400 RIDER AVENUE

BLOCK 2334, LOTS 38, 39, 40, 41, 43, 45 AND 59

BRONX, NEW YORK

Remedial Investigation Report

BCP Project # 12CVCP059X

Prepared for:

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AST	Aboveground Storage Tank
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
ELAP	Environmental Laboratory Approval Program
ELM	Environmental Liability Management, LLC
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
GQS	Groundwater Quality Standards
HAZWOPER	Hazardous Waste Operations and Emergency Response
mg/kg	milligrams per kilogram
NYC BCP	New York City Brownfield Cleanup Program
NYCOER	New York City Office of Environmental Remediation
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OSHA	Occupational Safety and Health Administration
OVM	Organic Vapor Meter
PAHs	Poly-Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene
QEP	Qualified Environmental Professional
RCNY	Rules of the City of New York
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SI	Site Inspection
SV	Soil Vapor
SVOCs	Semi-Volatile Organic Compounds

Acronym	Definition
TAL	Target Analyte List
TCE	Trichloroethene
TOGS	Technical and Operational Guidance Series
TWP	Temporary Well Point
ug/m3	Micrograms per Cubic Meter
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

CERTIFICATION

I, __Doug Harm_____, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for 400 Rider Avenue, Bronx. I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents, and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

_____

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The Remedial Investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 247-267 East 142nd Street, 400 Rider Avenue, and 262 East 143rd Street, Bronx, New York, and identified as Block 2334, Lots 38, 39, 40, 41, 43, 45 and 59, on the New York City Tax Map. Refer to Figure 1 - Site Location Map and Figure 2 – Tax Map. The Site is approximately 45,728 square feet and is bounded by the Lincoln Hospital parking garage to the north, residential structures to the east, a baseball field to the south, and light industrial and commercial structures to the west. The site is currently utilized as a vehicle parking garage.

Summary of Proposed Redevelopment Plan

The Applicant proposes to construct two (2) adjoining six (6)-story buildings with below grade parking, first floor residential and commercial space, and five (5) floors of residential units. The second floor will contain above grade exterior recreational areas in the center of the building.

Summary of Past Uses of Site and Areas of Concern

Based on information contained in the Phase I ESA by Brinkerhoff, subject lots 39, 40, and 41 were developed primarily with dwellings from at least 1891 to 2006. Lot 38 was developed with a filling station from the early 1940s until the mid-1970s, after which time it became vacant. Lots 43 and 45 were developed with structures labeled COLUMBIA METAL BOX CO. from the early 1930s until the mid-1970s and became structures labeled AUTO REPAIR since at least 1996. Lot 59 was developed with commercial structures labeled AUTO SERVICE from at least 1935 to 2006.

The following Areas of Concern (AOCs) were identified during completion of the Phase I Environmental Site Assessment (ESA).

1. A review of various databases identified Lots 38, 39, 40, 41, 43, 45, and 59 of Block 2334 contained an "E" Designation for Hazardous Materials Testing. This will require completion of a Phase II Site Investigation (SI) and preparation of a Remedial Action Plan for submittal to the New York City Office of Environmental Remediation (NYCOER) prior to issuance of building permits.
2. Brinkerhoff observed floor drains connected to a possible oil/water separator.
3. Lot 38 was a former Getty gasoline service station which once contained three (3) gasoline underground storage tanks (USTs).
4. A Phase II SI conducted by Environmental Liability Management, LLC (ELM) in 2008 identified Trichloroethene (TCE) and Tetrachloroethene (PCE) in the groundwater and soil vapor. Further investigation was needed to confirm the results obtained by ELM.

Summary of the Work Performed under the Remedial Investigation

The following work has been performed at the site:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);
2. Installed one (1) soil boring and one (1) test pit at the Site and collected four (4) soil samples from the soil borings for chemical analyses to evaluate soil quality;
3. Installed one (1) temporary well point and collected one (1) groundwater sample to investigation the subsurface groundwater quality at the property;
4. Installed five (5) soil vapor/sub-slab sample probes and collected five (5) soil vapor samples for laboratory analysis; and,
5. As part of ELM's investigation, four (4) groundwater monitoring wells were installed and samples collected for laboratory analysis, 47 soil samples were collected for laboratory analysis, and 15 soil vapor samples were collected for laboratory analysis.

Summary of Environmental Findings

1. The general elevation of the subject property is approximately 19 feet above sea level.

2. Depth to groundwater is 10 to 14 feet at the Site.

3. Groundwater flow is generally toward the south beneath the Site, based on topography.

4. Soils at the site consist of medium to fine brown sand and little silt intermixed with little marble gravel, with some brick at 2.5 feet, some wood debris at 4.5-5.0 feet, and green silt and clay at 14.0-14.5 feet.

5. Soil samples collected by ELM indicate no samples exceed Unrestricted Use or Residential Restricted Use SCO for Volatile Organic Compounds (VOCs) and PCBs. SVOCs, especially Poly-Aromatic Hydrocarbons (PAHs), were detected at concentrations exceeding both the Unrestricted Use and Restricted-Residential Use SCO in two soil samples. Pesticides, including 4,4'-DDD (maximum of 8.0 ug/Kg), 4,4'-DDE (maximum of 4.1 ug/Kg) and 4,4'-DDT (maximum of 6.8 ug/Kg), were detected at concentrations exceeding the Unrestricted Use SCO in soil samples from all the borings. Metals, including mercury (maximum of 1.2 mg/kg), lead (ranged from 72.3 mg/kg to 3930 mg/kg), zinc (maximum of 1690 mg/Kg) were detected at concentrations exceeding Unrestricted Use or Residential Restricted Use SCO in thirteen samples. Lead above 1,000 ppm was detected at two sampling locations.

   Soil samples collected by Brinkerhoff Environmental Services, Inc. (Brinkerhoff) indicated that no sample exceeds Unrestricted Use Soil Cleanup Objective (SCO) or Restricted-Residential Use SCO for Semi-volatile Organic Compounds (SVOCs) and polychlorinated biphenyls (PCBs). Methylene Chloride was identified at a concentration of 0.075 mg/kg, exceeding the Unrestricted Use SCO, in one sample from the soil boring. The Pesticides 4,4-DDE and 4,4-DDT were detected exceeding Unrestricted Use SCO in one sample from the test pit. Copper (63.8 mg/kg), Zinc (152 mg/kg), Lead (289 mg/kg to 565 mg/kg), and Mercury (0.264 mg/kg to 1.57 mg/kg) were detected exceeding Unrestricted Use SCO or Restricted-Residential Use SCO in two soil samples. A map showing the well locations is provided as Figure 4 in Appendix III which contains ELM's Figures. A summary of the soil sampling

results is provided in Tables 4 through 8 of Appendix IV which contains ELM's Tables.

6. Groundwater samples collected by ELM identified three VOCs (Chloroform, TCE and PCE) exceeding New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Groundwater Quality Standards (GQS). In addition, five metals (Iron, Magnesium, Manganese, Lead and Sodium) were detected above GQS in groundwater samples.

   Groundwater samples collected by Brinkerhoff showed no VOCs, SVOCs, Pesticides or PCBs at concentration exceeding GQS. Five metals (iron, magnesium, manganese, selenium and sodium) were detected in groundwater samples at concentrations exceeding their respective GQS. Dissolved metals including iron, magnesium, manganese and sodium exceeded GQS.

7. Soil vapor sampling results by ELM reported very high levels of both TCE (ranged from 17 to 280,000 micrograms per cubic meter (ug/m^3)) and PCE (ranged from 45 to 20,000 ug/m^3) that were not consistent with the concentrations of the same compounds detected in both the soil and groundwater beneath the site. Highest levels of TCE and PCE were detected in one soil vapor point SV-14. Due to this inconsistency, Brinkerhoff collected five additional soil vapor samples in 2012.

   In 2012 soil vapor sampling, fifteen (15) VOCs were detected and included tert-butyl alcohol (0.94 ug/m^3), PCE (1.7 ug/m^3), TCE (1.7 ug/m^3), benzene (16.0 ug/m^3), ethylbenzene (maximum of 17 ug/m^3), toluene (52 ug/m^3) and total xylenes (104 ug/m^3). Total VOCs were detected at less than 10 ug/m^3 in any soil vapor sample.

REMEDIAL INVESTIGATION REPORT (RIR)

1.0 SITE BACKGROUND

Azimuth Development Group has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 1.05-acre site located at 247-267 East 142nd Street, 400 Rider Avenue, and 262 East 143rd Street, Bronx, New York. The property is currently operating as a vehicle parking garage. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 247-267 East 142nd Street, 400 Rider Avenue, and 262 East 143rd Street, Bronx, New York, and identified as Block 2334, Lots 38, 39, 40, 41, 43, 45 and 59, on the New York City Tax Map. Refer to Figure 1 - Site Location Map and Figure 2 – Tax Map. The Site is approximately 45,728 square feet and is bounded by the Lincoln Hospital parking garage to the north, residential structures to the east, a baseball field to the south, and light industrial and commercial structures to the west. The site is currently utilized as a vehicle parking garage.

1.2 PROPOSED REDEVELOPMENT PLAN

The Applicant proposes to construct two (2) adjoining six (6)-story buildings with below grade parking, first floor residential and commercial space, and five (5) floors of residential units. The second floor will contain above grade exterior recreational areas in the center of the building. Architectural drawings are provided in Appendix I.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

Based on information contained in the Phase I ESA by Brinkerhoff, the subject site is adjoined to the north (across East 144th Street) by the Lincoln Hospital and Lincoln Hospital parking garage. To the south of the site is a baseball field. Adjacent and to the east of the site are some residential dwellings. Adjacent to the west of the site are light industrial and commercial structures.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

Based on information contained in the Phase I ESA by Brinkerhoff, subject lots 39, 40, and 41 were developed primarily with dwellings from at least 1891 to 2006. Lot 38 was developed with a filling station from the early 1940s until the mid-1970s, after which time it became vacant. Lots 43 and 45 were developed with structures labeled COLUMBIA METAL BOX CO. from the early 1930s until the mid-1970s and became structures labeled AUTO REPAIR since at least 1996. Lot 59 was developed with commercial structures labeled AUTO SERVICE from at least 1935 to 2006.

2.2 PREVIOUS INVESTIGATIONS

The following environmental work plans and reports were developed for the Site:

- *Phase I ESA, dated January 29, 2008, prepared by Environmental Liability Management, LLC (ELM).*
- *Soil, groundwater and soil vapor sampling results, dated December 2008, conducted by ELM.*
- *Phase I ESA, dated March 8, 2012, prepared by Brinkerhoff Environmental Services, Inc. (Brinkerhoff)*

2.3 SITE INSPECTION

Brinkerhoff performed a site inspection of the subject property in order to identify potential recognized environmental conditions which may exist at the site.

Current Operations/Hazardous Materials

At the time of the site visit, the subject property was a parking lot. There were no operations involving the storage or use of hazardous materials observed at the site. In addition, there were no indications of past on-site storage or use of hazardous materials observed.

Drainage Structures

Brinkerhoff observed floor drains connected to a possible oil/water separator during the site visit.

Monitoring Wells

Brinkerhoff observed four (4) groundwater monitoring wells on the property; one of them was covered by concrete.

Petroleum Storage Tanks

Brinkerhoff did not observe evidence of Aboveground Storage Tanks (ASTs) or Underground Storage Tanks (USTs) on the subject properties during the site inspection. Sanborns did identify three (3) gasoline USTs on Lot 38 associated with a former service station that operated in or around the 1940s and 1950s. The lot was previously owned by Getty Oil Co. and is listed as vacant in or around the mid-1970s.

PCBs

Evidence of PCBs was not observed on site at the time of the inspection.

Asbestos-Containing Materials

Brinkerhoff did not observe evidence of Asbestos-Containing Materials.

Lead-Based Paint

Some buildings at the Site were constructed prior to 1891. Therefore, it is possible that Lead-Based Paint exists at the Site.

Potable Water Supply

Potable water is supplied to the area of the subject site through the New York City Municipal water supply system, which obtains water from upstate reservoirs.

2.4 AREAS OF CONCERN (AOCs)

The following AOCs were identified during completion of the Phase I ESA.

1. A review of various databases identified Lots 38, 39, 40, 41, 43, 45 and 59 of Block 2334 contained an “E” Designation for Hazardous Materials Testing. This requires completion of a Phase II SI and preparation of a Remedial Action Plan for submittal to the New York City Office of Environmental Remediation (NYCOER) prior to issuance of building permits.
2. Brinkerhoff observed floor drains connected to a possible oil/water separator.

3. Lot 38 was a former gasoline service station which once contained three gasoline USTs. It could not be confirmed that the USTs had been removed or if any discharge had occurred.

4. A Phase II SI conducted by ELM in 2008 identified TCE and PCE in the groundwater and soil vapor. Further investigation is needed to confirm the soil vapor results reported.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Doug Harm.

3.2 HEALTH AND SAFETY

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and Occupational Safety and Health Administration (OSHA) worker safety requirements and Hazardous Waste Operations and Emergency Response (HAZWOPER) requirements.

3.3 MATERIALS MANAGEMENT

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The following work has been performed at the site:

1. As part of ELM's investigation, four (4) groundwater monitoring wells were installed and samples collected for laboratory analysis, 47 soil samples were collected for laboratory analysis, and 15 soil vapor samples were collected for laboratory analysis.

2. Brinkerhoff conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);

3. Brinkerhoff installed one (1) soil boring and one (1) test pit at the Site and collected four (4) soil samples from the soil borings for chemical analyses to evaluate soil quality;
4. Brinkerhoff installed one (1) temporary well point and collected one (1) groundwater sample to investigation the subsurface groundwater quality at the property;
5. Brinkerhoff installed five (5) soil vapor/sub-slab sample probes and collected five (5) soil vapor samples for laboratory analysis; and,

Sampling performed as part of the field investigation was conducted for all AOCs and other means were considered for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media, including soil, groundwater, and soil vapor, have been sampled and evaluated in the RIR. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

4.1 SOIL

Discrete (grab) samples were collected to determine the nature and extent of contamination and to determine the impact of contaminants on public health and the environment.

On November 19 and 20, 2008, ELM conducted a soil boring and sampling program at the subject site. A total of 25 soil borings were installed, with two (2) soil samples retained for laboratory analysis at most locations. One (1) soil sample was collected from the shallow sediments, between one (1) foot below grade and four (4) feet below grade. One (1) soil sample was also collected from the deeper sediment horizon, at a depth of between six (6) and eight (8) feet below grade.

On February 29, 2012, Brinkerhoff installed one (1) soil boring (SB-1) at the site. This boring was installed in the southern portion of the parcel in a vacant area where ELM had not previously collected samples. Soil samples were collected at the 0-to-2 foot below grade level and at 10.5 foot below grade level, which corresponded to the top of the groundwater table. The soil samples were designated S1-A and S-1B. The samples were submitted to a New York State Department of Health (NYSDOH) certified laboratory for analyses.

On March 8, 2012, Brinkerhoff excavated one (1) test pit (TP-1) at the southernmost corner of the property. The test pit was installed to confirm no USTs in the location of the former gasoline service station and confirm no discharge from the former USTs. Two (2) soil samples were collected. One sample was collected at the 0-to-2 foot below grade interval and the second sample was collected just above the groundwater table at 13 feet below grade. Soil samples were designated TP-1A and TP-1B, respectively. Samples were field screened for volatile organic vapors using an organic vapor meter (OVM). Soil logs for the borings and test pits are provided in Appendix II. No visual or olfactory evidence of petroleum contamination was identified in any of the soil samples.

Soil Results

Soil samples collected by ELM indicate no samples exceed Unrestricted Use or Residential Restricted Use SCO for Volatile Organic Compounds (VOCs) and PCBs. SVOCs, especially Poly-Aromatic Hydrocarbons (PAHs), were detected at concentrations exceeding both the Unrestricted Use and Restricted-Residential Use SCO in two soil samples. Pesticides, including 4,4'-DDD (maximum of 8.0 ug/Kg), 4,4'-DDE (maximum of 4.1 ug/Kg) and 4,4'-DDT (maximum of 6.8 ug/Kg), were detected at concentrations exceeding the Unrestricted Use SCO in soil samples from all the borings. Metals, including mercury (maximum of 1.2 mg/kg), lead (ranged from 72.3 mg/kg to 3930 mg/kg), zinc (maximum of 1690 mg/Kg) were detected at concentrations exceeding Unrestricted Use or Residential Restricted Use SCO in thirteen samples. Lead above 1,000 ppm was detected at two sampling locations.

Soil samples collected by Brinkerhoff Environmental Services, Inc. (Brinkerhoff) indicated that no sample exceeds Unrestricted Use Soil Cleanup Objective (SCO) or Restricted-Residential Use SCO for Semi-volatile Organic Compounds (SVOCs) and polychlorinated biphenyls (PCBs). Methylene Chloride was identified at a concentration of 0.075 mg/kg, exceeding the Unrestricted Use SCO, in one sample from the soil boring. Methylene Chloride is a common laboratory contaminant and, thus, is likely the result of the laboratory and not site conditions. The Pesticides 4,4-DDE and 4,4-DDT were detected exceeding Unrestricted Use SCO in one sample from the test pit. Copper (63.8 mg/kg), zinc (152 mg/kg), lead (289 mg/kg to 565 mg/kg), and mercury (0.264 mg/kg to 1.57 mg/kg) were detected exceeding Unrestricted Use SCO or Restricted-Residential Use SCO in two soil samples. A map showing the well locations

is provided as Figure 4 in Appendix III which contains ELM's Figures. A summary of the soil sampling results is provided in Tables 4 through 8 of Appendix IV which contains ELM's Tables.

4.2 GROUNDWATER

On December 19, 2008, four (4) groundwater monitoring wells were installed and sampled by ELM. A map showing the well locations is provided as Figure 5 (in Appendix III). A summary of the groundwater sampling results is provided in Tables 9 through 13 (Appendix IV).

On February 29, 2012, Brinkerhoff installed a temporary well point (TWP-1) using a temporary screen with the Geoprobe drill rig. Groundwater was encountered at approximately 10 feet below surface grade in the soil boring. One groundwater sample was obtained from the temporary well point utilizing an inertial pump consisting of a stainless steel check valve and ball. The inertial pump was fitted with dedicated polyethylene tubing, which allowed the groundwater to be brought up to the ground surface for collection. The groundwater sample was placed into two (2) pre-cleaned 40- milliliter vials, two (2) one-liter ambers, and three (3) plastic jars for metal analysis. The sample was submitted to the State-certified laboratory for analysis. Table 2 in the Tables Section of the RIR presents a summary of the groundwater sampling results and a comparison to NYSDEC TOGS 1.1.1 GQS. The complete laboratory data tables are provided in Appendix VI. The location of the groundwater sample is shown on Figure 3.

Groundwater Results

Groundwater samples collected by ELM identified three VOCs (Chloroform, TCE and PCE) exceeding New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Groundwater Quality Standards (GQS). In addition, five metals (Iron, Magnesium, Manganese, Lead and Sodium) were detected above GQS in groundwater samples.

Groundwater samples collected by Brinkerhoff showed no VOCs, SVOCs, Pesticides or PCBs at concentration exceeding GQS. Five metals (iron, magnesium, manganese, selenium and sodium) were detected in groundwater samples at concentrations exceeding their respective GQS. Dissolved metals including iron, magnesium, manganese and sodium exceeded GQS.

4.3 SOIL VAPOR

A soil vapor investigation was completed at the site by ELM on December 17, 2008. Soil vapor sampling results by ELM reported levels of both TCE and PCE that were not consistent with the concentrations of the same compounds detected in both the soil and groundwater beneath the site. Due to this inconsistency, Brinkerhoff collected additional soil vapor samples.

On February 29, 2012, Brinkerhoff conducted a soil vapor investigation at the site. The vapor intrusion survey was performed in accordance with guidelines provided in the NYSDOH's vapor intrusion guidance document. The survey included the collection of five (5) soil vapor samples from soil vapor probes installed at the locations shown on Figure 3.

Soil vapor samples were collected from five (5) vapor probes installed using a Geoprobe drill rig. Sample depths of soil vapor SV-1 to SV-5 range from six (6) to nine (6) feet below grade, depending on the depth of groundwater. Since groundwater was encountered above the projected depth of the proposed cellar, vapor probe samples were collected above the groundwater table. Samples were collected using 6-liter batch-certified Summa canisters, each equipped with a vacuum gauge and flow regulator set to collect a 6-liter sample over a 3-hour sampling period, which corresponds to a flow rate of approximately 25 milliliters per minute. Soil vapor sampling locations are shown on Figure 3. Soil vapor sampling logs are provided in Appendix VII.

Soil Vapor Results

Soil vapor sampling results by ELM reported very high levels of both TCE (ranged from 17 to 280,000 micrograms per cubic meter (ug/m^3)) and PCE (ranged from 45 to 20,000 ug/m^3) that were not consistent with the concentrations of the same compounds detected in both the soil and groundwater beneath the site. Highest levels of TCE and PCE were detected in one soil vapor point SV-14. Due to this inconsistency, Brinkerhoff collected five additional soil vapor samples in 2012.

In 2012 soil vapor sampling, fifteen (15) VOCs were detected and included tert-butyl alcohol (0.94 ug/m^3), PCE (1.7 ug/m^3), TCE (1.7 ug/m^3), benzene (16.0 ug/m^3), ethylbenzene (maximum of 17 ug/m^3), toluene (52 ug/m^3) and total xylenes (104 ug/m^3). Total VOCs were detected at less than 10 ug/m^3 in any soil vapor sample.

Soil vapor sample collection data are reported in Table 3 in the Table Section of the RIR. NYSDOH guidance information for evaluating soil vapor matrices is presented in Table 4. The laboratory data package is provided in Appendix VIII.

4.4 CHEMICAL ANALYSES

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Isabel Su/Environment Engineer.
Chemical Analytical Laboratory	Soil and groundwater chemical analyses were performed by Accredited Analytical Resources, LLC. (NYSDOH ELAP certified), and soil vapor chemical analyses were performed by Integrated Analytical Laboratories, LLC (NYS ELAP certified).
Chemical Analytical Methods	Soil analytical methods: • Target Analyte (TAL) Metals by EPA Method 6010C • VOCs by EPA Method 8260 • SVOCs by EPA Method 8270BN • Pesticides by EPA Method 8081 • PCBs by EPA Method 8082 Groundwater analytical methods: • TAL Metals by EPA Method 6010C • VOCs by EPA Method 8260 • SVOCs by EPA Method 8270BN • Pesticides by EPA Method 8081 • PCBs by EPA Method 8082 Soil vapor analytical methods • VOCs by TO-15 VOC parameters

5.0 CONCLUSIONS

Brinkerhoff performed a Remedial Investigation for the site identified as 400 Rider Avenue, Bronx, New York. A previous Phase I ESA had identified the following recognized environmental conditions in connection with the property:

- A review of various databases identified Lots 38, 39, 40, 41, 43, 45 and 59 of Block 2334 contained an "E" Designation for Hazardous Materials Testing. This will require completion of a Phase II SI and preparation of a Remedial Action Plan for submittal to the NYCOER prior to issuance of building permits.
- Brinkerhoff observed floor drains connected to a possible oil/water separator.
- Lot 38 was a former gasoline service station which once contained three (3) gasoline USTs.
- A Phase II SI conducted by ELM in 2008 identified TCE and PCE in the groundwater and soil vapor. Soil vapor sampling results by ELM reported levels of both TCE and PCE that were not consistent with the concentrations of the same compounds detected in both the soil and groundwater beneath the site. Due to this inconsistency, Brinkerhoff collected additional soil vapor samples.
- In 2008, ELM conducted a remedial investigation and, in 2012, Brinkerhoff supplemented the environmental testing completed by ELM. The results of the two investigations indicate PAHs, pesticides, and metals in soil over the Restricted Residential SCO. These contaminants were present in the shallow sediments, suggesting urban historic fill as the source. VOCs such as TCE and PCE were present in the groundwater. Brinkerhoff's investigation of the soil vapor identified these and other VOCs in the soil vapor medium, but not at levels requiring mitigation as outlined in Table 4 but rather at monitoring levels.

The proposed remedial plan is presented in the Remedial Action Work Plan submitted as a separate document.

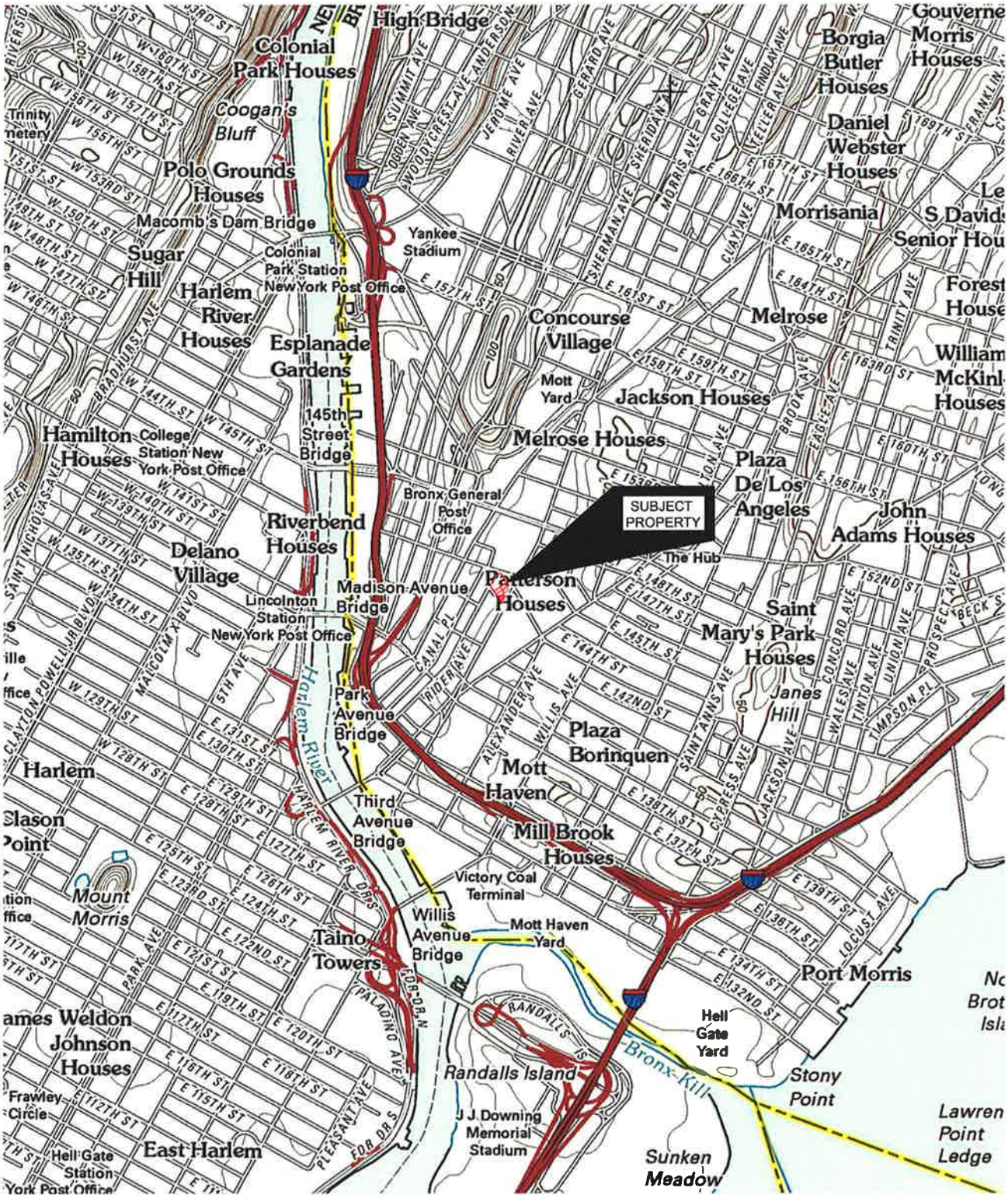
5.1 PRIOR ACTIVITY

Based on an evaluation of the data and information from the RIR, disposal of significant quantities of hazardous waste is not anticipated at this site.

