FORMER SHELL SERVICE STATION
2040 WHITE PLAINS ROAD, BRONX, NEW YORK

SEMI-ANNUAL SITE MANAGEMENT REPORT

NYSDEC BCP Number: C203031

Submitted to:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
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1.0 INTRODUCTION

Environmental Business Consultants (EBC) has prepared the following Site Management Report for the first half of the year 2008 for the property located at 2040 White Plains Road, in Bronx, New York under the New York State (NYS) Brownfield Cleanup Program (BCP) administered by the New York State Department of Environmental Conservation (NYSDEC). The site was remediated in accordance with the Brownfield Cleanup Agreement (BCA) #C203031.

Metro Management I, LLC (Metro) entered into a BCA with the NYSDEC in May 9, 2005, to investigate and remediate a 29,200 square foot (approximately 0.6 acre) property located on 2040 White Plains Road, in Bronx, New York. A residential apartment complex, with first floor retail space (Staples, an office supply store), and a first floor parking garage was has been since constructed at the site. Additional details are documented in the BCP application, dated December 2004.

1.1 Site Location and Description

The site is located in a residential area in the Borough of the Bronx, New York and is identified as Block 4284, Lot 5 on the New York City Tax Map. The site is situated on an approximately 0.6 acre area bounded by Brady Avenue to the north, Bronxdale Avenue to the south, multi-family apartment buildings to the east, and White Plains Road to the west. The 0.6 acre property is fully described in **Appendix A** – Metes and Bounds.

2.0 SITE BACKGROUND

Prior to the purchase by Metro, the property had been in continual service as a gasoline service station for approximately 50 years. Previous environmental investigations identified petroleum impacted soil and groundwater beneath the site. Due to the historic use of the property and the confirmed presence of gasoline-related contaminants in soil, groundwater and soil gas, the site was formally accepted into the BCP on May 9, 2005.

The Remedial Action performed for the site in accordance with the scope of work presented in the NYSDEC-approved IRM Work Plan For Hotspot Reduction dated October 2005, the IRM Work Plan dated June 2005, and the Remedial Work Plan dated December 15, 2006, consisted of continual spot injections of a chemical oxidant solution in the vicinity of the former service station building footprint, and the installation of a vapor barrier and sub-slab venting system beneath the retail portion of the new mixed-use buildings' foundation as a preventative measure. Chemical oxidant injection was successful in reducing the VOCs remaining in the former high concentration areas, and thereby accelerated the restoration of impacted groundwater through natural attenuation processes. A vapor barrier and sub-slab venting system for the retail portion of the building was designed as a preventative measure to prevent the potential infiltration of VOCs through the building's concrete slab foundation.

The vapor barrier consists of 30 mil high density polyethylene (HDPE) sheeting and extends throughout the area occupied by the commercial section of the building. The vapor barrier was installed beneath the base of the foundation of the entire building, with the exception of the parking garage which is continuously vented to the outside through large open areas in the east, west and south walls.

The sub-slab depressurization system consists of four separate rings of 4-inch HDPE corrugated smooth interior pipe in a geotextile fabric installed beneath the vapor barrier in the retail section of the building. Vacuum is applied to each of the subsurface rings by utilizing ventilation fans. Each fan is located on the roof of the retail store to discharge subsurface soil vapors to the exterior.

A Site Management Plan (SMP) was prepared and submitted to the NYSDEC by P.W. Grosser Consulting, Inc., in December of 2007, to detail the recommended operation and maintenance and sampling activities to be conducted at the site to ensure that the sub-slab depressurization system and vapor barrier continue to operate as intended. The SMP states the sub-slab depressurization system will continue to be operated as a preventative measure for a period of five years. It also outlines the requirements for this Site Management Report, which must be submitted on a semi-annual basis.

3.0 SEMI-ANNUAL SITE MONITORING

3.1 Monitoring Well Installation

The pre-existing monitoring well remaining at the site (TW02), located in the garage area, was checked on three occasions and found to be dry. This well was originally installed to a depth of approximately 15 feet below grade, which was approximately 5 feet below the water table at the time (1/06). Since this time the groundwater level within the boundaries of the site have declined significantly in response to the new buildings construction. Groundwater flow across the site and from on-site to off-site has likely been limited by the foundation walls which extend below the water table to the bedrock surface, with the exception of an 80 foot section in the southeast corner of the site. In addition, the construction of the new building eliminated any surface recharge which may have also contributed to a higher groundwater table. Monitoring wells previously located within the alleyway on the adjacent property to the east, were also found to be dry following building construction. These wells were subsequently abandoned by the adjacent property owner when new concrete tiles were poured in the alleyway.

In accordance with the Site Management Plan, EBC proposed the installation of three new monitoring wells (MW08-1 through MW08-3) in a letter to DEC dated May 1, 2009. Two of the wells, MW08-2 and MW08-3 were installed on June 5 and June 6 by Universal Testing and Inspection services using an air rotary drilling rig. Since the location of the third well, MW08-1, was inaccessible to Universal due to the limited ceiling height (13 ft), this well was installed on August 4th 2007 by LVS Drilling using a rotary drill machine using the rock coring method.

All three wells installed to a depth of 20 feet below grade in accordance with the approved Site Management Plan (PWGC 12/07). MW08-2 and MW08-3 were constructed of 2 inch diameter, schedule 40 PVC casing and 0.010 inch slot PVC well screen. The wells were installed in a 4 inch borehole.

MW08-1 was installed in a 2-inch borehole and constructed of 1 inch schedule 40 PVC casing and 0.010 inch slot PVC well screen. Each monitoring consisted of 10 feet of screen, set 5 feet below the static water table, with 10 feet of casing (riser) material to bring the well to grade. A gravel pack of No. 1 Morie sand was placed in the annulus around the screen, and up to no more than 5 feet above the top of the screen. A 2-foot layer of bentonite seal was then installed above the gravel pack. Above the bentonite layer, the annulus around the well was filled with a cement/bentonite grout to four feet below grade. Each monitoring well was then finished slightly below grade and set with a protective "bolt-down" manhole and a water tight cap fitted within the riser. Monitoring well construction logs are attached as **Appendix B**.

3.2 Groundwater Sampling

Groundwater quality was monitored by sampling the three new on-site monitoring wells (MW08-1, MW08-2 and MW08-3). Prior to sampling, the depth to bottom and depth to water measurements were collected utilizing a decontaminated electronic water level probe. This data was then used to calculate the volume of water to be removed from each monitoring well. A total of approximately 3-5 well

casing volumes were bailed from each monitoring well. Groundwater samples were then collected with a dedicated high-density polyethylene disposable bailers and polypropylene string.

All samples were retained in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis to Chemtech Laboratories (ELAP Certification #11376) of 284 Sheffield Street, in Mountainside, New Jersey for laboratory analysis of STARS list volatile organic compounds (VOCs) via EPA method 8260.

As noted previously the off-site wells (which had all been dry) were abandoned by the adjacent property owner to the east during the installation of new concrete tiles in the alleyway. The three on-site monitoring wells were installed to replace both the on-site and off-site wells.

3.2.1 Groundwater Sample Results

Groundwater sample results were compared to the water quality standards specified in NYSDEC Groundwater Water Quality Standards and Guidance Values (June 1998 and Addendum of April 2000). Analytical data for the groundwater samples are summarized in **Table 1,** and a copy of each of the laboratory analytical reports is included in **Appendix C.** The BTEX and total VOC concentrations are shown on **Figure 2** for visual comparison.

VOCs
Neither MTBE nor any of the BTEX compounds were detected in the groundwater sample collected from MW08-1, which is located in an area that was formerly identified as being the most upgradient area of the southern portion of the lot. However, cis-1,2-Dichloroethene (7.4 µg/L), Tetrachloroethene (47 µg/L), and Trichloroethene (5.2 µg/L) were detected at concentrations above their corresponding NYSDEC Ambient Water Quality Standards (AWQS).

Chlorinated VOCs including tetrachloroethene (PCE) and its degradants were also detected in "downgradient" wells MW08-2 and MW08-3 above standards. Ethylbenzene at 8.3 ug/L was the only other VOC detected in MW08-2 above water quality standards. In addition to chlorinated VOCs, benzene (6.4 ug/L), ethylbenzene (71 ug/L), isopropylbenzene (41 ug/L) xylenes (44 ug/L) and MTBE (27 ug/L) were reported above standards in MW08-3.

3.3 Sub-Slab Soil Gas Sampling

In accordance with the Site Management Plan, sub-slab soil gas samples were collected from each of the four existing sub-slab sample ports (SG1-SG4) located within the Staples store on June 27th, 2008 (see **Figure 3**). The soil vapor sampling was conducted in accordance with NYSDOH protocol for sub-slab vapor sampling. Prior to sampling, the surface seal at each vapor point was removed and re-sealed with a new, hydrated bentonite plug. The seal was then tested in accordance with, NYSDOH procedures, by introducing a helium atmosphere around the probe while monitoring soil gas drawn from the probe with a helium detector. All seals were verified in this manner before sampling was initiated.

Sampling was then performed by attaching a 2-liter Summa canister to the probe, opening the valve and allowing the canister to draw in soil gas over a 2-hour sampling period.

Each of the summa-canisters was submitted to York Analytical Laboratories, Inc. (ELAP Certification No. 10854) of 120 Research Drive in Stamford, Connecticut for laboratory analysis of VOCs by EPA method TO15.

According to the laboratory, sample SG3, did not have a large enough soil vapor volume contained within the canister for analysis. Repair/resetting of sub-slab sample port SG3 will likely be required prior to the next sub-slab soil vapor sampling event.

3.3.1 Soil Vapor Sample Results

A copy of the York Analytical Laboratories, Inc. laboratory report is included in **Appendix C**. The results are summarized in **Table 2** and presented on **Figure 3**.

The analytical results of the soil vapor samples indicate the total VOC concentrations for SG1 (1,371 µg/m^3), SG2 (960 µg/m^3), and SG4 (1,054 µg/m^3) have declined from the VOC concentrations detected in the soil vapor samples collected in August of 2005, which ranged from 1,354 µg/m^3 to 3,439 µg/m^3 (Remedial Investigation Report, PWGC 2005).

The total BTEX concentrations detected in SG1 (745 µg/m^3), SG2 (519 µg/m^3), and SG4 (515 µg/m^3) indicate that only relatively low BTEX concentrations are present. These initial values will be compared against future soil vapor samples collected from the soil vapor points. It is important to note that both the highest total VOC concentrations and the highest BTEX concentrations were reported in sample SG1 which is located the farthest away from the source area.

4.0 ENGINEERING CONTROLS

4.1 Semi-annual Inspection

4.1.1 Vapor barrier

A vapor barrier was installed as a preventative measure and extends throughout the area occupied by the commercial section of the building constructed at the site. The vapor barrier consists of a 30-mil thick sheet of black high-density polyethylene (HDPE). The concrete pad installed above the vapor barrier was inspected for evidence of cracking. No cracks were noted and consequently it can be inferred that no repairs or damage had been performed against the sub-slab vapor barrier (30 mil high density polyethylene sheeting). A copy of the Semi-Annual Checklist is attached as **Appendix D**.

4.1.2 Sub-Slab Vapor Depressurization System

The sub-slab vapor depressurization system is currently self operating on a 24/7 basis. The sub-slab depressurization system consists of four separate rings of 4-inch HDPE corrugated smooth interior pipe in a geotextile fabric. The two northern piping loops are connected and exhaust piping to the roof was completed with an Infiltec, high-flow, in-line fan model HS3000. The two southern piping loops have independent exhaust piping to the roof completed with an Infiltec Radonway, high-flow, in-line fan model RP265.

4.1.3 Performance Summary

The vacuum alarm connected to the two northern piping loops was recently triggered due to a lack of vacuum. A trouble-shooting inspection of the system was performed by a representative of EBC in August of 2008. The Infiltec HS3000 fan was operating properly. A high flow exhaust from the fan discharge pipe was noted on the roof. However, the vacuum gauge and alarm connected to the roof exhaust piping indicated little or no vacuum was being created by the fan. EBC used pressurized air to blow out each of the lines connecting the vacuum gauge and alarm to the exhaust piping, however no clog was noted within the lines. The ventilation fan was inspected, and no air leaks or mechanical problems were noted. It is suspected that the exhaust piping somewhere between the vacuum gauge point and the fan is clogged. A video camera snake will be utilized in the near future to visually inspect the line to determine if there is an obstruction in the line. If necessary, the fan will be upgraded to create a larger vacuum. After this work is completed, the system will be re-inspected and certified. The results of the inspection will be forwarded to DEC upon completion.

A copy of the Semi-Annual Checklist is attached as **Appendix D**.

5.0 INSTITUTIONAL CONTROLS

5.1 Semi-annual Verification

A series of Institutional Controls (ICs), required under the Site Management Plan, were placed on the property in the form of an Environmental Easement which was recorded with the NYC Department of Finance, Office of the City Register (NYSDOF-OCR). The recorded ICs are as follows:

(1) implement, maintain and monitor Engineering Control systems;
(2) prevent future exposure to residual contamination by controlling disturbances of the subsurface contamination; and,
(3) restrict the use of the Site to current uses.

Adherence to these Institutional Controls on the Site(Controlled Property) is required under the Environmental Easement and will be implemented under the Site Management Plan. These Institutional Controls are:

- Compliance with the Environmental Easement by the Grantor and the Grantor's successors and assigns with all elements of the SMP;
- A soil vapor mitigation system on-site consisting of a sub-slab depressurization system must be inspected, certified, operated and maintained as required in this SMP;
- Groundwater and soil vapor monitoring must be performed as defined in this SMP; and
- Engineering Controls may not be discontinued without an amendment or the extinguishment of the Environmental Easement. Institutional Controls in the form of Site restrictions are required by the Environmental Easement which is being prepared for this Site.

