SITE MANAGEMENT PLAN
8-28 WARD STREET SITE
INDEX #B8-0566-99-10
SITE #C828136

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1.0 Introduction

1.1 Purpose

This Site Management Plan (SMP) has been developed at the request of Germanow-Simon Corporation (Germanow-Simon) and pertains to the 8-28 Ward Street Site (Site) located in the City of Rochester, Monroe County, New York (Figure 1). It has been developed to assist Germanow-Simon's contractors and designers in continuing the operation ~~planning for the operation~~ of the Multi-Phase Vacuum Extraction System (MPVE) (if deemed necessary) and any subsequent development work at the Site. It will accomplish this by describing the methods and procedures for monitoring, management and characterization of any materials and groundwater containing contaminants that may be encountered during subsurface activities at the Site.

New York State Department of Environmental Conservation (NYSDEC) regulates hazardous waste or non-hazardous solid waste as set forth in 6 NYCRR Parts 371-376 and 6 NYCRR Part 360. Proper management will require that care be taken in planning, monitoring and characterizing the waste soil/fill materials and water generated at the Site to confirm their hazardous or non-hazardous status and allow for proper off-site disposal in compliance with all applicable laws. Alternatively, with NYSDEC's prior approval, some of those wastes may be relocated and placed on-site.

This SMP provides guidance for planning and performing such monitoring, testing and management of excavated soil/fill materials or groundwater that may be encountered at the Site, whether returned to the excavation, placed elsewhere on-site or sent off-site for disposal in compliance with applicable law.

As required in the Engineering Certification, the Site Management Plan contains and/or refers to documents that identify use restrictions, institutional controls, engineering controls and and/or operation and maintenance requirements. The applicable use restriction, institutional controls, and engineering controls for the 8-28 Ward Street Site are discussed in Section 2, subsections A through E of the Environmental Easement contained in Appendix C.

1.2 Background

The Site, owned by Germanow-Simon, is a 1.2 acre parcel located at the corner of Ward Street and Emmett Street. The current and proposed future use of the Site is for commercial/industrial purposes. At present, the Site is occupied by an asphalt-paved parking lot. A narrow, unpaved strip with lawn and trees borders the east and south edges of the parking lot. Germanow-Simon and its affiliated companies currently employ approximately 85 individuals at its manufacturing facility located on the adjacent Ward Street Site. Germanow-Simon and its affiliated companies produce bimetal thermometers, plastic optics, and gauge and watch crystals.

Germanow-Simon factory buildings, located at 376-378 St. Paul Street, 388-392 St. Paul Street, and 19-23 Emmett Street, are located on adjacent property to the west and north of the Site. A parking lot, located at 398-402 St. Paul Street, is located to the northwest of the Site. Baseball and football playing fields for an elementary school are located across Emmett Street, at 455 North Clinton Avenue, opposite the northern corner of the Site. Residential townhouses are located at 405-433 North Clinton Avenue across Emmett Street to the east of the Site, and at 360 St. Paul Street across Ward Street south of the Site. To the southwest, at 360 St. Paul Street, is St. Simon's Terrace, a residential high rise building located at the corner of Ward Street and St. Paul Street. Further to the southwest beyond St. Paul Street is a city park overlooking the High Falls of the Genesee River gorge. The nearest residential buildings are located approximately 65 feet to the east of the Site across Emmett Street and south-southeast of the Site across Ward Street. The gorge of the Genesee River is located approximately 475 feet southwest of the Site across St. Paul Street.

The remedial investigation determined that impacted sub-surface soils requiring remedial measures are located in the area of MW-23 and MW-23R. The remedial investigation results indicate that the primary sources of contamination do not appear to be present on the Site. The data indicate that the on-Site contamination is more related to off-Site sources of contamination present to the north, south and west. The remedial investigation also suggests that an apparent off-Site source of contamination is present in the Ward Street right-of-way downgradient to the south of the Site, and that this source has resulted in low-level impacts along the south Site boundary. The remedial investigation findings suggest that the source of the contamination encountered at MW-23 and MW-23R is probably located at or in the immediate vicinity of MW-23 and MW-23R.

1.3 Completed Environmental Investigation, Remedial Actions and Pilot Tests

Several environmental investigations have been completed at the Site since 2000. After acquiring the Site, Germanow-Simon entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation on October 4, 2006.

Copies of reports documenting the activities and findings of previous environmental investigations conducted at the Site were appended to Stantec's May 2, 2006 Remedial Investigation Work Plan. In addition, Stantec's February 15, 2008 Remedial Investigation Report documents activities and findings of the most recent environmental investigation conducted at the Site.

A multi phase vacuum extraction (MPVE) system was designed and implemented for the adjacent Ward Street Site (Site #C828117, Index #B8-0566-99-10) as per the Alternative Analysis Report and Remedial Work Plan (AAR/RWP) dated July 17, 2006. The AAR/RWP was approved by the Department in its August 31, 2006 letter following completion of the required 45-day public comment period, and presented in detail in the Department-approved Remedial Design Work Plan (RDWP) dated August 8, 2006. A Certificate of Completion was issued on December 22, 2006 for the

Ward Street Site following submission and approval of a Final Engineering Report (FER).

The MPVE system was installed on the Ward Street Site in August, September and October 2006, and operation of the MPVE system commenced on October 6, 2006. Between October 13 and 17, 2008, monitoring wells MW-23 and MW-23R associated with the 8-28 Ward Street Site were converted to extraction wells and were connected to the MPVE. Note that because the rate of VOC removal had reached an asymptomatic condition and pursuant to NYSDEC approval, the MPVE system was shut down on February 22, 2011 and has not been restarted since that time. The existing sub-slab depressurization system (SSDS) for the Building B Annex Area was turned on at the time the MPVE operation was suspended.

In November and December 2011 and November 2012, pursuant to NYSDEC approval, an enhanced reductive dechlorination polishing program was initiated to reduce residual contamination by VOCs in the subsurface. Monitoring of the effects of this polishing program is in progress.

Copies of select figures, summary tables of field screening, soil and groundwater analytical results, etc., from the remedial investigations conducted on the Site are attached to this SMP. Copies of the select soil boring logs for the Site are presented in Appendix A.

2.0 Development and Pre-Excavation Planning

2.1 Existing Information

MPVE operation and decommissioning ~~The full-scale MPVE,~~ as well as any future excavation and development activities~~,~~ have the potential to disturb environmental media and fill materials at the Site which contain low levels of chlorinated volatile organic contaminants (VOCs) as a result of off-Site sources of contamination present to the north, south and west. The planning and design of the MPVE took into account, and any future excavation activities must take into account~~, the~~ information from the previous investigations, documented subsurface contamination, and the intended location of proposed remediation construction/development. The NYSDEC-approved RDWP for the adjacent Ward Street Site to which a previously prepared SMP was appended already took into account these site-related considerations.

Future site development and excavation planning activities shall require prior approval by NYSDEC and the City of Rochester before proceeding. To this end, the Environmental Easement presented in Appendix C, which is acceptable to the NYSDEC has been recorded by Germanow-Simon, and the Site has been flagged by the City's Division of Environmental Quality in the City of Rochester Building Information System (BIS) in order to protect potential developers and establish proper management of construction activities prior to their commencement. This flagging provides an institutional control mechanism as required in the Engineering Certification. Further information regarding the BIS flagging system is provided in Section 8.0 of this report.

General Subsurface Conditions

Soils on the subject property are mapped in the Monroe County Soil Survey as Urban Land, which are areas that have been so altered or obscured by public works that identification of the soils is not feasible. These areas are commonly located in the older parts of the City of Rochester.

Based upon the subsurface investigations completed to date, the overburden soils beneath the Site include a few to several feet of inert fill material, which is composed of silt, sand and gravel with cinders and various building demolition debris, overlying upper and lower glacial till deposits. The 20 ft.-thick overburden sequence overlies dolomitic bedrock of the Upper Silurian Clinton Group. The uppermost bedrock unit is the Decew Dolostone which is comprised of a fine grained gray dolostone characterized by uneven, disturbed bedding features. The Decew is generally on the order of 6 to 16 feet thick in the Rochester area. The Decew is underlain by the Gates Dolostone Member of the Clinton Group Rochester Shale formation.

The Site has a layer of fill over the naturally deposited glacial tills. Fill thickness observed in test pit TP-101 and the new Site borings ranged from 1.8 to 4.7 ft. A layer of relatively low-density glacial till was found beneath the fill. The depth to the dense, lower till ranged from 10.0 to 14.0 ft. BGS. The depth to bedrock ranged between 19.5 ft. and 22 ft. BGS. These observations were consistent

with the conditions observed in previous investigations at the Site and on the adjacent Ward Street Site.

Groundwater

The near surface geology of the overburden and shallow bedrock provides for a shallow water table, low hydraulic conductivities, and low average linear velocities of groundwater flow.

Groundwater flow at the Site within the shallow water table zone is generally to the south towards Ward Street. Investigations along Ward Street during the previous Ward Street Site RI indicated that groundwater flow from the north side of Ward Street appeared to be directed toward the center of the street before flow proceeded southwesterly toward St. Paul Street. This pattern of flow indicated that underground utility features present below Ward Street (including sewer lines and/or pipe bedding) influenced local groundwater flow directions.

Figure 5 (from Stantec's February 154, 2008 Remedial Investigation Report) presents groundwater elevation data for overburden wells at the Site on October 10, 2007 when the MPVE system was in operation. As shown on Figure 5, two overburden groundwater capture zones related to operation of the Ward Street Site MPVE system extend onto the 8-28 Ward Street Site at its northwest and southwest corners.

A water-table contour plot based on the October 17-19, 2007 water level data, collected one week after the Ward Street Site MPVE system was shut down, is presented on Figure 6 (from Stantec's February 154, 2008 Remedial Investigation Report). The data indicate that in the absence of groundwater extraction activities, shallow groundwater generally flows in a southerly or southwesterly direction across the 8-28 Ward Street Site (Figure 6) towards Ward Street. The depths to groundwater in the overburden wells located on the 8-28 Ward Street Site ranged from 9.6 to 13.5 ft. BGS during the October 17-19, 2007 monitoring period. That range of water levels is consistent with previously reported water levels for the period prior to implementation of the MPVE remedial activities, and the October 17-19, 2007 water levels appear to be roughly representative of 'static' conditions.

Comparison of the groundwater elevation contours from prior to and after MPVE system shut-down indicates that the influence of the groundwater capture zones appears to extend east onto the 8-28 Ward Street Site as far as overburden wells MW-45, GQ2/MW-2 and GQ8/MW-5. Water levels at each of those three wells rebounded by approximately 1 foot after the system was shut down. At monitoring well GQ3/MW-3 in the southwest corner of the Site (west of MW-45), the water table is depressed below the bottom of the GQ3/MW-3 monitoring interval during MPVE operation.

The October 10, 2007 water level data for bedrock wells are presented in Table 4 (from Stantec's February 154, 2008 Remedial Investigation Report) and Figure 7 (from Stantec's February 154, 2008 Remedial Investigation Report). The data

indicate that during operation of the MPVE system, there is a 20-foot deep cone of depression in the bedrock groundwater potentiometric surface centered at the Ward Street Site extraction wells located to the southwest of the 8-28 Ward Street Site. Its influence is only marginal at ~~-~~bedrock well MW-46R, located in the center of the 8-28 Ward Street Site, but the influence of the MPVE system does appear to extend to off-Site well MW-23R. The October 17-19, 2007 water level data, described below, indicate that the water level at MW-23R rebounded by approximately 2 feet after the MPVE system was shut down.

The October 17-19, 2007 water level data for bedrock wells are presented in Figure 8 (from Stantec's February 1~~5~~4, 2008 Remedial Investigation Report). The data indicate that under non-MPVE conditions there is a downward vertical flow gradient from the overburden to shallow bedrock at both the MW-23/23R and MW-46/46R well pairs, with a head difference of 0.8 ft. at both locations. The bottom of the overburden well monitoring interval is approximately 3 feet above the top of the bedrock well monitoring interval at both locations. The bedrock groundwater elevation contour plot indicates that bedrock groundwater flow under non-MPVE conditions is generally in a westerly direction towards the Genesee River Gorge (Figure 8) (from Stantec's February 1~~5~~4, 2008 Remedial Investigation Report).

Field Screening of Soils

During Stantec's February 1~~5~~4, 2008 Remedial Investigation, field screening of soil samples did not detect indications of significant contamination. Staining and odors were not noted in fill or native soil samples. Sample headspace testing with a PID did not detect organic vapors above background levels at most locations. Slightly elevated PID readings were noted at three borings:

- At test boring B-38, 21 to 56 ppm of organic vapors were recorded in the sample intervals from 2 – 4 ft. BGS and 4 – 6 ft. BGS, respectively. The base of the fill and top of the upper till soils were encountered at 4.7 ft. in this boring. Sample material from the 4 – 6 ft. interval was submitted for laboratory VOC analysis. However, VOCs were not detected. (Laboratory analytical results for soil samples are described below in Section 4.4.)
- At test boring B-39, 67 ppm of organic vapors were recorded in the 0 – 2 ft. BGS sample, which included parking lot sub-base material and various rock, gravel, and cinder fill. The 0 – 2 ft. sample was submitted for laboratory VOC analysis, but no VOCs were detected.
- At the MW-45 test boring, 18 and 16.5 ppm of organic vapors were recorded in the 4 – 6 ft. BGS and 8 – 10 ft. BGS samples from within and at the base of the upper till, respectively. Both samples were submitted for laboratory VOC analysis. Toluene was the only VOC detected, reported at concentrations of 1 and 2 ppb, respectively.

At test pit TP-101, sheet metal debris and a section of metal pipe were encountered in the fill. These are likely to have been the causes of indications of buried metal identified in the area by the March 2002 geophysical survey conducted for High Falls Brewing Company (refer to Stantec's February 1~~5~~4,

2008 Remedial Investigation Report for more information on the March 2002 geophysical survey).

Soil Analytical Data

The soil analytical results are summarized in the following Stantec tables:

Selected Tables from Stantec, February 15~~4~~, 2008, Remedial Investigation Report as noted:

Table 5: Analytical Results Summary, Soil – VOCs
Table 6: Analytical Results Summary, Soil – SVOCs
Table 7: Analytical Results Summary, Soil – PCBs and Pesticides
Table 8: Analytical Results Summary, Soil – Metals

Stantec's February 15~~4~~, 2008 Remedial Investigation Report did not identify any on-Site soil contamination. As shown on Tables 5-8, no inorganics (metals), PCBs, pesticides, SVOCs, or VOCs were reported above the 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs) for either commercial or industrial use. Furthermore, none were above the more protective "Protection of Groundwater" SCOs, with the exception of PCE in one sample. PCE was reported at a concentration of 9.9 ppm in the 12-14 ft. BGS sample from the off-Site test boring at MW-23R. The Protection of Groundwater SCO for PCE is 1.3 ppm. PCE had been reported at a similar concentration of 8.3 ppm in the 12-14 ft. BGS soil sample from the test boring at adjacent off-Site well MW-23 during the previous Ward Street Site investigation. The 12-14 ft. BGS sample interval corresponds to the depth at which the water table has been observed at MW-23.

Germanow-Simon anticipates that through the use of the MPVE system, and with an enhanced reductive dechlorination polishing program, they will attain soil and groundwater quality concentrations meeting the applicable NYSDEC standards, criteria and guidance values (SCGs) for the intended use of the Site. ~~During the implementation of the MPVE, and i~~In the unlikely event that SCGs are not attained due to the complexities at the Site, persons conducting work at the Site must abide by the requirements of this SMP when excavating or otherwise disturbing fill, soil or groundwater in the following areas in which contaminants exceeding 6 NYCRR Part 375 Protection of Groundwater SCOs were identified.

Impacted sub-surface soils that require remedial measures are present off-Site at the locations of MW-23 and MW-23R. Soil containing PCE at concentrations above the Protection of Groundwater SCO is present at the locations of monitoring wells MW-23 and MW-23R. The contaminated soil samples were collected from a depth of 12 to 14 feet BGS, and the field screening data indicate that the soil contamination is limited in vertical extent to the water table horizon. No soil contamination was detected in on-Site borings located 40 to 55 feet to the north and northwest of the MW-23 and MW-23R locations. Germanow-Simon has been ~~will be~~ addressing the impacted~~these~~ soils with the MPVE system and the enhanced reductive dechlorination polishing program.~~.~~

The total on-site quantity of soils that are impacted at levels greater than 6 NYCRR Part 375 Protection of Groundwater SCOs is estimated at 300 C.Y. or 500 tons.

Groundwater Analytical Data

The groundwater analytical results are summarized in the following Stantec tables:

Selected Tables from Stantec, February 154, 2008, Remedial Investigation Report as noted:

Table 9: Analytical Results Summary, Groundwater - VOCs
Table 10: Analytical Results Summary, Groundwater - SVOCs
Table 11: Analytical Results Summary, Groundwater – PCBs and Pesticides
Table 12: Analytical Results Summary, Groundwater – Metals
Table 13: Comparison of Previous Investigation and Remedial Investigation Analytical Results – VOCs Detected in Groundwater

Stantec's February 154, 2008 Remedial Investigation Report identified trace to low levels of PCE, TCE, and cis-1,2-dichloroethene (cis-1,2-DCE) present in on-Site overburden groundwater on the west and south sides of the 8-28 Ward Street Site. The maximum on-Site total VOC concentration detected in Stantec's February 154, 2008 Remedial Investigation Report groundwater samples was 0.087 ppm at monitoring well MW-45, where the cis-1,2-DCE concentration exceeded the NYSDEC Ambient Water Quality Standard. VOC concentrations did not exceed NYSDEC standards in samples from other on-Site wells. At on-Site well MW-45, 0.087 ppm of cis-1,2-DCE was reported in the groundwater sample. Traces (less than 0.005 ppm) of PCE and/or TCE were also reported at on-Site wells GQ2/MW-2 and GQ4/MW-4, and 0.001 ppm of cis-1,2-DCE was reported in the sample from new on-Site well MW-47. Although GQ3/MW-3 was dry at the time of sampling (due to the effectiveness of the MPVE system implemented at the adjacent Ward Street Site), historically TCE had been detected in GW3/MW-3 at concentrations ranging from 0.016 ppm to 0.069 ppm.

As shown on Tables 10 and 11, no target SVOCs or PCBs were reported above detection limits, and no pesticides were reported above applicable New York State standards or guidance values. Reported concentrations of inorganics (metals) that represent potential Site contaminants were also not above applicable New York State standards or guidance values, as shown on Table 12. Table 13 presents a comparison of analytical results for VOCs detected in groundwater samples from the RI and previous investigations. As shown on Table 13, the VOC compounds identified and concentrations detected have been relatively consistent at the six wells which were installed during previous investigations (GQ1/MW-1 through GQ8/MW-5 and MW-23).

Chemical screening for groundwater involved comparison of detected concentrations in groundwater from wells on site and off site to the New York State Class GA potable groundwater standards in 6 NYCRRR Part 703 and the guidance values in Technical and Operational Guidance Series (TOGS) 1.1.1, NYSDEC, June 1998.

Off-site VOC impacts to overburden groundwater were associated with the Ward Street right-of-way south of the Site, in the location of MW-23 and MW-23R. Groundwater contamination by PCE and its degradation products TCE and cis-1,2-DCE is present in the overburden and shallow bedrock at off-Site monitoring wells MW-23 and MW-23R. As shown on Table 9, the chlorinated VOCs PCE, TCE and cis-1,2- DCE were reported in groundwater samples from off-Site wells MW-23 and MW-23R at concentrations ranging from 0.04 to 0.81 ppm. The volume of off-site overburden groundwater with total chlorinated VOC concentrations >100 µg/L is estimated at more than 25,000 gallons (gal). The volume of on-site overburden groundwater with total chlorinated VOC concentrations >100 µg/L is estimated at more than 25,000 gal.

Soil Vapor Analytical Data

On May 25, 2007, a total of 28 Emflux soil vapor survey canisters were installed in shallow small-diameter (3/4-inch) borings. The approximate soil vapor survey locations are depicted on Stantec's February 154, 2008 Remedial Investigation Report Figure 4. The soil vapor collectors were allowed to accumulate vapors for 7 days. The Multi-Phase Vacuum Extraction (MPVE) remedial system operating at the adjacent Ward Street Site was shut down for one week during deployment of the passive soil vapor collectors to minimize potential impacts to the collection of passive soil vapor data. The soil vapor collectors were retrieved on June 1, 2007. The soil vapor borings were subsequently backfilled with sand and sealed with asphalt cold patch. In addition to the field samples, one trip blank and one blind field duplicate were submitted for Quality Assurance/Quality Control (QA/QC) purposes. The 28 soil vapor collectors and QA/QC samples targeted chlorinated ethene VOCs, including PCE, trichloroethylene (TCE), cis-1,2-DCE, trans-1,2- dichloroethene, 1,1-dichloroethene and vinyl chloride (VC) using EPA Method 8260.

Of the six compounds that were analyzed, only PCE and TCE were detected. PCE and TCE are present at low levels in soil vapor in the area of the Site immediately to the east of MW-45 and northwest of SV-6/B-23/MW-23. Soil vapor contamination by PCE is present in the immediate vicinity of the MW-23 and MW-23R locations, but VOC concentrations in soil vapor drop off significantly at survey points located 25 feet to the west, north and east. The lower levels of soil vapor contamination detected do not extend laterally to the west, north or east more than 100 feet beyond the immediate vicinity of the MW-23 and MW-23R locations. A complete review of the passive soil gas surveys is presented in the Stantec's February 154, 2008 Remedial Investigation Report.

2.2 Construction/Design Considerations

Stantec's February 15, 2008 Remedial Investigation Report has shown that the contaminants present at the Site consist of chlorinated VOCs present in soil, soil vapor, and groundwater. Any waste material that is generated from excavation activities at the Site, including trenching or footer excavation for future development, must therefore be properly characterized and managed. The process can be simplified by pre-planning how the material will be handled during necessary excavation.

In order to properly characterize the waste material, soils and/or fill materials potentially containing contaminants will be screened and segregated into designated roll-offs. Segregation is intended to decrease the volume of waste material requiring handling and treatment as a solid or hazardous waste following characterization sampling and laboratory analysis.

If hazardous waste is generated as part of this remediation program, or during future site development or maintenance activities involving subsurface disturbance, this waste should not be replaced on the Site and must be properly characterized, managed and disposed of off site at a permitted facility in compliance with applicable law. Management of impacted materials is discussed in Section 7.0 of this SMP.

As this remediation project and future excavation projects progress, planning will need to consider that soil/fill management and waste characterization may affect the following construction elements:

- Schedules: Scheduling will need to allow for management of waste material that is generated during excavation. Should unanticipated materials or conditions be observed during excavation work, sampling may be required. Sampling will involve laboratory analysis, which typically takes from several days to several weeks to be completed. Therefore, construction schedules and design plans should allow for adequate flexibility for sampling, segregation, and temporary stockpiling of unanticipated materials on-site in roll-off containers in the parking lots to the east or north of Building B Annex.

- Subsurface Variability: Schedules should provide both contingency time and measures to address variability in subsurface conditions and the potential presence of groundwater. For example, if hazardous conditions are encountered, additional safety measures and use of personal protection gear will be required. Excavation dewatering and work stoppage could also affect construction schedules and costs.

Measures designed to address these situations are described in further detail in Sections 4.0, 5.0 and 6.0 of this SMP.

3.0 System Design Details

3.1 MPVE System Configuration

Two monitoring wells (MW-23 and MW-23R) have been converted to MPVE extraction wells at the Site. The locations of the monitoring wells are shown in Figure 2 of the August 2008 Remedial Action Work Plan. The MPVE vacuum pump unit, installed during the Ward Street MPVE system installation, is pre-fabricated, container-mounted, pre-piped, and pre-wired and contains the following major components which are schematically presented in Figure 3 of the August 2008 Remedial Action Work Plan:

- One 50 HP, 1300 ACFM (max) 875 ACFM @ 20"in Hg capacity belt-driven air-cooled rotary lobe vacuum pump;
- Steel and PVC piping;
- Steel, brass and PVC valves;
- 630 gallon system vessel with internally mounted high efficiency low maintenance oil/water separator and air stripper;
- Container heater and exhaust fan; and
- Aqueous phase 25 GPM Mono Progressive Cavity pump.

A second Treatment Unit container houses:

- Container heater and exhaust fan;
- Aqueous phase bag filters;
- 300-gallon water surge tank w/ float switch;
- Aqueous phase 10 GPM centrifugal pump (float switch-activated)
- Two parallel sets of two 170 lbs aqueous-phase GAC treatment vessels in series;
- Air-to-air heat exchanger to cool the vapor exhaust stream to approximately 110°F (off-line);
- Two 1,500 lbs vapor-phase GAC treatment vessels in series (off-line); and
- A 5HP centrifugal blower to reduce backpressure on the MPVE unit (off-line).

Because the rate of VOC removal had reached an asymptomatic condition and pursuant to NYSDEC approval, the MPVE system was shut down on February 22, 2011 and has not been restarted since that time.

3.2 Well head, piping configuration

The extraction wells are 2-inch inside diameter (ID) PVC screen with 0.010-inch slots to promote well efficiency and formation airflow.

The extraction wells are individually connected to a manifold system located in a heated enclosure constructed along the east wall of the Building B Annex, using 1.5-inch diameter HDPE (low friction) pipe for vacuum extraction and 0.5-inch diameter HDPE pipe for bleed air. The piping is attached to the wellheads and

drop tubes within flush-mounted 12-inch diameter steel road boxes. The wellhead and piping are installed in trenches to a depth of 48 to 60 inches in exterior locations. This depth protects against freezing weather. Where they can not be placed at sufficient depths, piping placed outdoors is heat traced and insulated to protect against freezing. Access to the drop tube, located between 48 and 60 inches from the surface within the well riser, is provided by means of a pitless adapter. This allows for removal of the drop tube for groundwater sampling using a removable threaded metal pipe. The drop tubes are set approximately 6 inches above the bottom of all extraction wells. A quick-connect adapter may be temporarily attached to the removable well caps to allow pressure measurements at the well head with a portable pressure gauge. Detailed drawings of extraction wells are shown in Stantec's December 2006 Final Engineering Report Drawing EN-8 for the Ward Street Site. The trenching detail is shown in Stantec's November 2006 Final Engineering Report Drawing EN-6 for the Ward Street Site.

One bedrock well (MW-23R) was installed on July 30-31, 2007, which was converted to an extraction well on October 15, 2008, along with one existing overburden well (MW-23).

Screened intervals were determined based on the extent of impacted soil across the soil profile. The layouts of the overburden and bedrock wells and associated piping are shown in Stantec's August 2008 Remedial Action Work Plan Drawing EN-2.

3.3 Manifold

The manifold is housed in an insulated, heated and secured enclosure designed specifically for the manifold. The individual extraction wells converge in one hole bored through the asphalt on the east side of the manifold, and feed directly into the manifold enclosure. The individual lines loop upwards to a 6-inch schedule 80 PVC piping header, where vacuum will be measured for each well. Vacuum measurements will also be made at each sub-manifold.

3.4 Sub-slab depressurization system

In order to minimize the potential for VOC soil vapor intrusion into any future buildings constructed at the Site, a sub-slab depressurization (SSD) system, appropriate to the future building design, should be installed. The design for the SSDS would need to be prepared and constructed in conjunction with the design and construction of any future buildings. Guidance for the design and installation of a SSDS is presented in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006.

3.5 Sewer discharge

When the MPVE system was operating, t~~T~~reated aqueous effluent was~~is~~ discharged into a sewer line located in Building B Annex. A detailed layout of this connection is shown in Stantec's December 2006 Final Engineering Report Drawing EN-6. A sewer discharge permit was obtained from Monroe County

Pure Waters to discharge the treated aqueous effluent. The Sewer Use Permit is included as Appendix B.

3.6 Air discharge

A permit from the NYSDEC to discharge treated vapors was not required pursuant to the terms of the BCA. However, a substantive review and approval by the NYSDEC of the anticipated air emissions and the proposed treatment plans was required.

An eight-inch exhaust stack runs horizontally from the MPVE trailer along Building B Annex until it reaches Building B, at which point it runs vertically straight up Building B. This stack rises 11 feet above the top of Building B for an approximate total stack height of 56 feet from ground surface. A detailed layout of the stack is shown in Stantec's December 2006 Final Engineering Report Drawing EN-7. An air emission analysis was performed to determine short term and annual air emission concentrations. This analysis is found in Appendix D.

As of spring 2008 and with NYSDEC approval, vapor treatment (vapor granular activated carbon) was taken offline.

4.0 Soil-Fill Characterization

4.1 Pre-excavation Sampling

Sufficient data are available at this time such that additional soil/fill sampling prior to excavation activities is unnecessary. In general, soil borings previously completed on the Site appear to provide sufficient coverage. During future excavation activities, visual observations and PID readings should be used to determine if soil/fill sampling is necessary to evaluate unanticipated conditions outside of previously identified areas of contamination.

4.2 Excavation Sampling

Sampling of excavated fill or subsurface materials encountered during construction efforts should be considered if either of the following conditions is encountered:

- If conditions during excavation are significantly different than those observed during previously completed soil investigations, including unusual odors, visual observations such as stained soils, drums, containers, etc.; or

- If concerns, such as gross contamination, sheens on water or free-product are identified within soil.

In these situations, sampling frequency and analyses would vary based on the types and quantities of material encountered and the anticipated use/disposal of removed materials. Analysis must adequately characterize materials in light of applicable NYSDEC guidance values (e.g., 6 NYCRR Part 375) and/or permitted disposal facility requirements, depending on intended destination of materials.

Typical waste disposal analyses are:

- Full Toxicity Characteristic Leaching Procedure (TCLP) VOCs,
- Full TCLP SVOCs,
- Ignitability,
- Reactivity,
- Modified Paint Filter Test, and
- pH.

5.0 Groundwater Characterization

5.1 Sampling

Sufficient data are available at this time such that additional groundwater sampling prior to or during excavation activities is unnecessary. The wellheads and piping were installed in trenches at depths of 48 to 60 inches in exterior areas exposed to freezing weather. Therefore, with these shallow depths below ground surface, groundwater was not encountered. Groundwater that is encountered during excavation in an impacted area will need to be run through the liquid phase GAC in the Treatment Unit prior to discharge to the sanitary sewer, or containerized, characterized and properly disposed of off Site. Monitoring wells have been installed on the subject property and provide sufficient coverage for the portion of the Site affected by the impacted groundwater plumes. If excavation activities are proposed outside of these areas and are expected to extend to the depth of the water table, pre-excavation sampling may be recommended. In such cases, pre-excavation sampling frequency and analyses would vary based on the location of proposed work in relation to the characterized areas and on the anticipated quantity and handling of groundwater (see also Appendix B, Sewer Use Permit Information).

Surface water and rainwater should be prevented from reaching excavations; and excavations need to be covered if there is the possibility of such an occurrence.

6.0 Monitoring During Excavation, Well Installation, Remedial System Installation and Future Development

Monitoring of materials encountered during excavation activities, well installation, remedial system installation and future development is generally needed for three purposes:

- To protect the health and safety of Site workers during intrusive activities;
- To determine that soil/fill materials and groundwater are consistent with pre-excavation characterization; and
- To determine whether the materials need to be characterized for handling and disposal where no pre-excavation characterization was performed.

6.1 Health and Safety Monitoring

Past investigations have shown that impacted materials will be encountered during construction activities in portions of the Site. Based on the historical uses of the Site, hazardous materials may potentially be encountered.

Generally, VOCs are associated with the soil/fill and are considered as potentially hazardous materials subject to health and safety planning.

VOCs are also associated with the groundwater and are considered potentially hazardous materials subject to health and safety planning.

Health and safety planning should also give consideration to other construction-related issues, such as use of heavy equipment, noise, odor, weather conditions, confined space entry, excavation safety and other construction-related OSHA regulations.

Health and safety planning should be performed prior to excavation and other activities which disturb the surface of the Site. This should include the preparation of a written Health and Safety Plan (HASP) for excavation activities. The HASP would be based on the results of the previous chemical analyses, information specific to the proposed remediation activities, specific excavation tasks to be completed and the potential for exposure of Site workers to the Site contaminants.

Workers on site performing or supervising earthwork activities, well installation and system installation and operations should be OSHA 1910.120 certified to perform work on a hazardous waste site. Previous investigations show that while the potential for worker exposure exists, it is relatively low. However, all contractors, developers and owner representatives involved in earthwork activities, well installation and system installation should consider the need for health and safety planning relative to their specific tasks and planned activities.

6.2 Community Air Monitoring Plan (CAMP)

PCE and TCE are the primary volatile organic compounds of concern that are present, or are potentially present, in the soil and groundwater at the Site. Volatilization of these compounds through disturbance of soils and/or groundwater could result in releases to the ambient air creating possible nuisance or exposure risks to the neighborhood.

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The CAMP presented below is identical to the New York State Department of Health (NYSDOH) generic CAMP presented in Appendix 1A of NYSDEC's Draft DER-10 Technical Guidance for Site Investigation and Remediation (December 25, 2002). Should site conditions change in the future, specific requirements for community air monitoring at the 8-28 Ward Street Site should be reviewed in consultation with NYSDOH to ensure proper applicability. For example, depending upon the nature of contamination, chemical-specific monitoring with appropriately-sensitive methods may be required. Or, depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements would be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for volatile organic compounds (VOCs) and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate NYSDEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

All 15-minute readings must be recorded and be available for State (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m3 of the upwind level and in preventing visible dust migration.

All readings must be recorded and be available for State (DEC and DOH) personnel to review.

6.3 Soil/Fill/Groundwater Monitoring

Monitoring of soil and fill materials that are excavated and groundwater that is pumped during construction should be performed for two reasons:

- To determine that the material encountered during excavation is consistent with the material encountered during previous investigations; and
- To allow characterization of the non-hazardous or hazardous nature of material encountered in the event that no previous investigation results are available for a specific area.

Monitoring should generally consist of documentation of visible characteristics of the soil, fill and groundwater encountered, including obvious staining, sheens, odors, or other indicators of contamination such as solvents, oils, tars or containers. It is recommended that construction monitoring be conducted by a

trained individual, such as an environmental engineer, scientist, or geologist during all earthwork activities, well installation, system installation and future development.

Several portable monitoring instruments are available to assist in field monitoring of materials. Such instruments are primarily used for detection of VOCs or dust and particulates. Since volatile organics (VOCs) have been detected in the past at the Site, this type of instrumentation is appropriate for construction excavation monitoring. Types of instruments available for this purpose include:

- Photoionization detector instruments (PID) - these instruments operate by pumping a sample of ambient air into a chamber where the air is ionized using a light source of specific energy (either 10.2, 10.6, or 11.7 eV). Such instruments are manufactured by HNu and Microtip.
- Flame ionization detector instruments (FID) - these instruments operate on a similar principle as the PIDs; however, ionization is caused by a flame produced by combusting hydrogen. The OVA manufactured by Foxboro is such an instrument.
- Combustible gas meters/gas monitors – these instruments are capable of measuring combustible gases, such as methane and hydrogen sulfide, and would be used during construction activities if large amounts of organic materials such as railroad timbers or peat are encountered. However, it is not expected that large amounts of organic matter will be found.
- Dust/Particulate Meters – these instruments are capable of measuring dust and particulates in ambient air. An example of an aerosol monitor is the MIE PDE-1000.

These types of instruments are readily available in the Rochester area and can be rented or purchased from several sources. However, these instruments should be operated by individuals trained and experienced in their use, limitations and capability for data generation. Readings generated from monitoring instruments should be recorded in the field along with visual observations.

7.0 Management of Impacted Material

7.1 On-Site Re-Use of Excavated Materials

It is recommended that non-hazardous excavated material be re-used onsite and covered with either clean soil or an impervious surface.