5.2 IMPEDIMENTS TO REMEDIAL ACTION

There are no known impediments to remedial action at this property.

Figures



U.S.G.S. TOPOGRAPHIC CENTRAL PARK, NY QUAD
SCALE: 1 : 24,000
PHOTO REVISED: 2011

0' 1000' 2000'

SCALE: 1"=2000'

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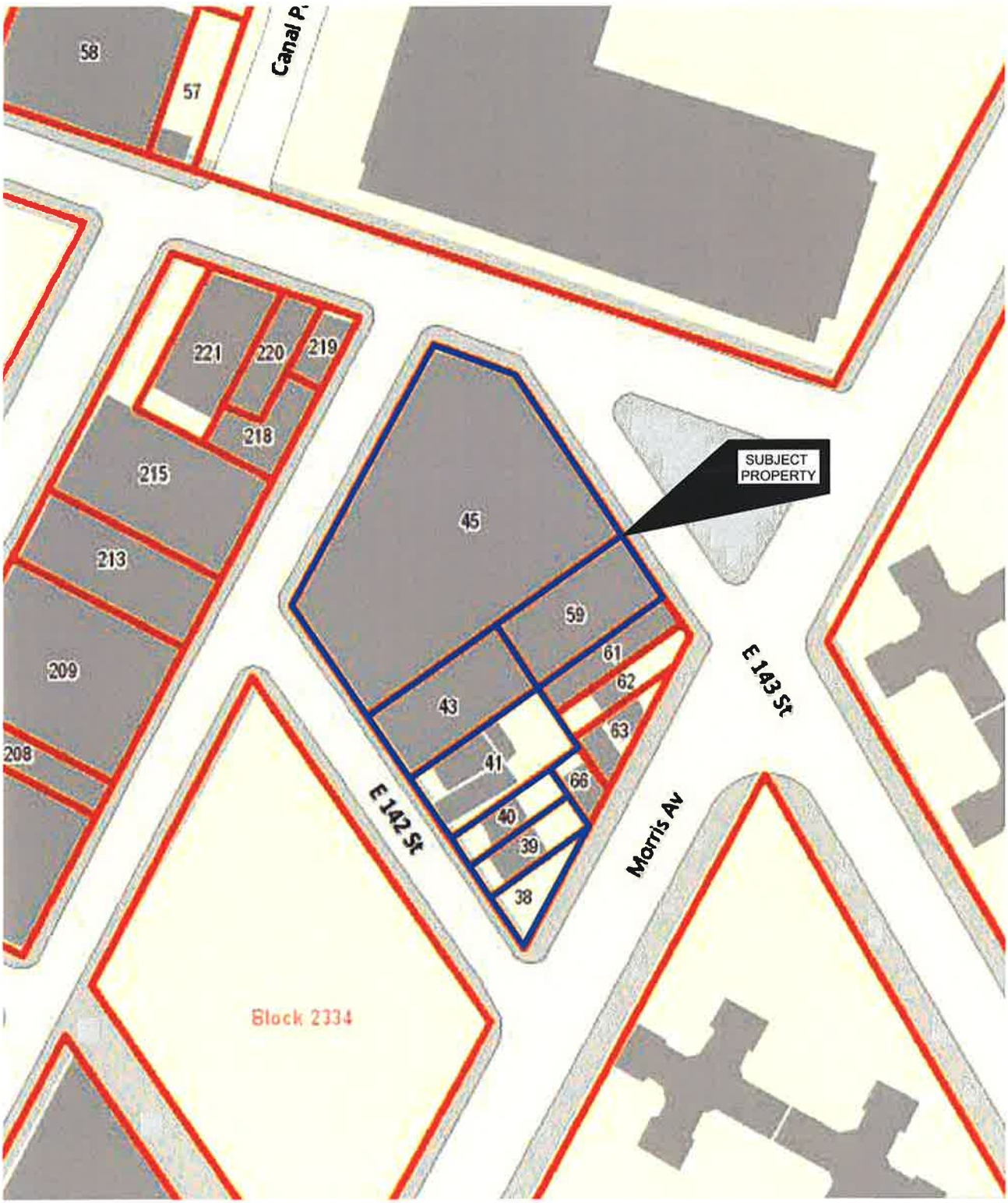
ENVIRONMENTAL SERVICES, INC.

FIGURE 1 - SITE LOCATION MAP
247-267 EAST 142 STREET, 400 RIDER AVENUE &
262 EAST 143 STREET - BLOCK 2334,
LOTS 38, 39, 40, 41, 43, 45 & 59
BRONX, NEW YORK

DATE: 3/29/12	JOB NO.: 10BR020	SCALE: 1" = 2000'



0′ 50′ 100′

SCALE: 1"=100′

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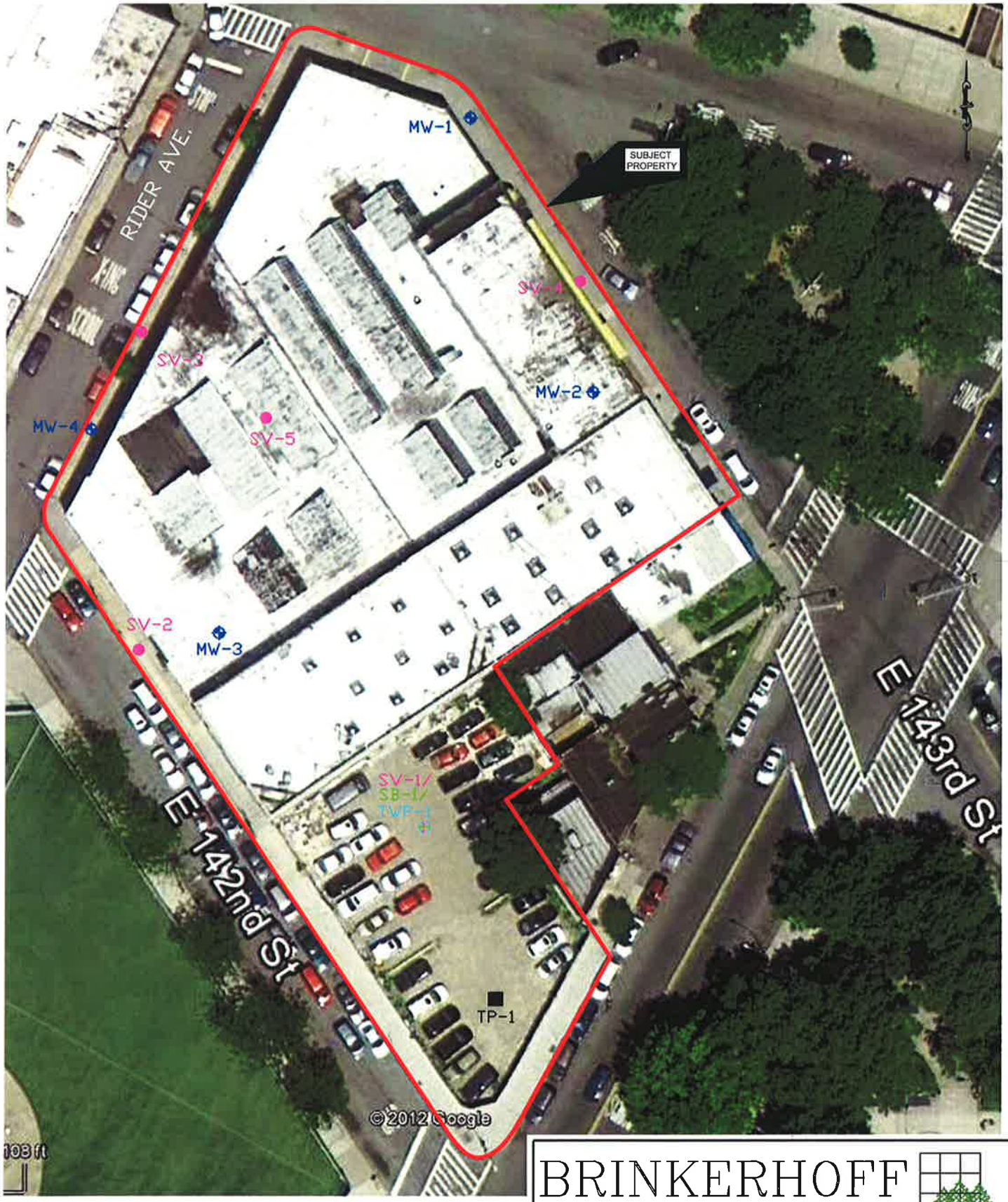
ENVIRONMENTAL SERVICES, INC.

FIGURE 2 - TAX MAP
247-267 EAST 142 STREET, 400 RIDER AVENUE &
262 EAST 143 STREET - BLOCK 2334,
LOTS 38, 39, 40, 41, 43, 45 & 59
BRONX, NEW YORK

DATE: 3/29/12	JOB NO.: 10BR020	SCALE: 1" = 100′



LEGEND

MW-1 - MONITORING WELL LOCATION MAP

SV-3 - SOIL VAPOR SAMPLE LOCATION

TP-1 - TEST PIT SOIL SAMPLE LOCATION

SV-1/SB-1/TWP-1/ - SOIL VAPOR/SOIL/TEMPORARY WELL POINT SAMPLE LOCATION

0' 25' 50'

SCALE: 1"=50'

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 3 - SAMPLE LOCATION MAP
247-267 EAST 142 STREET, 400 RIDER AVENUE &
262 EAST 143 STREET - BLOCK 2334,
LOTS 38, 39, 40, 41, 43, 45 & 59
BRONX, NEW YORK

DATE: 3/29/12	JOB NO.: 10BR020	SCALE: 1" = 50'

Table 1 Soil Sample Results Summary

ALL CONCENTRATIONS IN MG/KG, MG/L or UG/G (Case - 1565
NYSDEC Sub Part 375 - 6.8(b): Restricted Use Soil Cleanup Objectives

Client: Brinkerhoff Enviro. Srvs - 400 Rider Street

CAS #	Contaminant	Restr. Res.	Unrestricted	Result Qualifier 1201593 S1-A 02/29/12	Result Qualifier 1201594 S-1B 02/29/12	Result Qualifier 1201901 TP-1A 03/08/12	Result Qualifier 1201902 TP-1B 03/08/12
Volatile Analyte (mg/kg)							
78-93-3	Acrolein	NA	NA	0.0068 U	0.0066 U	0.0068 U	0.0068 U
107-13-1	Acrylonitrile	NA	NA	0.0023 U	0.0022 U	0.0022 U	0.0022 U
67-64-1	Acetone	100	0.05	**0.05**	**0.013**	**0.02**	**0.035**
71-43-2	Benzene	4.8	0.06	0.0011 U	0.0011 U	0.0011 U	0.0011 U
74-97-5	Bromochloromethane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
75-27-4	Bromodichloromethane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
75-25-2	Bromoform	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
74-83-9	Bromomethane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
78-93-3	2-Butanone (Methyl ethyl ketone)	100	0.12	0.0011 U	0.0011 U	0.0011 U	0.0011 U
75-15-0	Carbon disulfide	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
56-23-5	Carbon Tetrachloride	2.4	0.76	0.0011 U	0.0011 U	0.0011 U	0.0011 U
108-90-7	Chlorobenzene	100	1.1	0.0011 U	0.0011 U	0.0011 U	0.0011 U
75-00-3	Chloroethane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
67-66-3	Chloroform	49	0.37	0.0011 U	0.0011 U	**0.0015** J	0.0011 U
74-87-3	Chloromethane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
110-82-7	Cyclohexane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
124-48-1	Dibromochloromethane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
96-12-8	1,2-Dibromo-3-Chloropropane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
106-93-4	1,2-Dibromoethane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
95-50-1	1,2-Dichlorobenzene	100	1.1	0.0011 U	0.0011 U	0.0011 U	0.0011 U
541-73-1	1,3-Dichlorobenzene	49	2.4	0.0011 U	0.0011 U	0.0011 U	0.0011 U
106-46-7	1,4-Dichlorobenzene	13	1.8	0.0011 U	0.0011 U	0.0011 U	0.0011 U
75-34-3	1,1-Dichloroethane	26	0.27	0.0011 U	0.0011 U	0.0011 U	0.0011 U
75-35-4	1,1-Dichloroethene	100	0.33	0.0011 U	0.0011 U	0.0011 U	0.0011 U
107-06-2	1,2-Dichloroethane	3.1	0.02	0.0011 U	0.0011 U	0.0011 U	0.0011 U
156-59-2	cis-1,2-Dichloroethene	100	0.25	0.0011 U	0.0011 U	0.0011 U	0.0011 U
156-60-5	trans-1,2-Dichloroethene	100	0.19	0.0011 U	0.0011 U	0.0011 U	0.0011 U
75-71-8	Dichlorodifluoromethane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
78-87-5	1,2-Dichloropropane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
542-75-6	1,3-Dichloropropene (cis + trans)	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
100-41-4	Ethylbenzene	41	1	0.0011 U	0.0011 U	0.0011 U	0.0011 U
76-13-1	Freon-113	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
591-78-6	2-Hexanone	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
98-82-8	Isopropylbenzene	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
79-20-9	Methyl Acetate	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
75-09-2	Methylene Chloride	100	0.05	**0.013** B	**0.033** B	**0.075** B	**0.02** B
108-87-2	Methylcyclohexane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
108-10-1	4-Methyl-2-Pentanone	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1634-04-4	Methyl tert-butyl ether	100	0.93	0.0023 U	0.0022 U	0.0022 U	0.0022 U
100-42-5	Styrene	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
75-65-0	T-butyl alcohol	NA	NA	0.0057 U	0.0055 U	0.0056 U	0.0056 U
127-18-4	Tetrachloroethene	19	1.3	0.0011 U	0.0011 U	0.0011 U	0.0011 U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
108-88-3	Toluene	100	0.7	0.0011 U	0.0011 U	0.0011 U	0.0011 U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
71-55-6	1,1,1-Trichloroethane	100	0.68	0.0011 U	0.0011 U	0.0011 U	0.0011 U
79-00-5	1,1,2-Trichloroethane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
79-01-6	Trichloroethene	21	0.47	0.0011 U	0.0011 U	0.0011 U	0.0011 U
75-69-4	Trichlorofluoromethane	NA	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U
75-01-4	Vinyl Chloride	0.9	0.02	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1330-20-7	*Xylenes (total = o +m/p)*	100	0.26	0.0023 U	0.0022 U	0.0022 U	0.0022 U
126777-61-2	m/p-Xylenes	*		0.0023 U	0.0022 U	0.0022 U	0.0022 U
95-47-6	o-Xylene	*		0.0023 U	0.0022 U	0.0022 U	0.0022 U
999-99-1	Total Confident Conc. VOC			**0.063**	**0.046**	**0.0965**	**0.055**
999-99-2	Total TICs						
SemiVolatile Analyte (mg/kg)							
83-32-9	Acenaphthene	100	20	0.0379 U	0.0367 U	0.0375 U	0.0376 U
208-96-8	Acenaphthylene	100	100	0.0379 U	0.0367 U	0.0375 U	**0.0595** J
98-86-2	Acetophenone	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
120-12-7	Anthracene	100	100	**0.074** J	0.0367 U	0.0375 U	**0.115** J
1912-24-9	Atrazine	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
100-52-7	Benzaldehyde	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
92-87-5	Benzidine	NA	NA	0.0948 U	0.0917 U	0.0938 U	0.094 U
56-55-3	Benzo(a)anthracene	1	1	**0.262**	0.0367 U	0.0375 U	**0.498**
50-32-8	Benzo(a)pyrene	1	1	**0.258**	0.0367 U	0.0375 U	**0.453**
205-99-2	Benzo(b)fluoranthene	1	1	**0.304**	0.0367 U	0.0375 U	**0.572**
191-24-2	Benzo(g,h,i)perylene	100	100	**0.0873** J	0.0367 U	0.0375 U	**0.166** J
207-08-9	Benzo(k)fluoranthene	3.9	0.8	**0.273**	0.0367 U	0.0375 U	**0.497**
92-52-4	1,1'-Biphenyl	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
111-91-1	bis(2-Chloroethoxy)methane	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
111-44-4	bis(2-Chloroethyl)ether	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
108-60-1	Bis(2-chloroisopropyl)ether	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U

Table 1 Soil Sample Results Summary

ALL CONCENTRATIONS IN MG/KG, MG/L or UG/G (Case - 1565
NYSDEC Sub Part 375 - 6.8(b): Restricted Use Soil Cleanup Objectives

Client: Brinkerhoff Enviro. Srvs - 400 Rider Street

CAS #	Contaminant	Restr. Res.	Unrestricted	Result Qualifier 1201593 S1-A 02/29/12	Result Qualifier 1201594 S-1B 02/29/12	Result Qualifier 1201901 TP-1A 03/08/12	Result Qualifier 1201902 TP-1B 03/08/12
117-81-7	bis(2-Ethylhexyl)phthalate	NA	NA	**0.314**	0.0367 U	0.0375 U	**0.0618** J
101-55-3	4-Bromophenyl-phenylether	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
85-68-7	Butylbenzylphthalate	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
105-60-2	Caprolactam	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
86-74-8	Carbazole	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
106-47-8	4-Chloroaniline	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
91-58-7	2-Chloronaphthalene	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
95-57-8	2-Chlorophenol	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
59-50-7	4-Chloro-3-methylphenol	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
218-01-9	Chrysene	3.9	1	**0.367**	0.0367 U	0.0375 U	**0.671**
84-74-2	Di-n-butylphthalate	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
53-70-3	Dibenz(a,h)anthracene	0.33	0.33	**0.0454** J	0.0367 U	0.0375 U	**0.0608** J
132-64-9	Dibenzofuran	59	7	0.0379 U	0.0367 U	0.0375 U	0.0376 U
91-94-1	3,3-Dichlorobenzidine	NA	NA	0.0948 U	0.0917 U	0.0938 U	0.094 U
120-83-2	2,4-Dichlorophenol	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
84-66-2	Diethylphthalate	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
131-11-3	Dimethylphthalate	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
105-67-9	2,4-Dimethylphenol	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
25321-14-6	Dinitrotoluene (2,4-/2,6- mixture)	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
121-14-2	2,4-Dinitrotoluene	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
606-20-2	2,6-Dinitrotoluene	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
51-28-5	2,4-Dinitrophenol	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
117-84-0	Di-n-octyl phthalate	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
122-66-7	1,2-Diphenylhydrazine	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
206-44-0	Fluoranthene	100	100	**0.502**	0.0367 U	0.0375 U	**0.697**
86-73-7	Fluorene	100	30	0.0379 U	0.0367 U	0.0375 U	0.0376 U
118-74-1	Hexachlorobenzene	1.2	0.33	0.0379 U	0.0367 U	0.0375 U	0.0376 U
87-68-3	Hexachlorobutadiene	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
77-47-4	Hexachlorocyclopentadiene	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
67-72-1	Hexachloroethane	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
193-39-5	Indeno(1,2,3-cd)pyrene	0.5	0.5	**0.094** J	0.0367 U	0.0375 U	**0.159** J
78-59-1	Isophorone	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
91-57-6	2-Methylnaphthalene	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
95-48-7	2-Methylphenol	100	0.33	0.0379 U	0.0367 U	0.0375 U	0.0376 U
106-44-5	3&4 Methylphenol	100	0.33	0.0379 U	0.0367 U	0.0375 U	0.0376 U
91-20-3	Naphthalene	100	12	0.0379 U	0.0367 U	0.0375 U	0.0376 U
88-74-4	2-Nitroaniline	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
88-75-5	2-Nitrophenol	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
99-09-2	3-Nitroaniline	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
100-01-6	4-Nitroaniline	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
98-95-3	Nitrobenzene	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
100-02-7	4-Nitrophenol	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
62-75-9	N-Nitrosodimethylamine	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
86-30-6	N-Nitrosodiphenylamine	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
87-86-5	Pentachlorophenol	6.7	0.8	0.0379 U	0.0367 U	0.0375 U	0.0376 U
85-01-8	Phenanthrene	100	100	**0.363**	0.0367 U	0.0375 U	**0.526**
108-95-2	Phenol	100	0.33	0.0379 U	0.0367 U	0.0375 U	0.0376 U
129-00-0	Pyrene	100	100	**0.582**	0.0367 U	0.0375 U	**1.12**
95-94-3	1,2,4,5-Tetrachlorobenzene	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
58-90-2	2,3,4,6-Tetrachlorophenol	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
95-95-4	2,4,5-Trichlorophenol	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
88-06-2	2,4,6-Trichlorophenol	NA	NA	0.0379 U	0.0367 U	0.0375 U	0.0376 U
999-99-3	Total Confident Conc. SVOC			**3.5257**			**5.6561**
999-99-4	Total Confident Conc. PAH's						
999-99-5	Total TICs						

Table 1 Soil Sample Results Summary

ALL CONCENTRATIONS IN MG/KG, MG/L or UG/G (Case - 1565 NYSDEC Sub Part 375 - 6.8(b): Restricted Use Soil Cleanup Objectives				Result Qualifier 1201593	Result Qualifier 1201594	Result Qualifier 1201901	Result Qualifier 1201902
Client: Brinkerhoff Enviro. Srvs - 400 Rider Street				S1-A	S-1B	TP-1A	TP-1B
CAS #	Contaminant	Restr. Res.	Unrestricted	02/29/12	02/29/12	03/08/12	03/08/12
Pesticide Compounds (mg/kg)							
309-00-2	Aldrin	0.097	0.005	0.00076 U	0.00073 U	0.00075 U	0.00075 U
319-84-6	alpha-BHC	0.48	0.02	0.00076 U	0.00073 U	0.00075 U	0.00075 U
319-85-7	beta-BHC	0.36	0.036	0.00076 U	0.00073 U	0.00075 U	0.00075 U
319-86-8	delta-BHC	100	0.04	0.00076 U	0.00073 U	0.00075 U	0.00075 U
xxxx-xx-01	Chlordane, Total (Alpha & Gamma)	NA	NA	**0.0044**	0.00073 U	**0.0029**	0.00075 U
5103-71-9	alpha-Chlordane	4.2	0.094	**0.0044** P	0.00073 U	**0.0029** P	0.00075 U
72-55-9	gamma-Chlordane	NA	NA	0.00076 U	0.00073 U	0.00075 U	0.00075 U
72-54-8	4,4-DDD	13	0.0033	0.00152 U	0.00147 U	0.0015 U	0.0015 U
72-55-9	4,4-DDE	8.9	0.0033	**0.00493**	0.00147 U	0.0015 U	0.0015 U
50-29-3	4,4-DDT	7.9	0.0033	**0.0218** P	0.00147 U	0.0015 U	0.0015 U
60-57-1	Dieldrin	0.2	0.005	**0.00201**	0.00147 U	0.0015 U	0.0015 U
115-29-7	Endosulfan	NA	NA	0.00076 U	0.00073 U	0.00075 U	0.00075 U
959-98-8	Endosulfan I	24	2.4	0.00076 U	0.00073 U	0.00075 U	0.00075 U
33213-65-9	Endosulfan II	24	2.4	0.00152 U	0.00147 U	0.0015 U	0.0015 U
1031-07-8	Endosulfan Sulfate	24	2.4	0.00152 U	0.00147 U	0.0015 U	0.0015 U
72-20-8	Endrin	11	0.014	0.00152 U	0.00147 U	0.0015 U	0.0015 U
7421-93-4	Endrin aldehyde	NA	NA	0.00152 U	0.00147 U	0.0015 U	0.0015 U
53494-70-5	Endrin Ketone	NA	NA	0.00152 U	0.00147 U	0.0015 U	0.0015 U
58-89-9	gamma-BHC (Lindane)	1.3	0.1	0.00076 U	0.00073 U	0.00075 U	0.00075 U
76-44-8	Heptachlor	2.1	0.042	0.00076 U	0.00073 U	0.00075 U	0.00075 U
1024-57-3	Heptachlor epoxide	NA	NA	0.00076 U	0.00073 U	0.00075 U	0.00075 U
72-43-5	Methoxychlor	NA	NA	0.00758 U	0.00733 U	0.0075 U	0.0075 U
8001-35-2	Toxaphene	NA	NA	0.0379 U	0.0367 U	0.038 U	0.038 U
999-99-6	Total Pesticides			**0.07751**		**0.0029**	
PolyChlorinated Phenols (PCB's) (mg/kg)							
1336-36-3	Polychlorinated Biphenyls (PCBs)	1	0.1	0.019 U	0.0183 U	0.019 U	0.019 U
12674-11-2	Aroclor-1016	~	~	0.019 U	0.0183 U	0.019 U	0.019 U
11104-28-2	Aroclor-1221	~	~	0.019 U	0.0183 U	0.019 U	0.019 U
11141-16-5	Aroclor-1232	~	~	0.019 U	0.0183 U	0.019 U	0.019 U
53469-21-9	Aroclor-1242	~	~	0.019 U	0.0183 U	0.019 U	0.019 U
12672-29-6	Aroclor-1248	~	~	0.019 U	0.0183 U	0.019 U	0.019 U
11097-69-1	Aroclor-1254	~	~	0.019 U	0.0183 U	0.019 U	0.019 U
11096-82-5	Aroclor-1260	~	~	0.019 U	0.0183 U	0.019 U	0.019 U
Metals (mg/kg)							
7429-90-5	Aluminum	NA	NA	**6940**	**5520**	**10400**	**9620**
7440-36-0	Antimony	NA	NA	**3.32**	1.65 U	1.69 U	1.69 U
7440-38-2	Arsenic	16	13	**4.06**	1.1 U	**2.73**	1.13 U
7440-39-3	Barium	400	350	**163**	**50.7**	**187**	**35.2**
7440-41-7	Beryllium	72	7.2	**0.47**	**0.627**	**0.569**	**2.32**
7440-43-9	Cadmium	4.3	2.5	**0.301**	0.275 U	**0.537**	0.282 U
7440-70-2	Calcium	NA	NA	**44700**	**53400**	**19700**	**102000**
7440-47-3	Chromium	NA	NA	**34.1**	**11.3**	**23.6**	**12.2**
7440-48-4	Cobalt	NA	NA	**7.96**	**8.75**	**12.3**	**7.67**
7440-50-8	Copper	270	50	**63.8**	**27.3**	**48.3**	**22.5**
7439-92-1	Iron	NA	NA	**15500**	**12200**	**20500**	**14000**
7439-92-1	Lead	400	63	**565**	**6**	**289**	2.82 U
7439-95-4	Magnesium	NA	NA	**11900**	**30500**	**14200**	**75900**
7439-96-5	Manganese	2000	1600	**295**	**332**	**444**	**330**
7439-97-6	Mercury	0.81	0.18	**1.57**	0.11 U	**0.264**	0.113 U
7440-02-0	Nickel	310	30	**15.5**	**14.1**	**22.6**	**12.5**
7440-09-7	Potassium	NA	NA	**2450**	**3150**	**4190**	**2670**
7782-49-2	Selenium	180	3.9	1.14 U	1.1 U	**1.13**	1.13 U
7440-22-4	Silver	180	2	**0.348**	0.275 U	**1.68**	0.282 U
7440-23-5	Sodium	NA	NA	**307**	**220**	**410**	**256**
7440-28-0	Thallium	NA	NA	1.14 U	1.1 U	1.13 U	1.13 U
7440-62-2	Vanadium	NA	NA	**21.6**	**18.2**	**32**	**16.9**
7440-66-6	Zinc	10000	109	**152**	**45.2**	**235**	**32.2**
Other							
xxxx-xx-02	Solids, **Percent**	NA	NA	**87.9**	**90.9**	**88.8**	**88.7**
57-12-5	Cyanide, Total **(mg/kg)**	27	27	1.14 U	1.1 U	1.13 U	1.13 U

Qualifiers:

Red - indicates result exceed the Unrestricted Use Soil Cleanup Objective

indicates result exceed the Restricted-Residential Use Soil Cleanup Objective

B - Analyte detected in laboratory blank

J - Estimated value

U - Analyte was not detected at or above the reporting limit.