Site restrictions include:

- The use of the groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for intended purpose;
- Grantor agrees to submit to NYSDEC a written statement that certifies, under penalty of perjury, that:

  (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and,

  (2) nothing has occurred that impair the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at anytime in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow. This time period statement must be certified by an expert that the NYSDEC finds acceptable.

An inquiry was made with the NYCDOF-OCR to confirm that the Environmental Easement, as described above, remains in place and has not been changed, revised or modified.

6.0 EC / IC CERTIFICATION

I, Ariel Czemerinski, am currently a registered professional engineer licensed by the State of New York. I have inspected the Engineering Controls for the Former Shell Service Station Site (NYSDEC Site No. C203031

I certify that the Engineering Controls, consisting of a sub-slab depressurization system and a vapor barrier remain in-place and that with the exceptions noted in Section 4.1.3 of this Report, the systems are performing as designed, and nothing has occurred which would impair the ability of the controls to protect the public health and the environment, or that would constitute a violation or failure to comply with any operation and maintenance of such controls.

I certify that access is available to the NYSDEC and the NYSDOH to evaluate continued maintenance of the Engineering Controls.

I certify that the Institutional Controls in the form of an environmental easement recorded with the NYC Department of Finance, Office of the City Register, remains in place, is unchanged from the previous certification and that the current site usage is in compliance with the environmental easement.

NYS Professional Engineer #	Date	Signature

7.0 SITE EVALUATION

Overall, the results of groundwater and sub-slab soil gas sampling obtained during this semi-annual monitoring event confirm that the remedial actions performed at the site have been effective in remediating soil and groundwater and in eliminating or reducing the concentration of volatile organic compounds (VOCs) in all media.

The highest concentration of VOCs in groundwater were reported in monitoring well MW08-3 with a total VOC concentration of 240 ug/L Although this well has not been previously sampled, VOC concentrations reported in this area of the site in August 2005, prior to remedial activity, totaled 144,000 ug/L.

Chlorinated VOCs, (CVOCs) which have not been previously associated with the site, were reported in all three monitoring wells. The highest concentrations were in MW08-2 (180 ug/L) which is north of MW08-3 and MW08-1 (59 ug/L) which is an historical upgradient position with respect to groundwater flow at the site. This suggests that CVOCs may be coming onto the site from an off-site source such as the combined sewer system located along White Plains Road. Such systems receive wastewater from a variety of commercial businesses and have been known to leak effluent into the groundwater water system.

While BTEX and other VOCs were detected in all 3 sub-slab soil gas sampling locations, the highest concentrations for both total VOCs and BTEX compounds was reported in SG1 which is located the furthers away from the identified source area at the site. The type and distribution of VOCs in soil gas reported during this sampling event and during the Remedial Investigation suggest that VOCs in soil gas may be related to general background conditions in the area.

Based on the results of the sampling data and site inspection performed during the July 08 semi-annual monitoring event at the site, EBC is making the following recommendations:

- Complete the evaluation of the middle sub-slab depressurization system and make repairs as needed.
- Submit a system certification letter to the NYSDEC upon completion of such repairs.
- Survey the casing elevation of the new monitoring wells and prepare a groundwater contour map to evaluate groundwater flow at the site post-building construction.
- Develop a sampling plan to complete a soil gas survey in the immediate vicinity of the building to establish background VOC concentrations in the area.

TABLES

TABLE 1
2040 White Plains Road, Bronx, New York
Groundwater Analytical Results
Volatile Organic Compounds

COMPOUNDS ANALYZED BY CHEMTECH	NYSDEC Groundwater Quality Standards (GQS)	MW08-1 MW1	MW08-2 MW2(New)N	MW08-3 MW1(New)S
	(µg/L)	8/6/2008	7/17/2008	7/17/2008
1,1,1-Trichloroethane	5	0.39 U	0.39 U	0.39 U
1,1,2,2-Tetrachloroethane	5	0.37 U	0.37 U	0.37 U
1,1,2-Trichloroethane	1	0.32 U	0.32 U	0.32 U
1,1,2-Trichlorotrifluoroethane		0.61 U	0.61 U	0.61 U
1,1-Dichloroethane	5	0.67 U	0.67 U	0.67 U
1,1-Dichloroethene	5	0.67 U	0.67 U	0.67 U
1,2,4-Trichlorobenzene	5	0.39 U	0.39 U	0.39 U
1,2-Dibromo-3-Chloropropane	0.04	0.58 U	0.58 U	0.58 U
1,2-Dibromoethane		0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	3	0.4 U	0.4 U	0.4 U
1,2-Dichloroethane	0.6	0.41 U	0.41 U	0.41 U
1,2-Dichloropropane	1	0.46 U	0.46 U	0.46 U
1,3-Dichlorobenzene	3	0.28 U	0.28 U	0.28 U
1,4-Dichlorobenzene	3	0.22 U	0.22 U	0.22 U
2-Butanone		1.9 U	1.9 U	1.9 U
2-Hexanone		1.8 U	1.8 U	1.8 U
4-Methyl-2-Pentanone		1.8 U	1.8 U	1.8 U
Acetone		2.2 U	2.2 U	2.2 U
Benzene	1	0.35 U	0.35 U	**6.4**
Bromodichloromethane	5	0.23 U	0.23 U	0.23 U
Bromoform		0.44 U	0.44 U	0.44 U
Bromomethane	5	1.4 U	1.4 U	1.4 U
Carbon Disulfide	60[a]	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	5	0.27 U	0.27 U	0.27 U
Chlorobenzene	5	0.28 U	0.28 U	0.28 U
Chloroethane	5	0.8 U	0.8 U	**7.6**
Chloroform	7	2.7 J	0.45 U	0.45 U
Chloromethane		0.37 U	0.37 U	0.37 U
cis-1,2-Dichloroethene	5	**7.4**	**6.2**	**3.9 J**
cis-1,3-Dichloropropene		0.29 U	0.29 U	0.29 U
Cyclohexane		0.57 U	0.57 U	13
Dibromochloromethane		0.23 U	0.23 U	0.23 U
Dichlorodifluoromethane	5	0.88 U	0.88 U	0.88 U
Ethyl Benzene	5	0.05 U	**8.3**	**71**
Isopropylbenzene	5	0.37 U	2.5 J	**41**
m/p-Xylenes	5	0.47 U	0.47 U	**44**
Methyl Acetate		0.45 U	0.45 U	0.45 U
Methyl tert-butyl Ether	10	4.1 J	0.23 U	**27**
Methylcyclohexane		0.47 U	0.47 U	0.47 U
Methylene Chloride	5	0.38 U	0.38 U	0.38 U
o-Xylene	5	0.16 U	0.16 U	0.16 U
Styrene	5	0.19 U	0.19 U	0.19 U
t-1,3-Dichloropropene		0.31 U	0.31 U	0.31 U
Tetrachloroethene	5	**47**	**140**	**25**
Toluene	5	0.16 U	0.16 U	0.16 U
trans-1,2-Dichloroethene	5	0.44 U	0.44 U	0.44 U
Trichloroethene	5	**5.2**	**34**	**15**
Trichlorofluoromethane	5	0.53 U	0.53 U	0.53 U
Vinyl Chloride	2	0.3 U	0.3 U	0.3 U
		59.6 ##	180.2 ####	43.9 241

Qualifiers

U - The compound was not detected at the indicated concentration.

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

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

NR - Not analyzed

[a] Express Terms for Amendments to 6 NYCRR Parts 700-704

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 2
2040 White Plains Road, Bronx, New York
Soil Gas Volatile Organic Compounds

Subsurface Soil-Gas Samples - Collected June 27, 2008

COMPOUNDS ANALYZED BY CHEMTECH	EPA Shallow Soil Gas Concentrations	NYSDOH Soil Outdoor Background Levels	SG-1	SG-2	SG-4
	(ug/m^3) [b]	(ug/m^3) [a]	(ug/m^3)	(ug/m^3)	(ug/m^3)
1,1,1-Trichloroethane	22,000	<2.0 - 2.8	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.42	<1.5	ND	ND	ND
1,1,2-Trichloroethane	1.5	<1.0	ND	ND	ND
1,1-Dichloroethane	5,000	<1.0	ND	ND	ND
1,1-Dichloroethene	2,000	<1.0	ND	ND	ND
1,2,4-Trimethylbenzene	60	<1.0	24.5	24.5	16.5
1,2-Dibromoethane	0.11	<1.5	ND	ND	ND
1,2-Dichlorobenzene	2,000	<2.0	ND	ND	ND
1,2-Dichloroethane	0.94	<1.0	ND	ND	ND
1,2-Dichloropropane	40	<1.0	ND	ND	ND
1,2-Dichlorotetrafluoroethane	NA	NA	ND	ND	ND
1,3,5-Trimethylbenzene	60	<1.0	25	22	18
1,3-Butadiene	0.087	NA	ND	ND	ND
1,3-Dichlorobenzene	1,100	<2.0	ND	ND	ND
1,4-Dichlorobenzene	8,000	NA	ND	ND	ND
2,2,4-Trimethylpentane	NA	NA	ND	16.6	ND
4-Ethyltoluene	NA	NA	32.5	29	23.5
Acetone	3,500	NA	128	176	266
Allyl Chloride	NA		ND	ND	ND
Benzene	3.1	<1.6 - 4.7	9.75	8.77	ND
Benzyl Chloride	0.5	NA	ND	ND	ND
Bromodichloromethane	1.4	<5.0	ND	ND	ND
Bromoform	22	<1.0	ND	ND	ND
Bromomethane	NA	<1.0	ND	ND	ND
Carbon Disulfide	7,000	NA	22.5	21.5	ND
Carbon Tetrachloride	1.6	<3.1	ND	ND	ND
Chlorobenzene	600	<2.0	ND	ND	ND
Chloroethane	100,000	NA	ND	ND	ND
Chloroform	1.1	<2.4	119	ND	59.6
Chloromethane	NA	<1.0 - 1.4	ND	7.14	ND
cis-1,2-Dichloroethene	NA	<1.0	ND	ND	ND
cis-1,3-Dichloropropene	NA	NA	ND	ND	ND
Cyclohexane	NA	NA	38.5	ND	ND
Dibromochloromethane	NA	<5.0	ND	ND	ND
Dichorodifluromethane	NA	NA	ND	ND	ND
Ethyl Acetate	32,000	NA	ND	ND	ND
Ethylbenzene	22	<4.3	28.7	ND	23.9
Freon-113	NA	NA	ND	ND	ND
Hexachloro-1,3-butadiene	NA	NA	ND	ND	ND
Isopropanol	NA	NA	ND	ND	ND
Methyl Butyl Ketone	NA	NA	ND	ND	ND
Methyl Ethyl Ketone	10,000	NA	45	36	72
Methyl Isobutyl Ketone	800	NA	91.7	ND	ND
Methylene Chloride	NA	<3.4	ND	ND	ND
MTBE	30,000	NA	ND	ND	ND
n-Heptane	NA	NA	99.8	70.7	83.2
n-Hexane	NA	<1.5	ND	10	ND
Propylene	NA	NA	ND	ND	ND
Styrene	10,000	<1.0	ND	27.4	ND
tert-Butyl Alcohol	NA	NA	ND	ND	ND
Tetrachloroethylene	8.1		ND	ND	ND
Tetrahydrofuran	NA	NA	ND	ND	ND
Toluene	4,000	1.0 - 6.1	575	460	460
trans-1,2-Dichloroethene	NA	NA	ND	ND	ND
trans-1,3-Dichloropropene	6	NA	ND	ND	ND
Trichloroethylene	0.22	<1.7	ND	ND	ND
Trichlorofluoromethane	7,000	NA	ND	ND	ND
Vinyl Chloride	3	<1.0	ND	ND	ND
Xylene (m&p)	7,000	<4.3	102	25	8.83
Xylene (o)	7,000	<4.3	29.2	25.2	22.1
Xylene (total)	NA	NA	ND	ND	ND
Vinyl Acetate	2,000	NA	ND	ND	ND
			ND	ND	ND
Total BTEX	NA	NA	745	519	515
Total VOCs	NA	NA	1,371	960	1,054

Notes:
SG3 Suma cannister failed to draw a sample
NA No guidance value or standard available
(a) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of
(b) USEPA Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance), Table 2c, Risk=1 $x10^{-6}$
Bold text indicates analyte detected above laboratory method detection limit
Shaded text indictes concentration exceeds EPA Deep Soil-Gas guidance value
< Indicates that analyte was undetected by laboratory.
D Concentration identified from analysis of sample at a secondary dilution

