM GROUND LEVEL.

BLOWERS B1,B2,B3 ON ROOF

IN-LINE FILTERS

4-INCH DIAMETER PVC MANIFOLD PIPE.

4-INCH DIAMETER PVC MANIFOLD PIPE.

4-INCH DIAMETER PVC MANIFOLD PIPE.

VE-1

VE-2

VE-3

VE-4

VE-5

VE-7

VE-8

VE-9

ZONE 1

ZONE 2

ZONE 3

LEGEND

Vapor Extraction Well

Unused Vapor Extraction Well

I certify that this figure accurately depicts the as-built conditions of the SSDS.

STATE OF NEW YORK
DANIEL W. STONE
052135
LICENSED PROFESSIONAL ENGINEER

The SSDS depicted on this figure were superimposed on a site survey map. This figure is not a site survey.

ORIGINAL SCALE IN FEET

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.

Office Locations:

Dutchess County Office:
21 Fox Street
Poughkeepsie, New York 12601
Phone: (845) 454-3980

Capital District Office:
547 River Street
Troy, New York 12180
Phone: (518) 273-0055

North Country Office:
100 Glen Street
Glens Falls, New York 12801
Phone: (518) 812-0513

136 FULLER ROAD PROPERTY

SSDS PIPE AND MANIFOLD ROUTING PLAN

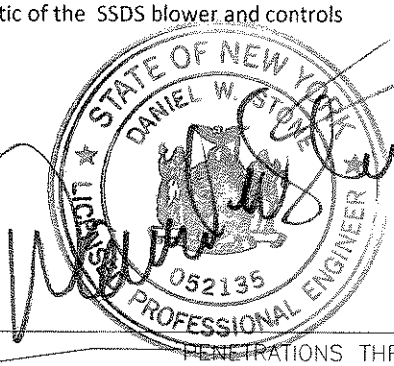
CITY OF ALBANY, ALBANY CO. NEW YORK

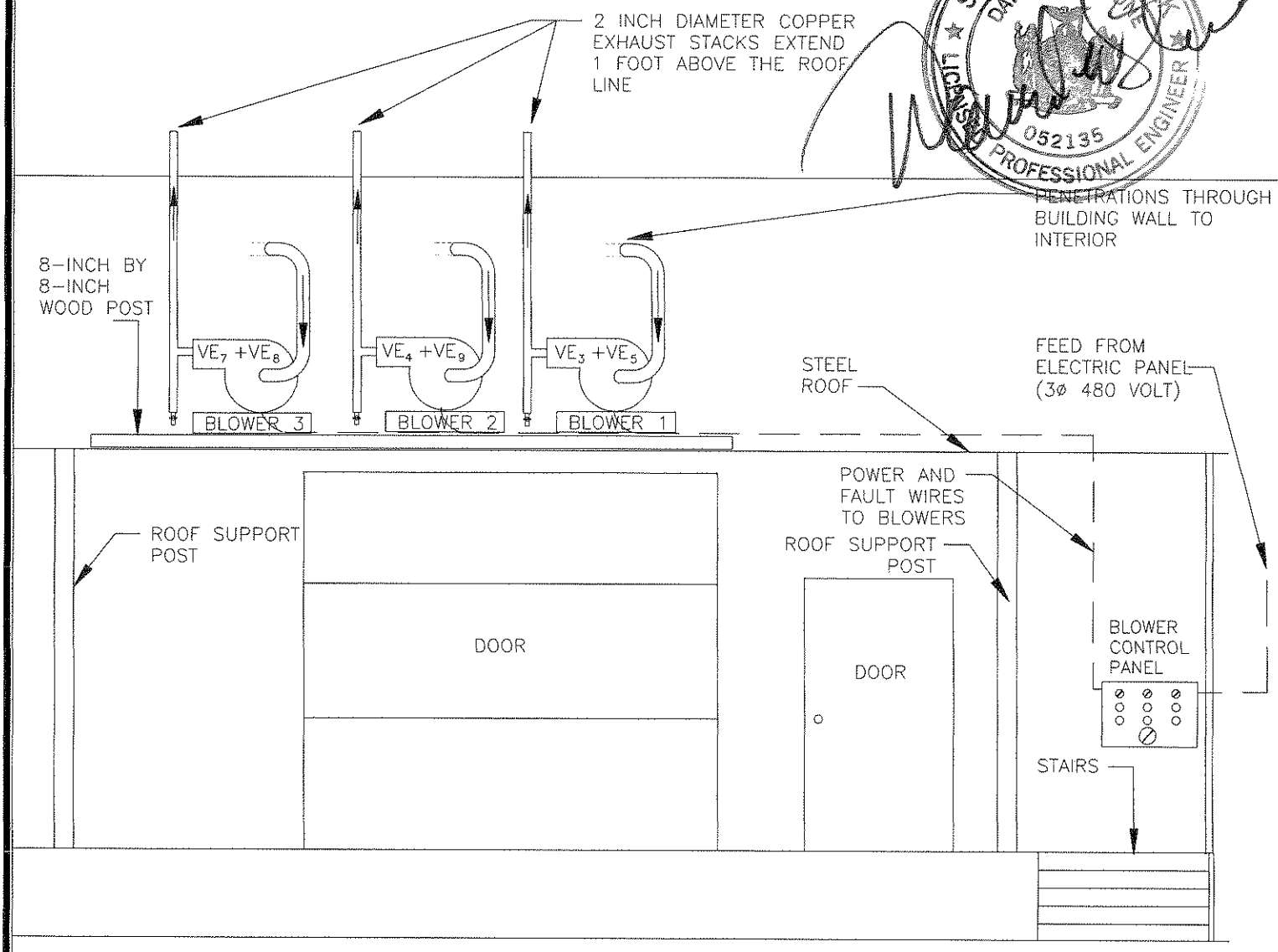
drawn	checked
CSD	DPM
date	scale
8/22/11	1"=40'
project no.	
90618.00	
sheet no.	
FIGURE 3B	

Drawing Name: S:\GIS\90618_00\ENGDWG\SSDS_FIGS_90618-00.DWG Date Printed: Aug 23, 2011, 9:56am

Figure 3C – Blower and Control Schematic

I certify that this figure accurately depicts the as-built schematic of the SSDS blower and controls





NOTES:

- BLOWER CONTROL PANEL INCLUDES "ON" / "OFF" / "AUTO" CONTROLS.
- FAULT LIGHTS LOCATED ON THE BLOWER CONTROL PANEL ARE WIRED TO ILLUMINATE IF FAULT OCCURS.
- ← AIRFLOW DIRECTION

NOTE: FIGURE IS NOT TO SCALE

THE Chazen COMPANIES®
Engineers/Surveyors
Planners
Environmental Scientists
Landscape Architects

Dutchess County Office:
21 Fox Street Poughkeepsie, NY 12601
Phone: (845) 454-3980

Capital District Office:
547 River Street Troy, NY 12180
Phone: (518) 273-0055

North Country Office:
100 Glen Street Glens Falls, NY 12801
Phone: (518) 812-0513

136 FULLER ROAD PROPERTY

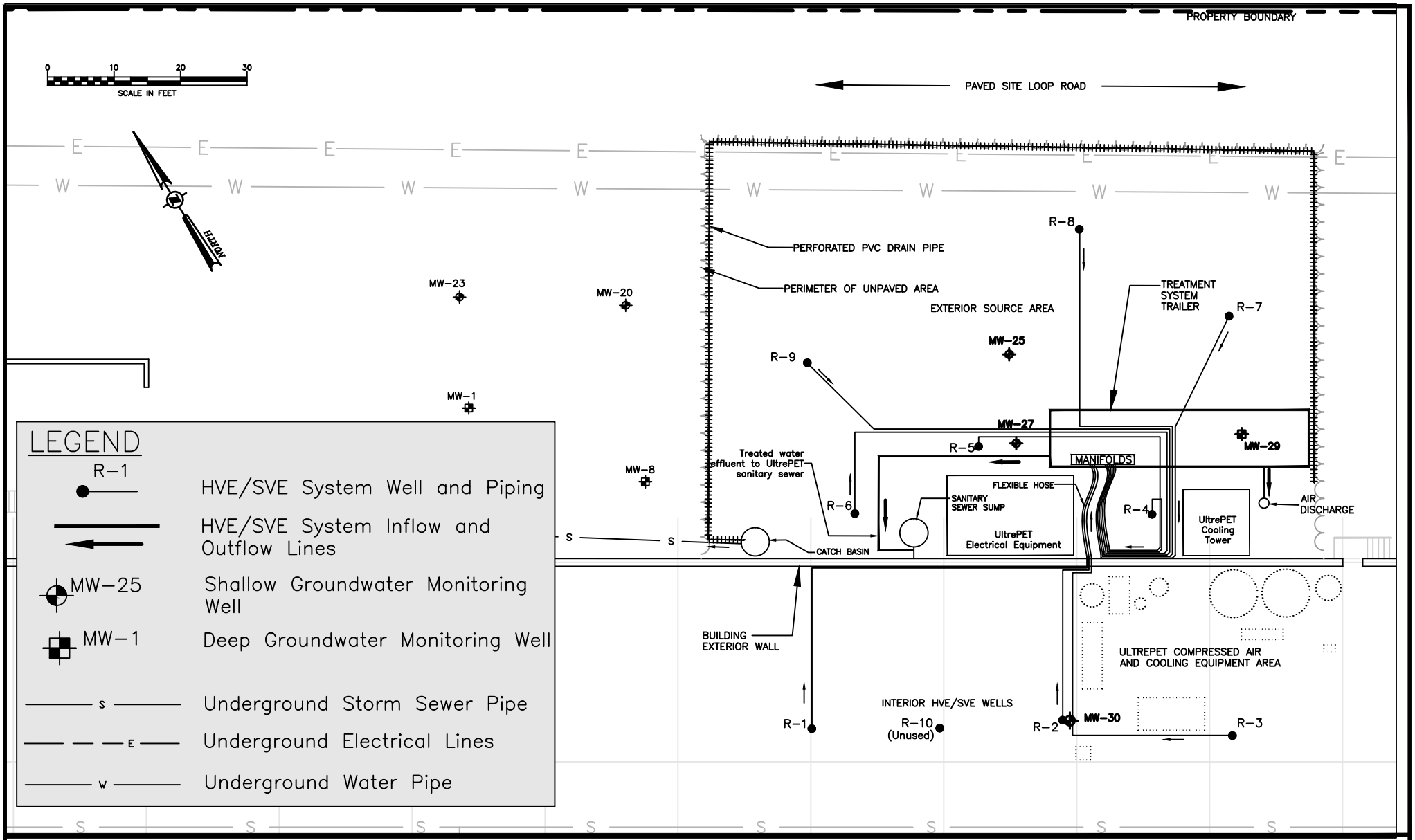
BLOWER AND CONTROLS SCHEMATIC

CITY OF ALBANY, ALBANY COUNTY, NEW YORK

drawn	checked
CSD	DPM
date	scale
6/22/11	N.T.S
project no.	
90618.00	
sheet no.	
FIGURE 3C	

Drawing Name: S:\9\90600-90699\90618_00\ENV\RI Work Plan\Draft RI AAR Work Plan\HASP and IRM Backup files\FIG04_90618-00_As Built piping.dwg Date Printed:

Figure 4 – HVE/SVE System Component Map



I CERTIFY THAT THIS FIGURE ACCURATELY DEPICTS THE AS-BUILT CONDITIONS OF THE HVE/SVE SYSTEM

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.

THE Chazen COMPANIES

Engineers/Surveyors
Planners
Environmental Scientists

Dutchess County Office:
21 Fox Street Poughkeepsie, NY 12601
Phone: (845) 454-3980

Capital District Office:
547 River Street Troy, NY 12182
Phone: (518) 235-8050

North Country Office:
100 Glen Street Glens Falls, NY 12801
Phone: (518) 812-0513

FULLER PARTNERS, LLC SITE

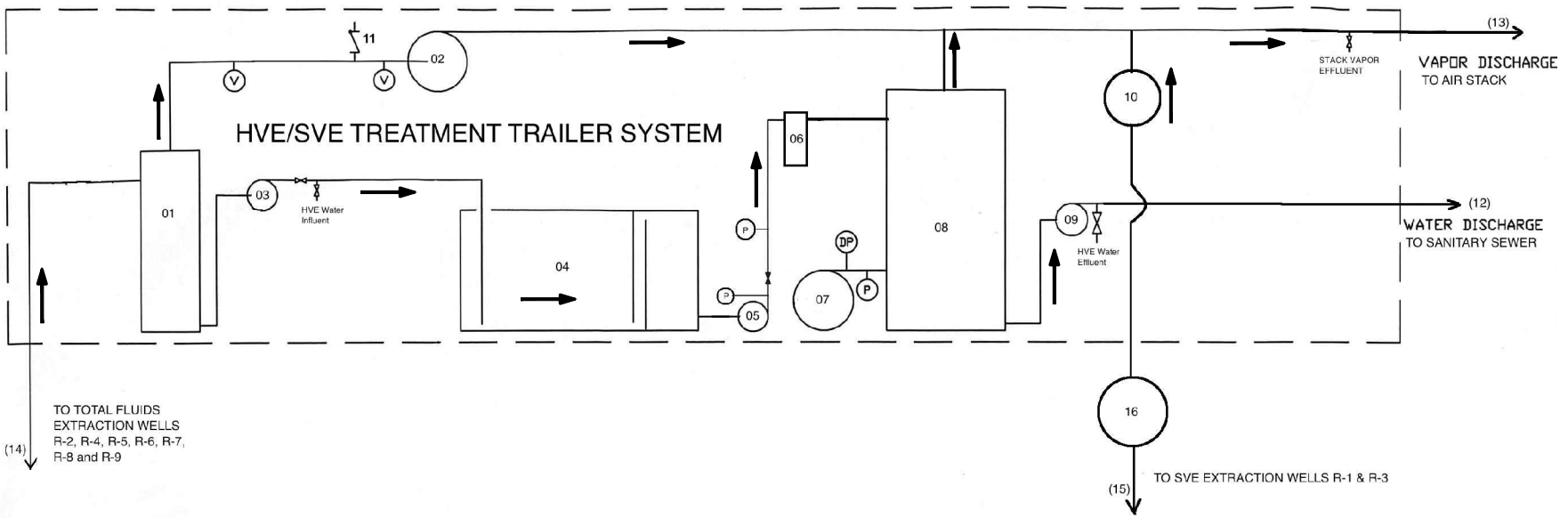
HVE/SVE SYSTEM COMPONENT MAP

136 FULLER ROAD
ALBANY, ALBANY CO., NEW YORK

designed CSD	checked ASM
date 11/7/12	scale 1"=20'
project no. 90618.00	
sheet no. FIGURE 4	

Drawing Name: S:\9\90600-90699\90618_00\ENG\DWG\RM FIGURES_90618-00(SD).dwg Date Printed: Nov 15, 2012, 8:07pm

Figure 5 – HVE/SVE Trailer Components



ITEM	DESCRIPTION	ITEM	DESCRIPTION
01	CYCLONE PHASE SEPARATOR	09	TRANSFER PUMP
02	HVE/TFE LIQUID RING PUMP	10	SVE BLOWER
03	TRANSFER PUMP	11	HVE RELIEF VALVE
04	OIL/WATER SEPARATOR	12	DISCHARGE TO SEWER
05	TRANSFER PUMP	13	AIR STACK DISCHARGE
06	BAG FILTER ASSEMBLY	14	TOTAL FLUIDS INLET MANIFOLD
07	AIR STRIPPER BLOWER	15	SVE INLET MANIFOLD
08	SHALLOW TRAY AIR STRIPPER UNIT	16	SVE PARTICULATE FILTER

DP — DIFFERENTIAL PRESSURE SWITCH

P — PRESSURE GAUGE

SAMPLING PORT

V — VACUUM GAUGE

I CERTIFY THAT THIS FIGURE ACCURATELY DEPICTS THE AS-BUILT CONDITIONS OF THE HVE/SVE SYSTEM

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.

THE Chazen COMPANIES

Engineers/Surveyors
Planners
Environmental Scientists

Dutchess County Office:
21 Fox Street Poughkeepsie, NY 12601
Phone: (845) 454–3980
Capital District Office:
547 River Street Troy, NY 12182
Phone: (518) 235–8050
North Country Office:
100 Glen Street Glens Falls, NY 12801
Phone: (518) 812–0513

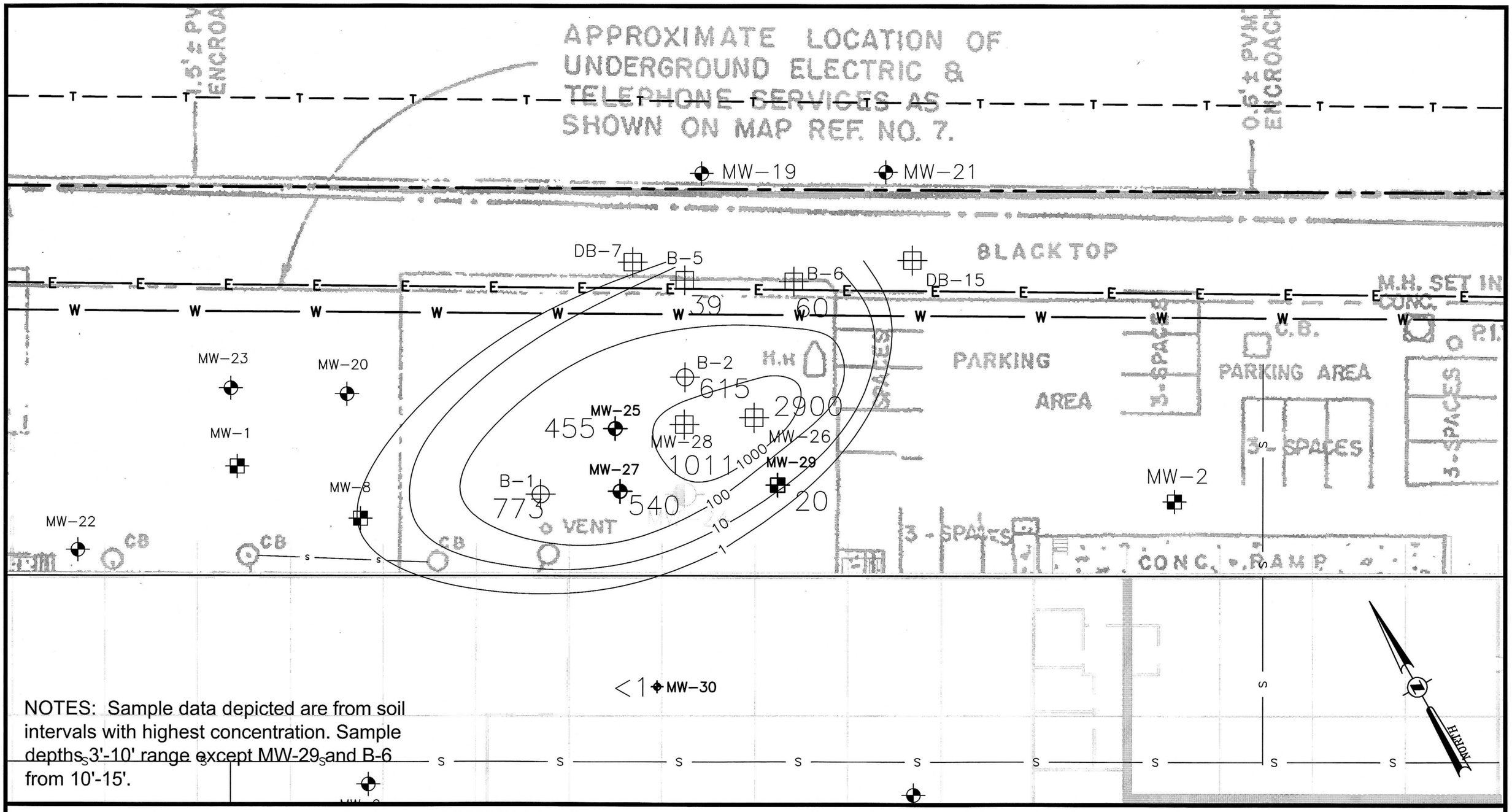
FULLER PARTNERS, LLC SITE

HVE/SVE PIPING AND INSTRUMENTATION DIAGRAM

136 FULLER ROAD
ALBANY, ALBANY CO., NEW YORK

designed CSD	checked ASM
date 11/7/12	scale NTS
project no. 90618.00	
sheet no. FIGURE 5	

Figure 6 – Total Petroleum VOCs in Soil in Parts per Million



CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.