P - This flag is used for a pesticide/aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported.

Table 2
Groundwater Sample Results Summary

ALL CONCENTRATIONS IN UG/L (PPB)	Case - 1564		Result Qualifier	Result Qualifier
NYSDEC Ground Water Quality Standards Part 703			1201592	1201592
Client: Brinkerhoff Environmental - 400 Rider Street			TWP-1	TWP-1 (Dissolved Metals)
CAS #	Contaminant	NYDECGWQS	02/28/12	02/28/12
Volatile Analyte (UG/L)				
107-02-8	Acrolein	~	6 U	~ ~
107-13-1	Acrylonitrile	~	2 U	~ ~
67-64-1	Acetone	50	**1.7**	~ ~
71-43-2	Benzene	1	0.5 U	~ ~
74-97-5	Bromochloromethane	5	0.5 U	~ ~
75-27-4	Bromodichloromethane	50	0.5 U	~ ~
75-25-2	Bromoform	50	0.5 U	~ ~
74-83-9	Bromomethane	5	0.5 U	~ ~
78-93-3	2-Butanone (Methyl ethyl ketone)	50	0.5 U	~ ~
75-15-0	Carbon disulfide	~	0.4 U	~ ~
56-23-5	Carbon Tetrachloride	5	0.5 U	~ ~
108-90-7	Chlorobenzene	5	0.5 U	~ ~
75-00-3	Chloroethane	5	0.5 U	~ ~
67-66-3	Chloroform	7	0.5 U	~ ~
74-87-3	Chloromethane	~	0.5 U	~ ~
110-82-7	Cyclohexane	~	0.5 U	~ ~
124-48-1	Dibromochloromethane	50	0.5 U	~ ~
96-12-8	1,2-Dibromo-3-Chloropropane	0.04	0.5 U	~ ~
106-93-4	1,2-Dibromoethane	~	0.5 U	~ ~
95-50-1	1,2-Dichlorobenzene	3	0.5 U	~ ~
541-73-1	1,3-Dichlorobenzene	3	0.5 U	~ ~
106-46-7	1,4-Dichlorobenzene	3	0.5 U	~ ~
75-34-3	1,1-Dichloroethane	5	0.4 U	~ ~
75-35-4	1,1-Dichloroethene	5	0.4 U	~ ~
107-06-2	1,2-Dichloroethane	0.6	0.5 U	~ ~
156-59-2	cis-1,2-Dichloroethene	5	0.5 U	~ ~
156-60-5	trans-1,2-Dichloroethene	5	0.4 U	~ ~
75-71-8	Dichlorodifluoromethane	5	0.5 U	~ ~
78-87-5	1,2-Dichloropropane	1	0.5 U	~ ~
542-75-6	*1,3-Dichloropropene (cis + trans)*	*0.4*	0.5 U	~ ~
10061-01-5	cis-1,3-Dichloropropene	0.4	0.5 U	~ ~
10061-02-6	trans-1,3-Dichloropropene	0.4	0.5 U	~ ~
100-41-4	Ethylbenzene	5	0.5 U	~ ~
76-13-1	Freon-113	~	0.5 U	~ ~
591-78-6	2-Hexanone	50	0.5 U	~ ~
98-82-8	Isopropylbenzene	5	0.5 U	~ ~
79-20-9	Methyl Acetate	~	0.4 U	~ ~
75-09-2	Methylene Chloride	5	0.4 U	~ ~
108-87-2	Methylcyclohexane	~	0.5 U	~ ~
108-10-1	4-Methyl-2-Pentanone	~	0.5 U	~ ~
1634-04-4	Methyl tert-butyl ether	~	1 U	~ ~
100-42-5	Styrene	5	0.5 U	~ ~
75-65-0	T-butyl alcohol	~	0.5 U	~ ~
127-18-4	Tetrachloroethene	5	**0.53** J	~ ~
79-34-5	1,1,2,2-Tetrachloroethane	5	0.5 U	~ ~
108-88-3	Toluene	5	0.5 U	~ ~
87-61-6	1,2,3-Trichlorobenzene	5	0.5 U	~ ~
120-82-1	1,2,4-Trichlorobenzene	5	0.5 U	~ ~
71-55-6	1,1,1-Trichloroethane	5	0.5 U	~ ~
79-00-5	1,1,2-Trichloroethane	1	0.5 U	~ ~
79-01-6	Trichloroethene	5	**0.5** J	~ ~
75-69-4	Trichlorofluoromethane	5	0.5 U	~ ~
75-01-4	Vinyl Chloride	2	0.5 U	~ ~
1330-20-7	*Xylenes (total = o +m/p)*	*5*	0.5 U	~ ~
126777-61-2	m/p-Xylenes	5	1 U	~ ~
95-47-6	o-Xylene	5	1 U	~ ~
999-99-1	Total Confident Conc. VOC		**2.73**	
999-99-2	Total TICs			
SemiVolatile Analyte (UG/L)				
83-32-9	Acenaphthene	20	0.588 U	~ ~
208-96-8	Acenaphthylene	~	0.588 U	~ ~
120-12-7	Anthracene	50	0.588 U	~ ~
100-51-6	Benzyl alcohol	~	0.588 U	~ ~
65-85-0	Benzoic acid	~	**3.42**	~ ~
56-55-3	Benzo(a)anthracene	0.002	0.0588 U	~ ~
50-32-8	Benzo(a)pyrene	ND	0.0588 U	~ ~

Table 2
Groundwater Sample Results Summary

ALL CONCENTRATIONS IN UG/L (PPB)	Case - 1564		Result Qualifier	Result Qualifier
NYSDEC Ground Water Quality Standards Part 703			1201592	1201592
Client: Brinkerhoff Environmental - 400 Rider Street			TWP-1	TWP-1 (Dissolved Metals)
CAS #	Contaminant	NYDECGWQS	02/28/12	02/28/12
205-99-2	Benzo(b)fluoranthene	0.002	0.0588 U	~ ~
191-24-2	Benzo(g,h,i)perylene	~	0.118 U	~ ~
207-08-9	Benzo(k)fluoranthene	0.002	0.0588 U	~ ~
111-91-1	bis(2-Chloroethoxy)methane	5	0.588 U	~ ~
111-44-4	bis(2-Chloroethyl)ether	1	0.588 U	~ ~
108-60-1	Bis(2-chloroisopropyl)ether	NA	0.588 U	~ ~
117-81-7	bis(2-Ethylhexyl)phthalate	5	0.588 U	~ ~
101-55-3	4-Bromophenyl-phenylether	~	0.588 U	~ ~
85-68-7	Butylbenzylphthalate	~	0.588 U	~ ~
106-47-8	4-Chloroaniline	5	0.588 U	~ ~
7005-72-3	4-Chlorophenyl-phenylether	~	0.588 U	~ ~
91-58-7	2-Chloronaphthalene	10	0.588 U	~ ~
95-57-8	2-Chlorophenol	~	0.588 U	~ ~
59-50-7	4-Chloro-3-methylphenol	~	**1.08** J	~ ~
218-01-9	Chrysene	0.002	0.118 U	~ ~
84-74-2	Di-n-butylphthalate	50	0.588 U	~ ~
53-70-3	Dibenz(a,h)anthracene	~	0.0588 U	~ ~
132-64-9	Dibenzofuran	~	0.588 U	~ ~
95-50-1	1,2-Dichlorobenzene	3	0.588 U	~ ~
541-73-1	1,3-Dichlorobenzene	3	0.588 U	~ ~
106-46-7	1,4-Dichlorobenzene	3	0.588 U	~ ~
91-94-1	3,3-Dichlorobenzidine	5	0.588 U	~ ~
120-83-2	2,4-Dichlorophenol	5	0.588 U	~ ~
84-66-2	Diethylphthalate	~	**1.03** J	~ ~
131-11-3	Dimethylphthalate	50	0.588 U	~ ~
105-67-9	2,4-Dimethylphenol	50	0.588 U	~ ~
25321-14-6	Dinitrotoluene (2,4-/2,6- mixture)	~	0.588 U	~ ~
121-14-2	2,4-Dinitrotoluene	5	0.588 U	~ ~
606-20-2	2,6-Dinitrotoluene	5	0.588 U	~ ~
51-28-5	2,4-Dinitrophenol	10	0.588 U	~ ~
534-52-1	4,6-Dinitro-2-methylphenol	~	0.588 U	~ ~
122-66-7	1,2-Diphenylhydrazine	ND	0.588 U	~ ~
117-84-0	Di-n-octyl phthalate	50	0.588 U	~ ~
206-44-0	Fluoranthene	50	0.588 U	~ ~
86-73-7	Fluorene	50	0.588 U	~ ~
118-74-1	Hexachlorobenzene	0.04	0.0118 U	~ ~
87-68-3	Hexachlorobutadiene	0.5	0.588 U	~ ~
77-47-4	Hexachlorocyclopentadiene	5	0.588 U	~ ~
67-72-1	Hexachloroethane	5	0.588 U	~ ~
193-39-5	Indeno(1,2,3-cd)pyrene	0.002	0.0588 U	~ ~
78-59-1	Isophorone	50	0.588 U	~ ~
91-57-6	2-Methylnaphthalene	~	0.588 U	~ ~
95-48-7	2-Methylphenol	~	0.588 U	~ ~
106-44-5	3&4 Methylphenol	!	0.588 U	~ ~
91-20-3	Naphthalene	10	0.588 U	~ ~
88-74-4	2-Nitroaniline	5	0.588 U	~ ~
88-75-5	2-Nitrophenol	10	0.588 U	~ ~
99-09-2	3-Nitroaniline	5	0.588 U	~ ~
100-01-6	4-Nitroaniline	5	0.588 U	~ ~
98-95-3	Nitrobenzene	0.4	0.588 U	~ ~
100-02-7	4-Nitrophenol	~	0.588 U	~ ~
621-64-7	N-Nitroso-di-n-propylamine	~	0.588 U	~ ~
86-30-6	N-Nitrosodiphenylamine	50	0.588 U	~ ~
062-75-9	N-Nitrosodimethylamine	~	0.588 U	~ ~
87-86-5	Pentachlorophenol	1	0.588 U	~ ~
85-01-8	Phenanthrene	50	0.118 U	~ ~
108-95-2	Phenol	1	0.588 U	~ ~
129-00-0	Pyrene	50	0.588 U	~ ~
95-95-4	2,4,5-Trichlorophenol	~	0.588 U	~ ~
88-06-2	2,4,6-Trichlorophenol	~	0.588 U	~ ~
999-99-3	Total Confident Conc. SVOC		**5.53**	~ ~
999-99-4	Total Confident Conc. PAH's			
999-99-5	Total TICs			
Pesticide Analyte (UG/L)				
309-00-2	Aldrin	ND	0.0022 U	~ ~
319-84-6	alpha-BHC	~	0.0022 U	~ ~
319-85-7	beta-BHC	~	0.0022 U	~ ~

Table 2
Groundwater Sample Results Summary

ALL CONCENTRATIONS IN UG/L (PPB) NYSDEC Ground Water Quality Standards Part 703		Case - 1584		Result Qualifier 1201592	Result Qualifier 1201592
Client: Brinkerhoff Environmental - 400 Rider Street				TWP-1	TWP-1 (Dissolved Metals)
CAS #	Contaminant		NYDECGWQS	02/28/12	02/28/12
319-86-8	delta-BHC		~	**0.00347**	~ ~
xxxx-xx-01	Chlordane, Total (Alpha & Gamma)		0.05	0.0022 U	~ ~
5103-71-9	alpha-Chlordane		~	0.0022 U	~ ~
72-55-9	gamma-Chlordane		~	0.0022 U	~ ~
72-54-8	4,4-DDD		0.3	0.0044 U	~ ~
72-55-9	4,4-DDE		0.2	0.0044 U	~ ~
50-29-3	4,4-DDT		0.2	0.0044 U	~ ~
60-57-1	Dieldrin		0.004	0.0044 U	~ ~
115-29-7	Endosulfan		~	0.0022 U	~ ~
959-98-8	Endosulfan I		~	0.0022 U	~ ~
33213-65-9	Endosulfan II		~	0.0044 U	~ ~
1031-07-8	Endosulfan Sulfate		~	0.0044 U	~ ~
72-20-8	Endrin		ND	0.0044 U	~ ~
7421-93-4	Endrin aldehyde		5	0.0044 U	~ ~
53494-70-5	Endrin Ketone		5	0.0044 U	~ ~
58-89-9	gamma-BHC (Lindane)		~	0.0022 U	~ ~
76-44-8	Heptachlor		0.04	0.0022 U	~ ~
1024-57-3	Heptachlor epoxide		0.03	0.0022 U	~ ~
72-43-5	Methoxychlor		35	0.022 U	~ ~
8001-35-2	Toxaphene		0.06	0.11 U	~ ~
999-99-6	Total Pesticides				
PolyChlorinated Phenols (PCB's) (UG/L)					
1336-36-3	Polychlorinated Biphenyls (PCBs)	Total	0.09	0.055 U	~ ~
12674-11-2	Aroclor-1016		~	0.055 U	~ ~
11104-28-2	Aroclor-1221		~	0.055 U	~ ~
11141-16-5	Aroclor-1232		~	0.055 U	~ ~
53469-21-9	Aroclor-1242		~	0.055 U	~ ~
12672-29-6	Aroclor-1248		~	0.055 U	~ ~
11097-69-1	Aroclor-1254		~	0.055 U	~ ~
11096-82-5	Aroclor-1260		~	0.055 U	~ ~
Metals (UG/L)					
7429-90-5	Aluminum		~	**12,800**	250 U
7440-36-0	Antimony		3	5 U	5 U
7440-38-2	Arsenic		25	2 U	2 U
7440-39-3	Barium		1,000	**204**	**91.1**
7440-41-7	Beryllium		3	**1.94**	1 U
7440-43-9	Cadmium		5	4 U	4 U
7440-70-2	Calcium		~	**346,000**	**153,000**
7440-47-3	Chromium		50	**32.9**	10 U
7440-48-4	Cobalt		~	**25.2**	10 U
7440-50-8	Copper		200	**64.5**	10 U
7439-92-1	Iron		300	**25,700**	**1,320**
7439-92-1	Lead		25	**22.1**	5 U
7439-95-4	Magnesium		35,000	**174,000**	**60,500**
7439-96-5	Manganese		300	**1,590**	**320**
7439-97-6	Mercury		0.7	0.5 U	0.5 U
7440-02-0	Nickel		100	**38.3**	10 U
7440-09-7	Potassium		~	**17,900**	**11,500**
7782-49-2	Selenium		10	**10.3**	10 U
7440-22-4	Silver		50	5 U	5 U
7440-23-5	Sodium		20,000	**133,000**	**133,000**
7440-28-0	Thallium		0.5	2 U	2 U
7440-62-2	Vanadium		~	**33.1**	15 U
7440-66-6	Zinc		2,000	100 U	100 U
Other					
57-12-5	Cyanide, Total (mg/l)		200	0.02 U	~ ~

Qualifiers:

RED - Result exceeds the NYSDEC TOGS 1.1.1 Groundwater Quality Standard.

BOLD - Analyte was detected at or above the reporting limit.

J - Estimated value.

U - Analyte was not detected at or above the reporting limit.

Integrated Analytical Laboratories LLC
Table 3 Soil Vapor Summary Report
IAL SDG: E12-02139

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736

Attn: Doug Harm
Project: 400 Rider Stree
Site: NA

	Sample Name:	SV-1			SV-2			SV-3			SV-4			SV-5		
	IAL ID:	E12-02139-01			E12-02139-02			E12-02139-03			E12-02139-04			E12-02139-05		
Compound	CAS#	Q	ug/m3	RL ug/m3	Q	ug/m3	RL ug/m3	Q	ug/m3	RL ug/m3	Q	ug/m3	RL ug/m3	Q	ug/m3	RL ug/m3
Benzene	71-43-2		16	0.64		7.8	0.64		5.0	0.64		8.1	0.64		5.6	0.64
Chloroform	67-66-3		0.98	0.98		ND	0.98		ND	0.98		ND	0.98		1.6	0.98
Chloromethane	74-87-3		ND	0.41		1.2	0.41		0.99	0.41		1.1	0.41		1.2	0.41
Carbon tetrachloride	56-23-5		ND	0.25		0.38	0.25		0.32	0.25		0.32	0.25		0.32	0.25
Cyclohexane	110-82-7		4.6	0.69		3.8	0.69		2.8	0.69		4.0	0.69		2.5	0.69
Dichlorodifluoromethane	75-71-8		2.8	0.99		2.8	0.99		2.9	0.99		3.0	0.99		2.7	0.99
Ethanol	64-17-5		34	0.38		32	0.38		38	0.38		46	0.38		27	0.38
Ethylbenzene	100-41-4		17	0.87		17	0.87		15	0.87		12	0.87		12	0.87
n-Hexane	110-54-3		14	0.71		11	0.71		16	0.71		17	0.71		10	0.71
Methylene chloride	75-09-2		ND	0.70		0.94	0.70		1.3	0.70		13	0.70		6.6	0.70
Methyl ethyl ketone	78-93-3		6.5	0.59		3.1	0.59		1.8	0.59		3.1	0.59		3.2	0.59
Tert-butyl alcohol	75-65-0		ND	0.61		ND	0.61		0.70	0.61		0.67	0.61		0.94	0.61
Tetrachloroethene	127-18-4		ND	1.4		1.7	1.4		ND	1.4		ND	1.4		ND	1.4
Toluene	108-88-3		90	0.75		104	0.75		68	0.75		68	0.75		52	0.75
1,1,1-Trichloroethane	71-55-6		ND	1.1		ND	1.1		ND	1.1		2.8	1.1		ND	1.1
Trichloroethene	79-01-6		ND	0.25		0.27	0.25		ND	0.25		11	0.25		1.7	0.25
Trichlorofluoromethane	75-69-4		9.3	1.1		1.5	1.1		1.6	1.1		1.9	1.1		1.7	1.1
1,2,4-Trimethylbenzene	95-63-6		9.7	0.98		12	0.98		13	0.98		9.3	0.98		11	0.98
1,3,5-Trimethylbenzene	108-67-8		3.4	0.98		4.2	0.98		4.3	0.98		3.1	0.98		3.5	0.98
2,2,4-Trimethylpentane	540-84-1		6.7	0.93		5.4	0.93		4.7	0.93		7.4	0.93		4.1	0.93
Xylenes (m&p)	179601-23-1		59	0.87		62	0.87		56	0.87		45	0.87		45	0.87
Xylenes (o)	95-47-6		18	0.87		20	0.87		18	0.87		15	0.87		16	0.87
Xylenes - TOTAL	1330-20-7		77	1.74		82	1.74		74	1.74		60	1.74		61	1.74

D = Extra dilution required for this compound

Analyst: J. Schmitt

Table 4 New York State Department of Environmental Conservation Decision Matricies from Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006

Decision matrices are risk management tools, developed by the NYSDOH in conjunction with other agencies, to provide guidance on a case-by-case basis about actions that should be taken to address current and potential exposures related to soil vapor intrusion. The matrices are intended to be used when evaluating the results from buildings with full slab foundations.

The NYSDOH has developed two matrices to use as tools in making decisions when soil vapor may be entering buildings. The first decision matrix was originally developed for TCE and the second for PCE. As summarized in the table below (Table 3.3 in the NYSDEC VIG), four chemicals have been assigned to the two matrices to date.

Volatile chemicals and their decision matrices

Chemical	Soil Vapor/Indoor Air Matrix
Carbon tetrachloride	Matrix 1
Trichloroethene (TCE)	Matrix 1
Vinyl chloride	Matrix 1

Chemical	Soil Vapor/Indoor Air Matrix
1,1-Dichloroethene	Matrix 2
cis-1,2-Dichloroethene	Matrix 2
Tetrachloroethene (PCE)	Matrix 2
1,1,1-Trichloroethane (1,1,1-TCA)	Matrix 2

Soil Vapor/Indoor Air Matrix 1

	INDOOR AIR CONCENTRATION of COMPOUND (µg/m3)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (µg/m3)	< 0.25	0.25 to < 1	1 to < 5.0	5.0 and above
< 5	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
5 to < 50	5. No further action	6. MONITOR	7. MONITOR	8. MITIGATE
50 to < 250	9. MONITOR	10. MONITOR / MITIGATE	11. MITIGATE	12. MITIGATE
250 and above	13. MITIGATE	14. MITIGATE	15. MITIGATE	16. MITIGATE

Table 4 New York State Department of Environmental Conservation Decision Matricies from Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006

Soil Vapor/Indoor Air Matrix 2

	INDOOR AIR CONCENTRATION of COMPOUND (µg/m3)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (µg/m3)	< 3	3 to < 30	30 to < 100	100 and above
< 100	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
100 to < 1,000	5. MONITOR	6. MONITOR / MITIGATE	7. MITIGATE	8. MITIGATE
1,000 and above	9. MITIGATE	10. MITIGATE	11. MITIGATE	12. MITIGATE

Guide to Matricies 1 and 2

No further action:
Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

Take reasonable and practical actions to identify source(s) and reduce exposures:
The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed). Resampling may be recommended to demonstrate the effectiveness of actions taken to reduce exposures.

MONITOR:
Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MITIGATE:
Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MONITOR / MITIGATE:
Monitoring or mitigation may be recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building- and site specific conditions.