FIGURES

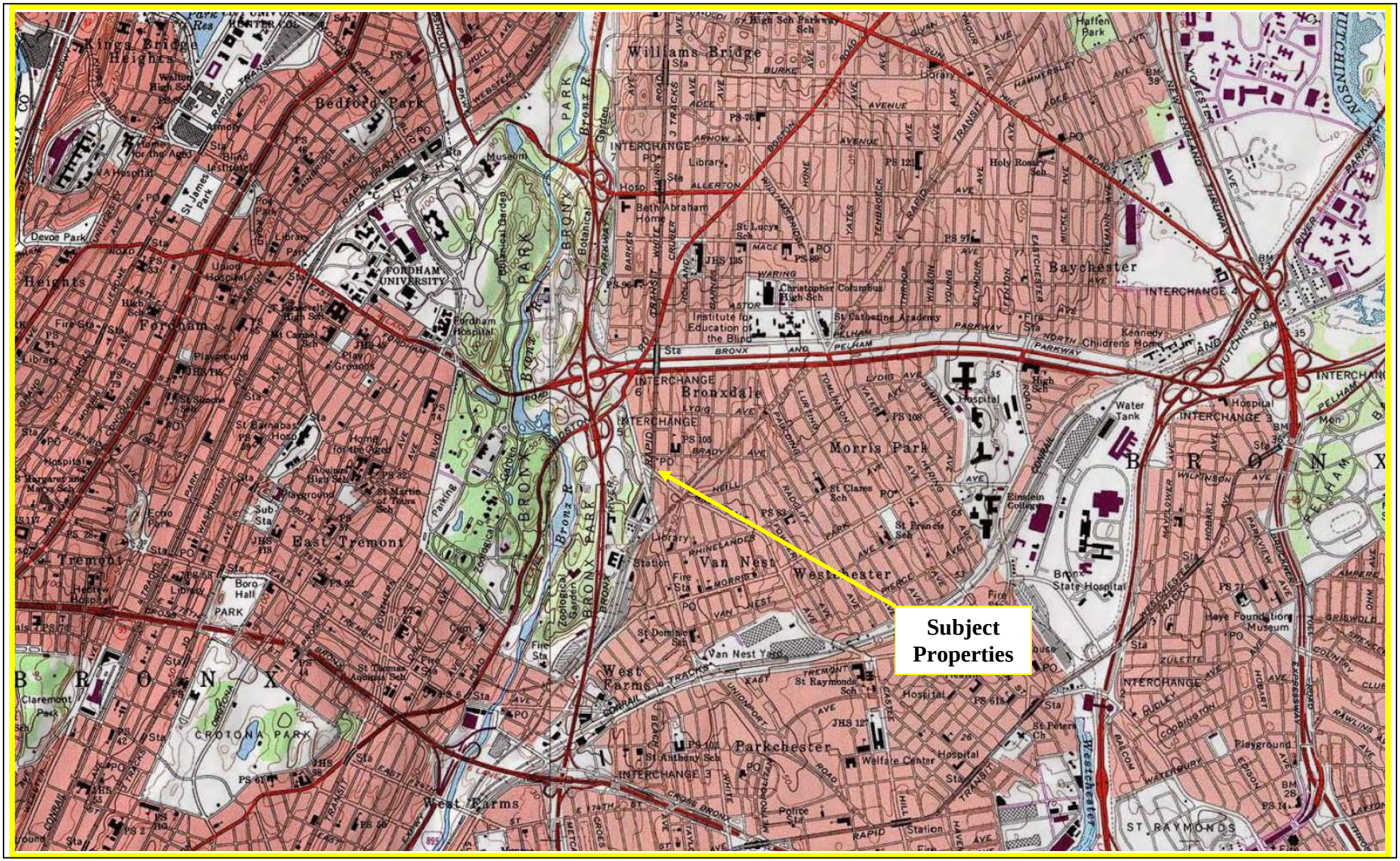


FIGURE 1 – SITE LOCATION

2040 WHITE PLAINS ROAD, BRONX, NY

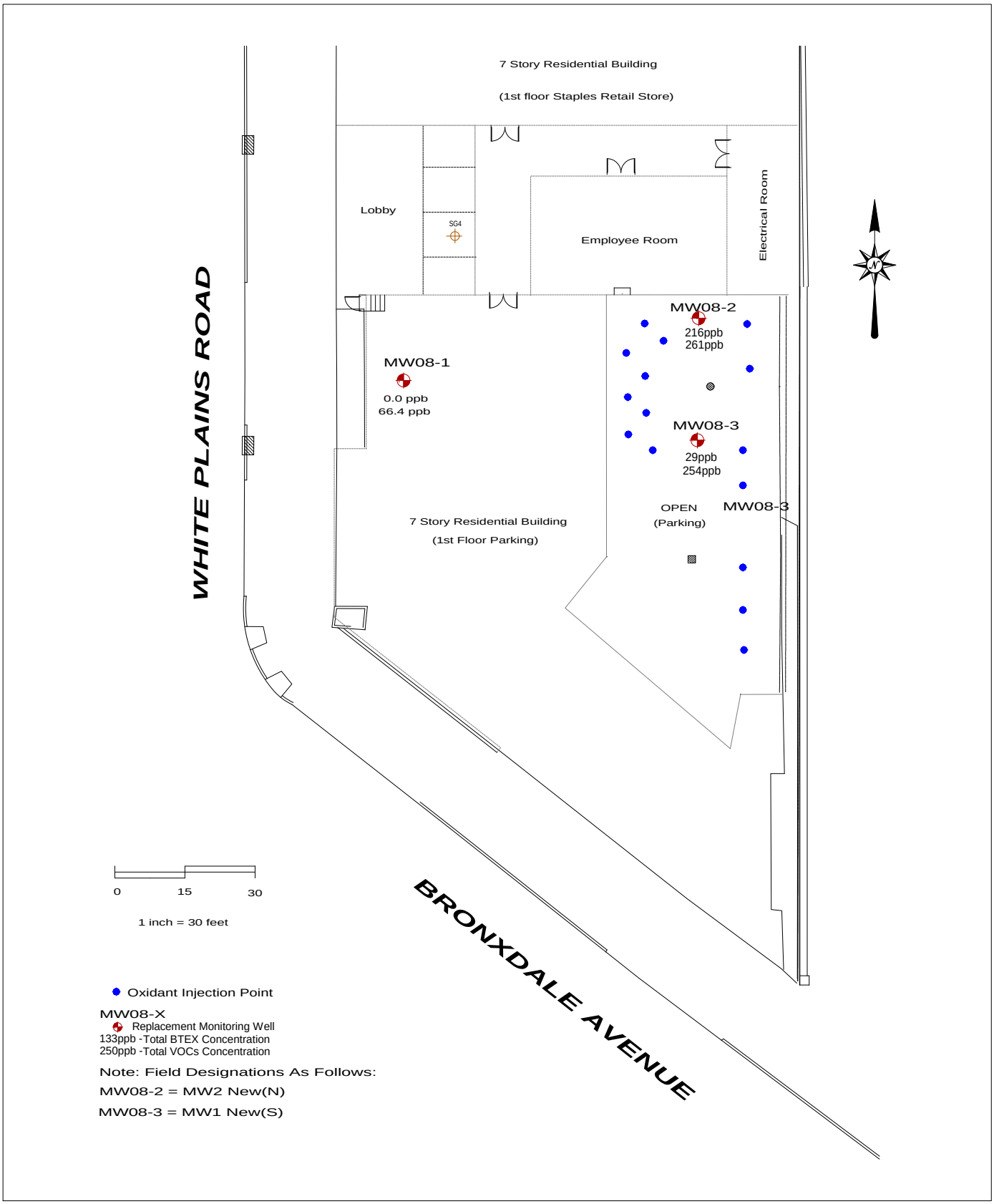
SITE MANAGEMENT REPORT 1H08 (BLOCK 4284 LOTS 5)

EBC

ENVIRONMENTAL BUSINESSS CONSULTANTS

1808 Middle Country Road, Ridge, New York 11961

Phone: (631) 504-6000 Fax: (631) 924-2870

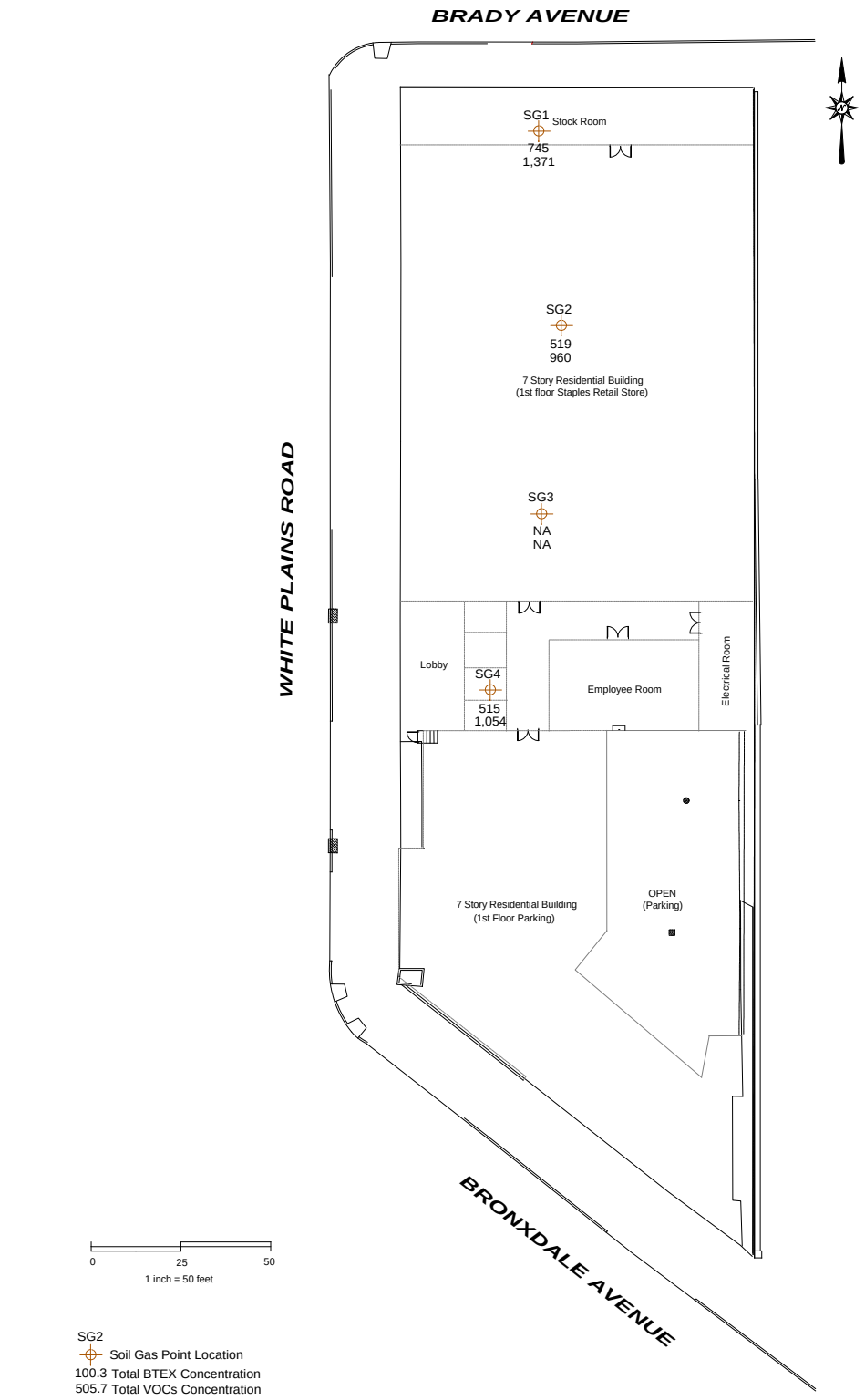


EBC
Environmental Business Consultants
1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631. 924 .2870

2040 White Plains Road, Bronx, NY

Monitoring Well Sampling Results

FIGURE 2



EBC
Environmental Business Consultants
1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631. 924 .2870

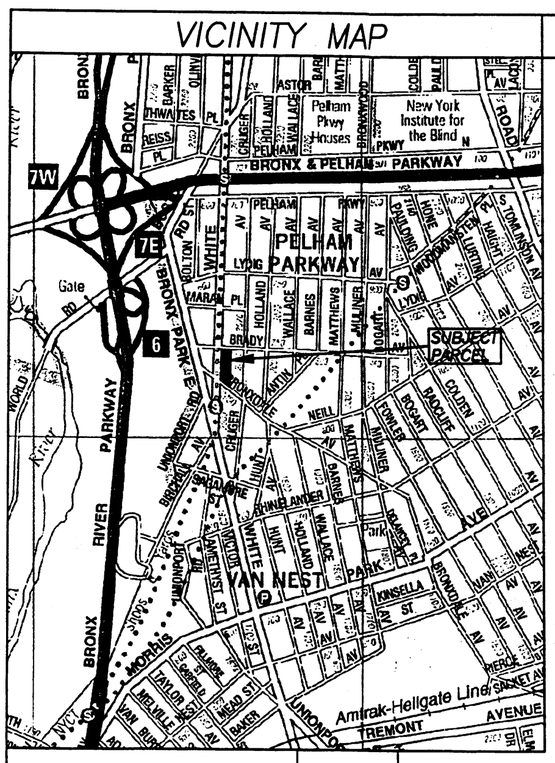
2040 White Plains Road, Bronx, NY

Soil Gas Sampling Results

FIGURE 3

APPENDIX A
METES and BOUNDS

VICINITY MAP



PROPERTY DESCRIPTION

ALL that certain piece or parcel of land, situate lying and being in the Borough and County of Bronx, City and State of New York, shown as Block 4284 Lot 1001 (formerly Block 4284 Part of Lot 5) as shown on the New York City Tax Map, and being more particularly described as follows:

BEGINNING at the corner formed by the intersection of the southerly side of Brady Avenue with the easterly side of White Plains Road forming an interior angle of 90° 00' 00", as streets are legally opened;

THENCE easterly along the southerly side of Brady Avenue a distance of 100.00 feet to a point;

THENCE southerly and parallel with the easterly side of White Plains Road forming an interior angle of 90° 00' 00" a distance of 331.20 feet to the northerly side of Bronxdale Avenue, as legally opened;

THENCE northwesterly along the northerly side of Bronxdale Avenue forming an interior angle of 51° 56' 30" a distance of 127.001 feet to the easterly side of White Plains Road; and

THENCE northerly along the easterly side of White Plains Road forming an interior angle of 128° 03' 30" a distance of 252.91 feet to the point of BEGINNING.