Office Locations:

Dutchess County Office:
21 Fox Street
Poughkeepsie, New York 12601
Phone: (845) 454-3980

Capital District Office:
547 River Street
Troy, New York 12180
Phone: (518) 273-0055

North Country Office:
100 Glen Street
Glens Falls, New York 12801
Phone: (518) 812-0513

FORMER FULLER BRUSH FACILITY

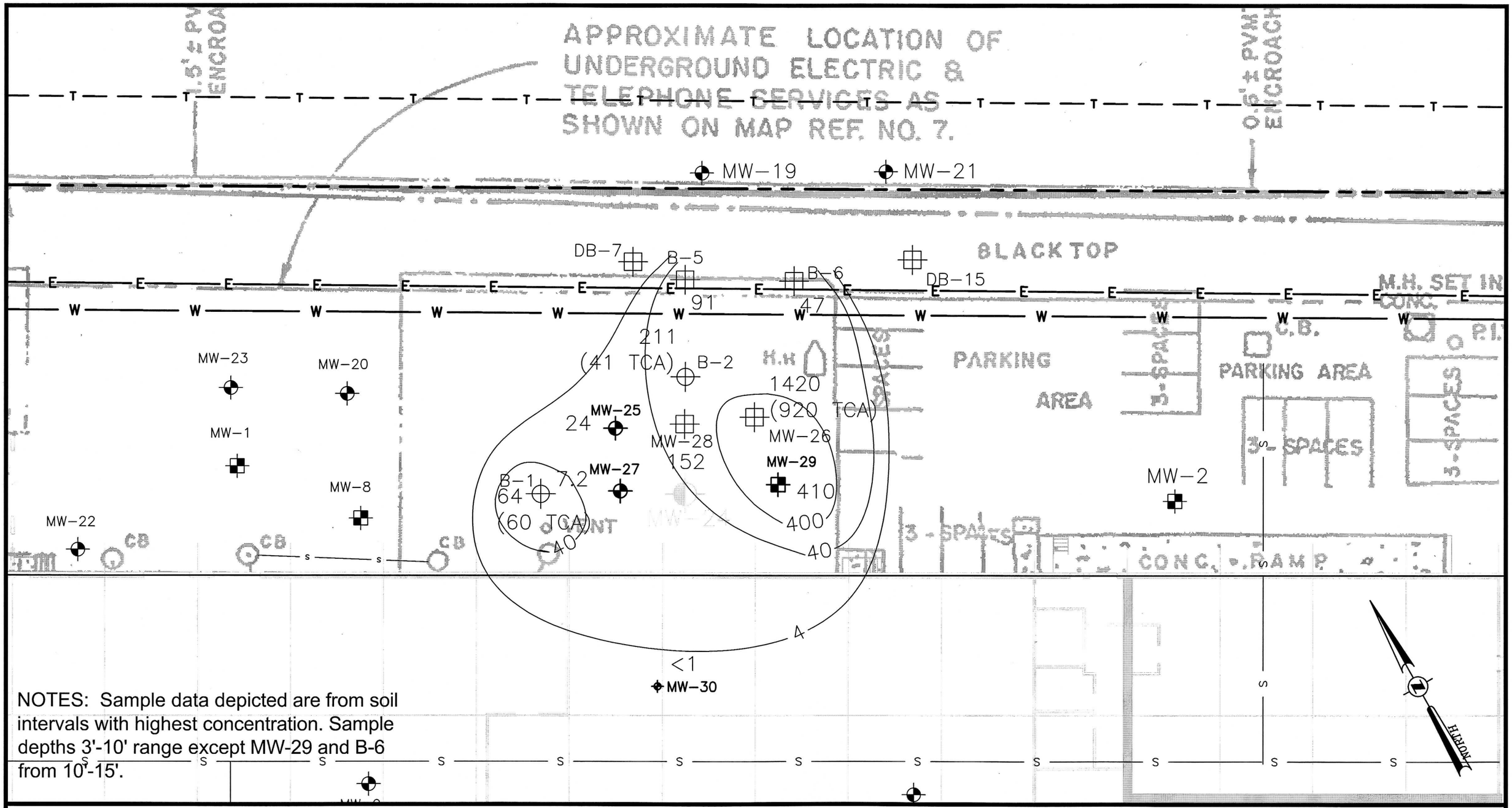
TOTAL PETROLEUM VOCS IN SOIL IN PARTS PER MILLION 136 FULLER ROAD

CITY OF ALBANY, ALBANY CO., NEW YORK

drawn	checked
CSD	ASM
date	scale
9/27/12	1"=20'
project no.	
90618.00	
sheet no.	
FIG. 6	

Drawing Name: S:\9\90600-90699\90618_00\ENG\DWG\FIGURES_90618-00.DWG Date Printed: Sep 27, 2012, 10:59am

Figure 7 – Total CVOCs in Soil in Parts per Million



NOTES: Sample data depicted are from soil intervals with highest concentration. Sample depths 3'-10' range except MW-29 and B-6 from 10'-15'.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.

Office Locations:

Dutchess County Office:
21 Fox Street
Poughkeepsie, New York 12601
Phone: (845) 454-3980

Capital District Office:
547 River Street
Troy, New York 12180
Phone: (518) 273-0055

North Country Office:
100 Glen Street
Glens Falls, New York 12801
Phone: (518) 812-0513

FORMER FULLER BRUSH FACILITY

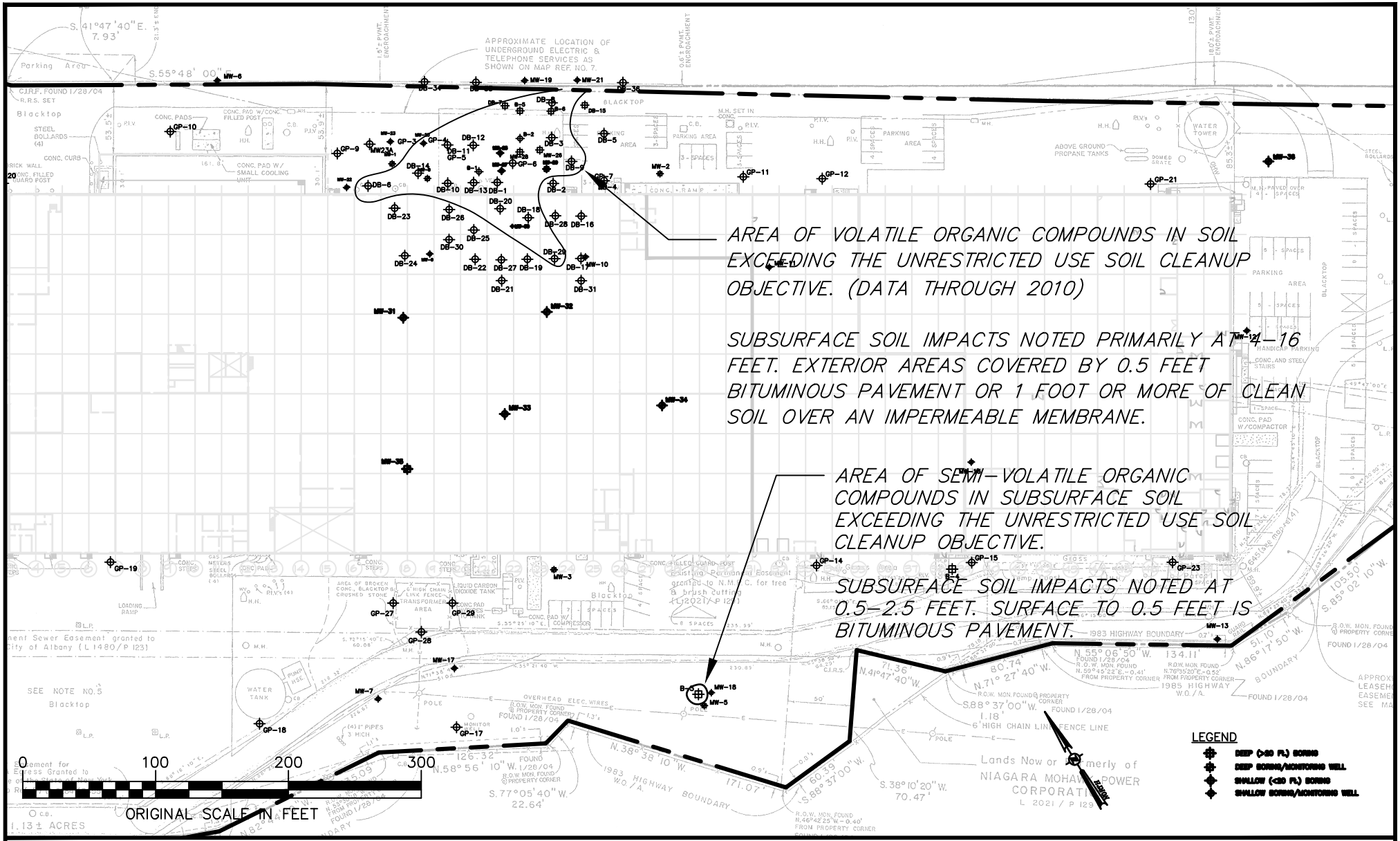
TOTAL CVOCs IN SOIL
IN PARTS PER MILLION
136 FULLER ROAD

CITY OF ALBANY, ALBANY CO., NEW YORK

drawn CSD	checked ASM
date 9/27/12	scale 1"=20'
project no. 90618.00	
sheet no. FIG. 7	

Drawing Name: S:\9\90600-90699\90618_00\ENG\DWG\FIGURES_90618-00.DWG Date Printed: Sep 27, 2012, 11:05am

Figure 8 – Subsurface Areas Exceeding Unrestricted Use SCOs.



CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.
THE Chazen COMPANIES
Engineers/Surveyors
Planners
Environmental Scientists
Dutchess County Office:
21 Fox Street Poughkeepsie, NY 12601
Phone: (845) 454–3980
Capital District Office:
547 River Street Troy, NY 12182
Phone: (518) 235–8050
North Country Office:
100 Glen Street Glens Falls, NY 12801
Phone: (518) 812–0513

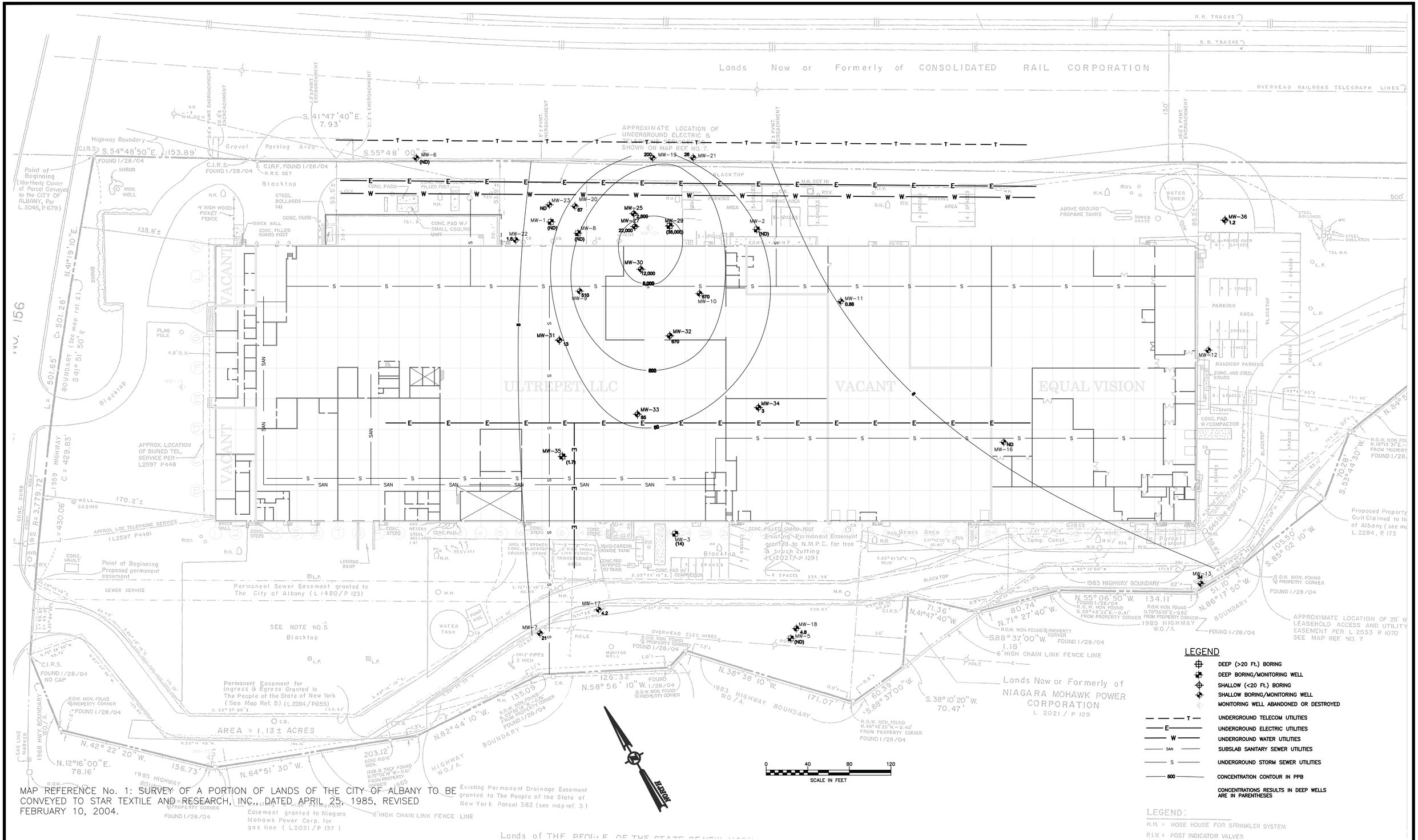
FORMER FULLER BRUSH FACILITY

SUBSURFACE SOIL EXCEEDING UNRESTRICTED USE SOIL CLEANUP OBJECTIVE
136 FULLER ROAD

CITY OF ALBANY, ALBANY CO. NEW YORK

designed	checked
CSD	ASM
date	scale
9/10/2012	1"=100'
project no.	
90618.00	
sheet no.	
FIG. 8	

Figure 9 –PCE Concentrations in Groundwater in Parts per Billion



MAP REFERENCE No. 1: SURVEY OF A PORTION OF LANDS OF THE CITY OF ALBANY TO BE CONVEYED TO STAR TEXTILE AND RESEARCH, INC., DATED APRIL 25, 1985, REVISED FEBRUARY 10, 2004.

LEGEND

- DEEP (>20 Ft.) BORING
- DEEP BORING/MONITORING WELL
- SHALLOW (<20 Ft.) BORING
- SHALLOW BORING/MONITORING WELL
- MONITORING WELL ABANDONED OR DESTROYED
- T — UNDERGROUND TELECOM UTILITIES
- E — UNDERGROUND ELECTRIC UTILITIES
- W — UNDERGROUND WATER UTILITIES
- SAN — SUBSLAB SANITARY SEWER UTILITIES
- S — UNDERGROUND STORM SEWER UTILITIES
- 500 — CONCENTRATION CONTOUR IN PPB

CONCENTRATIONS RESULTS IN DEEP WELLS ARE IN PARENTHESES

LEGEND:

H.H. = HOSE HOUSE FOR SPRINKLER SYSTEM
P.I.V. = POST INDICATOR VALVES

THE Chazen COMPANIES®
Engineers/Surveyors
Planners
Environmental Scientists
Landscape Architects

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.