PROPOSED NEW MIXED DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
250 E. 144th STREET, BRONX, NEW YORK
A.K.A. BUILDING "A"

DEVELOPER:

263E.142 LLC.
1683 LEXINGTON AVE.
NEW YORK,NY
TEL:212 426 8400

ARCHITECT:

HUGO S. SUBOTOVSKY AIA
architects LLC
49 N. AIRMONT ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0005
121 WEST 27TH STREET, NEW YORK,NY 10001 TEL: 212-242-5321 FAX: 800-772-8304

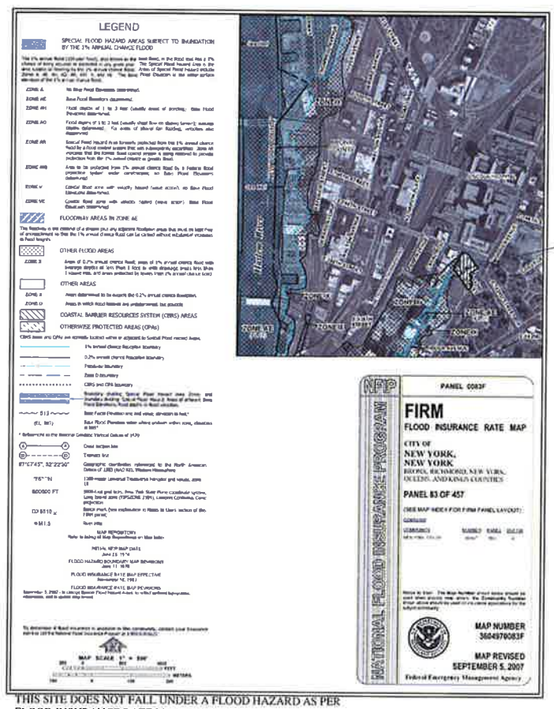
STRUCTURAL & CIVIL ENGINEER:

BROOKER ENGINEERING, PLLC
76 LAFAYETTE AVENUE, SUFFERN, NEW YORK 10901
TEL: 845-357-4411 FAX: 845-357-1896

MECHANICAL ENGINEER:

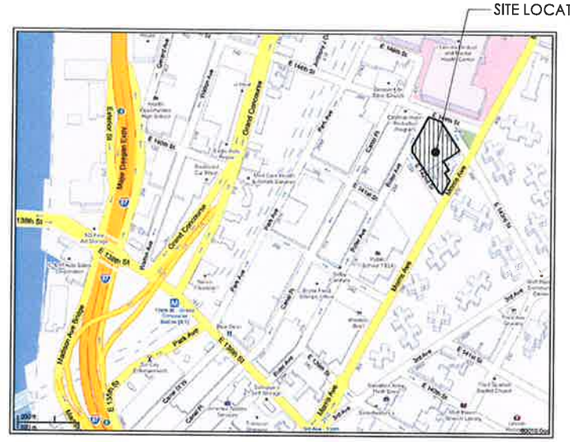
ETTINGER ENGINEERING ASSOCIATES
CONSULTING ENGINEERS
505 EIGHTH AVE., NEW YORK, NEW YORK 10001
TEL: 212-244-2410 FAX: 212-643-1606

RENDERING @ THE CORNER OF E.144TH ST. & RIDER AVE.
NOT TO SCALE



THIS SITE DOES NOT FALL UNDER A FLOOD HAZARD AS PER FLOOD INSURANCE RATE MAP #3604970083F

SITE LOCATION



SITE LOCATION

LOCATION MAP
NOT TO SCALE

APARTMENT DISTRIBUTION BLDG. "A"					
	0BR	1BR	2BR	3BR.	TOTAL
1ST FLOOR	0	2	2	0	4
MEZZANINE	0	3	2	0	5
2ND FLOOR	0	5	8	1	14
3RD FLOOR	2	7	7	1	17
4TH FLOOR	2	7	7	1	17
5TH FLOOR	2	7	7	1	17
6th FLOOR	2	7	7	1	17
7th FLOOR	2	3	4	1	10
TOTAL	10	41	44	6	101
PERCENT	10%	41%	44%	6%	100%

DRAWING SCHEDULE:

(* NOT IN THIS SET)

T-001 COVER SHEET

CIVIL:

C-001 SURVEY

ARCHITECTURAL:

C-002 SCHEMATIC SITE PLAN & SANBORN MAP
Z-001 ZONING ANALYSIS
* Z-002 ZONING ANALYSIS
* Z-003 ZONING ANALYSIS
* EN-001 ENERGY CODE COMPLIANCE DATA
* A-001 GENERAL NOTES
* A-002 ACCESSIBILITY DIAGRAMS
* A-003 CELLAR TO 2ND FLOOR EGRESS PLANS
* A-004 3RD TO 7TH FLOOR EGRESS PLAN
A-100 CELLAR FLOOR PLAN
A-101 1st FLOOR PLAN
A-102 MEZZANINE FLOOR PLAN
A-103 2nd FLOOR PLAN
A-104 3rd THRU 6th FLOOR PLAN
A-105 7th FLOOR PLAN
A-106 ROOF PLANS
A-200 EXTERIOR ELEVATION @ 143rd STREET
A-201 EXTERIOR ELEVATIONS
A-202 EXTERIOR ELEVATIONS
* A-400 TYPICAL WALL SECTION
A-500 TYPICAL APARTMENTS LAYOUTS
A-501 TYPICAL APARTMENTS LAYOUTS
A-502 TYPICAL APARTMENTS LAYOUTS
* A-600 DOOR & FINISH SCHEDULES & MISC. DETAILS
* A-601 WINDOW & LOUVER SCHEDULE

* **STRUCTURAL**

FOA-101 FOUNDATION DETAILS
FOA-102 FOUNDATION DETAILS
FOA-103 FOUNDATION DETAILS
SA-101 MASONRY DETAILS
SA-102 STEEL DETAILS
SA-103 PLANK DETAILS

* **MECHANICAL:**

M-001 BUILDING "A"-HVAC SCHEDULES, SYMBOLS AND NOTES
M-100 BUILDING "A"-HVAC CELLAR FLOOR PLAN
M-101 BUILDING "A"-HVAC 1ST FLOOR PLAN
M-102 BUILDING "A"-HVAC MEZZANINE FLOOR PLAN
M-103 BUILDING "A"-HVAC 2ND FLOOR PLAN
M-104 BUILDING "A"-HVAC 3RD-6TH FLOOR PLAN
M-105 BUILDING "A"-HVAC 7TH FLOOR PLAN
M-106 BUILDING "A"-HVAC ROOF FLOOR PLAN
M-201 BUILDING "A"-HVAC VENTILATION RISER DIAGRAM
M-301 HVAC DETAILS
M-401 BUILDING "A"-HVAC BOILER PART PLAN

PLUMBING

* P-001 BUILDING "A"- PLUMBING UNDERGROUND PLAN
P-101 BUILDING "A"- PLUMBING 1ST FLOOR PLAN
P-102 BUILDING "A"- PLUMBING MEZZANINE FLOOR PLAN
P-103 BUILDING "A"- PLUMBING 2ND FLOOR PLAN
P-104 BUILDING "A"- PLUMBING 3RD TO 6TH FLOOR PLAN
P-105 BUILDING "A"- PLUMBING 7TH FLOOR PLAN
P-106 BUILDING "A"- PLUMBING ROOF FLOOR PLAN
P-205 BUILDING "A"- PLUMBING GAS RISER DIAGRAM

SPRINKLER

* SP-100 BUILDING "A"- SPRINKLER CELLAR FLOOR PLAN
SP-101 BUILDING "A"- SPRINKLER 1ST FLOOR PLAN
SP-102 BUILDING "A"- SPRINKLER MEZZANINE FLOOR PLAN
SP-103 BUILDING "A"- SPRINKLER 2ND FLOOR PLAN
SP-104 BUILDING "A"- SPRINKLER 3TH TO 6TH FLOOR PLAN
SP-105 BUILDING "A"- SPRINKLER 7TH FLOOR PLAN
SP-106 BUILDING "A"- SPRINKLER ROOF FLOOR PLAN
SP-200 BUILDING "A"- SPRINKLER FSP/SPRINKLER RISER DIAGRAM

FIRE ALARM

* FA-100 BUILDING "A"- FIRE ALARM CELLAR FLOOR PLAN
FA-101 BUILDING "A"- FIRE ALARM FIRST FLOOR PLAN
FA-102 BUILDING "A"- FIRE ALARM MEZZANINE FLOOR PLAN
FA-103 BUILDING "A"- FIRE ALARM SECOND FLOOR PLAN
FA-104 BUILDING "A"- FIRE ALARM 3RD TO 6TH FLOOR PLAN
FA-105 BUILDING "A"- FIRE ALARM 7TH FLOOR PLAN
FA-106 BUILDING "A"- FIRE ALARM ROOF FLOOR PLAN
FA-200 BUILDING "A"- FIRE ALARM FIRE ALARM RISER DIAGRAM

12-09-11 ISSUED TO H.P.D. FOR REVIEW AND COMMENT
05-17-11 ISSUED FOR D.O.B. REVIEW & COMMENT
08-23-10 ISSUED FOR D.O.B. REVIEW & COMMENT

PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
250 E. 144th STREET, BRONX, NY 10456

BUILDING "A"
COVER SHEET

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	PC
DRAWING NO:	T-001.00
SCALE: AS NOTED	SHEET NO: 1 of XX

NYC DOB NUMBER: 220087171

P0920_A_T-001

ZONING CALCULATION - MIXED USE BUILDING PER 123-11

Address: Morris Ave. & E. 143rd ST., Bronx, NY
Block: 2334
Existing lots: 30, 35, 40, 41, 43, 45 & 50
Zoning: MX-1 SPECIAL PURPOSE DISTRICT M1-4/R7A (1 ZONING LOT)
Map: 6a
12/29/2011
QUALITY HOUSING MANDATORY WITH INCLUSIONARY HOUSING DESIGNATION AREA PER MAP 6A & APPENDIX "F" MAP 1

CONST. CLASS 1-B 2HR RATED
BUILDING CODE OCCUPANCY GROUP - R-2/M
BUILDING TO BE FULLY SPRINKLERED
BUILDING TO BE DESIGNED PER 2008 NYC BUILDING CODE

	PERMITTED/REQUIRED	PROPOSED	REMARKS	REF.
RESIDENTIAL - QUALITY HOUSING PROGRAM - USE GROUP 2				
ZONING LOT AREA — Corner Lot / Through Lot / TOTAL	1,700.00 SQ FT MIN	30,470.00 SQ FT / 16,424.00 SQ FT / 46,900.00 SQ FT	OK	23-32
LOT COVERAGE — Corner Lot / Through	N/A	29,004.00 SQ FT / 3,328.00 SQ FT		123-64(b)
FLOOR AREA RATIO — Base / Max	3.45 MAX / 4.60 MAX	ALL APTS. AFFORDABLE HOUSING 3.53	OK	123-63/23-952
GROSS FLOOR AREA — TOTAL	215,740.00 SQ FT MAX	BUILDING A: 93,486 SQ FT* / BUILDING B: 90,673 SQ FT* / 184,159.00 SQ FT*	OK	123-63/23-952
NO. OF APARTMENTS — R7: 680 SQ FT Min / TOTAL	317 UNITS MAX	BUILDING A: 151 UNITS / BUILDING B: 138 UNITS / 289 UNITS	OK	23-22
HEIGHTS REGULATIONS — Min. Base Height / Max. Base Height / Max Building Height	40'-0" MAX / 80'-0" MAX / 80'-0" MAX	BUILDING A: 62'-0" / 62'-0" / 71'-0"; BUILDING B: 67'-10" / 67'-10" / 78'-0"	OK / OK / OK	123-662 (TABLE B)
SETBACK ABOVE BASE HEIGHT	WIDE ST. 10'-0" MIN / NARROW ST. 15'-0" MIN	BUILDING A: WIDE ST. 25'-0" / NARROW ST. 20'-0"; BUILDING B: WIDE ST. 20'-0" / NARROW ST. 20'-0"	OK	123-662 (b)(1)
PERMITTED OBSTRUCTIONS AND DORMER PROVISIONS	See dormer/obstructions diagrams on Z001		OK	123-662 (c)
YARD REGULATIONS — FRONT / SIDE / REAR	INTERIOR LOT: NONE REQ'D / NONE REQ'D / NONE REQ'D; CORNER LOT: NONE REQ'D / NONE REQ'D / NONE REQ'D	BUILDING A: THROUGH LOT NONE / NONE / NONE; CORNER LOT 8'-2"/NONE / NONE / 12'-11"; BUILDING B: THROUGH LOT NONE / NONE / NONE; CORNER LOT 8'-4"/NONE / NONE / 40'-11"	OK / OK / OK	123-662 / 123-662 / 23-541/23-533(b)
COMMUNITY FACILITY - USE GROUP 4	PERMITTED/REQUIRED	PROPOSED	REMARKS	REF.
LOT AREA		46,900.00 SQ FT		
FLOOR AREA RATIO — TOTAL	4.80 MAX	BUILDING A: 0.00 / BUILDING B: 0.23 / 0.23	OK	123-64/24-11
GROSS FLOOR AREA — TOTAL	187,600.00 SQ FT MAX	BUILDING A: 0.00 / BUILDING B: 10,835 SQ FT / 10,835.00 SQ FT	OK	123-64/24-11
COMMERCIAL - USE GROUP 6	PERMITTED/REQUIRED	PROPOSED	REMARKS	REF.
LOT AREA		46,900.00 SQ FT		
FLOOR AREA RATIO	2.00 MAX	0.41	OK	123-64/43-12
GROSS FLOOR AREA — TOTAL	93,800.00 SQ FT MAX	BUILDING A: 12,609.00 SQ FT / BUILDING B: 6,751.00 SQ FT / 19,360.00 SQ FT	OK	123-64/43-12
MIXED DEVELOPMENT TOTAL	PERMITTED/REQUIRED	PROPOSED	REMARKS	REF.
LOT AREA		46,900.00 SQ FT		
FLOOR AREA RATIO	4.60 MAX	4.57	OK	123-64(a)(1)
GROSS FLOOR AREA — TOTAL	215,740.00 SQ FT MAX	19,360.00 COMMERCIAL (BLDG. A + BLDG. B); 10,835.00 COMM. FACILITY (BLDG. A + BLDG. B); 184,159.00 RESIDENTIAL (BLDG. A + BLDG. B); 214,354.00 SQ FT	OK	123-64(a)(1)
PARKING	PERMITTED/REQUIRED	PROPOSED	REMARKS	REF.
APARTMENTS AT 25 % of Units — TOTAL	BUILDING A: 25 / BUILDING B: 35; 60 Spaces Req'd	BUILDING A: 46 Spaces / BUILDING B: 69 Spaces; 115 Spaces	OK	25-25 (c)
COMMUNITY FACILITY - CLINIC OR TREATMENT CENTER — USE GROUP 4	NONE	NONE		44-21
COMMERCIAL SPACE - GENERAL RETAIL — None Required	NONE	NONE		44-21
BICYCLE PARKING	PERMITTED/REQUIRED	PROPOSED	REMARKS	REF.
RESIDENTIAL — 1 space for every 2 residential units	BUILDING A: 51 / BUILDING B: 50	BUILDING A: 46 Spaces / BUILDING B: 69 Spaces	OK	25-811
RETAIL SPACE — 1 space per 10,000 SQ FT	1 / 1	2 Spaces / 2 Spaces	OK	
COMM. FACILITY (use 4) — 1 space per 10,000 SQ FT	0 / 1	0 Spaces / 1 Space	OK	25-811
TOTAL	52 / 52	48 Spaces / 72 Spaces	OK	
TOTAL (BLDG. A + BLDG. B)	103 Spaces (Min.)	120 Spaces	OK	
15 SQ FT per Bicycle — TOTAL	BUILDING A: 780 / BUILDING B: 765; 1,545 SQ FT (Min.)	BUILDING A: 780 SQ FT / BUILDING B: 765 SQ FT; 1,545 SQ FT.	OK	25-83

E.143rd Street Bldg. - aka Building "A"	Zoning Floor Area	FAR
Residential	93,486.00 SQ.FT	1.99
Commercial	12,609.00 SQ.FT	0.27
TOTAL	106,095.00 SQ.FT	2.26

E.143rd Street Bldg. - aka Building "B"	Zoning Floor Area	FAR
Residential	90,673.00 SQ FT	1.93
Commercial	6,751.00 SQ FT	0.25
Community Facility	10,835.00 SQ FT	0.23
TOTAL	108,259.00 SQ FT	2.22

* BUILDING "B" FILED UNDER SEPARATE APPLICATION

DORMER CALCULATIONBUILDING "A"
60%-(*)6.46 =53.54%
53.54% X 173'-6 1/2"=92'-10"
RES. 123-662(c) > 84' 10 1/2"
PROPOSED DORMER

BASE PLANE CALCULATION

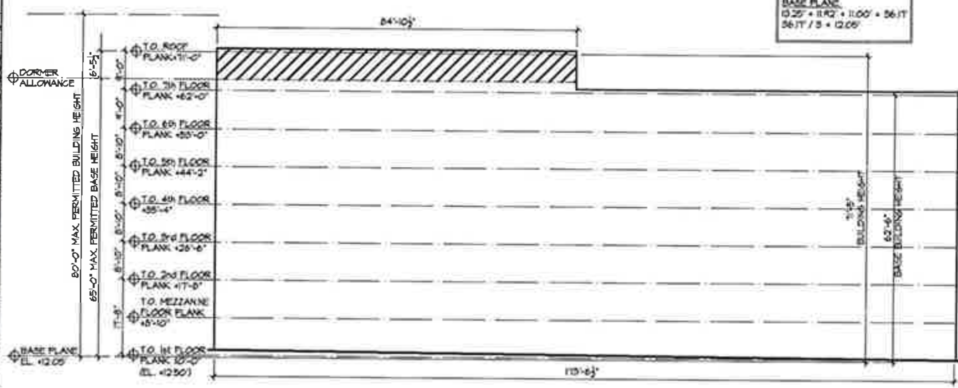
1. (143rd STREET):
14.35' + 12.14' = 26.44'
26.44' / 2 = 13.25'
BP1 = +13.25'

2. (144th STREET):
12.14' + 11.64' = 23.85'
23.85' / 2 = 11.92'
BP2 = +11.92'

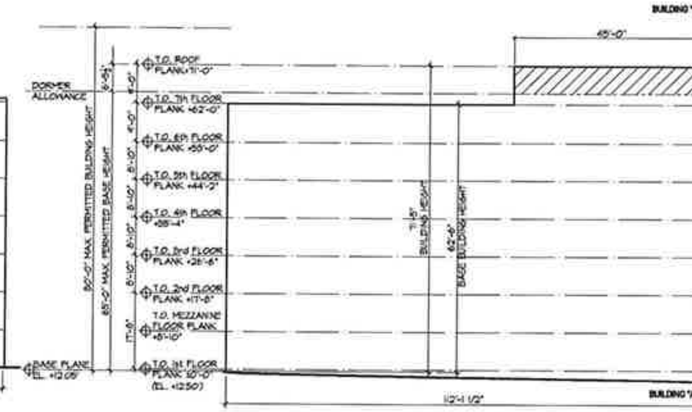
3. (RIDER AVENUE):
11.64' + 10.31' = 22.00'
22.00' / 2 = 11.00'
BP3 = +11.00'

BASE PLANE:
13.25' + 11.92' + 11.00' = 36.17'
36.17' / 3 = 12.05'

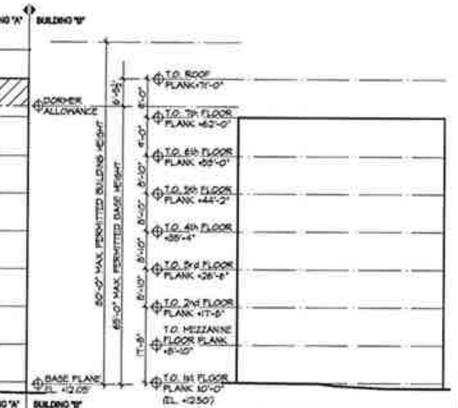
DORMER CALCULATIONBUILDING "A"
60%-(*)6.46 =53.54%
53.54% X 112'-1 1/2"=60'-0"
RES. 123-662(c) > 45' -0"
PROPOSED DORMER



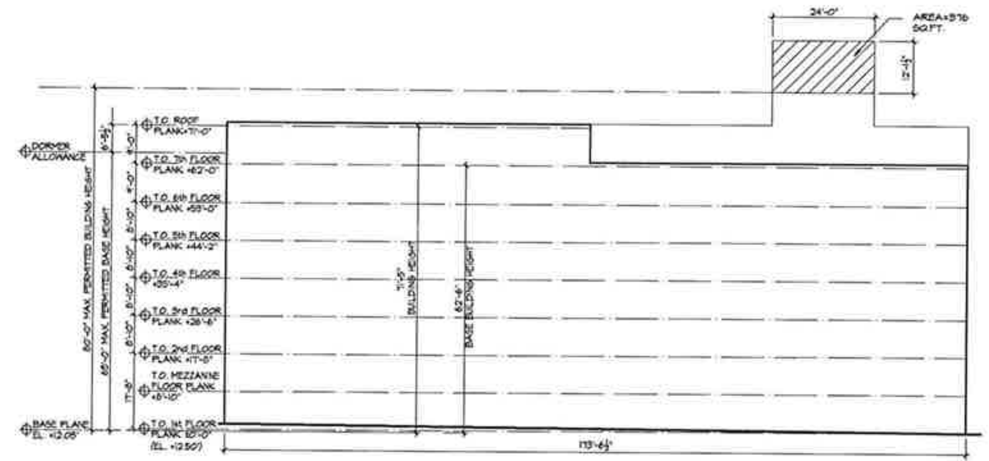
HEIGHT DIAGRAM @ E. 143rd STREET
SCALE : 1/16" = 1'-0"



HEIGHT DIAGRAM @ RIDER AVENUE
SCALE : 1/16" = 1'-0"



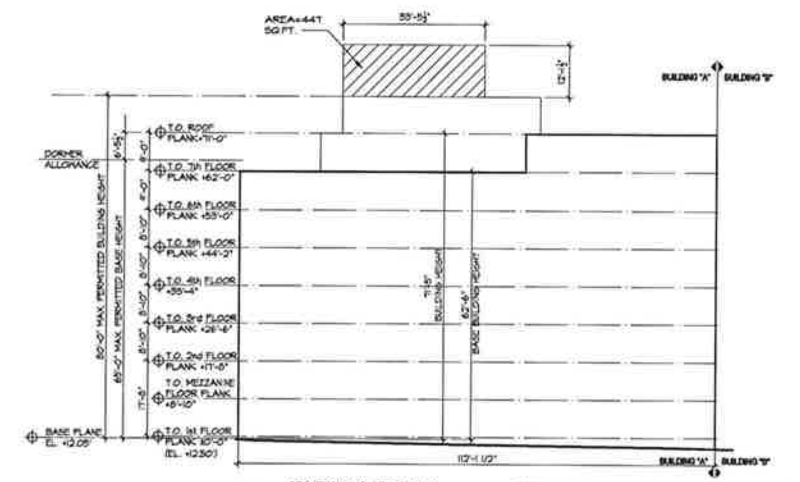
HEIGHT DIAGRAM @ 144th STREET
SCALE : 1/16" = 1'-0"



OBSTRUCTIONS ABOVE MAX. PERMITTED BUILDING HEIGHT.

OBSTRUCTIONS ABOVE MAX. PERMITTED BUILDING HEIGHT:
STAIR AND ELEVATOR BULKHEADS= 576 SQ.FT
AREA=291 SQ.FT. < 696'-4"(4 X STREET WALL WIDTH 173'-6 1/2")

SCHEMATIC ELEVATION VIEWING FROM E143rd STREET
PERMITTED OBSTRUCTION DIAGRAM
SCALE : 1/16" = 1'-0"



OBSTRUCTIONS ABOVE MAX. PERMITTED BUILDING HEIGHT.

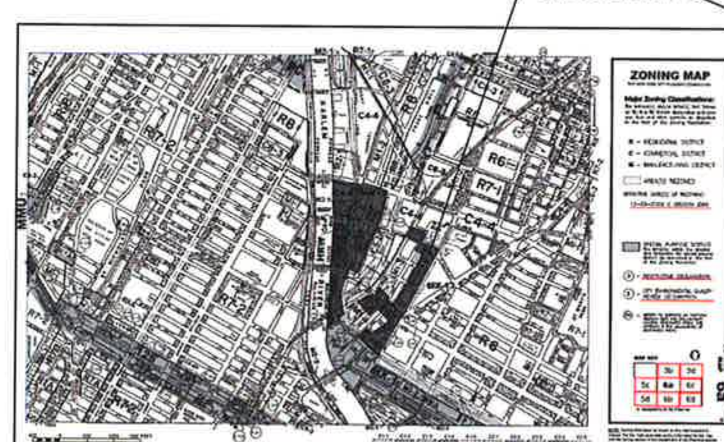
OBSTRUCTIONS ABOVE MAX. PERMITTED BUILDING HEIGHT:
STAIR AND ELEVATOR BULKHEADS= 447 SQ.FT
AREA=405 SQ.FT. < 447.6"(4 X STREET WALL WIDTH 112'-1 1/2")

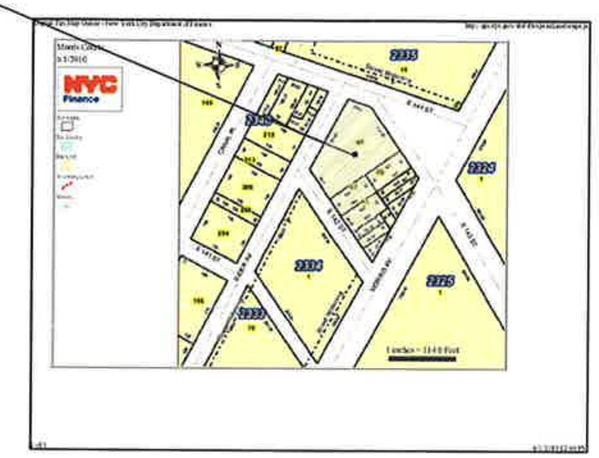
SCHEMATIC ELEVATION VIEWING FROM RIDER AVENUE
PERMITTED OBSTRUCTION DIAGRAM
SCALE : 1/16" = 1'-0"

8/24/2010

BUILDING "A": 250 E. 144 TH STREET, BRONX, NEW YORK - QUALITY HOUSING PROGRAM NOTES	PERMITTED/REQUIRED	PROPOSED		REMARKS	
1 TREE PER 25'-0" OF FRONTAGE	14 TREES	7 TREES ON SITE / 7 TREES OFF SITE	OK	RES. 28-12	Nine (7) on, five (7) off site as per DOT regulations
SIZE OF DWELLING UNITS	400 SQ. FT. MIN.	661 SQ. FT.	OK	RES. 28-21	
WINDOWS	DOUBLE GLAZED	1" INSULATED DOUBLE GLAZED LOW-E PROVIDED	OK	RES. 28-22	
REFUSE STORAGE AND DISPOSAL	12 SQ. FT. MIN	76 SQ. FT.	OK	RES. 28-23	
LAUNDRY FACILITIES	1 WASHER PER 20 D.U. / 1 DRYER PER 40 D.U.	9 WASHERS / 3 DRYERS	OK / OK	RES. 28-24	(...) at least one washing machine per 20 dwelling units or rooming units and at least one dryer per 40 dwelling units or rooming units (...)
DAYLIGHT IN CORRIDORS	20 SQ FT	37.5 SQ. FT. ALL FLOORS COMPLY	OK	RES. 28-25	(...)provided that such window shall be directly visible from 60% of the corridor or from the vertical circulation core, and is located at least 20' from a wall or a side or rear lot line measured in a horizontal place and perpendicular to the rough window opening.
RECREATION SPACE (OUTDOOR)	3.3 % MIN. (R7) = 3,340 SQ FT	3.91% = 3,673 SQ FT	OK	RES. 28-31	The amount of recreation space required is expressed as percentage of the total residential floor area of the development and may be aggregated in one type, indoor or outdoor.
STANDARDS FOR RECREATION SPACE (INDOOR)	NO DEDUCTIONS TAKEN	16'-0" / 1,375 SQ. FT.	OK / OK	RES. 28-32	(...)The minimum dimension of any recreation space shall be 15'. Outdoor recreation space shall be open to the sky except that building projections, not to exceed 7' in depth, may cover up to 10% of the outdoor recreation space, provided that the lowest level of the projection is at least 10' above the level of the outdoor recreation space.
STANDARDS FOR RECREATION SPACE (OUTDOOR)	15 FT. MIN / 225 SQ.FT. MIN	19'-2" / 5,768 SQ.FT.	OK / OK		
PLANTING AREAS	N/A	NONE		RES. 28-33	The area of the zoning lot between the street line and the street wall of the building shall be planted, except at the entrances to and exits from the building, or adjacent to commercial uses fronting on the street.
DENSITY PER CORRIDOR	MAXIMUM 11 D.U. IN R7 IN ORDER TO QUALIFY FOR DEDUCTION	17 DWELLING UNITS DEDUCTIONS WERE TAKEN ONLY AT 1ST, MEZZ & 7TH FLOORS.	OK	RES. 28-41	If the number of dwelling units served by a vertical circulation core and corridor on each story does not exceed the number set forth in the following table, 50% of the sq. ft. of the corridor serving such dwelling units on such story may be excluded from the definition of floor area.