7.2 Off-Site Disposal of Excavated Materials

Fill material at the Site has been visually observed to contain solid waste (i.e. glass, cinders). As a result, fill material that is excavated will need to be handled as a solid waste for off-site disposal purposes. This will involve the characterization of the fill material to determine if it is a hazardous waste or if it should be disposed of as a solid waste at a permitted disposal facility. Such testing is typically performed to fulfill the disposal facility requirements and could include Toxicity Characteristic Leaching Procedure (TCLP) VOCs, SVOCS, and metals, PCBs, pesticides, herbicides, flashpoint, corrosivity and paint filter test.

Any fill materials that are proposed to be sent off-site to a non-permitted disposal facility would need to be sampled pursuant to a Department approved sampling plan and would need to meet the Unrestricted Use contaminant levels set forth in 6NYCRR Part 375-6.8(a).

Prior to off-site disposal of removed VOC impacted material (non-fill), waste characterization sampling should be performed to determine if the stockpiled material should be disposed off-site as non-hazardous solid waste, or hazardous waste with or without treatment. A composite sample should be collected in accordance with the disposal facility requirements (e.g., 1 sample per 500 tons). Each composite sample should be submitted for laboratory analysis in accordance with the disposal facility requirements (e.g., TCL VOCs by EPA Test Method 8260 and TCLP VOCs by EPA Test Method 1311/8260).

Management of materials that will be disposed offsite will need to include characterization (sampling and laboratory analysis as required by the chosen landfill), management, off-site transportation and disposal at an approved landfill. Appropriate measures for management of excavated materials will need to include temporarily stockpiling excavated soils and solids, as well as measures to prevent them from contaminating other materials or migrating off site. Measures that should be incorporated into such plans include:

- Stockpile locations should be away from storm sewers, downwind property boundaries, and drainage courses;
- Dust suppression techniques should be used as necessary;
- Placement of stockpiles of soils, fill or hazardous materials containing contaminants (e.g. drums, containers, odiferous fill) should be in lined roll-offs with perimeter berms;
- Stockpiles of contaminated soils, fill, or hazardous materials (e.g. drums, containers, odiferous fill) should be covered with weighted down poly at the end of each day of placement to prevent migration by wind-blown dust or stormwater runoff until final placement is established; and

- Lined and covered roll-off containers should be used for material that will be disposed of off-site.

7.3 Off-Site Disposal of Impacted Water

Management of water will include characterization (sampling and laboratory analysis as required by the Monroe County Department of Environmental Services (MCDES) – Division of Pure Waters (DPW)), management, pumping to the Monroe County sewer system (if permitted), and identification of and conformance to the restriction on the use of groundwater. The prior approval of the NYSDEC must be obtained before the groundwater underlying the Controlled Property may be used for any purpose. Appropriate measures for management of water will need to include temporary containerization and measures to prevent water from contaminating other materials or migrating off-site. Measures that should be incorporated into such plans include:

- Containerize water prior to pumping off-site;
- Stage containers away from downwind property boundaries and drainage sources;
- Pump water directly into containers;
- Perform necessary sampling prior to disposal;
- Coordinate with MCDES-DPW to receive permission for disposal;
- Use granular activated carbon (GAC) to treat groundwater (if appropriate); and
- Do not use groundwater, either as potable water or in manufacturing processes.

The sewer use permit information is included in Appendix B.

If groundwater is pumped at the Site, a temporary sewer use permit is required for sewer disposal from MCDES-DPW. The required information to be supplied to the MCDES-DPW is included in Appendix B.

8.0 Monitoring After Excavation

Monitoring after excavation activities are completed is generally needed for three purposes:

- To continue protection of the health and safety of Site workers and anyone else potentially affected by the remedial measures taken by checking for malfunctions of remedial systems still in place;
- To ensure remedial measures are working; and
- To determine when system shutdown and/or site closure can occur.

8.1 Operations, Maintenance and Monitoring (OM&M) Plan

A site-specific plan is needed to ensure that post-excavation monitoring is completed properly. Stantec has prepared an Operations, Maintenance & Monitoring (OM&M) Plan for monitoring of the remedial measures put in place at the Site. The OM&M Plan is a modified version of Stantec's OM&M Plan for the adjacent Ward Street Site and is included in the Final Engineering Report for the 8-28 Ward Street Site.

8.2 Post-Remediation Sampling Plan

A site-specific post-remediation sampling plan is needed to demonstrate that the contaminants of concern are at or below the remedial action objectives. The cleanup equipment will remain in place until closure sampling has been completed and approval from the Department has been obtained. The final sampling event will consist of a limited number of borings for confirmatory sampling (one to two). The locations of soil samples will be proposed to the Department for review and approval prior to collection.

9.0 Flagging System

An Environmental Easement has been established in conjunction with this Site Management Plan for the Site's soil and groundwater. In addition, the City of Rochester has "flagged" the parcels that comprise the Site, and they will be subject to a special environmental review prior to issuance of a permit. A special notation has been added to the City's mainframe computer database of property information for the following tax account numbers:

The City of Rochester has established a procedure for "flagging" the tax account numbers of properties that require special environmental reviews as a result of hazardous waste or hazardous substance contamination. The reviews are conducted as referrals to the City's Division of Environmental Quality (DEQ) for any permit applications for properties where soil management plans or environmental contingency plans need to be established and followed during construction activities.

Tax ID #	Address	Zoning	Use
106.630-01-016	8-28 Ward Street	M1 (Industrial District)	Parking Lot

The notation appears as a "flag" to City staff that receive future building and site preparation permit applications. The flag will require a referral to the City's DEQ before the application can be processed for approval. DEQ staff will review the permit application for consistency with the Site Management Plan, limited-use areas and land-use restrictions. A notification to the NYSDEC will be included at the time the permit is reviewed given the scope of the proposed work.

Consistent with the SMP, the Environmental Easement as set forth in Appendix C below, stipulates the following:

- The Controlled Property may be used for restricted **commercial or industrial** use as long as the following long-term engineering controls are employed:

  i) A multi-phase vacuum extraction system ("MPVE") will be operated beneath on-site and beneath off-site within the right-of-way for Ward Street as depicted in ALTA Survey dated October 17, 2008 (Appendix E), until the remedial requirements are achieved to the satisfaction of the Department;

  ii) the groundwater beneath the Controlled Property may not be used for potable or nonpotable purposes;

  iii) the Site Management Plan (SMP), dated November 2008, must be implemented for the Controlled Property;

  iv) soils at the Controlled Property shall be managed in accordance with the SMP, dated November 2008; The SMP includes requirements for the characterization, handling, and

disposal/re-use of residual contaminated media (e.g., soil, fill, groundwater) and requirements for soils imported to the site;

v) the existing surface and near surface soil, asphalt-paved surfaces, concrete-paved surfaces, and the building itself, as depicted in ALTA Survey dated October 17, 2008, act as a cover system at the Controlled Property. Disturbances and incidental damage to this cover system shall be repaired upon discovery with cover materials approved by the NYSDEC and the NYSDOH;

vi) the potential for vapor intrusion for any new buildings developed on the Controlled Property must be evaluated and mitigation shall be implemented, if needed, prior to occupancy. If a vapor mitigation system is required, it shall be operated and maintained until such time NYSDEC deems it is no longer needed;

vii) Grantor shall provide all persons who acquire any interest in the Controlled Property a true and complete copy of the Site Management Plan dated November 2008, that the Department has approved for the Controlled Property and all Department-approved amendments to the Site Management Plan.

The Grantor hereby acknowledges receipt of a copy of the NYSDEC-approved Site Management Plan, dated November 2008 ("SMP"). The SMP describes obligations that 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 on the Controlled Property, 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 Department may change the SMP for the Controlled Property from time to time on the basis of requests or information submitted by Grantor, and modifications in applicable statutes regulations, guidance or site conditions. The Department reserves a unilateral right to modify the SMP. 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:

Regional Remediation Engineer Region 8 NYS DEC 6274 East Avon-Lima Road Avon, New York 14414	or	Site Control Section Div. of Environmental Remediation NYS DEC 625 Broadway Albany, NY 12233

- The Controlled Property may not be used for a higher level of use such as **unrestricted or restricted residential** use and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

- Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of 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 of Title 36 to Article 71 of the Environmental Conservation Law.

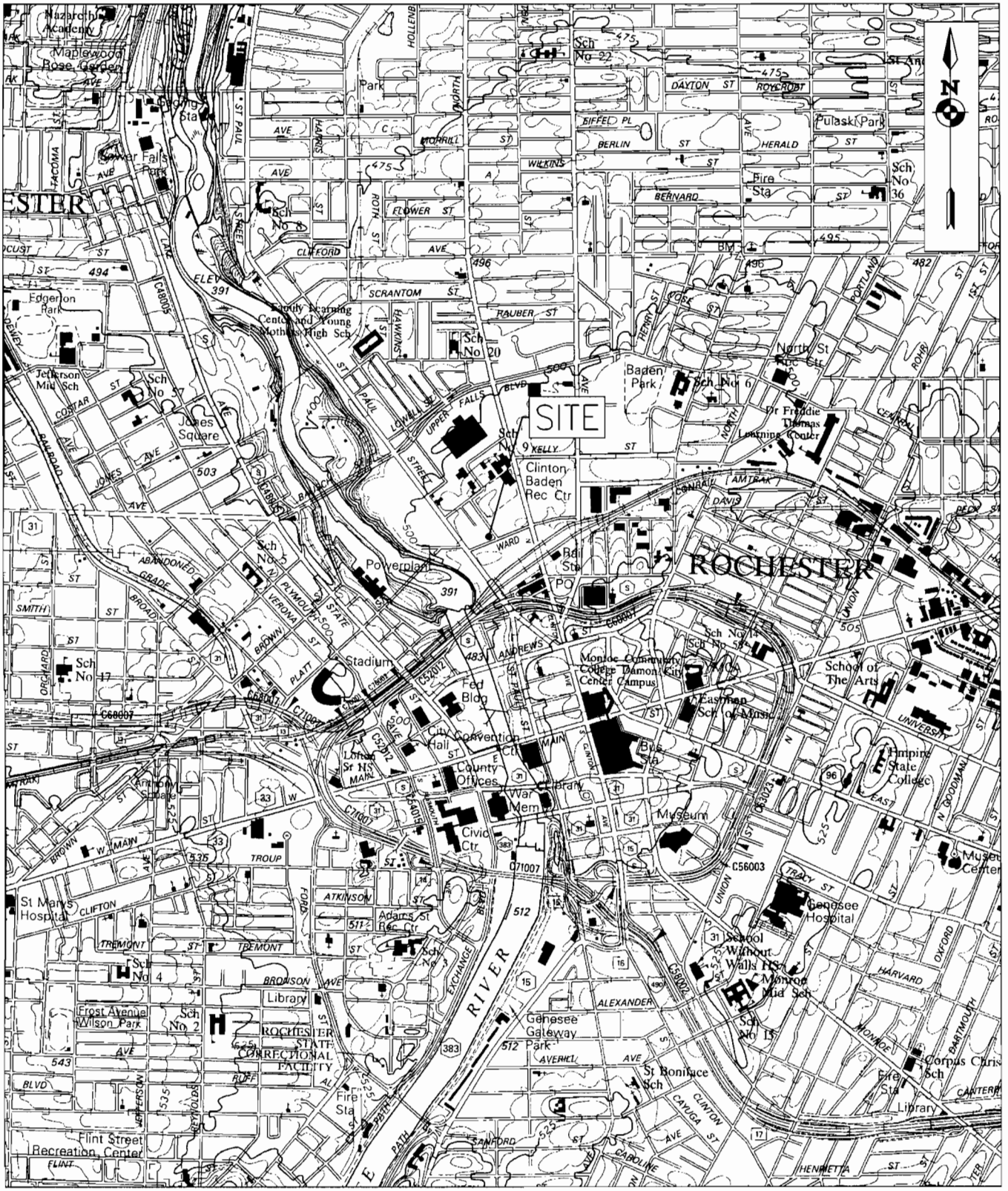
- Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

- 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 that the controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls employed at the Controlled Property were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls.

Please note that since the Environmental Easement was issued, the rate of VOC removal by the MPVE system had reached asymptomatic conditions and pursuant to NYSDEC approval, the MPVE system was shut down on February 22, 2011 and has not been restarted since that time. The existing sub-slab depressurization system (SSDS) for the Building B Annex Area was turned on at the time the MPVE operation was suspended.

Please note that an updated ALTA Survey dated August 1, 2012 was prepared and issued at the request of the NYSDEC, which integrates the 8-28 Ward Street Site with the Ward Street Site (see Appendix E).

Figures



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SCALE
1" = 2000'

FIRST ISSUE DATE
04/2006

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PROJECT
REMEDIAL INVESTIGATION
8-28 WARD STREET
ROCHESTER, NEW YORK

TITLE OF DRAWING
SITE LOCATION MAP

PROJECT NO.
190500014

DRAWING NO.
FIG. 1

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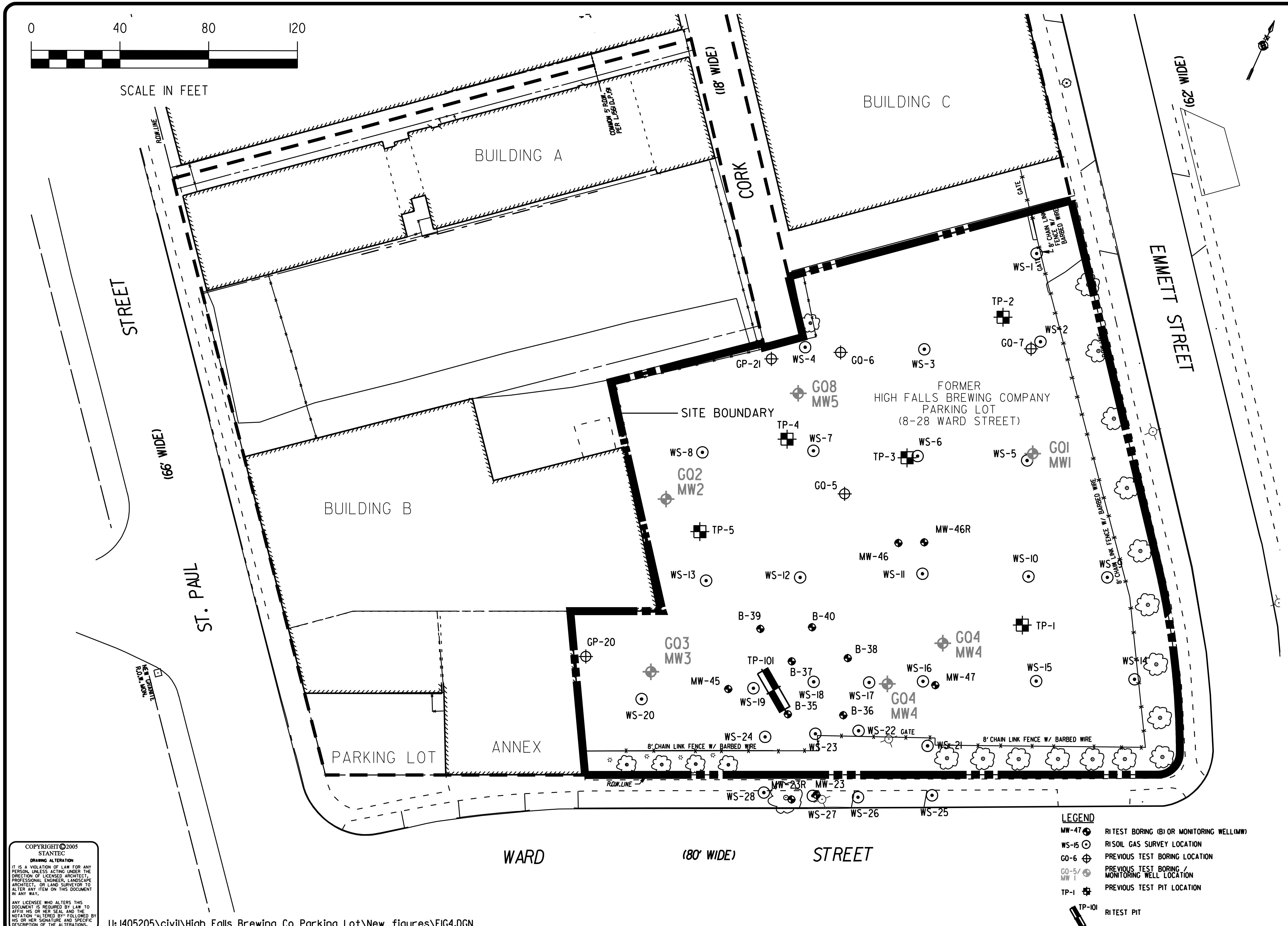

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PROJECT
REMEDIAL INVESTIGATION
8-28 WARD STREET
ROCHESTER, NEW YORK

TITLE OF DRAWING
SAMPLE LOCATION MAP - REMEDIAL INVESTIGATIONS

PROJECT NO.
190500014

DRAWING NO.
FIG. 4

MW-21
496.56 ft AMSL

MW-9
494.64 ft AMSL

MW-214
486.82 ft AMSL

MW-20
496.18 ft AMSL

MW-218
487.26 ft AMSL

MW-216
488.33 ft AMSL

MW-19
494.25 ft AMSL

GQ8/MW5
494.89 ft AMSL

MW-217
488.11 ft AMSL

MW-219
487.58 ft AMSL

GQ2/MW2
494.15 ft AMSL

MW-32
493.73 ft AMSL

MW-106
494.28 ft AMSL

MW-46
494.53 ft AMSL

MW-107
493.18 ft AMSL

MW-200
487.13 ft AMSL

MW-105
487.74 ft AMSL

MW-45
493.7 ft AMSL

MW-47
494.91 ft AMSL

MW-205
485.47 ft AMSL

MW-212
486.75 ft AMSL

MW-14
491.63 ft AMSL

MW-209
485.05 ft AMSL

MW-23
494.5 ft AMSL

MW-201
486.87 ft AMSL

MW-18
492.11 ft AMSL

MW-202
486.79 ft AMSL

MW-15
487.57 ft AMSL

MW-22
487.12 ft AMSL

GQ4/MW4
494.69 ft AMSL

MW-24
493.73 ft AMSL

MW-207
485.52 ft AMSL

MW-208
486.39 ft AMSL

MW-16
484.09 ft AMSL

MW-211
484.75 ft AMSL

MW-17
493.4 ft AMSL

MW-204
486.68 ft AMSL

Legend

- October 10, 2007 Overburden GW Elevation Contours
- Groundwater Flow Direction
- 8-28 Ward St Property Line
- Extraction Well
- Monitoring Well

Note: Groundwater elevations shown in feet above mean sea level (ft AMSL)

Geographic Information Systems

Cartographic Design By: Marc Bouchard

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0 5 10 20 30 40 Feet

1 inch equals 30 feet

Figure 5 - Groundwater Elevation Plan - Overburden Wells 10/10/2007

Remedial Investigation Report
8-28 Ward Street Site
Rochester, NY

MW-9
496.44 ft AMSL

MW-218
496.22 ft AMSL

MW-32
496.33 ft AMSL

GQ8/MW5
496.06 ft AMSL

GQ1/MW1
496.1 ft AMSL

GQ2/MW2
495.15 ft AMSL

MW-46
495 ft AMSL

MW-200
492.58 ft AMSL

MW-105
492.67 ft AMSL

GQ3/MW3
493.81 ft AMSL

MW-45
494.6 ft AMSL

MW-47
495.06 ft AMSL

GQ4/MW4
494.86 ft AMSL

MW-15
492.46 ft AMSL

MW-22
493.22 ft AMSL

MW-23
494.67 ft AMSL

MW-16
493.11 ft AMSL

496

495.5

495

494

494.5

493

493.5

492.5

Note: Groundwater elevations shown in feet above mean sea level (ft AMSL)

Legend

- Groundwater Flow Direction
- October 17-19, 2007 Overburden GW Elevation Contours
- 8-28 Ward St Property Line
- Extraction Well
- Monitoring Well

Geographic Information Systems

Cartographic Design By: Marc Bouchard

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0 5 10 20 30 40 Feet

1 inch equals 30 feet

Figure 6 - Groundwater Elevation Plan - Overburden Wells 10/17-19/2007

Remedial Investigation Report
8-28 Ward Street Site
Rochester, NY

MW-9R
496.47 ft AMSL

MW-200R
477.39 ft AMSL

MW-203R
475.92 ft AMSL

MW-22R
474.91 ft AMSL

MW-207R
475.69 ft AMSL

MW-204R
477 ft AMSL

MW-205R
476.85 ft AMSL

MW-212R
475.7 ft AMSL

MW-210R
474.49 ft AMSL

MW-23R
492.15 ft AMSL

MW-46R
493.97 ft AMSL

MW-16R
474.54 ft AMSL

MW-206R
475.76 ft AMSL

MW-211R
475.83 ft AMSL

MW-208R
474.3 ft AMSL

MW-17R
491.94 ft AMSL

MW-24R
492.66 ft AMSL

496
495.5
495
494.5
494
493
493.5
492.5
487
484
483.5
481
480.5
480
477.5
477
475.5
474.5
475
476.5
479.5
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480.5
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478
478.5
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481.5
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487
485
484.5
485.5
486
486.5
487.5
488
489
489.5
490.5
491
492
492.5
488.5
490
491.5

Note: Groundwater elevations shown in feet above mean sea level (ft AMSL)

Legend

- Groundwater Flow Direction
- October 10, 2007 Bedrock GW Elevation Contours
- 8-28 Ward St Property Line
- Extraction Well
- Monitoring Well

Geographic Information Systems

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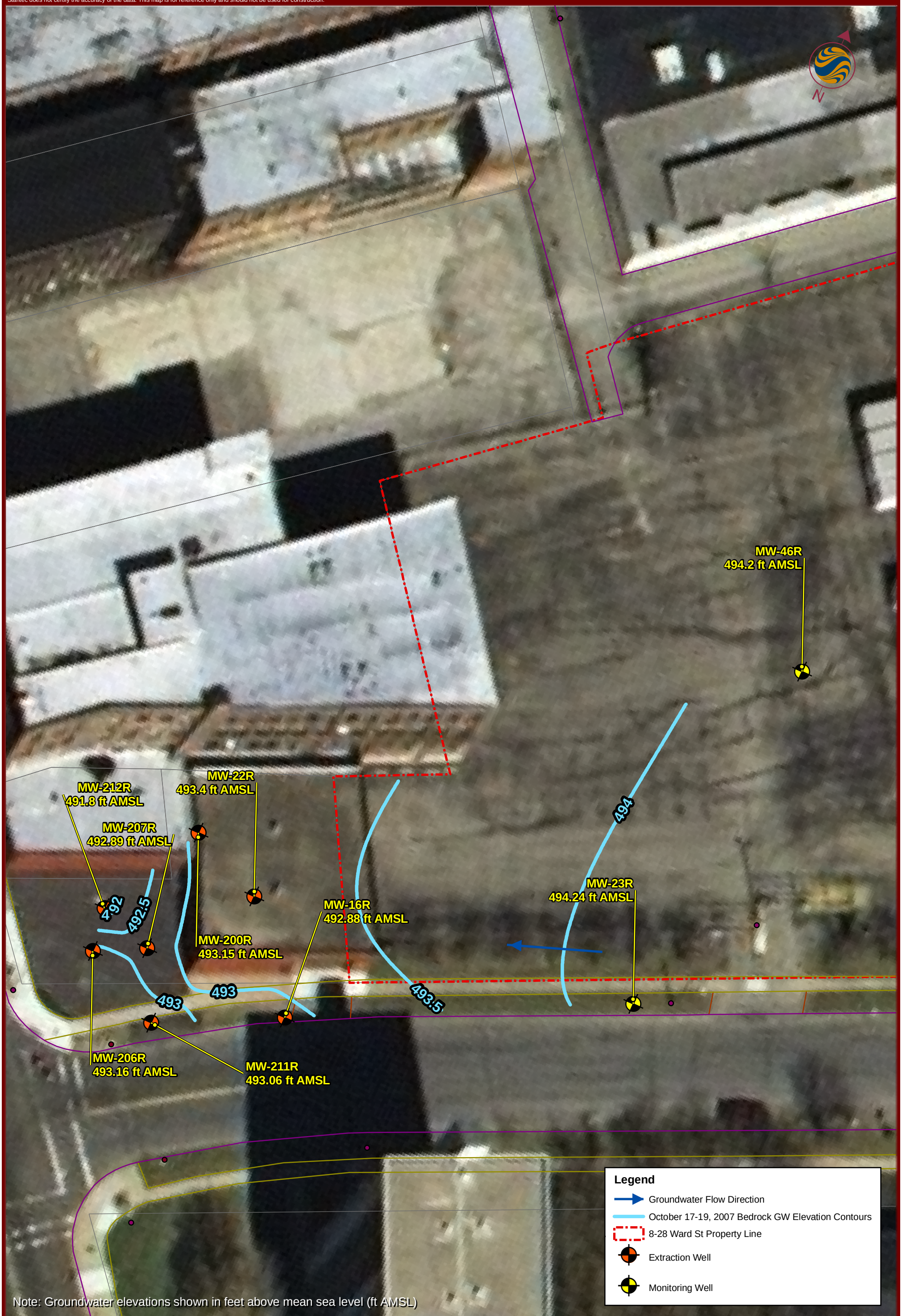
0 5 10 20 30 40 Feet

1 inch equals 30 feet

Figure 7 - Groundwater Elevation Plan - Bedrock Wells 10/10/2007

Remedial Investigation Report
8-28 Ward Street Site
Rochester, NY



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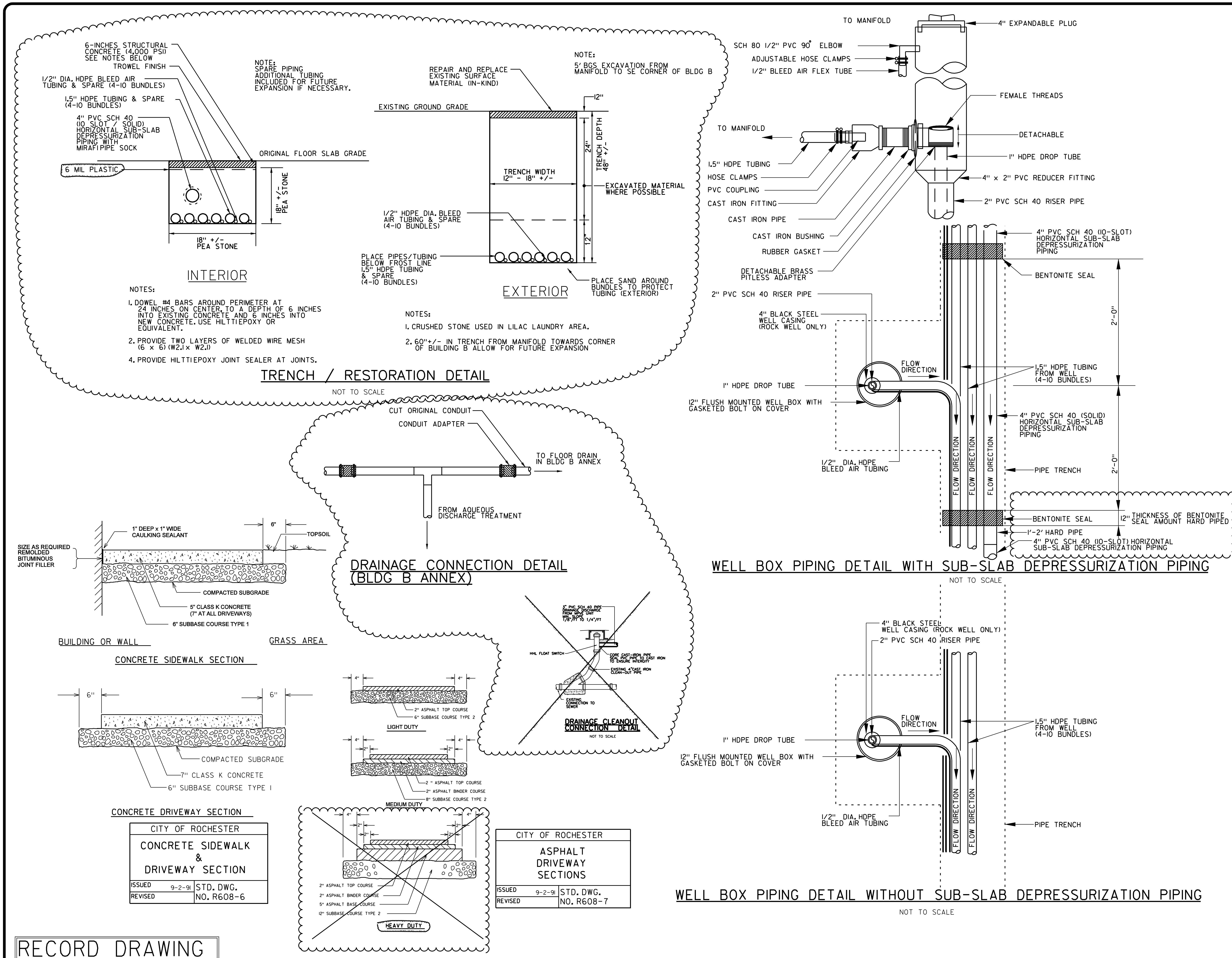
0 5 10 20 30 40 Feet

1 inch equals 30 feet

Figure 8 - Groundwater Elevation Plan - Bedrock Wells 10/17-19/2007

Remedial Investigation Report
8-28 Ward Street Site
Rochester, NY



No.	Revisions	Date	By
6			
5			
4			
3			
2			
1			
0	RECORD DRAWING	11/2006	APL

PROJECT ENGINEER/ARCHITECT D. BELASKAS, P.E.
PROJECT MANAGER M. STORONSKY
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SCALE AS SHOWN
FIRST ISSUE DATE NOVEMBER, 2006

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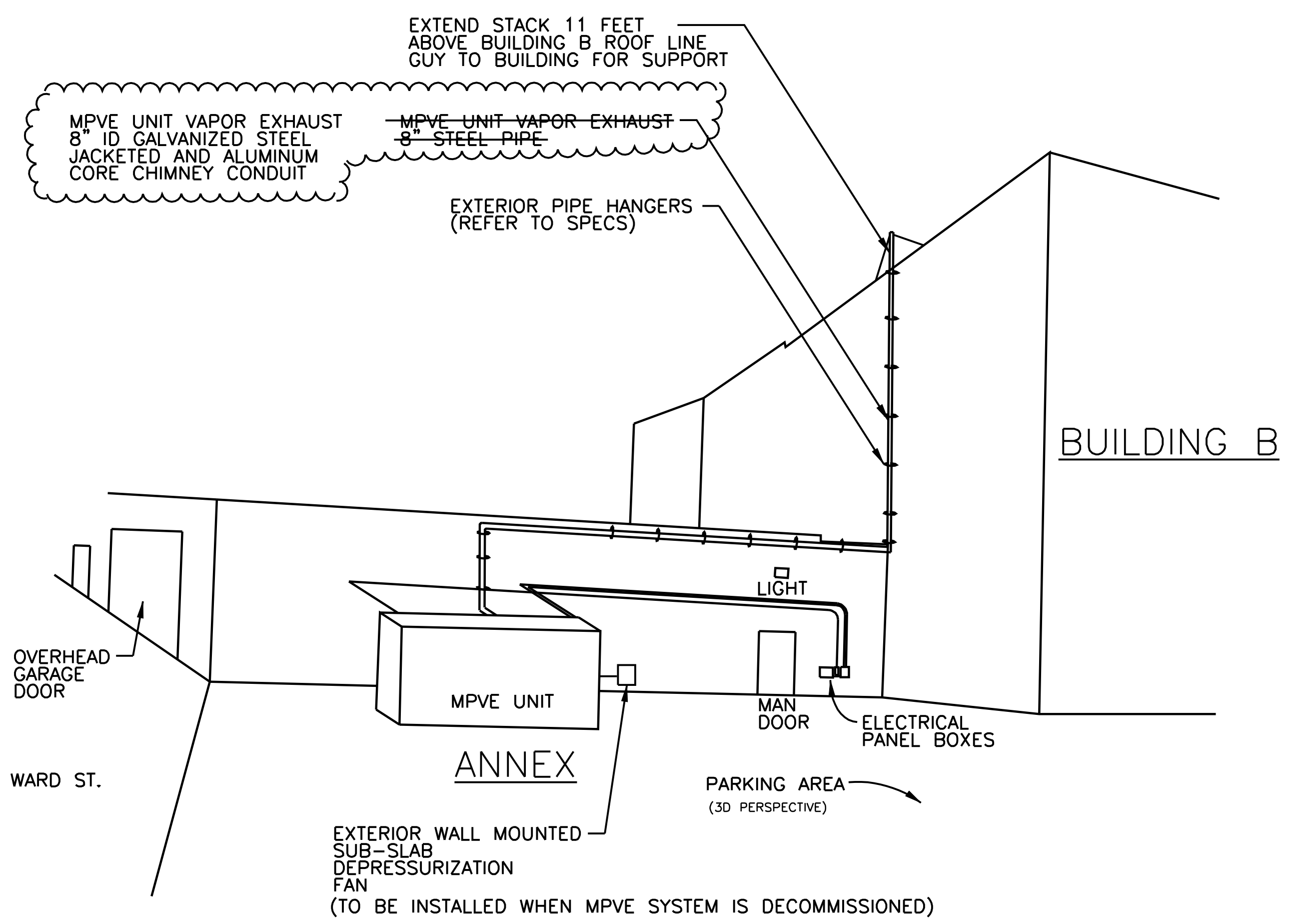
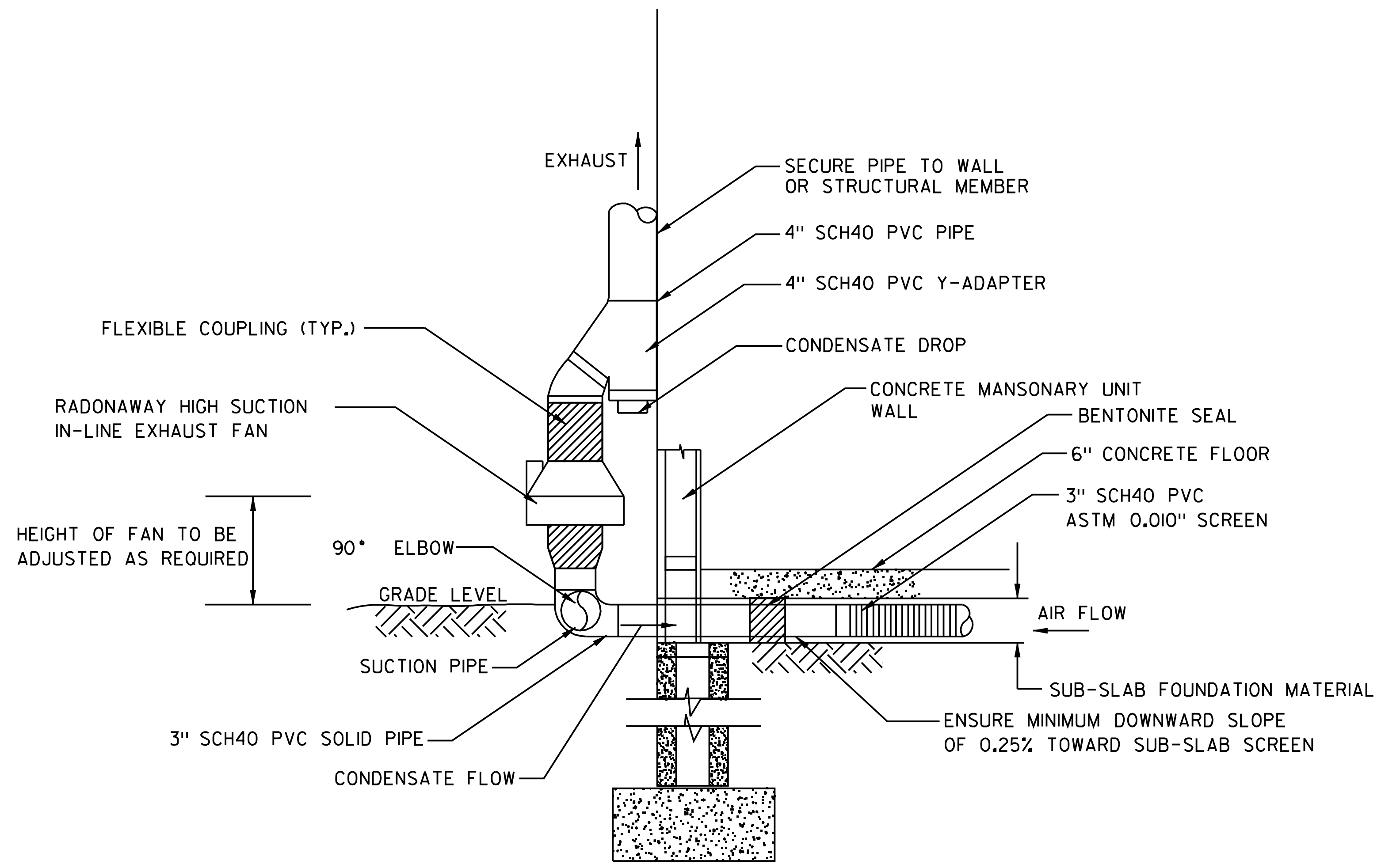
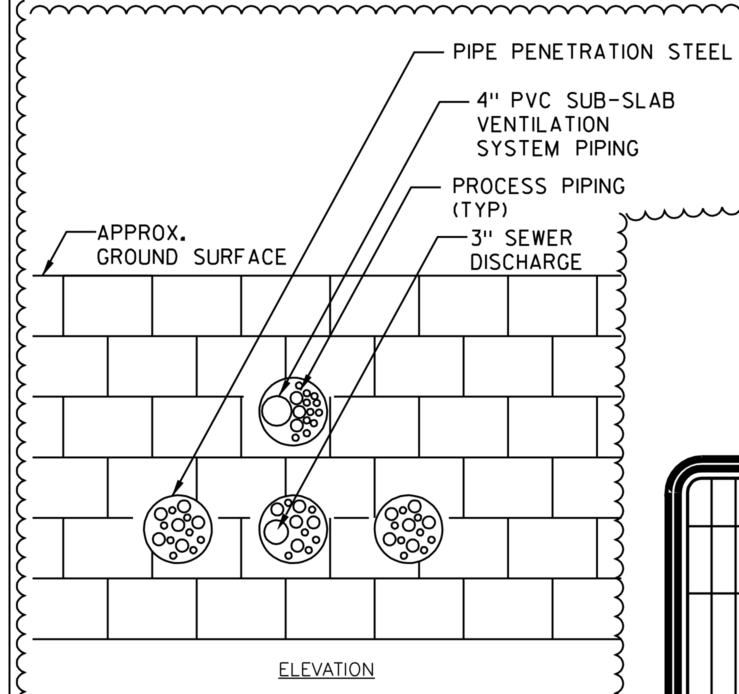
PROJECT: FINAL ENGINEERING REPORT, WARD STREET SITE, ROCHESTER, NEW YORK
TITLE OF DRAWING: DETAIL SHEET 1
PROJECT NO. 190500014
DRAWING NO. EN-6