Office Locations:

Dutchess County Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
Capital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
North Country Office: 100 Glen Street, Glens Falls, New York 12801, Phone: (518) 812-0513
Connecticut: 914 Hartford Turnpike, Waterford, CT. 06385, Phone:(860) 440-2690

rev.	date	description

FORMER FULLER BRUSH FACILITY

PCE CONCENTRATIONS IN GROUNDWATER RESULTS IN PARTS PER BILLION 136 FULLER ROAD

CITY OF ALBANY, ALBANY CO., NEW YORK

drawn	checked
date 9/30/10	scale 1" = 40'
project no. 90618.00	
sheet no. FIG. 9	

Drawing Name: S:\9\90600-90699\90618_00\ENG\DWG\FIGURES_90618-00.DWG
Xref's Attached: XLAYOUT_90618-00; XBASE_90618-00_ARCHITECT; XIMAGE_90618-00_SURVEY; XTB_90618-00; XTB_90618.00_H11x17; INFO-11x17; 3TB-24X36
Date Printed: Sep 30, 2010, 2:12pm

TABLES

Table 3.3.3 – Summary of Waste Disposal (see Section 3.3.3 of document text)

Tables 3.4 A, B and C – Summary of Laboratory Results: Soil Samples

Table 3.4 A
Summary of Laboratory Results
VOCs in Soil Samples
136 Fuller Road, Albany, New York

Sample Location	6 NYCRR Part 375 Soil Cleanup Objectives		B1 Source Area		B2 Source Area				B5 Road North of Building	B6 Road North of Building		
Sample ID: FRSB (Fuller Rd Soil Boring)-Boring ID# (Sample Depth Interval)			FRSB-B1 (4-5)	FRSB-B1 (5-10)	FRSB-B2 (4-5)	FRSB-B2 (5-10)	FRSB-B2 (XX) Duplicate of 5-10	FRSB-B2 (10-15)	FRSB-B5 (5-8)	FRSB-B6 (10-15)	FRSB-B6 (30-35)	FRSB-B6 (39-40)
Sample Date	Unrestricted	*Commercial*	06/25/10	06/25/10	06/22/10	06/22/10	06/22/10	06/22/10	06/25/10	07/08/10	07/08/10	07/08/10
Lab Sample ID			10F0936-11	10F0936-12	10F0847-11	10F0847-12	10F0847-14	10F0847-13	10F0936-10	10G0350-04	10G0350-05	10G0350-06
Analyte	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1,1,1-Trichloroethane	0.68	500	**60 J**	**13 J**	ND< 5.8	**41**	**9.8**	ND< 3.6	**2.9 J**	**2.1 J**	ND< 7.3	ND< 0.54
1,1-Dichloroethane	0.27	240	*ND< 6.3 J*	**0.39 J**	*ND< 5.8*	*ND< 6.4*	*ND< 6.6*	**0.87 J**	*ND< 3.5*	*ND< 6.4*	*ND< 7.3*	*ND< 0.54*
1,1-Dichloroethene	0.33	500	**ND< 6.3 J**	**ND< 1.3 J**	*ND< 5.8*	*ND< 6.4*	*ND< 6.6*	*ND< 3.6*	*ND< 3.5*	*ND< 6.4*	*ND< 7.3*	*ND< 0.54*
1,2-Dichloroethane	0.02	30	*ND< 6.3 J*	*ND< 1.3 J*	*ND< 5.8*	*ND< 6.4*	*ND< 6.6*	*ND< 3.6*	*ND< 3.5*	*ND< 6.4*	*ND< 7.3*	*ND< 0.54*
Acetone	0.05	500	*ND< 13 J*	*ND< 2.8 J*	*ND< 12 J*	*ND< 17 J*	*ND< 18 J*	*ND< 8.1 J*	*ND< 14 J*	*ND< 13 J*	*ND< 19*	*ND< 0.62*
cis-1,2-Dichloroethylene	0.25	500	*ND< 6.3 J*	*ND< 1.3 J*	*ND< 5.8*	*ND< 6.4*	*ND< 6.6*	**5.8**	*ND< 3.5*	*ND< 6.4*	*ND< 7.3*	*ND< 0.54*
Ethyl Benzene	1	390	**81** J	*ND< 13 J*	*ND< 5.8*	**86**	**26**	*ND< 3.6*	**3.8**	**4.6 J**	*ND< 7.3*	ND< 0.54
o-Xylene	0.26+	500+	**180 J**	**21 J**	**26**	***110***	**46**	*ND< 3.6*	**4.6**	**12**	*ND< 7.3*	ND< 0.54
p- & m- Xylenes	0.26+	500+	**430 J**	**65 J**	**98**	***390***	**180**	**0.99 J**	**30**	**43**	*ND< 15*	0.12 J
Tetrachloroethylene	1.3	150	**4 J**	0.5 J	**11**	***170***	**80**	**150**	**88** J	**45**	**62**	***6.8***
Toluene	0.7	500	**82 J**	**12 J**	*ND< 5.8*	**29**	**7.7**	*ND< 3.6*	0.69 J	*ND< 6.4*	*ND< 7.3*	ND< 0.54
Trichloroethylene	0.47	200	*ND< 6.3 J*	*ND< 1.3 J*	*ND< 5.8*	*ND< 6.4*	*ND< 6.6*	**3**	*ND< 3.5*	*ND< 6.4*	*ND< 7.3*	*ND< 0.54*
Vinyl Chloride	0.02	13	*ND< 6.3 J*	*ND< 1.3 J*	*ND< 5.8*	*ND< 6.4*	*ND< 6.6*	*ND< 3.6*	*ND< 3.5*	*ND< 6.4*	*ND< 7.3*	*ND< 0.54*

Sample Location	6 NYCRR Part 375 Soil Cleanup Objectives		MW25 Source Area	MW26 Source Area				MW-27 Source Area		
Sample ID: FRSB (Fuller Rd Soil Boring)-Boring ID# (Sample Depth Interval)			FRSB-MW25 (4-5)	FRSB-MW26 (4-5)	FRSB-MW26 (5-7)	FRSB-MW26 (10-14.5)	FRSB-MW26 (30-34)	FRSB-MW27 (3-5)	FRSB-MW27 (7-9)	FRSB-MW27 (40-42)
Sample Date	Unrestricted	*Commercial*	06/23/10	06/24/10	06/24/10	06/24/10	06/24/10	07/06/10	07/06/10	07/07/10
Lab Sample ID			10F0847-18	10F0936-02	10F0936-03	10F0936-04	10F0936-05	10G0189-03	10G0189-04	10G0268-01
Analyte	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1,1,1-Trichloroethane	0.68	500	**6.5**	***920 J***	**28**	**2.1**	0.66 J	**32**	0.023	0.29
1,1-Dichloroethane	0.27	240	*ND< 5.8*	*ND< 30 J*	*ND< 6.3*	*ND< 6.6*	0.09 J	*ND< 6.2*	ND< 0.0065	ND< 0.53
1,1-Dichloroethene	0.33	500	*ND< 5.8*	*ND< 30 J*	*ND< 6.3*	*ND< 6.6*	ND< 0.061	*ND< 6.2*	ND< 0.0065	*ND< 0.53 J*
1,2-Dichloroethane	0.02	30	*ND< 5.8*	*ND< 30 J*	*ND< 6.3*	*ND< 6.6*	*ND< 0.061*	*ND< 6.2*	ND< 0.0065	*ND< 0.53*
Acetone	0.05	500	*ND< 9.7 J*	*ND< 82 J*	*ND< 24 J*	*ND< 8.4 J*	*ND< 0.061*	*ND< 48*	*ND< 0.085*	*ND< 0.7 J*
cis-1,2-Dichloroethylene	0.25	500	*ND< 5.8*	*ND< 30 J*	*ND< 6.3*	*ND< 6.6*	ND< 0.061	*ND< 6.2*	0.0048 J	*ND< 0.53*
Ethyl Benzene	1	390	*ND< 5.8*	***300 J***	**10**	*ND< 6.6*	0.12 J	**41**	0.043	ND< 0.53
o-Xylene	0.26+	500+	**95**	***610 J***	**24**	**2 J**	**0.19 J**	**110** J	**0.1 J**	**0.11 J**
p- & m- Xylenes	0.26+	500+	**360**	***1,800 J***	**77**	**6.6 J**	**0.78 J**	**330** J	**0.27 J**	**0.44 J**
Tetrachloroethylene	1.3	150	**12**	***500 J***	***410 DJ***	***210 J***	**6.7 DJ**	*ND< 6.2*	**7.2 J**	***22***
Toluene	0.7	500	*ND< 5.8*	**190 J**	**4.7 J**	*ND< 6.6*	0.56 J	**43**	0.018	0.11 J
Trichloroethylene	0.47	200	*ND< 5.8*	*ND< 30 J*	*ND< 6.3*	*ND< 6.6*	ND< 0.061	*ND< 6.2*	0.0028 J	*ND< 0.53*
Vinyl Chloride	0.02	13	*ND< 5.8*	*ND< 30 J*	*ND< 6.3*	*ND< 6.6*	*ND< 0.061*	*ND< 6.2*	ND< 0.0065	*ND< 0.53*

Sample Location	6 NYCRR Part 375 Soil Cleanup Objectives		MW-28 Source Area				MW-29 Source Area				MW-36 Northeast
Sample ID: FRSB (Fuller Rd Soil Boring)-Boring ID# (Sample Depth Interval)			FRSB-MW28 (4-5)	FRSB-MW28 (5-10)	FRSB-MW28 (10-15)	FRSB-MW28 (20-25)	FRSB-MW29 (4-5)	FRSB-MW29 (7-9)	FRSB-MW29 (10-15)	FRSB-MW29 (XXX) Duplicate of 10-15	FRSB-MW36 (20-25)
Sample Date	Unrestricted	*Commercial*	06/23/10	06/23/10	06/23/10	06/23/10	07/07/10	07/07/10	07/07/10	07/07/10	06/22/10
Lab Sample ID			10F0847-10	10F0847-15	10F0847-16	10F0936-07	10G0268-04	10G0268-07	10G0268-05	10G0268-06	10F0847-07
Analyte	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1,1,1-Trichloroethane	0.68	500	**19**	**11**	ND< 3.8	0.076	ND< 0.61	0.52 J	ND< 6.3	ND< 13	**3.1 J**
1,1-Dichloroethane	0.27	240	*ND< 15*	*ND< 3.3*	**1.7 J**	ND< 0.0071	*ND< 0.61*	*ND< 0.64*	*ND< 6.3*	**2.5 J**	ND< 0.0062
1,1-Dichloroethene	0.33	500	*ND< 15*	*ND< 3.3*	*ND< 3.8*	0.031	*ND< 0.61 J*	*ND< 0.64 J*	*ND< 6.3 J*	*ND< 13 J*	ND< 0.0062
1,2-Dichloroethane	0.02	30	*ND< 15*	*ND< 3.3*	*ND< 3.8*	**0.038**	*ND< 0.61*	*ND< 0.64*	*ND< 6.3*	*ND< 13*	ND< 0.0062
Acetone	0.05	500	*ND< 74 J*	*ND< 9.4 J*	*ND< 12 J*	***0.23 J***	*ND< 0.68 J*	*ND< 2.3 J*	*ND< 25 J*	*ND< 18 J*	ND< 0.0095 J
cis-1,2-Dichloroethylene	0.25	500	*ND< 15*	*ND< 3.3*	*ND< 3.8*	ND< 0.0071	*ND< 0.61*	*ND< 0.64*	*ND< 6.3*	**7.7 J**	ND< 0.0062
Ethyl Benzene	1	390	**52**	**16**	*ND< 3.8*	ND< 0.0071	0.46 J	**1.2**	*ND< 6.3*	*ND< 13*	0.0011 J
o-Xylene	0.26+	500+	***190***	**20**	*ND< 3.8*	ND< 0.0071	**2.4**	**5**	*ND< 6.3*	*ND< 13*	0.0012 J
p- & m- Xylenes	0.26+	500+	***740***	**84**	**2.2 J**	0.0014 J	**0.58 J**	**14**	*ND< 13*	*ND< 27*	0.00099 J
Tetrachloroethylene	1.3	150	**18**	***59***	***150***	**8.9 J**	0.53 J	**3.3**	**110**	**400**	0.0078
Toluene	0.7	500	**29**	**7.9**	*ND< 3.8*	0.0012 J	ND< 0.61	**0.26 J**	*ND< 6.3*	*ND< 13*	ND< 0.0062
Trichloroethylene	0.47	200	*ND< 15*	*ND< 3.3*	**0.62 J**	0.031	*ND< 0.61*	*ND< 0.64*	*ND< 6.3*	*ND< 13*	ND< 0.0062
Vinyl Chloride	0.02	13	*ND< 15*	*ND< 3.3*	*ND< 3.8*	**0.027**	*ND< 0.61*	*ND< 0.64*	*ND< 6.3*	*ND< 13*	ND< 0.0062

NOTES:

All data are reported in milligrams per kilogram (mg/kg) = parts per million (ppm)

NS indicates that there is no listed standard for the analyte

ND indicates the compound was not detected at or above the listed laboratory method reporting limit

+ Data for m/p-Xylenes and o-Xylenes summed and compared to standards for total xylenes.

J - Data indicates the presence of a compound detected below the Reporting Limit (RL) but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated

B indicates the analyte is found in the associated analysis batch blank.

Bold cells indicate values that are greater than the Unrestricted Use SCO.

Bold and shaded cells indicate values that are greater than the Commercial Use SCO.

Italicized laboratory reporting limits are indicated with italics.

Table 3.4 B
Summary of Laboratory Results
SVOCs in Soil Samples
136 Fuller Road, Albany, New York

Sample ID: FRSB (Fuller Rd Soil Boring)-Boring ID# (Sample Depth Interval)	6 NYCRR Part 375 Soil Cleanup Objectives		B-3 South of Building	MW-29 Source Area
			FRSB-B3 (0-2)	**FRSB-MW29 (0-2)**
Sample Date	**Unrestricted**	**Commercial**	06/21/10	07/07/10
Lab Sample ID			10F0823-01	10G0268-03
Analyte	ppm	ppm	ppm	ppm
Benzo(a)anthracene	1	5.6	**95.9**	0.711
Benzo(a)pyrene	1	1	**77.1**	0.992
Benzo(b)fluoranthene	1	5.6	**79.1**	**1.03 J**
Benzo(k)fluoranthene	0.8	56	**72.8**	0.700 J
Chrysene	1	56	**97.3 J**	0.926 J
Dibenzo(a,h)anthracene	0.33	0.56	**13.8 J**	0.290 J
Fluoranthene	100	500	**197**	2.06
Indeno(1,2,3-cd)pyrene	0.5	5.6	**35.4**	**0.512 J**
Phenanthrene	100	500	**164**	1.79
Pyrene	100	500	**144**	1.73

NOTES:

All data are reported in milligrams per kilogram (mg/kg) = parts per million (ppm)

NS indicates that there is no listed standard for the analyte

ND indicates the compound was not detected at or above the listed laboratory method reporting limit

J - Data indicates the presence of a compound detected below the Reporting Limit (RL) but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.

Bold cells indicate values that are greater than the Unrestricted Use SCO.

Bold and shaded cells indicate values that are greater than the Commercial Use SCO.

Table 3.4 C
Summary of Laboratory Results
TAL Metals in Soil Samples
136 Fuller Road, Albany, New York

Sample Location	5 NYCRR Part 375 Soil Cleanup Objectives				B-3 South of Building				MW-26 Source Area					
Sample ID: FRSB (Fuller Rd Soil Boring)-Boring ID# (Sample Depth Interval)					**FRSB-B3 (0-2)**	**FRSB-B3 (12-14)**	**FRSB-B3 (29-30)**	**FRSB-B3 (45-48)**	**FRSB-MW26 (0-2)**	**FRSB-MW26 (4-5)**	**FRSB-MW26 (5-7)**	**FRSB-MW26 (10-14.5)**	**FRSB-MW26 (30-34)**	**FRSB-MW26 (40-41.5)**
Sample Date	**Unrestricted**	**Residential**	***Restricted-Residential***	**Commercial**	06/21/10	06/21/10	06/21/10	06/21/10	06/24/10	06/24/10	06/24/10	06/24/10	06/24/10	07/08/10
Lab Sample ID					10F0823-01	10F0823-02	10F0823-03	10F1009-01	10F0936-01	10F0936-02	10F0936-03	10F0936-04	10F0936-05	10G0350-08
Analyte	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Chromium	1	22	110	400	**15.4**	**3.65**	**14.8**	**9.79**	**5.05**	**5.39**	**4.37**	**20.6**	**11.2**	**11**
Nickel	30	140	310	310	**63.9**	6.6	9.59	17.8	7.59	8.91	7.83	**34.1**	17.2	28.4 J

Sample Location	5 NYCRR Part 375 Soil Cleanup Objectives				MW-29 Source Area			MW-30 Inside Building				MW-36 Northeast Corner Outside Building		
Sample ID: FRSB (Fuller Rd Soil Boring)-Boring ID# (Sample Depth Interval)					**FRSB-MW29 (0-2)**	**FRSB-MW29 (4-5)**	**FRSB-MW29 (35-40)**	**FRSB-MW30 (8-9)**	**FRSB-MW30 (10-15)**	**FRSB-MW30 (35-40)**	**FRSB-MW30 (47-48.5)**	**FRSB-MW36 (5-10)**	**FRSB-MW36 (13-15)**	**FRSB-MW36 (20-25)**
Sample Date	**Unrestricted**			**Commercial**	07/07/10	07/07/10	07/08/10	06/30/10	06/30/10	06/30/10	06/30/10	06/22/10	06/22/10	06/22/10
Lab Sample ID					10G0268-03	10G0268-04	10G0350-09	10G0118-01	10G0118-02	10G0118-03	10G0118-04	10F0847-06	10F0847-05	10F0847-07
Analyte	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Chromium	1	22	110	400	**11.4**	**5.83**	**17.9**	**4.47**	**4.74**	**9.95**	**9.31**	**4.73**	**5.24**	**8.98**

NOTES:

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

Bold values that are greater than the unrestricted use standard.

Bold and shaded cells indicate values that are greater than the Commercial Use SCO.

Tables 3.5 A and B – Summary of Laboratory Results: Groundwater Samples

Table 3.5 A
Summary of Laboratory Results
VOCs in Groundwater Samples - Primarily Source Area Wells
136 Fuller Road, Albany, New York

Sample Location		MW8					
Sample ID: FRMW (Fuller Rd Monitoring Well)-Well ID# (approx. depth to well bottom) (Screen Interval)	**6 NYCRR Part 703.5**	**FRMW-MW8-X25 (15-25')**					
Sample Date		07/15/10	5/31/2011	7/21/2011	9/29/2011	12/13/2011	2/22/2012
Lab Sample ID		10G0511-06	11F0120-01	11G0750-01	11J0038-01	11L0632-01	12B0883-01
Groundwater Elevation		240.11	N/A	241.30	242.38	242.00	241.42
Analyte	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1,1,1-Trichloroethane	5	1.6 J	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
1,1-Dichloroethane	5	1.5 J	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
1,1-Dichloroethylene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
1,2-Dichloroethane	0.6	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*
1,2-Dichloropropane	1	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*
Chloroethane	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
cis-1,2-Dichloroethylene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
Dichlorodifluoromethane	5	2.8 J	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
Ethyl Benzene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
Isopropylbenzene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
o-Xylene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
p- & m- Xylenes	5	ND< 10	ND< 10	ND< 10	ND< 10	ND< 10	ND< 10
Tetrachloroethylene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
Toluene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
Trichloroethylene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
Trichlorofluoromethane (freon 11)	5	4.2 J	ND< 5.0	ND< 5.0	ND< 5.0	1.4 J	ND< 5.0
	Location of screen	5+ feet beneath water table (234' - 224' amsl)					

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and guidance values have been **bolded**

Bolded cells indicate values that are greater than the standard; Shaded cells indicate values that are greater than the standard and which were not identified as a laboratory contaminant

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory method reporting limit

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

B indicates the analyte is found in the associated analysis batch blank.

Italics indicate laboratory method reporting limit is greater than the groundwater quality standard

Table 3.5 A
Summary of Laboratory Results
VOCs in Groundwater Samples - Primarily Source Area Wells
136 Fuller Road, Albany, New York

Sample Location		MW9					
Sample ID: FRMW (Fuller Rd Monitoring Well)-Well ID# (approx. depth to well bottom) (Screen Interval)	**6 NYCRR Part 703.5**	**FRMW-MW9-X12 (7-12')**					
Sample Date		7/19/2010	5/31/2011	7/21/2011	9/29/2011	12/13/2011	2/22/2012
Lab Sample ID		10G0579-14	--	--	--	--	--
Groundwater Elevation		245.21	<240	<240	<240	<240	<240
Analyte	ppb	ppb	--	--	--	--	--
1,1,1-Trichloroethane	5	**830**					
1,1-Dichloroethane	5	**900**					
1,1-Dichloroethylene	5	**140**					
1,2-Dichloroethane	0.6	ND< 50					
1,2-Dichloropropane	1	ND< 50					
Chloroethane	5	**8.1 J**					
cis-1,2-Dichloroethylene	5	**1,100**					
Dichlorodifluoromethane	5	**170**					
Ethyl Benzene	5	**580**					
Isopropylbenzene	5	**13 J**					
o-Xylene	5	**760**					
p- & m- Xylenes	5	**2,500**					
Tetrachloroethylene	5	**510**					
Toluene	5	**850**					
Trichloroethylene	5	**330**					
Trichlorofluoromethane (freon 11)	5	**2,200**					
	Location of screen	Across water table on top of shallow clay					

WELL DRY - NOT SAMPLED

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and guidance values have been **bolded**

Bolded cells indicate values that are greater than the standard; Shaded cells indicate values that are greater than the standard and which were not identified as a laboratory contaminant

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory method reporting limit

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

B indicates the analyte is found in the associated analysis batch blank.