ZONING DATA

ZONING CALCULATION
(QUALITY HOUSING PROGRAM)

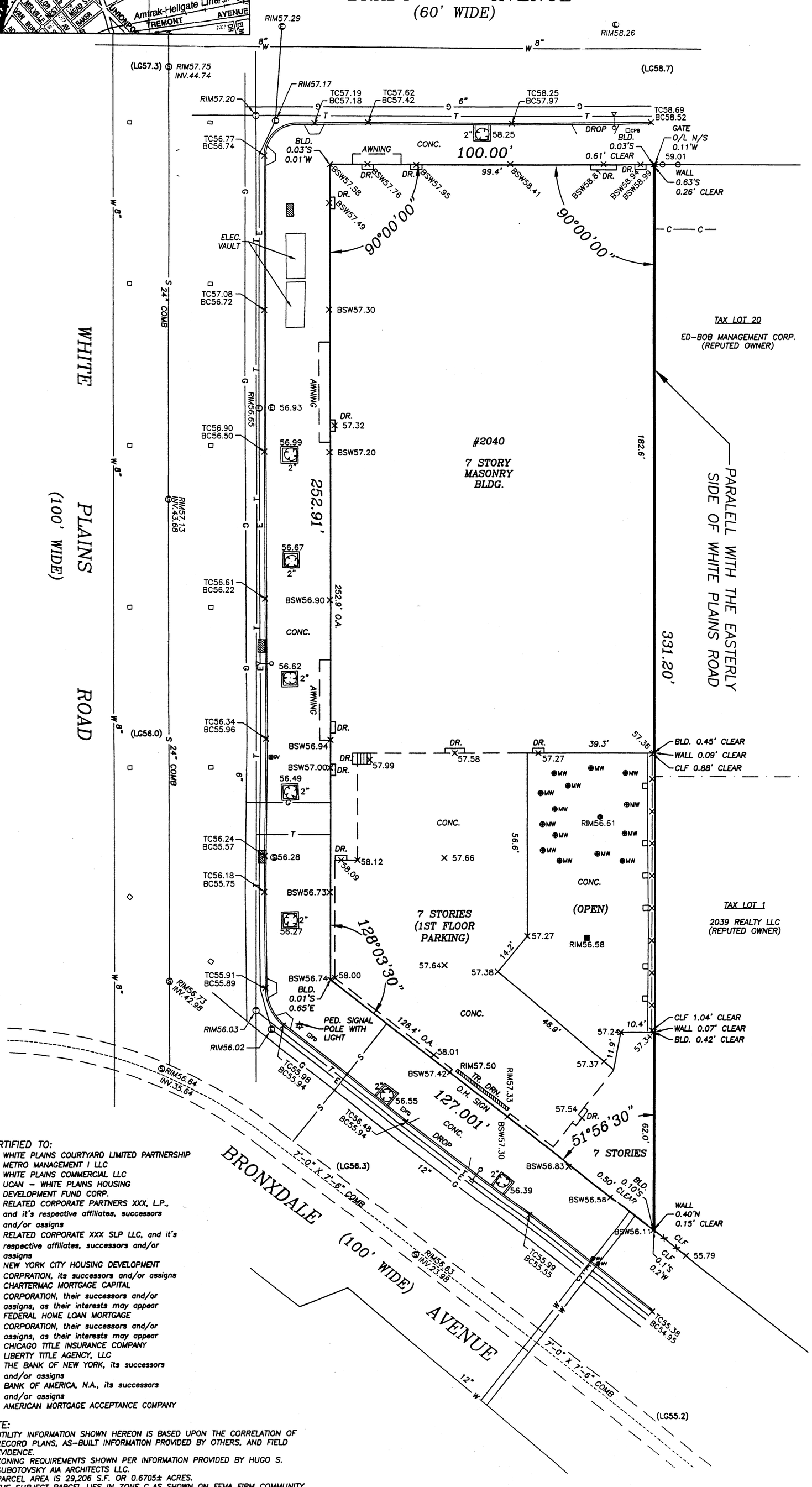
BLOCK: 4284
LOT: 5
MAP: 4a
ZONING: C2-3 / R7-1

BUILDING CONSTRUCTION CLASSIFICATION I-D
BUILDING GROUP OCCUPANCY J-2

		PROPOSED SQ. FT.	PERMT./REQ. SQ. FT.	REMARKS ZONING SECTION
LOT AREA LA		29,205	1,700 MIN.	RES. 23-32
LOT COVERAGE LC		18,386	80% OR 23,364 MAX.	RES. 23-145
OPEN SPACE OS		10,819	5,841 MIN.	RES. 23-145
GROSS FLOOR AREA	RESIDENTIAL	101,386	116,820 MAX.	RES. 23 145
	DEDUCTIONS (*)	- 4,864		
CFA = LA x FAR	RESID. TOTAL	96,522		
	COMMERCIAL	16,273	58,410 MAX.	RES. 33-122
	BLDG TOTAL	112,795	116,820 MAX.	RES. 35-31
FLOOR AREA RATIO	RESIDENTIAL	3.30	4.00	RES. 23-145
	COMMERCIAL	0.55	2.00	RES. 33-122
FAR - GFA/LA	TOTAL	3.85	4.00	RES. 35-31
NO. OF APTS.		100	170 MAX.	RES. 23-22
DWELLING UNIT FACTOR DUF		96,072/100 960	680 MIN.	RES. 23-22
FRONT YARD		NONE	NONE	RES. 23-45
SIDE YARD		NONE	NONE	RES. 23-462 (c)
REAR YARD		39'-0"	30'-0" MIN.	RES. 23-532 (b) RES. 23-47
MINIMUN BASE HEIGHT		63'-9"	40' 0" MIN.	RES. 23-633 (TABLE A)
MAXIMUM BASE HEIGHT		63'-9"	65'-0" MAX.	RES. 23-633 (TABLE A)
MAXIMUM BUILDING HEIGHT		72'-6"	80'-0" MAX.	RES. 23-633 (TABLE A)
INITIAL SETBACK:		15'-0"	10'-0" @ W. ST. 15'-0" @ N. ST.	RES. 35-24 (b)
RESIDENTIAL PARKING		N/A	WAIVED	RES. 25-23
COMMERCIAL PARKING		40 ATTENDED	40 SPACES	RES. 25-261

(*) ALLOWABLE DEDUCTIONS	CORRIDORS	2,696	RES. 28-25
	REFUSE	72	RES. 28-23
	LAUNDRY	572	RES. 28-24
	MECHANICAL	1,524	RES. 12-10(o)(8)
	TOTAL	4,864	

RESIDENTIAL GFA CALCULATION	1ST FLR		1,155
	2nd-6th FLRS	SFLRS @ 18,386ea	91,930
	7TH FLR		8,301
	TOTAL		101,386



SURVEY CERTIFICATION

I, JOHN J. TOSCANO, A REGISTERED LAND SURVEYOR, LICENSE NO. 049872 IN AND FOR THE STATE OF NEW YORK AND LEGALLY DOING BUSINESS IN NASSAU COUNTY, DOES HEREBY CERTIFY TO AMERICAN MORTGAGE ACCEPTANCE COMPANY, LIBERTY TITLE AGENCY, L.L.C., AND THEIR RESPECTIVE SUCCESSORS AND ASSIGNS:

(1) THE ACCOMPANYING SURVEY MAP NO. 2005035 REPRESENTS A TRUE AND CORRECT SURVEY MADE BY ME ON APRIL 24, 2007 OF THE LAND THEREIN PARTICULARLY DESCRIBED;

(2) THE SURVEY AND THE INFORMATION, COURSES AND DISTANCES SHOWN THEREON ARE CORRECT;

(3) THE TITLE LINES AND LINES OF ACTUAL POSSESSION ARE THE SAME;

(4) THE LAND DESCRIBED IN THE SURVEY IS THE SAME AS DESCRIBED IN THE TITLE INSURANCE COMMITMENT DESCRIBED BELOW;

(5) THE AREA OF THE SUBJECT PROPERTY AND THE SIZE, LOCATION AND TYPE OF BUILDINGS AND IMPROVEMENTS AND ANY OTHER MATTERS SITUATED ON THE SUBJECT PROPERTY ARE AS SHOWN AND ALL BUILDINGS AND IMPROVEMENTS ARE WITHIN THE BOUNDARY LINES AND APPLICABLE SET-BACK LINE OF THE PROPERTY, OTHER THAN AS SHOWN ON THE SURVEY;

(6) THERE ARE NO VIOLATIONS OF ZONING ORDINANCES, RESTRICTIONS OR OTHER RULES AND REGULATIONS WITH REFERENCE TO THE LOCATION OF SAID BUILDINGS AND IMPROVEMENT;

(7) THERE ARE NO EASEMENT OR USES AFFECTING THIS PROPERTY APPEARING FROM A CAREFUL PHYSICAL INSPECTION OF THE SAME, OTHER THAN THOSE SHOWN AND DEPICTED ON THE SURVEY;

(8) THERE ARE NO ENCROACHMENTS ON THE ADJOINING PROPERTIES, STREETS, OR ALLEYS BY ANY SAID BUILDINGS, STRUCTURES AND IMPROVEMENTS, OTHER THAN AS SHOWN ON THE SURVEY;

(9) THERE ARE NO PARTY WALLS OR VISIBLE ENCROACHMENTS ON SAID DESCRIBED PROPERTY BY STREETS, ALLEYS OR BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS SITUATED ON ADJOINING PROPERTY, EXCEPT AS SHOWN ON THE SURVEY;

(10) ALL UTILITY SERVICES REQUIRED FOR THE OPERATION OF THE PREMISES EITHER ENTER THE PREMISES THROUGH ADJOINING PUBLIC STREETS, OR THE SURVEY SHOWS THE POINT OF ENTRY AND LOCATION OF ANY UTILITIES THAT PASS THROUGH OR ARE LOCATED ON ADJOINING LAND;

(11) THE SURVEY SHOWS THE LOCATION AND DIRECTION OF ALL VISIBLE STORM DRAINAGE SYSTEMS FOR THE COLLECTION AND DISPOSAL OF ALL ROOF AND SURFACE DRAINAGE;

(12) ANY DISCHARGE INTO STREAMS, RIVERS OR OTHER CONVEYANCE SYSTEM IS SHOWN ON THE SURVEY;

(13) THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA ("SFHA") AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY;

(14) THE SUBJECT PROPERTY HAS ACCESS TO AND FROM A DULY DEDICATED AND ACCEPTED PUBLIC STREET OR HIGHWAY.

(15) THE SUBJECT PROPERTY DOES NOT SERVE ANY ADJOINING PROPERTY FOR DRAINAGE, UTILITIES (OTHER THAN CABLE TV), OR INGRESS OR EGRESS; AND

(16) THE RECORD DESCRIPTION OF THE SUBJECT PROPERTY FORMS A MATHEMATICALLY CLOSED FIGURE.

THE UNDERSIGNED HAS RECEIVED AND EXAMINED A COPY OF LIBERTY TITLE AGENCY, L.L.C. COMPANY'S COMMITMENT NO. LTNY-4758-BX-06; AND THE LOCATION OF ANY MATTER SHOWN THEREON, TO THE EXTENT IT CAN BE LOCATED HAS BEEN SHOWN ON THIS SURVEY WITH THE APPROPRIATE RECORDING REFERENCE.

THE PARTIES LISTED ABOVE ARE ENTITLED TO RELY ON THE SURVEY AND THIS CERTIFICATE AS BEING TRUE AND ACCURATE.

THIS SURVEY IS MADE IN ACCORDANCE WITH THE 2005 "MINIMUM STANDARD DETAIL REQUIREMENTS FOR LAND TITLE SURVEYS" JOINTLY ESTABLISHED AND ADOPTED BY AMERICAN LAND TITLE ASSOCIATION ("ALTA") AND AMERICAN CONGRESS ON SURVEYING AND MAPPING ("ACSM") AND MEETS THE REQUIREMENTS OF AN URBAN SURVEY AS DEFINED IN THE CURRENT ACCURACY STANDARDS JOINTLY ADOPTED BY ALTA AND ACSM AND INCLUDES ITEMS 2, 3, 4, 6, 7(A), 8, 9, 10, 11 AND 13 OF TABLE A THEREOF.

STATE OF NEW YORK * JOHN J. TOSCANO * NO. 049872 LICENSED LAND SURVEYOR

JOHN J. TOSCANO
REGISTRATION NO. 049872

DATE: APRIL 24, 2007

LEGEND

G	GAS LINE	T	TELEPHONE LINE
E	ELECTRIC LINE	C	CABLE TV LINE
S	SEWER LINE	W	WATER LINE
X	CHAIN LINK FENCE		GUARDRAIL
OHW	OVERHEAD WIRES		SIGNS
(LG55.2)	LEGAL GRADE		LIGHT POLES
58.14×	SPOT ELEVATION		GROUND/PEDESTRIAN LIGHT
CL58.88×	CENTERLINE OF ROAD ELEV.	E	ELECTRIC MANHOLE
TC58.67×	TOP OF CURB ELEV.	CPB	CABLE TV PULLBOX
BC58.45×	BOT. OF CURB ELEV.		CATCH BASIN INLETS
BSW58.98×	BACK OF SIDEWALK ELEV.	TR. DRN.	TRENCH DRAIN
TW59.73×	TOP OF WALL ELEV.		DRAIN INLET
MW	TEST MONITORING WELL	S	SEWER MANHOLE
UNK	UNKNOWN VALVE	VNT	VENT
FPB	FIRE PULLBOX	T	TELEPHONE MANHOLE
•	BOLLARD		TRAFFIC SIGNAL POLE
DROP	DROP CURB	U	UNKNOWN MANHOLE
	PEDESTRIAN RAMP	DR.	DOOR

CERTIFIED TO:
- WHITE PLAINS COURTYARD LIMITED PARTNERSHIP
- METRO MANAGEMENT I LLC
- WHITE PLAINS COMMERCIAL LLC
- UCAN - WHITE PLAINS HOUSING DEVELOPMENT FUND CORP.
- RELATED CORPORATE PARTNERS XXX, L.P., and it's respective affiliates, successors and/or assigns
- RELATED CORPORATE XXX SLP LLC, and it's respective affiliates, successors and/or assigns
- NEW YORK CITY HOUSING DEVELOPMENT CORPRATION, its successors and/or assigns
- CHARTERMAC MORTGAGE CAPITAL CORPORATION, their successors and/or assigns, as their interests may appear
- FEDERAL HOME LOAN MORTGAGE CORPORATION, their successors and/or assigns, as their interests may appear
- CHICAGO TITLE INSURANCE COMPANY
- LIBERTY TITLE AGENCY, LLC
- THE BANK OF NEW YORK, its successors and/or assigns
- BANK OF AMERICA, N.A., its successors and/or assigns
- AMERICAN MORTGAGE ACCEPTANCE COMPANY

NOTE:
- UTILITY INFORMATION SHOWN HEREON IS BASED UPON THE CORRELATION OF RECORD PLANS, AS-BUILT INFORMATION PROVIDED BY OTHERS, AND FIELD EVIDENCE.
- ZONING REQUIREMENTS SHOWN PER INFORMATION PROVIDED BY HUGO S. SUBOTOVSKY AIA ARCHITECTS LLC.
- PARCEL AREA IS 29,206 S.F. OR 0.6705± ACRES.
- THE SUBJECT PARCEL LIES IN ZONE C AS SHOWN ON FEMA FIRM COMMUNITY PANEL NO. 36049700012B DATED NOVEMBER 16, 1983.
- BUILDING-MOUNTED LIGHTS PROJECT 0.5' (NOT SHOWN).
- NO STRIPING IN PARKING AREA.