SITE LOCATION





TAX MAP
NOT TO SCALE

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DATE	REVISIONS
12-09-11	ISSUED TO H.P.D.FOR REVIEW & COMMENT
05-17-11	RE-ISSUED FOR D.O.B. REVIEW & COMMENT
8-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

HUGO S. SUBOTOVSKY AIA
[redacted]cts LLC
49 N. AIRMONT ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0005
121 WEST 27TH STREET, NEW YORK,NY 10001 TEL: 212-242-5321 FAX: 800-772-8304

PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
250 E. 144th STREET, BRONX, NY 10456

BUILDING 'A'
ZONING ANALYSIS

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	PC
DRAWING NO:	Z-001.00
SCALE: AS NOTED	SHEET NO: X of XX
NYC DOB NUMBER:	220087171

P0920_A_Z-001

(NOT FOR TITLE PURPOSES) — LEGEND

JOB # 6596-BX

E. 143rd (62'WIDE) STREET

E. 144th (80'WIDE) STREET

RIDER AVENUE (60'WIDE)

MORRIS AVENUE (80'WIDE)

E. 142nd (50'WIDE) STREET

2 STORY BRICK BUILDING

ONE STORY BRICK BLDG.

2 STORY STUCCO BUILDING (BRICK FRONT)

2 STORY BRICK BUILDING (BRICK FRONT)

1 STORY BRICK BUILDING

2 STORY FRAME

2 STORY STUCCO BLDG. No.375

VACANT

TAX LOT No.45

TAX LOT No.50

TAX LOT No.49

TAX LOT No.41

TAX LOT No.61

TAX LOT No.65

TAX LOT No.36

TAX LOT No.30

PARAPET WALL OF BLDG. TO WEST SET PARTIALLY ON BLDG. WALL TO THE EAST

SURVEY

SCALE: 1" = 15'-0"

SURVEYED
JUNE 12, 2010
UPDATE: AUGUST 11, 2011

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BLOCK:	2334
LOT (s):	36,39,40,41,43,45,50
SECTION:	9
COUNTY:	BRONX
DWG BY:	Svetlyn D.
CHK'D BY:	

ARCHITECTURAL SURVEY

CAUTION: BEFORE PERFORMING ANY DIGGING OR DRILLING ON THIS SITE, IT IS REQUIRED THAT SUBSURFACE SERVICES, INCLUDING THE UNDERGROUND MAINS BE MARKED AND IDENTIFIED BY THE UTILITY INVOLVED IN COMPLIANCE WITH INDUSTRIAL CODE 53 OF NEW YORK STATE.

1) ALL ELEVATIONS REFER TO BRONX TOPOGRAPHICAL DATUM WHICH IS 2.608 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK NEW JERSEY.
2) UNDERGROUND UTILITY INFORMATION SHOWN WAS OBTAINED FROM VARIOUS COMPANIES AND CITY AGENCIES AND IS NOT GUARANTEED FOR ACCURACY OR COMPLETENESS.
3) THIS IS TO CERTIFY THAT THERE ARE NO APPARENT STREAMS NOR NATURAL WATER COURSES IN THE PROPERTY AS SHOWN ON THIS SURVEY

SCALE: 1"=15'

VINCENT M. TEUTONICO
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IG APPLE LAND SURVEYORS PC.
3451 E. TREMONT AVENUE, B1, BRONX, NY 10465
OFF.(347)810-7211 ; FAX (347)810-7213
E-mail: IGAPPLELS@YAHOO.COM

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DATE	REVISIONS
12-09-11	ISSUED TO H.P.D. FOR REVIEW & COMMENT
8-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

HUGO S. SUBOTOVSKY AIA
[redacted]cts LLC
49 N. ARMONT ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0005
121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-243-5521 FAX: 800-772-8304

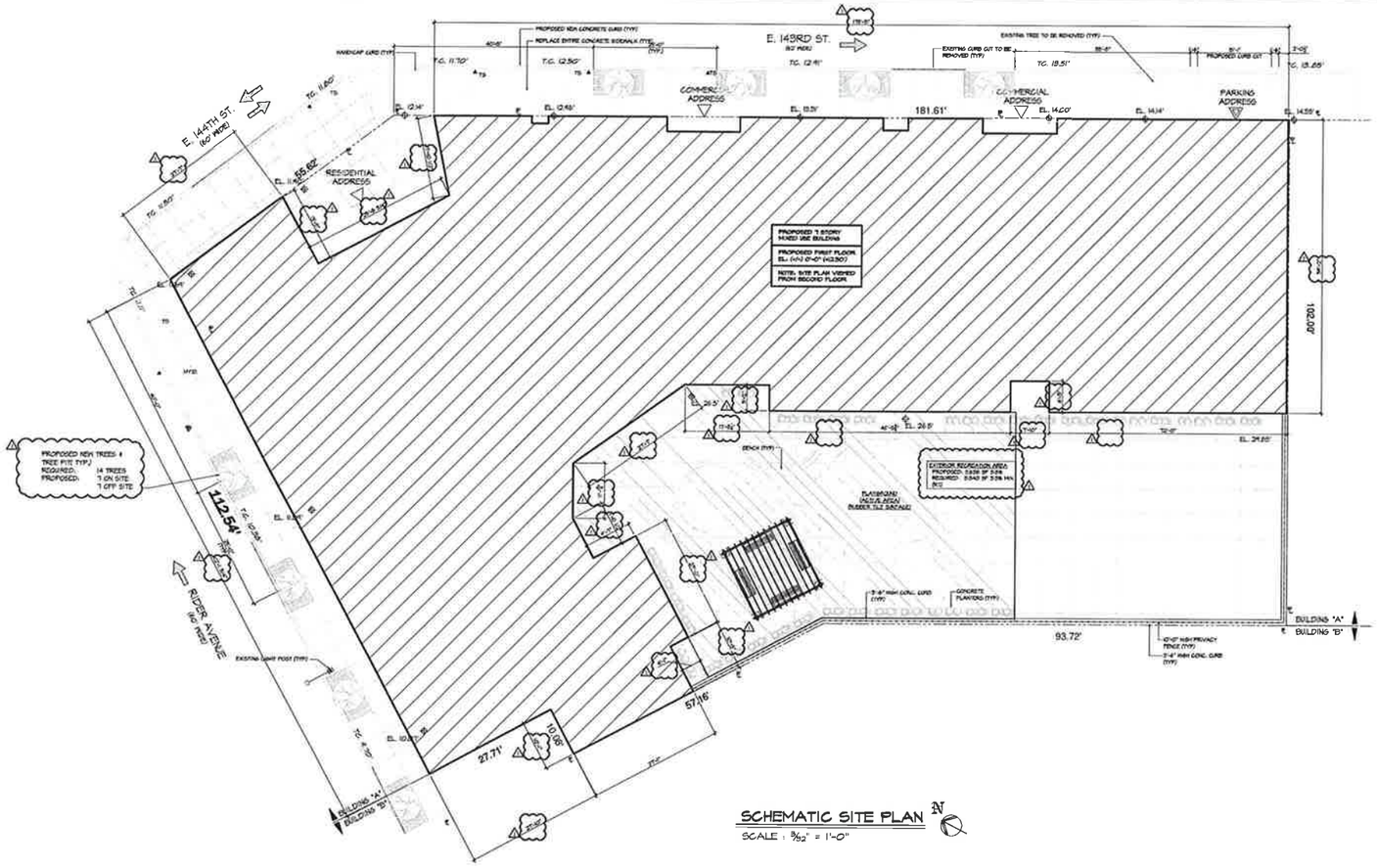
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
250 E. 144th STREET, BRONX, NY 10456

BUILDING "A"
SURVEY

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	FC
DRAWING NO:	C-001.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220067171

P0920_A_C-001

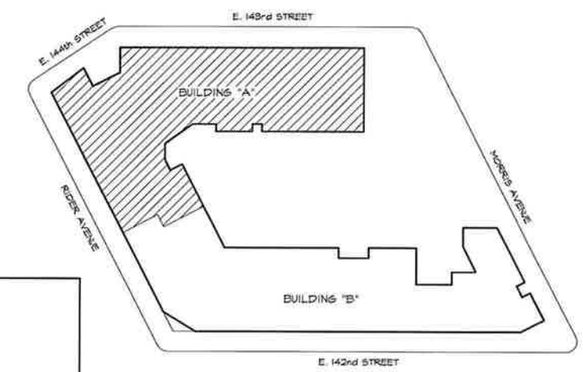


SCHEMATIC SITE PLAN

SCALE : 3/32" = 1'-0"

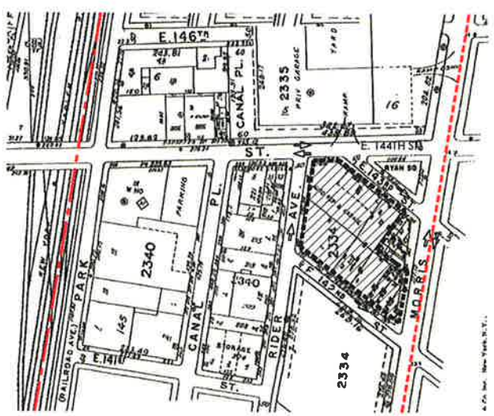
LEGEND:

- RESIDENTIAL ADDRESS
- PARKING ADDRESS
- COMMERCIAL ADDRESS
- TRAFFIC DIRECTIONS
- EXISTING TRAFFIC SIGN
- EXISTING UTILITY POLE
- EXISTING HYDRANT
- EXISTING BUS STOP
- EXISTING ELECTRIC BOX
- EXISTING TREE
- PROPOSED LONDON PLANE W/TREE PIT
- EXISTING TRAFFIC LIGHTS POST
- EXISTING LIGHT POST
- BENCH
- STORM DRAIN
- EXTERIOR LIGHTING
- LAWN
- CONCRETE BLOCK PAVERS
- SAND
- RUBBER TILE SURFACE
- T.C. = TOP CURB
- B.C. = BOTTOM CURB
- EL. = ELEVATION HEIGHT



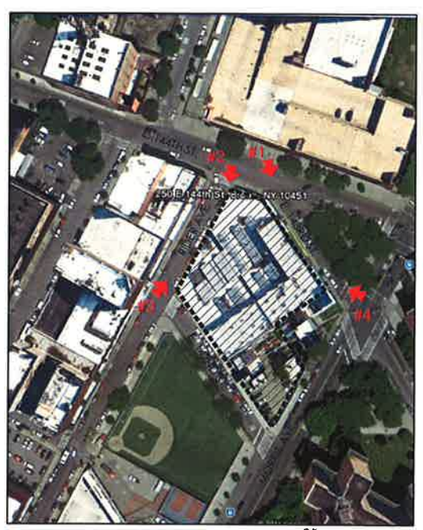
KEY PLAN

NOT TO SCALE



SANBORN MAP

NOT TO SCALE



AERIAL VIEW

NOT TO SCALE

PHOTOGRAPH #1

PHOTOGRAPH #2

PHOTOGRAPH #3

PHOTOGRAPH #4

LEGEND:

- PROPOSED SITE
- DIRECTION OF TRAFFIC
- BUS ROUTE: BX32 KINGSBRIDGE VA HOSPITAL - MOTT HAVEN
- METRO NORTH RAILROAD: HARLEM & NEW HAVEN LINES
- INDICATION OF PHOTOGRAPH

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PROPOSED NEW MIXED USE DEVELOPMENT FOR:

MORRIS COURT APARTMENTS

250 E. 144th STREET, BRONX, NY 10456

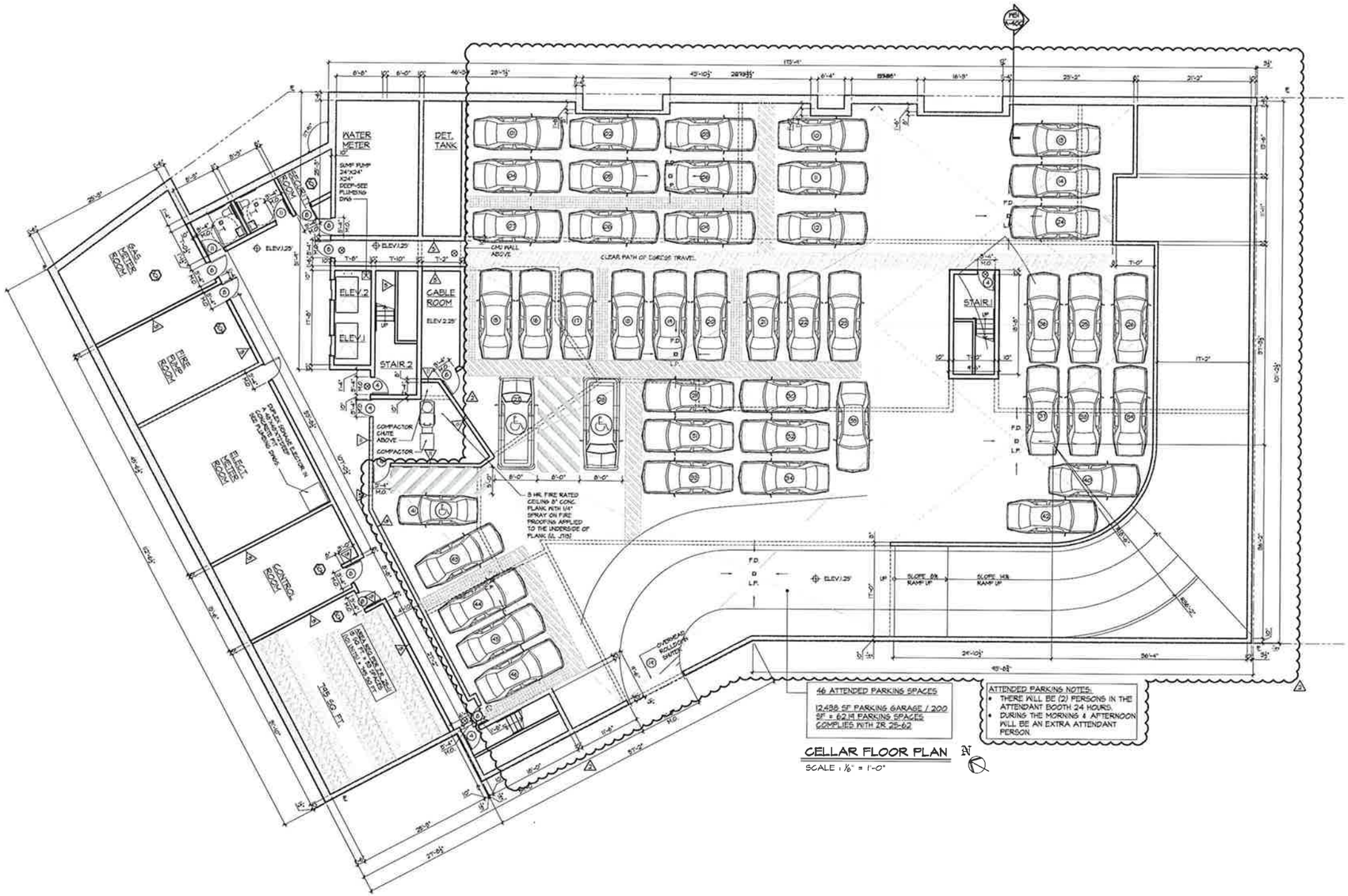
BUILDING "A"

SCHEMATIC SITE PLAN & SANBORN MAP

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	PC
DRAWING NO:	C-002.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087171

P0920_A_C-002



CELLAR FLOOR PLAN

SCALE : 1/8" = 1'-0"

WALL TYPE LEGEND:

1. 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT. FIRESTOP SEALANT, WHICH EVER IS APPLICABLE (6A FILE #WP-10123) (STC 50-54)
2. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.
3. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.
4. CHASEWALL - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL STUDS @ 16" O.C.
5. FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" METAL FURRING CHANNELS @ 16" O.C.
6. 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U408)
7. FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1 5/8" 2" METAL FURRING @ 16" O.C.
8. 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 3 5/8" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (6A FILE #WP-10413) (STC 45-49)
9. 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (6A FILE #WP-1522, STC 55-59).
10. FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1/2" 2" METAL FURRING @ 16" O.C. WITH 1 1/2" RIGID INSULATION (UNFACED) BETWEEN STUDS.
11. FURRING AT CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 1/2" (R-13) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL)
12. 3 HOUR RATED CMU WALL - (1) LAYER 1/2" TYPE "X" GYPSUM BOARD OVER 3/4" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U414) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)
13. 2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 1/2" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 1/2" (R-21) UNFACED BATT INSULATION BETWEEN STUDS. (UL #U424)

NOTES

FOR TOILET ELEVATIONS, SEE DRAWING A-XXX

1. FOR KITCHEN ELEVATIONS, SEE DRAWING A-XXX.
2. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
3. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.
4. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
5. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-XXX
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-XXX.
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH.
9. CONTRACTOR SHALL COORDINATE SIZE &LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.

NOTES, CONTINUED

10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH FYREWRAP EZ 1.5 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLANS ON DWGS. A-100 THRU A-105 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE.
- PARTITION - SEE WALL TYPE LEGEND

LEGEND, CONTINUED

- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-601
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT
- 30" x 48" CLEAR FOR PARALLEL APPROACH

LEGEND, CONTINUED

- 56' WIDE FIRE FIGHTER AISLE
- 24' WIDE FIRE FIGHTER AISLE
- PARKING DRIVEWAY
- PARKING STRIPING

PARKING SPACE (TYP)

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05-17-11	RE-ISSUED FOR D.O.B. REVIEW & COMMENT
08-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

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121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-243-3321 FAX: 800-773-8304

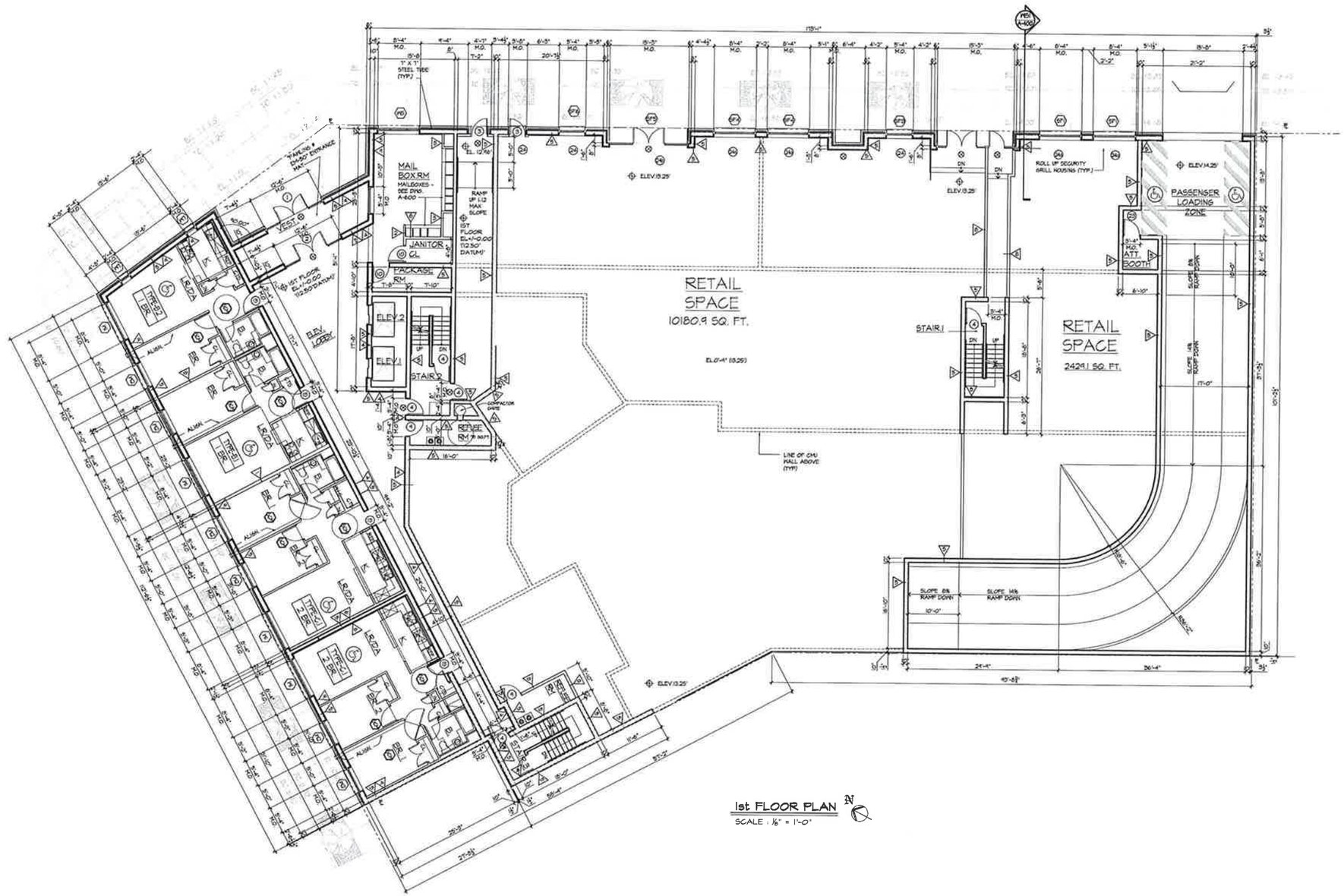
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
2361 BATHGATE AVENUE BRONX (A) NYC 10456

BUILDING "A"
CELLAR FLOOR PLAN

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	PC
DRAWING NO:	A-100.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087171

P0920_A_A-100



WALL TYPE LEGEND:

1 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT.FIRESTOP SEALANT, WHICH EVER IS APPLICABLE. (GA FILE WAP-1052) (STC 50-54)

2 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.

3 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.

4 CHASEWALL - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL STUDS @ 16" O.C.

5 FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" METAL FURRING CHANNELS @ 16" O.C.

6 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AND FIREBATHS INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL W-806)

7 FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 5/8" 1" METAL FURRING @ 16" O.C.

1 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2 5/8" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (GA FILE WAP-1095) (STC 49-54)

2 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (GA FILE WAP-1522, STC 55-59)

3 FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1 5/8" "Z" METAL FURRING @ 16" O.C. WITH 1 1/2" RIGID INSULATION (UNFACED) BETWEEN STUDS.

4 FURRING AT CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 1/2" (R-13) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL)

5 3 HOUR RATED CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT.GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIREBATHS INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL W814) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)

6 2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 1/2" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 1/2" (R-21) UNFACED BATT INSULATION BETWEEN STUDS. (UL W424)

NOTES

FOR TOILET ELEVATIONS, SEE DRAWING A-XXX.

I. FOR KITCHEN ELEVATIONS, SEE DRAWING A-XXX.

2. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.

3. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.

4. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.

5. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-XXX

7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-XXX.

8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS. 2ND, 4TH & 6TH.

9. CONTRACTOR SHALL COORDINATE SIZE & LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.

NOTES, CONTINUED

10 ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH PYRENEAP EZ 15 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.

II. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S

CONCRETE BLOCK WALL - SEE PLAN FOR SIZE.

GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.

FACE BRICK AND CAST STONE

FIRE RATED SHAFT WALL

DOOR & FRAME - SEE FLOOR PLANS ON DWGS. A-100 THRU A-105 & DOOR SCHEDULE ON DWG. A-600 REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE.

PARTITION - SEE WALL TYPE LEGEND

LEGEND, CONTINUED

LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-601

WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601

EXIT LIGHT AND SIGN - CEILING MOUNTED

EXIT LIGHT AND SIGN - WALL MOUNTED

REMOVABLE KITCHEN BASE CABINET

COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR

HANDICAP ADAPTABLE APARTMENT UNIT

ELECTRICAL PANEL UNIT

50" x 48" CLEAR FOR PARALLEL APPROACH

LEGEND, CONTINUED

36" WIDE FIRE FIGHTER AISLE

24" WIDE FIRE FIGHTER AISLE

PARKING DRIVEWAY

PARKING STRIPING

PARKING SPACE (TYP)

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DATE	REVISIONS
12-09-11	ISSUED TO H.P.D FOR REVIEW & COMMENT
8-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

HUGO S. SUBOTOVSKY AIA
CTS LLC
49 N. ARMONK ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0005
121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-243-5321 FAX: 800-773-8304

PROPOSED NEW MIXED USE DEVELOPMENT FOR:

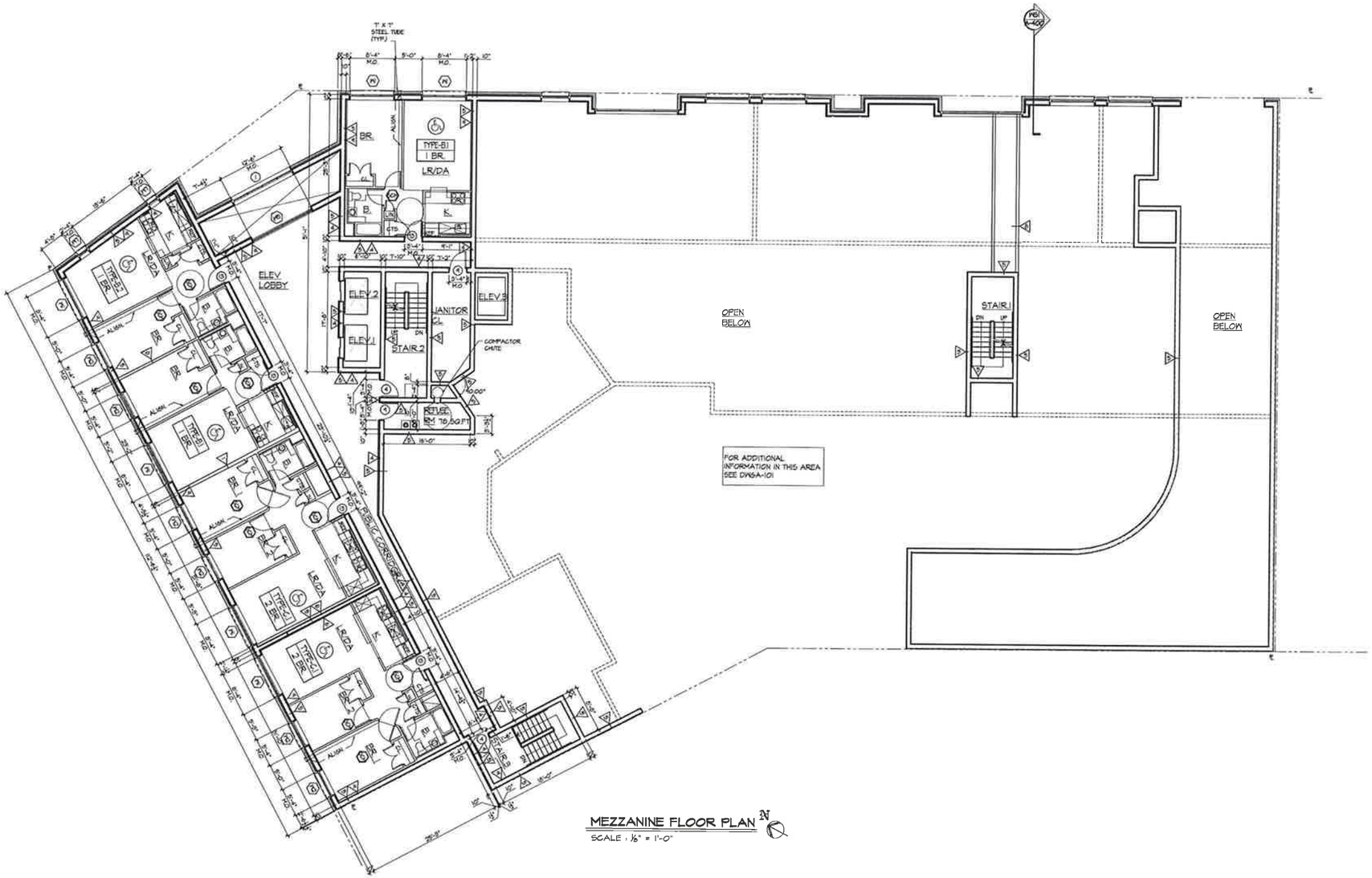
MORRIS COURT APARTMENTS

250 E. 144th STREET, BRONX, NY 10456

BUILDING "A"
1st FLOOR PLAN

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	
DRAWING NO:	A-101.00
SCALE: AS NOTED	SHEET NO: X of XX
NYC DOB NUMBER: 220087171	

P0920_A_A-101



MEZZANINE FLOOR PLAN

SCALE : 1/8" = 1'-0"

WALL TYPE LEGEND:

1 **1 HOUR RATED TENANT SEPARATION PARTITION** - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 5/8" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT. FIRESTOP SEALANT, WHICH EVER IS APPLICABLE. (6A FILE #WP-1052) (STC 50-54)

2 **TYPICAL PARTITION** - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.