Italics indicate laboratory method reporting limit is greater than the groundwater quality standard

Table 3.5 A
Summary of Laboratory Results
VOCs in Groundwater Samples - Primarily Source Area Wells
136 Fuller Road, Albany, New York

Sample Location	6 NYCRR Part 703.5	MW10					
Sample ID: FRMW (Fuller Rd Monitoring Well)-Well ID# (approx. depth to well bottom) (Screen Interval)		FRMW-MW10-X15 (10-15')					
Sample Date		7/19/2010	5/31/2011	7/21/2011	9/29/2011	12/14/2011	2/22/2012
Lab Sample ID		10G0579-15	11F0120-02	11G0750-02	11J0038-02	11L0632-02	12B0883-02
Groundwater Elevation		239.15	241.24	240.56	241.54	241.21	240.65
Analyte	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1,1,1-Trichloroethane	5	**670**	**260**	**65 J**	**300**	**280**	**8.2**
1,1-Dichloroethane	5	**310**	**47 J**	**17**	**97**	**55 J**	0.86 J
1,1-Dichloroethylene	5	**87 J**	**31 J**	**14**	**50**	ND< 250	ND< 5.0
1,2-Dichloroethane	0.6	*ND< 250*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 250*	*ND< 5.0*
1,2-Dichloropropane	1	*ND< 250*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 250*	*ND< 5.0*
Chloroethane	5	ND< 250	3.2 J	1.3 J	2.2	ND< 250	ND< 5.0
cis-1,2-Dichloroethylene	5	**8,700**	**3,300**	**830**	**3,800**	**2,900**	**67**
Dichlorodifluoromethane	5	ND< 250	ND< 5.0	ND< 5.0	ND< 5.0	ND< 250	ND< 5.0
Ethyl Benzene	5	ND< 250	ND< 5.0	ND< 5.0	ND< 5.0	ND< 250	ND< 5.0
Isopropylbenzene	5	ND< 250	ND< 5.0	ND< 5.0	ND< 5.0	ND< 250	ND< 5.0
o-Xylene	5	ND< 250	ND< 5.0	ND< 5.0	ND< 5.0	ND< 250	ND< 5.0
p- & m- Xylenes	5	**46 J**	ND< 10	ND< 10	ND< 10	ND< 250	ND< 10
Tetrachloroethylene	5	**670**	**480**	**140 J**	**190**	**230 J**	**200**
Toluene	5	ND< 250	ND< 5.0	ND< 5.0	ND< 5.0	ND< 250	ND< 5.0
Trichloroethylene	5	**440**	**110**	**26**	**55**	**130 J**	**71**
Trichlorofluoromethane (freon 11)	5	ND< 250	3.5 J	3.2 J	2.3	ND< 250	ND< 5.0
	Location of screen	Across water table (243' - 238' amsl)					

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and guidance values have been **bolded**

Bolded cells indicate values that are greater than the standard; Shaded cells indicate values that are greater than the standard and which were not identified as a laboratory contaminant

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory method reporting limit

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

B indicates the analyte is found in the associated analysis batch blank.

Italics indicate laboratory method reporting limit is greater than the groundwater quality standard

Table 3.5 A
Summary of Laboratory Results
VOCs in Groundwater Samples - Primarily Source Area Wells
136 Fuller Road, Albany, New York

Sample Location	6 NYCRR Part 703.5	MW20					
Sample ID: FRMW (Fuller Rd Monitoring Well)-Well ID# (approx. depth to well bottom) (Screen Interval)		FRMW-MW20-X18 (9.5-19.5')					
Sample Date		07/15/10	05/31/11	07/21/11	09/29/11	12/13/11	02/22/12
Lab Sample ID		10G0511-05	11F0120-03	11G0750-03	11J0038-03	11L0632-03	12B0883-03
Groundwater Elevation		240.28	242.31	241.48	242.65	242.29	241.74
Analyte	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1,1,1-Trichloroethane	5	**190**	**61**	**73**	**81**	**43**	**51**
1,1-Dichloroethane	5	**690**	**220**	**260**	**200**	**100**	**160**
1,1-Dichloroethylene	5	**25 J**	**9.8**	**19**	**14**	**10 J**	**11**
1,2-Dichloroethane	0.6	*ND< 50*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 25*	*ND< 5.0*
1,2-Dichloropropane	1	*ND< 50*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 25*	*ND< 5.0*
Chloroethane	5	ND< 50	1.3 J	2.5 J	1.3	ND< 25	**8.2**
cis-1,2-Dichloroethylene	5	**54**	**21**	**30**	**36**	**25**	**33**
Dichlorodifluoromethane	5	**29 J**	ND< 5.0	ND< 5.0	4.2	ND< 25	2.2 J
Ethyl Benzene	5	**85**	**39**	**54**	**59**	**42**	**58**
Isopropylbenzene	5	ND< 50	1.3 J	2.1 J	1.8	ND< 25	1.6 J
o-Xylene	5	**160**	**79**	**89**	**73**	**32**	**58**
p- & m- Xylenes	5	**500**	**280**	**330**	**340**	**280**	**340**
Tetrachloroethylene	5	**67**	**38**	**40 J**	**76**	**56**	**59**
Toluene	5	**100**	**19**	**17**	**10**	**3.8 J**	**12**
Trichloroethylene	5	ND< 50	**8.4**	**9.6**	**15**	**9.4 J**	**13**
Trichlorofluoromethane (freon 11)	5	**220**	**86**	**94**	**120**	**68**	**84**
	Location of screen	Across water table (240.5' - 230.5' amsl)					

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and guidance values have been **bolded**

Bolded cells indicate values that are greater than the standard; Shaded cells indicate values that are greater than the standard and which were not identified as a laboratory contaminant

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory method reporting limit

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

B indicates the analyte is found in the associated analysis batch blank.

Italics indicate laboratory method reporting limit is greater than the groundwater quality standard

Table 3.5 A
Summary of Laboratory Results
VOCs in Groundwater Samples - Primarily Source Area Wells
136 Fuller Road, Albany, New York

Sample Location	6 NYCRR Part 703.5	MW25					
Sample ID: FRMW (Fuller Rd Monitoring Well)-Well ID# (approx. depth to well bottom) (Screen Interval)		FRMW-MW25-X10 (5-10')					
Sample Date		7/19/2010	5/31/2011	7/21/2011	9/29/2011	12/13/2011	2/22/2012
Lab Sample ID		10G0579-07	11F0120-04	11G0750-04	11J0038-04	--	--
Groundwater Elevation		245.63	240.08	240.09	241.86	239.43	<239
Analyte	ppb	ppb	ppb	ppb	ppb	--	--
1,1,1-Trichloroethane	5	**1,400**	**76**	**100**	**130**		
1,1-Dichloroethane	5	**340**	**70**	**76**	**160**		
1,1-Dichloroethylene	5	ND< 120	**7.0**	ND< 50	ND< 250		
1,2-Dichloroethane	0.6	*ND< 120*	*ND< 5.0*	*ND< 50*	*ND< 250*		
1,2-Dichloropropane	1	*ND< 120*	*ND< 5.0*	*ND< 50*	*ND< 250*		
Chloroethane	5	ND< 120	3.6 J	ND< 50	ND< 250		
cis-1,2-Dichloroethylene	5	**3,500**	**170**	**280**	**1600**		
Dichlorodifluoromethane	5	**62 J**	**290**	**130**	**2100**	WELL DRY - NOT SAMPLED	
Ethyl Benzene	5	**380**	**38**	**24 J**	**100**		
Isopropylbenzene	5	ND< 120	4.2 J	ND< 50	ND< 250		
o-Xylene	5	**490**	**21**	**14 J**	**86**		
p- & m- Xylenes	5	**2,000**	**89**	**51 J**	**320**		
Tetrachloroethylene	5	**2,800**	**140**	**350**	**790**		
Toluene	5	**580**	**15**	**13 J**	ND< 250		
Trichloroethylene	5	**810**	**16**	**18 J**	**85**		
Trichlorofluoromethane (freon 11)	5	**1,200**	**330**	**480**	**9800**		
	Location of screen	On top of shallow clay (244' - 239' amsl)					

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and guidance values have been **bolded**

Bolded cells indicate values that are greater than the standard; Shaded cells indicate values that are greater than the standard and which were not identified as a laboratory contaminant

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory method reporting limit

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

B indicates the analyte is found in the associated analysis batch blank.

Italics indicate laboratory method reporting limit is greater than the groundwater quality standard

Table 3.5 A
Summary of Laboratory Results
VOCs in Groundwater Samples - Primarily Source Area Wells
136 Fuller Road, Albany, New York

Sample Location		MW27					
Sample ID: FRMW (Fuller Rd Monitoring Well)-Well ID# (approx. depth to well bottom) (Screen Interval)	**6 NYCRR Part 703.5**	**FRMW-MW27-X10 (5-10')**					
Sample Date		07/16/10	05/31/11	07/21/11	09/29/11	12/13/2011	2/22/2012
Lab Sample ID		10G0511-14	11F0120-05	11G0750-05	11J0038-05	--	--
Groundwater Elevation		245.56	240.02	240.02	242.01	239.25	<239
Analyte	ppb	ppb	ppb	ppb	ppb	--	--
1,1,1-Trichloroethane	5	**8,500 J**	**250**	**1700 J**	2.7	WELL DRY - NOT SAMPLED	
1,1-Dichloroethane	5	**720 J**	**10 J**	**320**	ND< 5.0		
1,1-Dichloroethylene	5	ND< 2,500	ND< 50	**67**	ND< 5.0		
1,2-Dichloroethane	0.6	*ND< 2,500*	*ND< 50*	*ND< 50*	*ND< 5.0*		
1,2-Dichloropropane	1	*ND< 2,500*	*ND< 50*	*ND< 50*	*ND< 5.0*		
Chloroethane	5	ND< 2,500	ND< 50	**23 J**	ND< 5.0		
cis-1,2-Dichloroethylene	5	**1,200 J**	**21 J**	**280**	**19**		
Dichlorodifluoromethane	5	ND< 2,500	ND< 50	**94**	ND< 5.0		
Ethyl Benzene	5	**1,800 J**	**110**	**48 J**	ND< 5.0		
Isopropylbenzene	5	ND< 2,500	ND< 50	ND< 50	ND< 5.0		
o-Xylene	5	**2,300 J**	**180**	**100**	ND< 5.0		
p- & m- Xylenes	5	**7,100 J**	**650**	**280**	1.6		
Tetrachloroethylene	5	**22,000 J**	**6,700**	**10,000**	**66**		
Toluene	5	**1,900 J**	**56**	**180**	ND< 5.0		
Trichloroethylene	5	ND< 2,500	**15 J**	**150**	**5.2**		
Trichlorofluoromethane (freon 11)	5	**880 J**	**34 J**	ND< 2500	1.1		
	Location of screen	On top of shallow clay (244' - 239' amsl)					

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and guidance values have been **bolded**

Bolded cells indicate values that are greater than the standard; Shaded cells indicate values that are greater than the standard and which were not identified as a laboratory contaminant

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory method reporting limit

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

B indicates the analyte is found in the associated analysis batch blank.

Italics indicate laboratory method reporting limit is greater than the groundwater quality standard

Table 3.5A
Summary of Laboratory Results
VOCs in Groundwater Samples - Primarily Source Area Wells
136 Fuller Road, Albany, New York

Sample Location	6 NYCRR Part 703.5	MW29						
Sample ID: FRMW (Fuller Rd Monitoring Well)-Well ID# (approx. depth to well bottom) (Screen Interval)		FRMW-MW29-X27 (27-32')						
Sample Date		07/16/10	7/16/2010 (DUP)	05/31/11	07/21/11	09/29/11	12/14/11	02/22/12
Lab Sample ID		10G0511-12	10G0511-15	11F0120-06	11G0750-06	11J0038-06	11L0632-04	12B0883-04
Groundwater Elevation		239.37	239.37	241.49	240.61	241.92	241.43	240.83
Analyte	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1,1,1-Trichloroethane	5	ND< 2,500	ND< 2,500	**200 J**	ND< 5	**56**	ND< 2500	**79**
1,1-Dichloroethane	5	**6,400**	**9,300**	**5,900**	ND< 5	**7,200**	**6,300**	**3,900**
1,1-Dichloroethylene	5	ND< 2,500	ND< 2,500	ND< 1000	ND< 5	**150**	ND< 2500	**220**
1,2-Dichloroethane	0.6	*ND< 2,500*	*ND< 2,500*	*ND< 1000*	***20***	*ND< 120*	*ND< 2500*	***10 J***
1,2-Dichloropropane	1	*ND< 2,500*	*ND< 2,500*	*ND< 1000*	*ND< 5*	*ND< 120*	*ND< 2500*	*ND< 50*
Chloroethane	5	ND< 2,500	ND< 2,500	ND< 1000	**5.2**	ND< 120	ND< 2500	ND< 50
cis-1,2-Dichloroethylene	5	ND< 2,500	ND< 2,500	ND< 1000	**10**	ND< 120	ND< 2500	ND< 50
Dichlorodifluoromethane	5	ND< 2,500	ND< 2,500	ND< 1000	**23**	ND< 120	ND< 2500	ND< 50
Ethyl Benzene	5	ND< 2,500	ND< 2,500	ND< 1000	**11**	ND< 120	ND< 2500	**11 J**
Isopropylbenzene	5	ND< 2,500	ND< 2,500	ND< 1000	ND< 5	ND< 120	ND< 2500	ND< 50
o-Xylene	5	ND< 2,500	ND< 2,500	ND< 1000	ND< 5	**65**	ND< 2500	**81**
p- & m- Xylenes	5	ND< 5,000	ND< 2,500	ND< 2000	ND< 10	**41**	**480 J**	**60 J**
Tetrachloroethylene	5	**23,000**	**38,000**	**19,000**	**18,000**	**22,000**	**25,000**	**13,000**
Toluene	5	ND< 2,500	ND< 2,500	ND< 1000	ND< 5	**72**	ND< 2500	**86**
Trichloroethylene	5	**520 J**	**780 J**	**440 J**	ND< 5	**700**	**460 J**	**940**
Trichlorofluoromethane (freon 11)	5	ND< 2,500	ND< 2,500	ND< 1000	ND< 5	ND< 120	ND< 2500	ND< 50
	Location of screen	On top of deep clay (222' - 217' amsl)						

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and guidance values have been**bolded**

Bolded cells indicate values that are greater than the standard; Shaded cells indicate values that are greater than the standard and which were not identified as a laboratory contaminant

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory method reporting limit

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

B indicates the analyte is found in the associated analysis batch blank.

Italics indicate laboratory method reporting limit is greater than the groundwater quality standard

Table 3.5 A
Summary of Laboratory Results
VOCs in Groundwater Samples - Primarily Source Area Wells
136 Fuller Road, Albany, New York

Sample Location		MW30					
Sample ID: FRMW (Fuller Rd Monitoring Well)-Well ID# (approx. depth to well bottom) (Screen Interval)	**6 NYCRR Part 703.5**	**FRMW-MW30-X20 (10-20')**					
Sample Date		7/19/2010	05/31/11	07/21/11	09/29/11	12/14/11	02/22/12
Lab Sample ID		10G0579-10	11F0120-07	11G0750-07	11J0038-07	11L0632-05	12B0883-05
Groundwater Elevation		245.66	238.15	238.71	241.62	240.31	238.75
Analyte	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1,1,1-Trichloroethane	5	**13,000 J**	**3,900**	**580 J**	**9,500**	**2,100**	**2,800**
1,1-Dichloroethane	5	**2,300 J**	**1,400**	**460 J**	**970**	**940 J**	**2,500**
1,1-Dichloroethylene	5	ND< 500	**360**	**140**	**160**	ND< 1000	**950**
1,2-Dichloroethane	0.6	*ND< 500*	***13 J***	*ND< 50*	*ND< 120*	*ND< 1000*	***27 J***
1,2-Dichloropropane	1	*ND< 500*	*ND< 50*	*ND< 50*	*ND< 120*	*ND< 1000*	*ND< 50*
Chloroethane	5	**250 J**	**410**	**310**	**110**	ND< 1000	**1,400**
cis-1,2-Dichloroethylene	5	**2,600 J**	**3,700**	**880 J**	**1,800**	**4,600**	**15,000**
Dichlorodifluoromethane	5	ND< 500	ND< 50	ND< 50	ND< 120	ND< 1000	**26 J**
Ethyl Benzene	5	**420 J**	**170**	**100**	**39**	**72 J**	**310**
Isopropylbenzene	5	ND< 500	**9.1 J**	**5.7 J**	ND< **120**	ND< 1000	**9.8 J**
o-Xylene	5	**810 J**	**620**	**250**	**49**	**130 J**	**780**
p- & m- Xylenes	5	**2,400 J**	**1,500**	**240 J**	**110**	**320 J**	**1,700**
Tetrachloroethylene	5	**12,000 J**	**9,100**	**3,500**	**1400**	**2500**	**15,000**
Toluene	5	**920 J**	**650**	**270**	**84**	**150 J**	**830**
Trichloroethylene	5	**320 J**	**990**	**360**	**110**	**540 J**	**2,600**
Trichlorofluoromethane (freon 11)	5	**94 J**	**18 J**	ND< 50	ND< 120	ND< 1000	ND< 50
	Location of screen	Just beneath water table (242.5' - 232.5' amsl)					

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and guidance values have been **bolded**

Bolded cells indicate values that are greater than the standard; Shaded cells indicate values that are greater than the standard and which were not identified as a laboratory contaminant

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory method reporting limit

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

B indicates the analyte is found in the associated analysis batch blank.

Italics indicate laboratory method reporting limit is greater than the groundwater quality standard

Table 3.5A
Summary of Laboratory Results
VOCs in Groundwater Samples - Primarily Source Area Wells
136 Fuller Road, Albany, New York

Sample Location		MW32					
Sample ID: FRMW (Fuller Rd Monitoring Well)-Well ID# (approx. depth to well bottom) (Screen Interval)	**6 NYCRR Part 703.5**	**FRMW-MW32-X25 (15-25')**					
Sample Date		7/19/2010	05/31/11	07/21/11	09/29/11	12/14/11	02/22/12
Lab Sample ID		10G0579-09	11F0120-08	11G0750-08	11J0038-08	11L0632-06	12B0883-06
Groundwater Elevation		238.84	240.47	239.98	240.75	240.43	239.98
Analyte	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1,1,1-Trichloroethane	5	**46**	**25**	**31**	**72**	ND< 500	**6.2**
1,1-Dichloroethane	5	**11 J**	**32**	**43**	**11**	ND< 500	2.6 J
1,1-Dichloroethylene	5	**6.7 J**	4.7 J	**8.5**	**6.8**	ND< 500	ND< 5.0
1,2-Dichloroethane	0.6	ND< 25	ND< 5.0	0.76 J	ND< **5.0**	ND< 500	ND< 5.0
1,2-Dichloropropane	1	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 500	ND< 5.0
Chloroethane	5	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 500	ND< 5.0
cis-1,2-Dichloroethylene	5	**92**	**190**	**100 J**	**130**	ND< 500	**9.2**
Dichlorodifluoromethane	5	ND< 25	ND< 5.0	5.7	ND< **5.0**	ND< 500	ND< 5.0
Ethyl Benzene	5	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 500	ND< 5.0
Isopropylbenzene	5	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 500	ND< 5.0
o-Xylene	5	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 500	ND< 5.0
p- & m- Xylenes	5	ND< 50	ND< 10	ND< 10	ND< 10	ND< 1000	ND< 10
Tetrachloroethylene	5	**670**	**1200**	**520**	**200**	**280 J**	**270**
Toluene	5	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 500	ND< 5.0
Trichloroethylene	5	**36**	**92**	**120**	**41**	ND< 500	**18**
Trichlorofluoromethane (freon 11)	5	**6.4 J**	**7.1**	**8.3**	**8.3**	ND< 500	**6.4**
	Location of screen	Just beneath water table (237.5' - 227.5' amsl)					

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and guidance values have been **bolded**

Bolded cells indicate values that are greater than the standard; Shaded cells indicate values that are greater than the standard and which were not identified as a laboratory contaminant

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory method reporting limit

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

B indicates the analyte is found in the associated analysis batch blank.