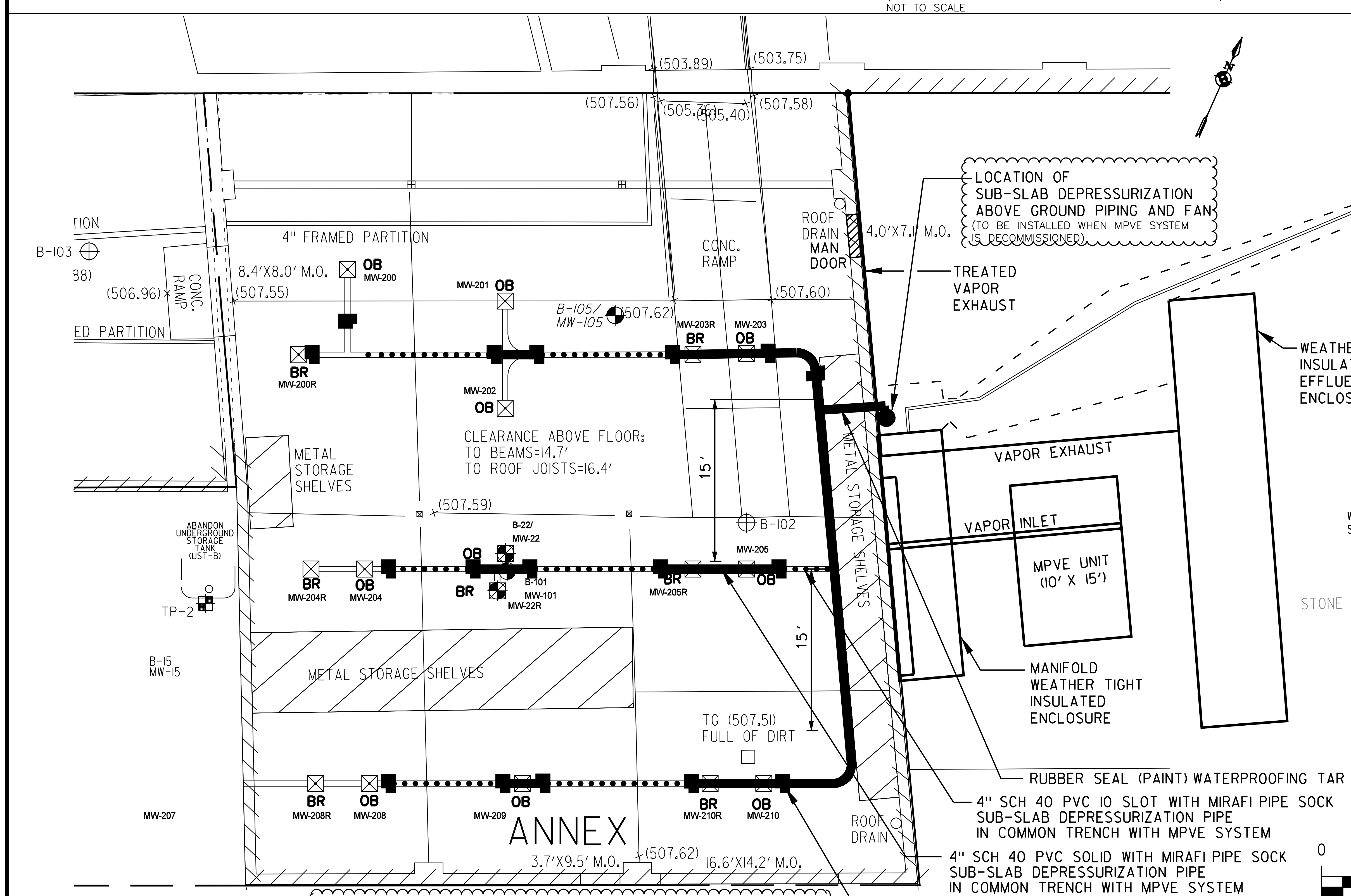
EXTERIOR MPVE EXHAUST DIAGRAM
NOT TO SCALE



SUB-SLAB DEPRESSURIZATION FAN INSTALLATION DETAIL
(TO BE INSTALLED WHEN MPVE SYSTEM IS DECOMMISSIONED)
NOT TO SCALE

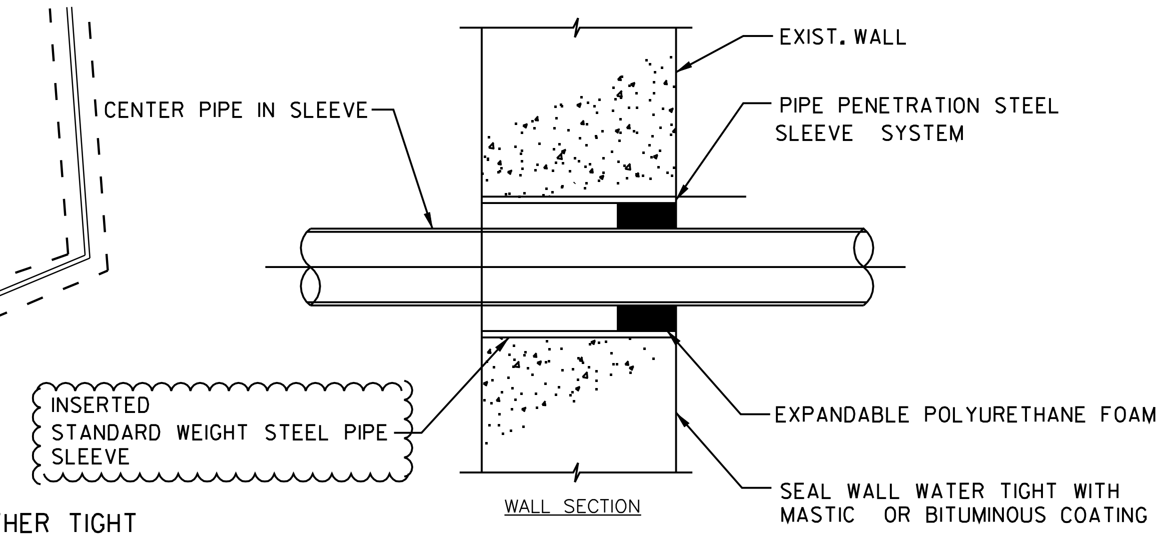


TYPICAL PIPE SLEEVE



RECORD DRAWING

SUB-SLAB DEPRESSURIZATION SYSTEM PLAN
SCALE : 1"=10'



TYPICAL PIPE SLEEVE
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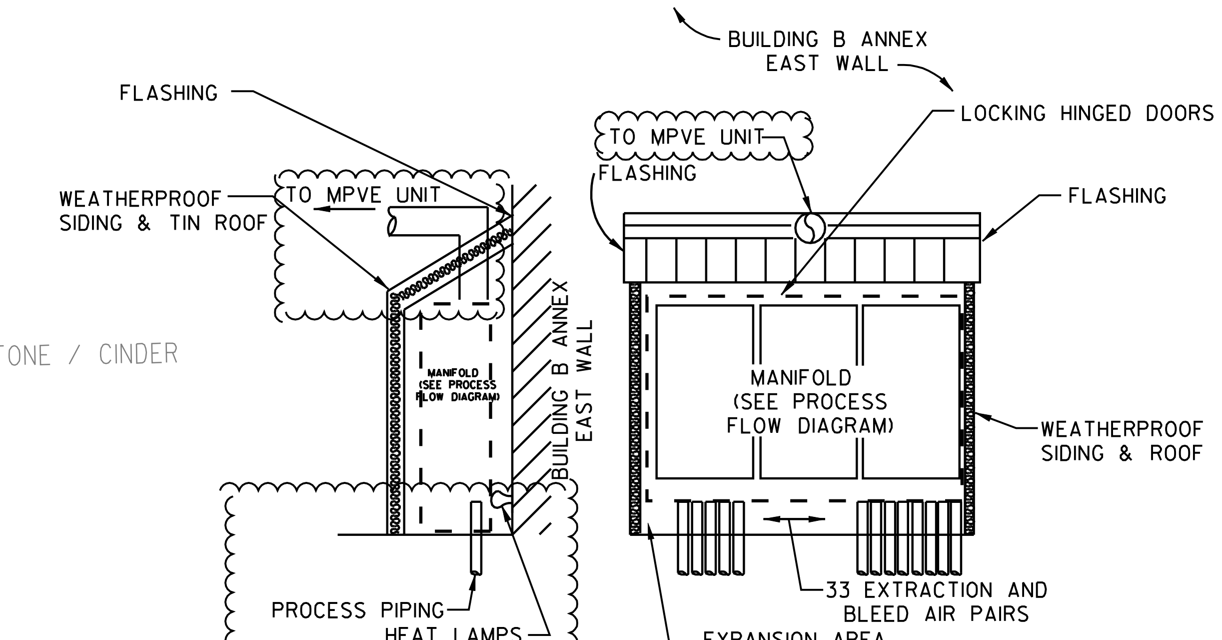
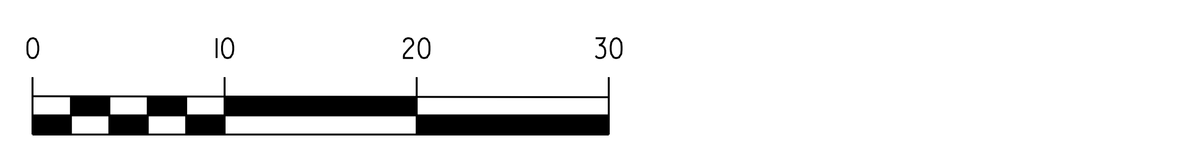


EXTERIOR MANIFOLD ENCLOSURE DETAIL
NOT TO SCALE



SCALE IN FEET

REV	DESCRIPTION	DATE	APP.	BY
6				
5				
4				
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2				
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0	RECORD DRAWING	1/2006		

REVISIONS

PROJECT ENGINEER/ARCHITECT
PROJECT MANAGER M. STORONSKY
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SCALE AS SHOWN
FIRST ISSUE DATE NOVEMBER, 2005

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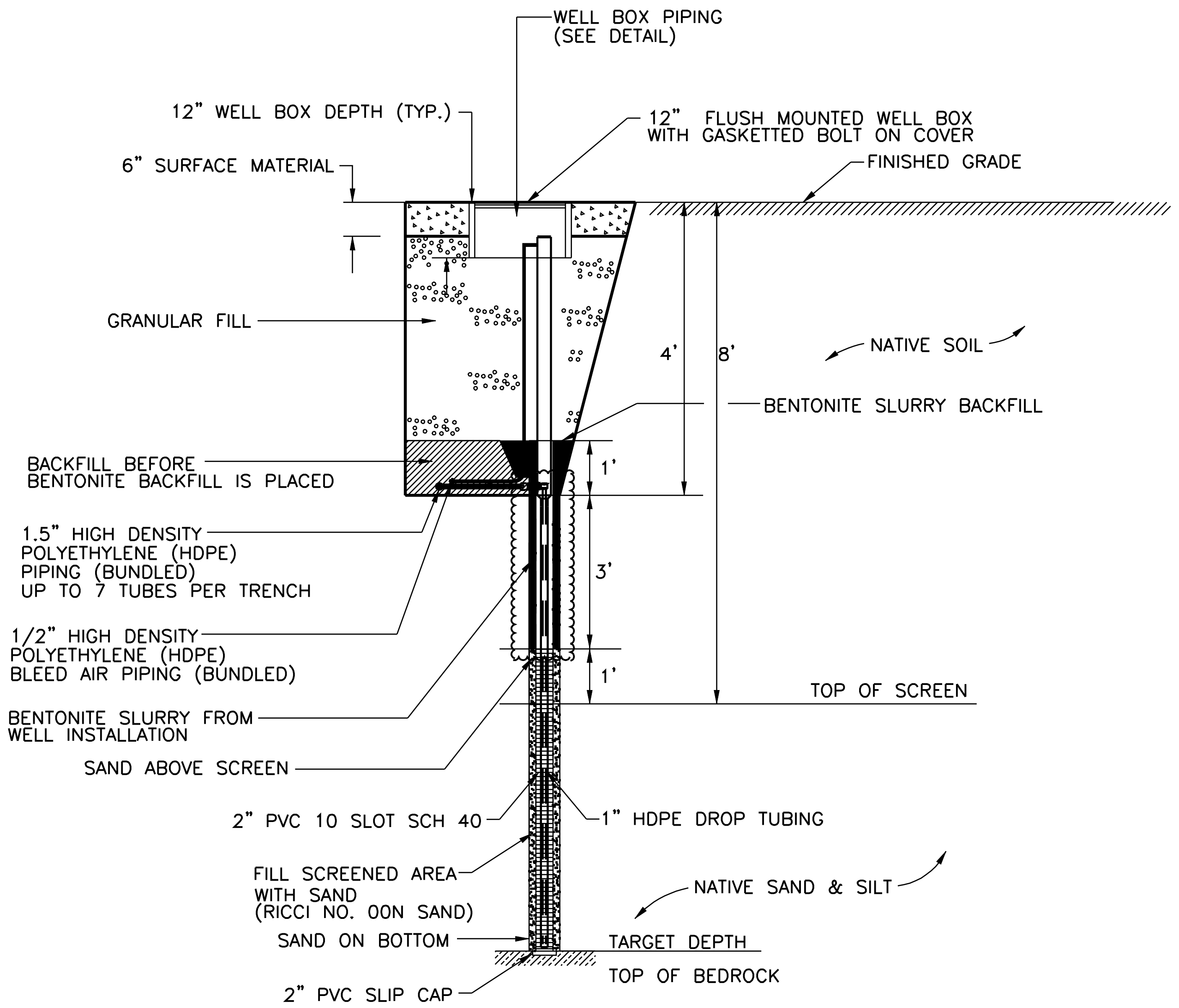
PROJECT
FINAL ENGINEERING REPORT
WARD STREET SITE
ROCHESTER, NEW YORK

TITLE OF DRAWING
DETAIL SHEET 2

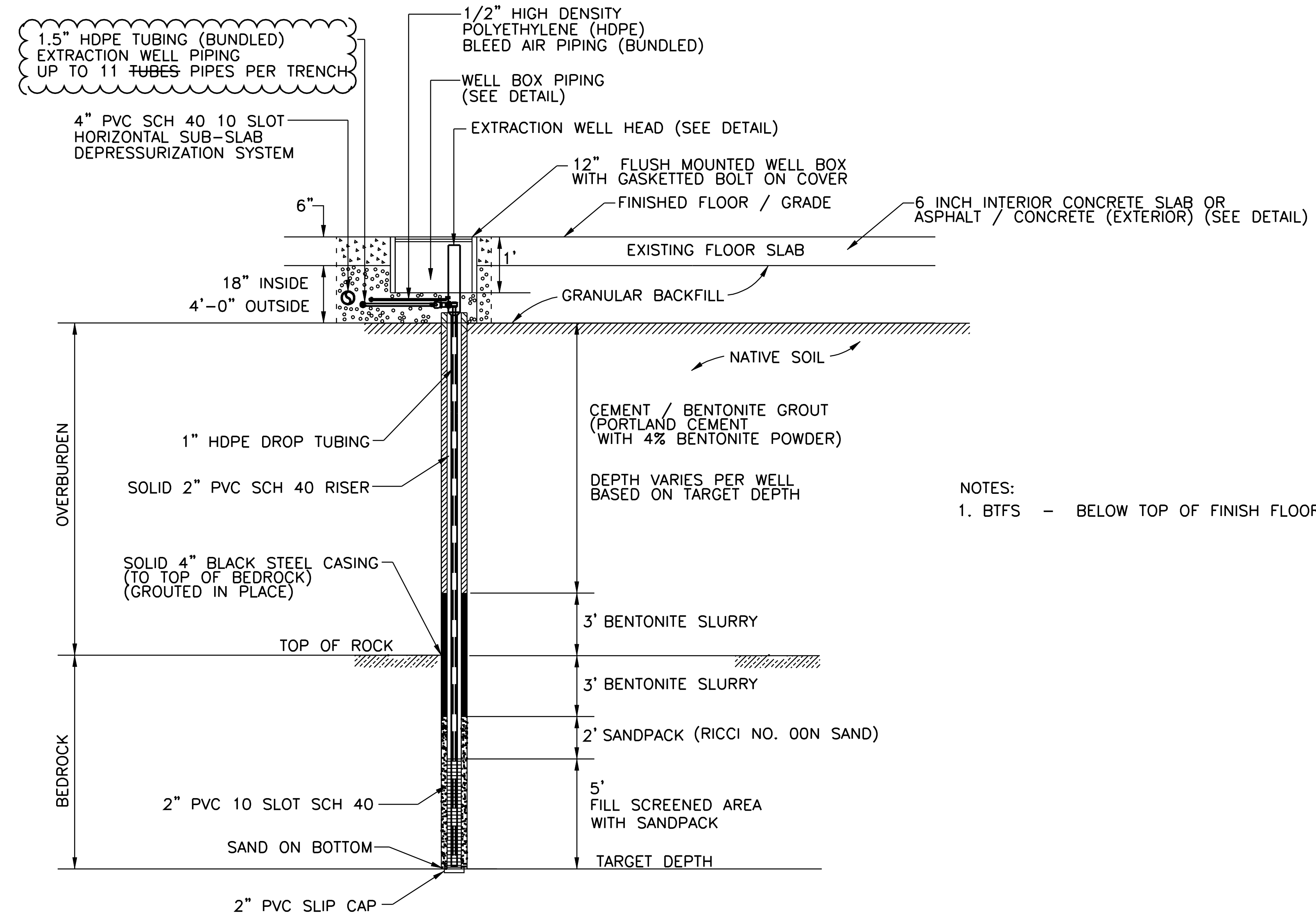
PROJECT NO.
190500014

DRAWING NO.
EN-7



EXTERIOR TOP OF ROCK EXTRACTION WELL DETAIL

NOT TO SCALE



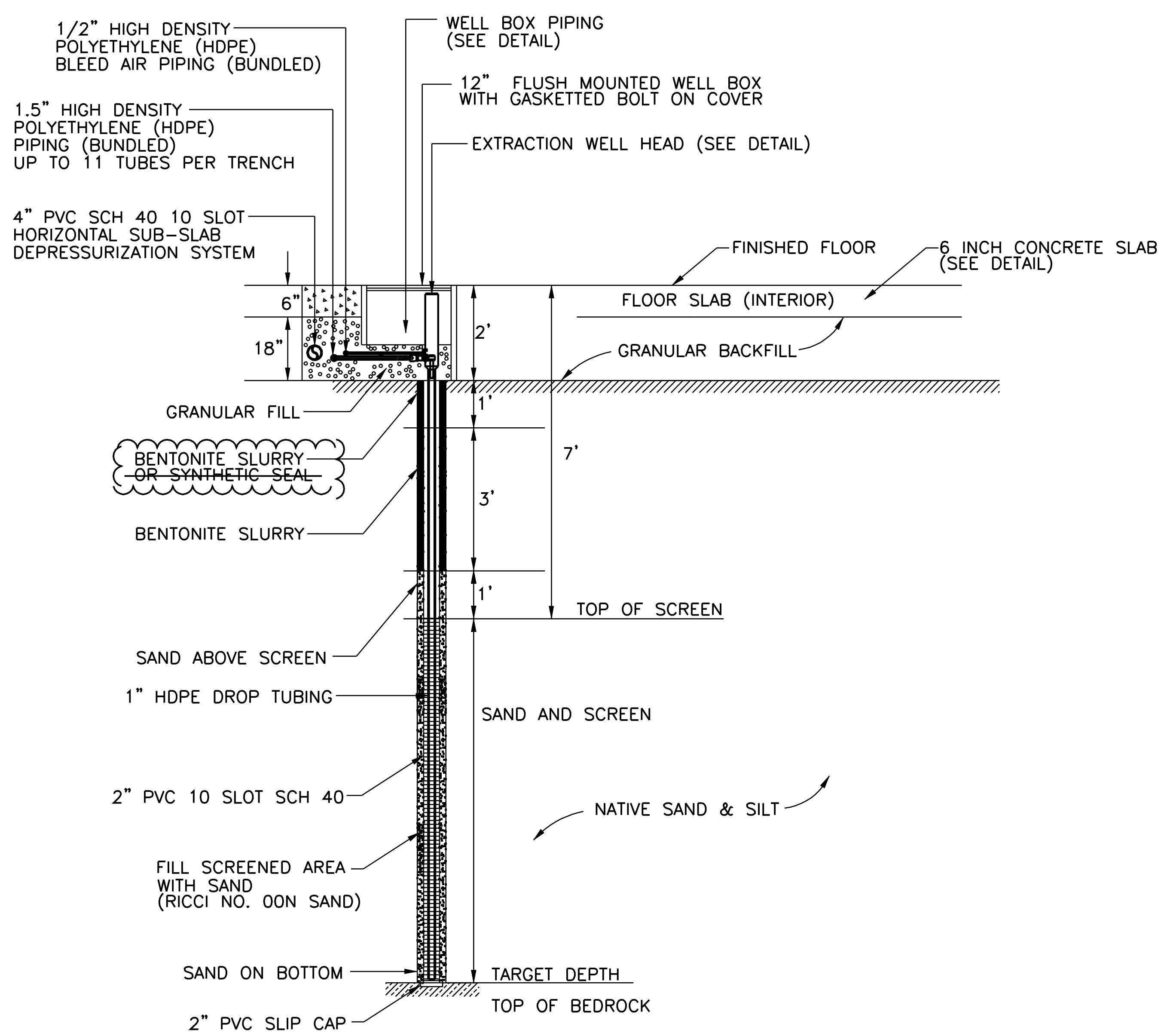
NOTES:
1. BTFS – BELOW TOP OF FINISH FLOOR

BEDROCK EXTRACTION WELL DETAIL

NOT TO SCALE

GENERAL NOTE:

1. SHOWN ARE TYPICAL WELL INSTALLATION DETAILS.
REFER TO TABLE 1 FOR ACTUAL WELL COMPLETION DETAILS.



INTERIOR TOP OF ROCK EXTRACTION WELL DETAIL – SCREEN 7' BGS

NOT TO SCALE

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0	RECORD DRAWING	8/2006	APL
	REVISIONS	DATE	BY

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PROJECT
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ROCHESTER, NEW YORK

TITLE OF DRAWING
DETAIL SHEET 3

PROJECT NO. 190500014
DRAWING NO. EN-8

Legend

Monitoring and Extraction Wells

Well Type

- Existing Extraction Well on Ward Street Site
- Proposed 8-28 Ward Street Site Extraction Well
- Existing Monitoring Well
- Existing MPVE System
- Proposed Trenching Limits
- Proposed Piping Alignment
- 8-28 Ward Street Site Property Line

Geographic Information Systems

Cartographic Design By: Marc Bouchard

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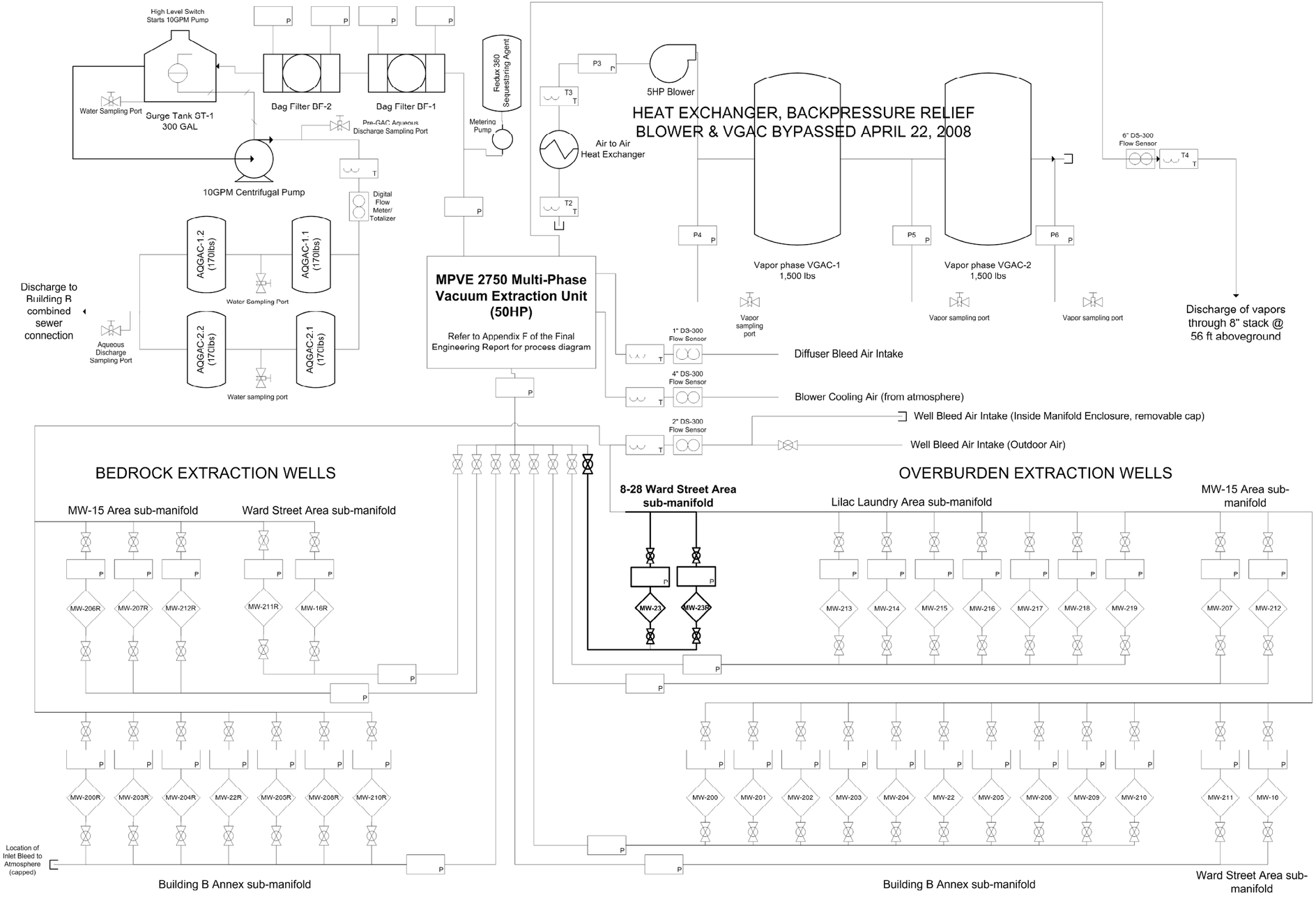
0 5 10 20 30 40 Feet

1 inch equals 20 feet

Figure 2 - Proposed Extraction Piping

Remedial Action Work Plan
8-28 Ward Street Site
Rochester, NY



Note: Items in bold are modifications proposed to the MPVE system to include the 8-28 Ward Street Site.

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Cartographic Design By: Marc Bouchard

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Figure 3 - Process Flow Diagram

Remedial Action Work Plan
8-28 Ward Street Site
Rochester, NY

Tables

TABLE 4
WATER LEVEL SUMMARY
REMEDIAL INVESTIGATION
8-28 WARD STREET
ROCHESTER, NEW YORK

Well	Reference Elevation (ft AMSL)	4/11/2007		7/10/2007		8/24/2007		10/10/2007		10/17/2007, 10/18/07	
		ft BTOC	Elev.	ft BTOC	Elev.	ft BTOC	Elev.	ft BTOC	Elev.	ft BTOC	Elev.
MW-23	507.29	10.08	497.21	11.98	495.31	NM	-	12.79	494.50	12.58	494.71
MW-23R	507.27	NM	-	NM	-	13.18	494.09	15.12	492.15	13.03	494.24
MW-45	506.96	NM	-	NM	-	13.51	493.45	13.26	493.70	12.36	494.60
MW-46	506.38	NM	-	NM	-	11.65	494.73	11.85	494.53	11.38	495.00
MW-46R	506.26	NM	-	NM	-	11.72	494.54	12.29	493.97	12.06	494.20
MW-47	506.29	NM	-	NM	-	11.07	495.22	11.38	494.91	11.23	495.06
GQ1/MW1	505.72	NM	-	NM	-	NM	-	NM	-	9.62	496.10
GQ2/MW2	507.58	9.29	498.29	12.63	494.95	NM	-	13.43	494.15	12.43	495.15
GQ3/MW3	507.35	Dry	-	Dry	-	NM	-	Dry	-	13.54	493.81
GQ4/MW4	506.44	NM	-	NM	-	NM	-	11.75	494.69	11.58	494.86
GQ8/MW5	506.83	8.56	498.27	11.29	495.54	NM	-	11.94	494.89	10.77	496.06

Notes:
1. ft. BTOC = feet below
2. NM = Not measured.
3. (-) = No data.

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TABLE 5
ANALYTICAL RESULTS SUMMARY
SOIL - VOCs
REMEDIAL INVESTIGATION, 8-28 WARD STREET, ROCHESTER, NEW YORK

Sample Location				B35	B36	B37	B38	B39	B40	MW23R	MW45		MW46	MW47
Sample Date				1-Aug-07	1-Aug-07	1-Aug-07	2-Aug-07	2-Aug-07	2-Aug-07	30-Jul-07	2-Aug-07	2-Aug-07	1-Aug-07	1-Aug-07
Sample ID		6NYCRR Part 375 Restricted-Use Soil Cleanup Objectives		828-B35-S(12-14)	828-B36-S(4-6)	828-B37-S(0-4)	828-B38-S(4-6)	828-B39-S(0-2)	828-B40-S(8-10)	828-MW23R-S (12-14)	828-MW45-S(4-6)	828-XX-S-DUP	828-MW46-S(12-14)	828-MW47-S(6-8)
Sample Depth				12 - 14 ft	4 - 6 ft	0 - 4 ft	4 - 6 ft	0 - 2 ft	8 - 10 ft	8 - 10 ft	4 - 6 ft	8 - 10 ft	12 - 14 ft	6 - 8 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory		Protection of Public Health at Commercial (A) and Industrial (B) Sites	Protection of Groundwater	STLAM	STLAM	STLAM	STLAM	STLAM	STLAM	STLAM	STLAM	STLAM	STLAM	STLAM
Laboratory Work Order				A078555	A078555	A078555	A078555	A078555	A078555	A078555	A078555	A078555	A078555	A078555
Laboratory Sample ID				A7875604	A7875603	A7875605	A7875607	A7875608	A7875609	A7855501	A7875613	A7875610	A7875611	A7875612
Sample Type	Units											Field Duplicate		
Volatile Organic Compounds														
Acetone	µg/kg	500000$_c$[A] 1000000$_d$[B]	50	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Benzene	µg/kg	44000[A] 89000[B]	60	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Bromodichloromethane	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Bromoform	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Bromomethane	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Carbon Disulfide	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	22000[A] 44000[B]	760	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Chlorinated Fluorocarbon (Freon 113)	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Chlorobenzene (Monochlorobenzene)	µg/kg	500000$_c$[A] 1000000$_d$[B]	1100	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Chloroethane	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Chloroform	µg/kg	350000[A] 700000[B]	370	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Chloromethane	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Cyclohexane	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Dibromo-3-Chloropropane (DBCP), 1,2-	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Dibromochloromethane	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Dichlorobenzene, 1,2-	µg/kg	500000$_c$[A] 1000000$_d$[B]	1100	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Dichlorobenzene, 1,3-	µg/kg	280000[A] 560000[B]	2400	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Dichlorobenzene, 1,4-	µg/kg	130000[A] 250000[B]	1800	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Dichlorodifluoromethane	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Dichloroethane, 1,1-	µg/kg	240000[A] 480000[B]	270	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Dichloroethane, 1,2-	µg/kg	30000[A] 60000[B]	20	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Dichloroethylene, 1,1-	µg/kg	500000$_c$[A] 1000000$_d$[B]	330	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Dichloroethylene, cis-1,2-	µg/kg	500000$_c$[A] 1000000$_d$[B]	250	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Dichloroethylene, trans-1,2-	µg/kg	500000$_c$[A] 1000000$_d$[B]	190	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Dichloropropane, 1,2-	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Dichloropropene, cis-1,3-	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Dichloropropene, trans-1,3-	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Ethylbenzene	µg/kg	390000[A] 780000[B]	1000	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Hexanone, 2-	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Isopropylbenzene	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Methyl Acetate	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Methyl Ethyl Ketone (MEK)	µg/kg	500000$_c$[A] 1000000$_d$[B]	120	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Methyl tert-butyl ether (MTBE)	µg/kg	500000$_c$[A] 1000000$_d$[B]	930	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Methylcylohexane	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Methylene Chloride (Dichloromethane)	µg/kg	500000$_c$[A] 1000000$_d$[B]	50	19 U	20 U	17 U	23 U	12 U	19 U	*1300 U*	24 U	22 U	22 U	12 U
Styrene	µg/kg	n/v	n/v	20 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Tetrachloroethane, 1,1,2,2-	µg/kg	n/v	n/v	17 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Tetrachloroethylene	µg/kg	150000[A] 300000[B]	1300	23 U	12 U	11 U	10 U	10 U	10 U	**9900**[X]	11 U	11 U	10 U	11 U
Toluene	µg/kg	500000$_c$[A] 1000000$_d$[B]	700	12 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	**2 J**	**1 J**	**1 J**	11 U
Trichlorobenzene, 1,2,4-	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U J	11 U	11 U	10 U	11 U
Trichloroethane, 1,1,1-	µg/kg	500000$_c$[A] 1000000$_d$[B]	680	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Trichloroethane, 1,1,2-	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Trichloroethylene	µg/kg	200000[A] 400000[B]	470	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Trichlorofluoromethane	µg/kg	n/v	n/v	11 U	12 U	11 U	10 U	10 U	10 U	1300 U	11 U	11 U	10 U	11 U
Vinyl chloride	µg/kg	13000[A] 27000[B]	20	11 U	12 U	11 U	10 U	10 U	10 U	*1300 U*	11 U	11 U	10 U	11 U
Xylenes, Total	µg/kg	500000$_c$[A] 1000000$_d$[B]	1600	33 U	34 U	34 U	31 U	31 U	31 U	*4000 U*	34 U	34 U	32 U	34 U

Notes:

6.5[A]	Concentration exceeds the indicated criteria.
2.5	Concentration is detected but does not exceed any of the criteria.
0.50 U	Laboratory estimated quantitation limit exceeded criteria.
0.03 U	The analyte was not detected above the laboratory estimated quantation limit and does not exceed any of the criteria.
c	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See 6 NYCRR Part 375 Technical Support Document section 9.3.
d	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg. See Technical Support Document section 9.3.
J	Indicates an estimated value.
n/v	No criteria/guideline value.