Date	Revisions
5/18/2007	ADD LEGAL DESCRIPTION
4/24/2007	FINAL SURVEY & REVISE CERTIFICATIONS
8/24/2005	CERTIFICATION REVISIONS
8/10/2005	UPDATE AND ADDITIONAL CERTIFICATIONS
6/6/2005	ADDITIONAL CERTIFICATIONS
5/27/2005	ADDITIONAL CERTIFICATIONS
5/26/2005	ADD CERTIFICATIONS
4/13/2005	MODIFY SEWER INFORMATION
4/11/2005	SEWER DISTANCES
4/5/2005	SEWER AND WATER INFO.
3/3/2005	COLUMN OFFSETS & SIDEWALK WIDTHS

STATE OF NEW YORK * JOHN J. TOSCANO * NO. 049872 LICENSED LAND SURVEYOR

John J. Toscano P.L.S. 049872

FINAL SURVEY
OF PROPERTY IN BRONX, NEW YORK
SHOWN AS BLOCK 4284, LOT 1001
FORMERLY AS BLOCK 4284, LOT 5
ON THE CITY OF NEW YORK TAX ASSESSMANT MAP

CARMAN-DUNNE, P.C.
CONSULTING ENGINEERS & SURVEYORS
2 Lakeview Avenue, Lynbrook, New York 11563
TEL. (516) 599-5563 FAX (516) 593-4873

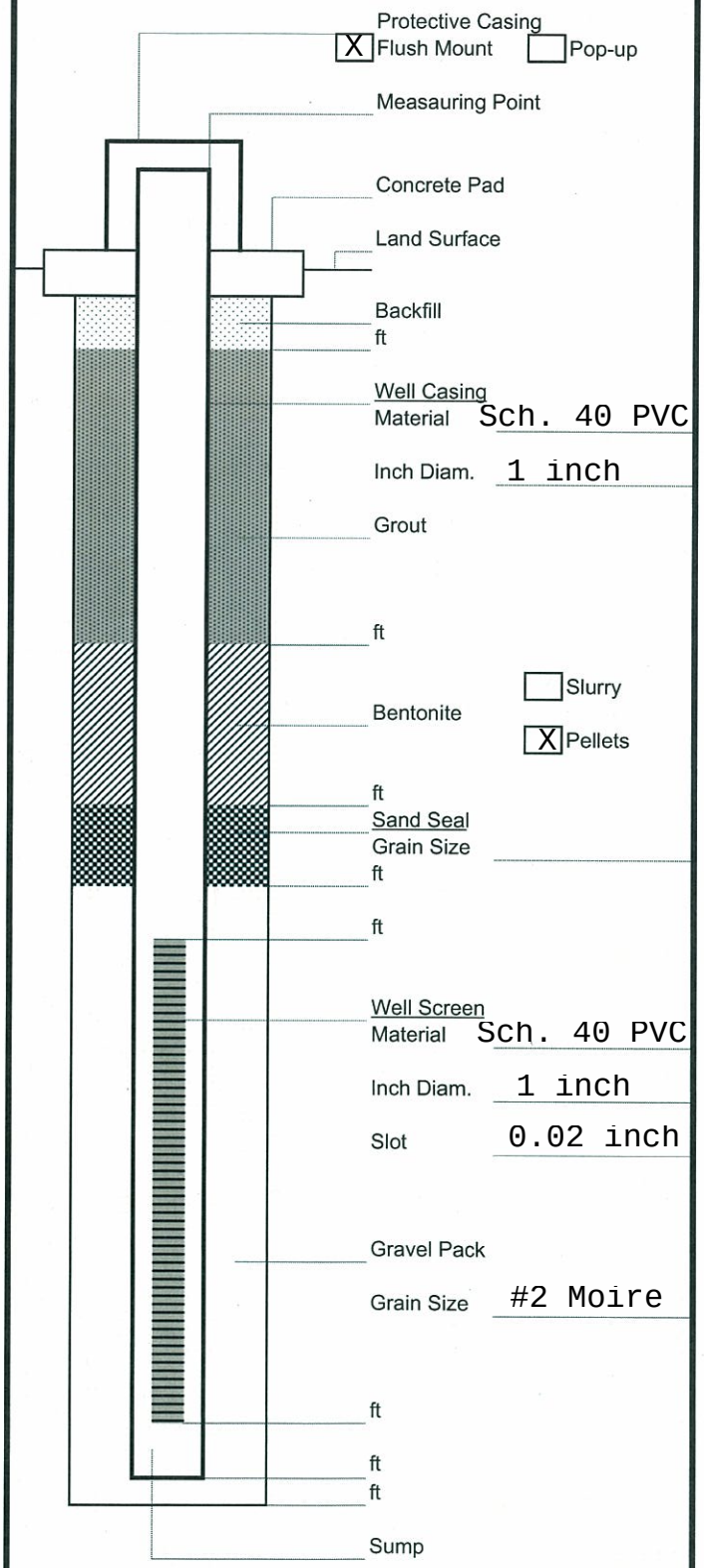
Date:	File: K:\Projects\2005\2005035\2005035_SVY.dwg
2/08/2005	Palette: LegacyCDunne

Plate No.:	Project No.:	Scale:	Sheet
187	2005035.00	1"=20'	1 of 1

APPENDIX B
MONITORING WELL CONSTRUCTION LOGS

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Well No. MW08-1

NYSDEC Permit No.

Project 2040 White Plains Road, Bronx

Surveyor

Land Surface Elevation

Measuring Point Elevation

Borehole Diameter: 2 inches

Installation Date July 24, 2008

Drilling Contractor LVS, Inc.

Drilling Method Rock Core

Drilling Fluid None

Development Technique (s) and Date (s)

Fluid Loss During Drilling Gallons

Water Removed During Development

Static Depth to Water

Pumping Depth to Water

Pumping Duration

Yield GPM DATE

Specific Capacity GPM/Ft

Well Purpose

Up-gradient monitoring well

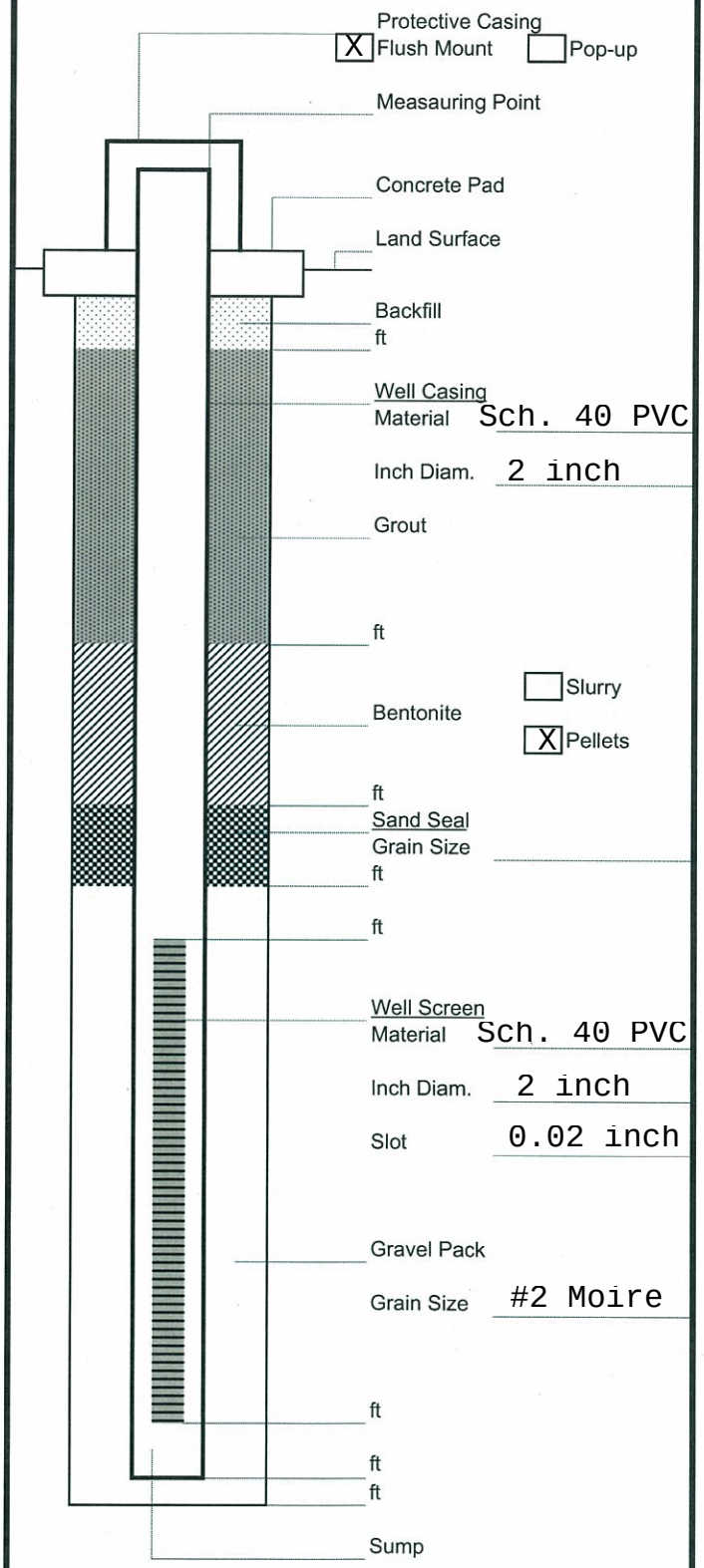
Hydrogeologist Damion Lawyer

Company Name Environmental Business Cons.

Notes

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Well No. MW08-2

NYSDEC Permit No.

Project 2040 White Plains Road, Bronx

Surveyor

Land Surface Elevation

Measuring Point Elevation

Borehole Diameter: 6 inches

Installation Date June 5, 2008

Drilling Contractor Universal Testing

Drilling Method Air Rotary Drilling

Drilling Fluid None

Development Technique (s) and Date (s)

Fluid Loss During Drilling Gallons

Water Removed During Development

Static Depth to Water

Pumping Depth to Water

Pumping Duration

Yield GPM DATE

Specific Capacity GPM/Ft

Well Purpose

Downgradient monitoring well

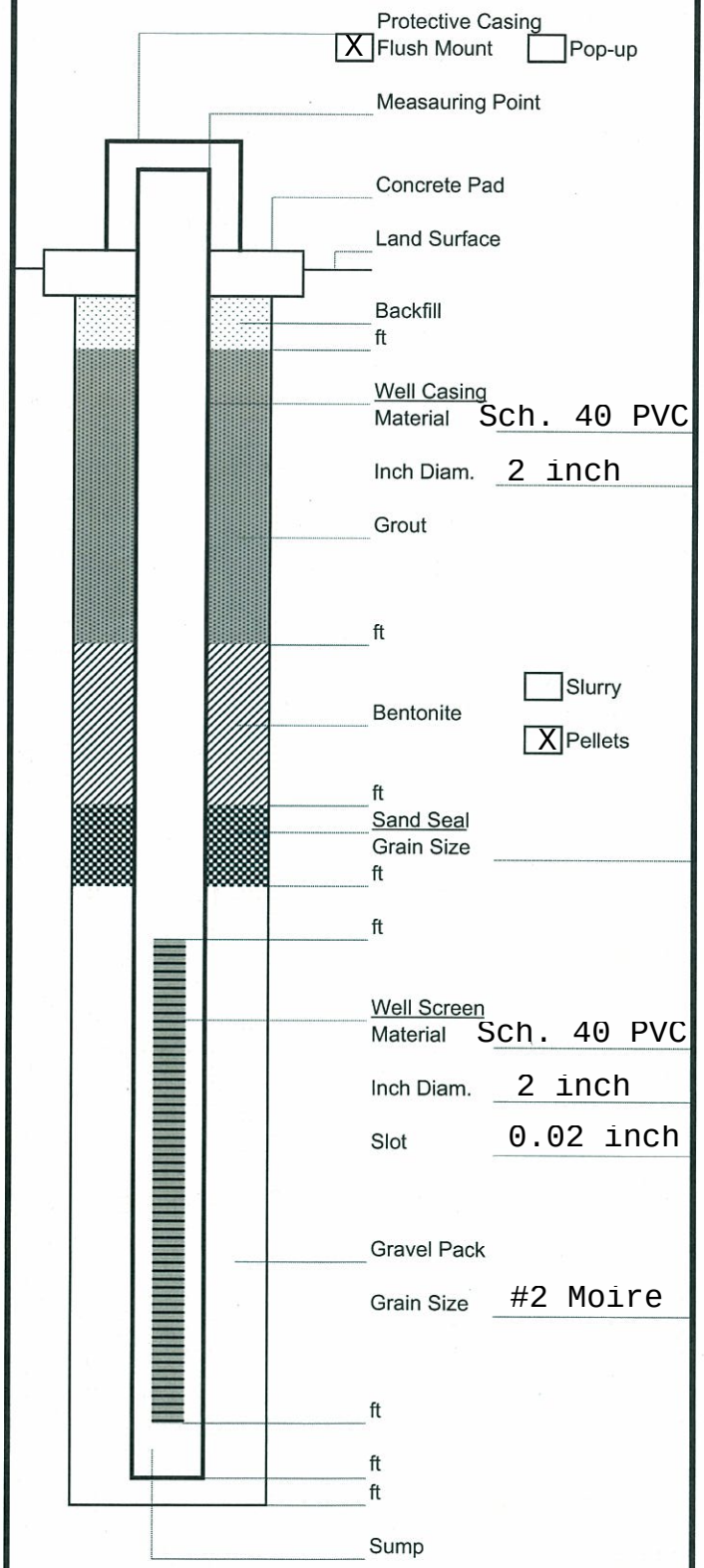
Hydrogeologist Damion Lawyer

Company Name Environmental Business Cons.