Italics indicate laboratory method reporting limit is greater than the groundwater quality standard

Table 3.5 B
Summary of Laboratory Results
VOCs in Groundwater Samples - Plume Area Wells
136 Fuller Road, Albany, New York

Sample Location		MW3				MW7			
Sample ID: FRMW (Fuller Rd Monitoring Well)-		FRMW-MW3-				FRMW-MW7-			
Well ID# (approx depth to well bottom)	6 NYCRR	X35				X18			
(Screen Interval)	Part 703.5	(30-35')				(8-18')			
Sample Date		7/16/2010	9/30/2011	12/13/2011	2/22/2012	07/15/10	9/29/2011	12/13/2011	2/22/2012
Lab Sample ID		10G0579-04	11J0038-10	11L0633-01	12B0883-07	10G0511-04	11J0038-11	11L0633-02	12B0883-08
Groundwater Elevation		238.19	239.73	239.44	239.06	238.10	239.55	239.2	238.88
Analyte	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1,1,1-Trichloroethane	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	**9.8**	**110**	**75**	**27**
1,1-Dichloroethane	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	**16**	**170**	**160**	**60**
1,1-Dichloroethylene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	4.6 J	ND< 50	2.3 J
1,2-Dichloroethane	0.6	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 50*	*ND< 5.0*
1,2-Dichloropropane	1	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 50*	*ND< 5.0*
Chloroethane	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 50	ND< 5.0
cis-1,2-Dichloroethylene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	**30**	**28 J**	**16**
Dichlorodifluoromethane	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 50	ND< 5.0
Ethyl Benzene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 50	ND< 5.0
Isopropylbenzene	5	ND< 10	ND< 5.0	ND< 5.0	ND< 5.0	ND< 10	ND< 5.0	ND< 50	ND< 5.0
o-Xylene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 50	ND< 5.0
p- & m- Xylenes	5	ND< 10	ND< 10	ND< 10	ND< 10	ND< 10	ND< 10	ND< 50	ND< 10
Tetrachloroethylene	5	**14**	**17**	**17**	**16**	**21**	**38**	**48 J**	**47**
Toluene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 50	ND< 5.0
Trichloroethylene	5	ND< 5.0	ND< 5.0	0.79 J	ND< 5.0	2.6 J	3.9 J	ND< 50	**5.5**
Trichlorofluoromethane (freon 11)	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 50	ND< 5.0
	Location of screen	Top of deep clay (219' - 214' amsl)				Across water table (240' - 230')			

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and

Bolded cells indicate values that are greater than the standard; Shaded cells indicate

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory

J - Data indicates the presence of a compound that meets the identification criteria.

B indicates the analyte is found in the associated analysis batch blank.

Italics indicate laboratory method reporting limit is greater than the groundwater quality standard

Table 3.5 B
Summary of Laboratory Results
VOCs in Groundwater Samples - Plume Area Wells
136 Fuller Road, Albany, New York

Sample Location		MW13				MW17			
Sample ID: FRMW (Fuller Rd Monitoring Well)-		FRMW-MW13-				FRMW-MW17-			
Well ID# (approx depth to well bottom)	6 NYCRR	X20				X18			
(Screen Interval)	Part 703.5	(10-20')				(8-18')			
Sample Date		7/19/2010	9/30/2011	12/13/2011	2/22/2012	07/15/10	09/30/11	12/13/11	02/22/12
Lab Sample ID		10G0579-08	11J0038-12	11L0633-03	12B0883-09	10G0511-03	11J0038-13	11L0633-04	12B0883-10
Groundwater Elevation		229.48	231.33	230.93	230.64	238.16	239.61	239.32	238.93
Analyte	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1,1,1-Trichloroethane	5	0.99 J	0.96 J	ND< 25	ND< 5.0	1.5 J	1.1 J	ND< 5.0	ND< 5.0
1,1-Dichloroethane	5	2.4 J	3.2 J	4.2 J	2.1 J	0.84 J	ND< 5.0	0.77 J	ND< 5.0
1,1-Dichloroethylene	5	ND< 5.0	ND< 5.0	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
1,2-Dichloroethane	0.6	*ND< 5.0*	*ND< 5.0*	*ND< 25*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*
1,2-Dichloropropane	1	*ND< 5.0*	*ND< 5.0*	*ND< 25*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*
Chloroethane	5	ND< 5.0	ND< 5.0	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
cis-1,2-Dichloroethylene	5	ND< 5.0	**82**	**60**	**45**	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
Dichlorodifluoromethane	5	ND< 5.0	ND< 5.0	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
Ethyl Benzene	5	ND< 5.0	ND< 5.0	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
Isopropylbenzene	5	ND< 10	ND< 5.0	ND< 50	ND< 5.0	ND< 10	ND< 5.0	ND< 5.0	ND< 5.0
o-Xylene	5	ND< 5.0	ND< 5.0	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
p- & m- Xylenes	5	ND< 10	ND< 10	ND< 50	ND< 10	ND< 10	ND< 10	ND< 10	ND< 10
Tetrachloroethylene	5	**34 J**	**52**	**56**	**63**	4.2 J	**5.8**	4.9 J	5.0
Toluene	5	ND< 5.0	ND< 5.0	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
Trichloroethylene	5	2.7 J	**14**	**9.4 J**	**12**	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
Trichlorofluoromethane (freon 11)	5	ND< 5.0	ND< 5.0	ND< 25	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
	Location of screen	Across water table (238' - 228' amsl)				Across water table (238' - 228' amsl)			

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and

Bolded cells indicate values that are greater than the standard; Shaded cells indicate

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory

J - Data indicates the presence of a compound that meets the identification criteria.

B indicates the analyte is found in the associated analysis batch blank.

Italics indicate laboratory method reporting limit is greater than the groundwater

Table 3.5 B
Summary of Laboratory Results
VOCs in Groundwater Samples - Plume Area Wells
136 Fuller Road, Albany, New York

Sample Location		MW18				MW31			
Sample ID: FRMW (Fuller Rd Monitoring Well)-		FRMW-MW18-				FRMW-MW31-			
Well ID# (approx depth to well bottom)	6 NYCRR	X19				X22			
(Screen Interval)	Part 703.5	(9-19')				(15-23')			
Sample Date		07/15/10	09/30/11	12/13/11	02/22/12	7/19/2010	9/30/2011	12/14/2011	2/22/2012
Lab Sample ID		10G0511-02	11J0038-14	11L0633-05	12B0883-11	10G0579-12	11J0038-15	11L0633-06	12B0883-12
Groundwater Elevation		233.14	234.59	234.62	234.26	239.02	240.86	240.54	240.11
Analyte	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1,1,1-Trichloroethane	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	2.3 J	1.3 J	1.9 J	2.5 J
1,1-Dichloroethane	5	**6**	**8.8**	**10**	**7.4**	**61**	**8.4**	**77**	**38**
1,1-Dichloroethylene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	4 J	ND< 5.0	3.1 J	2.3 J
1,2-Dichloroethane	0.6	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*
1,2-Dichloropropane	1	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*	*ND< 5.0*
Chloroethane	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0
cis-1,2-Dichloroethylene	5	ND< 5.0	**18**	**20**	**16**	ND< 5.0	**5.5**	**13**	**10**
Dichlorodifluoromethane	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	4.8 J	ND< 5.0	ND< 5.0	ND< 5.0
Ethyl Benzene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	0.56 J	1.1 J
Isopropylbenzene	5	ND< 10	ND< 5.0	ND< 10	ND< 5.0	ND< 10	ND< 5.0	0.61 J	ND< 5.0
o-Xylene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	**9.8**	ND< 5.0	ND< 5.0	ND< 5.0
p- & m- Xylenes	5	ND< 10	ND< 10	ND< 10	ND< 10	**19**	ND< 10	ND< 10	ND< 10
Tetrachloroethylene	5	4.8 J	**6.5**	**5.2**	**5.4**	**13**	2.0 J	3.2 J	3.4 J
Toluene	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	8.6	ND< 5.0	ND< 5.0	ND< 5.0
Trichloroethylene	5	4 J	3.4 J	**5.8**	3.6 J	1.9 J	0.88 J	2.3 J	2.4 J
Trichlorofluoromethane (freon 11)	5	ND< 5.0	ND< 5.0	ND< 5.0	ND< 5.0	**25**	ND< 5.0	ND< 5.0	2.5 J
	Location of screen	Across water table (238.5' - 228.5' amsl)				Beneath water table (237.5' - 229.5' amsl)			

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and

Bolded cells indicate values that are greater than the standard; Shaded cells indicate

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory

J - Data indicates the presence of a compound that meets the identification criteria.

B indicates the analyte is found in the associated analysis batch blank.

Italics indicate laboratory method reporting limit is greater than the groundwater

Table 3.5 B
Summary of Laboratory Results
VOCs in Groundwater Samples - Plume Area Wells
136 Fuller Road, Albany, New York

Sample Location	6 NYCRR Part 703.5	MW33				MW34	MW35
Sample ID: FRMW (Fuller Rd Monitoring Well)-Well ID# (approx depth to well bottom) (Screen Interval)		FRMW-MW33-X25 (15-25')				FRMW-MW34-X25 (15-25')	FRMW-MW35-X35 (25-35')
Sample Date		7/19/2010	9/30/2011	12/14/2011	2/22/2012	07/20/10	7/29/2010
Lab Sample ID		10G0579-11	11J0038-16	11L0633-07	12B0883-13	10G0743-01	10G0906-02
Groundwater Elevation		238.68	240.31	240.22	239.81	238.60	238.61
Analyte	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1,1,1-Trichloroethane	5	**26**	**23**	ND< 500	**85**	ND< 5.0	ND< 5.0
1,1-Dichloroethane	5	**660**	**29**	**550**	**310**	ND< 5.0	ND< 5.0
1,1-Dichloroethylene	5	**28**	**21**	ND< 500	**120**	ND< 5.0	ND< 5.0
1,2-Dichloroethane	0.6	*ND< 25*	*1.2 J*	*ND< 500*	***6.6***	ND< 5.0	*ND< 5.0*
1,2-Dichloropropane	1	*ND< 25*	*ND< 5.0*	*ND< 500*	*ND< 5.0*	ND< 5.0	*ND< 5.0*
Chloroethane	5	ND< 25	1.5 J	ND< 500	3.6 J	ND< 5.0	ND< 5.0
cis-1,2-Dichloroethylene	5	ND< 25	**45**	**420 J**	**410**	ND< 5.0	ND< 5.0
Dichlorodifluoromethane	5	**25**	**22**	ND< 500	**6.3**	ND< 5.0	ND< 5.0
Ethyl Benzene	5	ND< 25	**32**	ND< 500	**12**	ND< 5.0	ND< 5.0
Isopropylbenzene	5	ND< 50	ND< 5.0	ND< 1000	ND< 5.0	ND< 5.0	ND< 10
o-Xylene	5	**4.8 J**	2.2 J	ND< 500	3.2 J	ND< 5.0	ND< 5.0
p- & m- Xylenes	5	**46 J**	1.2 J	ND< 1000	**8.0 J**	ND< 10	ND< 10
Tetrachloroethylene	5	**85**	**120**	**780**	**1,000**	3 J	1.7 J
Toluene	5	**7.1 J**	0.95 J	ND< 500	4.8 J	ND< 5.0	ND< 5.0
Trichloroethylene	5	**12 J**	**27**	**80 J**	**200**	ND< 5.0	ND< 5.0
Trichlorofluoromethane (freon 11)	5	**72**	**66**	ND< 500	**22**	ND< 5.0	ND< 5.0
	Location of screen	Just beneath water table (237.5' - 227.5' amsl)				(236.5' - 226.5' amsl)	(214' - 209' amsl)

NOTES:

All data are reported in micrograms per liter (ug/L) = parts per billion (ppb)

NS indicates that there is no listed standard for that analyte

NA indicate that the compound was not included on the list of analytes

Results which exceed 6 NYCRR Part 703.5 ambient groundwater standards and

Bolded cells indicate values that are greater than the standard; Shaded cells indicate

* = Guidance Value

+ Applies to the sum of trans-1,3-Dichloropropene and cis-1,3-Dichloropropene

ND < = indicates the compound was not detected at or above the listed laboratory

J - Data indicates the presence of a compound that meets the identification criteria.

B indicates the analyte is found in the associated analysis batch blank.

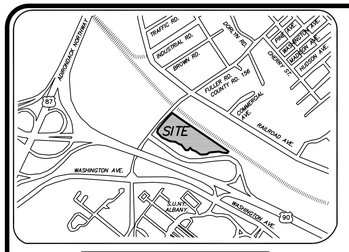
Italics indicate laboratory method reporting limit is greater than the groundwater quality standard

Appendix A:

ALTA/ACSM Land Title Survey

VICINITY MAP

MAP NOT TO SCALE



NOTES CORRESPONDING TO SCHEDULE B SECTION 2 ITEMS

(11) *DRAINAGE EASEMENT – LIBER 1437 CP 283. CANNOT PLOT, MAP REFERENCE NOT SUPPLIED AT TIME OF SURVEY.*

(12) ***SEWER EASEMENT – LIBER 1450 CP 60 AS MODIFIED BY LIBER 1480 CP 123. AFFECTS SUBJECT PARCEL AND HAS BEEN SHOWN.***

(13) *WATER LINE EASEMENT – LIBER 1450 CP 60. CANNOT BE PLOTTED. VAGUE IN DESCRIPTION.*

(14a) ***UTILITY EASEMENT – LIBER 2021 CP 129. AFFECTS SUBJECT PARCEL AND HAS BEEN SHOWN.***

(14d) ***UTILITY BRUSH CUTTING RIGHTS – LIBER 2021 CP 129. AFFECTS SUBJECT PARCEL AND HAS BEEN SHOWN.***

(14b) ***UTILITY EASEMENT – LIBER 2021 CP 137. AFFECTS SUBJECT PARCEL AND HAS BEEN SHOWN.***

(14c) ***UTILITY EASEMENT – LIBER 2344 CP 1119. AFFECTS SUBJECT PARCEL AND HAS BEEN SHOWN.***

(14d) ***UTILITY EASEMENT – LIBER 2597 CP 448. AFFECTS SUBJECT PARCEL AND HAS BEEN SHOWN.***

(15) ***PERMANENT EASEMENT FOR INGRESS AND EASEMENT RESERVED TO THE PEOPLE OF THE STATE OF NEW YORK, LIBER 2284 CP 173. AFFECTS SUBJECT PARCEL AND HAS BEEN SHOWN.***

(17) *DRAINAGE EASEMENT – APPROPRIATION ENVELOPE No. 41399, FILED AUGUST 16, 1965, MAP 327, PAGE 382. POLICY INSURES THAT THE RIGHTS EXERCISED UNDER SAID EASEMENT DO NOT INTERFERE WITH THE USE OR FUTURE BUILDINGS AND IMPROVEMENTS AS SHOWN ON THE SURVEY USED HEREIN.LIBER 2021 CP 137*

(18) *SUBJECT TO EASEMENT SHOWN ON MAP 526, PARCEL 646. NOT SUPPLIED AT TIME OF SURVEY*

(19) ***SUBJECT TO EASEMENT FOR INGRESS AND EGRESS SHOWN ON MAP No. 541, PARCEL 665. AFFECTS SUBJECT PARCEL AND HAS BEEN SHOWN.***

(20) ***SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN A LEASE BETWEEN FULLER REALTY, LESSOR AND CELLCO PARTNERSHIP d/b/a BELL ATLANTIC NYNEX MOBILE, LESSEE DATED APRIL 15, 1995 A MEMORANDUM OF WHICH WAS RECORDED ON 4/5/1996 IN LIBER 2553 OF DEEDS AT PAGE 1070. AFFECTS SUBJECT PARCEL AND HAS BEEN SHOWN.***