3 **TYPICAL PARTITION** - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.

4 **CHASEWALL** - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 3 5/8" METAL STUDS @ 16" O.C.

5 **FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE)** - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL FURRING CHANNELS @ 16" O.C.

6 **2 HOUR RATED CMU WALL** - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U406)

7 **FURRING AT INTERIOR CMU WALL (APARTMENT SIDE)** - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1 5/8" "Z" METAL FURRING @ 16" O.C.

8 **2 HOUR RATED MECHANICAL SHAFT WALL** - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 3 5/8" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (6A FILE #WP-1095) (STC 45-49).

9 **2 HOUR RATED PARTITION** - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 5 1/2" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (6A FILE #WP-1522, STC 55-59).

10 **FURRING AT EXTERIOR CMU WALL** - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1/2" 2" METAL FURRING @ 16" O.C. WITH 1 1/2" RIGID INSULATION (UNFACED) BETWEEN STUDS.

11 **FURRING AT CMU WALL** - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 1/2" (R-13) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL)

12 **8 HOUR RATED CMU WALL** - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK. (UL #U414) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)

13 **2 HOUR RATED EXTERIOR METAL STUD WALL** - (3) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 1/2" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 1/2" (R-21) UNFACED BATT INSULATION BETWEEN STUDS. (UL #U424)

NOTES

FOR TOILET ELEVATIONS, SEE DRAWING A-XXX.

1. FOR KITCHEN ELEVATIONS, SEE DRAWING A-XXX.
2. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
3. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.
4. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
5. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-XXX.
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-XXX.
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH.
9. CONTRACTOR SHALL COORDINATE SIZE & LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.

NOTES, CONTINUED

10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH PYROSAFE EZ 1.5 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE.
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLANS ON DWGS A-100 THRU A-105 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE.
- PARTITION - SEE WALL TYPE LEGEND

LEGEND, CONTINUED

- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-601
- WINDOW - SEE WINDOW SCHEDULE ON DWG A-601
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT
- 30" x 48" CLEAR FOR PARALLEL APPROACH

LEGEND, CONTINUED

- 56" WIDE FIRE FIGHTER AISLE
- 24" WIDE FIRE FIGHTER AISLE
- PARKING DRIVEWAY
- PARKING STRIPING
- PARKING SPACE (TYP)

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8-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

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121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-242-3321 FAX: 800-772-8304

PROPOSED NEW MIXED USE DEVELOPMENT FOR:

MORRIS COURT APARTMENTS

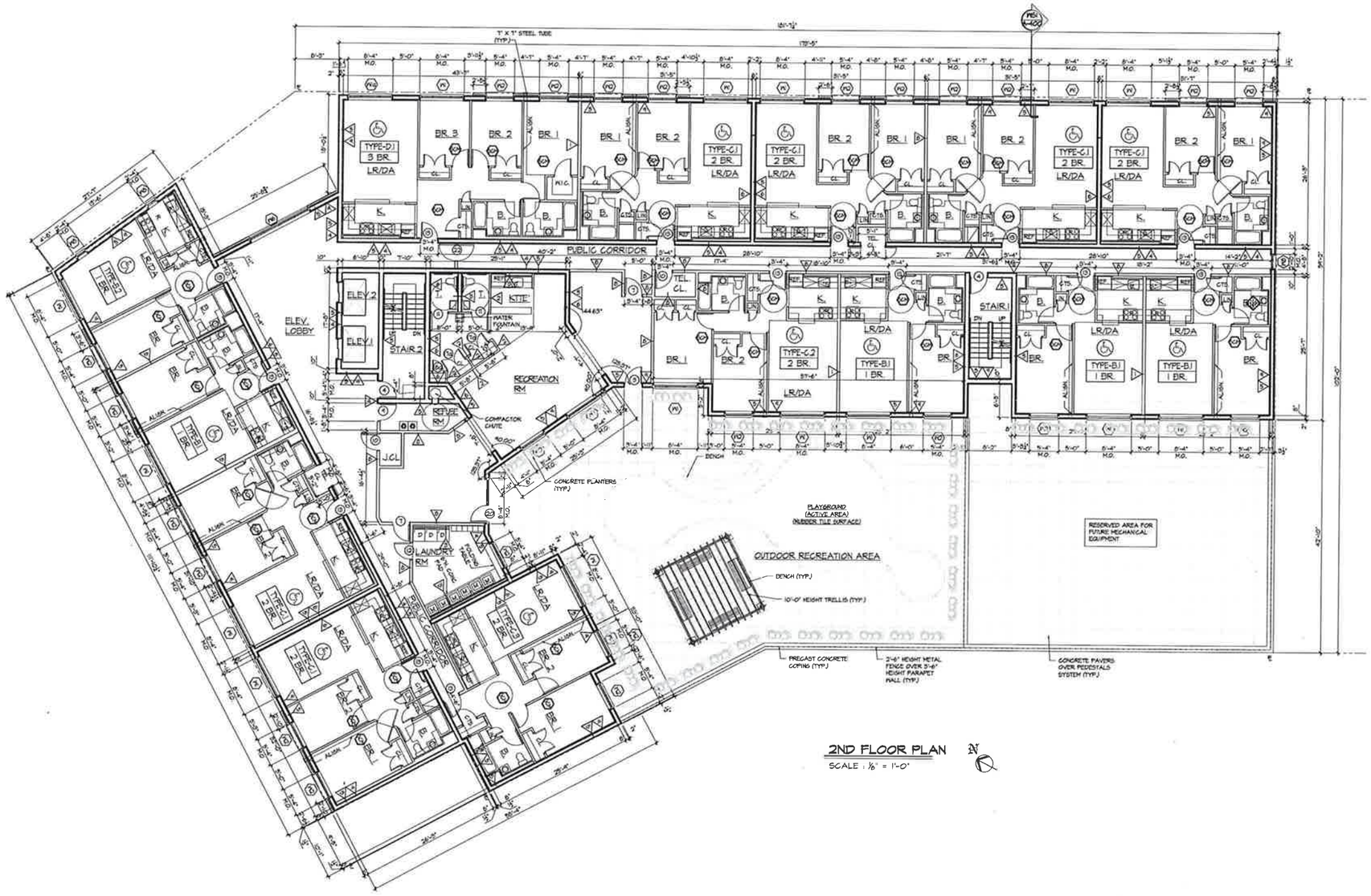
2310 & 2314-18 BEECH STREET, BRONX, NY 10468

BUILDING "A"
MEZZANINE FLOOR PLAN

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	
DRAWING NO:	A-102.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087171

P0920_A_A-102



2ND FLOOR PLAN

SCALE : 1/8" = 1'-0"

WALL TYPE LEGEND:

1 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE 'X' GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 5/8" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT.FIRESTOP SEALANT, WHICH EVER IS APPLICABLE. (GA FILE #MP-1052) (STC 50-54)

2 TYPICAL PARTITION - (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON EACH SIDE OF 2 5/8" METAL STUDS @ 16" O.C.

2A TYPICAL PARTITION - (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.

3 CHASEWALL - (1) LAYER 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2 5/8" METAL STUDS @ 16" O.C.

4 FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD OVER 3 5/8" METAL FURRING CHANNELS @ 16" O.C.

5 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AND FIREBAFFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK. (UL #U906)

6 FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD OVER 6" 2" METAL FURRING @ 16" O.C.

7 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON ONE SIDE OF 2 5/8" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE 'X' GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (GA FILE #MP-3016) (STC 45-49).

8 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE 'X' GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 5/8" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (GA FILE #MP-1522, STC 55-59)

9 FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON 6" 2" METAL FURRING @ 16" O.C. WITH 1 5/8" RIGID INSULATION (UNFACED) BETWEEN STUDS.

10 FURRING AT CMU WALL - (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON 3 5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 5/8" (R-15) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL.)

11 3 HOUR RATED CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT.GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIREBAFFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK. (UL #U914) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)

12 2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS 5/8" TYPE 'X' GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 1/2" GYPSUM SHEATHING (EXTERIOR SIDE) AND 3 1/2" (R-21) UNFACED BATT INSULATION BETWEEN STUDS. (UL #U424)

NOTES

FOR TOILET ELEVATIONS, SEE DRAWING A-XXX.

1. FOR KITCHEN ELEVATIONS, SEE DRAWING A-XXX.
2. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
3. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.
4. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
5. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A 6"7" BD SOFFIT - SEE SPRINKLER DWG'S AND DET. XX ON DWG A-XXX
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-XXX
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH.
9. CONTRACTOR SHALL COORDINATE SIZE &LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.

NOTES, CONTINUED

10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH PYROWRAP EZ 15 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLANS ON DWGS. A-100 THRU A-105 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE.
- PARTITION - SEE WALL TYPE LEGEND

LEGEND, CONTINUED

- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-601
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-605
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT
- 30" x 48" CLEAR FOR PARALLEL APPROACH

LEGEND, CONTINUED

- 36" WIDE FIRE FIGHTER AISLE
- 24" WIDE FIRE FIGHTER AISLE
- PARKING DRIVEWAY
- PARKING STRIPING
- PARKING SPACE (TYP)

P0920_A_A-102

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8-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

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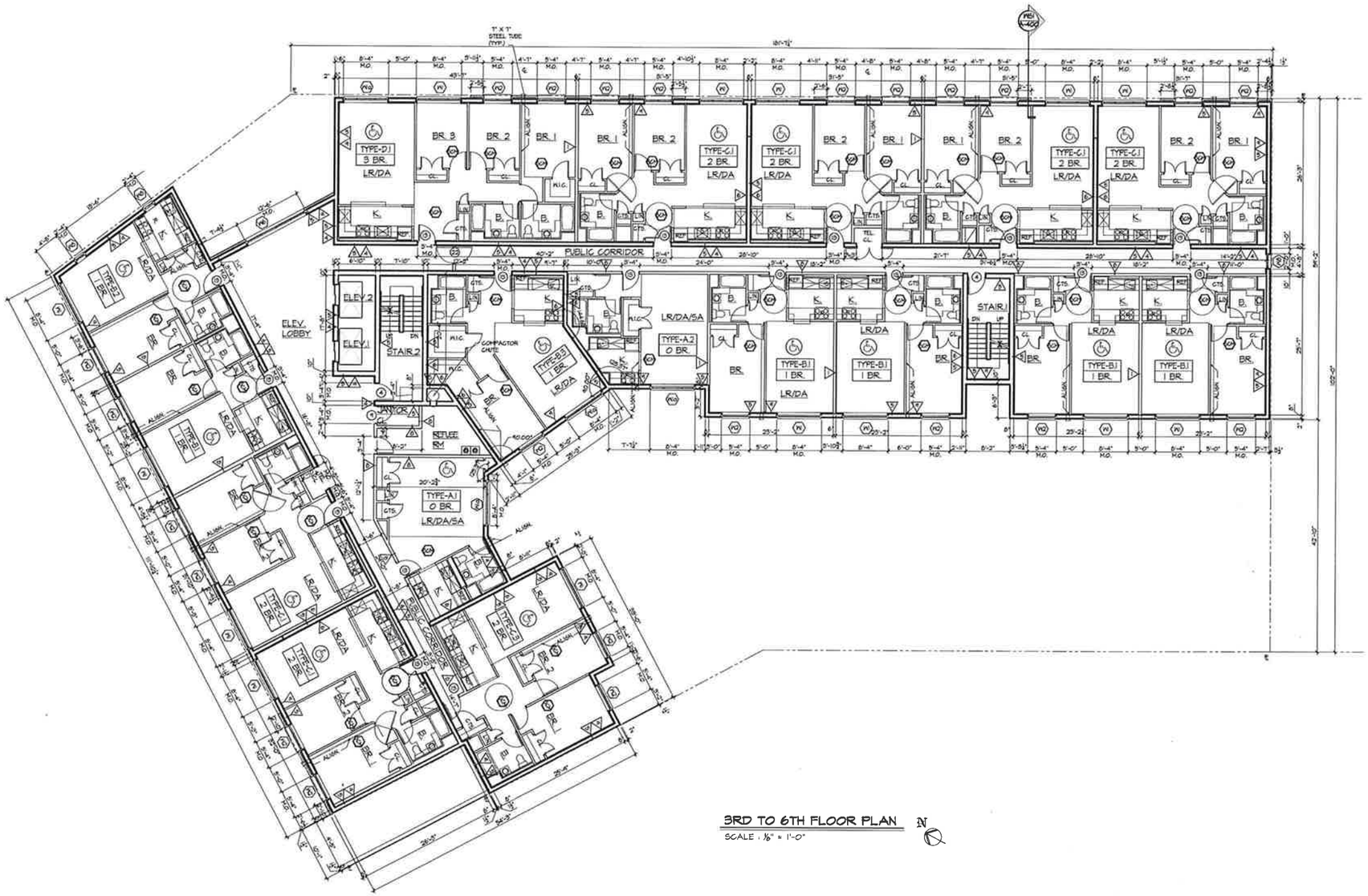
121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-242-1321 FAX: 800-773-8534

PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
2510 BARBER STREET BRUNSWICK, NY 11206-3456

BUILDING "A"
2nd FLOOR PLAN

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	
DRAWING NO:	A-103.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087171



3RD TO 6TH FLOOR PLAN

SCALE : 1/8" = 1'-0"

N

WALL TYPE LEGEND:

1. 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF ⅝" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF ⅝" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3⅝" METAL STUDS @ 16" O.C. WITH 3½" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK PV CONT.FIRESTOP SEALANT, WHICH EVER IS APPLICABLE. (GA FILE #WP-1052) (STC 50-54)
2. TYPICAL PARTITION - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2½" METAL STUDS @ 16" O.C.
3. TYPICAL PARTITION - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3⅝" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.
4. CHASEWALL - (1) LAYER ⅝" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2½" METAL STUDS @ 16" O.C.
5. FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD OVER ⅞" METAL FURRING CHANNELS @ 16" O.C.
6. 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AND FIREBATHS INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U406)
7. FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD OVER ½" 2" METAL FURRING @ 16" O.C.
8. 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF ⅝" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2½" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (GA FILE #WP-1098) (STC 45-49).
9. 2 HOUR RATED PARTITION - (2) LAYERS ⅝" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3⅝" (20 GA.) METAL STUDS @ 16" O.C. WITH 3½" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (GA FILE #WP-1522, STC 55-59).
10. FURRING AT EXTERIOR CMU WALL - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD ON 1½" 2" METAL FURRING @ 16" O.C. WITH 1½" RIGID INSULATION (UNFACED) BETWEEN STUDS.
11. FURRING AT CMU WALL - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD ON 3⅝" GALV. METAL STUDS @ 16 O.C. WITH 3½" (R-15) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL.)
12. 3 HOUR RATED CMU WALL - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD OVER ⅞" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT.GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIREBATHS INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U414) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)
13. 2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS ⅝" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 4" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER ½" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 ½" (R-21) UNFACED BATT INSULATION BETWEEN STUDS. (UL #U424)

NOTES

FOR TOILET ELEVATIONS, SEE DRAWING A-XXX.

1. FOR KITCHEN ELEVATIONS, SEE DRAWING A-XXX.
2. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
3. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.
4. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
5. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-XXX
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-XXX.
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH.
9. CONTRACTOR SHALL COORDINATE SIZE & LOCATION OF ALL MASONRY OPENINGS ON ELEVATOR WITH ELEVATOR VENDOR.

NOTES, CONTINUED

10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH PYRENRAP EZ 1.5 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE.
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLAND ON DWGS. A-100 THRU A-105 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE.
- PARTITION - SEE WALL TYPE LEGEND

LEGEND, CONTINUED

- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-601
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT
- 30" x 48" CLEAR FOR PARALLEL APPROACH

LEGEND, CONTINUED

- 36" WIDE FIRE FIGHTER AISLE
- 24" WIDE FIRE FIGHTER AISLE
- PARKING DRIVEWAY
- PARKING STRIPING
- PARKING SPACE (TYP)

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12-09-11	ISSUED TO H.P.D FOR REVIEW & COMMENT
8-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

HUGO S. SUBOTOVSKY AIA
[redacted]cts LLC
49 N. ARMONK ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0003
121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-243-5321 FAX: 800-772-8304

PROPOSED NEW MIXED USE DEVELOPMENT FOR:

MORRIS COURT APARTMENTS

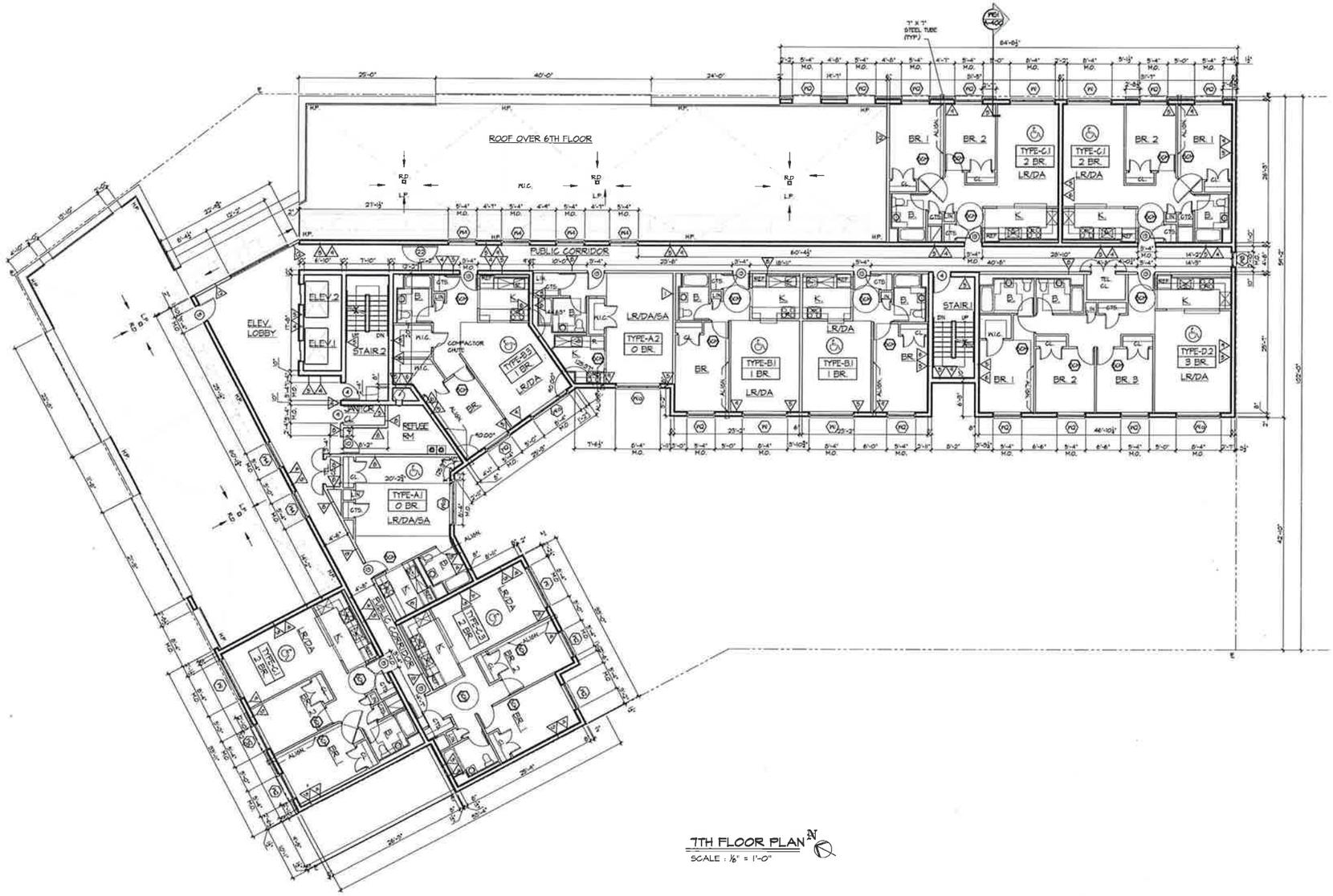
290 BAMBERGER STREET BRONX, NY 10464

BUILDING "A"
3RD TO 6TH FLOOR PLAN

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	
DRAWING NO:	A-104.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087171

P0920_A_A-103



7TH FLOOR PLAN

SCALE : 1/8" = 1'-0"

WALL TYPE LEGEND:

1. 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK PV CONT.FIRESTOP SEALANT, PROVIDED EVER IS APPLICABLE. (GA FILE #WP-1052) (STC 50-54)
2. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.
3. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.
4. CHASEWALL - (1) LAYER 1/2" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL STUDS @ 16" O.C.
5. FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL FURRING CHANNELS @ 16" O.C.
6. 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AND FIREPATING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL R-M105)
7. FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" 2" METAL FURRING @ 16" O.C.
8. 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 3 5/8" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (GA FILE #WP-1095) (STC 48-49)
9. 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (GA FILE #WP-1522, STC 55-59)
10. FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 7/8" 2" METAL FURRING @ 16" O.C. WITH 1 1/2" R-19 INSULATION (UNFACED) BETWEEN STUDS
11. FURRING AT CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 1/2" (R-13) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL)
12. 2 HOUR RATED CMU WALL - (1) LAYER 1/2" TYPE "X" GYPSUM BOARD OVER 3/4" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT.GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIREPATING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL R-M114) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)
13. 2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 1/2" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 1/2" (R-21) UNFACED BATT INSULATION BETWEEN STUDS. (UL #U424)

NOTES

1. FOR TOILET ELEVATIONS, SEE DRAWING A-XXX
   1. FOR KITCHEN ELEVATIONS, SEE DRAWING A-XXX.
2. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105
3. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.
4. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
5. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-XXX
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-XXX
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH.
9. CONTRACTOR SHALL COORDINATE SIZE &LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR

NOTES, CONTINUED

10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH PYROWRAP EZ 1.5 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE.
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLANS ON DWGS. A-100 THRU A-105 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE.
- PARTITION - SEE WALL TYPE LEGEND

LEGEND, CONTINUED

- LOUVER - SEE MECHANICAL DWGS, AND LOUVER SCHEDULE ON DWG. A-601
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- SCM COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT
- 30" x 48" CLEAR FOR PARALLEL APPROACH

LEGEND, CONTINUED

- 36" WIDE FIRE FIGHTER AISLE
- 24" WIDE FIRE FIGHTER AISLE
- PARKING DRIVEWAY
- PARKING STRIPING
- PARKING SPACE (TYP)

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8-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

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ARCHITECTS LLC
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121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-242-5321 FAX: 800-772-8304

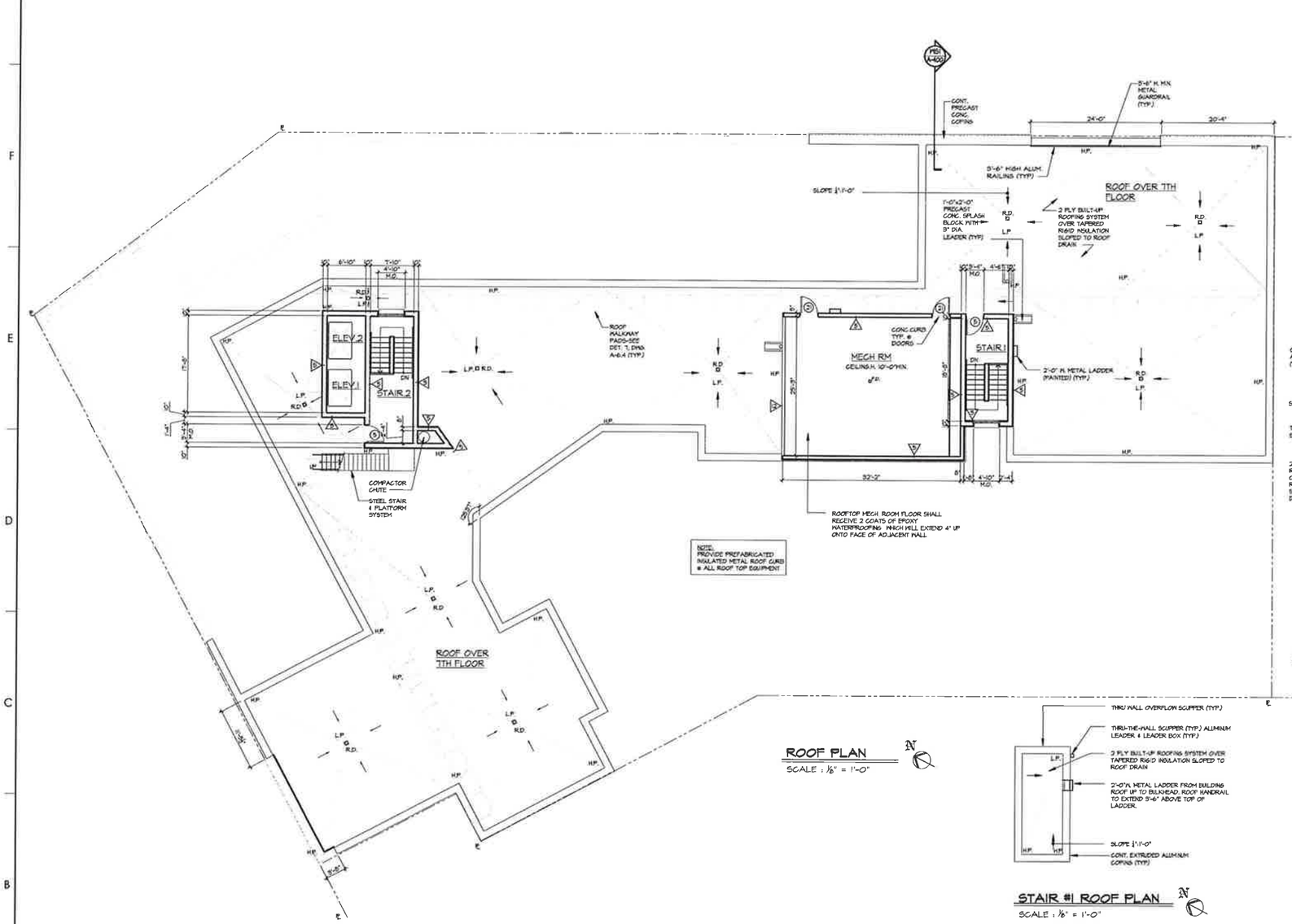
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
2081 & 2084 61ST STREET BROOKLYN, NY 11204, 5636

BUILDING "A"
7TH FLOOR PLAN

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	PC
DRAWING NO:	A-105.00
SCALE: AS NOTED	SHEET NO: X of XX

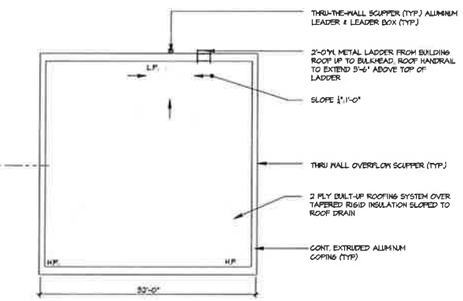
NYC DOB NUMBER: 220067171

P0920_A_A-104



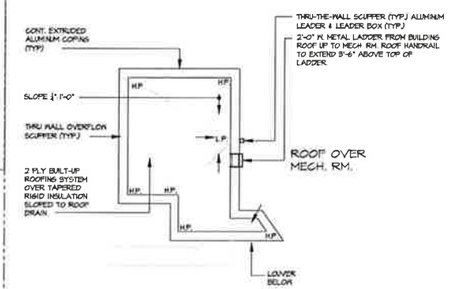
ROOF PLAN

SCALE : 1/8" = 1'-0"



ROOF OVER MECH RM.