Notes

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Well No. MW08-3

NYSDEC Permit No.

Project 2040 White Plains Road, Bronx

Surveyor

Land Surface Elevation

Measuring Point Elevation

Borehole Diameter: 6 inches

Installation Date June 6, 2008

Drilling Contractor Universal Testing

Drilling Method Air Rotary Drilling

Drilling Fluid None

Development Technique (s) and Date (s)

Fluid Loss During Drilling Gallons

Water Removed During Development

Static Depth to Water

Pumping Depth to Water

Pumping Duration

Yield GPM DATE

Specific Capacity GPM/Ft

Well Purpose

Downgradient monitoring well

Hydrogeologist Damion Lawyer

Company Name Environmental Business Cons.

Notes

APPENDIX C
LABORATORY REPORTS

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : Z4105

Proiect ID : 2040 White Plains Road

Customer Name : Environmental Business Consultants

Lab Sample Number	Customer Sample Number
Z4105-01	MW-1

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PI QUOTE NO. z4105

COC Number 068569

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: EBC
ADDRESS: EBC 1304 middle Country Road
CITY: Ridge STATE: NY ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 2040 WPR / 3035 WPR
PROJECT NO.: LOCATION: 2040 / 3035 WPR
PROJECT MANAGER: C Sosik
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS *
HARD COPY: DAYS *
EDD: DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☑ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD FORMAT

ANALYSIS

VOCs

PRESERVATIVES

COMMENTS

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9
1.	2040 mw1	H2O		✓			2									
2.	3035 mw7															
3.	mw9															
4.	mw6															
5.	mw3															
6.	mw5															
7.																
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8/11	1.
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3. FED EX	8-12-08 9:20	3. A. Trivisonno

Conditions of bottles or coolers at receipt: ☑ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☑ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☑ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number: 24105
COC Number:

CLIENT INFORMATION

Report to be sent to
COMPANY: Environmental Business Consultants
ADDRESS: 1808 Middle Country Road
CITY: Ridge STATE: NY ZIP: 11961
ATTENTION: Charles Sosik
PHONE: 631.504.6000 FAX: 631.924.2870

PROJECT INFORMATION

PROJECT NAME: 2040 White Plains Road, Bronx, NY
PROJECT #: LOCATION:
PROJECT MANAGER: Charles Sosik
E-MAIL: csosik2@optonline.net
PHONE: 631.504.6000 FAX: 631.924.2870

BILLING INFORMATION

BILL TO: Environmental Business Consultants PO#
ADDRESS: 1808 Middle Country Road
CITY: Ridge STATE: NY ZIP: 11961
ATTENTION: Charles Sosik
PHONE: 631.504.6000

DATA TURNAROUND INFORMATION

FAX: _____ DAYS*
HARD COPY: STAT DAYS*
EDD STAT DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ✈ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1 VOCs 8260 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								VOCS 8260									<- Specify Preservatives A-HCl B-HNO3 C-H2SO13 D-NaOH E-ICE F-OTHER
1.	MW-1	Water		X	8/6/2008	1500	1	X									E
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	8/11	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3. FED-EX	8.12.08 9:20	3.

Conditions of bottles or coolers at receipt: ✈ COMPLIANT ✈ NON COMPLIANT ✈ COOLER TEMP 4°C
MeOH extraction requires an additional 4oz. Jar for percent solid
Comments: THIS IS Revise C.O.C. Sent by Client

Page 1 of 1

CLIENT: ✈ Hand Delivered ✈ Overnight
CHEMTECH: ✈ Picked Up ✈

Shipment Complete ☒ YES ✈ NO

10/16/2004

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY #

LABORATORY CERTIFICATION

STATE	License No.
New Jersey	20012
New York	11376
Florida	E87935
Maryland	296
Massachusetts	M-NJ503
Oklahoma	9705
Rhode Island	LAO00259
Connecticut	PH-0649
Maine	NJ0503
Pennsylvania	68-548

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #:_____**Z**_____

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	___✓___
Check chain-of-custody for proper relinquish/return of samples	____✓__
Is the chain of custody signed and complete	___✓___
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	_____✓___
Collect information for each project id from server. Were all requirements followed	_____✓_____
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page	_____✓____
Do lab numbers and client Ids on cover page agree with the Chain of Custody	_____✓____
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	____✓___
Do requested analyses on Chain of Custody agree with the log-in page	____✓____
Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody	____✓____
Were the samples received within hold time	_____✓___
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	____✓____
ANALYTICAL:	
Was method requirement followed?	____✓____
Was client requirement followed?	____✓____
Does the case narrative summarize all QC failure?	____✓____
All runlogs reviewed for manual integration requirements	_____

1st Level QA Review Signature:

2nd Level QA Review Signature:_____

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Environmental Business Consultants**	**Date Collected:**	**8/6/2008**
Project:	**2040 White Plains Road**	**Date Received:**	**8/12/2008**
Client Sample ID:	**MW-1**	**SDG No.:**	**Z4105**
Lab Sample ID:	**Z4105-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF013738.D	1	8/19/2008	VF081508

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	4.1	J	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	7.4		5.0	0.72	ug/L
67-66-3	Chloroform	2.7	J	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	5.2		5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**Environmental Business Consultants**	**Date Collected:**	**8/6/2008**
Project:	**2040 White Plains Road**	**Date Received:**	**8/12/2008**
Client Sample ID:	**MW-1**	**SDG No.:**	**Z4105**
Lab Sample ID:	**Z4105-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF013738.D	1	8/19/2008	VF081508

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	47		5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.51	107 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	50.68	101 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	52.88	106 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	51.01	102 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	634160	9.68			
540-36-3	1,4-Difluorobenzene	1235623	10.31			
3114-55-4	Chlorobenzene-d5	1306236	13.38			
3855-82-1	1,4-Dichlorobenzene-d4	654584	15.81			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Summary Sheet
SW-846

SDG No.: **Z4105** **Order ID:** **Z4105**

Client: **Environmental Business Consultants** **Project ID:** **ENVI49**

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**MW-1**							
Z4105-01	MW-1	WATER	Methyl tert-butyl Ether	4.1	J	5.0	0.23	ug/L
Z4105-01	MW-1	WATER	cis-1,2-Dichloroethene	7.4		5.0	0.72	ug/L
Z4105-01	MW-1	WATER	Chloroform	2.7	J	5.0	0.45	ug/L
Z4105-01	MW-1	WATER	Trichloroethene	5.2		5.0	0.34	ug/L
Z4105-01	MW-1	WATER	Tetrachloroethene	47		5.0	0.97	ug/L

Total VOC's: **66.40**
Total TIC's: **0.00**
Total VOC's and TIC's: **66.40**

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

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LAB CHRONICLE

Order ID:	Z4105	**Order Date:**	8/13/2008
Client :	Environmental Business Consultants	**Project:**	2040 White Plains Road
Contact :	Charles B.Sosik P.G.	**Location :**	VOA Ref. #3 Water

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
Z4105-01	**MW-1**	**WATER**			**08/06/08**			**08/12/08**
			VOC-TCL	8260			08/19/08	

END OF ANALYTICAL RESULTS

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COVER PAGE

ProjectID: 2040 White Plains Road

OrderID: Z3766 **CustomerName:** Environmental Business Consultants

LAB SAMPLE NO.	CLIENT SAMPLE NO
Z3766-01	MW-1(NEW)S
Z3766-02	MW-2(NEW)N

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: Mildred V Reyes Name: Mildred V Reyes

Date: 7/30/08 Title: QA/QC

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number: 13766
COC Number:

CLIENT INFORMATION

Report to be sent to
COMPANY: Environmental Business Consultants
ADDRESS: 1808 Middle Country Road
CITY: Ridge STATE: NY ZIP: 11961
ATTENTION: Charles Sosik
PHONE: 631.504.6000 FAX: 631.924.2870

PROJECT INFORMATION

PROJECT NAME: 2040 White Plains Road, Bronx, NY
PROJECT #: ARK0601 LOCATION:
PROJECT MANAGER: Charles Sosik
E-MAIL: Csosik2@optonline.net
PHONE: 631.504.6000 FAX: 631.924.2870

BILLING INFORMATION

BILL TO: EBC PO#
ADDRESS: 1808 Middle Country Road
CITY: Ridge STATE: NY ZIP: 11961
ATTENTION: Charles Sosik
PHONE: 631.504.6000

DATA TURNAROUND INFORMATION

FAX:_____ DAYS*
HARD COPY:_____ DAYS*
EDD_____ DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☒ RESEULTS ONLY
☐ RESULTS + QC
☐ New Jersey REDUCED
☐ New Jersey CLP
☐ USEPA CLP
☐ New York State ASP "B"
☐ New York State ASP "A"
☐ Other_____
☐ EDD FORMAT_____

ANALYSIS

1 VOCs 8260 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-1 (NEW) S	GROUND WATER		X	11/17	930	2										E/A
2.	MW-2 (NEW) N	GROUNDWATER		X	11/17	940	2										E/A
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<-- Specify Preservatives
A-HCl B-HNO4 C-H2SO13 D-NaOH E-ICE F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	11/17/08 2pm	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	9:30 7-18-08	3.

Conditions of bottles or coolers at receipt: ✈ COMPLIANT ✈ NON COMPLIANT ✈ COOLER TEMP 5C
MeOH extraction requires an additional 4oz. Jar for percent solid
Comments:

Page 1 of 1

CLIENT: ✈ Hand Delivered ✈ Overnight
CHEMTECH: ✈ Picked Up ✈

Shipment Complete ☒ YES ✈ NO
#

10/18/2004

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

2

LABORATORY CERTIFICATION

STATE	License No.
New Jersey	20012
New York	11376
Florida	E87935
Maryland	296
Massachusetts	M-NJ503
Oklahoma	9705
Rhode Island	LAO00259
Connecticut	PH-0649
Maine	NJ0503
Pennsylvania	68-548

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

CHEMTECH

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Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	If the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	If the analyte was analyzed for, but not detected.
E	The reported value is estimated because of the presence of interference
M	Duplicate injection precision not met.
N	Spiked sample recovery not within control limits.
S	The reported value was determined by the Method of Standard Addition (MSA).
W	Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while absorbance is less that 50% of spike absorbance.
*	Duplicate analysis not within control limits.
+	Correlation coefficient for the MSA is less than 0.995.
***	Entering "S", "W " or " +" is mutually exclusive. NO combination of these qualifiers can appear in the same field for an analyte.
D	The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"A"** for Flame AA **"PM"** for ICP when Microwave Digestion is used **"AM"** for flame AA when Microwave Digestion is used **"FM"** for furnace AA when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: E3766

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	
All runlogs reviewed for manual integration requirements	

1st Level QA Review Signature: Mildred Vleys Date: 7/30/08

2nd Level QA Review Signature: _____ Date: _____

CHEMTECH

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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

Order ID:	Z3766	**Order Date:**	7/18/2008
Client :	Environmental Business Consultants	**Project:**	2040 White Plains Road
Contact :	Charles B.Sosik P.G.	**Location :**	K52

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
Z3766-01	**MW-1(NEW)S**	**WATER**			**07/17/08**			**07/18/08**
			VOC-TCL	8260			07/21/08	
Z3766-02	**MW-2(NEW)N**	**WATER**			**07/17/08**			**07/18/08**
			VOC-TCL	8260			07/21/08	
Z3766-02DL	**MW-2(NEW)NDL**	**WATER**			**07/17/08**			**07/18/08**
			VOC-TCL	8260			07/21/08	