SITE AND ENVIRONMENTAL EASEMENT AREA DESCRIPTION

ALL THAT PARCEL OF LAND SITUATE IN THE CITY OF ALBANY, ALBANY COUNTY, STATE OF NEW YORK, LYING ON THE SOUTHEASTERLY SIDE OF FULLER ROAD AND NORTHERLY AND NORTHEASTERLY OF INTERSTATE ROUTE 504 (FULLER ROAD–EVERETT ROAD) AND BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A BEND POINT IN THE SOUTHEASTERLY BOUNDARY OF FULLER ROAD (COUNTY HIGHWAY No.156), SAID POINT BEING THE MOST NORTHERLY CORNER OF A PARCEL OF LAND CONVEYED TO THE CITY OF ALBANY IN LIBER 2046 OF DEEDS, PAGE 679, SAID POINT ALSO BEING ON THE REPUTED CITY LINE BETWEEN THE TOWN OF GUILDERLAND ON THE NORTHEAST AND CITY OF ALBANY ON THE SOUTHWEST; RUNNING THENCE FROM SAID POINT OF BEGINNING ALONG SAID REPUTED CITY LINE. SOUTH 54 DEG. 48 MIN. 50 SEC. EAST, 153.89 FEET TO A POINT ON THE SOUTHWESTERLY BOUNDARY OF LANDS NOW OR FORMERLY OF CONSOLIDATED RAIL CORPORATION; THENCE ALONG SAID SOUTHWESTERLY BOUNDARY THE FOLLOWING THREE COURSES: SOUTH 41 DEG. 47 MIN. 40. SEC. EAST, 7.93 FEET TO A POINT; SOUTH 55 DEG. 48 MIN. 00 SEC. EAST, 565.49 FEET TO A POINT: SOUTH 54 DEG. 43 MIN. 49 SEC. EAST, 854.91 FEET TO A POINT; THENCE THROUGH THE LANDS NOW OR FORMERLY OF THE CITY OF ALBANY , SOUTH 34 DEG. 11 MIN. 40 SEC. WEST, 32.33 FEET TO A POINT ON THE NORTHERLY BOUNDARY OF INTERSTATE ROUTE 504 (FULLER ROAD–EVERETT ROAD); THENCE ALONG SAID HIGHWAY BOUNDARY THE FOLLOWING FOUR COURSES: NORTH 68 DEG. 51 MIN. 20 SEC. WEST, 2.51 FEET TO A POINT; NORTH 84 DEG. 23 MIN. 40 SEC. WEST, 101.01 FEET TO A POINT; NORTH 73 DEG. 34 MIN. 30 SEC. WEST, 89.55 FEET TO A POINT; AND NORTH 84 DEG. 50 MIN. 00 SEC. WEST, 225.74 FEET TO ITS INTERSECTION WITH THE EASTERLY LINE OF PROPERTY DEEDED TO THE CITY OF ALBANY BY THE PEOPLE OF THE STATE OF NEW YORK; THENCE ALONG SAID HIGHWAY BOUNDARY AND ALONG THE EASTERLY AND SOUTHERLY LINE OF SAID PREMISES DEEDED TO THE CITY OF ALBANY BY THE PEOPLE OF THE STATE OF NEW YORK, THENCE ALONG SAID HIGHWAY BOUNDARY AND ALONG THE EASTERLY AND SOUTHERLY LINE OF PROPERTY DEEDED TO THE CITY OF ALBANY THE FOLLOWING FIVE COURSES; SOUTH 53 DEG. 44 MIN. 30 SEC. WEST, 70.28 FEET TO A POINT; SOUTH 85 DEG. 02 MIN. 10 SEC. WEST, 105.50 FEET TO A POINT; NORTH 86 DEG. 17 MIN 50 SEC. WEST, 51.10 FEET TO A POINT; NORTH 55 DEG. 06 MIN. 50 SEC. WEST, 134.11 FEET TO A POINT; NORTH 71 DEG. 27 MIN. 40 SEC. WEST. 80.74 FEET TO A POINT ON THE NORTHERLY HIGHWAY BOUNDARY OF SAID INTERSTATE ROUTE 504; THENCE ALONG SAID HIGHWAY BOUNDARY SOUTH 88 DEG. 37 MIN. 00 SEC. WEST, 1.18 FEET TO ITS INTERSECTION WITH THE DIVISION LINE BETWEEN THE LANDS NOW OR FORMERLY OF THE CITY OF ALBANY ON THE NORTHEAST AND THE LANDS NOW OR FORMERLY OF NIAGARA MOHAWK POWER CORP. ON THE SOUTHWEST AS DESCRIBED IN LIBER 2021 OF DEEDS AT PAGE 129; THENCE ALONG THE ABOVE LAST MENTIONED DIVISION LINE, NORTH 41 DEG. 47 MIN. 40 SEC. WEST, 71.36 FEET TO ITS INTERSECTION WITH THE DIVISION LINE BETWEEN SAID LANDS NOW OR FORMERLY OF THE CITY OF ALBANY ON THE NORTHWEST AND THE LANDS NOW OR FORMERLY OF SAID NIAGARA MOHAWK POWER CORP. ON THE SOUTHEAST; THENCE ALONG THE ABOVE LAST MENTIONED DIVISION LINE, SOUTH 38 DEG. 11 MIN. 20 SEC. WEST, 70.47 FEET TO ITS INTERSECTION WITH THE SAID INTERSTATE ROUTE 504 HIGHWAY BOUNDARY; THENCE ALONG SAID HIGHWAY BOUNDARY THE FOLLOWING THREE COURSES: SOUTH 88 DEG. 37 MIN. 00 SEC. WEST, 60.39 FEET TO A POINT; NORTH 38 DEG. 38 MIN. 10 SEC. WEST, 171.07 FEET TO A POINT; AND SOUTH 77 DEG. 05 MIN. 40 SEC. WEST, 22.64 FEET; THENCE ALONG SAID HIGHWAY BOUNDARY THE FOLLOWING THREE COURSES: NORTH 58 DEG. 56 MIN. 10 SEC. WEST, 126.32 FEET TO A POINT; NORTH 82 DEG. 44 MIN. 10 SEC. WEST, 135.09 FEET TO A POINT; NORTH 64 DEG. 51 MIN. 30 SEC. WEST, 203.12 FEET; THENCE ALONG SAID HIGHWAY BOUNDARY NORTH 42 DEG. 22 MIN. 20 SEC. WEST 156.73 FEET; THENCE ALONG SAID HIGHWAY BOUNDARY NORTH 12 DEG. 16 MIN. 00 SEC. EAST, 78.16 FEET TO ITS INTERSECTION WITH THE ABOVE MENTIONED SOUTHEASTERLY BOUNDARY OF FULLER ROAD; THENCE ALONG SAID SOUTHEASTERLY BOUNDARY, ALONG A CURVE TO THE RIGHT OF RADIUS 3,779.72 FEET, AN ARC DISTANCE OF 501.65 FEET, TO THE POINT OR PLACE OF BEGINNING (THE CHORD FOR THE ABOVE DESCRIBED CURVE BEING, NORTH 41 DEG. 19 MIN. 10 SEC. EAST, 501.28 FEET) CONTAINING 15.56± ACRES OF LAND.

RECORD DESCRIPTION

ALL THAT PARCEL OF LAND, SITUATE PARTIALLY IN THE CITY OF ALBANY AND PARTIALLY IN THE TOWN OF GUILDERLAND, ALBANY COUNTY, STATE OF NEW YORK, LYING ON THE SOUTHEASTERLY SIDE OF FULLER ROAD AND NORTHERLY AND NORTHEASTERLY OF INTERSTATE ROUTE 504 (FULLER ROAD–EVERETT ROAD) AND BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A BEND POINT IN THE SOUTHEASTERLY BOUNDARY OF FULLER ROAD (COUNTY HIGHWAY No.156), SAID POINT BEING THE MOST NORTHERLY CORNER OF A PARCEL OF LAND CONVEYED TO THE CITY OF ALBANY IN LIBER 2046 OF DEEDS, PAGE 679, SAID POINT ALSO BEING ON THE REPUTED CITY LINE BETWEEN THE TOWN OF GUILDERLAND ON THE NORTHEAST AND CITY OF ALBANY ON THE SOUTHWEST; RUNNING THENCE FROM SAID POINT OF BEGINNING ALONG SAID REPUTED CITY LINE. SOUTH 54 DEG. 48 MIN. 50 SEC. EAST, 153.89 FEET TO A POINT ON THE SOUTHWESTERLY BOUNDARY OF LANDS NOW OR FORMERLY OF CONSOLIDATED RAIL CORPORATION; THENCE ALONG SAID SOUTHWESTERLY BOUNDARY THE FOLLOWING TWO COURSES: SOUTH 41 DEG. 47 MIN. 40. SEC. EAST, 7.93 FEET TO A POINT; SOUTH 55 DEG. 48 MIN. 00 SEC. EAST, 1420.25 FEET TO A POINT; THENCE THROUGH THE LANDS NOW OR FORMERLY OF THE CITY OF ALBANY , SOUTH 34 DEG. 11 MIN. 40 SEC. WEST, 48.29 FEET TO A POINT ON THE NORTHERLY BOUNDARY OF INTERSTATE ROUTE 504 (FULLER ROAD–EVERETT ROAD); THENCE ALONG SAID HIGHWAY BOUNDARY THE FOLLOWING FOUR COURSES: NORTH 68 DEG. 51 MIN. 20 SEC. WEST, 2.51 FEET TO A POINT; NORTH 84 DEG. 23 MIN. 40 SEC. WEST, 101.01 FEET TO A POINT; NORTH 73 DEG. 34 MIN. 30 SEC. WEST, 89.55 FEET TO A POINT; AND NORTH 84 DEG. 50 MIN. 00 SEC. WEST, 225.74 FEET TO ITS INTERSECTION WITH THE EASTERLY LINE OF PROPERTY DEEDED TO THE CITY OF ALBANY BY THE PEOPLE OF THE STATE OF NEW YORK; THENCE ALONG SAID HIGHWAY BOUNDARY AND ALONG THE EASTERLY AND SOUTHERLY LINE OF SAID PREMISES DEEDED TO THE CITY OF ALBANY BY THE PEOPLE OF THE STATE OF NEW YORK, THENCE ALONG SAID HIGHWAY BOUNDARY AND ALONG THE EASTERLY AND SOUTHERLY LINE OF PROPERTY DEEDED TO THE CITY OF ALBANY THE FOLLOWING FIVE COURSES; SOUTH 53 DEG. 44 MIN. 30 SEC. WEST, 70.28 FEET TO A POINT; SOUTH 85 DEG. 02 MIN. 10 SEC. WEST, 105.50 FEET TO A POINT; NORTH 86 DEG. 17 MIN 50 SEC. WEST, 51.10 FEET TO A POINT; NORTH 55 DEG. 06 MIN. 50 SEC. WEST, 134.11 FEET TO A POINT; NORTH 71 DEG. 27 MIN. 40 SEC. WEST. 80.74 FEET TO A POINT ON THE NORTHERLY HIGHWAY BOUNDARY OF SAID INTERSTATE ROUTE 504; THENCE ALONG SAID HIGHWAY BOUNDARY SOUTH 88 DEG. 37 MIN. 00 SEC. WEST, 1.18 FEET TO ITS INTERSECTION WITH THE DIVISION LINE BETWEEN THE LANDS NOW OR FORMERLY OF THE CITY OF ALBANY ON THE NORTHEAST AND THE LANDS NOW OR FORMERLY OF NIAGARA MOHAWK POWER CORP. ON THE SOUTHWEST AS DESCRIBED IN LIBER 2021 OF DEEDS AT PAGE 129; THENCE ALONG THE ABOVE LAST MENTIONED DIVISION LINE, NORTH 41 DEG. 47 MIN. 40 SEC. WEST, 71.36 FEET TO ITS INTERSECTION WITH THE DIVISION LINE BETWEEN SAID LANDS NOW OR FORMERLY OF THE CITY OF ALBANY ON THE NORTHWEST AND THE LANDS NOW OR FORMERLY OF SAID NIAGARA MOHAWK POWER CORP. ON THE SOUTHEAST; THENCE ALONG THE ABOVE LAST MENTIONED DIVISION LINE, SOUTH 38 DEG. 11 MIN. 20 SEC. WEST, 70.47 FEET TO ITS INTERSECTION WITH THE SAID INTERSTATE ROUTE 504 HIGHWAY BOUNDARY; THENCE ALONG SAID HIGHWAY BOUNDARY THE FOLLOWING THREE COURSES: SOUTH 88 DEG. 37 MIN. 00 SEC. WEST, 60.39 FEET TO A POINT; NORTH 38 DEG. 38 MIN. 10 SEC. WEST, 171.07 FEET TO A POINT; AND SOUTH 77 DEG. 05 MIN. 40 SEC. WEST, 22.64 FEET; THENCE ALONG SAID HIGHWAY BOUNDARY THE FOLLOWING THREE COURSES: NORTH 58 DEG. 56 MIN. 10 SEC. WEST, 126.32 FEET TO A POINT; NORTH 82 DEG. 44 MIN. 10 SEC. WEST, 135.09 FEET TO A POINT; NORTH 64 DEG. 51 MIN. 30 SEC. WEST, 203.12 FEET; THENCE ALONG SAID HIGHWAY BOUNDARY NORTH 42 DEG. 22 MIN. 20 SEC. WEST 156.73 FEET; THENCE ALONG SAID HIGHWAY BOUNDARY NORTH 12 DEG. 16 MIN. 00 SEC. EAST, 78.16 FEET TO ITS INTERSECTION WITH THE ABOVE MENTIONED SOUTHEASTERLY BOUNDARY OF FULLER ROAD; THENCE ALONG SAID SOUTHEASTERLY BOUNDARY, ALONG A CURVE TO THE RIGHT OF RADIUS 3,779.72 FEET, AN ARC DISTANCE OF 501.65 FEET, TO THE POINT OR PLACE OF BEGINNING (THE CHORD FOR THE ABOVE DESCRIBED CURVE BEING, NORTH 41 DEG. 19 MIN. 10 SEC. EAST, 501.28 FEET) CONTAINING 15.72± ACRES OF LAND

Note: the above description describes the same property as in schedule A of title commitment No.NTA–A–120070 of Stewart Title Insurance Company, bearing an effective date of 4/12/2012

Note: the above Record Description fails to mathematically close with an error of 310.92'.

LEGEND

R.O.W.	RIGHT OF WAY	⊡	MONUMENT
No.	NUMBER	○	IRON ROD
enc.	ENCROACHMENT	MH ◯	MANHOLE
P.O.B.	POINT OF BEGINNING	⊞	CATCHBASIN
S.F.	SQUARE FEET	⊸	SIGN
N/F	NOW OR FORMERLY	●	BOLLARD
Ft.	FEET	—x—	FENCE LINE
Deg.	DEGREE		GUARD RAIL
R	RECORD	—G—	OVERHEAD WIRE, UTILITY POLE & GUY WIRE
M	MEASURED	⬅	TRAFFIC FLOW ACCESS AREA
N	NORTH	⊗WV	WATER VALVE
S	SOUTH	⊗PIV	POST INDICATOR VALVES
E	EAST	⊗GV	GAS VALVE
W	WEST	○—	STREET LIGHT
tel.	TELEPHONE	MW–32 Ⓜ	ENVIRONMENTAL MONITOR WELL
elec.	ELECTRIC	RW–R6 Ⓡ	RECOVERY WELL
L.	LIBER	Ⓥ	VAPOR EXTRACTION WELL
P.	PAGE		STONE
	CITY LINE		GRAVEL
	SITE LIMIT LINE		DIRT
	PAVEMENT		
	CONCRETE		

GENERAL NOTES

1. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209–2, OF THE NEW YORK STATE EDUCATION LAW.

2. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH THE LAND SURVEYOR'S SIGNATURE AND AN ORIGINAL EMBOSSED OR INK SEAL SHALL BE CONSIDERED VALID TRUE COPIES.

3. THIS SURVEY WAS PREPARED FOR THE PARTIES AND PURPOSE INDICATED HEREON. ANY EXTENSION OF THE USE BEYOND THE PARTIES OR PURPOSE INDICATED IS EXPRESSLY FORBIDDEN WITHOUT WRITTEN RELEASE OR PERMISSION FROM FRANCIS G. McCLOSKEY, LICENSE No. 049441.

4. SURSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT SURVEYED OR EXAMINED OR CONSIDERED AS PART OF THIS SURVEY.

5. THIS SURVEY MAP IS SUBJECT TO WHATEVER FACTS AN ACCURATE AND CURRENT ABSTRACT OF TITLE MAY SHOW.

6. ABSTRACT OF TITLE PROVIDED BY STEWART TITLE INSURANCE COMPANY, TITLE No.NTA–A–120070, EFFECTIVE DATE 4/12/2012.

7. SPOT ELEVATIONS AND CONTOURS ARE BASED ON NAVD88 DATUM.

8. UNDERGROUND UTILITIES SHOWN ARE TAKEN FROM FIELD LOCATION WHERE POSSIBLE AND FROM RECORD DATA. THEIR EXACT LOCATION IN THE FIELD MAY DIFFER FROM THAT SHOWN HEREIN AND ADDITIONAL UTILITIES MAY EXIST. CALL DIG SAFELY NEW YORK AT 1–800–962–7962 TO HAVE UTILITIES MARKED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION.

9. THERE IS NO OBSERVABLE EVIDENCE OF CEMETERIES, EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS WITHIN RECENT MONTHS ON SUBJECT PARCEL.

10. THERE IS NO OBSERVABLE EVIDENCE OF SUBJECT PARCEL BEING USED AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.

11. THERE IS NO VISIBLE EVIDENCE OF UNUSUAL SUBSURFACE MATTERS SUCH AS , BUT NOT LIMITED TO, CONDEMNATION BY THE EPA OR FAA BUILDING HEIGHT RESTRICTION ON SUBJECT PARCEL.

MAP REFERENCES

1. A MAP ENTITLED "SURVEY OF A PORTION OF LANDS OF THE CITY OF ALBANY TO BE CONVEYED TO STAR TEXTILE AND RESEARCH, INC." MADE BY C.T. MALE ASSOCIATES, P.C., DATED APRIL 25, 1985, LAST REVISED 2/10/2004.

2. NEW YORK STATE DEPARTMENT OF TRANSPORTATION MAP FOR CONVEYANCE MAP 524 PARCEL 642, 643, 644, MAP 541 PARCEL 665, MAP 545–C PARCEL 670

PARKING TABLE

REGULAR PARKING	89
HANDICAPPED PARKING	0
TOTAL PARKING SPACES	89

ZONING INFORMATION

C–M DISTRICT
LIGHT INDUSTRIAL DISTRICT

MIN. FRONT YARD	20 FEET
MIN. SIDE YARD	10 FEET ON ONE SIDE MINIMUM OF 30 FEET ON BOTH SIDES
MIN. REAR YARD	20 FEET
MAX. BUILDING HEIGHT	55 FEET
MAX. LOT COVERAGE	50%

ZONING INFORMATION ADOPTED FROM:
CODE OF THE CITY OF ALBANY VOLUME II
ARTICLE XI SECTION 375–75

TAX MAP PARCEL INFORMATION

THE TAX MAP NUMBER FOR THE PARCEL WAS CHANGED IN 2011 WHEN THE SURROUNDING AREA WAS COMBINED INTO WHAT IS NOW KNOWN AS TAX MAP 53.00. SUBJECT PARCEL TAX ID NUMBER WAS CHANGED FROM THE DEFUNCT TAX MAP NUMBER 52.8–2–1 TO THE EXISTING TAX MAP NUMBER 053.00–1–47 WHEN THE MULTIPLE TAX MAPS WERE COMBINED.

SURVEYOR'S CERTIFICATE

TO: **1. THE PEOPLE OF THE STATE OF NEW YORK ACTING THROUGH ITS COMMISSIONER OF THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (2) STEWART 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 "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2011, ITEMS 1, 2, 3, 4, 6(a), 7(a), 7(b)(1), 8, 9, ,11(a), 11(b), 13, 16, 17, 18 OF TABLE A THEREOF, PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA AND ACSM 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 RELATIVE POSITIONAL ACCURACY OF THIS SURVEY DOES NOT EXCEED THAT WHICH IS SPECIFIED THEREIN.

DATE: 3/17/2012

SIGNED: _____ Registration No. 49441

STATE OF NEW YORK · FRANCIS G. McCLOSKEY · No. 049441 · LICENSED LAND SURVEYOR

FLOOD NOTE: By graphic plotting only, this property is in Zone(s) C of the Flood Insurance Rate Map, Community Panel No. 360010 0002 C which bears an effective date of APRIL 15, 1980 and is not in a Special Flood Hazard Area. By telephone call dated 3/29/2012 to the National Flood Insurance Program (800–638–6620) we have learned this community does/~~does not~~ currently participate in the program. No field surveying was performed to determine this zone and an elevation certificate may be needed to verify this determination or apply for a variance from the Federal Emergency Management Agency.

ZONE "C" AREA OF MINIMAL FLOODING

GRAPHIC SCALE

60 0 9.14 METERS 30 18.29 METERS 60 36.58 METERS 120 73.15 METERS 240

(IN FEET)
1 inch = 60 ft.

ENVIRONMENTAL EASEMENT AREA ACCESS

THE DEC OR THEIR AGENT MAY ACCESS THE ENVIRONMENTAL EASEMENT AREA AS SHOWN HEREON THROUGH ANY EXISTING STREET ACCESS OR BUILDING INGRESS/EGRESS ACCESS POINT

THIS ENGINEERING AND INSTITUTIONAL CONTROLS for the Easement are set forth in more detail 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 may be obtained from the New York State Department of Enviornmental Conservation, Division of Enviornmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12203 or at derweb@gw.dec.state.ny.us.

ENGINEERING/INSTITUTIONAL CONTROLS

LAND USE – The use and development of the site is limited to Commercial and Industrial uses only.

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.