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TABLE 6
ANALYTICAL RESULTS SUMMARY, SOIL - SVOCs
REMEDIAL INVESTIGATION, 8-28 WARD STREET, ROCHESTER, NEW YORK

Sample Location				MW45		MW46	MW47
Sample Date				2-Aug-07	2-Aug-07	1-Aug-07	1-Aug-07
Sample ID		6NYCRR Part 375 Restricted-Use Soil Cleanup Objectives		828-MW45-S(8-10)	828-XX-S-DUP	828-MW46-S(14-16)	828-MW47-S(8-10)
Sample Depth				8 - 10 ft	8 - 10 ft	14 - 16 ft	8 - 10 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				STLAM	STLAM	STLAM	STLAM
Laboratory Work Order				A078555	A078555	A078555	A078555
Laboratory Sample ID				A7875606	A7875610	A7875601	A7875602
Sample Type	Units	Protection of Public Health at Commercial (A) and Industrial (B) Sites	Protection of Groundwater		Field Duplicate		
Semi - Volatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Acenaphthene	µg/kg	500000$_c$[A] 1000000$_d$[B]	98000	360 U	370 U	360 U	**R**
Acenaphthylene	µg/kg	500000$_c$[A] 1000000$_d$[B]	107000	360 U	370 U	360 U	360 U
Acetophenone	µg/kg	n/v	n/v	730 U	740 U	720 U	710 U
Anthracene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1000000$_d$	360 U	370 U	360 U	360 U
Atrazine	µg/kg	n/v	n/v	730 U	740 U	720 U	710 U
Benzaldehyde	µg/kg	n/v	n/v	730 U J	740 U J	720 U J	710 U J
Benzo(a)anthracene	µg/kg	5600[A] 11000[B]	1000	360 U	370 U	360 U	360 U
Benzo(a)pyrene	µg/kg	1000$_g$[A] 1100[B]	22000	360 U	370 U	360 U	360 U
Benzo(b)fluoranthene	µg/kg	5600[A] 11000[B]	1700	360 U	370 U	360 U	360 U
Benzo(g,h,i)perylene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1000000$_d$	360 U	370 U	360 U	360 U
Benzo(k)fluoranthene	µg/kg	56000[A] 110000[B]	1700	360 U	370 U	360 U	360 U
Benzyl Butyl Phthalate	µg/kg	n/v	n/v	360 U	370 U	**10 J**	360 U
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	n/v	730 U	740 U	720 U	710 U
bis(2-Chloroethoxy)methane	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Bis(2-Chloroethyl)ether	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Bis(2-Ethylhexyl)phthalate	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Bromophenyl Phenyl Ether, 4-	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Caprolactam	µg/kg	n/v	n/v	730 U J	740 U J	720 U J	710 U J
Carbazole	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Chloro-3-methyl phenol, 4-	µg/kg	n/v	n/v	360 U	370 U	360 U	**R**
Chloronaphthalene, 2-	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Chlorophenol, 2-	µg/kg	n/v	n/v	360 U	370 U	360 U	**R**
Chlorophenyl Phenyl Ether, 4-	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Chrysene	µg/kg	56000[A] 110000[B]	1000	360 U	370 U	360 U	360 U
Cresol, o- (Methylphenol, 2-)	µg/kg	500000$_c$[A] 1000000$_d$[B]	330	360 U	370 U	360 U	360 U
Cresol, p- (Methylphenol, 4-)	µg/kg	500000$_c$[A] 1000000$_d$[B]	330	360 U	370 U	360 U	360 U
Dibenzo(a,h)anthracene	µg/kg	560[A] 1100[B]	1000000$_d$	360 U	370 U	360 U	360 U
Dibenzofuran	µg/kg	350000[A] 1000000$_d$[B]	210000	360 U	370 U	360 U	360 U
Dichlorobenzidine, 3,3'-	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Dichlorophenol, 2,4-	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Diethyl Phthalate	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Dimethyl Phthalate	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Dimethylphenol, 2,4-	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Di-n-Butyl Phthalate	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Dinitro-o-cresol, 4,6-	µg/kg	n/v	n/v	920 U	920 U	910 U	900 U
Dinitrophenol, 2,4-	µg/kg	n/v	n/v	920 U	920 U	910 U	900 U
Dinitrotoluene, 2,4-	µg/kg	n/v	n/v	360 U	370 U	360 U	**R**
Dinitrotoluene, 2,6-	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Di-n-Octyl phthalate	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Fluoranthene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1000000$_d$	**14 J**	370 U	360 U	360 U
Fluorene	µg/kg	500000$_c$[A] 1000000$_d$[B]	386000	360 U	370 U	360 U	360 U
Hexachlorobenzene	µg/kg	6000[A] 12000[B]	n/v	360 U	370 U	360 U	360 U
Hexachlorobutadiene	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Hexachlorocyclopentadiene	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Hexachloroethane	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Indeno(1,2,3-cd)pyrene	µg/kg	5600[A] 11000[B]	8200	360 U	370 U	360 U	360 U
Isophorone	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Methylnaphthalene, 2-	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Naphthalene	µg/kg	500000$_c$[A] 1000000$_d$[B]	12000	360 U	370 U	360 U	360 U
Nitroaniline, 2-	µg/kg	n/v	n/v	920 U	920 U	910 U	900 U
Nitroaniline, 3-	µg/kg	n/v	n/v	920 U	920 U	910 U	900 U
Nitroaniline, 4-	µg/kg	n/v	n/v	920 U	920 U	910 U	900 U
Nitrobenzene	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Nitrophenol, 2-	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Nitrophenol, 4-	µg/kg	n/v	n/v	920 U	920 U	910 U	**R**
N-Nitrosodi-n-Propylamine	µg/kg	n/v	n/v	360 U	370 U	360 U	**R**
n-Nitrosodiphenylamine	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
p-Chloroaniline	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U
Pentachlorophenol	µg/kg	6700[A] 55000[B]	800	920 U	920 U	910 U	**R**
Phenanthrene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1000000$_d$	**13 J**	370 U	360 U	360 U
Phenol	µg/kg	500000$_c$[A] 1000000$_d$[B]	330	360 U	370 U	**10 J**	**R**
Pyrene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1000000$_d$	**12 J**	370 U	360 U	**R**
Trichlorophenol, 2,4,5-	µg/kg	n/v	n/v	920 U	920 U	910 U	900 U
Trichlorophenol, 2,4,6-	µg/kg	n/v	n/v	360 U	370 U	360 U	360 U

Notes:

2.5	Concentration is detected but does not exceed any of the criteria.
0.03 U	The analyte was not detected above the laboratory estimated quantation limit and does not exceed any of the criteria.
n/v	No criteria/guideline value.
-	Parameter not analyzed / not available.
c	The SCOs for commercial use were capped at a maximum value of 500 mg/kg.
d	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg.
g	For constituents where the calculated SCO was lower than the rural soil background concentration, the rural soil background concentration is used as the SCO value for this use of the site.
J	Indicates an estimated value.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control critera. The presence or absence of the analyte cannot be verified.

TABLE 7
ANALYTICAL RESULTS SUMMARY
SOIL - PCBs and Pesticides
REMEDIAL INVESTIGATION
8-28 WARD STREET
ROCHESTER, NEW YORK

Sample Location				MW45		MW46	MW47
Sample Date				2-Aug-07	2-Aug-07	1-Aug-07	1-Aug-07
Sample ID		6NYCRR Part 375 Restricted-Use Soil Cleanup Objectives		828-MW45-S(8-10)	828-XX-S-DUP	828-MW46-S(14-16)	828-MW47-S(8-10)
Sample Depth				8 - 10 ft	8 - 10 ft	14 - 16 ft	8 - 10 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				STLAM	STLAM	STLAM	STLAM
Laboratory Work Order				A078555	A078555	A078555	A078555
Laboratory Sample ID				A7875606	A7875610	A7875601	A7875602
Sample Type	Units	Protection of Public Health at Commercial (A) and Industrial (B) Sites	Protection of Groundwater		Field Duplicate		
Polychlorinated Biphenyls							
Aroclor 1016	µg/kg	1000[A] 25000[B]	3200	37 U	37 U	36 U	37 U
Aroclor 1221	µg/kg	1000[A] 25000[B]	3200	75 U	75 U	74 U	74 U
Aroclor 1232	µg/kg	1000[A] 25000[B]	3200	37 U	37 U	36 U	37 U
Aroclor 1242	µg/kg	1000[A] 25000[B]	3200	37 U	37 U	36 U	37 U
Aroclor 1248	µg/kg	1000[A] 25000[B]	3200	37 U	37 U	36 U	37 U
Aroclor 1254	µg/kg	1000[A] 25000[B]	3200	37 U	37 U	36 U	37 U
Aroclor 1260	µg/kg	1000[A] 25000[B]	3200	37 U	37 U	36 U	37 U
Pesticides							
Aldrin	µg/kg	680[A] 1400[B]	190	1.9 U	1.9 U	1.9 U	1.9 U
BHC, alpha-	µg/kg	3400[A] 6800[B]	20	1.9 U	1.9 U	1.9 U	1.9 U
BHC, beta-	µg/kg	3000[A] 14000[B]	90	1.9 U	1.9 U	1.9 U	1.9 U
Camphechlor (Toxaphene)	µg/kg	n/v	n/v	190 U	190 U	190 U	190 U
Chlordane, alpha-	µg/kg	24000[A] 47000[B]	2900	1.9 U	1.9 U	1.9 U	1.9 U
Chlordane, gamma-	µg/kg	n/v	n/v	1.9 U	1.9 U	1.9 U	1.9 U
DDD	µg/kg	92000[A] 180000[B]	14000	3.7 U	3.7 U	3.6 U	3.7 U
DDE	µg/kg	62000[A] 120000[B]	17000	3.7 U	3.7 U	3.6 U	3.7 U
DDT	µg/kg	47000[A] 94000[B]	136000	3.7 U	3.7 U	3.6 U	3.7 U
delta-BHC	µg/kg	500000[c,g][A] 1000000[d,g][B]	250	1.9 U	1.9 U	1.9 U	1.9 U
Dieldrin	µg/kg	1400[A] 2800[B]	100	3.7 U	3.7 U	3.6 U	3.7 U
Endosulfan I	µg/kg	200000[j][A] 920000[j][B]	102000	1.9 U	1.9 U	1.9 U	1.9 U
Endosulfan II	µg/kg	200000[j][A] 920000[j][B]	102000	3.7 U	3.7 U	3.6 U	3.7 U
Endosulfan Sulfate	µg/kg	200000[j][A] 920000[j][B]	1000000[d]	3.7 U	3.7 U	3.6 U	3.7 U
Endrin	µg/kg	89000[A] 410000[B]	60	3.7 U	3.7 U	3.6 U	3.7 U
Endrin Aldehyde	µg/kg	n/v	n/v	3.7 U	3.7 U	3.6 U	3.7 U
Endrin Ketone	µg/kg	n/v	n/v	3.7 U	3.7 U	3.6 U	3.7 U
Heptachlor	µg/kg	15000[A] 29000[B]	380	1.9 U	1.9 U	1.9 U	1.9 U
Heptachlor Epoxide	µg/kg	n/v	n/v	1.9 U	1.9 U	1.9 U	1.9 U
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	9200[A] 23000[B]	100	1.9 U	1.9 U	1.9 U	1.9 U
Methoxychlor (4,4'-Methoxychlor)	µg/kg	n/v	n/v	19 U	19 U	19 U	19 U

Notes:

0.03 U	The analyte was not detected above the laboratory estimated quantation limit and does not exceed any of the criteria.
n/v	No criteria/guideline value.
-	Parameter not analyzed / not available.
c,g	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See 6 NYCRR Part 375 Technical Support Document section 9.3. For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the SCO value for this use of the site.
d,g	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg. See 6 NYCRR Part 375 Technical Support Document section 9.3. For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the SCO value for this use of the site.
A j	This SCO is the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
B j	This SCO is the sum of endosulfan I, endosulfan II, and endosulfan sulfate.

TABLE 8
ANALYTICAL RESULTS SUMMARY
SOIL - METALS
REMEDIAL INVESTIGATION
8-28 WARD STREET
ROCHESTER, NEW YORK

Sample Location				MW45		MW46		MW47
Sample Date				2-Aug-07	2-Aug-07	1-Aug-07	1-Aug-07	1-Aug-07
Sample ID		6NYCRR Part 375 Restricted-Use Soil Cleanup Objectives		828-MW45-S(8-10)	828-XX-S-DUP	828-MW46-S(14-16)	828-MW46-S(14-16)LR	828-MW47-S(8-10)
Sample Depth				8 - 10 ft	8 - 10 ft	14 - 16 ft	14 - 16 ft	8 - 10 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				STLAM	STLAM	STLAM	STLAM	STLAM
Laboratory Work Order				A078555	A078555	A078555	A078555	A078555
Laboratory Sample ID				A7875606	A7875610	A7875601	A7875601MD	A7875602
Sample Type	Units	Protection of Public Health at Commercial (A) and Industrial (B) Sites	Protection of Groundwater		Field Duplicate		Lab Replicate	
Metals								
Aluminum	mg/kg	n/v	n/v	**3490 ***	**3390 ***	**2830 ***	**3475**	**2380 ***
Antimony	mg/kg	n/v	n/v	7.1 U	7.0 U	6.1 U	7.0098 U	6.9 U
Arsenic	mg/kg	16_q [A] 16_q [B]	16	**2.6**	**2.7**	**2.3**	**2.3**	**2.0**
Barium	mg/kg	400 [A] 10000_e [B]	820	**26.2**	**25.5**	**17.6 B**	**18.9 B**	**18.3 B**
Beryllium	mg/kg	590 [A] 2700 [B]	47	**0.22 B**	**0.23 B**	**0.18 B**	**0.20 B**	**0.17 B**
Cadmium	mg/kg	9.3 [A] 60 [B]	7.5	**0.07 B**	**0.11 B**	**0.13 B**	**0.07 B**	**0.10 B**
Calcium	mg/kg	n/v	n/v	**43800 J**	**59000 J**	**48000 J**	**50914**	**54100 J**
Chromium (Total)	mg/kg	n/v	n/v	**5.9**	**5.5**	**5.4**	**6.2**	**4.4**
Cobalt	mg/kg	n/v	n/v	**3.4 B**	**3.5 B**	**2.8 B**	**3.3 B**	**2.3 B**
Copper	mg/kg	270 [A] 10000_e [B]	1720	**8.3**	**8.6**	**7.1**	**6.5**	**5.4**
Iron	mg/kg	n/v	n/v	**8890 J**	**8930 J**	**8320 J**	**9492**	**6910 J**
Lead	mg/kg	1000 [A] 3900 [B]	450	**5.2 J**	**5.7 J**	**2.8 J**	**3.1 J**	**2.7 J**
Magnesium	mg/kg	n/v	n/v	**9870**	**12200**	**14000**	**12912**	**20400**
Manganese	mg/kg	10000_e [A] 10000_e [B]	2000	**279 J**	**304 J**	**311 J**	**361**	**235 J**
Mercury	mg/kg	2.8_k [A] 5.7_k [B]	0.73	0.094 U	0.11 U	0.11 U	0.0957 U	0.11 U
Nickel	mg/kg	310 [A] 10000_e [B]	130	**6.5**	**6.5**	**5.7**	**6.7**	**4.6 B**
Potassium	mg/kg	n/v	n/v	**742 ***	**855 ***	**596 ***	**771**	**703 ***
Selenium	mg/kg	1500 [A] 6800 [B]	4	4.2 U	4.1 U	3.5 U	4.0891 U	4.0 U
Silver	mg/kg	1500 [A] 6800 [B]	8.3	1.2 U	1.2 U	1.0 U	1.1683 U	1.2 U
Sodium	mg/kg	n/v	n/v	**917**	**936**	**173 B**	**160 B**	**992**
Thallium	mg/kg	n/v	n/v	3.0 U J	2.9 U J	2.5 U J	2.9208 U	2.9 U J
Vanadium	mg/kg	n/v	n/v	**10.1**	**9.4**	**9.3**	**10.5**	**7.8**
Zinc	mg/kg	10000_e [A] 10000_e [B]	2480	**16.9**	**15.6**	**11.5**	**16.0**	**9.4**

Notes:

2.5	Concentration is detected but does not exceed any of the criteria.
0.03 U	The analyte was not detected above the laboratory estimated quantation limit and does not exceed any of the criteria.
n/v	No criteria/guideline value.
$_e$ [A]	The SCOs for metals were capped at a maximum value of 10,000 mg/kg. See 6 NYCRR Part 375 Technical Support Document section 9.3.
$_e$ [B]	The SCOS for metals were capped at a maximum value of 10,000 mg/kg. See 6 NYCRR Part 375 Technical Support Document section 9.3.
$_g$ [A]	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the SCO value for this use of the site.
$_g$ [B]	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the SCO value for this use of the site.
$_k$ [A]	This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See 6 NYCRR Part 375 Technical Support Document Table 5.6-1.
$_k$ [B]	This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See 6 NYCRR Part 375 Technical Support Document Table 5.6-1.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
J	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.

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TABLE 9
ANALYTICAL RESULTS SUMMARY
GROUNDWATER - VOCs
REMEDIAL INVESTIGATION, 8-28 WARD STREET, ROCHESTER, NEW YORK

Sample Location			GQ1/MW1	GQ2/MW2	GQ4/MW4	GQ8/MW5	MW23	MW23R	MW45	MW46		MW46R	MW47	Trip Blank
Sample Date			17-Oct-07	18-Oct-07	17-Oct-07	18-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07
Sample ID			828-GQ1/MW-1-GW	828-GQ1/MW-2-GW	828-GQ1/MW-4-GW	828-GQ1/MW-5-GW	828-MW-23-GW	828-MW-23R-GW	828-MW-45-GW	828-MW-46-GW	828-MW-46-GW-DU	828-MW-46R-GW	828-MW-47-GW	828-MW-W-TB
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALBF	TALBF	TALBF	TALBF	TALBF	TALBF	TALBF	TALBF	TALBF	TALBF	TALBF	TALBF
Laboratory Work Order			A07C076	A07C076	A07C076	A07C076	A07C076	A07C076	A07C076	A07C076	A07C076	A07C076	A07C076	A07C076
Laboratory Sample ID			A7C07609	A7C07611	A7C07608	A7C07612	A7C07610	A7C07607	A7C07602	A7C07603	A7C07606	A7C07604	A7C07605	A7C07601
Sample Type	Units	TOGS									Field Duplicate			Trip Blank
Volatile Organic Compounds														
Acetone	µg/L	50[A]	10 U J	**2 J**	10 U J	50 U	***80 U***	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	µg/L	1[B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Bromodichloromethane	µg/L	50[A]	10 U J	10 U J	10 U J	50 U	***80 U***	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	µg/L	50[A]	10 U J	10 U J	10 U J	50 U	***80 U***	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Carbon Disulfide	µg/L	60[A]	10 U J	10 U J	10 U J	50 U	***80 U***	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Chlorinated Fluorocarbon (Freon 113)	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Chlorobenzene (Monochlorobenzene)	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Chloroethane	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Chloroform	µg/L	7[B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Chloromethane	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Cyclohexane	µg/L	n/v	10 U J	10 U J	10 U J	50 U	80 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromo-3-Chloropropane (DBCP), 1,2-	µg/L	0.04[B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Dibromochloromethane	µg/L	50[A]	10 U J	10 U J	10 U J	50 U	***80 U***	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	µg/L	3[B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Dichlorobenzene, 1,3-	µg/L	3[B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Dichlorobenzene, 1,4-	µg/L	3[B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Dichlorodifluoromethane	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Dichloroethane, 1,1-	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Dichloroethane, 1,2-	µg/L	0.6[B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Dichloroethylene, 1,1-	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	**2 J**	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Dichloroethylene, cis-1,2-	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	**66 J[B]**	**600 J[B]**	**87[B]**	***10 U***	***10 U***	***10 U***	**1 J**	***10 U***
Dichloroethylene, trans-1,2-	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	**2 J**	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Dichloropropane, 1,2-	µg/L	1[B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Dichloropropene, cis-1,3-	µg/L	0.4[p,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Dichloropropene, trans-1,3-	µg/L	0.4[p,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Ethylbenzene	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Hexanone, 2-	µg/L	50[A]	10 U J	10 U J	10 U J	50 U	***80 U***	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Methyl Acetate	µg/L	n/v	10 U J	10 U J	10 U J	50 U	80 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Ethyl Ketone (MEK)	µg/L	50[A]	10 U J	10 U J	10 U J	50 U	***80 U***	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	10 U J	10 U J	10 U J	50 U	80 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	10 U J	10 U J	10 U J	***50 U***	***80 U***	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcylohexane	µg/L	n/v	10 U J	10 U J	10 U J	50 U	80 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride (Dichloromethane)	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	**7 J[B]**	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Styrene	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Tetrachloroethane, 1,1,2,2-	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Tetrachloroethylene	µg/L	5[**,B]	***10 U J***	***10 U J***	**1 J**	***50 U***	**810[B]**	**72[B]**	**2 J**	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Toluene	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Trichlorobenzene, 1,2,4-	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U J***	***80 U J***	***10 U J***	***10 U J***	***10 U J***	***10 U J***	***10 U J***	***10 U J***	***10 U J***
Trichloroethane, 1,1,1-	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Trichloroethane, 1,1,2-	µg/L	1[B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Trichloroethylene	µg/L	5[**,B]	***10 U J***	**2 J**	**4 J**	***50 U***	**40 J[B]**	**41[B]**	***10 U***	***10 U***	***10 U***	***10 U***	**3 J**	***10 U***
Trichlorofluoromethane	µg/L	5[**,B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Vinyl chloride	µg/L	2[B]	***10 U J***	***10 U J***	***10 U J***	***50 U***	***80 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***	***10 U***
Xylenes, Total	µg/L	5[**,B]	***30 U J***	***30 U J***	***30 U J***	***150 U***	***240 U***	***30 U***	***30 U***	***30 U***	***30 U***	***30 U***	***30 U***	***30 U***

Notes:

TOGS NYSDEC. October 22, 1993. Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Ambient Water Quality Standards and Guidance Values, Reissued June 1998. April 2000 Addendum.

[A] TOGS Guidance

[B] TOGS Standards

6.5[A] Concentration exceeds the indicated criteria.

2.5 Concentration is detected but does not exceed any of the criteria.

0.50 U Laboratory estimated quantitation limit exceeded criteria.

0.03 U The analyte was not detected above the laboratory estimated quantation limit.

n/v No criteria/guideline value.

- Parameter not analyzed / not available.

** The principal organic contaminant standard fro groundwater of 5 ug/l (described elsewhere in the Table) applies to this substance.

[p] Applies to the sum of cis- and trans-1,3-dichloropropene, CAS No. 10061-01-5 and 10061-02-6 respectively.

J Indicates an estimated value.

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TABLE 10
ANALYTICAL RESULTS SUMMARY, GROUNDWATER - SVOCs
REMEDIAL INVESTIGATION, 8-28 WARD STREET, ROCHESTER, NEW YORK

Sample Location			MW45	MW46		MW47
Sample Date			17-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07
Sample ID			828-MW-45-GW	828-MW-46-GW	828-MW-46-GW-DU	828-MW-47-GW
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALBF	TALBF	TALBF	TALBF
Laboratory Work Order			A07C076	A07C076	A07C076	A07C076
Laboratory Sample ID			A7C07701	A7C07702	A7C07901	A7C07703
Sample Type	Units	TOGS			Field Duplicate	
Semi - Volatile Organic Compounds						
2,2-oxybis(1-Chloropropane)	µg/L	5** [B]	***10 U***	***9 U***	***10 U***	***9 U***
Acenaphthene	µg/L	20 [B]	10 U	9 U	10 U	9 U
Acenaphthylene	µg/L	n/v	10 U	9 U	10 U	9 U
Acetophenone	µg/L	n/v	10 U	9 U	10 U	9 U
Anthracene	µg/L	50 [A]	10 U	9 U	10 U	9 U
Atrazine	µg/L	7.5 [B]	***10 U***	***9 U***	***10 U***	***9 U***
Benzaldehyde	µg/L	n/v	10 U	9 U	10 U	9 U
Benzo(a)anthracene	µg/L	0.002 [A]	***10 U***	***9 U***	***10 U***	***9 U***
Benzo(a)pyrene	µg/L	n/v	10 U	9 U	10 U	9 U
Benzo(b)fluoranthene	µg/L	0.002 [A]	***10 U***	***9 U***	***10 U***	***9 U***
Benzo(g,h,i)perylene	µg/L	n/v	10 U	9 U	10 U	9 U
Benzo(k)fluoranthene	µg/L	0.002 [A]	***10 U***	***9 U***	***10 U***	***9 U***
Benzyl Butyl Phthalate	µg/L	50 [A]	10 U	9 U	10 U	9 U
Biphenyl, 1,1'- (Biphenyl)	µg/L	5** [B]	***10 U***	***9 U***	***10 U***	***9 U***
bis(2-Chloroethoxy)methane	µg/L	5** [B]	***10 U***	***9 U***	***10 U***	***9 U***
Bis(2-Chloroethyl)ether	µg/L	1 [B]	***10 U***	***9 U***	***10 U***	***9 U***
Bis(2-Ethylhexyl)phthalate	µg/L	5 [B]	***10 U***	***9 U***	***21 U***	***9 U***
Bromophenyl Phenyl Ether, 4-	µg/L	n/v	10 U	9 U	10 U	9 U
Caprolactam	µg/L	n/v	10 U J	9 U J	10 U J	9 U J
Carbazole	µg/L	n/v	10 U	9 U	10 U	9 U
Chloro-3-methyl phenol, 4-	µg/L	n/v	10 U	9 U	10 U	9 U
Chloronaphthalene, 2-	µg/L	10 [B]	10 U	9 U	10 U	9 U
Chlorophenol, 2-	µg/L	n/v	10 U	9 U	10 U	9 U
Chlorophenyl Phenyl Ether, 4-	µg/L	n/v	10 U	9 U	10 U	9 U
Chrysene	µg/L	0.002 [A]	***10 U***	***9 U***	***10 U***	***9 U***
Cresol, o- (Methylphenol, 2-)	µg/L	n/v	10 U	9 U	10 U	9 U
Cresol, p- (Methylphenol, 4-)	µg/L	n/v	10 U	9 U	10 U	9 U
Dibenzo(a,h)anthracene	µg/L	n/v	10 U	9 U	10 U	9 U
Dibenzofuran	µg/L	n/v	10 U	9 U	10 U	9 U
Dichlorobenzidine, 3,3'-	µg/L	5** [B]	***10 U***	***9 U***	***10 U***	***9 U***
Dichlorophenol, 2,4-	µg/L	5** [B]	***10 U***	***9 U***	***10 U***	***9 U***
Diethyl Phthalate	µg/L	50 [A]	10 U	9 U	10 U	**0.5 J**
Dimethyl Phthalate	µg/L	50 [A]	10 U	9 U	10 U	9 U
Dimethylphenol, 2,4-	µg/L	50 [A]	10 U	9 U	10 U	9 U
Di-n-Butyl Phthalate	µg/L	50 [B]	10 U	9 U	10 U	9 U
Dinitro-o-cresol, 4,6-	µg/L	n/v	24 U	24 U	25 U	24 U
Dinitrophenol, 2,4-	µg/L	10 [A]	***24 U***	***24 U***	***25 U***	***24 U***
Dinitrotoluene, 2,4-	µg/L	5** [B]	***10 U***	***9 U***	***10 U***	***9 U***
Dinitrotoluene, 2,6-	µg/L	5** [B]	***10 U***	***9 U***	***10 U***	***9 U***
Di-n-Octyl phthalate	µg/L	50 [A]	10 U	9 U	10 U	9 U
Fluoranthene	µg/L	50 [A]	10 U	9 U	10 U	9 U
Fluorene	µg/L	50 [A]	10 U	9 U	10 U	9 U
Hexachlorobenzene	µg/L	0.04 [B]	***10 U***	***9 U***	***10 U***	***9 U***
Hexachlorobutadiene	µg/L	0.5 [B]	***10 U***	***9 U***	***10 U***	***9 U***
Hexachlorocyclopentadiene	µg/L	5** [B]	***10 U***	***9 U***	***10 U***	***9 U***
Hexachloroethane	µg/L	5** [B]	***10 U***	***9 U***	***10 U***	***9 U***
Indeno(1,2,3-cd)pyrene	µg/L	0.002 [A]	***10 U***	***9 U***	***10 U***	***9 U***
Isophorone	µg/L	50 [A]	10 U	9 U	10 U	9 U
Methylnaphthalene, 2-	µg/L	n/v	10 U	9 U	10 U	9 U
Naphthalene	µg/L	10 [B]	10 U	9 U	10 U	9 U
Nitroaniline, 2-	µg/L	5** [B]	***24 U***	***24 U***	***25 U***	***24 U***
Nitroaniline, 3-	µg/L	5** [B]	***24 U***	***24 U***	***25 U***	***24 U***
Nitroaniline, 4-	µg/L	5** [B]	***24 U***	***24 U***	***25 U***	***24 U***
Nitrobenzene	µg/L	0.4 [B]	***10 U***	***9 U***	***10 U***	***9 U***
Nitrophenol, 2-	µg/L	n/v	10 U	9 U	10 U	9 U
Nitrophenol, 4-	µg/L	n/v	24 U	24 U	25 U	24 U
N-Nitrosodi-n-Propylamine	µg/L	n/v	10 U	9 U	10 U	9 U
n-Nitrosodiphenylamine	µg/L	50 [A]	10 U	9 U	10 U	9 U
p-Chloroaniline	µg/L	5** [B]	***10 U***	***9 U***	***10 U***	***9 U***
Pentachlorophenol	µg/L	1.0 [B]	***24 U***	***24 U***	***25 U***	***24 U***
Phenanthrene	µg/L	50 [A]	10 U	9 U	10 U	9 U
Phenol	µg/L	1.0 [B]	***10 U***	***9 U***	***10 U***	***9 U***
Pyrene	µg/L	50 [A]	10 U	9 U	10 U	9 U
Trichlorophenol, 2,4,5-	µg/L	n/v	24 U	24 U	25 U	24 U
Trichlorophenol, 2,4,6-	µg/L	n/v	10 U	9 U	10 U	9 U
Semi - Volatile Organic Compounds TICs						
Phosphine imide, P,P,P-triphenyl-	µg/L	n/v	-	**-**	-	**10 JN**
Unknown TIC 1	µg/L	n/v	-	-	**8 J**	-

Notes:

TOGS	NYSDEC. October 22, 1993. Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Ambient Water Quality Standards and Guidance Values, Reissued June 1998. April 2000 Addendum.
A	TOGS Guidance
B	TOGS Standards
6.5 [A]	Concentration exceeds the indicated criteria.
2.5	Concentration is detected but does not exceed any of the criteria.
0.50 U	Laboratory estimated quantitation limit exceeded criteria.
0.03 U	The analyte was not detected above the laboratory estimated quantation limit.
n/v	No criteria/guideline value.
-	Parameter not analyzed / not available.
**	The principal organic contaminant standard for groundwater of 5 ug/l applies to this substance.
J	Indicates an estimated value.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively idenitified compounds, where the identificationis based on the Mass Spectral library search. It is applied to all TIC results.