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Report of Analysis

Client:	**Environmental Business Consultants**	**Date Collected:**	**7/17/2008**
Project:	**2040 White Plains Road**	**Date Received:**	**7/18/2008**
Client Sample ID:	**MW-1(NEW)S**	**SDG No.:**	**Z3766**
Lab Sample ID:	**Z3766-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF013134.D	1	7/21/2008	VF071008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	7.6		5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	27		5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	13		5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	3.9	J	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	6.4		5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	15		5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**Environmental Business Consultants**	**Date Collected:**	**7/17/2008**
Project:	**2040 White Plains Road**	**Date Received:**	**7/18/2008**
Client Sample ID:	**MW-1(NEW)S**	**SDG No.:**	**Z3766**
Lab Sample ID:	**Z3766-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF013134.D	1	7/21/2008	VF071008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	25		5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	71		5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	44		10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	41		5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.44	103 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	48.66	97 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	50.07	100 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	50.6	101 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	637731	9.70			
540-36-3	1,4-Difluorobenzene	1276372	10.33			
3114-55-4	Chlorobenzene-d5	1157824	13.42			
3855-82-1	1,4-Dichlorobenzene-d4	448706	15.87			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Environmental Business Consultants**	**Date Collected:**	**7/17/2008**
Project:	**2040 White Plains Road**	**Date Received:**	**7/18/2008**
Client Sample ID:	**MW-2(NEW)N**	**SDG No.:**	**Z3766**
Lab Sample ID:	**Z3766-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF013135.D	1	7/21/2008	VF071008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	6.2		5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	34		5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

U = Not Detected
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MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Environmental Business Consultants**	**Date Collected:**	**7/17/2008**
Project:	**2040 White Plains Road**	**Date Received:**	**7/18/2008**
Client Sample ID:	**MW-2(NEW)N**	**SDG No.:**	**Z3766**
Lab Sample ID:	**Z3766-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF013135.D	1	7/21/2008	VF071008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	210	E	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	8.3		5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	2.5	J	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.44	105 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	51.08	102 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	51.04	102 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	48.53	97 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	677687	9.70			
540-36-3	1,4-Difluorobenzene	1335836	10.33			
3114-55-4	Chlorobenzene-d5	1164003	13.41			
3855-82-1	1,4-Dichlorobenzene-d4	415100	15.86			

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Environmental Business Consultants**	**Date Collected:**	**7/17/2008**
Project:	**2040 White Plains Road**	**Date Received:**	**7/18/2008**
Client Sample ID:	**MW-2(NEW)NDL**	**SDG No.:**	**Z3766**
Lab Sample ID:	**Z3766-02DL**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF013139.D	10	7/21/2008	VF071008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	8.8	U	50	8.8	ug/L
74-87-3	Chloromethane	3.7	U	50	3.7	ug/L
75-01-4	Vinyl chloride	3.0	U	50	3.0	ug/L
74-83-9	Bromomethane	14	U	50	14	ug/L
75-00-3	Chloroethane	8.0	U	50	8.0	ug/L
75-69-4	Trichlorofluoromethane	5.3	U	50	5.3	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	6.1	U	50	6.1	ug/L
75-35-4	1,1-Dichloroethene	6.7	U	50	6.7	ug/L
67-64-1	Acetone	22	U	250	22	ug/L
75-15-0	Carbon disulfide	2.0	U	50	2.0	ug/L
1634-04-4	Methyl tert-butyl Ether	2.3	U	50	2.3	ug/L
79-20-9	Methyl Acetate	4.5	U	50	4.5	ug/L
75-09-2	Methylene Chloride	3.8	U	50	3.8	ug/L
156-60-5	trans-1,2-Dichloroethene	4.4	U	50	4.4	ug/L
75-34-3	1,1-Dichloroethane	6.7	U	50	6.7	ug/L
110-82-7	Cyclohexane	5.7	U	50	5.7	ug/L
78-93-3	2-Butanone	19	U	250	19	ug/L
56-23-5	Carbon Tetrachloride	2.7	U	50	2.7	ug/L
156-59-2	cis-1,2-Dichloroethene	7.2	U	50	7.2	ug/L
67-66-3	Chloroform	4.5	U	50	4.5	ug/L
71-55-6	1,1,1-Trichloroethane	3.9	U	50	3.9	ug/L
108-87-2	Methylcyclohexane	4.7	U	50	4.7	ug/L
71-43-2	Benzene	3.5	U	50	3.5	ug/L
107-06-2	1,2-Dichloroethane	4.1	U	50	4.1	ug/L
79-01-6	Trichloroethene	3.4	U	50	3.4	ug/L
78-87-5	1,2-Dichloropropane	4.6	U	50	4.6	ug/L
75-27-4	Bromodichloromethane	2.3	U	50	2.3	ug/L
108-10-1	4-Methyl-2-Pentanone	18	U	250	18	ug/L
108-88-3	Toluene	1.6	U	50	1.6	ug/L
10061-02-6	t-1,3-Dichloropropene	3.1	U	50	3.1	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.9	U	50	2.9	ug/L
79-00-5	1,1,2-Trichloroethane	3.2	U	50	3.2	ug/L

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J = Estimated Value
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Environmental Business Consultants**	**Date Collected:**	**7/17/2008**
Project:	**2040 White Plains Road**	**Date Received:**	**7/18/2008**
Client Sample ID:	**MW-2(NEW)NDL**	**SDG No.:**	**Z3766**
Lab Sample ID:	**Z3766-02DL**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF013139.D	10	7/21/2008	VF071008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	18	U	250	18	ug/L
124-48-1	Dibromochloromethane	2.3	U	50	2.3	ug/L
106-93-4	1,2-Dibromoethane	2.6	U	50	2.6	ug/L
127-18-4	Tetrachloroethene	140	D	50	9.7	ug/L
108-90-7	Chlorobenzene	2.8	U	50	2.8	ug/L
100-41-4	Ethyl Benzene	0.50	U	50	0.50	ug/L
126777-61-2	m/p-Xylenes	4.7	U	100	4.7	ug/L
95-47-6	o-Xylene	1.6	U	50	1.6	ug/L
100-42-5	Styrene	1.9	U	50	1.9	ug/L
75-25-2	Bromoform	4.4	U	50	4.4	ug/L
98-82-8	Isopropylbenzene	3.7	U	50	3.7	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	3.7	U	50	3.7	ug/L
541-73-1	1,3-Dichlorobenzene	2.8	U	50	2.8	ug/L
106-46-7	1,4-Dichlorobenzene	2.2	U	50	2.2	ug/L
95-50-1	1,2-Dichlorobenzene	4.0	U	50	4.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U	50	5.8	ug/L
120-82-1	1,2,4-Trichlorobenzene	3.9	U	50	3.9	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.73	107 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	50.26	101 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	50.88	102 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	44.37	89 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	646799	9.71			
540-36-3	1,4-Difluorobenzene	1287474	10.33			
3114-55-4	Chlorobenzene-d5	1073695	13.42			
3855-82-1	1,4-Dichlorobenzene-d4	338322	15.88			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Summary Sheet
SW-846

SDG No.: Z3766 **Order ID:** Z3766

Client: Environmental Business Consultants **Project ID:** ENVI49

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**MW-1(NEW)S**							
Z3766-01	MW-1(NEW)S	WATER	Chloroethane	7.6		5.0	0.80	ug/L
Z3766-01	MW-1(NEW)S	WATER	Methyl tert-butyl Ether	27		5.0	0.23	ug/L
Z3766-01	MW-1(NEW)S	WATER	Cyclohexane	13		5.0	0.57	ug/L
Z3766-01	MW-1(NEW)S	WATER	cis-1,2-Dichloroethene	3.9	J	5.0	0.72	ug/L
Z3766-01	MW-1(NEW)S	WATER	Benzene	6.4		5.0	0.35	ug/L
Z3766-01	MW-1(NEW)S	WATER	Trichloroethene	15		5.0	0.34	ug/L
Z3766-01	MW-1(NEW)S	WATER	Tetrachloroethene	25		5.0	0.97	ug/L
Z3766-01	MW-1(NEW)S	WATER	Ethyl Benzene	71		5.0	0.05	ug/L
Z3766-01	MW-1(NEW)S	WATER	m/p-Xylenes	44		10	0.47	ug/L
Z3766-01	MW-1(NEW)S	WATER	Isopropylbenzene	41		5.0	0.37	ug/L
			Total VOC's:	**253.90**				
			Total TIC's:	**0.00**				
			Total VOC's and TIC's:	**253.90**				
Client ID:	**MW-2(NEW)N**							
Z3766-02	MW-2(NEW)N	WATER	cis-1,2-Dichloroethene	6.2		5.0	0.72	ug/L
Z3766-02	MW-2(NEW)N	WATER	Trichloroethene	34		5.0	0.34	ug/L
Z3766-02	MW-2(NEW)N	WATER	Tetrachloroethene	210	E	5.0	0.97	ug/L
Z3766-02	MW-2(NEW)N	WATER	Ethyl Benzene	8.3		5.0	0.05	ug/L
Z3766-02	MW-2(NEW)N	WATER	Isopropylbenzene	2.5	J	5.0	0.37	ug/L
			Total VOC's:	**261.00**				
			Total TIC's:	**0.00**				
			Total VOC's and TIC's:	**261.00**				
Client ID:	**MW-2(NEW)NDL**							
Z3766-02DL	MW-2(NEW)NDL	WATER	Tetrachloroethene	140	D	50	9.7	ug/L
			Total VOC's:	**140.00**				
			Total TIC's:	**0.00**				
			Total VOC's and TIC's:	**140.00**				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

END OF ANALYTICAL RESULTS

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Environmental Business
Consultants
1808 Middle Country Rd.
Ridge, NY 11961
Attention: Charles Sosik

Report Date: 7/18/2008
Re: Client Project ID: 2040 WPR
York Project No.: 08070023

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 7/18/2008
Client Project ID: 2040 WPR
York Project No.: 08070023

Environmental Business
Consultants
1808 Middle Country Rd.
Ridge, NY 11961
Attention: Charles Sosik

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/30/08. The project was identified as your project "2040 WPR".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			SG-1		SG-2	
York Sample ID			08070023-01		08070023-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, TO-15 List	EPA TO15	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	1.8	Not detected	0.55
1,1,2,2-tetrachloroethane			Not detected	1.8	Not detected	0.55
1,1,2-Trichloroethane			Not detected	1.8	Not detected	0.55
1,1-Dichloroethane			Not detected	1.8	Not detected	0.55
1,1-Dichloroethylene			Not detected	1.8	Not detected	0.55
1,2,4-Trichlorobenzene			Not detected	1.8	Not detected	0.55
1,2,4-Trimethylbenzene			4.9	1.8	4.9	0.55
1,2-Dibromoethane			Not detected	1.8	Not detected	0.55
1,2-Dichlorobenzene			Not detected	1.8	Not detected	0.55
1,2-Dichloroethane			Not detected	1.8	Not detected	0.55
1,2-Dichloropropane			Not detected	1.8	Not detected	0.55
1,2-Dichlorotetrafluoroethane			Not detected	1.8	Not detected	0.55
1,3,5-Trimethylbenzene			5.0	1.8	4.4	0.55
1,3-Butadiene			Not detected	1.8	Not detected	0.55
1,3-Dichlorobenzene			Not detected	1.8	Not detected	0.55
1,4-Dichlorobenzene			Not detected	1.8	Not detected	0.55

YORK

Client Sample ID			SG-1		SG-2	
York Sample ID			08070023-01		08070023-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
2,2,4-Trimethylpentane			Not detected	1.8	3.5	0.55
4-Ethyltoluene			6.5	1.8	5.8	0.55
Acetone			53	1.8	73	0.55
Allyl Chloride			Not detected	1.8	Not detected	0.55
Benzene			3.0	1.8	2.7	0.55
Bromodichloromethane			Not detected	1.8	Not detected	0.55
Bromoform			Not detected	1.8	Not detected	0.55
Bromomethane			Not detected	1.8	Not detected	0.55
Carbon Disulfide			7.1	1.8	6.8	0.55
Carbon Tetrachloride			Not detected	1.8	Not detected	0.55
Chlorobenzene			Not detected	1.8	Not detected	0.55
Chloroethane			Not detected	1.8	Not detected	0.55
Chloroform			24	1.8	Not detected	0.55
Chloromethane			Not detected	1.8	3.4	0.55
cis-1,2-Dichloroethylene			Not detected	1.8	Not detected	0.55
cis-1,3-Dichloropropylene			Not detected	1.8	Not detected	0.55
Cyclohexane			11	1.8	Not detected	0.55
Dibromochloromethane			Not detected	1.8	Not detected	0.55
Dichlorodifluoromethane			Not detected	1.8	Not detected	0.55
Ethyl acetate			Not detected	1.8	Not detected	0.55
Ethylbenzene			6.5	1.8	5.7	0.55
Freon-113			Not detected	1.8	Not detected	0.55
Hexachloro-1,3-Butadiene			Not detected	1.8	Not detected	0.55
Isopropanol			Not detected	1.8	Not detected	0.55
Methyl Ethyl ketone			15	1.8	12	0.55
Methyl Isobutyl ketone			22	1.8	Not detected	0.55
Methylene Chloride			Not detected	1.8	Not detected	0.55
MTBE			Not detected	1.8	Not detected	0.55
n-Heptane			24	1.8	17	0.55
n-Hexane			Not detected	1.8	2.8	0.55
o-Xylene			6.6	1.8	6.2	0.55
p- & m-Xylenes			23	1.8	20	0.55
Propylene			Not detected	1.8	Not detected	0.55
Styrene			Not detected	1.8	Not detected	0.55
Tetrachloroethylene			Not detected	1.8	Not detected	0.55
Tetrahydrofuran			Not detected	1.8	Not detected	0.55
Toluene			150	1.8	120	0.55
trans-1,2-Dichloroethylene			Not detected	1.8	Not detected	0.55
trans-1,3-Dichloropropylene			Not detected	1.8	Not detected	0.55
Trichloroethylene			Not detected	1.8	Not detected	0.55
Trichlorofluoromethane			Not detected	1.8	Not detected	0.55
Vinyl acetate			Not detected	1.8	Not detected	0.55
Vinyl Bromide			Not detected	1.8	Not detected	0.55
Vinyl Chloride			Not detected	1.8	Not detected	0.55
Volatiles, TO-15 List	EPA TO15	ug/cu.m.	---	---	---	---
1,1,1-Trichloroethane			Not detected	10.1	Not detected	3.04
1,1,2,2-tetrachloroethane			Not detected	12.7	Not detected	3.84
1,1,2-Trichloroethane			Not detected	10.1	Not detected	3.04
1,1-Dichloroethane			Not detected	7.44	Not detected	2.25
1,1-Dichloroethylene			Not detected	7.35	Not detected	2.22
1,2,4-Trichlorobenzene			Not detected	15.1	Not detected	4.55