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203
Ph. (518) 459–3096
Fax (518) 459–5683
E–mail: hhershberg@aol.com

ALTA/ACSM LAND TITLE SURVEY

MAP SHOWING LOCATION OF BUILDINGS AND IMPROVEMENTS WITH REFERENCE TO PROPERTY LINES OF

No.136 FULLER ROAD
BCP SITE #C401055

CITY OF ALBANY, TOWN OF GUIDERLAND, COUNTY OF ALBANY, STATE OF NEW YORK

REVISIONS: *3/4/2013 (REVISED ENVIRONMENTAL EASEMENT AREA DESCRIPTION)*

DATE:3/17/2012 | SCALE:1"=60' | BY:AVC | CHK:GRT | MAP No.:120036

Appendix B:

Digital Copy of the FER (CD)

and

B-1 Progress Reports

B-2 CAMP Field Data

B-3 Waste Manifests

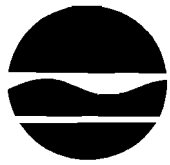
B-4 DUSR for Pre-IRM Soil and Groundwater Samples

B-5 Raw Laboratory Data

Appendix C:

Agency Approvals

New York State Department of Environmental Conservation
Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, New York 12306-2014
Phone: (518) 357-2045 • **Fax:** (518) 357-2398
Website: www.dec.ny.gov



Alexander B. Grannis
Commissioner

June 18, 2010

Mr. Kim L. Baines, LEP
Regional Manager - New York Operations |
Corporate Environmental Advisors, Inc.
950 New Loudon Road
Latham, New York 12110

Re: 136 Fuller Road Site, Albany (C),
Albany County, Site No. C401055

Dear Mr. Baines:

The New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) have reviewed the Final Remedial Investigation and Alternatives Analysis Report (RI/AAR) Work Plan submitted June 16, 2010 for the above referenced Brownfield Cleanup Program (BCP) site. The RI/AAR Work Plan is hereby approved.

If you have any questions, please feel free to contact me at (518) 357-2145 or bxbrown@gw.dec.state.ny.us.

Sincerely,

Bradley Brown
Engineering Geologist
Region 4 Headquarters
Division of Environmental Remediation

cc: A. Meader, Chazen Companies
E. Hoe, Fuller Partners LLC
K. Young, Young, Sommer...LLC
C. O'Neill, DEC Reg 4

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B, 12th Floor
625 Broadway, Albany, New York 12233-7016
Phone: (518) 402-9768 • **Fax:** (518) 402-9773
Website: www.dec.ny.gov

Joe Martens
Commissioner

March 30, 2011

Kim L. Baines, LEP
NY Regional Manager
Corporate Environmental Advisors, Inc.
950 New Loudon Road, Suite 340
Latham, NY 12110

Arlette St. Romain Meader
Senior Environmental Scientist/Project Manager
The Chazen Companies
547 River Street, Troy, NY 12180

Re: 136 Fuller Road Site
Brownfield Cleanup Program
NYSDEC BCP Site No. C401055
Albany County, New York
SSDS IRM Design Report Approval

Dear Mr. Baines/Ms. St. Romain Meader:

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) have reviewed the *Sub-Slab Depressurization System Design Report* dated February 2011 by Chazen Companies for the 136 Fuller Road BCP Site in Albany, New York. Based on this review, the SSDS Design Report is hereby approved.

This report presents the results of pilot testing on eight vapor extraction wells (VEW) including the radius of influence of each VEW and concludes in a recommended SSDS design. Following the installation of the SSDS, the deliverable for this IRM will be a Construction Completion Report for NYSDEC and NYSDOH review/approval.

Should you have any questions, please contact me at (518) 402-9768.

Sincerely,

John Durnin, P.E.
Environmental Engineer 2
Remedial Bureau B, Section B
Division of Environmental Remediation

cc: J. Quinn, DER, RBB, M. Schuck, NYSDOH

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B, 12th Floor
625 Broadway, Albany, New York 12233-7016
Phone: (518) 402-9768 • **Fax:** (518) 402-9773
Website: www.dec.ny.gov

Joe Martens
Commissioner

March 22, 2011

Kim L. Baines, LEP
NY Regional Manager
Corporate Environmental Advisors, Inc.
950 New Loudon Road, Suite 340
Latham, NY 12110

Arlette St. Romain Meader
Senior Environmental Scientist/Project Manager
The Chazen Companies
547 River Street, Troy, NY 12180

Re: 136 Fuller Road Site
Brownfield Cleanup Program
NYSDEC BCP Site No. C401055
Albany County, New York
HVE/SVE IRM Design Work Plan Approval

Dear Mr. Baines/Ms. St. Romain Meader:

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) have reviewed the *Interim Remedial Measures Work Plan – High Vacuum Extraction/Soil Vapor Extraction* dated December 2010 by Chazen Companies for the 136 Fuller Road BCP Site in Albany, New York. Based on this review, the IRM Work Plan is hereby approved.

For the source area, this IRM Work Plan includes groundwater/DNAPL extraction and treatment via high vacuum extraction (HVE) coupled with soil vapor extraction (SVE). If required, to address the groundwater plume, a second phase of this IRM will utilize in-situ chemical or biological treatment. Deliverables for this IRM Work Plan include the submission of a detailed Design Report and an IRM Construction Completion Report for NYSDEC and NYSDOH review/approval.

Should you have any questions, please contact me at (518) 402-9768.

Sincerely,

P.E.

John Durnin, P.E.
Environmental Engineer 2
Remedial Bureau B, Section B
Division of Environmental Remediation

ecc: J. Quinn, DER, RBB, B. Callaghan, NYSDOH

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B, 12th Floor
625 Broadway, Albany, New York 12233-7016
Phone: (518) 402-9768 • **Fax:** (518) 402-9773
Website: www.dec.ny.gov

Joe Martens
Commissioner

May 20, 2011

Arlette St. Romain Meader
Senior Environmental Scientist/Project Manager
The Chazen Companies
547 River Street, Troy, NY 12180

Kim L. Baines, LEP
NY Regional Manager
Corporate Environmental Advisors, Inc.
950 New Loudon Road, Suite 340
Latham, NY 12110

Re: 136 Fuller Road Site
Brownfield Cleanup Program
NYSDEC BCP Site No. C401055
Albany County, New York
IRM HVE/SVE Design Report Approval

Dear Ms. St. Romain Meader/ Mr. Baines:

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) have reviewed the *Interim Remedial Measures Design Report, High Vacuum Extraction/Soil Vapor Extraction,* dated May 2011 by the Chazen Companies for the 136 Fuller Road BCP Site in Albany, New York. Based on this review, this IRM HVE/SVE Design Report is hereby approved.

For the source area, this IRM includes groundwater/DNAPL extraction and treatment via high vacuum extraction (HVE) coupled with soil vapor extraction (SVE). If required, to address the groundwater plume, a second phase of this IRM will utilize in-situ chemical or biological treatment. Deliverables for this design include the submission of an IRM Construction Completion Report for NYSDEC and NYSDOH review/approval.

Should you have any questions, please contact me at (518) 402-9768.

Sincerely,

P.E.

John Durnin, P.E.
Environmental Engineer 2
Remedial Bureau B, Section B
Division of Environmental Remediation

ecc: J. Quinn, DER, RBB, M. Schuck, NYSDOH

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B, 12th Floor
625 Broadway, Albany, New York 12233-7016
Phone: (518) 402-9768 • **Fax:** (518) 402-9773
Website: www.dec.ny.gov

Joe Martens
Commissioner

March 21, 2012

Arlette St. Romain Meader
Senior Environmental Scientist/Project Manager
The Chazen Companies
547 River Street, Troy, NY 12180

Re: 136 Fuller Road Site
Brownfield Cleanup Program
NYSDEC BCP Site No. C401055
Albany County, New York
SSDS Construction Completion Report Approval Letter

Dear Ms. St. Romain Meader:

The New York State Department of Environmental Conservation and the New York State Department of Health have reviewed the *Sub-Slab Depressurization System Construction Completion Report,* dated September 2011 by the Chazen Companies for the 136 Fuller Road BCP Site in Albany, New York. This report contains the approved *Sub-Slab Depressurization System Operation, Maintenance and Monitoring Plan*, dated February 2012. Based on this review, this report is approved.

Should you have any questions, please contact me at (518) 402-9768.

Sincerely,

P.E.

John Durnin, P.E.
Environmental Engineer 2
Remedial Bureau B, Section B
Division of Environmental Remediation

ecc: J. Quinn, DER, RBB
M. Schuck, NYSDOH
K. Baines

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B, 12th Floor
625 Broadway, Albany, New York 12233-7016
Phone: (518) 402-9768 • **Fax:** (518) 402-9773
Website: www.dec.ny.gov

Joe Martens
Commissioner

March 20, 2012

Arlette St. Romain Meader
Senior Environmental Scientist/Project Manager
The Chazen Companies
547 River Street, Troy, NY 12180

Re: 136 Fuller Road Site
Brownfield Cleanup Program
NYSDEC BCP Site No. C401055
Albany County, New York
SSDS O M&M Plan Approval

Dear Ms. St. Romain Meader:

The New York State Department of Environmental Conservation and the New York State Department of Health have reviewed the revised *Sub-Slab Depressurization System Operation, Maintenance and Monitoring Plan,* dated February 2012 by the Chazen Companies for the 136 Fuller Road BCP Site in Albany, New York. Based on this review, this plan is approved.

Should you have any questions, please contact me at (518) 402-9768.

Sincerely,

P.E.

John Durnin, P.E.
Environmental Engineer 2
Remedial Bureau B, Section B
Division of Environmental Remediation

ecc: J. Quinn, DER, RBB
M. Schuck, NYSDOH
K. Baines

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B, 12th Floor
625 Broadway, Albany, New York 12233-7016
Phone: (518) 402-9768 • **Fax:** (518) 402-9773
Website: www.dec.ny.gov

Joe Martens
Commissioner

February 6, 2013

Arlette St. Romain Meader
Senior Environmental Scientist/Project Manager
The Chazen Companies
547 River Street, Troy, NY 12180

Re: 136 Fuller Road Site
Brownfield Cleanup Program
NYSDEC BCP Site No. C401055
Albany County, New York
HVE/SVE CCR Approval Letter

Dear Ms. St. Romain Meader:

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health have reviewed the *HVE/SVE System Construction Completion Report,* dated February 2013 by the Chazen Companies for the 136 Fuller Road BCP Site in Albany, New York. Based on this review, the HVE/SVE CCR is approved.

Should you have any questions, please contact me at (518) 402-9768.

Sincerely,

P.E.

John Durnin, P.E.
Environmental Engineer 2
Remedial Bureau B, Section B
Division of Environmental Remediation

ecc: J. Quinn, DER, RBB
M. Schuck, NYSDOH
K. Baines
E. Hoe
K. Sommer
L. Peritz

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B, 12th Floor
625 Broadway, Albany, New York 12233-7016
Phone: (518) 402-9768 • **Fax:** (518) 402-9773
Website: www.dec.ny.gov

Joe Martens
Commissioner

February 6, 2013

Arlette St. Romain Meader
Senior Environmental Scientist/Project Manager
The Chazen Companies
547 River Street, Troy, NY 12180

Re: 136 Fuller Road Site
Brownfield Cleanup Program
NYSDEC BCP Site No. C401055
Albany County, New York
HVE/SVE OM&M Plan
Approval Letter

Dear Ms. St. Romain Meader:

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health have reviewed the *High Vacuum Extraction (HVE) System/Soil Vapor Extraction (SVE) System Operation, Maintenance, and Monitoring Plan,* dated February 2013 by the Chazen Companies for the 136 Fuller Road BCP Site in Albany, New York. Based on this review, the HVE/SVE OM&M Plan is approved.

Should you have any questions, please contact me at (518) 402-9768.

Sincerely,

P.E.

John Durnin, P.E.
Environmental Engineer 2
Remedial Bureau B, Section B
Division of Environmental Remediation

ecc: J. Quinn, DER, RBB
M. Schuck, NYSDOH
K. Baines
E. Hoe
K. Sommer
L. Peritz

Appendix D:

Environmental Easement

Albany County Clerk
16 Eagle St. Rm 128
Albany, NY 12207

Receipt

Issued to: FULLER PARTNERS
Receipt #759628

Issued: 04/15/2013 at 12:16 PM

Operator: CS

Document# 11374449 - Deed, Easement		
Cover Page		5.00
Cultural Ed		14.25
Easement		100.00
Record Mgt		4.75
Surcharge Ret		1.00
TP 584		5.00
Trans Tax		.00
Sub-total:		130.00
Document# 11374450 - Deed, Easement		
Cover Page		5.00
Cultural Ed		14.25
Easement		75.00
Record Mgt		4.75
Surcharge Ret		1.00
TP 584		5.00
Trans Tax		.00
Sub-total:		105.00
Document# 11374451 - Map		
Maps		10.00
Sub-total:		10.00
Check 24684(YOUNG SOMMER WA)		245.00
Total:	**$**	**245.00**

Thomas G. Clingan, County Clerk

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 10th day of APRIL, 2013 between Owner(s) FULLER PARTNERS LLC, having an office at 1133 State Route 295, East Chatham, New York 12060, (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233.

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 136 Fuller Road in the City of Albany, County of Albany and State of New York, known and designated on the tax map of the County Clerk of Albany as tax map parcel numbers: Section 53.00 Block 1 Lot 47, being the same as that property conveyed to Grantor by deed dated December 21, 2006 and recorded in the Albany County Clerk's Office in Book 2870 at Page 18. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 15.56 +/- acres, and is hereinafter more fully described in the Land Title Survey dated March 17, 2012 and revised on March 4, 2013 prepared by Hershberg & Hershberg Consulting Engineers and Land Surveyors, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: A4-0618-02-09 and Amended Brownfield Cleanup Agreement Index Number: 1, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Albany County department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

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 Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved b the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5 the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be

defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C401055
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of

this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Grantor: FULLER PARTNERS LLC

By: _____

Print Name: Edward L. Hoe

Title: Manager Date: 3/6/2013

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF)

On the 6th day of March, in the year 2013, before me, the undersigned, personally appeared Edward L. Hoe, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Mary Dezell Mack
Notary Public - State of New York

Mary Dezell Mack
Notary Public, State of New York
No. 31-5025612
Qualified in Columbia County
Commission Expires April 4, 2014

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 10 day of April, in the year 2014, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2014

SCHEDULE "A" ENVIRONMENTAL EASEMENT
PROPERTY DESCRIPTION

Address of Property: 136 Fuller Road, City and County of Albany, State of New York

Tax Map Number: 53.00-1-47

LEGAL DESCRIPTION
ENVIRONMENTAL EASEMENT
No.136 FULLER ROAD
BCP SITE #C401055
CITY OF ALBANY, COUNTY OF ALBANY, STATE OF NEW YORK

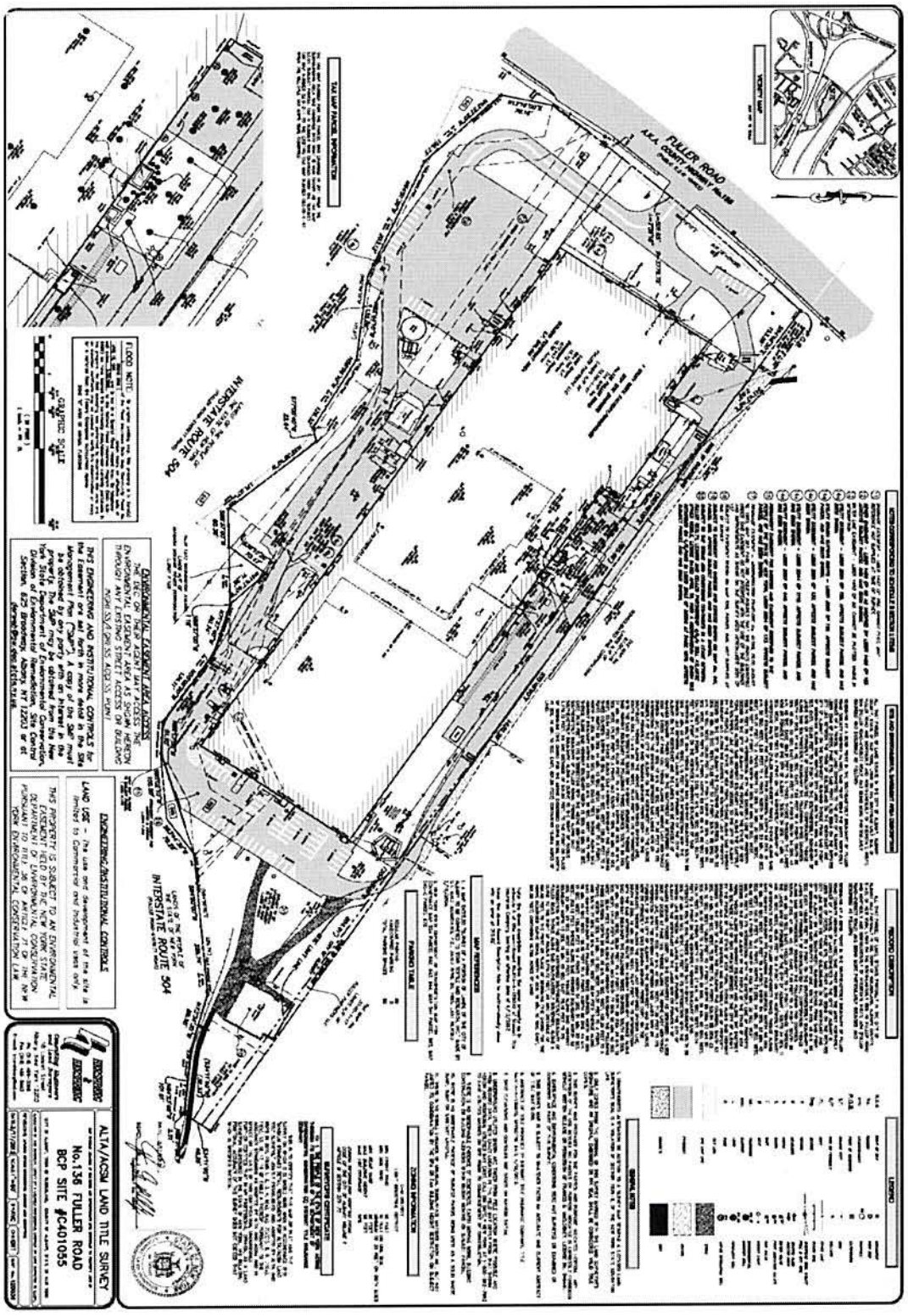
ALL THAT PARCEL OF LAND SITUATE IN THE CITY OF ALBANY, ALBANY COUNTY, STATE OF NEW YORK, LYING ON THE SOUTHEASTERLY SIDE OF FULLER ROAD AND NORTHERLY AND NORTHEASTERLY OF INTERSTATE ROUTE 504 (FULLER ROAD-EVERETT ROAD) AND BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A BEND POINT IN THE SOUTHEASTERLY BOUNDARY OF FULLER ROAD (COUNTY HIGHWAY No.156), SAID POINT BEING THE MOST NORTHERLY CORNER OF A PARCEL OF LAND CONVEYED TO THE CITY OF ALBANY IN LIBER 2046 OF DEEDS, PAGE 679, SAID POINT ALSO BEING ON THE REPUTED CITY LINE BETWEEN THE TOWN OF GUILDERLAND ON THE NORTHEAST AND CITY OF ALBANY ON THE SOUTHWEST; RUNNING THENCE FROM SAID POINT OF BEGINNING ALONG SAID REPUTED CITY LINE. SOUTH 54 DEG. 48 MIN. 50 SEC. EAST, 153.89 FEET TO A POINT ON THE SOUTHWESTERLY BOUNDARY OF LANDS NOW OR FORMERLY OF CONSOLIDATED RAIL CORPORATION; THENCE ALONG SAID SOUTHWESTERLY BOUNDARY THE FOLLOWING THREE COURSES: SOUTH 41 DEG. 47 MIN. 40. SEC. EAST, 7.93 FEET TO A POINT; SOUTH 55 DEG. 48 MIN. 00 SEC. EAST, 565.49 FEET TO A POINT: SOUTH 54 DEG. 43 MIN. 49 SEC. EAST, 854.91 FEET TO A POINT; THENCE THROUGH THE LANDS NOW OR FORMERLY OF THE CITY OF ALBANY , SOUTH 34 DEG. 11 MIN. 40 SEC. WEST, 32.33 FEET TO A POINT ON THE NORTHERLY BOUNDARY OF INTERSTATE ROUTE 504 (FULLER ROAD-EVERETT ROAD); THENCE ALONG SAID HIGHWAY BOUNDARY THE FOLLOWING FOUR COURSES: NORTH 68 DEG. 51 MIN. 20 SEC. WEST, 2.51 FEET TO A POINT; NORTH 84 DEG. 23 MIN. 40 SEC. WEST, 101.01 FEET TO A POINT; NORTH 73 DEG. 34 MIN. 30 SEC. WEST, 89.55 FEET TO A POINT; AND NORTH 84 DEG. 50 MIN. 00 SEC. WEST, 225.74 FEET TO ITS INTERSECTION WITH THE EASTERLY LINE OF PROPERTY DEEDED TO THE CITY OF ALBANY BY THE PEOPLE OF THE STATE OF NEW YORK; THENCE ALONG SAID HIGHWAY BOUNDARY AND ALONG THE EASTERLY AND SOUTHERLY LINE OF SIAD PREMISES DEEDED TO THE CITY OF ALBANY BY THE PEOPLE OF THE STATE OF NEW YORK, THENCE ALONG SAID HIGHWAY BOUNDARY AND ALONG THE EASTERLY AND SOUTHERLY LINE OF PROPERTY DEEDED TO THE CITY OF ALBANY THE FOLLOWING FIVE COURSES; SOUTH 53 DEG. 44 MIN. 30 SEC. WEST, 70.28 FEET TO A POINT; SOUTH 85 DEG. 02 MIN. 10 SEC. WEST, 105.50 FEET TO A POINT; NORTH 86 DEG. 17 MIN 50 SEC. WEST, 51.10 FEET TO A POINT; NORTH 55 DEG. 06 MIN. 50 SEC. WEST, 134.11 FEET TO A POINT;