TABLE 11
ANALYTICAL RESULTS SUMMARY
GROUNDWATER - PCBs and Pesticides
REMEDIAL INVESTIGATION
8-28 WARD STREET
ROCHESTER, NEW YORK

Sample Location	Units	TOGS	MW45	MW46		MW47
Sample Date			17-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07
Sample ID			828-MW-45-GW	828-MW-46-GW	828-MW-46-GW-DU	828-MW-47-GW
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALBF	TALBF	TALBF	TALBF
Laboratory Work Order			A07C076	A07C076	A07C076	A07C076
Laboratory Sample ID			A7C07701	A7C07702	A7C07901	A7C07703
Sample Type					Field Duplicate	
Polychlorinated Biphenyls						
Aroclor 1016	µg/L	0.09[B]	***0.96 U***	***0.94 U***	***1.0 U***	***0.94 U***
Aroclor 1221	µg/L	0.09[B]	***1.9 U***	***1.9 U***	***2.1 U***	***1.9 U***
Aroclor 1232	µg/L	0.09[B]	***0.96 U***	***0.94 U***	***1.0 U***	***0.94 U***
Aroclor 1242	µg/L	0.09[B]	***0.96 U***	***0.94 U***	***1.0 U***	***0.94 U***
Aroclor 1248	µg/L	0.09[B]	***0.96 U***	***0.94 U***	***1.0 U***	***0.94 U***
Aroclor 1254	µg/L	0.09[B]	***0.96 U***	***0.94 U***	***1.0 U***	***0.94 U***
Aroclor 1260	µg/L	0.09[B]	***0.96 U***	***0.94 U***	***1.0 U***	***0.94 U***
Pesticides						
Aldrin	µg/L	n/v	0.048 U	0.047 U	0.052 U	0.047 U
BHC, alpha-	µg/L	0.01[B]	***0.048 U***	***0.047 U***	***0.052 U***	***0.047 U***
BHC, beta-	µg/L	0.04[B]	***0.048 U***	***0.047 U***	***0.052 U***	***0.047 U***
Camphechlor (Toxaphene)	µg/L	0.06[B]	***4.8 U***	***4.7 U***	***5.2 U***	***4.7 U***
Chlordane, alpha-	µg/L	n/v	0.048 U	0.047 U	0.052 U	0.047 U
Chlordane, gamma-	µg/L	n/v	0.048 U	0.047 U	0.052 U	0.047 U
DDD	µg/L	0.3[B]	0.096 U	0.094 U	0.10 U	0.094 U
DDE	µg/L	0.2[B]	0.096 U	0.094 U	0.10 U	0.094 U
DDT	µg/L	0.2[B]	0.096 U	**0.039 J**	0.10 U	0.094 U
delta-BHC	µg/L	0.04[B]	***0.048 U***	***0.047 U***	***0.052 U***	***0.047 U***
Dieldrin	µg/L	0.004[B]	***0.096 U***	***0.094 U***	***0.10 U***	***0.094 U***
Endosulfan I	µg/L	n/v	0.048 U	0.047 U	0.052 U	0.047 U
Endosulfan II	µg/L	n/v	0.096 U	0.094 U	0.10 U	0.094 U
Endosulfan Sulfate	µg/L	n/v	0.096 U	0.094 U	0.10 U	0.094 U
Endrin	µg/L	n/v	0.096 U	**0.021 J**	0.10 U	0.094 U
Endrin Aldehyde	µg/L	5[**,B]	0.096 U	**0.036 J**	0.10 U	0.094 U
Endrin Ketone	µg/L	5[**,B]	0.096 U	0.094 U	0.10 U	0.094 U
Heptachlor	µg/L	0.04[A] 0.04[B]	***0.048 U***	***0.047 U***	***0.052 U***	***0.047 U***
Heptachlor Epoxide	µg/L	0.03[B]	***0.048 U***	***0.047 U***	***0.052 U***	***0.047 U***
Lindane (Hexachlorocyclohexane, gamma)	µg/L	0.05[B]	0.048 U	0.047 U	***0.052 U***	0.047 U
Methoxychlor (4,4'-Methoxychlor)	µg/L	35[B]	0.48 U	**0.011 J**	0.52 U	0.47 U

Notes:

TOGS	NYSDEC. October 22, 1993. Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Ambient Water Quality Standards and Guidance Values, Reissued June 1998. April 2000 Addendum.
A	TOGS Guidance
B	TOGS Standards
6.5[A]	Concentration exceeds the indicated criteria.
2.5	Concentration is detected but does not exceed any of the criteria.
0.50 U	Laboratory estimated quantitation limit exceeded criteria.
0.03 U	The analyte was not detected above the laboratory estimated quantation limit.
n/v	No criteria/guideline value.
-	Parameter not analyzed / not available.
**	The principal organic contaminant standard fro groundwater of 5 ug/l (described elsewhere in the Table) applies to this substance.
J	Indicates an estimated value.

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TABLE 12
ANALYTICAL RESULTS SUMMARY
GROUNDWATER - METALS
REMEDIAL INVESTIGATION
8-28 WARD STREET
ROCHESTER, NEW YORK

Sample Location			MW45		MW46		MW47
Sample Date			17-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07
Sample ID			828-MW-45-GW	828-MW-45-GW-LR	828-MW-46-GW	828-MW-46-GW-DU	828-MW-47-GW
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALBF	TALBF	TALBF	TALBF	TALBF
Laboratory Work Order			A07C076	A07C076	A07C076	A07C076	A07C076
Laboratory Sample ID			A7C07801	A7C07801MD	A7C07902	A7C07901	A7C07903
Sample Type	Units	TOGS		Lab Replicate		Field Duplicate	
Metals							
Aluminum	µg/L	n/v	**7410 J**	**7543.48**	**2570 J**	**286 J**	**464 J**
Antimony	µg/L	3[B]	***60.0 U***	***60.0 U***	***60.0 U***	***60.0 U***	***60.0 U***
Arsenic	µg/L	25[B]	**6.0 B**	**7.01 B**	**8.3 B**	10.0 U	10.0 U
Barium	µg/L	1000[B]	**134 B**	**139.09 B**	**68.7 B**	**49.5 B**	**82.2 B**
Beryllium	µg/L	3[A]	**0.78 B**	**0.80 B**	**0.50 B**	**0.35 B**	**0.65 B**
Cadmium	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Calcium	µg/L	n/v	**383000**	**381237.8**	**309000**	**262000**	**241000**
Chromium (Total)	µg/L	50[B]	**12.4**	**12.4900**	**4.3 B**	10.0 U	10.0 U
Cobalt	µg/L	n/v	**5.9 B**	**5.69 B**	**4.3 B**	**2.2 B**	**2.6 B**
Copper	µg/L	200[B]	**10.6 B**	**9.97 B**	**3.2 B**	25.0 U	25.0 U
Iron	µg/L	300.[B]	**15300 *[B]**	**15396.39[B]**	**5840 J[B]**	**538 J[B]**	**2060 *[B]**
Lead	µg/L	25[B]	**4.2 BN**	**3.78 B**	10.0 U N	10.0 U N	10.0 U N
Magnesium	µg/L	35000[A]	**167000[A]**	**165994.3[A]**	**151000[A]**	**137000[A]**	**85600[A]**
Manganese	µg/L	300.[B]	**472 J[B]**	**470.02[B]**	**321 J[B]**	**118 J**	**278 J**
Mercury	µg/L	0.7[B]	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	100[B]	**13.5 B**	**13.76 B**	**7.1 B**	**3.6 B**	**4.1 B**
Potassium	µg/L	n/v	**33900 J**	**33696.59**	**21500 J**	**19200 J**	**70300 J**
Selenium	µg/L	10[B]	***35.0 U***	***35.0 U***	***35.0 U***	***35.0 U***	***35.0 U***
Silver	µg/L	50[B]	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Sodium	µg/L	20000[B]	**568000[B]**	**564690.6[B]**	**397000[B]**	**345000[B]**	**2490000[B]**
Thallium	µg/L	0.5[A]	***25.0 U***	***25.0 U***	***25.0 U***	***25.0 U***	***25.0 U***
Vanadium	µg/L	n/v	**14.4 B**	**13.97 B**	**6.6 B**	**1.4 B**	**2.2 B**
Zinc	µg/L	2000[A]	**24.9 B**	**25.18 B**	**12.0 B**	60.0 U	**7.3 B**

Notes:

TOGS	NYSDEC. October 22, 1993. Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Ambient Water Quality Standards and Guidance Values, Reissued June 1998. April 2000 Addendum.
[A]	TOGS Guidance
[B]	TOGS Standards
6.5[A]	Concentration exceeds the indicated criteria.
2.5	Concentration is detected but does not exceed any of the criteria.
0.50 U	Laboratory estimated quantitation limit exceeded criteria.
0.03 U	The analyte was not detected above the laboratory estimated quantation limit.
n/v	No criteria/guideline value.
-	Parameter not analyzed / not available.
*[B]	Also see entry for Iron and Manganese (GA = 500, applies to the sum of Iron and Manganese).
*	Indicates the spike or duplicate analysis is not within the quality control limits.
B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
J	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.

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TABLE 13
Comparison of Previous Investigation and Remedial Investigation Analytical Results - VOCs Detected in Groundwater
8-28 WARD STREET
ROCHESTER, NEW YORK

Sample Location			GQ1/MW1							
Sample Date			10-May-02	17-Sep-02	12/16/02	24-Mar-03	24-Sep-03	30-Apr-04	23-Sep-04	17-Oct-07
Sampling Company	Units	TOGS	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	STANTEC
Laboratory		Std.	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	TALBF
VOCs Detected										
Tetrachloroethylene	µg/L	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U J
Trichloroethylene	µg/L	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U J
Dichloroethylene, cis-1,2-	µg/L	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U J
Vinyl chloride	µg/L	2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U J

Sample Location			GQ2/MW2							
Sample Date			10-May-02	17-Sep-02	12/16/02	24-Mar-03	24-Sep-03	30-Apr-04	23-Sep-04	18-Oct-07
Sampling Company	Units	TOGS	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	STANTEC
Laboratory		Std.	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	TALBF
VOCs Detected										
Tetrachloroethylene	µg/L	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U J
Trichloroethylene	µg/L	5	**21.8**	2 U	2 U	**20.9**	2 U	**6.54**	**4.31**	**2 J**
Dichloroethylene, cis-1,2-	µg/L	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U J
Vinyl chloride	µg/L	2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U J

Sample Location			GQ3/MW3							
Sample Date			10-May-02	17-Sep-02	12/16/02	24-Mar-03	24-Sep-03	30-Apr-04	23-Sep-04	18-Oct-07
Sampling Company	Units	TOGS	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	STANTEC
Laboratory		Std.	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	- -
VOCs Detected										
Tetrachloroethylene	µg/L	5	**6.44**	**5.99**	**4.91**	2 U	**4.56**	2 U	**3.21**	
Trichloroethylene	µg/L	5	**68.9**	**63.4**	**59.4**	**15.6**	**63.9**	**28.9**	**41.4**	**DRY**
Dichloroethylene, cis-1,2-	µg/L	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Vinyl chloride	µg/L	2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	

Sample Location			GQ4/MW4							
Sample Date			10-May-02	17-Sep-02	12/16/02	24-Mar-03	24-Sep-03	30-Apr-04	23-Sep-04	17-Oct-07
Sampling Company	Units	TOGS	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	STANTEC
Laboratory		Std.	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	TALBF
VOCs Detected										
Tetrachloroethylene	µg/L	5	**2.02**	2 U	2 U	2 U	2 U	2 U	2 U	**1 J**
Trichloroethylene	µg/L	5	**7.95**	**10**	**5.79**	2 U	**9.89**	2 U	**6.19**	**4 J**
Dichloroethylene, cis-1,2-	µg/L	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U J
Vinyl chloride	µg/L	2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U J

Sample Location			GQ8/MW5							
Sample Date			10-May-02	17-Sep-02	12/16/02	24-Mar-03	24-Sep-03	30-Apr-04	23-Sep-04	18-Oct-07
Sampling Company	Units	TOGS	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	GeoQuest	STANTEC
Laboratory		Std.	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	Paradigm	TALBF
VOCs Detected										
Tetrachloroethylene	µg/L	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	50 U
Trichloroethylene	µg/L	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	50 U
Dichloroethylene, cis-1,2-	µg/L	5	**7.69**	**9.76**	**7.77**	**5.63**	**7.53**	2 U	**6.27**	50 U
Vinyl chloride	µg/L	2	**9.93**	**4.89**	**4.34**	**2**	**5.34**	2 U	**3.69**	50 U

Sample Location			MW-23			MW-23 R	MW-45	MW-46	MW-46R	MW-47
Sample Date			11-Oct-01	12-Jul-05	17-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07	17-Oct-07
Sampling Company	Units	TOGS	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory		Std.	TALBF	TALBF	TALBF	TALBF	TALBF	TALBF	TALBF	TALBF
VOCs Detected										
Tetrachloroethylene	µg/L	5	**240 J**	**1,600**	**810**	**72**	**2 J**	10 U	10 U	10 U
Trichloroethylene	µg/L	5	**15**	**55**	**40 J**	**41**	10 U	10 U	10 U	**3 J**
Dichloroethylene, cis-1,2-	µg/L	5	**1 J**	**38**	**66 J**	**600 J**	**87 J**	10 U	10 U	**1 J**
Dichloroethylene, trans-1,2-	µg/L	5	10 U	10 U	80 U	**2 J**	10 U	10 U	10 U	10 U
Dichloroethylene, 1,1-	µg/L	5	10 U	10 U	80 U	**2 J**	10 U	10 U	10 U	10 U
Vinyl chloride	µg/L	2	10 U	10 U	80 U	10 U	10 U	10 U	10 U	10 U

Notes: U - The analyte was not detected above the laboratory's estimated quantation limit.
J - Indicates an estimated value.

Appendix A

Stantec

2250 Brighton Henrietta Town L
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-23

Page 1 of 2

Project:	Ward Street	*Drill Contractor:*	Nature's Way	Start Date:	9/27/2001
Project #:	190500014	Driller:	Steve Gingrich	Completion Date:	9/27/2001
Client:	Germanow-Simon	Elevation:		Drilling Method:	4-1/4" H.S.A.
Location:	Rochester, New York	Weather:		Supervisor:	P.Smith

		Blows on Sampler				SAMPLE				Soil and Rock Information
0	C	0-6"	6-12"	12-18"	18-24"	PID	Rec.	No.	Depth	Remarks
		2				0.4	15"	1	0-2'	Brown, SILT, some fine Sand, trace roots, moist **0.5'**
			7							
				10						Brown and gray/brown, medium to fine SAND, some silt and gravel, dry to moist **(FILL)** **2.0'**
					12					
		9				2.7	14"	2	2'-4'	Brown, fine SAND, some Silt, trace Gravel, moist
			10							
				10						**(Upper Till)**
					10					
		3				1.5	14"	3	4'-6'	Brown, SILT, some Fine Sand, moist
5			4							
				7						
					8					
		3				1.8	16"	4	6'-8'	Gray, medium to fine SAND, some Silt, moist
			3							
				3						
					7					
		7				2.4	16"	5	8'-10'	same, except wet
			7							
				7						
10					5					**(Upper Till)**
		2				4.9	16"	6	10'-12'	same
			3							
				6						
					7					
		3				35.0	8"	7	12'-14'	same **13.0'**
			7							
				22						(density change)
					33					
		25				20.0	14"	8	14'-15.3'	Gray to red brown, medium to fine SAND and Silt, some coarse to fine Gravel, moist to wet
15			42							
				50/4						
		31				6.8	9"	9	16'-16.9'	same, except moist
			50/5							
										(Lower Till)
		31				1.3	8"	10	18'-18.9'	same
			50/5							
20										

Notes:
1. N = No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
2. C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

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2250 Brighton Henrietta Town L
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B-23

Project:	Ward Street	Drill Contractor:	Nature's Way	Start Date:	9/27/2001
Project #:	190500014	Driller:	Steve Gingrich	Completion Date:	9/27/2001
Client:	Germanow-Simon	Elevation:		Drilling Method:	4-1/4" H.S.A.
Location:	Rochester, New York	Weather:		Supervisor:	P.Smith

		Blows on Sampler				SAMPLE				Soil and Rock Information
	C	0-6"	6-12"	12-18"	18-24"	PID	Rec.	No.	Depth	Remarks
		17				0.4	5"	11	20'-20.9'	same
			50/5							
										22.0'
										Auguer refusal at 22 ft. bgs
25										Notes: 1. Monitoring well MW-23 installed in completed borehole.
30										
35										
40										

Notes:

1. N = No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
2. C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

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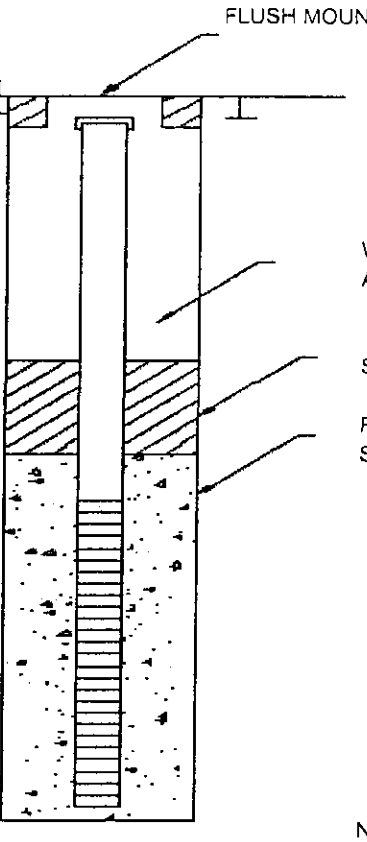
OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME: WARD STREET RI
PROJECT NUMBER: 1405205
CLIENT: Germanow-Simon
LOCATION: Rochester, NY

HOLE DESIGNATION: MW - 23
DATE COMPLETED: 9-27-01
DRILLING METHOD: Hollow stem/wet rotary
SUPERVISOR: P.Smith



SURFACE SEAL TYPE: Concrete

TOP OF SEAL @ 3.0 ft

BOTTOM OF SEAL @ 5.5 ft

TOP OF SCREEN @ 7.0 ft

BOTTOM OF SCREEN @ 22.0 ft

BOTTOM OF HOLE @ 22.3 ft

WELL CASING
ANNULUS BACKFILL
TYPE: Portland

SEAL TYPE: Bentonite

PACK TYPE:
SAND, SIZE: Quartzite

NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SCREEN TYPE: CONTINUOUS SLOT ____ PERFORATED X LOUVRE ____ OTHER ____

SCREEN MATERIAL: STAINLESS STEEL ____ PVC X OTHER ____

SCREEN LENGTH: 15.0 ft SCREEN DIAMETER 2.0 in. SCREEN SLOT SIZE: .010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 2.0 in

HOLE DIAMETER: 8 inch

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2250 Brighton Henrietta Town Line Road
Rochester, NY 14623
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Test Boring No.: B35

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	8/1/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	8/1/2007
Client:	Germanow-Simon	Elevation:	Not measured	Drilling Method:	Geoprobe
Location:	8-28 Ward Street	Weather:	Sunny, 80s˚-	Supervisor:	D. Bauch
	Rochester, New York		90s˚F		

0	SAMPLE PID	Rec.	No.	Depth	Soil Information Remarks	
	1	34"	1	0-4	Parking lot base, dry.	**0**
					Brown SILT and fine SAND, some fine-coarse GRAVEL, brick fragments, misc. fill, some cindery material, dry, with brick at 1.4-1.6'.	**0.6**
					Light tan brown SILT and fine-medium SAND, some fine-coarse GRAVEL, moist. (Fill)	**1.6**
	0.3	30"	2	4-8	Brown fine-medium SAND and some SILT, few fine GRAVEL, moist, grading to brown SILT and some fine SAND, wet. (Upper Till)	**4**
5						
	0.3				Brown fine-coarse SAND, some SILT, some fine-coarse GRAVEL, moist.	**6.4**
	0.6	30"	3	8-12	Brown-gray brown SILT and fine-medium SAND, some fine-coarse GRAVEL, moist-wet - wet-soupy at 10.3-10.5'.	**8**
10						
	1					
	1.4	36"	4	12-16	Brown gray-brown fine SAND and SILT, few fine GRAVEL, wet.	**12**
	0.7				Gray fine-coarse very dense SILT and SAND, some rock fragments and fine-coarse GRAVEL, moist-dry. (Lower Till)	**13.5**
15						
					End of boring at 16'. Sample 12-14' for TCL VOCs.	**16.0**
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

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2250 Brighton Henrietta Town Line Road
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B36

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	8/1/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	8/1/2007
Client:	Germanow-Simon	Elevation:	Not measured	Drilling Method:	Geoprobe
Location:	8-28 Ward Street	Weather:	Sunny, 80s˚-90s˚F	Supervisor:	D. Bauch
	Rochester, New York				

0	SAMPLE PID	Rec.	No.	Depth	Soil Information Remarks	
	0	18"	1	0-4	Parking lot base, dry.	**0**
					Brown medium-fine SAND, some SILT, dry.	**0.5**
					Brown medium-coarse SAND and fine-coarse GRAVEL, some SILT, dry. (Fill)	**1.3**
	2.8	28"	2	4-8		
5					Brown SILT and fine SAND, wet grading to moist. (Upper Till)	**4.2**
	0.8					
	2.6	30"	3	8-12	Brown fine-medium SAND and some fine-coarse GRAVEL, moist.	**8**
10					Brown grading to gray brown fine-medium SAND and SILT, some fine-coarse GRAVEL, wet.	**8.7**
	0.5					
	1.4	26"	4	12-16	Gray brown fine-medium SAND and SILT, some fine-coarse GRAVEL, wet, broken rock at 13'. (Lower Till)	**12**
	0.4				Brown fine-medium SAND and SILT, broken rock at 14', moist.	**13.9**
15					End of boring at 15'.	**15.0**
					Sample 4-6' for TCL VOCs.	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

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(585) 475-1440

Test Boring No.: B37

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	8/1/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	8/1/2007
Client:	Germanow-Simon	Elevation:	Not measured	Drilling Method:	Geoprobe
Location:	8-28 Ward Street	Weather:	Sunny, 80s˚-	Supervisor:	D. Bauch
	Rochester, New York		90s˚F		

0	SAMPLE PID	Rec.	No.	Depth	Soil Information Remarks	
	2.7	35"	1	0-4	Parking lot base, dry.	**0**
					Misc. fill, dark brown SAND and SILT, cindery material at 1.1', some fine-coarse GRAVEL, moist.	**0.8**
					Brown-tan SILT and fine SAND, moist. (Fill)	**1.2**
	2.2	33"	2	4-8		
5					Misc. fill, dark brown fine SAND, rock fragments, cindery material, moist.	**4.3**
					Brown fine-medium SAND and SILT, few fine-medium GRAVEL, moist-wet. (Upper Till)	**5.2**
	1.2					
	2.2	35"	3	8-12	Brown gray-brown fine-medium SAND and SILT, few fine-medium GRAVEL, wet.	**8**
10					Brown gray-brown fine-coarse SAND, some SILT, dry-moist.	**9.5**
	1.2					
	0.7	27"	4	12-16	Brown fine-coarse SAND, some SILT, some fine-coarse GRAVEL, wet. (Lower Till)	**12**
	0.6					
15						
					End of boring at 16'.	**16.0**
					Sample 0-4' for TCL VOCs.	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

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2250 Brighton Henrietta Town Line Road
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B38

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	8/2/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	8/2/2007
Client:	Germanow-Simon	Elevation:	Not measured	Drilling Method:	Geoprobe
Location:	8-28 Ward Street	Weather:	Sunny, 80s˚-	Supervisor:	D. Bauch
	Rochester, New York		90s˚F		

0	SAMPLE PID	Rec.	No.	Depth	Soil Information Remarks	
	4.5	36"	1	0-4	Parking lot base, dry.	**0**
					Misc. fill, brown fine-coarse SAND and SILT, some black cindery material, rock fragments, moist.	**0.8**
					Brown fine-medium SAND and SILT, few fine-medium GRAVEL, moist. (Fill)	**1.2**
	21.5					
	56.3	42"	2	4-8		
5					Dark brown medium SAND, some SILT, fine-coarse GRAVEL, moist.	**4.5**
					Brown grading to gray-brown fine-medium SAND and SILT, few fine-medium GRAVEL, moist grading to wet. (Upper Till)	**4.7**
	1.9					
					Brown fine-coarse SAND and SILT, fine-coarse GRAVEL and pebbles, moist.	**7**
	0.5	26"	3	8-12	Brown grading to gray-brown SILT and fine-medium SAND, some fine-coarse GRAVEL and pebbles, rock at 8.8', wet.	**8**
10						
	0.3					
	0.6	24"	4	12-16	Brown gray SILT and fine-medium SAND, some fine-medium GRAVEL and rock fragments, wet. (Lower Till)	**12**
	0.5					
15						
					End of boring at 16'.	**16.0**
					Sample 4-6' for TCL VOCs.	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

2250 Brighton Henrietta Town Line Road
Rochester, NY 14623
(585) 475-1440

Test Boring No.: B39

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	8/2/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	8/2/2007
Client:	Germanow-Simon	Elevation:	Not measured	Drilling Method:	Geoprobe
Location:	8-28 Ward Street	Weather:	Sunny, 80s˚-	Supervisor:	D. Bauch
	Rochester, New York		90s˚F		

0	SAMPLE PID	Rec.	No.	Depth	Soil Information Remarks	
	67.2	36"	1	0-4	Parking lot base, dry.	0
					(Fill)	
					Broken pink sandstone, brown fine-medium SAND and SILT, moist.	1
					Dark brown SAND and SILT, cindery material, some fine-medium GRAVEL, moist.	1.3
	9.5				Broken gray rock, dry.	1.4
					Brown-tan SILT and fine-medium SAND, moist.	1.8
					(Upper Till)	
	0.6	33"	2	4-8	Brown-tan SILT and fine-medium SAND, some fine-medium GRAVEL, moist.	4
5						
	0.8				Broken gray rock, dry.	6
					Brown fine-medium SAND and SILT, few fine GRAVEL, moist.	6.3
					Brown SILT and fine-medium SAND, few fine GRAVEL, wet.	6.5
	0.6	32"	3	8-12	Brown grading to gray-brown SILT and fine SAND, some fine-coarse GRAVEL and rock fragments, red sandstone fragment at 10.8', wet.	8
10						
	1.2					
	0.6	35"	4	12-16	Brown grading to gray-brown SILT and fine SAND, some fine-coarse GRAVEL and rock fragments, wet.	12
					Gray-brown SILT and fine SAND, broken gray rock at 14.3', moist.	14
	0.3				(Lower Till)	
15						
					End of boring at 16'.	16.0
					Sample 0-2' for TCL VOCs.	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

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Test Boring No.: B40

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	8/2/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	8/2/2007
Client:	Germanow-Simon	Elevation:	Not measured	Drilling Method:	Geoprobe
Location:	8-28 Ward Street	Weather:	Sunny, 80s˚-	Supervisor:	D. Bauch
	Rochester, New York		90s˚F		

0	SAMPLE PID	Rec.	No.	Depth	Soil Information Remarks	
	0.7	43"	1	0-4	Parking lot base, dry.	0
					(Fill)	
					Brown fine-coarse SAND and fine-coarse GRAVEL, some SILT, moist.	1.5
	0.2				Brown-tan SILT and fine-medium SAND, some fine-coarse GRAVEL, moist.	1.7
					(Upper Till)	
	1.3	33"	2	4-8	Brown-tan SILT and fine-medium SAND, some fine-coarse GRAVEL, moist	4
5					grading to wet at 6.0'.	
	0.4				Brown fine-coarse SAND, some SILT, fine-coarse GRAVEL, moist.	6.3
	2	24"	3	8-12	Brown grading to gray-brown SILT and fine SAND, few fine-medium GRAVEL, wet.	8.2
10						
	0.3					
	0.4	30"	4	12-16	Brown gray SILT and fine SAND, few fine-medium GRAVEL, wet, broken gray rock at 13.0'.	12
					(Lower Till)	
					Brown fine-coarse SAND and fine-coarse GRAVEL, some SILT, wet.	13.8
	0.6					
15						
					End of boring at 16'.	16.0
					Sample 8-10' for TCL VOCs.	
20						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.

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Well No.: MW23R

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	7/30/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	7/31/2007
Client:	Germanow-Simon	Elevation:	Not measured	Supervisor:	D. Bauch
Location:	8-28 Ward Street Rochester, New York	Weather:	Sunny, 80s˚- 90s˚F	Drilling Method:	Hollow stem auger

	SAMPLE					Soil Information	
0	PID	Rec.	BCs	No.	Depth	Remarks	
	0.6	16'	8	1	0-2	Topsoil, dry.	**0**
			6			Light brown coarse-fine SAND and GRAVEL, dry. (Fill)	**0.5**
			9				
			11				
	0	8"	6	2	2-4	Brown fine SAND, some SILT, dry, native. (Upper Till)	**2**
			6				
			6				
			6				
	0.1	6"	3	3	4-6	Brown fine SILT, moist.	**4**
5			4				
			5				
			6				
	1.4	12"	4	4	6-8	Brown fine SILT, some GRAVEL, moist.	**6**
			5				
			6				
			4				
	2	5"	5	5	8-10	Brown fine SILT, few small GRAVEL, moist.	**8**
			6				
			7				
10			10				
	2.7	12"	3	6	10-12	Brown fine SILT and SAND, few round medium pebbles, wet.	**10**
			4				
			5				
			8				
	5.1	11"	6	7	12-14	Brown fine SILT and some SAND, some round medium pebbles, wet.	**12**
			7				
			9				
			13				
	2.3	16"	6	8	14-16	Brown-gray fine SILT, some medium rounded pebbles, dense, wet. (Lower Till)	**14**
15			15				
			28				
			38				
	5.1	12"	18	9	16-17.3	Brown-gray fine SILT, some SAND, some rounded medium-fine pebbles and sandstone fragments, wet.	**16.0**
			57				
			100/3				
						Auger advanced without sampling 17.3-22'.	**17.3**
					18-20		
20							

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Well No.: MW23R

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	7/30/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	7/31/2007
Client:	Germanow-Simon	Elevation:	Not measured	Supervisor:	D. Bauch
Location:	8-28 Ward Street	Weather:	Sunny, 80s˚-	Drilling Method:	Hollow stem auger
	Rochester, New York		90s˚F		

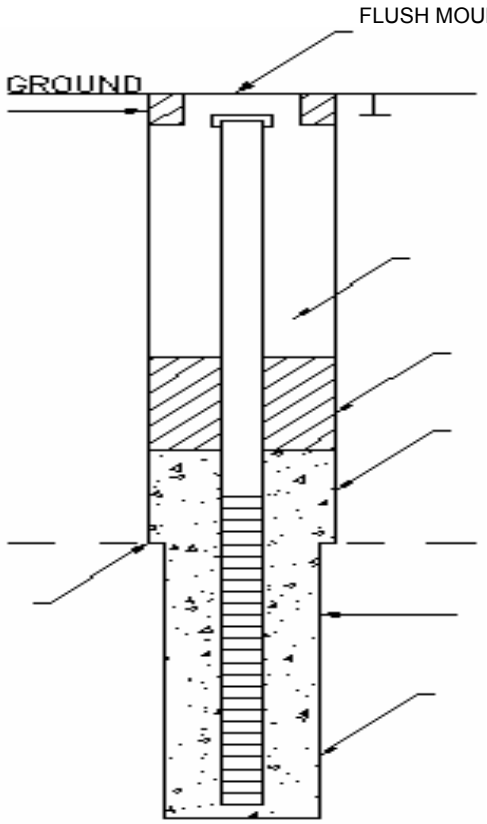
0	SAMPLE PID	Rec.	BCs	No.	Depth	Soil Information Remarks	
					20-22	Auger refusal at top of bedrock, 22'.	
					Run 1 22-32	Decew Dolostone - Gray fine grained dolomitic limestone, few vugs.	**22**
					REC = 97%	Sample 12-14' for TCL VOCs.	
25							
					RQD = 64%		
30							
						Boring terminated at 32.0 ft. bgs.	**32**
35							

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.
2. Bedrock cored with NX core barrel and reamed with 3-7/8" roller bit.
3. Monitoring well MW-23R installed in completed borehole. See well completion log for details

BEDROCK INTERFACE MONITORING WELL

DESIGN DETAILS

PROJECT NAME	8-28 Ward Street	HOLE DESIGNATION	**MW-23R**
PROJECT NUMBER	190500014.310	DATE COMPLETED	7/31/2007
CLIENT	Germanow-Simon	DRILLING METHOD	Hollow stem auger
LOCATION	8-28 Ward Street	SUPERVISOR	D. Bauch
	Rochester, NY		



SURFACE SEAL TYPE: Concrete

RISER RECESS: Flush ft

WELL CASING
ANNULUS BACKFILL
TYPE: Bentonite

TOP OF SEAL @ 22 ft

SEAL TYPE: Bentonite chips

BOTTOM OF SEAL @ 25 ft

4 in. DIAMETER BOREHOLE

TOP OF SCREEN @ 25 ft

TOP OF ROCK @ 22 ft

3 7/8 in. DIAMETER COREHOLE

PACK TYPE:
SAND, SIZE 00N

BOTTOM OF SCREEN @ 32 ft

BOTTOM OF HOLE @ 32 ft

NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SCREEN TYPE: CONTINUOUS SLOT __X___ PERFORATED _____ LOUVRE _____ OTHER _____

SCREEN MATERIAL: STAINLESS STEEL _____ PVC _X___ OTHER _____

SCREEN LENGTH: 5 ft SCREEN DIAMETER ____2_____ in. SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: Black iron pipe WELL CASING DIAMETER: 4 in

HOLE DIAMETER: 4 in

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Well No.: MW45

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	8/2/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	8/2/2007
Client:	Germanow-Simon	Elevation:	Not measured	Supervisor:	D. Bauch
Location:	8-28 Ward Street Rochester, New York	Weather:	Sunny, 80s˚- 90s˚F	Drilling Method:	Hollow stem auger

	SAMPLE					Soil Information	
0	PID	Rec.	BCs	No.	Depth	Remarks	
	7	10"	12	1	0-2	Parking lot base, dry.	**0**
			9			Brown medium-fine SAND and SILT, fine-coarse GRAVEL, few rock fragments, dry.	**0.5**
			7			(Fill)	
			8				
	6.2	8"	4	2	2-4		
			5			Brown-tan SILT and medium-fine SAND, some fine-medium GRAVEL, moist.	**2.3**
			6			(Upper Till)	
			7				
	18	17"	2	3	4-6	Brown fine SAND and SILT, some fine-medium GRAVEL, moist.	**4**
5			3				
			5				
			5				
	0.7	-	3	4	6-8	No recovery - rock blocking.	
			5				
			7				
			7				
	16.5	16"	6	5	8-10	Brown fine SILT and SAND, some fine-coarse GRAVEL and sandstone fragments, wet, grading to gray-brown.	**8**
			7				
			7				
10			12				
	3.4	12"	8	6	10-12	Gray-brown SILT and fine SAND, fine-medium GRAVEL, wet.	**10**
			16			(Lower Till)	
			18				
			22				
	1.5	15"	7	7	12-14	Gray-brown SILT and fine SAND, some fine-coarse GRAVEL, broken rock at 12.5-12.6', wet grading to moist.	**12**
			9				
			17				
			21				
	0.8	22"	29	8	14-16	Gray brown SILT and fine-coarse SAND, some fine-coarse GRAVEL, broken sandstone at 15.6', moist.	**14**
15			38				
			50				
			42				
	1.2	19"	21	9	16-18	Gray brown SILT and fine SAND, some fine-coarse GRAVEL and rock fragments, wet.	**16.0**
			28				
			34				
			38			Gray brown fine-coarse SAND, some SILT and fine-coarse GRAVEL, moist.	**17.5**
	2.1	6"	33	10	18-20	Gray brown SILT and fine SAND, some fine-medium GRAVEL, moist-wet	**18.4**
			100/4				
20							

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Well No.: MW45

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	8/2/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	8/2/2007
Client:	Germanow-Simon	Elevation:	Not measured	Supervisor:	D. Bauch
Location:	8-28 Ward Street Rochester, New York	Weather:	Sunny, 80s˚- 90s˚F	Drilling Method:	Hollow stem auger

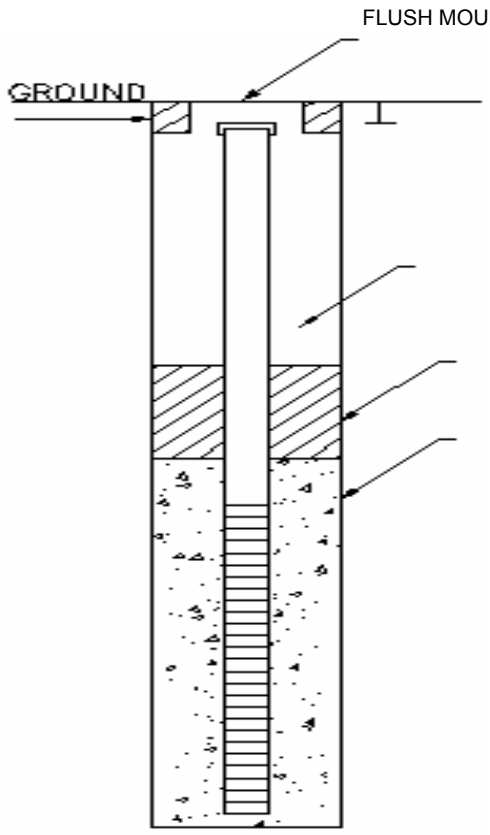
0	SAMPLE PID	Rec.	BCs	No.	Depth	Soil Information Remarks
					20-21	
						Auger refusal at top of bedrock, 21'. **21**
						Boring terminated at 21.0 ft. bgs.
						Sample 4-6' for TCL VOCs and 8-10' for TCL SVOCs, Pest\PCB, TAL metals. DUP
25						
30						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.
2. Monitoring well MW-45 installed in completed borehole. See well completion log for details

OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME	8-28 Ward Street	HOLE DESIGNATION	**MW-45**
PROJECT NUMBER	190500014.310	DATE COMPLETED	8/2/2007
CLIENT	Germanow-Simon	DRILLING METHOD	Hollow Stem Auger
LOCATION	8-28 Ward Street	SUPERVISOR	D. Bauch
	Rochester, New York		



SURFACE SEAL TYPE: Concrete

RISER RECESS: Flush ft

WELL CASING

ANNULUS BACKFILL

TYPE: Bentonite

TOP OF SEAL @ 2 ft

SEAL TYPE: Bentonite chips

BOTTOM OF SEAL @ 4 ft

PACK TYPE:

SAND, SIZE: 00N

TOP OF SCREEN @ 6 ft

NOTE:
ALL DIMENSIONS ARE BELOW GROUND SURFACE (BGS)

BOTTOM OF SCREEN @ 21 ft

BOTTOM OF HOLE @ 21 ft

SCREEN TYPE: CONTINUOUS SLOT __x___ PERFORATED _____ LOUVRE _____ OTHER _____

SCREEN MATERIAL: STAINLESS STEEL _____ PVC __x__ OTHER _____

SCREEN LENGTH: 15 ft SCREEN DIAMETER __2___ in. SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 4 in

HOLE DIAMETER: 8 in.