YORK

Client Sample ID			SG-1		SG-2	
York Sample ID			08070023-01		08070023-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,4-Trimethylbenzene			24.5	9.07	24.5	2.74
1,2-Dibromoethane			Not detected	14.1	Not detected	4.27
1,2-Dichlorobenzene			Not detected	11.1	Not detected	3.34
1,2-Dichloroethane			Not detected	7.44	Not detected	2.25
1,2-Dichloropropane			Not detected	8.53	Not detected	2.58
1,2-Dichlorotetrafluoroethane			Not detected	9.07	Not detected	2.74
1,3,5-Trimethylbenzene			25.0	9.07	22.0	2.74
1,3-Butadiene			Not detected	4.08	Not detected	1.23
1,3-Dichlorobenzene			Not detected	11.1	Not detected	3.34
1,4-Dichlorobenzene			Not detected	11.1	Not detected	3.34
2,2,4-Trimethylpentane			Not detected	8.62	16.6	2.60
4-Ethyltoluene			32.5	9.07	29.0	2.74
Acetone			128	4.35	176	1.32
Allyl Chloride			Not detected	5.80	Not detected	1.75
Benzene			9.75	5.90	8.77	1.78
Bromodichloromethane			Not detected	12.3	Not detected	3.73
Bromoform			Not detected	19.0	Not detected	5.75
Bromomethane			Not detected	7.17	Not detected	2.16
Carbon Disulfide			22.5	5.71	21.5	1.73
Carbon Tetrachloride			Not detected	11.6	Not detected	3.51
Chlorobenzene			Not detected	8.53	Not detected	2.58
Chloroethane			Not detected	4.90	Not detected	1.48
Chloroform			119	8.98	Not detected	2.71
Chloromethane			Not detected	3.81	7.14	1.15
cis-1,2-Dichloroethylene			Not detected	7.35	Not detected	2.22
cis-1,3-Dichloropropylene			Not detected	8.98	Not detected	2.71
Cyclohexane			38.5	6.35	Not detected	1.92
Dibromochloromethane			Not detected	15.7	Not detected	4.74
Dichlorodifluoromethane			Not detected	9.16	Not detected	2.77
Ethyl acetate			Not detected	6.80	Not detected	2.06
Ethylbenzene			28.7	7.98	Not detected	2.41
Freon-113			Not detected	14.1	Not detected	4.27
Hexachloro-1,3-Butadiene			Not detected	12.9	Not detected	3.89
Isopropanol			Not detected	4.53	Not detected	1.37
Methyl Ethyl ketone			45.0	5.44	36.0	1.64
Methyl Isobutyl ketone			91.7	7.53	Not detected	2.27
Methylene Chloride			Not detected	6.44	Not detected	1.95
MTBE			Not detected	6.62	Not detected	2.00
n-Heptane			99.8	7.53	70.7	2.27
n-Hexane			Not detected	6.53	10.0	1.97
o-Xylene			29.2	7.98	88.3	2.41
p- & m-Xylenes			102	7.98	25.2	2.41
Propylene			Not detected	3.17	Not detected	0.959
Styrene			Not detected	7.89	27.4	2.38
Tetrachloroethylene			Not detected	12.5	Not detected	3.78
Tetrahydrofuran			Not detected	5.44	Not detected	1.64
Toluene			575	6.98	460	2.11
trans-1,2-Dichloroethylene			Not detected	7.35	Not detected	2.22
trans-1,3-Dichloropropylene			Not detected	9.16	Not detected	2.77
Trichloroethylene			Not detected	9.89	Not detected	2.99
Trichlorofluoromethane			Not detected	10.3	Not detected	3.12

YORK

Client Sample ID			SG-1		SG-2	
York Sample ID			08070023-01		08070023-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Vinyl acetate			Not detected	6.53	Not detected	1.97
Vinyl Bromide			Not detected	8.07	Not detected	2.44
Vinyl Chloride			Not detected	4.72	Not detected	1.42

Client Sample ID			SG-4	
York Sample ID			08070023-04	
Matrix			AIR	
Parameter	Method	Units	Results	MDL
Volatiles, TO-15 List	EPA TO15	ppbv	---	---
1,1,1-Trichloroethane			Not detected	1.7
1,1,2,2-tetrachloroethane			Not detected	1.7
1,1,2-Trichloroethane			Not detected	1.7
1,1-Dichloroethane			Not detected	1.7
1,1-Dichloroethylene			Not detected	1.7
1,2,4-Trichlorobenzene			Not detected	1.7
1,2,4-Trimethylbenzene			3.3	1.7
1,2-Dibromoethane			Not detected	1.7
1,2-Dichlorobenzene			Not detected	1.7
1,2-Dichloroethane			Not detected	1.7
1,2-Dichloropropane			Not detected	1.7
1,2-Dichlorotetrafluoroethane			Not detected	1.7
1,3,5-Trimethylbenzene			3.6	1.7
1,3-Butadiene			Not detected	1.7
1,3-Dichlorobenzene			Not detected	1.7
1,4-Dichlorobenzene			Not detected	1.7
2,2,4-Trimethylpentane			Not detected	1.7
4-Ethyltoluene			4.7	1.7
Acetone			110	1.7
Allyl Chloride			Not detected	1.7
Benzene			Not detected	1.7
Bromodichloromethane			Not detected	1.7
Bromoform			Not detected	1.7
Bromomethane			Not detected	1.7
Carbon Disulfide			Not detected	1.7
Carbon Tetrachloride			Not detected	1.7
Chlorobenzene			Not detected	1.7
Chloroethane			Not detected	1.7
Chloroform			12	1.7
Chloromethane			Not detected	1.7
cis-1,2-Dichloroethylene			Not detected	1.7
cis-1,3-Dichloropropylene			Not detected	1.7
Cyclohexane			7.5	1.7
Dibromochloromethane			Not detected	1.7
Dichlorodifluoromethane			Not detected	1.7
Ethyl acetate			Not detected	1.7
Ethylbenzene			5.4	1.7
Freon-113			Not detected	1.7
Hexachloro-1,3-Butadiene			Not detected	1.7
Isopropanol			Not detected	1.7

YORK

Client Sample ID			SG-4	
York Sample ID			08070023-04	
Matrix			AIR	
Parameter	Method	Units	Results	MDL
Methyl Ethyl ketone			24	1.7
Methyl Isobutyl ketone			Not detected	1.7
Methylene Chloride			Not detected	1.7
MTBE			Not detected	1.7
n-Heptane			20	1.7
n-Hexane			Not detected	1.7
o-Xylene			5.0	1.7
p- & m-Xylenes			2.0	1.7
Propylene			Not detected	1.7
Styrene			Not detected	1.7
Tetrachloroethylene			Not detected	1.7
Tetrahydrofuran			Not detected	1.7
Toluene			120	1.7
trans-1,2-Dichloroethylene			Not detected	1.7
trans-1,3-Dichloropropylene			Not detected	1.7
Trichloroethylene			Not detected	1.7
Trichlorofluoromethane			Not detected	1.7
Vinyl acetate			Not detected	1.7
Vinyl Bromide			Not detected	1.7
Vinyl Chloride			Not detected	1.7
Volatiles, TO-15 List	EPA TO15	ug/cu.m.	---	---
1,1,1-Trichloroethane			Not detected	9.27
1,1,2,2-tetrachloroethane			Not detected	11.7
1,1,2-Trichloroethane			Not detected	9.27
1,1-Dichloroethane			Not detected	6.85
1,1-Dichloroethylene			Not detected	6.76
1,2,4-Trichlorobenzene			Not detected	13.9
1,2,4-Trimethylbenzene			16.5	8.35
1,2-Dibromoethane			Not detected	13.0
1,2-Dichlorobenzene			Not detected	10.2
1,2-Dichloroethane			Not detected	6.85
1,2-Dichloropropane			Not detected	7.85
1,2-Dichlorotetrafluoroethane			Not detected	8.35
1,3,5-Trimethylbenzene			18.0	8.35
1,3-Butadiene			Not detected	3.76
1,3-Dichlorobenzene			Not detected	10.2
1,4-Dichlorobenzene			Not detected	10.2
2,2,4-Trimethylpentane			Not detected	7.93
4-Ethyltoluene			23.5	8.35
Acetone			266	4.01
Allyl Chloride			Not detected	5.34
Benzene			Not detected	5.43
Bromodichloromethane			Not detected	11.4
Bromoform			Not detected	17.5
Bromomethane			Not detected	6.60
Carbon Disulfide			Not detected	5.26
Carbon Tetrachloride			Not detected	10.7
Chlorobenzene			Not detected	7.85
Chloroethane			Not detected	4.51
Chloroform			59.6	8.27
Chloromethane			Not detected	3.51

YORK

Client Sample ID			SG-4	
York Sample ID			08070023-04	
Matrix			AIR	
Parameter	Method	Units	Results	MDL
cis-1,2-Dichloroethylene			Not detected	6.76
cis-1,3-Dichloropropylene			Not detected	8.27
Cyclohexane			26.3	5.85
Dibromochloromethane			Not detected	14.4
Dichlorodifluoromethane			Not detected	8.43
Ethyl acetate			Not detected	6.26
Ethylbenzene			23.9	7.35
Freon-113			Not detected	13.0
Hexachloro-1,3-Butadiene			Not detected	11.9
Isopropanol			Not detected	4.18
Methyl Ethyl ketone			72.0	5.01
Methyl Isobutyl ketone			Not detected	6.93
Methylene Chloride			Not detected	5.93
MTBE			Not detected	6.10
n-Heptane			83.2	6.93
n-Hexane			Not detected	6.01
o-Xylene			22.1	7.35
p- & m-Xylenes			8.83	7.35
Propylene			Not detected	2.92
Styrene			Not detected	7.26
Tetrachloroethylene			Not detected	11.5
Tetrahydrofuran			Not detected	5.01
Toluene			460	6.43
trans-1,2-Dichloroethylene			Not detected	6.76
trans-1,3-Dichloropropylene			Not detected	8.43
Trichloroethylene			Not detected	9.10
Trichlorofluoromethane			Not detected	9.52
Vinyl acetate			Not detected	6.01
Vinyl Bromide			Not detected	7.43
Vinyl Chloride			Not detected	4.34

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 08070023

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Managing Director

Date: 7/18/2008

YORK

YORK
ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

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08070023

Company Name	Report To:	Invoice To:	Project ID/No.	
EBC 1808 Middle Country Rd Ridge	Charles Sosik		2040 WPR Staples	Samples Collected By (Signature) Name (Printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
	Staples Store SG1	6/27					TO 15	6 Liter Summa
	Staples SG2	6/27						
	Staples SG3	6/27						
	Staples SG4	6/27						

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by: Charles Sosik	6/30/08 12:11pm
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time
		Sample Received by: H. Bernard Horton	6-30-08 12:16 PM
		Sample Received in LAB by	6/30/08 3:00 Date/Time

Comments/Special Instructions

Turn-Around Time

✓ Standard ___ RUSH(define)_____

APPENDIX D
SEMI-ANNUAL CHECKLIST

Semi-Annual Inspection Checklist

WHITE PLAINS COURTYARD APARTMENTS
2040 WHITE PLAINS ROAD
BRONX, NEW YORK

NYSDEC BCP Number: C203031

Date/time: 6/27/08

Inspector (name/organization): Charles Sosik / EBE

Detail the condition of the first floor concrete slab, make note of any significant penetrations through the concrete slab: No New perforations observed in staples, Store, employee Areas, Restrooms, loading dock or Apartment lobby.

Detail the condition of sub-slab depressurization system, including, above grade piping, three blowers, and three pressure alarms:

Observed & Inspected 3 Blowers on Roof. All Running & No signs of deterioration. Roof Alarm system in utility room North system has no vac Reading.

Are any repairs and/or maintenance needed at this time? If so, conduct another inspection following repairs.

Need to trouble shoot North loop vac gauges. & Reinspect.

Name	Signature	Date
Charles Sosik	Charles Sosik	6/27/08

Semi-Annual Inspection Checklist

WHITE PLAINS COURTYARD APARTMENTS
2040 WHITE PLAINS ROAD
BRONX, NEW YORK

NYSDEC BCP Number: C203031

Date/time: August 15, 2008 10^00

Inspector (name/organization): Kevin Brussee – Environmental Business Consultants

Detail the condition of the first floor concrete slab, make note of any significant penetrations through the concrete slab:

– Did not inspect –

Detail the condition of sub-slab depressurization system, including, above grade piping, three blowers, and three pressure alarms: As noted by Aerial, one vacuum guage recorded vacuum of 0 "Hg. and alarm was unplugged. used compressed air to blow out copper line connecting roof exhaust stack to the vacuum gauge and alarm. No clog observed. Connected different vacuum gauge to line to determine if gauge was broken, no vacuum recorded. Inspected ventilation fan, air blowing hard from exhaust pipe. No clogs noted in roof exhaust stack immediately prior to fan.

Are any repairs and/or maintenance needed at this time? If so, conduct another inspection following repairs.

Yes. No vacuum is being created for third, most northern loop. Exhaust fan is operational however.

Kevin Brussee	Kevin R Brussee	8/15/08
Name	Signature	Date