NORTH 71 DEG. 27 MIN. 40 SEC. WEST. 80.74 FEET TO A POINT ON THE NORTHERLY HIGHWAY BOUNDARY OF SAID INTERSTATE ROUTE 504; THENCE ALONG SAID HIGHWAY BOUNDARY SOUTH 88 DEG. 37 MIN. 00 SEC. WEST, 1.18 FEET TO ITS INTERSECTION WITH THE DIVISION LINE BETWEEN THE LANDS NOW OR FORMERLY OF THE CITY OF ALBANY ON THE NORTHEAST AND THE LANDS NOW OR FORMERLY OF NIAGARA MOHAWK POWER CORP. ON THE SOUTHWEST AS DESCRIBED IN LIBER 2021 OF DEEDS AT PAGE 129; THENCE ALONG THE ABOVE LAST MENTIONED DIVISION LINE, NORTH 41 DEG. 47 MIN. 40 SEC. WEST, 71.36 FEET TO ITS INTERSECTION WITH THE DIVISION LINE BETWEEN SAID LANDS NOW OR FORMERLY OF THE CITY OF ALBANY ON THE NORTHWEST AND THE LANDS NOW OR FORMERLY OF SAID NIAGARA MOHAWK POWER CORP. ON THE SOUTHEAST; THENCE ALONG THE ABOVE LAST MENTIONED DIVISION LINE, SOUTH 38 DEG. 10 MIN. 20 SEC. WEST, 70.47 FEET TO ITS INTERSECTION WITH THE SAID INTERSTATE ROUTE 504 HIGHWAY BOUNDARY; THENCE ALONG SAID HIGHWAY BOUNDARY THE FOLLOWING THREE COURSES: SOUTH 88 DEG. 37 MIN. 00 SEC. WEST, 60.39 FEET TO A POINT; NORTH 38 DEG. 38 MIN. 10 SEC. WEST, 171.07 FEET TO A POINT; AND SOUTH 77 DEG. 05 MIN. 40 SEC. WEST, 22.64 FEET; THENCE ALONG SAID HIGHWAY BOUNDARY THE FOLLOWING THREE COURSES: NORTH 58 DEG. 56 MIN. 10 SEC. WEST, 126.32 FEET TO A POINT; NORTH 82 DEG. 44 MIN. 10 SEC. WEST, 135.09 FEET TO A POINT; NORTH 64 DEG. 51 MIN. 30 SEC. WEST, 203.12 FEET; THENCE ALONG SAID HIGHWAY BOUNDARY NORTH 42 DEG. 22 MIN. 20 SEC. WEST 156.73 FEET; THENCE ALONG SAID HIGHWAY BOUNDARY NORTH 12 DEG. 16 MIN. 00 SEC. EAST, 78.16 FEET TO ITS INTERSECTION WITH THE ABOVE MENTIONED SOUTHEASTERLY BOUNDARY OF FULLER ROAD; THENCE ALONG SAID SOUTHEASTERLY BOUNDARY, ALONG A CURVE TO THE RIGHT OF RADIUS 3,779.72 FEET, AN ARC DISTANCE OF 501.65 FEET, TO THE POINT OR PLACE OF BEGINNING (THE CHORD FOR THE ABOVE DESCRIBED CURVE BEING, NORTH 41 DEG. 19 MIN. 10 SEC. EAST, 501.28 FEET) CONTAINING 15.56± ACRES OF LAND.

Date: 8/14/2012
Revised: 3/4/2013
Job No.2012-0036
File: S:/docs/tony/120036-EE

SURVEY


FULLER ROAD
A.K.A. COUNTY HIGHWAY No.135
INTERSTATE ROUTE 90A
INTERSTATE ROUTE 90
ENVIRONMENTAL EASEMENT AREA ACCESS
ENGINEERING/INSTITUTIONAL CONTROLS
LAND USE - The use and development of the site is limited to Commercial and Industrial uses only.
ALTA/ACSM LAND TITLE SURVEY
No.136 FULLER ROAD
BCP SITE #C401055

Appendix E-1:

SSDS Photographs

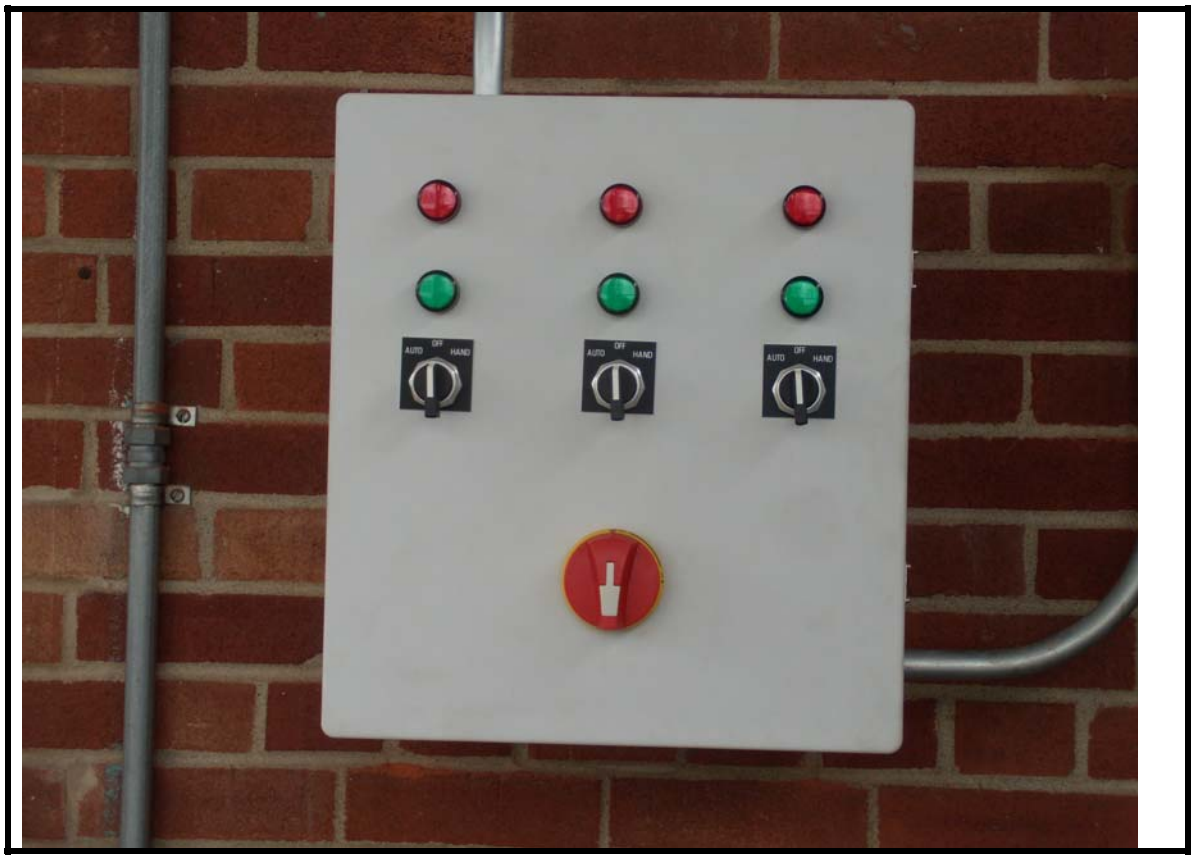


Photo #1
Description: SSDS Blower control panel

Photo #2
Description: SSDS Blower inlet filter

Photo #3
Description: SSDS roof-mounted blowers and discharge stacks

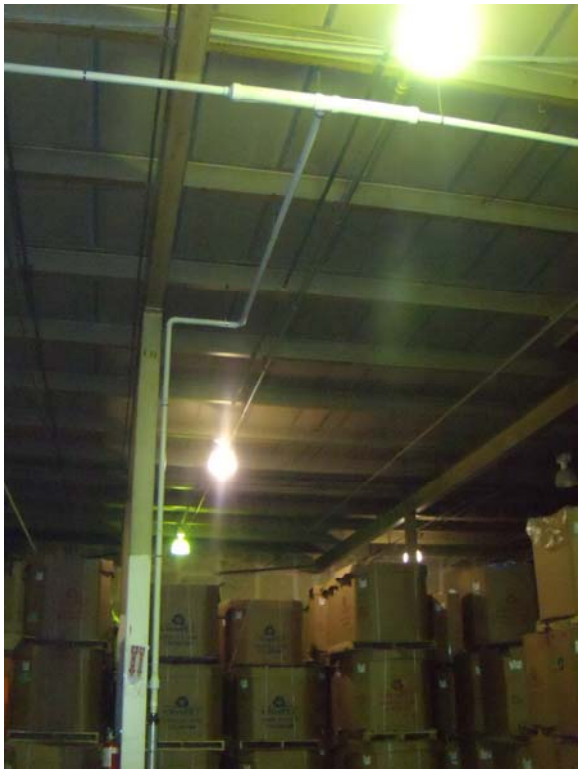


Photo #4
Description: SSDS overhead mounting system and manifold connection. View of VEW-7.

Appendix E-2:

HVE/SVE Photographs


Recovery Well
Pitless Adapter
Trench Piping
Adapter
Pipe Trench

Photo 1

Photo 2


Recovery Well
Recovery Well
Recovery Well
Recovery Well
Piping Trench
Piping Trench
Piping Trench
Piping Trench

Photo 3


Vapor Discharge
Stack
System Controls
HVE/SVE Remediation Trailer
Extraction Wells

Photo 4


Stack Pipes
PLC
System
Controls
Pump
Controls
Electric
Load
Center
HVE/SVE
Piping
Manifold
Box

Photo 5

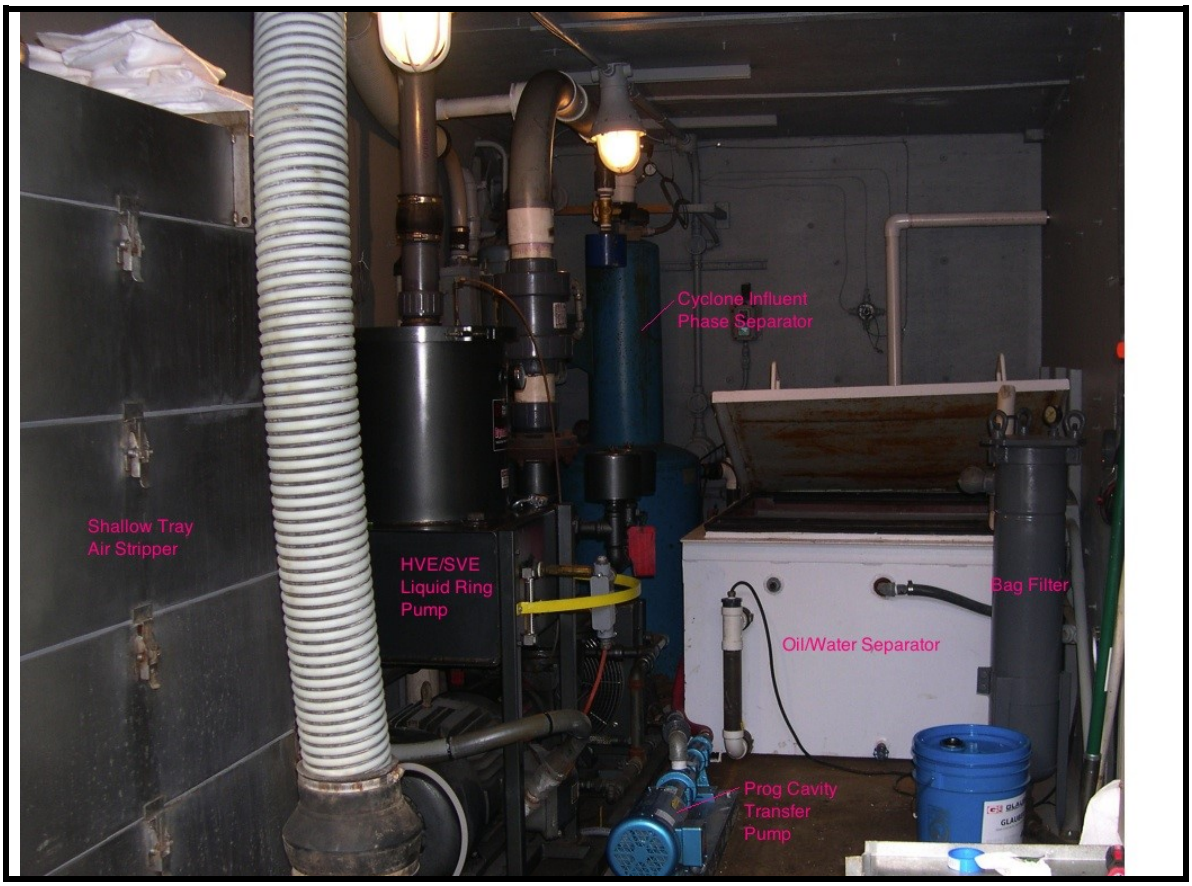

Cyclone Influent
Phase Separator
Shallow Tray
Air Stripper
HVE/SVE
Liquid Ring
Pump
Bag Filter
Oil/Water Separator
Prog Cavity
Transfer
Pump

Photo 6

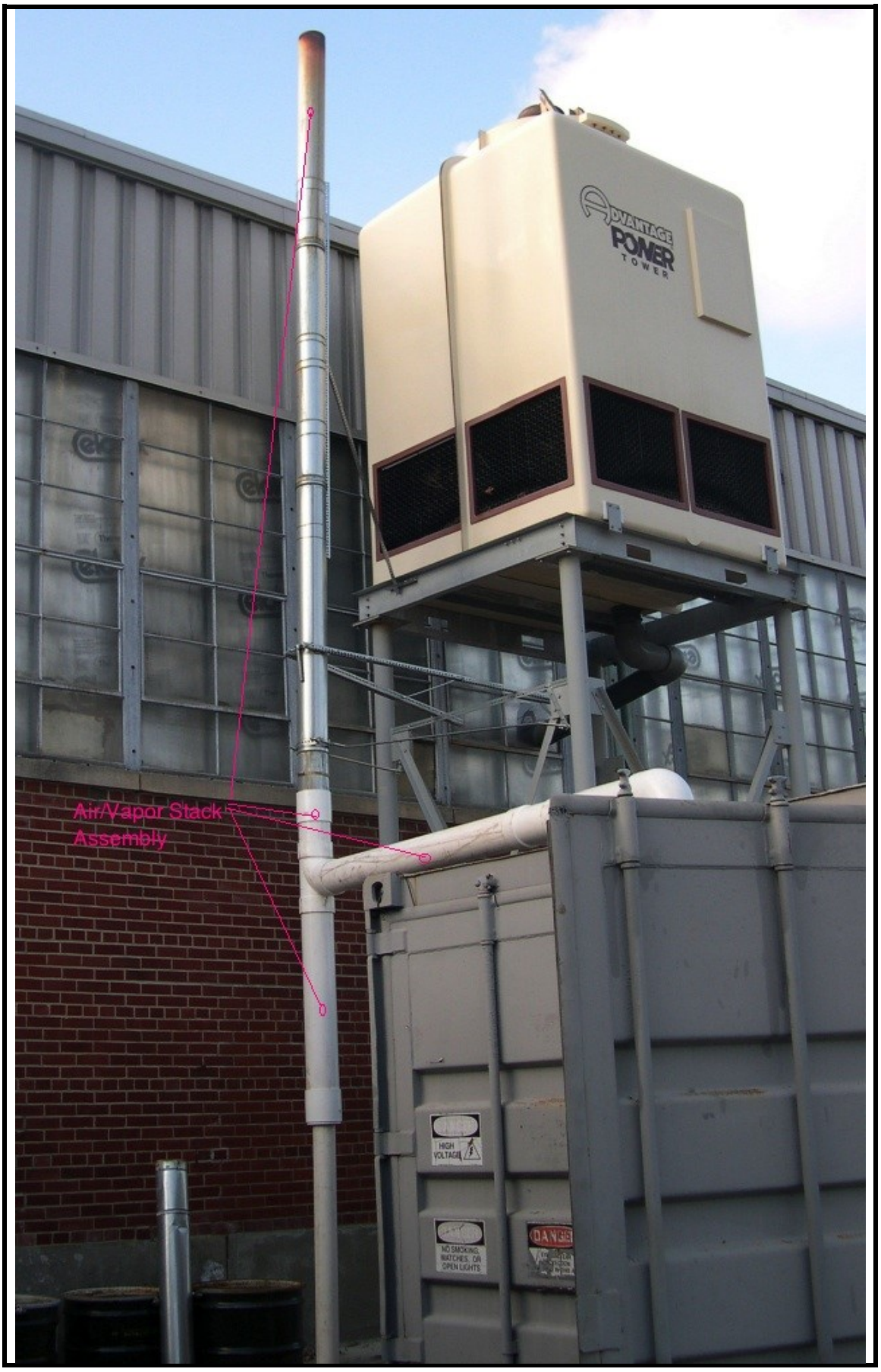

ADVANTAGE
POWER
TOWER
Air/Vapor Stack
Assembly
HIGH
VOLTAGE
NO SMOKING,
MATCHES, OR
OPEN LIGHTS
DANGER

Photo 7