SCALE : 1/8" = 1'-0"

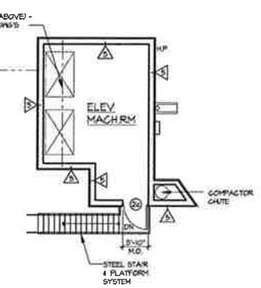


ROOF OVER ELEV. MACHINE RM PLAN

SCALE : 1/8" = 1'-0"

STAIR #1 ROOF PLAN

SCALE : 1/8" = 1'-0"



ELEV. MACH. ROOM

SCALE : 1/8" = 1'-0"

WALL TYPE LEGEND:

1. 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT. FIRESTOP SEALANT, WHICH EVER IS APPLICABLE. (GA FILE #HP-1052) (STC 50-54)
2. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.
2a. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.
3. CHASEWALL - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2 5/8" METAL STUDS @ 16" O.C.
4. FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" METAL FURRING CHANNELS @ 16" O.C.
5. 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U906)
6. FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1 5/8" 2" METAL FURRING @ 16" O.C.
7. 2 HOUR. RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2 5/8" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (GA FILE #HP-1049) (STC 45-49)
8. 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (GA FILE #HP-1522, STC 55-59)
9. FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1 5/8" 2" METAL FURRING @ 16" O.C. WITH 1 1/2" RIGID INSULATION (UNFACED) BETWEEN STUDS.
10. FURRING AT CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 1/2" (R-13) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL)
11. 2 HOUR RATED CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR. RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U914) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)
12. 2 HOUR RATED EXTERIOR METAL STUD WALL - (1) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 1/2" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 1/2" (R-20) UNFACED BATT INSULATION BETWEEN STUDS. (UL #U424)

NOTES

FOR TOILET ELEVATIONS, SEE DRAWING A-XXX

1. FOR KITCHEN ELEVATIONS, SEE DRAWING A-XXX.
2. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
3. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR
4. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
5. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-XXX
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-XXX.
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH
9. CONTRACTOR SHALL COORDINATE SIZE &LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.

NOTES, CONTINUED

10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH FYREWRAP EZ 1.5 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE.
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLANS ON DWGS. A-100 THRU A-105 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE
- PARTITION - SEE WALL TYPE LEGEND

LEGEND, CONTINUED

- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-601
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT
- 30" x 48" CLEAR FOR PARALLEL APPROACH

LEGEND, CONTINUED

- 36" WIDE FIRE FIGHTER AISLE
- 24" WIDE FIRE FIGHTER AISLE
- PARKING DRIVEWAY
- PARKING STRIPES
- PARKING SPACE (TYP)

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8-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

HUGO S. SUBOTOVSKY AIA
CTS LLC
49 N. ARMONK ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0005
121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-242-3321 FAX: 800-772-8304

PROPOSED NEW MIXED USE DEVELOPMENT FOR:

MORRIS COURT APARTMENTS

250 BLOOMFIELD STREET BRONX, NY 10454

BUILDING "A" ROOF PLANS

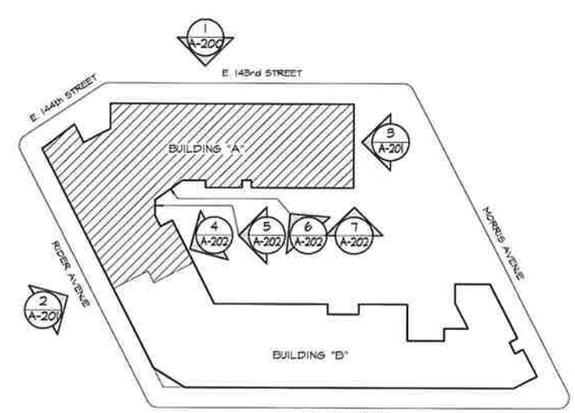
DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	PC
DRAWING NO:	A-106.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087171

P0920_A_A-104

DORMER CALCULATIONBUILDING "A"
60%-(1%.46 =59.54%
59.54% X 173'-6½"=42'-10"
REQ. 123-66(2)(

1 A-200 ELEVATION @ 143rd STREET
SCALE : 1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

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DATE	REVISIONS
12-09-11	ISSUED TO H.P.D FOR REVIEW & COMMENT
8-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

HUGO S. SUBOTOVSKY A.I.A.
[redacted]cts LLC
49 N. ARMONK ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0005
121 WEST 27TH STREET, NEW YORK,NY 10001 TEL: 212-243-0321 FAX: 800-772-8304

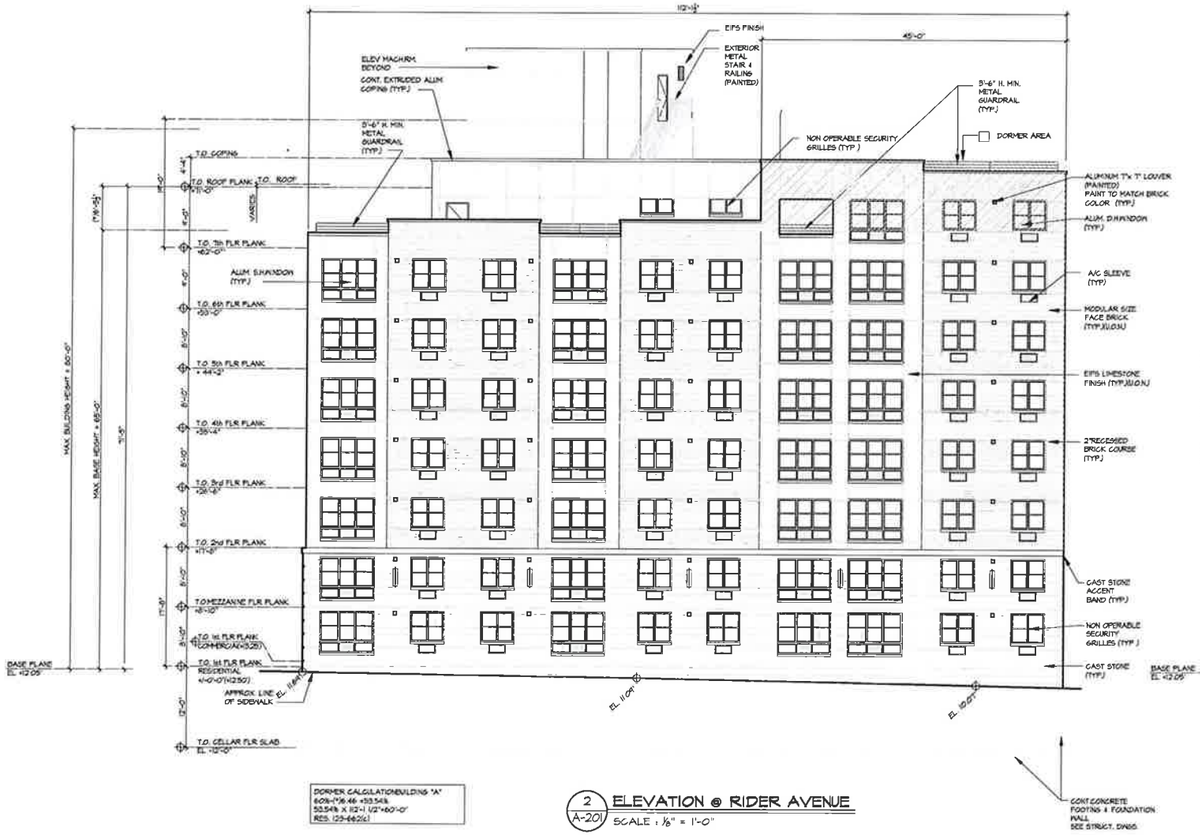
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
2960 RIDGE AVENUE BROOKLYN NY 11208666

BUILDING "A" EXTERIOR
ELEVATION @ 143rd STREET

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	
DRAWING NO:	A-200.00
SCALE: AS NOTED	SHEET NO: X of XX

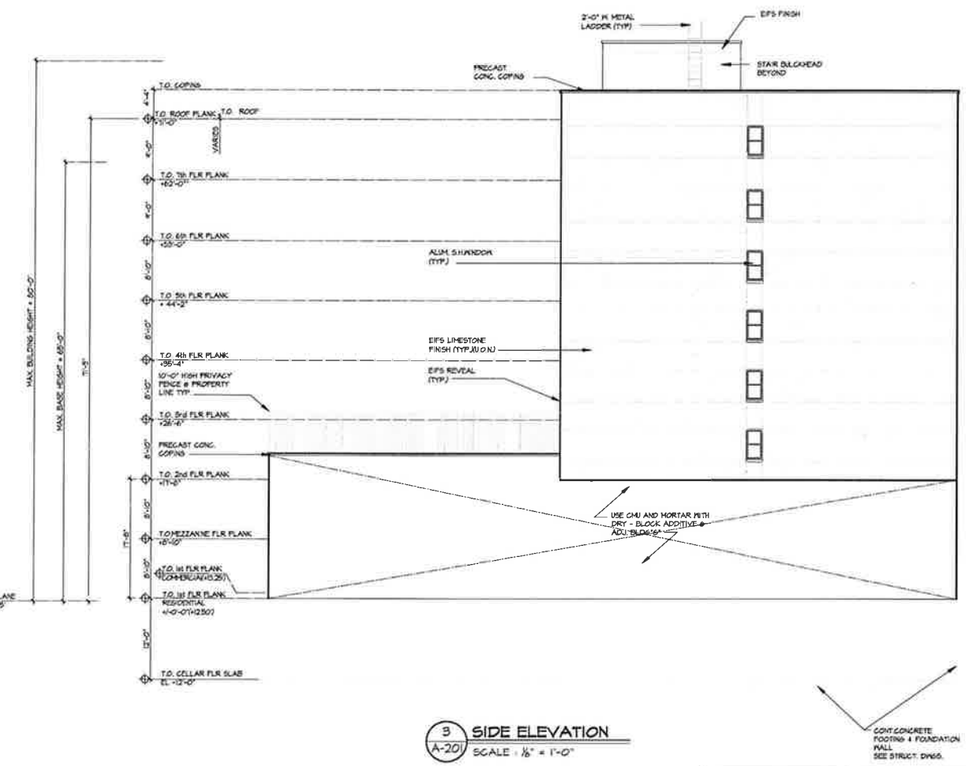
NYC DOB NUMBER: 220087171

P0920_A_A-200

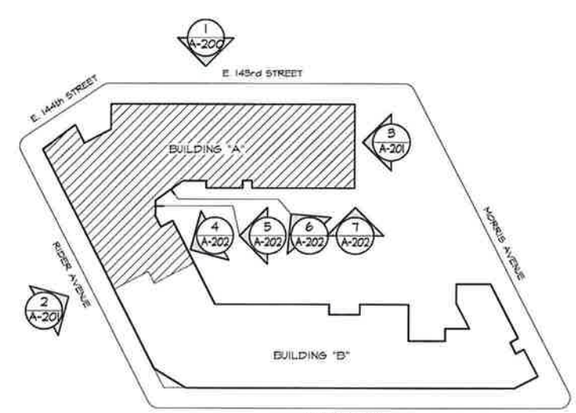


DORMER CALCULATIONS/BUILDING "A"
6.05-(7'-6.46 +53.54)
53.54ft. X 12'-1 1/2"=60'-0"
RES. (25-662(c)

2 A-201 ELEVATION @ RIDER AVENUE
SCALE : 1/8" = 1'-0"



3 A-201 SIDE ELEVATION
SCALE : 1/8" = 1'-0"



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8-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

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[redacted]cts LLC
49 N. ARMONK ROAD, SUFFERN, NY 10901 TEL: 845-369-0004 FAX: 845-369-0005
121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-242-5321 FAX: 800-772-8304

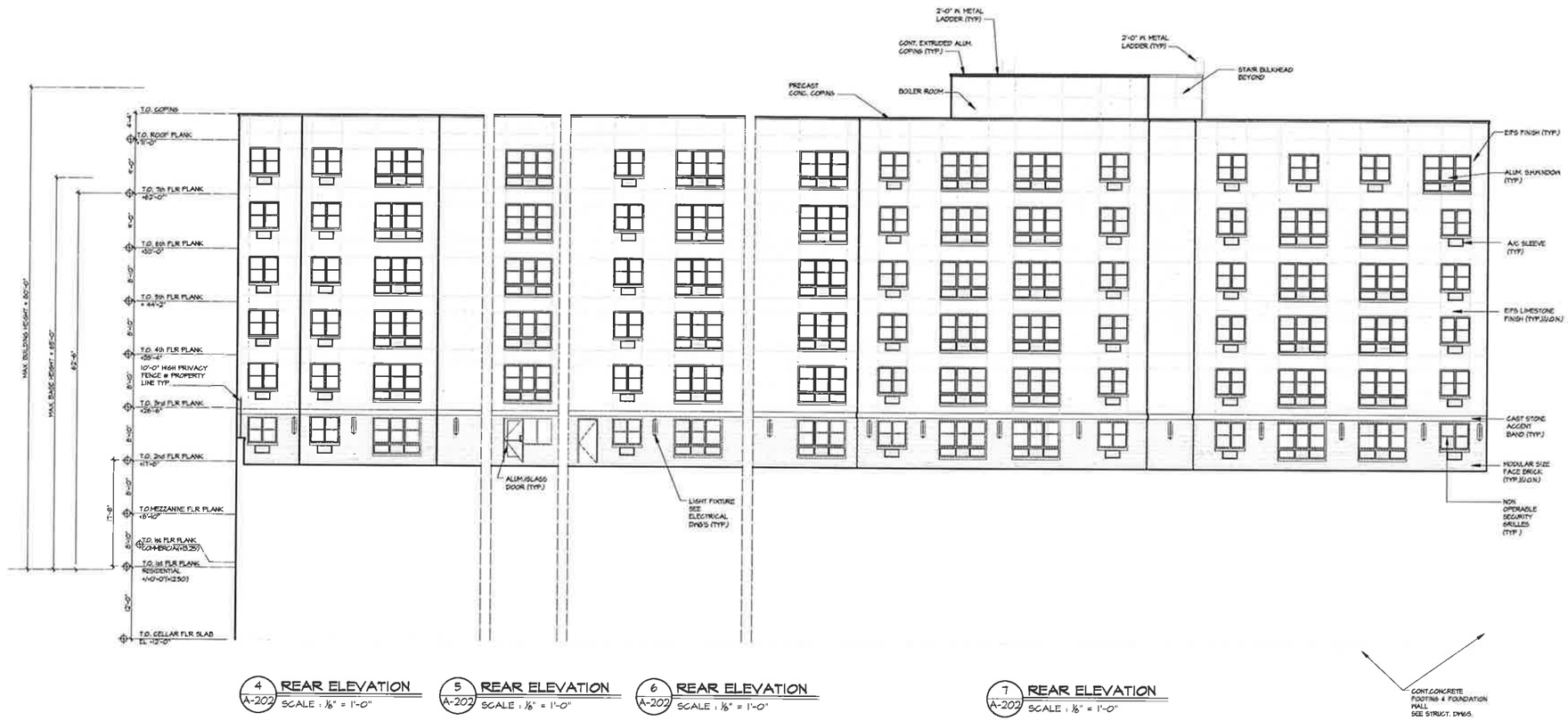
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
2540 (2516) RIDER AVENUE, BROOKLYN, NY 11 (10456)

BUILDING "A"
EXTERIOR ELEVATIONS

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	PC
DRAWING NO:	A-201.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087171

P0920_A_A-201

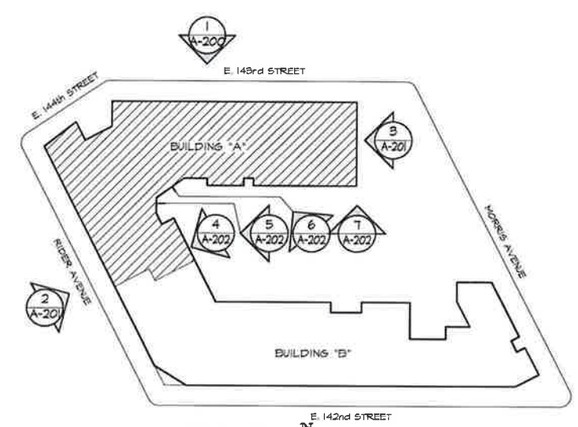


4 A-202 REAR ELEVATION
SCALE : 1/8" = 1'-0"

5 A-202 REAR ELEVATION
SCALE : 1/8" = 1'-0"

6 A-202 REAR ELEVATION
SCALE : 1/8" = 1'-0"

7 A-202 REAR ELEVATION
SCALE : 1/8" = 1'-0"



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8-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

HUGO S. SUBOTOVSKY AIA
[redacted]CTS LLC
49 N. ARMONK ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0005
121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-243-3321 FAX: 800-772-8304

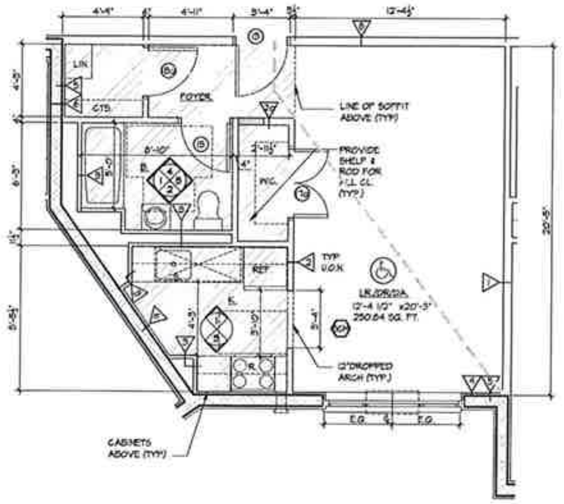
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
[redacted]

BUILDING "A"
EXTERIOR ELEVATIONS

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	PC
DRAWING NO:	A-202.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087171

P0920_A_A-202



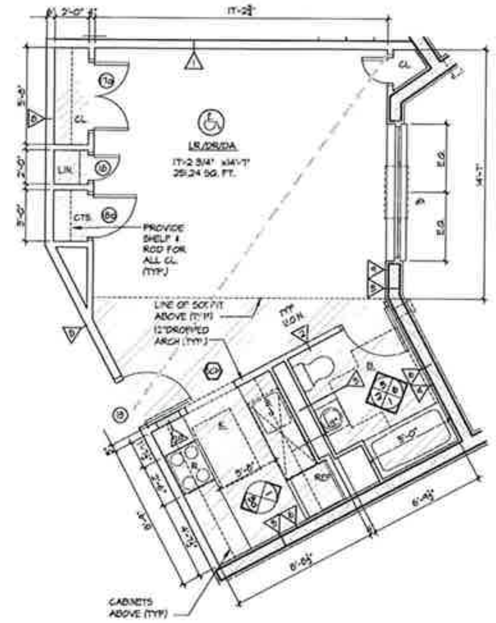
APARTMENT TYPE A.2

SCALE : 1/4" = 1'-0"

G.F.A. 514.37 SQ. FT.

EXIT ACCESS DISTANCE 25'-1 1/2"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	5'-0"	7'-1"
SHELVING (LINEAR FEET)	50'-0"	56'-4"



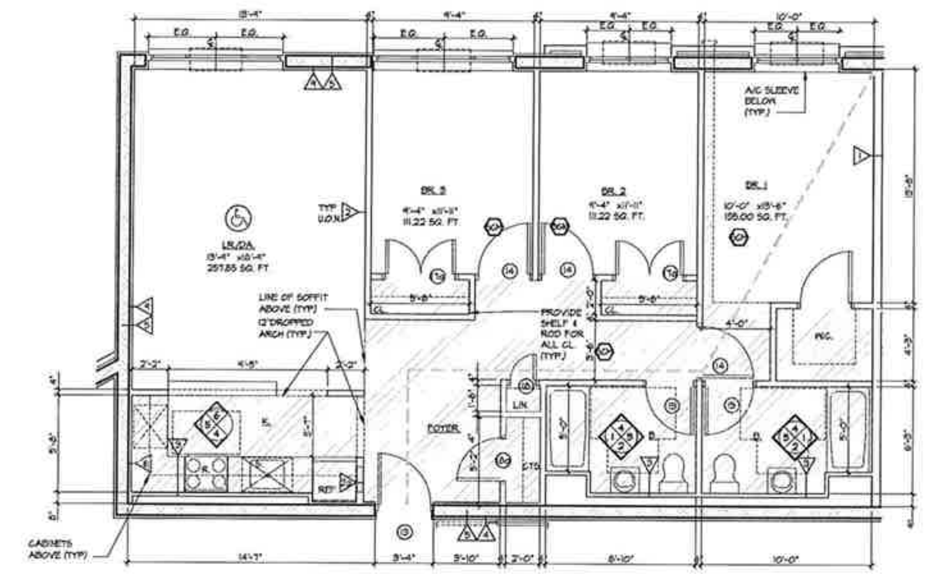
APARTMENT TYPE A.1

SCALE : 1/4" = 1'-0"

G.F.A. 547.43 SQ. FT.

EXIT ACCESS DISTANCE 25'-6 1/4"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	5'-0"	10'-3"
SHELVING (LINEAR FEET)	50'-0"	43'-05"



APARTMENT TYPE D.1

SCALE : 1/4" = 1'-0"

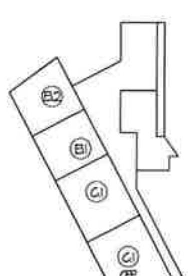
G.F.A. 1204.75 SQ. FT.

EXIT ACCESS DISTANCE 45'-3 1/4"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	8'-0"	8'-3"
SHELVING (LINEAR FEET)	55'-0"	62'-11"

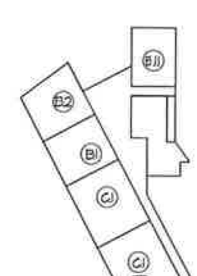
MORRIS COURT APARTMENTS - BUILDING A LIGHT AND VENTILATION SCHEDULE

ROOM NAME	FLOOR AREA (sq.ft.)	LIGHT 10% REQ	LIGHT PROV.	VENT 5% REQ	VENT PROV.
APT. TYPE - A1					
LIVING/DINING/SLEEPINGAREA	250	25.00	30.18	12.50	17.71
APT. TYPE - A2					
LIVING/DINING/SLEEPINGAREA	251	25.10	30.18	12.55	17.71
APT. TYPE - B1					
BEDROOM 1	141	14.10	15.65	7.05	7.09
LIVING/DINING	210	21.00	32.30	10.50	11.40
APT. TYPE - B2					
BEDROOM 1	139	13.90	15.65	6.95	7.09
LIVING/DINING	212	21.20	32.30	10.60	11.40
APT. TYPE - B3					
BEDROOM 1	140	14.00	15.65	7.00	7.09
LIVING/DINING	240	24.00	30.18	12.00	17.71
APT. TYPE - C1					
BEDROOM 1	131	13.10	15.65	6.55	7.09
BEDROOM 2	113	11.30	15.65	5.65	7.09
LIVING/DINING	211	21.10	32.30	10.55	11.40
APT. TYPE - C2					
BEDROOM 1	138	13.80	15.65	6.90	7.09
BEDROOM 2	119	11.90	32.30	5.95	11.40
LIVING/DINING	212	21.20	32.30	10.60	11.40
APT. TYPE - C3					
BEDROOM 1	130	13.50	32.30	6.95	11.40
BEDROOM 2	122	12.20	15.65	6.10	7.09
LIVING/DINING	213	21.30	30.18	10.65	17.71
APT. TYPE - D1					
BEDROOM 1	135	13.50	15.65	6.75	11.40
BEDROOM 2	111	11.10	15.65	5.55	7.09
BEDROOM 3	111	11.10	15.65	5.55	11.40
LIVING/DINING	257	25.70	30.18	12.85	17.71
APT. TYPE - D1					
BEDROOM 1	132	13.20	24.08	6.60	10.90
BEDROOM 2	127	12.70	15.65	6.35	7.09
BEDROOM 3	123	12.30	32.30	6.15	11.40
LIVING/DINING	264	26.40	30.18	13.20	17.71



KEY PLAN 1ST FLOOR PLAN

SCALE : 1/32" = 1'-0"



KEY PLAN MEZZANINE FLOOR PLAN

SCALE : 1/32" = 1'-0"

WALL TYPE LEGEND:

1. 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT.FIRESTOP SEALANT, WHICH EVER IS APPLICABLE (GA FILE #WP-1052) (STC 50-54)
2. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.

2a. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.