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Well No.: MW46

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	8/1/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	8/1/2007
Client:	Germanow-Simon	Elevation:	Not measured	Supervisor:	D. Bauch
Location:	8-28 Ward Street	Weather:	Sunny, 80s˚-	Drilling Method:	Hollow stem auger
	Rochester, New York		90s˚F		

	SAMPLE					Soil Information	
0	PID	Rec.	BCs	No.	Depth	Remarks	
	0.6	11"	17	1	0-2	GRAVEL parking lot base, dry.	0
			18			Brown SAND and SILT, misc. fill, dry.	0.7
			9			(Fill)	
			7				
	2.3	6"	18	2	2-4	Brown SILT and medium-fine SAND, some GRAVEL and rock	2
			12			fragments, moist, native.	
			10			(Upper Till)	
			8				
	6.2	13"	5	3	4-6	Brown fine SILT and SAND, few GRAVEL, moist.	4
5			6			Light brown SILT and some SAND, trace GRAVEL, moist-wet.	4.2
			7				
			10				
	6	10"	7	4	6-8	Brown SILT and fine-coarse SAND, some fine-coarse sub-rounded	6
			7			GRAVEL, moist.	
			7				
			4				
	1.8	14"	5	5	8-10	Brown medium SAND and some SILT, few GRAVEL, moist.	8
			6				
			7				
10			12				
	3.6	10"	5	6	10-12	Brown SILT and fine SAND, trace fine GRAVEL, wet.	10
			7				
			15				
			12				
	12.8	11"	6	7	12-14	Brown gray-brown SILT and fine SAND, some GRAVEL, wet.	12
			9				
			11				
			17				
	6.3	16"	16	8	14-16	Gray-brown SILT and fine SAND, some fine GRAVEL, wet-moist.	14
15			24			(Lower Till)	
			36				
			52				
	4.4	18"	36	9	16-18	Gray-brown SILT and fine SAND, few fine GRAVEL, moist.	16.0
			42				
			62				
			71				
	1	11"	26	10	18-19.7	Gray-brown SILT and fine SAND, some small GRAVEL, moist-wet.	18
			38				
			40				
20			100/2				

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Well No.: MW46

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	8/1/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	8/1/2007
Client:	Germanow-Simon	Elevation:	Not measured	Supervisor:	D. Bauch
Location:	8-28 Ward Street	Weather:	Sunny, 80s˚-90s˚F	Drilling Method:	Hollow stem auger
	Rochester, New York				

0	SAMPLE PID	Rec.	BCs	No.	Depth	Soil Information Remarks
						Auger refusal at top of bedrock, 20'. **20**
						Boring terminated at 20.0 ft. bgs.
						Sample 12-14' for TCL VOCs and 14-16' for TCL SVOCs, Pest\PCB, TAL metals. MS/MSD
25						
30						

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.
2. Monitoring well MW-46 installed in completed borehole. See well completion log for details

OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME	8-28 Ward Street	HOLE DESIGNATION	**MW-46**
PROJECT NUMBER	190500014.310	DATE COMPLETED	8/1/2007
CLIENT	Germanow-Simon	DRILLING METHOD	Hollow Stem Auger
LOCATION	8-28 Ward Street	SUPERVISOR	D. Bauch
	Rochester, New York		

SURFACE SEAL TYPE: Concrete

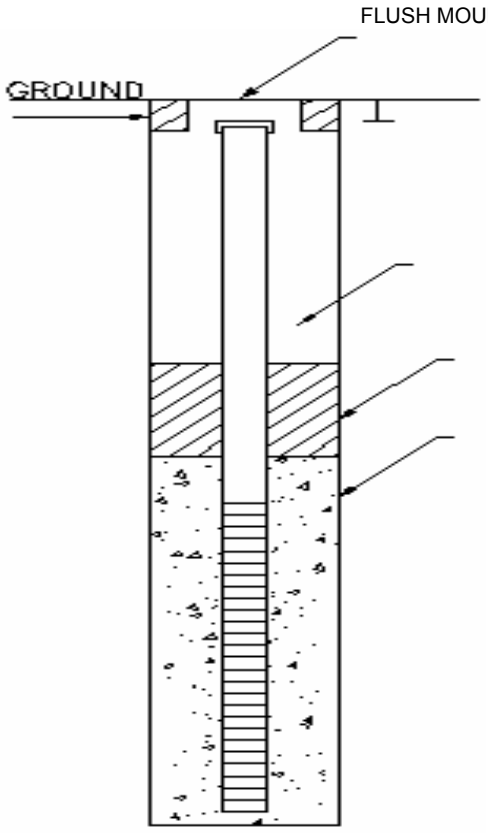
TOP OF SEAL @ 1 ft

BOTTOM OF SEAL @ 3 ft

TOP OF SCREEN @ 5 ft

BOTTOM OF SCREEN @ 20 ft

BOTTOM OF HOLE @ 20 ft



RISER RECESS: Flush ft

WELL CASING
ANNULUS BACKFILL
TYPE: Bentonite

SEAL TYPE: Bentonite chips

PACK TYPE:
SAND, SIZE 00N

NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE
(BGS)

SCREEN TYPE: CONTINUOUS SLOT __x___ PERFORATED _____ LOUVRE _____ OTHER _____

SCREEN MATERIAL: STAINLESS STEEL _____ PVC __x__ OTHER _____

SCREEN LENGTH: 15 ft SCREEN DIAMETER __2___ in. SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 4 in

HOLE DIAMETER: 8 in.

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Well No.: MW46R

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	7/30/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	7/31/2007
Client:	Germanow-Simon	Elevation:	Not measured	Supervisor:	D. Bauch
Location:	8-28 Ward Street	Weather:	Sunny, 80s˚-	Drilling Method:	Hollow stem auger
	Rochester, New York		90s˚F		

0	SAMPLE PID	Rec.	BCs	No.	Depth	Soil Information Remarks	
					0-19.5	Auger advanced without sampling to 19.5'	
5							
10							
15							
20					19.5	Auger refusal at top of bedrock, 19.5'.	**19.5**

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Well No.: MW46R

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	7/30/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	7/31/2007
Client:	Germanow-Simon	Elevation:	Not measured	Supervisor:	D. Bauch
Location:	8-28 Ward Street	Weather:	Sunny, 80s˚-	Drilling Method:	Hollow stem auger
	Rochester, New York		90s˚F		

0	SAMPLE PID	Rec.	BCs	No.	Depth	Soil Information Remarks	
					Run 1	Decew Dolostone - Fine grained gray dolomitic limestone, few vugs.	
					19.5-29.5		
					REC = 90%		
					RQD = 17%		
25							
						Boring terminated at 29.5 ft. bgs.	**29.5**
30							

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.
2. Bedrock cored with NX core barrel and reamed with 3-7/8" roller bit.
3. Monitoring well MW-46R installed in completed borehole. See well completion log for details

BEDROCK INTERFACE MONITORING WELL

DESIGN DETAILS

PROJECT NAME	8-28 Ward Street	HOLE DESIGNATION	**MW-46R**
PROJECT NUMBER	190500014.310	DATE COMPLETED	7/31/2007
CLIENT	Germanow-Simon	DRILLING METHOD	Hollow stem auger
LOCATION	8-28 Ward Street	SUPERVISOR	D. Bauch
	Rochester, NY		

SURFACE SEAL TYPE: Concrete

TOP OF SEAL @ 19.5 ft

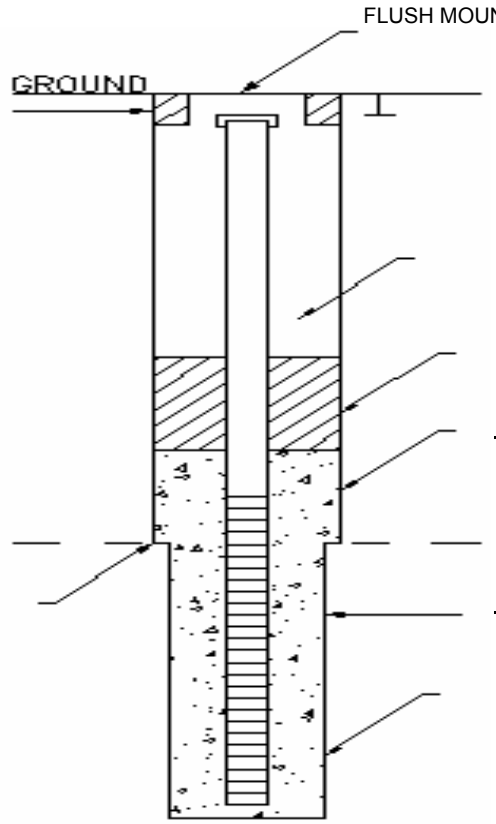
BOTTOM OF SEAL @ 22.5 ft

TOP OF SCREEN @ 22.5 ft

TOP OF ROCK @ 19.5 ft

BOTTOM OF SCREEN @ 29.5 ft

BOTTOM OF HOLE @ 29.5 ft



RISER RECESS Flush ft

WELL CASING
ANNULUS BACKFILL
TYPE: Bentonite

SEAL TYPE: Bentonite chips

4 in. DIAMETER BOREHOLE

3 7/8 in. DIAMETER COREHOLE

PACK TYPE:
SAND, SIZE 00N

NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SCREEN TYPE: CONTINUOUS SLOT __X___ PERFORATED _____ LOUVRE _____ OTHER _____

SCREEN MATERIAL: STAINLESS STEEL _____ PVC _X___ OTHER _____

SCREEN LENGTH: 5 ft SCREEN DIAMETER ____2_____ in. SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: Black iron pipe WELL CASING DIAMETER: 4 in

HOLE DIAMETER: 4 in

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Well No.: MW47

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	8/1/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	8/1/2007
Client:	Germanow-Simon	Elevation:	Not measured	Supervisor:	D. Bauch
Location:	8-28 Ward Street Rochester, New York	Weather:	Sunny, 80s˚- 90s˚F	Drilling Method:	Hollow stem auger

0	SAMPLE PID	Rec.	BCs	No.	Depth	Soil Information Remarks	
	6.7	14"	14	1	0-2	Parking lot base, dry.	0
			8				
			7			Brown red-brown SILT and fine SAND, some fine GRAVEL, dry. (Fill)	1
			5				
	5.1	15"	2	2	2-4	Brown red-brown medium-fine SAND, some SILT, few fine GRAVEL, moist, native. (Upper Till)	2
			3				
			2				
			1				
	5.8	5"	2	3	4-6	Brown fine-medium SAND and SILT, some fine-medium GRAVEL, moist-wet.	4
5			1				
			2				
			1				
	9.3	10"	1	4	6-8	Brown medium-fine SAND and SILT, some coarse-fine GRAVEL, wet.	6
			2				
			7				
			9				
	10.3	15"	4	5	8-10	Brown SILT and medium-fine SAND, some medium-fine GRAVEL, wet.	8
			5				
			5				
10			5				
	0.3	13"	4	6	10-12	Gray brown SILT and fine-medium SAND, fine GRAVEL, wet.	10
			4				
			5				
			11				
	0.9	15"	3	7	12-14	Gray brown SILT and fine-medium SAND, fine-coarse GRAVEL, wet, trace red sandstone staining.	12
			6				
			7				
			12				
	0.6	18"	9	8	14-16	Gray brown SILT and fine-coarse SAND and fine-coarse GRAVEL, wet. (Lower Till)	14
15			23				
			23				
			32				
	3.7	16"	15	9	16-18	Gray brown fine-medium SAND and SILT, trace small GRAVEL, wet-soupy.	16.0
			29				
			36				
			65				
	2.1	10"	12	10	18-19.3	Gray brown fine-medium SAND and SILT, trace small GRAVEL, wet - grading from wet-soupy to wet-moist.	18
			24				
			100/4				
20							

Stantec

2250 Brighton Henrietta Town Line Road
Rochester, NY 14623
(585) 475-1440

Well No.: MW47

Project:	8-28 Ward Street	Drill Contractor:	Nothnagle	Start Date:	8/1/2007
Project #:	190500014.310	Driller:	S. Loranty	Completion Date:	8/1/2007
Client:	Germanow-Simon	Elevation:	Not measured	Supervisor:	D. Bauch
Location:	8-28 Ward Street	Weather:	Sunny, 80s˚-	Drilling Method:	Hollow stem auger
	Rochester, New York		90s˚F		

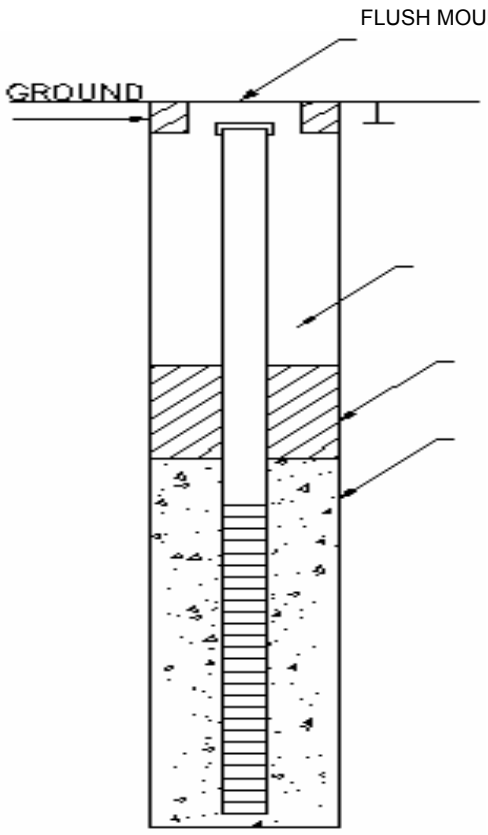
0	SAMPLE					Soil Information	
	PID	Rec.	BCs	No.	Depth	Remarks	
	0.5	4"	42		20-21	Gray brown SILT and fine-medium SAND, some fine-medium GRAVEL, wet.	**20**
			100/2				
						Auger refusal at top of bedrock, 21'.	**21**
						Boring terminated at 21.0 ft. bgs.	
						Sample 6-8' for TCL VOCs and 8-10' for TCL SVOCs, Pest\PCB, TAL metals. MS/MSD	
25							
30							

Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.
2. Monitoring well MW-47 installed in completed borehole. See well completion log for details

OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME	8-28 Ward Street	HOLE DESIGNATION	**MW-47**
PROJECT NUMBER	190500014.310	DATE COMPLETED	8/1/2007
CLIENT	Germanow-Simon	DRILLING METHOD	Hollow Stem Auger
LOCATION	8-28 Ward Street	SUPERVISOR	D. Bauch
	Rochester, New York		



SURFACE SEAL TYPE: Concrete

RISER RECESS: Flush ft

WELL CASING

ANNULUS BACKFILL TYPE: Bentonite

TOP OF SEAL @: 2 ft

SEAL TYPE: Bentonite chips

BOTTOM OF SEAL @: 4 ft

PACK TYPE: SAND, SIZE: 00N

TOP OF SCREEN @: 6 ft

NOTE:
ALL DIMENSIONS ARE BELOW GROUND SURFACE (BGS)

BOTTOM OF SCREEN @: 21 ft

BOTTOM OF HOLE @: 21 ft

SCREEN TYPE: CONTINUOUS SLOT __x___ PERFORATED _____ LOUVRE _____ OTHER _____

SCREEN MATERIAL: STAINLESS STEEL _____ PVC __x__ OTHER _____

SCREEN LENGTH: 15 ft SCREEN DIAMETER __2___ in. SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 4 in

HOLE DIAMETER: 8 in.

Stantec

Project: 8-28 Ward Street
Project No.: 190500014
Date: 7/2/07 Page 1 of 1

TEST PIT LOG

Test Hole No: TP-101 Inspected By: Pete Smith Weather/Temp:

Location/Station: N: E: Elev.:

Equipment Used: Backhoe Contractor: Matrix Operator: P. Bliek

Start Time: 9:30 Stop Time: 12:00 Agency Rep:

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.

_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max	Sust	Bkgd	NOTES
0-0.3	Asphalt parking lot.				
0.3-1.3	Crushed stone parking lot base, dry.				
1.3-1.7	Orangey brown silt and fine sand, some small		0.0	0.0	
	gravel, moist.				
1.7-2.0	Black medium sand and silt, some large gravel,		0.0	0.0	
	some slag, moist.				
2.0-2.7	Tan brown silty fine sand, few brick, moist.		0.0	0.0	Metal pipe at 10-15' station.
2.7-3.1	Black cindery silt and fine sand, large rocks, large		0.0	0.0	Foundation to 4.5' deep at 0-5'
	rusted metal sheet pieces, misc. fill, moist.				station.
3.1-3.7	Red brown silt, few fine sand, trace white ashy silt,		0.0	0.0	
	many glass fragments, dry-moist.				
3.7-4.5	Red brown silt and fine sand, some glass, moist.		0.0	0.0	
4.5-7.0	Brown silty fine sand, moist (NATIVE).		0.0	0.0	
7.0	Test pit terminated at 7.0'.				
	Sample 2' bgs at 5' station for VOCs (black		0.0	0.0	Samples held, not analyzed
	cindery material with slag) (DUP and MS/MSD).				
	Sample 6.5' bgs at 7' station for VOCs.		0.0	0.0	Sample held, not analyzed

Appendix B

Department of **Environmental Services**
Monroe County, New York

Maggie Brooks
County Executive

John E. Graham, P.E.
Director

Initial Sewer Use Permit Instructions

Please provide all requested information accurately. The Sewer Use Permit is a legal document. Any name or address change will require a new Initial Sewer Use Permit. An officer of the company must sign the permit or designate someone else the responsibility by attachment letter with the permit package. The permit application refers to sections of the Sewer Use Law, which is available in the "Related Documents" section of this Web page.

Pure Waters, under Section 57 of the Worker's Compensation Law and Section 220 - Subdivision 8 of the Disability Benefits Law, is required to have on file proof that your company has workers compensation and disability benefits for your employees. A form from your insurance carrier stating such coverage will thus be required before your permit can be processed.

Initial permit fee of $40.00 should be made payable to Director of Finance, County of Monroe. All copies of the application, the form from your insurance carrier, and the check should be mailed to:

Division of Pure Waters
Industrial Waste Control Section
444 E. Henrietta Road, Bldg. 15
Rochester, New York 14620

If you have any questions regarding the permit, please call the Industrial Waste Control Section at 760-7600 option 4.

APPLICATION FOR PERMIT TO DISCHARGE
INTO PURE WATERS SEWER SYSTEM OR TRIBUTARY

1. Name of Applicant: Germanow-Simon Corporation
Company or Individual

2. Address of Applicant: 408 St. Paul Street
Rochester, NY 14601

3. Location of Property: Same

4. Ownership of Property: Name/Address if different than above: Same

5. Number of sewer connections requiring license/permit: 1

6. Type of activity producing wastes requiring license or permit pursuant to Sewer Use Law of Monroe County: Environmental remediation

7. Department of Health or of New York State Permit # (if any): NA

8. Number of Attachments: 3

Exhibit "A"

Exhibit "B"

Exhibit "C"

Exhibit "D": NA

Note: 1. Fill in all spaces. Mark, "NA" in appropriate space, if not applicable.

2. Refer to page 1a of this document for descriptions of Exhibits A, B and D. Refer to page 1b for Exhibit C.

444 E. Henrietta Rd., Bldg. 15 • Rochester, New York 14620-4630
(585) 760-7600 Option 4 • *fax:* (585) 324-1213 • *www.monroecounty.gov*

SUMMARY OF INDUSTRIAL WASTE CHARACTERISTICS
Exhibit C

Firm: Germanow-Simon Corporation

Address: 408 St. Paul Street

Industrial Waste Characteristics and Quantity

Characteristics	Unit	Avg.	Minimum	Maximum
Volume (Gal. or CF/month)				
Temperature (F or C)				
pH				
Biochemical Oxygen Demand (mg/L or lbs/mil. gal.)				
Chlorine Demand (mg/L or lbs/mil. gal.)				
Suspended Solids (mg/L or lbs/mil. gal.)				
Phosphate or Phosphorus (mg/L or lbs/mil. gal.)				

SUBSTANCES UNDER ARTICLES IV, V, VI, VII OF SEWER USE LAW

(List item and concentration (or volume) under appropriate heading. If none, so state.)

1. Unpolluted waters (Sect. 4.1) _____

2. Prohibited Materials (Sect. 4.2) _____

3. Certain materials and/or characteristics (Sect. 4.3) _____

4. Toxic Substances (Sect. 5.1, 5.2) _____

5. Pathogenic Bacteria (Sect. 5.1) _____

6. Radioactive Wastes (Sect. 6.2) _____

7. Sewage Wastes (Sect. 7.1, 7.2) _____

444 E. Henrietta Rd., Bldg. 15 • Rochester, New York 14620-4630
(585) 760-7600 Option 4 • *fax:* (585) 324-1213 • *www.monroecounty.gov*

ATTACHMENTS TO ACCOMPANY APPLICATION

1. A plot or tape location map of the property showing accurately the size and location of all sewer and drainage connections to the sewerage system, all pretreatment devices and all manholes or other accessible sampling points. Each sewer or drain connection shown on drawing shall be designated by an identification number. The plot or tape location map shall be attached as Exhibit "A".

2. A complete schedule of all process waters and industrial wastes produced or expected to be produced at said property, including a description of the character of each waste, the daily volume and whether the flow is continuous or intermittent. The schedule shall be attached as Exhibit "B".

3. A summary of the total wastewater characteristics to be received from the applicant shall be submitted in proper for as Exhibit "C".

4. Additional information requested by the Director of Pure Waters shall be prepared as Exhibit "D" and be attached to the application as required.

Company Representative Signature

Andrew Germanow
Print Name

President
Title

Phone Number (585) 232-1441, ext. 254

Person to be contacted for inspection and/or emergency purposes including phone number

Michael P. Storonsky, Stantec
Print Name

Phone number (585) 413-5620

Page 1c

INITIAL SEWER USE PERMIT

County of Monroe Pure Waters District No. _____ Permit No: _____

Expires: _____

Fee: $40.00

Firm Name Germanow-Simon Corporation

Address 408 St. Paul Street

Rochester, NY 14601

Type of Business or Service Scientific Instrument Manufacturing

I. The above-named applicant is permitted to discharge wastes into the Pure Waters Sewer system or Tributary thereto as applied for by an application dated _____ and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A. _____

B. _____

C. _____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.

2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers listed in Exhibit "B". The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in Exhibit "B" or (2) new wastes that were not listed in Exhibit "B".

3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.

4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.

5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.

6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Signature _____ Date _____

Applicant's Title President

Emergency Contact Michael Storonsky Phone (585) 413-5620

Permit Approved by _____ Date _____

Director of Pure Waters

Department of **Environmental Services**
Monroe County, New York

Maggie Brooks
County Executive

John E. Graham, P.E.
Director

RECEIVED
JUL 18 2007
STANTEC

July 11, 2007

Mr. Andrew Germanow
Germanow Simon Corp
408 St. Paul Street
Rochester, NY 14605

Re: Sewer Use Permit Renewal

Dear Mr. Andrew Germanow:

Enclosed is an application for a Sewer Use Permit Renewal. Be advised the Sewer Use Permit is a legal document. Please provide all requested information accurately, especially the correct legal name of your company. Any name or address change within the last year will require an Initial Sewer Use Permit application. An officer of the municipality/company must sign the permit or designate someone else the responsibility by attachment letter with the permit package. The renewal will become effective upon the expiration date of your present permit and be in effect for one year.

Pure Waters, under Section 57 of the Worker's Compensation Law and Section 220-Subdivision 8 of the Disability Benefits Law, is required to have on file proof that your company has Workmans Compensation insurance and Disability benefits for your employees. A form from your insurance carrier stating such coverage will be required before your permit can be processed.

Please fill out the enclosed application and mail with a check for ~~$30.00~~ $50.00 payable to the Director of Finance, County of Monroe.

All copies of the application and the form from your insurance carrier should be mailed to:

Department of Environmental Services
Industrial Waste Section
444 East Henrietta Road
Rochester, NY 14620

If you have any questions regarding the permit, please call the Industrial Waste Section at 585-753-7600 option 4.

Sincerely,

Harry M. Reiter
Pretreatment Coordinator

Department of Environmental Services
Monroe County, New York

Maggie Brooks
County Executive

John E. Graham, P.E.
Director

January 11, 2007

NOTICE

Please note, a three year term Sewer Use Permit has been approved by the Monroe County Legislature. Permits will be renewed this year at one, two and three year terms with all permits at a three year term and a $75.00 renewal fee following the 2007 renewal year. The fees associated with permit renewals this year will be $25.00, $50.00, and $75.00 for a one, two or three year term respectively. Please refer to the enclosed permit for your effective term, renewal date and fee.

If you have questions, please call me at 585-753-7658 or Harry Reiter at 585-753-7523.

Sean Keenan
Senior Industrial Waste Technician

xc: file, Harry Reiter(Pretreatment Coordinator)

PERMIT RENEWAL

This office can NOT renew your permit unless the following documents are forwarded with the permit renewal.

1. The signed and dated permit renewal. (with any corrections)
2. Documentation of Workers Compensation Insurance and New York State Liability Insurance. Forms should accompany the permit renewal. (If you are self insured, a signed letter stating such must be forwarded to this office with the permit.
3. A check made payable to: Director of Finance, County of Monroe
4. Any other documentation deemed necessary by the permitted.

COUNTY OF MONROE
SEWER USE PERMIT RENEWAL

Firm Name: Germanow Simon Corp
408 St. Paul Street

Permit Number: 912
Fee: $50.00
Expires: August 31, 2009

Mailing Addr: 408 St. Paul Street
Rochester, NY 14605

W/C Expire:
District No: 8520

Business Type:

Has there been any revision to the plant sewer system or any change in industrial wastes discharged to the public sewer in the past twelve months

Yes: __ No: __ If yes, please explain in a separate letter.

Average monthly consumption for the past twelve (12) months:

Water Account No.(s) _____ (cu ft/gal) _____

In consideration of the granting of this renewal permit the undersigned agrees to comply with all the requirements in the Initial Permit as listed under II.

Name of person to be contacted for inspection & sampling purposes:

Type or Print: _____ Phone No: _____

YOUR PERMIT MUST BE SIGNED AS FOLLOWS:

1. For a corporation: by a responsible corporate officer. A corporate officer means:
   (a) A president, secretary, treasurer or vice - president of the corporation in charge of a principal business function, or any other person who performs similar policy - or decision - making functions for the corporation: or
   (b) The manager of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second - quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

2. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

3. By a duly authorized representative of the individual designated in items (1) or (2) above if:

   (a) The authorization is made in writing by the individual described in items (1) or (2);
   (b) The authorization specifies either an individual or a position having responsibility for the overall operation of the facility from which the Industrial Discharge originates such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company; (A duly authorized representative may thus be either a named individual or any individual occupying named position); and
   (c) The written authorization is submitted to this Department.

Print or Type: _____ Phone No: _____

Signature: _____ Date: _____

Title: _____

Renewal Approved: _____ Date: _____
(Director of Pure Waters)

Appendix C

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

THIS INDENTURE made this 11 day of November, 2006, between Owner(s) **Germanow-Simon Corporation** residing at (or having an office at) **408 Saint Paul Street, Rochester, New York 14603** (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 of ensuring the potential 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 **8-28 Ward Street** in the **City of Rochester, Monroe County, New York** known and designated on the tax map of the County Clerk of Monroe County as tax map parcel number **section 106.63 block 0001 lot 016.00**, being the same as that property conveyed to Grantor by deed on **April 27, 2006**, and recorded in the Land Records of the **Monroe** County Clerk at page **506**, liber **10289** of Deeds, comprised of approximately **1.221 acres**, and hereinafter more fully described in Schedule A attached hereto and made a part hereof (the " Controlled Property"); and;

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

County: Monroe
Site No: C828136
Contract/Order No: B8-0566-99-10

NOW THEREFORE, in consideration of the covenants and mutual promises contained herein and the terms and conditions of **Brownfield Cleanup Agreement Number B8-0566-99-10,** ***(Strike inappropriate language)***
Grantor grants, conveys and releases to Grantee a permanent Environmental Easement pursuant to Article 71, Title 36 of the ECL 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 potential restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The following controls 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. The Controlled Property may be used for restricted **commercial or industrial** use as long as the following long-term engineering controls are employed:

i) A multi-phase vacuum extraction system ("MPVE") will be operated beneath on-site and beneath off-site within the right-of-way for Ward Street as depicted in ALTA survey dated October 17, 2008, until the remedial requirements are achieved to the satisfaction of the Department;

ii) the groundwater beneath the Controlled Property may not be used for potable or non-potable purposes;

iii) the Site Management Plan(SMP), dated November 2008, must be implemented for the Controlled Property;

iv) soils at the Controlled Property shall be managed in accordance with the SMP, dated November, 2008. The SMP includes requirements for the characterization, handling, and disposal/re-use of residual contaminated media (e.g., soil, fill, groundwater) and requirements for soils imported to the site;

v) the existing surface and near surface soil, asphalt-paved surfaces, concrete-paved

surfaces, and the building itself, as depicted in ALTA survey dated October 17, 2008, act as a cover system at the Controlled Property. Disturbances and incidental damage to this cover system shall be repaired upon discovery with cover materials approved by the NYSDEC and the NYSDOH;

vi) the potential for vapor intrusion for any new buildings developed on the Controlled Property must be evaluated and mitigation shall be implemented, if needed, prior to occupancy. If a vapor mitigation system is required, it shall be operated and maintained until such time NYSDEC deems it is no longer needed;

vii) Grantor shall provide all persons who acquire any interest in the Controlled Property a true and complete copy of the Site Management Plan dated November 2008, that the Department has approved for the Controlled Property and all Department-approved amendments to the Site Management Plan.

The Grantor hereby acknowledges receipt of a copy of the NYSDEC-approved Site Management Plan, dated November 2008 ("SMP"). The SMP describes obligations that 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 on the Controlled Property, 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 Department may change the SMP for the Controlled Property from time to time on the basis of requests or information submitted by Grantor, and modifications in applicable statutes regulations, guidance or site conditions. The Department reserves a unilateral right to modify the SMP. 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:

Regional Remediation Engineer:
Region 8
NYS Department of Environmental Conservation
6274 East Avon-Lima Road
East Avon, New York 14414

or

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

B. The Controlled Property may not be used for a higher level of use such as **unrestricted or restricted residential** use and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of 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 of Title 36 to Article 71 of the Environmental Conservation Law.

D. 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.

E. 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 that the controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls employed at the Controlled Property were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls.

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 Controlled Property, including:

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

2. The right to give, sell, assign, or otherwise transfer the underlying fee interest to the Controlled Property by operation of law, by deed, or by indenture, 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 intentionally violates this environmental easement, the Grantee may revoke the Certificate of Completion provided under ECL Article 27, Title 14, or Article 56, Title 5 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. Grantor shall then have a reasonable amount of time from receipt of such notice to cure. At the expiration of said second period, Grantee may commence any proceedings and take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement in accordance with applicable law to require compliance with the terms of this Environmental Easement.

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 its enforcement rights in the event of a subsequent breach of or noncompliance with any of the terms of this Environmental easement.

6. Notice. Whenever notice to the State (other than the annual certification) or approval from the State 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 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: Environmental Easement Attorney
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

Such correspondence shall be delivered by hand, or 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. This environmental easement may be amended only by an amendment executed by the Commissioner of the New York State Department of Environmental Conservation 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 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's Name

By: Linda Germann

Title: President Date: 11/7/2008

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

by: _____

Alexander B. Grannis, Commissioner

Grantor's Acknowledgment

County: Monroe
Site No: C828136
Contract/Order No: B8-0566-99-10

IF GRANTOR IS A CORPORATION:

STATE OF New York)
)
COUNTY OF Monroe)

On the 7th day of Nov., in the year 2008, before me, the undersigned, personally appeared Andrew Germanow, personally known to me who, being duly sworn, did depose and say that he/she/they reside at 83 Hawthorne St., Rochester, NY (full mailing address) and that he/she/they is (are) the President (President or other officer or director or attorney in fact duly appointed of the Germanow-Simon Corporation (full legal name of corporation) the corporation described in and which executed the above instrument; and that he/she/they signed his/her/their name(s) thereto by the authority of the board of directors of said corporation.

Catherine L. Staudmyer
Notary Public - State of New York

CATHERINE L. STAUDMYER
Notary Public, State of New York
No. 01ST6066066
Qualified in Monroe County
Commission Expires Dec. 24, 2009

ACKNOWLEDGMENT FOR AN INDIVIDUAL

STATE OF NEW YORK)
) ss:
COUNTY OF)

On the _____ day of _____, in the year 20 __, before me, the undersigned, personally appeared _____, 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.

_____
Notary Public - State of New York

Grantee's Acknowledgment

County: Monroe
Site No: C828136
Contract/Order No: B8-0566-99-10

STATE OF NEW YORK)
) ss:
COUNTY OF)

On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared _____, 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 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

EDMS # 270354 and 276575

Appendix D

Bouchard, Marc

From: Bouchard, Marc
Sent: Monday, December 17, 2007 1:43 PM
To: 'Todd Caffoe'
Cc: Putzig, Bart; Storonsky, Mike
Subject: RE: Ward Street Site Progress Report
Attachments: tbl_190500014_AirGuide1_calcs_December2007.pdf

Todd,

Attached are our calculations for the air guide 1 impact analysis for the Ward Street Site MPVE system. We calculated effluent guidelines (post GAC) for comparison to our air analytical results based on linear regressions (see graph) of 3 arbitrary emission concentrations vs. the short term impact and the annual impact concentrations. The resulting linear functions (which are essentially a simplified DAR-1 dispersion model for our specific set of parameters such as location, flow rate, stack height, etc) were used to back-calculate an emission rate that would satisfy the AGC and SGC criteria for each compound. Please call or e-mail with any questions or concerns.

Best regards,

Marc Bouchard, Eng.
Environmental Engineer
Stantec
2250 Brighton-Henrietta Town Line Road
Rochester NY 14623-2706
Ph: (585) 413-5636
Fx: (585) 424-5951
Cell: (585) 520-9892
marc.bouchard@stantec.com
stantec.com

From: Todd Caffoe [mailto:tmcaffoe@gw.dec.state.ny.us]
Sent: Wednesday, November 07, 2007 8:29 AM
To: Storonsky, Mike
Cc: Bouchard, Marc; Putzig, Bart
Subject: Ward Street Site Progress Report

Mike,
I've reviewed your request to remove control equipment on the vapor discharge stream from the MPVE system. Prior to approval, I'll need some additional information. Please provide the calculations for the air-guide 1 impact analysis including the input parameters used. If you used a software package to generate the numbers, please provide a printout from the software package which includes the input parameters. Thanks.
-Todd

Todd M. Caffoe, P.E.
Environmental Engineer 2
NYSDEC - Region 8

6274 East Avon-Lima Road
Avon, New York 14414

tmcaffoe@gw.dec.state.ny.us
voice (585)226-5350
fax (585)226-8696

NON PETROLEUM
Spill Cleanup/Remediation Air Emission Permit Application
New York State Department of Environmental Conservation
Region 8, 6274 E. Avon-Lima Rd., Avon, NY 14414
5/14/93 DEW

Source: Air Stripper ___ Soil Vent ___ Other (specify) X **Multi-Phase Vapor Extraction**

Facility Name: **Ward St Site MPVE**

Facility Address: **408 St. Paul Street**
Rochester, NY

Startup Date: **Early September 2006** Shutdown Date: **TBD**

Stack Height: **56** ft
Stack Exit Inside Dimensions: **0.666666667** ft
Stack Exit Temperature: **70.7** °F
Stack Exit Flow Rate: **600** cfm

Contaminant Name	CAS #	Emission Rate Potential (lbs/hr)	Percent Control	Actual Emissions (lbs/hr)
Vinyl Chloride	**00075-01-4**	**0.0122**	**99**	**0.0002**
cis-1,2-Dichlorethene	**00540-59-0**	**0.0826**	**99**	**0.0009**
Trichloroethene	**00079-01-6**	**0.1096**	**99**	**0.0011**
Tetrachloroethene	**00127-18-4**	**1.0138**	**99**	**0.0102**
Chloroform	**00067-66-3**	**0.0090**	**99**	**0.0001**
1,1-Dichloroethene	**00075-35-4**	**0.0090**	**99**	**0.0001**
trans-1,2-Dichloroethene	**00156-60-5**	**0.0090**	**99**	**0.0001**
Benzene	**00071-43-2**	**0.0032**	**99**	**0.0001**
Ethylbenzene	**00100-41-4**	**0.0090**	**99**	**0.0001**
Toluene	**00108-88-3**	**0.0090**	**99**	**0.0001**
m,p-Xylene	**00108-38-3**	**0.0090**	**99**	**0.0001**
o-Xylene	**00095-47-6**	**0.0090**	**99**	**0.0001**
Carbon Disulfide	**00075-15-0**	**0.0226**	**99**	**0.0003**
Trimethylbenzene	**25551-13-7**	**0.0090**	**99**	**0.0001**
n-Propylbenzene	**00103-65-1**	**0.0090**	**99**	**0.0001**
isopropylbenzene	**00098-82-8**	**0.0090**	**99**	**0.0001**

Use Air Guide-1 (Draft 1991 Edition) screening equations on p. B-9 to estimate ambient impact. Compare impact estimate to AGC and SGC from tables in the back of Air Guide-1. See Air Guide 1, p. 8-9 for compounds not listed. Impact levels must be below guideline concentrations if air pollution control is not used.

CAS #	Short Term Impact (µg/m3) *	SGC (µg/m3)	Annual Impact (µg/m3) *	AGC (µg/m3)
00075-01-4	**3.59**	**180000**	**0.07**	**0.11**
00540-59-0	**24.34**	**-**	**0.51**	**1900**
00079-01-6	**32.29**	**54000**	**0.67**	**0.5**
00127-18-4	**298.68**	**1000**	**6.20**	**1.0**
00067-66-3	**2.65**	**150.00**	**0.06**	**0.04**
00075-35-4	**2.65**	**-**	**0.06**	**70.00**
00156-60-5	**2.65**	**-**	**0.06**	**1900.00**
00071-43-2	**0.94**	**1300.00**	**0.02**	**0.13**
00100-41-4	**2.65**	**54000.00**	**0.06**	**1000.00**
00108-88-3	**2.65**	**37000.00**	**0.06**	**400.00**
00108-38-3	**2.65**	**4300.00**	**0.06**	**100.00**
00095-47-6	**2.65**	**4300.00**	**0.06**	**100.00**
00075-15-0	**6.66**	**6200.00**	**0.14**	**700.00**
25551-13-7	**2.65**	**-**	**0.06**	**290.00**
00103-65-1	**2.65**	**-**	**0.06**	**0.10**
00098-82-8	**2.65**	**-**	**0.06**	**400.00**

*** Maximum Short-Term Impact (Cavity, Point & Area)**

*** Potential Annual Impact**

Note: The above short term and annual impacts were calculated using the DAR-1 Impact Screening Analysis Software (v.3.6) and assume the emission rate potential without GAC treatment.
Potential annual impacts are based on 52 weeks of system operation (8760 hours)

Air Pollution Control Equipment:

___ Not Needed Based on Analysis of Design Conditions
___ Not Needed Based on Analysis of Operating Conditions
__X__ Described Below

Air Pollution Control Type:

___ None
__X__ Activated Bed Absorber
___ Other, Explain:
___ Thermal Afterburner
___ Catalytic Unit

Manufacturer's Name: **Siemens**

Model Number: **VSC2000 (quantity: 2)**

Disposal of Collected Contaminants

___ Landfill Off-Site
___ Recycled in the Process
___ Recycled On-Site
__X__ Other, Explain: **Reactivated off-site**

Frequency of stack emission monitoring/testing **Monthly**

Monitoring/testing method **PID Monitoring, EPA Method 8260 (modified for Tedlar bag) vapor sample(s) as needed**

Name of DEC Spill/Remediation Project Manager **Todd Caffoe**

Phone # **(585) 226-5350**

This is not a permit until signed and dated by the Division of Regulatory Affairs below. All specifications and limits stated above and contained in any attached materials submitted with this application will become binding and enforcable conditions of the permit.

I certify this system will be operated in accordance with the specifications stated above and in compliance with all existing laws, rules and regulations.

Signature of Responsible Party	**Associate** Title	Date

Signature: _____ Date: _____
Division of Air Resources

Signature: _____ Date: _____
Division of Regulatory Affairs

c: DEC Project Manager

5/14/93 DEW

NON PETROLEUM
Spill Cleanup/Remediation Air Emission Permit Application
New York State Department of Environmental Conservation
Region 8, 6274 E. Avon-Lima Rd., Avon, NY 14414
5/14/93 DEW

Source: Air Stripper ___ Soil Vent ___ Other (specify) X **Multi-Phase Vapor Extraction**

Facility Name: **Ward St Site MPVE**

Facility Address: **408 St. Paul Street**
Rochester, NY

Startup Date: **Early September 2006** Shutdown Date: **TBD**

Stack Height: **56** ft
Stack Exit Inside Dimensions: **0.666666667** ft
Stack Exit Temperature: **70.7** °F
Stack Exit Flow Rate: **600** cfm

Contaminant Name	CAS #	Emission Rate Potential (lbs/hr)	Percent Control	Actual Emissions (lbs/hr)
Vinyl Chloride	**00075-01-4**	**0.0002**	**99**	**0.0001**
cis-1,2-Dichlorethene	**00540-59-0**	**0.0002**	**99**	**0.0001**
Trichloroethene	**00079-01-6**	**0.0002**	**99**	**0.0001**
Tetrachloroethene	**00127-18-4**	**0.0002**	**99**	**0.0001**
Chloroform	**00067-66-3**	**0.0002**	**99**	**0.0001**
1,1-Dichloroethene	**00075-35-4**	**0.0002**	**99**	**0.0001**
trans-1,2-Dichloroethene	**00156-60-5**	**0.0002**	**99**	**0.0001**
Benzene	**00071-43-2**	**0.0002**	**99**	**0.0001**
Ethylbenzene	**00100-41-4**	**0.0002**	**99**	**0.0001**
Toluene	**00108-88-3**	**0.0002**	**99**	**0.0001**
m,p-Xylene	**00108-38-3**	**0.0002**	**99**	**0.0001**
o-Xylene	**00095-47-6**	**0.0002**	**99**	**0.0001**
Carbon Disulfide	**00075-15-0**	**0.0002**	**99**	**0.0001**
Trimethylbenzene	**25551-13-7**	**0.0002**	**99**	**0.0001**
n-Propylbenzene	**00103-65-1**	**0.0002**	**99**	**0.0001**
isopropylbenzene	**00098-82-8**	**0.0002**	**99**	**0.0001**

Use Air Guide-1 (Draft 1991 Edition) screening equations on p. B-9 to estimate ambient impact. Compare impact estimate to AGC and SGC from tables in the back of Air Guide-1. See Air Guide 1, p. 8-9 for compounds not listed. Impact levels must be below guideline concentrations if air pollution control is not used.

CAS #	Short Term Impact (µg/m3) *	SGC (µg/m3)	Annual Impact (µg/m3) *	AGC (µg/m3)
00075-01-4	**0.06**	**180000**	**0.0012**	**0.11**
00540-59-0	**0.06**	**-**	**0.0012**	**1900**
00079-01-6	**0.06**	**54000**	**0.0012**	**0.5**
00127-18-4	**0.06**	**1000**	**0.0012**	**1.0**
00067-66-3	**0.06**	**150.00**	**0.0012**	**0.04**
00075-35-4	**0.06**	**-**	**0.0012**	**70.00**
00156-60-5	**0.06**	**-**	**0.0012**	**1900.00**
00071-43-2	**0.06**	**1300.00**	**0.0012**	**0.13**
00100-41-4	**0.06**	**54000.00**	**0.0012**	**1000.00**
00108-88-3	**0.06**	**37000.00**	**0.0012**	**400.00**
00108-38-3	**0.06**	**4300.00**	**0.0012**	**100.00**
00095-47-6	**0.06**	**4300.00**	**0.0012**	**100.00**
00075-15-0	**0.06**	**6200.00**	**0.0012**	**700.00**
25551-13-7	**0.06**	**-**	**0.0012**	**290.00**
00103-65-1	**0.06**	**-**	**0.0012**	**0.10**
00098-82-8	**0.06**	**-**	**0.0012**	**400.00**

*** Maximum Short-Term Impact (Cavity, Point & Area)**

*** Potential Annual Impact**

Note: The above short term and annual impacts were calculated using the DAR-1 Impact Screening Analysis Software (v.3.6) and assume the emission rate potential without GAC treatment.
Potential annual impacts are based on 52 weeks of system operation (8760 hours)

Air Pollution Control Equipment:

___ Not Needed Based on Analysis of Design Conditions
___ Not Needed Based on Analysis of Operating Conditions
__X__ Described Below

Air Pollution Control Type:

___ None
__X__ Activated Bed Absorber
___ Other, Explain:
___ Thermal Afterburner
___ Catalytic Unit

Manufacturer's Name: **Siemens**

Model Number: **VSC2000 (quantity: 2)**

Disposal of Collected Contaminants

___ Landfill Off-Site
___ Recycled in the Process
___ Recycled On-Site
__X__ Other, Explain: **Reactivated off-site**

Frequency of stack emission monitoring/testing **Monthly**

Monitoring/testing method **PID Monitoring, EPA Method 8260 (modified for Tedlar bag) vapor sample(s) as needed**

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Phone # **(585) 226-5350**

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Signature of Responsible Party	**Associate** Title	Date

Signature: _____ Date: _____
Division of Air Resources

Signature: _____ Date: _____
Division of Regulatory Affairs

c: DEC Project Manager

5/14/93 DEW

NON PETROLEUM
Spill Cleanup/Remediation Air Emission Permit Application
New York State Department of Environmental Conservation
Region 8, 6274 E. Avon-Lima Rd., Avon, NY 14414
5/14/93 DEW

Source: Air Stripper ___ Soil Vent ___ Other (specify) X **Multi-Phase Vapor Extraction**

Facility Name: **Ward St Site MPVE**

Facility Address: **408 St. Paul Street**
Rochester, NY

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Stack Height: **56** ft
Stack Exit Inside Dimensions: **0.666666667** ft
Stack Exit Temperature: **70.7** °F
Stack Exit Flow Rate: **600** cfm

Contaminant Name	CAS #	Emission Rate Potential (lbs/hr)	Percent Control	Actual Emissions (lbs/hr)
Vinyl Chloride	**00075-01-4**	**0.8972**	**99**	**0.009**
cis-1,2-Dichlorethene	**00540-59-0**	**0.8972**	**99**	**0.009**
Trichloroethene	**00079-01-6**	**0.8972**	**99**	**0.009**
Tetrachloroethene	**00127-18-4**	**0.8972**	**99**	**0.009**
Chloroform	**00067-66-3**	**0.8972**	**99**	**0.009**
1,1-Dichloroethene	**00075-35-4**	**0.8972**	**99**	**0.009**
trans-1,2-Dichloroethene	**00156-60-5**	**0.8972**	**99**	**0.009**
Benzene	**00071-43-2**	**0.8972**	**99**	**0.009**
Ethylbenzene	**00100-41-4**	**0.8972**	**99**	**0.009**
Toluene	**00108-88-3**	**0.8972**	**99**	**0.009**
m,p-Xylene	**00108-38-3**	**0.8972**	**99**	**0.009**
o-Xylene	**00095-47-6**	**0.8972**	**99**	**0.009**
Carbon Disulfide	**00075-15-0**	**0.8972**	**99**	**0.009**
Trimethylbenzene	**25551-13-7**	**0.8972**	**99**	**0.009**
n-Propylbenzene	**00103-65-1**	**0.8972**	**99**	**0.009**
isopropylbenzene	**00098-82-8**	**0.8972**	**99**	**0.009**

Use Air Guide-1 (Draft 1991 Edition) screening equations on p. B-9 to estimate ambient impact. Compare impact estimate to AGC and SGC from tables in the back of Air Guide-1. See Air Guide 1, p. 8-9 for compounds not listed. Impact levels must be below guideline concentrations if air pollution control is not used.

CAS #	Short Term Impact (µg/m3) *	SGC (µg/m3)	Annual Impact (µg/m3) *	AGC (µg/m3)
00075-01-4	**264.33**	**180000**	**5.49**	**0.11**
00540-59-0	**264.33**	**-**	**5.49**	**1900**
00079-01-6	**264.33**	**54000**	**5.49**	**0.5**
00127-18-4	**264.33**	**1000**	**5.49**	**1.0**
00067-66-3	**264.33**	**150.00**	**5.49**	**0.04**
00075-35-4	**264.33**	**-**	**5.49**	**70.00**
00156-60-5	**264.33**	**-**	**5.49**	**1900.00**
00071-43-2	**264.33**	**1300.00**	**5.49**	**0.13**
00100-41-4	**264.33**	**54000.00**	**5.49**	**1000.00**
00108-88-3	**264.33**	**37000.00**	**5.49**	**400.00**
00108-38-3	**264.33**	**4300.00**	**5.49**	**100.00**
00095-47-6	**264.33**	**4300.00**	**5.49**	**100.00**
00075-15-0	**264.33**	**6200.00**	**5.49**	**700.00**
25551-13-7	**264.33**	**-**	**5.49**	**290.00**
00103-65-1	**264.33**	**-**	**5.49**	**0.10**
00098-82-8	**264.33**	**-**	**5.49**	**400.00**

*** Maximum Short-Term Impact (Cavity, Point & Area)**

*** Potential Annual Impact**

Note: The above short term and annual impacts were calculated using the DAR-1 Impact Screening Analysis Software (v.3.6) and assume the emission rate potential without GAC treatment.
Potential annual impacts are based on 52 weeks of system operation (8760 hours)

Air Pollution Control Equipment:

___ Not Needed Based on Analysis of Design Conditions
___ Not Needed Based on Analysis of Operating Conditions
__X__ Described Below

Air Pollution Control Type:

___ None
__X__ Activated Bed Absorber
___ Other, Explain:
___ Thermal Afterburner
___ Catalytic Unit

Manufacturer's Name: **Siemens**

Model Number: **VSC2000 (quantity: 2)**

Disposal of Collected Contaminants

___ Landfill Off-Site
___ Recycled in the Process
___ Recycled On-Site
__X__ Other, Explain: **Reactivated off-site**

Frequency of stack emission monitoring/testing **Monthly**

Monitoring/testing method **PID Monitoring, EPA Method 8260 (modified for Tedlar bag) vapor sample(s) as needed**

Name of DEC Spill/Remediation Project Manager **Todd Caffoe**

Phone # **(585) 226-5350**

This is not a permit until signed and dated by the Division of Regulatory Affairs below. All specifications and limits stated above and contained in any attached materials submitted with this application will become binding and enforcable conditions of the permit.

I certify this system will be operated in accordance with the specifications stated above and in compliance with all existing laws, rules and regulations.

Signature of Responsible Party	**Associate** Title	Date

Signature: _____ Date: _____
Division of Air Resources

Signature: _____ Date: _____
Division of Regulatory Affairs

c: DEC Project Manager

5/14/93 DEW

Appendix B - Supporting Calculations for Air Guide-1 Ambient Air Quality Impact Screening Analysis

Emission Rate Calculations

Ward Street Site
Project no: 1405205 (190500014)
Prepared by: M.Bouchard
Date: 12 feb 2007

Emission Rate Calculations
Full-scale maximum measured

VOCs (as per vapor exhaust sampling result)	CAS #	Effluent Concentration (ug/m^3)	peak flow rate (acfm)	peak flow rate (air m^3/hr)	Peak emission rate (ug/hr)	Peak emission rate (lbs/hr)	Peak emission rate with factor of safety (x2) (lbs/hr)	Total hours of operation for the year (hrs/yr) (52 weeks/yr)	Peak emission rate (lbs/yr) (assuming 52 weeks)
Vinyl Chloride	00075-01-4	2700	600	1019.406477	2752397.489	0.0061	0.0122	8760	106.9
cis-1,2-Dichlorethene	00540-59-0	18400	600	1019.406477	18757079.18	0.0413	0.0826	8760	723.6
Trichloroethene	00079-01-6	24400	600	1019.406477	24873518.05	0.0548	0.1096	8760	960.1
Tetrachloroethene	00127-18-4	226000	600	1019.406477	230385863.9	0.5069	1.0138	8760	8880.9
Chloroform	00067-66-3	2000	600	1019.406477	2038812.955	0.0045	0.009	8760	78.9
1,1-Dichloroethene	00075-35-4	2000	600	1019.406477	2038812.955	0.0045	0.009	8760	78.9
trans-1,2-Dichloroethene	00156-60-5	2000	600	1019.406477	2038812.955	0.0045	0.009	8760	78.9
Benzene	00071-43-2	700	600	1019.406477	713584.5341	0.0016	0.0032	8760	28.1
Ethylbenzene	00100-41-4	2000	600	1019.406477	2038812.955	0.0045	0.009	8760	78.9
Toluene	00108-88-3	2000	600	1019.406477	2038812.955	0.0045	0.009	8760	78.9
m,p-Xylene	00108-38-3	2000	600	1019.406477	2038812.955	0.0045	0.009	8760	78.9
o-Xylene	00095-47-6	2000	600	1019.406477	2038812.955	0.0045	0.009	8760	78.9
Carbon Disulfide	00075-15-0	5000	600	1019.406477	5097032.387	0.0113	0.0226	8760	198
Trimethylbenzene	25551-13-7	2000	600	1019.406477	2038812.955	0.0045	0.009	8760	78.9
n-Propylbenzene	00103-65-1	2000	600	1019.406477	2038812.955	0.0045	0.009	8760	78.9
isopropylbenzene	00098-82-8	2000	600	1019.406477	2038812.955	0.0045	0.009	8760	78.9
Total VOCs		**297200**	600	1019.406477	302967605.1	0.6666	1.3332	8760	11678.9

Estimate of Flow Velocity

Flow rate (cfm)	diam (ft)	xsec area (sqft)	flow velocity (ft/min)	sec/min	flow velocity (ft/sec)
600	0.666666667	0.34906585	1718.873385	60	**29**

U:\1405205\docs\OM&M\Progress Report No.4\[tbl_190500014_Ward_OM&M_PR4_Jan08.xls]Emiss&flow_fullscale

Appendix B - Supporting Calculations for Air Guide-1 Ambient Air Quality Impact Screening Analysis

Emission Rate Calculations

Ward Street Site
Project no: 1405205 (190500014)
Prepared by: M.Bouchard
Date: 12 feb 2007

Emission Rate Calculations
0.01 ug/m3 effluent concentration for each compound

VOCs (as per vapor exhaust sampling result)	CAS #	Effluent Concentration (ug/m^3)	peak flow rate (acfm)	peak flow rate (air m^3/hr)	Peak emission rate (ug/hr)	Peak emission rate (lbs/hr)	Peak emission rate with factor of safety (x2) (lbs/hr)	Total hours of operation for the year (hrs/yr) (52 weeks/yr)	Peak emission rate (lbs/yr) (assuming 52 weeks)
Vinyl Chloride	00075-01-4	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
cis-1,2-Dichlorethene	00540-59-0	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
Trichloroethene	00079-01-6	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
Tetrachloroethene	00127-18-4	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
Chloroform	00067-66-3	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
1,1-Dichloroethene	00075-35-4	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
trans-1,2-Dichloroethene	00156-60-5	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
Benzene	00071-43-2	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
Ethylbenzene	00100-41-4	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
Toluene	00108-88-3	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
m,p-Xylene	00108-38-3	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
o-Xylene	00095-47-6	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
Carbon Disulfide	00075-15-0	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
Trimethylbenzene	25551-13-7	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
n-Propylbenzene	00103-65-1	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
isopropylbenzene	00098-82-8	0.01	600	1019.406477	10.19406477	0.0001	0.0002	8760	1.8
Total VOCs		**0.16**	600	1019.406477	163.1050364	0.0001	0.0002	8760	1.8

Estimate of Flow Velocity

Flow rate (cfm)	diam (ft)	xsec area (sqft)	flow velocity (ft/min)	sec/min	flow velocity (ft/sec)
600	0.666666667	0.34906585	1718.873385	60	**29**

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Appendix B - Supporting Calculations for Air Guide-1 Ambient Air Quality Impact Screening Analysis

Emission Rate Calculations

Ward Street Site
Project no: 1405205 (190500014)
Prepared by: M.Bouchard
Date: 12 feb 2007

Emission Rate Calculations

200,000 ug/m3 effluent concentration for each compound

VOCs (as per vapor exhaust sampling result)	CAS #	Effluent Concentration (ug/m^3)	peak flow rate (acfm)	peak flow rate (air m^3/hr)	Peak emission rate (ug/hr)	Peak emission rate (lbs/hr)	Peak emission rate with factor of safety (x2) (lbs/hr)	Total hours of operation for the year (hrs/yr) (52 weeks/yr)	Peak emission rate (lbs/yr) (assuming 52 weeks)
Vinyl Chloride	00075-01-4	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
cis-1,2-Dichlorethene	00540-59-0	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
Trichloroethene	00079-01-6	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
Tetrachloroethene	00127-18-4	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
Chloroform	00067-66-3	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
1,1-Dichloroethene	00075-35-4	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
trans-1,2-Dichloroethene	00156-60-5	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
Benzene	00071-43-2	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
Ethylbenzene	00100-41-4	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
Toluene	00108-88-3	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
m,p-Xylene	00108-38-3	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
o-Xylene	00095-47-6	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
Carbon Disulfide	00075-15-0	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
Trimethylbenzene	25551-13-7	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
n-Propylbenzene	00103-65-1	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
isopropylbenzene	00098-82-8	200000	600	1019.406477	203881295.5	0.4486	0.8972	8760	7859.5
Total VOCs		**3200000**	600	1019.406477	3262100727	7.1767	14.3534	8760	125735.8

Estimate of Flow Velocity

Flow rate (cfm)	diam (ft)	xsec area (sqft)	flow velocity (ft/min)	sec/min	flow velocity (ft/sec)
600	0.666666667	0.34906585	1718.873385	60	**29**

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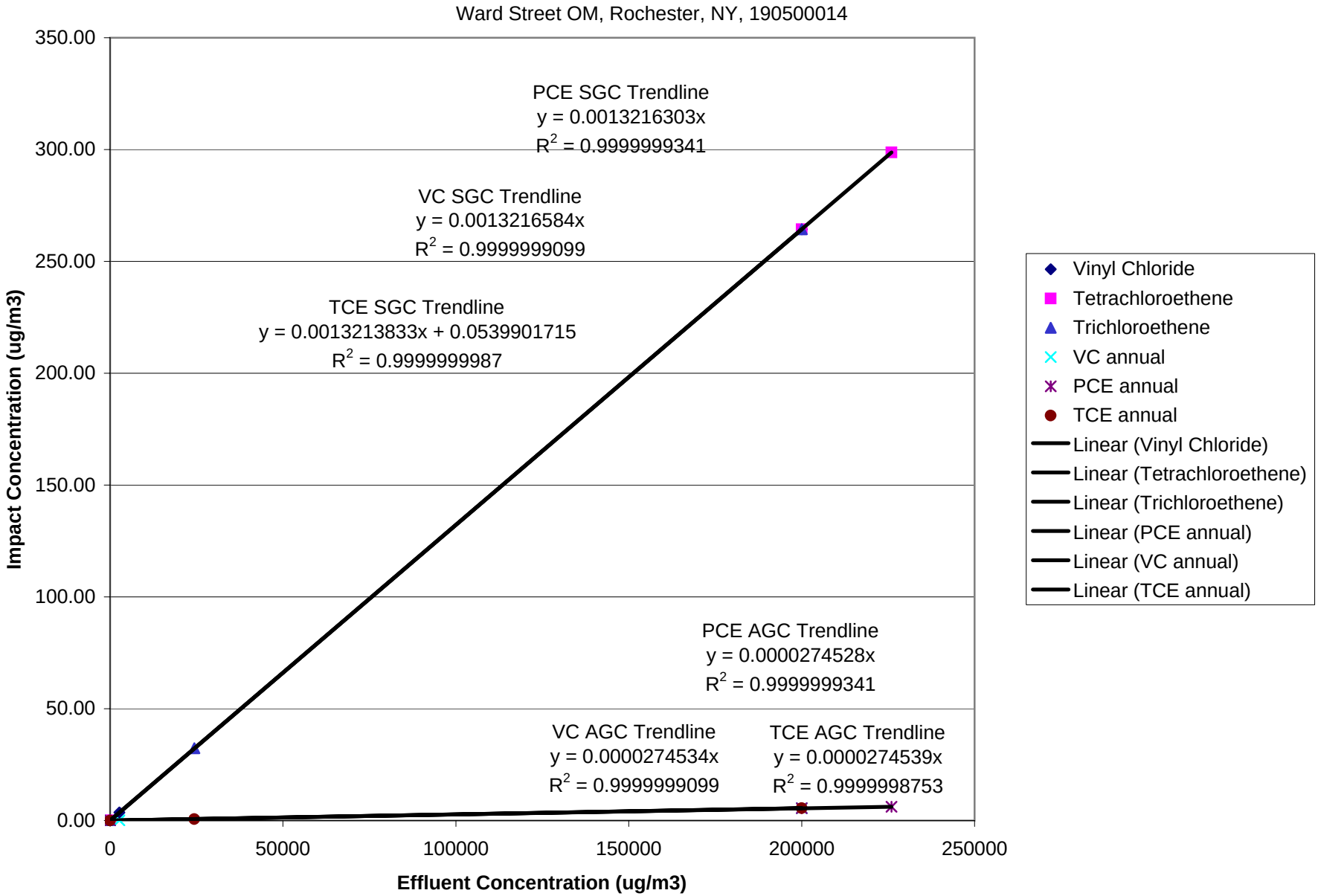
Appendix B - Input Data for Air Guide-1 Software Ambient Air Quality Impact Screening Analysis

Ward Street Site
Project no: 1405205 (190500014)
Prepared by: M.Bouchard
Date: 12 feb 2007

Description	Full-scale maximum measured	0.01 ug/m3 effluent concentration for each compound	200,000 ug/m3 effluent concentration for each compound
Run File Name	c:\wardOMM1	c:\wardOMM2	c:\wardOMM3
Location code	261400	261400	261400
Facility Code	Blank	Blank	Blank
Facility Name	Ward St Site MPVE	Ward St Site MPVE	Ward St Site MPVE
Facility Address	408 St. Paul Street	408 St. Paul Street	408 St. Paul Street
Facility City	Rochester	Rochester	Rochester
Standard Industrial Code (SIC)	Blank	Blank	Blank
Emission Point Number	1	1	1
Source Code	2912219	2912219	2912219
Application Type	Blank	Blank	Blank
Source Type	Point	Point	Point
Height of stack above structures (ft)	11	11	11
Stack Height (ft)	56	56	56
Stack diameter (in)	8	8	8
Stack temperature (deg F)	70.7	70.7	70.7
Exit Velocity (ft/sec)	29	29	29
Exit flow rate (actual cfm)	600	600	600
Distance to property line (ft)	120	120	120
Building width (ft)	125	125	125
Building length (ft)	165	165	165
Direction building length is facing (deg from North, clockwise)	292.5	292.5	292.5
UTME (meters)	287605	287605	287605
UTMW (meters)	4782344	4782344	4782344
UTM zone	18	18	18
Emission rate units	lby	lby	lby
Number of pollutants	16	16	16
CAS number (1)	00540-59-0	00540-59-0	00540-59-0
Emissions (lbs/hr) (1)	0.0826	0.0002	0.8972
Emissions (lbs/yr) (1)	723.6	1.8	7859.5
CAS number (2)	00079-01-6	00079-01-6	00079-01-6
Emissions (lbs/hr) (2)	0.1096	0.0002	0.8972
Emissions (lbs/yr) (2)	960.1	1.8	7859.5
CAS number (3)	00127-18-4	00127-18-4	00127-18-4
Emissions (lbs/hr) (3)	1.0138	0.0002	0.8972
Emissions (lbs/yr) (3)	8880.9	1.8	7859.5
CAS number (4)	00075-01-4	00075-01-4	00075-01-4
Emissions (lbs/hr) (4)	0.0122	0.0002	0.8972
Emissions (lbs/yr) (4)	106.9	1.8	7859.5
CAS number (5)	00067-66-3	00067-66-3	00067-66-3
Emissions (lbs/hr) (5)	0.009	0.0002	0.8972
Emissions (lbs/yr) (5)	78.9	1.8	7859.5
CAS number (6)	00075-35-4	00075-35-4	00075-35-4
Emissions (lbs/hr) (6)	0.009	0.0002	0.8972
Emissions (lbs/yr) (6)	78.9	1.8	7859.5
CAS number (7)	00156-60-5	00156-60-5	00156-60-5
Emissions (lbs/hr) (7)	0.009	0.0002	0.8972
Emissions (lbs/yr) (7)	78.9	1.8	7859.5
CAS number (8)	00071-43-2	00071-43-2	00071-43-2
Emissions (lbs/hr) (8)	0.0032	0.0002	0.8972
Emissions (lbs/yr) (8)	28.1	1.8	7859.5
CAS number (9)	00100-41-4	00100-41-4	00100-41-4
Emissions (lbs/hr) (9)	0.009	0.0002	0.8972
Emissions (lbs/yr) (9)	78.9	1.8	7859.5
CAS number (10)	00108-88-3	00108-88-3	00108-88-3
Emissions (lbs/hr) (10)	0.009	0.0002	0.8972
Emissions (lbs/yr) (10)	78.9	1.8	7859.5
CAS number (11)	00108-38-3	00108-38-3	00108-38-3
Emissions (lbs/hr) (11)	0.009	0.0002	0.8972
Emissions (lbs/yr) (11)	78.9	1.8	7859.5
CAS number (12)	00095-47-6	00095-47-6	00095-47-6
Emissions (lbs/hr) (12)	0.009	0.0002	0.8972
Emissions (lbs/yr) (12)	78.9	1.8	7859.5
CAS number (13)	00075-15-0	00075-15-0	00075-15-0
Emissions (lbs/hr) (13)	0.0226	0.0002	0.8972
Emissions (lbs/yr) (13)	198	1.8	7859.5
CAS number (14)	25551-13-7	25551-13-7	25551-13-7
Emissions (lbs/hr) (14)	0.009	0.0002	0.8972
Emissions (lbs/yr) (14)	78.9	1.8	7859.5
CAS number (15)	00103-65-1	00103-65-1	00103-65-1
Emissions (lbs/hr) (15)	0.009	0.0002	0.8972
Emissions (lbs/yr) (15)	78.9	1.8	7859.5
CAS number (16)	00098-82-8	00098-82-8	00098-82-8
Emissions (lbs/hr) (16)	0.009	0.0002	0.8972
Emissions (lbs/yr) (16)	78.9	1.8	7859.5

Linear Regression of Air Guide 1 Model Relationship Between Effluent Concentration and Impact Concentration (Annual Guideline Concentration)



Summary of Calculated Effluent Guidelines at GAC outlet

Ward Street OM, Rochester, NY, 190500014

Compound	CAS#	SGC (ug/m3)	AGC (ug/m3)	Short-term effluent guideline at GAC outlet (ug/m3)	Annual effluent guideline at GAC outlet (ug/m3)
Vinyl Chloride	00075-01-4	180000	0.11	136000	4
cis-1,2-Dichlorethene	00540-59-0	-	1900	-	69000
Trichloroethene	00079-01-6	54000	0.5	40000	18
Tetrachloroethene	00127-18-4	1000	1	750	36
Chloroform	00067-66-3	150	0.043	113	1
1,1-Dichloroethene	00075-35-4	-	70	-	2500
trans-1,2-Dichloroethene	00156-60-5	-	1900	-	69000
Benzene	00071-43-2	1300	0.13	980	4
Ethylbenzene	00100-41-4	54000	1000	40000	36000
Toluene	00108-88-3	37000	400	27000	14000
m,p-Xylene	00108-38-3	4300	100	3200	3600
o-Xylene	00095-47-6	4300	100	3200	3600
Carbon Disulfide	00075-15-0	6200	700	4600	25000
Trimethylbenzene	25551-13-7	-	290	-	10000
n-Propylbenzene	00103-65-1	-	0.1	-	3
isopropylbenzene	00098-82-8	-	400	-	14000
MTBE	01634-04-4	1	3000	-	109000
Naphtalene	00091-20-3	7900	3	5900	100
1.2.4-trimethylbenzene	00095-63-6	-	290	-	10000
1.3.5-trimethylbenzene	00108-67-8	-	290	-	10000

Parameter	Concentration (mg/m^3)																	
Sample ID	***Short Term Guideline Concentration (µg/m^3)***	***SGC-Based Effluent Guideline (mg/m^3)***	***Annual Guideline Concentration (µg/m^3)***	***AGC-Based Effluent Guideline (mg/m^3)***	**WSR-VAP-01**	**WSR-VAP-02**	**WSR-VAP-03**	**WSR-VAP-04**	**WSR-VAP-05**	**WSR-VAP-06**	**WSR-VAP-07**	**WSR-VAP-08**	**WSR-VAP-09**	**WSR-VAP-10**	**WSR-VAP-11**	**WSR-VAP-12**	**WSR-VAP-14**	**WSR-VAP-15**	**WSR-VAP-16**
Date Sampled:					*9/27/2006*	*9/28/2006*	*9/29/2006*	*10/2/2006*	*10/3/2006*	*10/3/2006*	*10/5/2006*	*10/5/2006*	*10/13/2006*	*10/13/2006*	*10/20/2006*	*10/20/2006*	*11/8/2006*	*1/30/2007*	*1/30/2007*
Time:					*9:20*	*10:30*	*14:10*	*13:50*	*16:20*	*16:25*	*17:40*	*17:45*	*9:35*	*9:40*	*8:25*	*8:30*	*17:05*	*10:45*	*10:45*
PID 10.6eV (ppmV isobutylene)					*84.3*	*0.3*	*2.6*	*5*	*88.4*	*0.2*	*48.9*	*0*	*54.8*	*0*	*41.3*	*2*	*9.5*	*11.4*	*13*
PID 11.7eV (ppmV isobutylene)					*264*	*2.4*	*4.2*	*5.1*	*207*	*2.4*	*87.3*	*1.3*	*94.7*	*0*	*42.6*	*2.7*	*NA*	*NA*	*NA*
Associated Well or Area					*MW-22*	*MW-219*	*MW-200*	*MW-215*	*Bldg B Annex OB*	*Bldg B Annex OB*	*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*
Test					*ROI*	*ROI*	*IWVT*	*IWVT*	*Group*	*Group*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*
Sample Location					*Pre-VGAC1*	*Pre-VGAC1*	*Pre-VGAC1*	*Pre-VGAC1*	*Pre-VGAC1*	*Post-VGAC2*	*Pre-VGAC1*	*Post-VGAC2*	*Pre-VGAC1*	*Post-VGAC2*	*Pre-VGAC1*	*Post-VGAC2*	*Post-VGAC2*	*Pre-VGAC1*	*Post-VGAC2*
Sample Temperature (°F)					*68*	*72.5*	*73*	*80*	*80*	*80*	*70.5*	*70.5*	*51*	*51*	*60*	*60*	*67.6*	*45.6*	*45.9*
Halocarbons																			
Bromodichloromethane	-		-		ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Bromomethane	-		-		ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Bromoforrn	-		-		ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Carbon Tetrachloride	-		-		ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Chloroethane	-		-		ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Chloromethane	-		-		ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
2-Chloroethyl vinyl Ether	-		-		ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Chloroform	150	113	0.043	1	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Dibromochloromethane	-		-		ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
1,1-Dichloroethane	-		-		ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
1,2-Dichloroethane	-		-		ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
1,1-Dichloroethene	-	-	70	2500	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
cis-1,2-Dichloroethene	-	-	1900	69000	**12.6**	ND <2.0	ND <2.0	ND <2.0	0	**18.4**	ND <2.0	**6.6**	ND <2.0	ND <2.0	ND <1.00	**1.75**	ND <1.00	ND <1.00	ND <1.00
trans-1,2-Dichloroethene	-	-	1900	69000	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
1,2-Dichloropropane	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
cis-1,3-Dichloropropene	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
trans-1,3-Dichloropropene	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Methylene chloride	-	-	-	-	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <2.50	ND <2.50	ND <2.50	ND <2.50	ND <2.50
1,1,2,2-Tetrachloroethane	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Tetrachloroethene	1000	750	1	36	**166**	**4.19**	ND <2.0	ND <2.0	**226**	**2.15**	**51.1**	ND <2.0	**27.7**	ND <2.0	**19.2**	ND <1.00	ND <1.00	**3.71**	**17.5**
1,1,1-Trichloroethane	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
1,1,2-Trichloroethane	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Trichloroethene	54000	40000	0.5	18	20.6	ND <2.0	**3.87**	ND <2.0	**24.4**	ND <2.0	**10.2**	ND <2.0	ND <2.0	ND <2.0	**2.62**	ND <1.00	**6.18**	ND <1.00	ND <1.00
Trichlorofluoromethane	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
vinyl chloride	2E+05	136000	0.11	4	**2.7**	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Aromatics																			
Benzene	1300	980	0.13	4	ND <0.7	ND <0.7	ND <0.7	ND <0.7	ND <0.7	ND <0.7	ND <0.7	ND <0.7	ND <0.7	ND <0.7	ND <0.350	ND <0.350	ND <0.350	ND <0.350	ND <0.350
n-Butylbenzene	-	-	-	-		ND <2.0		ND <2.0			ND <2.0	ND <2.0						ND <2.0	ND <2.0
sec-Butylbenzene	-	-	-	-		ND <2.0		ND <2.0			ND <2.0	ND <2.0						ND <2.0	ND <2.0
tert-Butylbenzene	-	-	-	-		ND <2.0		ND <2.0			ND <2.0	ND <2.0						ND <2.0	ND <2.0
Chlorobenzene	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Ethylbenzene	54000	40000	1000	36000	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Isopropylbenzene	-	-	400	14000		ND <2.0		ND <2.0			ND <2.0	ND <2.0						ND <2.0	ND <2.0
p-Isopropyltoluene	-	-	-	-		ND <2.0		ND <2.0			ND <2.0	ND <2.0						ND <2.0	ND <2.0
Naphtalene	7900	5900	3	100		ND <5.0		ND <5.0			ND <5.0	ND <5.0						ND <5.0	ND <5.0
n-Propylbenzene	-	-	0.1	3		ND <2.0		ND <2.0			ND <2.0	ND <2.0						ND <2.0	ND <2.0
Toluene	37000	27000	400	14000	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
1,2,4-Trimethylbenzene	-	-	290	10000		ND <2.0		ND <2.0			ND <2.0	ND <2.0						ND <2.0	ND <2.0
1,3,5-Trimethylbenzene	-	-	290	10000		ND <2.0		ND <2.0			ND <2.0	ND <2.0						ND <2.0	ND <2.0
m,p-Xylene	4300	3200	100	3600	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
o-Xylene	4300	3200	100	3600	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Styrene	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
1,2-Dichlorobenzene	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
1,3-Dichlorobenzene	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
1,4-Dichlorobenzene	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
Ketones																			
Acetone	-	-	-	-	ND <10	ND <10	ND <10	ND <10	ND <10	ND <10	ND <10	ND <10	ND <10	ND <10	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00
2-Butanone	-	-	-	-	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <2.50	ND <2.50	ND <2.50	ND <2.50	ND <2.50
2-Hexanone	-	-	-	-	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <2.50	ND <2.50	ND <2.50	ND <2.50	ND <2.50
4-Methyl-2-pentanone	-	-	-	-	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <2.50	ND <2.50	ND <2.50	ND <2.50	ND <2.50
Miscellaneous																			
Carbon disulfide	6200	4600	700	25000	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <2.50	ND <2.50	ND <2.50	ND <2.50	ND <2.50
Methyl tert-butyl ether	-	-	3000	1E+05		ND <2.0		ND <2.0			ND <2.0	ND <2.0						ND <2.0	ND <2.0
Vinyl acetate	-	-	-	-	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <5.0	ND <2.50	ND <2.50	ND <2.50	ND <2.50	ND <2.50
Total VOCs (mg/m^3)		**261743**		**4E+05**	**201.9**	**4.19**	**3.87**	0	**268.8**	**2.15**	**67.9**	0	**27.7**	0	**21.82**	**1.75**	**6.18**	**3.71**	**17.5**

Notes:
- Short-term and annual guidelines were developed using Air Guide 1 DAR-1 software, and are based on a 56ft stack height.
- Samples collected in Tedlar bags and analyzed using a modified EPA method 8260.
- ND denotes non-detect
- mg/m^3 is milligram per cubic meter of air at standard temperature (20 degC) and pressure (101.325 kPa).
- **Bold-faced** values are concentrations that have been reported above the detection limits.

Client/Project
GERMANOW-SIMON CORPORATION
PROGRESS REPORT NO.3 - INTERIM QUARTERLY MPVE OM&M, WARD STREET SITE, ROCHESTER, NEW YORK

Table No.
3-2a

Title
Vapor Discharge Analytical Results

Parameter	Concentration (mg/m^3)																
Sample ID	***Short Term Guideline Concentration (µg/m^3)***	***SGC-Based Effluent Guideline (mg/m^3)***	***Annual Guideline Concentration (µg/m^3)***	***AGC-Based Effluent Guideline (mg/m^3)***	**WSR-VAP-17**	**WSR-VAP-18**	**WSR-VAP-19**	**WSR-VAP-20**	**WSR-VAP-21 ****	**WSR-VAP-22 ****	**Trip Blank**	**WSR-VAP-23 ****	**WSR-VAP-24 ****	**Trip Blank**	**WSR-VAP-25 ****	**WSR-VAP-26 ****
Date Sampled:					*3/21/2007*	*3/21/2007*	*4/19/2007*	*4/19/2007*	*5/21/2007*	*5/21/2007*	*5/21/2007*	*6/19/2007*	*6/19/2007*	*6/19/2007*	*7/19/2007*	*7/19/2007*
Time:					*11:10*	*11:15*	*16:45*	*16:45*	*10:35*	*10:40*	*N/A*	*14:35*	*14:38*	*N/A*	*14:05*	*14:10*
PID 10.6eV (ppmV isobutylene)					*8.7*	*4.3*	*5.1*	*2*	*11.9*	*1.2*	*N/A*	*21.7*	*1.4*	*N/A*	*68*	*3.9*
PID 11.7eV (ppmV isobutylene)					*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*N/A*	*NA*	*NA*	*N/A*	*NA*	*NA*
Associated Well or Area					*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*	*Whole System*
Test					*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*	*Monitoring*
Sample Location					*Pre-VGAC1*	*Post-VGAC2*	*Pre-VGAC1*	*Post-VGAC2*	*Pre-VGAC1*	*Post-VGAC2*	*N/A*	*Pre-VGAC1*	*Post-VGAC2*	*N/A*	*Pre-VGAC1*	*Post-VGAC2*
Sample Temperature (°F)					*67.2*	*67.6*	*69.5*	*69.5*	*70.5*	*70.5*	*N/A*	*87.5*	*87.5*	*N/A*	*85.5*	*85.5*
Halocarbons																
Bromodichloromethane	-		-		ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000661	ND <0.000661	ND <0.000663	ND <0.000967	ND <0.000928	ND <0.000682	ND <0.0099	ND <0.0099
Bromomethane	-		-		ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000384	ND <0.000384	ND <0.000384	ND <0.000561	ND <0.000538	ND <0.000396	ND <0.0058	ND <0.0058
Bromoforrn	-		-		ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.00102	ND <0.00102	ND <0.00102	ND <0.00149	ND <0.00143	ND <0.00105	ND <0.015	ND <0.015
Carbon Tetrachloride	-		-		ND <1.00	ND <1.00	ND <1.00	ND <1.00	**0.000734**	ND <0.000620	ND <0.000622	ND <0.000908	ND <0.000870	ND <0.000640	ND <0.0093	ND <0.0093
Chloroethane	-		-		ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000261	ND <0.000261	ND <0.000262	ND <0.000382	ND <0.000366	ND <0.000270	ND <0.0039	ND <0.0039
Chloromethane	-		-		ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000204	**0.000716**	ND <0.000204	ND <0.000299	ND <0.000286	ND <0.000211	ND <0.0031	ND <0.0031
2-Chloroethyl vinyl Ether	-		-		ND <1.00	ND <1.00	ND <1.00	ND <1.00	-	-	-	-	-	-	-	-
Chloroform	150	113	0.043	1	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000482	ND <0.000482	ND <0.000483	ND <0.000705	**0.0013**	ND <0.000497	ND <0.0072	ND <0.0072
Dibromochloromethane	-		-		ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000841	ND <0.000841	ND <0.000843	ND <0.00123	ND <0.00118	ND <0.000868	ND <0.013	ND <0.013
1,1-Dichloroethane	-		-		ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000400	ND <0.000400	ND <0.000401	0.00115	ND <0.000561	ND <0.000413	ND <0.0060	ND <0.0060
1,2-Dichloroethane	-		-		ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000400	ND <0.000400	ND <0.000401	ND <0.000585	ND <0.000561	ND <0.000413	ND <0.0060	ND <0.0060
1,1-Dichloroethene	-	-	70	2500	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000392	**0.00432**	ND <0.000393	ND <0.000573	**0.00868**	ND <0.000404	ND <0.0059	**0.0081**
cis-1,2-Dichloroethene	-	-	1900	69000	ND <1.00	ND <1.00	ND <1.00	ND <1.00	**1.12**	**0.0194**	ND <0.000393	**0.734**	**2.23**	ND <0.000404	**0.94**	**1.6**
trans-1,2-Dichloroethene	-	-	1900	69000	ND <1.00	ND <1.00	ND <1.00	ND <1.00	**0.0354**	**0.00241**	ND <0.000393	**0.0252**	**0.0911**	ND <0.000404	**0.051**	**0.085**
1,2-Dichloropropane	-	-	-	-	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000457	ND <0.000457	ND <0.000458	ND <0.000669	ND <0.000641	ND <0.000472	ND <0.0069	ND <0.0069
cis-1,3-Dichloropropene	-	-	-	-	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000449	ND <0.000449	ND <0.000450	ND <0.000657	ND <0.000630	ND <0.000463	ND <0.0067	ND <0.0067
trans-1,3-Dichloropropene	-	-	-	-	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000449	ND <0.000449	ND <0.000450	ND <0.000657	ND <0.000630	ND <0.000463	ND <0.0067	ND <0.0067
Methylene chloride	-	-	-	-	ND <2.50	ND <2.50	ND <2.50	ND <2.50	ND <0.00171	ND <0.00171	ND <0.00172	ND <0.00251	ND <0.00240	**0.00287**	ND <0.026	ND <0.026
1,1,2,2-Tetrachloroethane	-	-	-	-	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000678	ND <0.000678	ND <0.000679	ND <0.000991	ND <0.000951	ND <0.000699	ND <0.010	ND <0.010
Tetrachloroethene	1000	750	1	36	**1.65**	ND <1.00	ND <1.00	ND <1.00	**11.1**	**0.0535**	ND <0.000671	ND <0.000979	**0.0586**	ND <0.000691	**9.4**	**0.014**
1,1,1-Trichloroethane	-	-	-	-	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000539	ND <0.000539	ND <0.000540	ND <0.000788	ND <0.000756	ND <0.000556	ND <0.0081	ND <0.0081
1,1,2-Trichloroethane	-	-	-	-	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000539	ND <0.000539	ND <0.000540	ND <0.000788	ND <0.000756	ND <0.000556	ND <0.0081	ND <0.0081
Trichloroethene	54000	40000	0.5	18	ND <1.00	ND <1.00	ND <1.00	ND <1.00	**0.718**	**0.00284**	ND <0.000250	**0.351**	**0.0041**	ND <0.000258	**2.3**	ND <0.0038
Trichlorofluoromethane	-	-	-	-	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000555	**0.00347**	ND <0.000556	**0.00451**	**0.000779**	ND <0.000573	<0.0083	-
vinyl chloride	2E+05	136000	0.11	4	ND <1.00	ND <1.00	ND <1.00	ND <1.00	**0.0166**	**0.00751**	ND <0.000254	**0.0138**	**0.0163**	ND <0.000261	**0.038**	**0.014**
Aromatics																
Benzene	1300	980	0.13	4	ND <0.350	ND <0.350	ND <0.350	ND <0.350	**0.00396**	**0.002**	ND <0.000319	**0.00247**	**0.000976**	ND <0.000329	ND <0.0048	ND <0.0048
n-Butylbenzene	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	*	*	*	*	*	*	*	*
sec-Butylbenzene	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	*	*	*	*	*	*	*	*
tert-Butylbenzene	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	*	*	*	*	*	*	*	*
Chlorobenzene	-	-	-	-	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000457	ND <0.000457	ND <0.000458	ND <0.000669	ND <0.000641	ND <0.000472	ND <0.0069	ND <0.0069
Ethylbenzene	54000	40000	1000	36000	ND <1.00	ND <1.00	ND <1.00	ND <1.00	**0.00352**	ND <0.000433	ND <0.000434	**0.00414**	ND <0.000607	ND <0.000447	ND <0.0065	ND <0.0065
Isopropylbenzene	-	-	400	14000	ND <2.0	ND <2.0	ND <2.0	ND <2.0	*	*	*	*	*	*	*	*
p-Isopropyltoluene	-	-	-	-	ND <2.0	ND <2.0	ND <2.0	ND <2.0	*	*	*	*	*	*	*	*
Naphtalene	7900	5900	3	100	ND <5.0	ND <5.0	ND <5.0	ND <5.0	*	*	*	*	*	*	*	*
n-Propylbenzene	-	-	0.1	3	ND <2.0	ND <2.0	ND <2.0	ND <2.0	*	*	*	*	*	*	*	*
Toluene	37000	27000	400	14000	ND <1.00	ND <1.00	ND <1.00	ND <1.00	**0.00174**	ND <0.000376	ND <0.000376	**0.00497**	**0.000873**	ND <0.000388	ND <0.0056	ND <0.0056
1,2,4-Trimethylbenzene	-	-	290	10000	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <0.000490	**0.000569**	ND <0.000491	ND <0.000717	ND <0.000687	ND <0.000506	**8.9**	**0.0081**
1,3,5-Trimethylbenzene	-	-	290	10000	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <0.000490	ND <0.000490	ND <0.000491	ND <0.000717	ND <0.000687	ND <0.000506	**0.74**	ND <0.0075
m,p-Xylene	4300	3200	100	3600	ND <1.00	ND <1.00	ND <1.00	ND <1.00	**0.00646**	ND <0.000433	ND <0.000434	**0.00538**	ND <0.000607	ND <0.000447	**0.029**	ND <0.0065
o-Xylene	4300	3200	100	3600	ND <1.00	ND <1.00	ND <1.00	ND <1.00	**0.00486**	ND <0.000433	ND <0.000434	**0.00533**	ND <0.000607	ND <0.000447	ND <0.0065	ND <0.0065
Styrene	-	-	-	-	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000425	ND <0.000425	ND <0.000425	ND <0.000621	ND <0.000596	ND <0.000438	ND <0.0064	ND <0.0064
1,2-Dichlorobenzene	-	-	-	-	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000596	ND <0.000596	ND <0.000597	ND <0.000872	ND <0.000836	ND <0.000615	ND <0.0090	ND <0.0090
1,3-Dichlorobenzene	-	-	-	-	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000596	ND <0.000596	ND <0.000597	ND <0.000872	ND <0.000836	ND <0.000615	ND <0.0090	ND <0.0090
1,4-Dichlorobenzene	-	-	-	-	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <0.000596	ND <0.000596	ND <0.000597	ND <0.000872	ND <0.000836	ND <0.000615	ND <0.0090	ND <0.0090
Ketones																
Acetone	-	-	-	-	ND <5.00	ND <5.00	ND <5.00	ND <5.00	**0.0346**	**0.0112**	**0.00144**	**0.0147**	**0.0268**	**0.00536**	**0.059**	**0.11**
2-Butanone	-	-	-	-	ND <2.50	ND <2.50	ND <2.50	ND <2.50	ND <0.000294	**0.00111**	ND <0.000294	ND <0.000430	ND <0.000412	ND <0.000303	**0.012**	ND 0.0088
2-Hexanone	-	-	-	-	ND <2.50	ND <2.50	ND <2.50	ND <2.50	ND <0.000408	ND <0.000408	ND <0.000409	ND <0.000597	ND <0.000573	ND <0.000421	ND <0.0061	ND <0.012
4-Methyl-2-pentanone	-	-	-	-	ND <2.50	ND <2.50	ND <2.50	ND <2.50	ND <0.000408	ND <0.000408	ND <0.000409	ND <0.000597	ND <0.000573	ND <0.000421	ND <0.012	ND <0.012
Miscellaneous																
Carbon disulfide	6200	4600	700	25000	ND <2.50	ND <2.50	ND <2.50	ND <2.50	ND <0.000310	ND <0.000310	ND <0.000311	**0.000727**	ND <0.000435	**0.00659**	**0.0068**	ND <0.0047
Methyl tert-butyl ether	-	-	3000	1E+05	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <0.000359	ND <0.000359	ND <0.000360	ND <0.000525	ND <0.000504	ND <0.000371	ND <0.0054	ND <0.0054
Vinyl acetate	-	-	-	-	ND <2.50	ND <2.50	ND <2.50	ND <2.50	ND <0.000351	ND <0.000351	ND <0.000352	ND <0.000514	ND <0.000492	ND <0.000362	ND <0.0053	ND <0.0053
Total VOCs (mg/m^3)		**261743**		**4E+05**	**1.65**	0	0	0	**13.046**	**0.109**	**0.001**	**1.167**	**2.440**	**0.015**	**22.476**	**1.848**

Notes:
- Short-term and annual guidelines were developed using Air Guide 1 DAR-1 software, and are based on a 56ft stack height.
- Samples collected in Tedlar bags and analyzed using a modified EPA method 8260.
- ND denotes non-detect
- mg/m^3 is milligram per cubic meter of air at standard temperature (20 degC) and pressure (101.325 kPa).
- **Bold-faced** values are concentrations that have been reported above the detection limits.
- "*" denotes analytical parameters that cannot be reported by method TO-15
- "**" denotes vapor samples collected and anlyzed by method TO-15

Client/Project
GERMANOW-SIMON CORPORATION
PROGRESS REPORT NO.3 - INTERIM QUARTERLY MPVE OM&M, WARD STREET SITE, ROCHESTER, NEW YORK

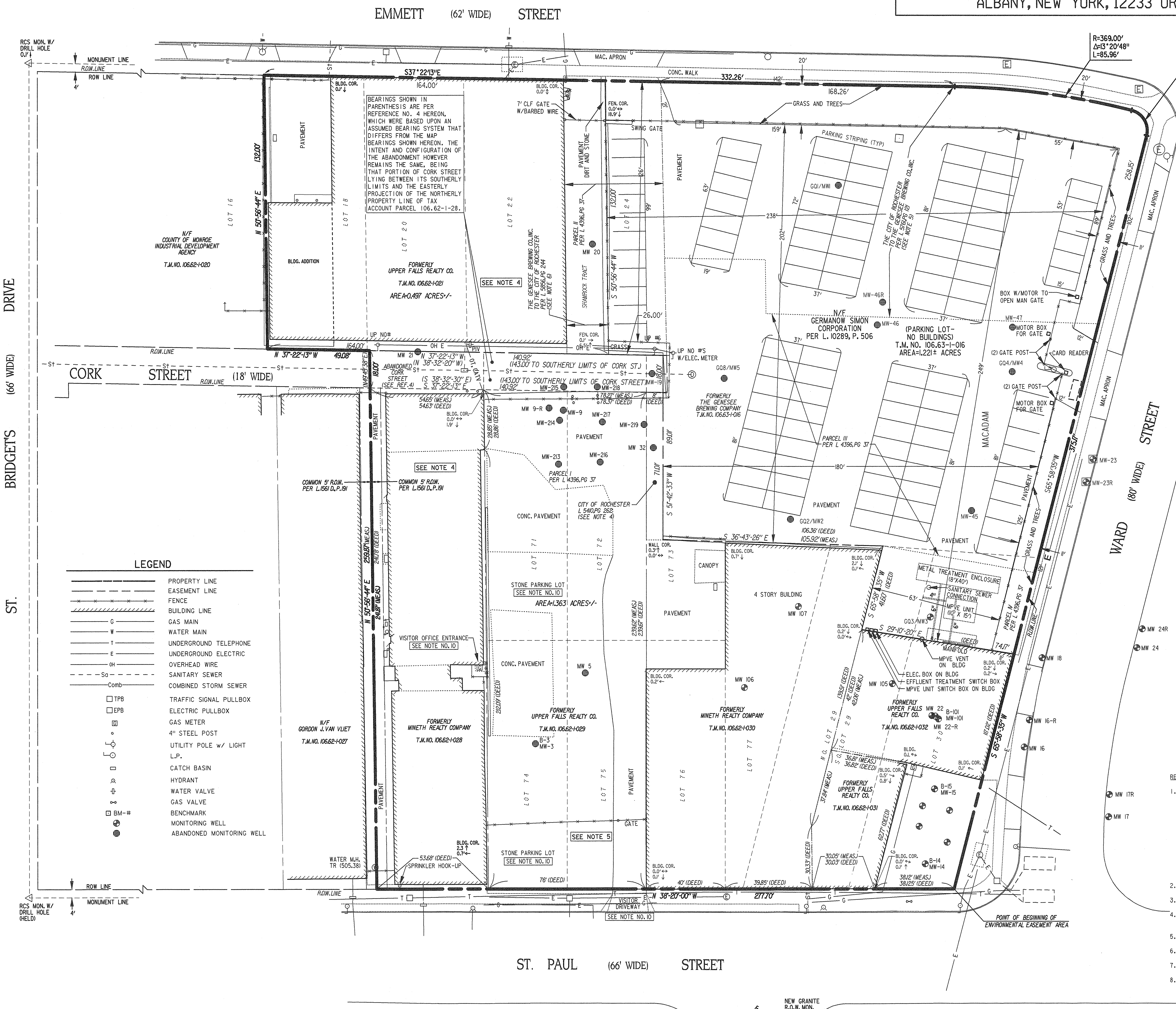
Table No.
3-2b

Title
Vapor Discharge Analytical Results

Appendix E

ENVIRONMENTAL EASEMENT DESCRIPTION
N.Y.S. BROWNFIELD CLEANUP PROGRAM
WARD ST. SITE, NO. C828117 & 8-28 WARD ST. SITE, NO. C828136

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



ENVIRONMENTAL EASEMENT AREA:

LANDS COMPRISING N.Y.S. BROWNFIELD CLEANUP PROGRAM WARD STREET SITE NO. C828117 & 8-28 WARD STREET SITE NO. C828136.

DESCRIPTION OF LANDS DESIGNATED AS TAX MAP PARCELS: 106.62-1-028, BEING 408 ST. PAUL STREET; 106.62-1-029, BEING 398-402 ST. PAUL STREET; 106.62-1-030, BEING 388-392 ST. PAUL STREET; 106.62-1-031, BEING 384 ST. PAUL STREET; 106.62-1-032 BEING 376-378 ST. PAUL STREET; 106.62-1-021 BEING 19-23 EMMETT STREET; 106.63-1-016 BEING 8-28 WARD STREET, AND 106.62-1-057 BEING 25 CORK STREET.

All that tract or parcel of land containing 3.081 acres, more or less, situate in the City of Rochester, County of Monroe, State of New York, all as shown on a map entitled "Germanow-Simon, ALTA/ACSM Land Title Survey" prepared by Stantec Consulting Services, Inc., dated November 9, 2011, having Drawing No. 190500014 V-3 and being more particularly bounded and described as follows:

Beginning at a point on the southeasterly right-of-way line of St. Paul Street (66 feet wide), said point being at the intersection with the northeasterly right-of-way line of Ward Street (80' wide); thence

1. N 38°20'00" W, along said southeasterly right-of-way line, a distance of 277.70 feet to a point of intersection with the common line dividing lands now or formerly of Gordon J. Van Vliet (Tax Map No. 106.62-1-027) to the northwest and lands formerly of Mineth Realty Company (Tax 106.62-1-028) to the southeast; thence
2. N 50°56'44" E, along said common line, a distance of 241.87 feet to a point of intersection with the northwesterly right-of-way line of Cork Street (18 feet wide); thence
3. N 50°56'44" E, along the southeasterly end of remaining Cork Street, the southeasterly portion of which was abandoned per City of Rochester Ordinance No. 2011-275, a distance of 18.00 feet; thence
4. N 37°22'13" W, along the remaining existing right-of-way line of Cork Street, a distance of 49.08 feet to a point of intersection with the common line dividing lands of the County of Monroe Industrial Development Agency (Tax Map No. 106.62-1-020) on the northwest and the former lands of Upper Falls Realty Co. (Tax Map No. 106.62-1-021) on the southeast; thence
5. N 50°56'44" E, along said common line, a distance of 132.00 feet to a point on the northwesterly right-of-way line of Emmett Street (62 feet wide), thence
6. S 37°22'13" E, along the said northwesterly right-of-way line of Emmett Street, a distance of 332.26 feet to a point of curvature; thence
7. Southeasterly, continuing along the said northwesterly right-of-way line of Emmett Street, along a curve to the right, having a radius of 369.00 feet, through a central angle of 13°20'48", a distance of 85.96 feet to a point of compound curvature; thence
8. Southeasterly, continuing along the said northwesterly right-of-way line of Emmett Street, along a curve to the right, having a radius of 10.00 feet, through a central angle of 90°00'00", a distance of 15.71 feet to a point of tangency on the aforementioned northeasterly right-of-way line of Ward Street; thence
9. S 65°58'35" W, along the said northeasterly right-of-way line, a distance of 375.17 feet to the Point of Beginning.

NOTES:

1. THE HORIZONTAL DATUM SHOWN HEREON IS TIED TO THE CITY OF ROCHESTER SURVEY DATUM.
2. THE VERTICAL DATUM SHOWN HEREON IS REFERENCED TO RTS MONUMENT LOCATED ON THE WESTERLY SIDE OF ST. PAUL STREET AT THE EXTENSION OF THE SOUTHERLY R.O.W. OF GORHAM STREET, ELEVATION = 499.93'.
3. UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM FIELD LOCATIONS AND/OR UTILITY COMPANY RECORD PLANS. GAS AND ELECTRIC UTILITY PLANS WERE NOT AVAILABLE AT THE TIME OF MAPPING. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOULD BE STAKED BY THE RESPECTIVE UTILITY COMPANY PRIOR TO ANY CONSTRUCTION.
4. PROPERTIES IDENTIFIED WITH TAX MAP NO. 106.62-1-021 AND NO. 106.62-1-028 ARE SUBJECT TO AN EASEMENT TO ROCHESTER GAS AND ELECTRIC CORPORATION TO ERECT AND MAINTAIN A 2" STEAM LINE PER LIBER 1439 OF DEEDS AT PAGE 25.
5. PROPERTY IDENTIFIED WITH TAX MAP NO. 106.62-1-029 SUBJECT TO ACCESS RIGHTS OF GERMANOW-SIMON MACHINE COMPANY INC. TO USE LOADING DOCK (NO LIBER AVAILABLE.)
6. THE GENESEE BREWING CO., INC. TO THE CITY OF ROCHESTER PER LIBER 5410, PG 262 CONVEYANCE IS MADE AND ACCEPTED SUBJECT TO ALL EASEMENTS, COVENANTS AND RESTRICTIONS OF RECORD, AND TO RIGHTS OF GERMANON-SIMON MACHINE, INC., IF ANY, TO USE A PORTION OF THIS PARCEL FOR ACCESS TO GRANTOR'S LOADING DOCK ON LOTS 76 AND 77, TOGETHER WITH ALL ITS RIGHT, TITLE AND INTEREST IN AND TO ANY STREETS OR ALLEYS ADJOINING OR ABUTTING THEREON.
7. CONVEYANCE PER ORDINANCE NO. 79-269 ADOPTED BY THE COUNCIL OF THE CITY OF ROCHESTER ON JUNE 12, 1979. SEE COVENANTS AND CONDITIONS THEREIN.
8. CONVEYANCE PER ORDINANCE NO. 80-156 APPROVED BY THE COUNCIL OF THE CITY OF ROCHESTER ON JULY 2, 1980.
9. SURFACE AREAS:
   CALCULATED AREA OF PAVED SURFACES ------------------------ 127,089±SQ.FT. (2.918±AC.)
   CALCULATED AREA OF VEGETATIVE COVERS AND GRASSED AREAS--- 7,098± SQ.FT. (0.163± AC.)
   TOTAL SITE (ENVIRONMENTAL EASEMENT) AREA----------------- 134,187±SQ.FT. (3.081±AC.)
10. ENVIRONMENTAL EASEMENT'S GRANT OF ACCESS TO GRANTEE AND ITS AGENTS, EMPLOYEES AND REPRESENTATIVES MAY BE OBTAINED VIA THE DESIGNATED STONE PARKING LOT, WHICH IS ACCESSIBLE FROM ST. PAUL STREET, AND THE VISITORS OFFICE ENTRANCE.

REFERENCES:

1. THE FOLLOWING TITLE ABSTRACTS WERE USED TO HELP ESTABLISH THE BOUNDARY:
   1) MONROE TITLE INSURANCE CORPORATION TITLE ABSTRACT NO. 71750A, DATED MARCH 9, 1998.
   2) ABSTRACT TITLE & MORTGAGE CORPORATION TITLE ABSTRACT NO. 5409A, LAST DATED OCTOBER 1, 1936.
   3) MONROE ABSTRACT & TITLE CORPORATION TITLE ABSTRACT NO. 48836, DATED AUGUST 23, 1966.
   4) MONROE ABSTRACT & TITLE CORPORATION TITLE ABSTRACT NO. 68654, LAST DATED MAY 22, 1967.
   5) ROCHESTER TITLE INSURANCE COMPANY TITLE ABSTRACT NO. 473, LAST DATED DECEMBER 18, 1930.
   6) MONROE ABSTRACT & TITLE CORPORATION TITLE ABSTRACT NO. 77615-1, DATED OCTOBER 28, 1965.
   7) MONROE ABSTRACT & TITLE CORPORATION TITLE ABSTRACT NO. 63007, LAST DATED DECEMBER 22, 1967.
   8) MONROE ABSTRACT & TITLE CORPORATION TITLE ABSTRACT NO. 62107, LAST DATED NOVEMBER 9, 1971.
   9) ABSTRACT TITLE & MORTGAGE CORPORATION TITLE ABSTRACT NO. 5560A, LAST DATED NOVEMBER 20, 1945.
   10) MONROE TITLE INSURANCE CORPORATION TITLE ABSTRACT NO. 128434, DATED JULY 3, 2008.
   11) CHICAGO TITLE INSURANCE COMPANY, TITLE INSURANCE COMMITMENT NO. 1216-40313, DATED MARCH 09, 2012
2. LIBER 9116 OF DEEDS AT PAGE 277.
3. LIBER 9116 OF DEEDS AT PAGE 284.
4. CITY OF ROCHESTER CERTIFIED ORDINANCE NO. 2011-275, APPROVED AUGUST 17, 2011, ABANDONMENT OF A PORTION OF CORK STREET. ABANDONED PER LIBER 11098 DEEDS, PAGE 83.
5. LIBER 10235 DEEDS; PAGE 666
6. LIBER 10235 DEEDS; PAGE 660
7. LIBER 10289 DEEDS; PAGE 506
8. LIBER 11098 DEEDS, PAGE 83

CERTIFICATION:

WE, STANTEC CONSULTING SERVICES INC., CERTIFY TO THE PEOPLE OF THE STATE OF NEW YORK ACTING THROUGH THEIR COMMISSIONER OF THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION; GERMANOW-SIMON CORPORATION (FEE); MONROE COUNTY INDUSTRIAL DEVELOPMENT AGENCY (LESSEE); CHICAGO TITLE INSURANCE COMPANY: THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 4, 7(A), 8, 9, 10, 11(A), 13, 14, AND 16 OF TABLE A THEREOF. FIELD WORK WAS COMPLETED ON AUGUST 23, 2011.

BY: Robert A. Vento DATE: 8/1/12

ROBERT A. VENTO, N.Y.S.P.L.S. NO. 49701

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.

LANDS DESIGNATED AS TAX MAP PARCELS: 106.62-1-028, BEING 408 ST. PAUL STREET; 106.62-1-029, BEING 398-402 ST. PAUL STREET; 106.62-1-030, BEING 388-392 ST. PAUL STREET; 106.62-1-031, BEING 384 ST. PAUL STREET; 106.62-1-032 BEING 376-378 ST. PAUL STREET; 106.62-1-021 BEING 19-23 EMMETT STREET; 106.63-1-016 BEING 8-28 WARD STREET, AND 106.62-1-057 BEING 25 CORK STREET.

Stantec
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PROJECT ENGINEER/ARCHITECT R. VENTO
PROJECT MANAGER M. STORONSKY
DRAWN BY M. GRASSO
SCALE 1" = 20'
FIRST ISSUE DATE 11/09/2011

REVISIONS

1	DESIGNATED MONITORING WELLS AS ABANDONED	12/9/11	MJG
0	ADDED REFERENCE BEARING TO ABANDONMENT PARCEL	12/9/11	MJG

PROJECT: GERMANOW-SIMON N.Y.S. BROWNFIELD CLEANUP PROGRAM WARD STREET SITE NO. C828117 & 8-28 WARD STREET SITE NO. C828136 COUNTY OF MONROE, STATE OF NEW YORK

TITLE OF DRAWING: ENVIRONMENTAL EASEMENT & A.L.T.A./A.C.S.M. LAND TITLE SURVEY

PROJECT NO. 190500014

DRAWING NO. V-3