3. CHASEWALL - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL STUDS @ 16" O.C.
4. FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL FURRING CHANNELS @ 16" O.C.
5. 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U906)
6. FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1/2" 'Z' METAL FURRING @ 16" O.C.
7. 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (GA FILE #WP-7095) (STC 45-49).
8. 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT (GA FILE #WP-1522, STC 55-59).
9. FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1 1/2" 'Z' METAL FURRING @ 16" O.C. WITH 1 1/2" RIGID INSULATION (UNFACED) BETWEEN STUDS.
10. FURRING AT CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 1/2" (R-15) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL.)
11. 3 HOUR RATED CMU WALL - (1) LAYER 1/2" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT.GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U914) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)
12. 2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 1/2" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 1/2" (R-21) UNFACED BATT INSULATION BETWEEN STUDS. (UL #U424)

NOTES

FOR TOILET ELEVATIONS, SEE DRAWING A-XXX

1. FOR KITCHEN ELEVATIONS, SEE DRAWING A-XXX.
2. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
3. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR
4. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
5. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-XXX
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-XXX
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH
9. CONTRACTOR SHALL COORDINATE SIZE & LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.

NOTES, CONTINUED

10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH FYREWRAP EZ 1.5 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLANS ON DWGS. A-100 THRU A-105 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE.
- PARTITION - SEE WALL TYPE LEGEND

LEGEND, CONTINUED

- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-601
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT
- 30" x 48" CLEAR FOR PARALLEL APPROACH

LEGEND, CONTINUED

- 36" WIDE FIRE FIGHTER AISLE
- 24" WIDE FIRE FIGHTER AISLE
- PARKING DRIVEWAY
- PARKING STRIPING
- PARKING SPACE (TYP)

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08-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

HUGO S. SUBOTOVSKY AIA
[redacted]cts LLC
49 N. AIRMONT ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0005
121 WEST 27TH STREET, NEW YORK,NY 10001 TEL: 212-242-5321 FAX: 800-772-8304

PROPOSED NEW MIXED USE DEVELOPMENT FOR:

MORRIS COURT APARTMENTS

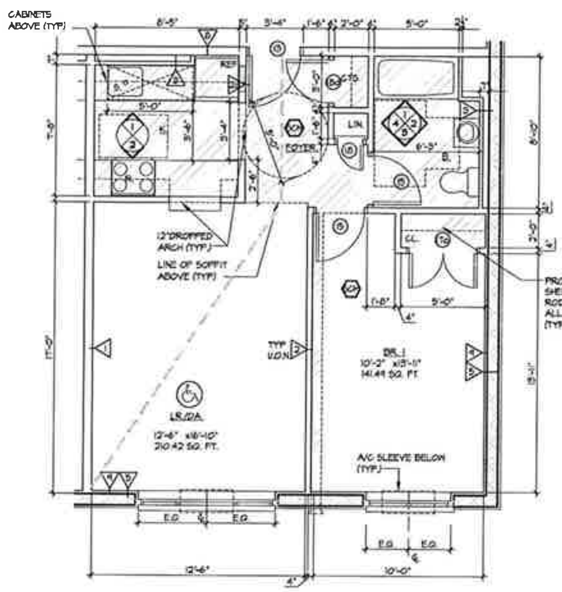
[illegible]

BUILDING "A"
TYPICAL APARTMENTS LAYOUTS

DATE:	7-9-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	PC
DRAWING NO:	A-500.00
SCALE:	AS NOTED
SHEET NO:	X of XX
NYC DOB NUMBER:	220087171

P0920_A_A-500

APARTMENT TYPE B.1



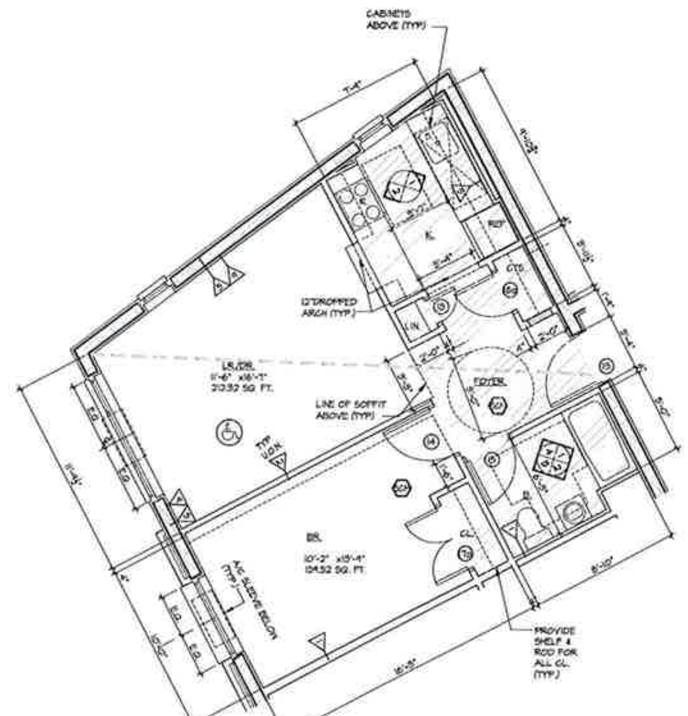
SCALE : 1/4" = 1'-0"

G.F.A. 620.07 SQ. FT.

EXIT ACCESS DISTANCE 28'-6 1/2"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	6'-0"	8'-7"
SHELVING (LINEAR FEET)	40'-0"	45'-0"

APARTMENT TYPE B.2



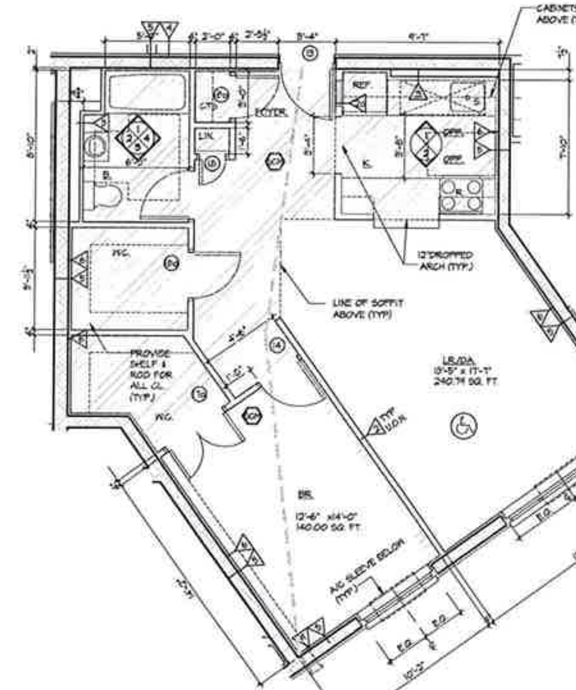
SCALE : 1/4" = 1'-0"

G.F.A. 646.06 SQ. FT.

EXIT ACCESS DISTANCE 29'-3 1/2"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	6'-0"	10'-11"
SHELVING (LINEAR FEET)	40'-0"	47'-0½"

APARTMENT TYPE B.3



SCALE : 1/4" = 1'-0"

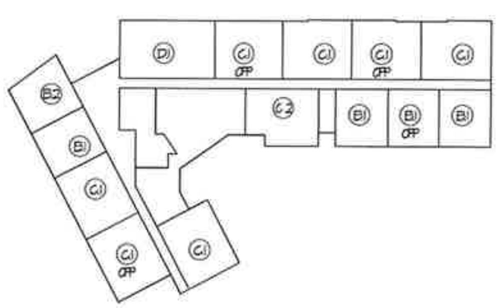
G.F.A. 575.24 SQ. FT.

EXIT ACCESS DISTANCE 34'-6 3/4"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	6'-0"	10'-11"
SHELVING (LINEAR FEET)	40'-0"	47'-0½"

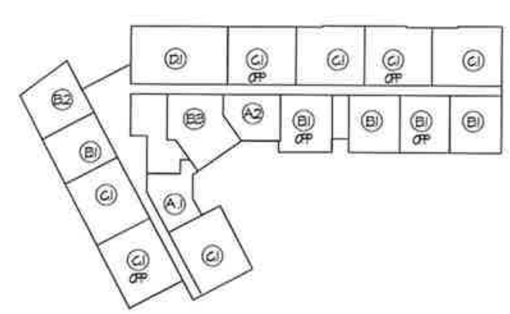
MORRIS COURT APARTMENTS - BUILDING A
LIGHT AND VENTILATION SCHEDULE

ROOM NAME	FLOOR AREA (sq.ft.)	LIGHT 10% REQ.	LIGHT PROV.	VENT 5% REQ.	VENT PROV.
APT. TYPE - A1					
LIVING/DINING/SLEEPING AREA	250	25.00	30.18	12.50	17.71
APT. TYPE - A2					
LIVING/DINING/SLEEPING AREA	253	25.30	30.18	12.65	17.71
APT. TYPE - B1					
BEDROOM 1	141	14.10	15.65	7.05	7.00
LIVING/DINING	210	21.00	32.30	10.50	11.49
APT. TYPE - B2					
BEDROOM 1	139	13.90	15.65	6.95	7.00
LIVING/DINING	212	21.20	32.30	10.60	11.49
APT. TYPE - B3					
BEDROOM 1	140	14.00	15.65	7.00	7.00
LIVING/DINING	240	24.00	30.18	12.00	17.71
APT. TYPE - C1					
BEDROOM 1	131	13.10	15.65	6.55	7.00
BEDROOM 2	113	11.30	15.65	5.65	7.00
LIVING/DINING	211	21.10	32.30	10.55	11.49
APT. TYPE - C2					
BEDROOM 1	138	13.80	15.65	6.90	7.00
BEDROOM 2	119	11.90	32.30	5.95	11.49
LIVING/DINING	212	21.20	32.30	10.60	11.49
APT. TYPE - C3					
BEDROOM 1	139	13.90	32.30	6.95	11.49
BEDROOM 2	122	12.20	15.65	6.10	7.00
LIVING/DINING	213	21.30	30.18	10.65	17.71
APT. TYPE - D1					
BEDROOM 1	135	13.50	15.65	6.75	11.49
BEDROOM 2	111	11.10	15.65	5.55	7.00
BEDROOM 3	111	11.10	15.65	5.55	11.49
LIVING/DINING	257	25.70	30.18	12.85	17.71
APT. TYPE - D1					
BEDROOM 1	132	13.20	24.08	6.60	10.90
BEDROOM 2	127	12.70	15.65	6.35	7.00
BEDROOM 3	123	12.30	32.30	6.15	11.49
LIVING/DINING	264	26.40	30.18	13.20	17.71



KEY PLAN 2ND FLOOR PLAN

SCALE : 1/32" = 1'-0"



KEY PLAN 3RD TO 6TH FLOOR PLAN

SCALE : 1/32" = 1'-0"

WALL TYPE LEGEND:

1. 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT.FIRESTOP SEALANT, WHICH EVER IS APPLICABLE. (GA FILE #WP-1052) (STC 50-54)
2. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.
2a. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.
3. CHASEWALL - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL STUDS @ 16" O.C.
4. FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL FURRING CHANNELS @ 16" O.C.
5. 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U906)
6. FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1/2" "Z" METAL FURRING @ 16" O.C.
7. 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (GA FILE #WP-7095) (STC 45-49)
8. 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT (GA FILE #WP-1522, STC 55-59)
9. FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1/2" "Z" METAL FURRING @ 16" O.C. WITH 1 1/2" RIGID INSULATION (UNFACED) BETWEEN STUDS.
10. FURRING AT CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV METAL STUDS @ 16 O.C. WITH 3 1/2" (R-15) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL.)
11. 3 HOUR RATED CMU WALL - (1) LAYER 1/2" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT.GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U414) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)
12. 2 HOUR RATED EXTERIOR METAL STUD WALL - (1) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 1/2" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 1/2" (R-21) UNFACED BATT INSULATION BETWEEN STUDS. (UL #U424)

NOTES

FOR TOILET ELEVATIONS, SEE DRAWING A-XXX
1. FOR KITCHEN ELEVATIONS, SEE DRAWING A-XXX
2. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105
3. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR
4. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600
5. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-XXX
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-XXX
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH
9. CONTRACTOR SHALL COORDINATE SIZE &LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR

NOTES, CONTINUED

10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH FYREWRAP EZ 1.5 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE.
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLANS ON DWGS A-100 THRU A-105 & DOOR SCHEDULE ON DWG A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE.
- PARTITION - SEE WALL TYPE LEGEND

LEGEND, CONTINUED

- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-601
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT
- 30" x 48" CLEAR FOR PARALLEL APPROACH

LEGEND, CONTINUED

- 36" WIDE FIRE FIGHTER AISLE
- 24" WIDE FIRE FIGHTER AISLE
- PARKING DRIVEWAY
- PARKING STRIPING
- PARKING SPACE (TYP)

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DATE	REVISIONS
12-09-11	ISSUED TO H.P.D. FOR REVIEW & COMMENT
08-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

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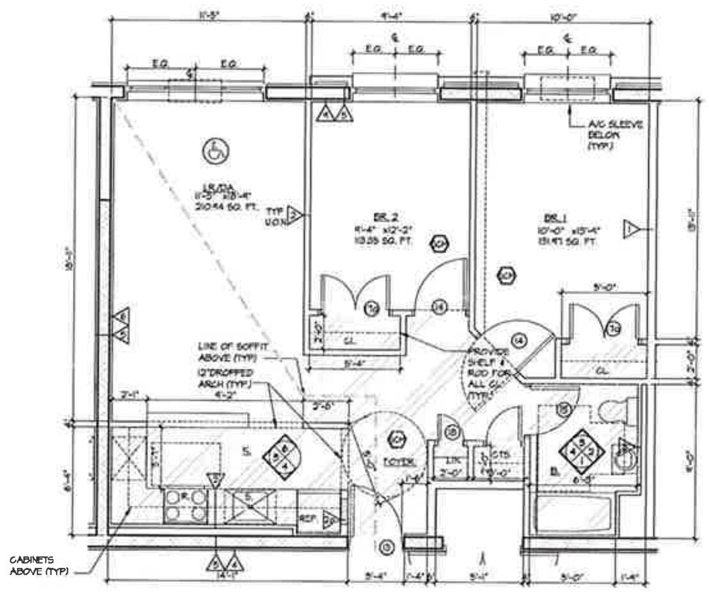
121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-242-5321 FAX: 800-772-8304

PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS

BUILDING "A"
TYPICAL APARTMENTS LAYOUTS

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	
CHECKED BY:	
DRAWING NO:	A-501.00
SCALE: AS NOTED	SHEET NO: X of XX
NYC DOB NUMBER:	220087171



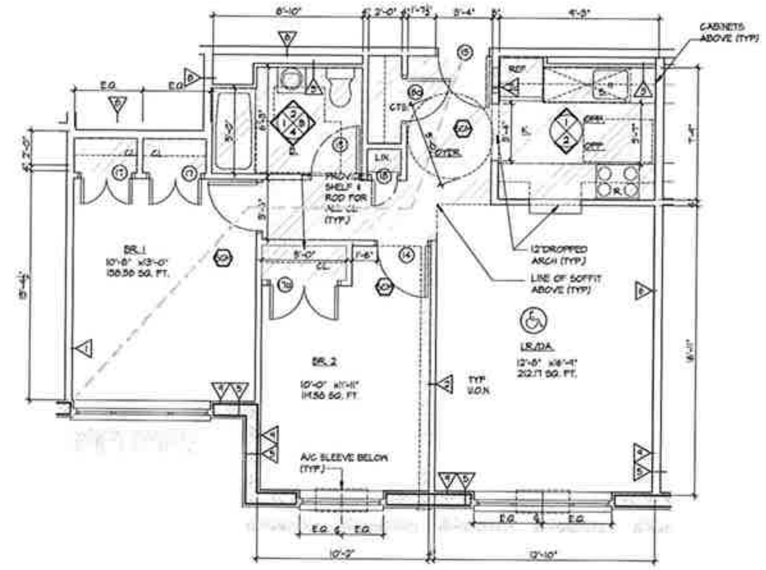
APARTMENT TYPE C.1

SCALE : 1/4" = 1'-0"

G.F.A. 848.00 SQ. FT.

EXIT ACCESS DISTANCE 33'-10 1/2"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	7'-0"	7'-10"
SHELVING (LINEAR FEET)	50'-0"	60'-10"



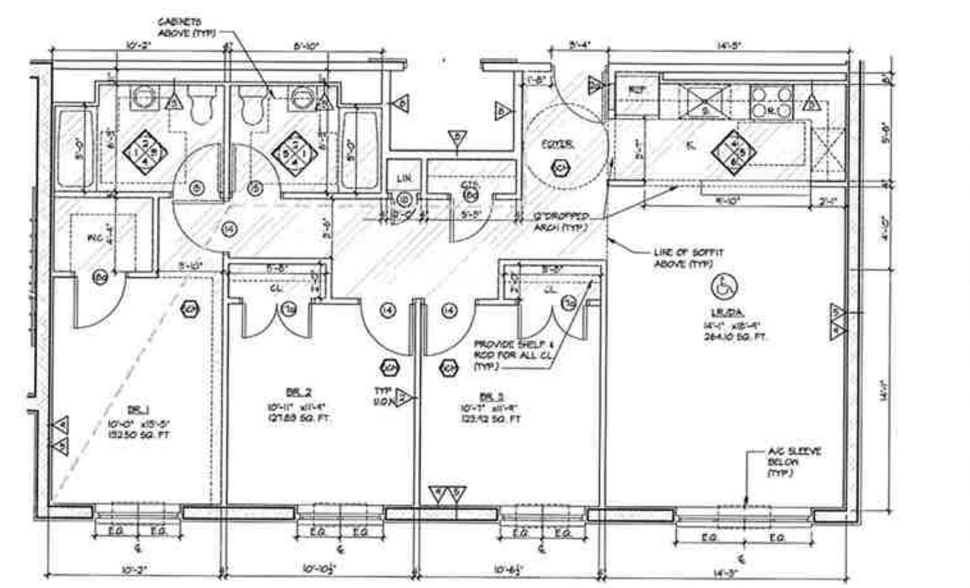
APARTMENT TYPE C.2

SCALE : 1/4" = 1'-0"

G.F.A. 844.18 SQ. FT.

EXIT ACCESS DISTANCE 34'-0 3/4"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	7'-0"	7'-10"
SHELVING (LINEAR FEET)	50'-0"	60'-10"



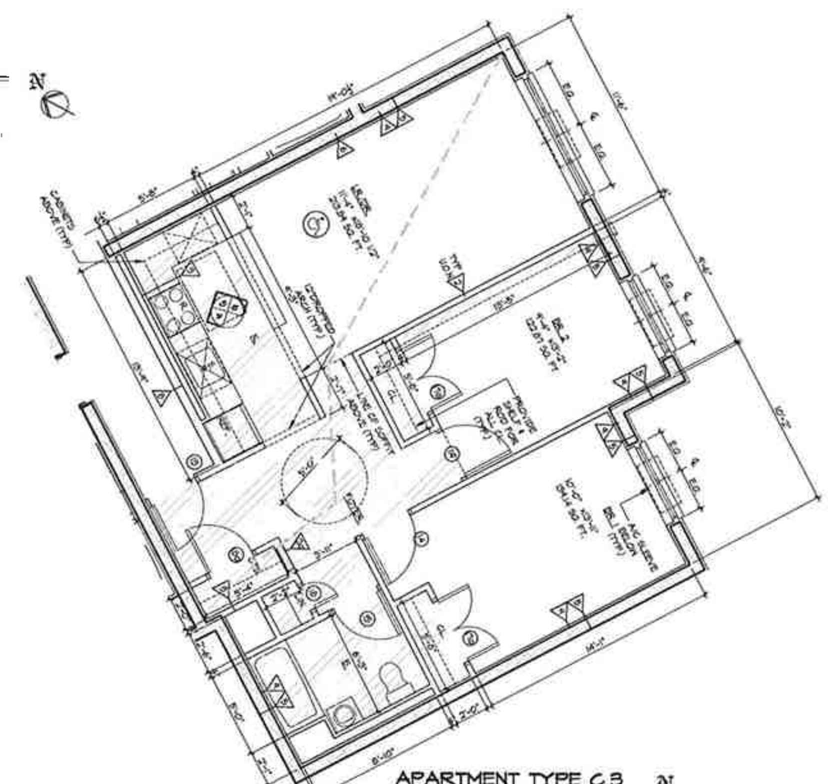
APARTMENT TYPE D.2

SCALE : 1/4" = 1'-0"

G.F.A. 1,108 SQ.FT.

EXIT ACCESS DISTANCE 45'-6 3/4"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	8'-0"	8'-0"
SHELVING (LINEAR FEET)	56'-0"	68'-11"



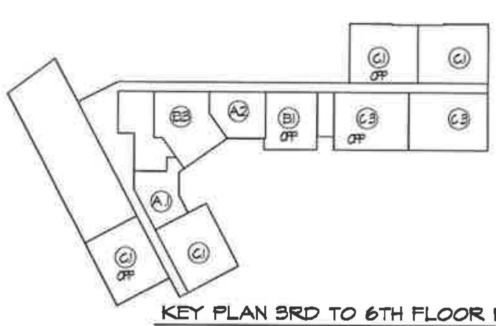
APARTMENT TYPE C.3

SCALE : 1/4" = 1'-0"

G.F.A. 916.36 SQ. FT.

EXIT ACCESS DISTANCE 34'-1 1/4"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	7'-0"	7'-10"
SHELVING (LINEAR FEET)	50'-0"	60'-10"



KEY PLAN 3RD TO 6TH FLOOR PLAN

SCALE : 1/32" = 1'-0"

MORRIS COURT APARTMENTS - BUILDING A LIGHT AND VENTILATION SCHEDULE

ROOM NAME	FLOOR AREA (sq.ft.)	LIGHT		VENT	
		10% REQ	PROV.	5% REQ	PROV.
APT. TYPE - A1					
LIVING/ DINING/ SLEEPING AREA	250	25.00	30.18	12.50	17.71
APT. TYPE - A2					
LIVING/ DINING/ SLEEPING AREA	251	25.10	30.18	12.55	17.71
APT. TYPE - B1					
BEDROOM 1	141	14.10	15.65	7.05	7.00
LIVING/ DINING	210	21.00	32.39	10.50	11.49
APT. TYPE - B2					
BEDROOM 1	139	13.90	15.65	6.95	7.00
LIVING/ DINING	212	21.20	32.30	10.60	11.49
APT. TYPE - B3					
BEDROOM 1	140	14.00	15.65	7.00	7.00
LIVING/ DINING	240	24.00	30.18	12.00	17.71
APT. TYPE - C1					
BEDROOM 1	131	13.10	15.65	6.55	7.00
BEDROOM 2	113	11.30	15.65	5.65	7.00
LIVING/ DINING	211	21.10	32.30	10.55	11.49
APT. TYPE - C2					
BEDROOM 1	138	13.80	15.65	6.90	7.00
BEDROOM 2	119	11.90	32.30	5.95	11.49
LIVING/ DINING	212	21.20	32.30	10.60	11.49
APT. TYPE - C3					
BEDROOM 1	130	13.00	32.30	6.95	11.49
BEDROOM 2	122	12.20	15.65	6.10	7.00
LIVING/ DINING	213	21.30	30.18	10.65	17.71
APT. TYPE - D1					
BEDROOM 1	135	13.50	15.65	6.75	11.49
BEDROOM 2	111	11.10	15.65	5.55	7.00
BEDROOM 3	111	11.10	15.65	5.55	11.49
LIVING/ DINING	257	25.70	30.18	12.85	17.71
APT. TYPE - D1					
BEDROOM 1	132	13.20	24.08	6.60	10.00
BEDROOM 2	127	12.70	15.65	6.35	7.00
BEDROOM 3	123	12.30	32.30	6.15	11.49
LIVING/ DINING	264	26.40	30.18	13.20	17.71

WALL TYPE LEGEND:

1. 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT.FIRESTOP SEALANT, WHICH EVER IS APPLICABLE. (GA FILE #WP-1052) (STC 50-54)
2. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.

2a. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.

3. CHASEWALL - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL STUDS @ 16" O.C.
4. FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL FURRING CHANNELS @ 16" O.C.
5. 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U906)
6. FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1/2" "Z" METAL FURRING @ 16" O.C.
7. 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (GA FILE #WP-7095) (STC 45-49)
8. 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (GA FILE #WP-1522, STC 55-59)
9. FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1/2" "Z" METAL FURRING @ 16" O.C. WITH 1 1/2" RIGID INSULATION (UNFACED) BETWEEN STUDS
10. FURRING AT CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV METAL STUDS @ 16 O.C. WITH 3 1/2" (R-15) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL.)
11. 3 HOUR RATED CMU WALL - (1) LAYER 1/2" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT.GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U914) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)
12. 2 HOUR RATED EXTERIOR METAL STUD WALL - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 5 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 1/2" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 1/2" (R-21) UNFACED BATT INSULATION BETWEEN STUDS. (UL #U424)

NOTES

FOR TOILET ELEVATIONS, SEE DRAWING A-XXX

1. FOR KITCHEN ELEVATIONS, SEE DRAWING A-XXX.
2. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
3. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR
4. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600
5. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-XXX
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-XXX
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH.
9. CONTRACTOR SHALL COORDINATE SIZE &LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.

NOTES, CONTINUED

10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH FYREWRAP EZ 1.5 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLANS ON DWGS. A-100 THRU A-105 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE.
- PARTITION - SEE WALL TYPE LEGEND

LEGEND, CONTINUED

- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-601
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT
- 30" x 48" CLEAR FOR PARALLEL APPROACH

LEGEND, CONTINUED

- 36" WIDE FIRE FIGHTER AISLE
- 24" WIDE FIRE FIGHTER AISLE
- PARKING DRIVEWAY
- PARKING STRIPING
- PARKING SPACE (TYP)

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08-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

HUGO S. SUBOTOVSKY AIA
[redacted]cts LLC
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121 WEST 27TH STREET, NEW YORK,NY 10001 TEL: 212-242-5321 FAX: 800-772-8304

PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS

BUILDING "A"
TYPICAL APARTMENTS LAYOUTS

DATE:	07-09-10
PROJECT NO:	0920
DRAWN BY:	SZ
CHECKED BY:	PC
DRAWING NO:	A-502.00
SCALE:	AS NOTED
SHEET NO:	X of XX
NYC DOB NUMBER:	220087171

P0920_A_A-502

PROPOSED NEW MIXED USE DEVELOPMENT FOR:

MORRIS COURT APARTMENTS

E. 142nd STREET, BRONX, NEW YORK

A.K.A. BUILDING "B"

DEVELOPER:

263E.142 LLC.
1683 LEXINGTON AVE.
NEW YORK,NY
TEL:212 426 8400

ARCHITECT:

HUGO S. SUBOTOVSKY AIA architects LLC

49 N. ARMONT ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0005
121 WEST 27TH STREET, NEW YORK,NY 10001 TEL: 212-242-5321 FAX: 800-772-8304

STRUCTURAL & CIVIL ENGINEER:

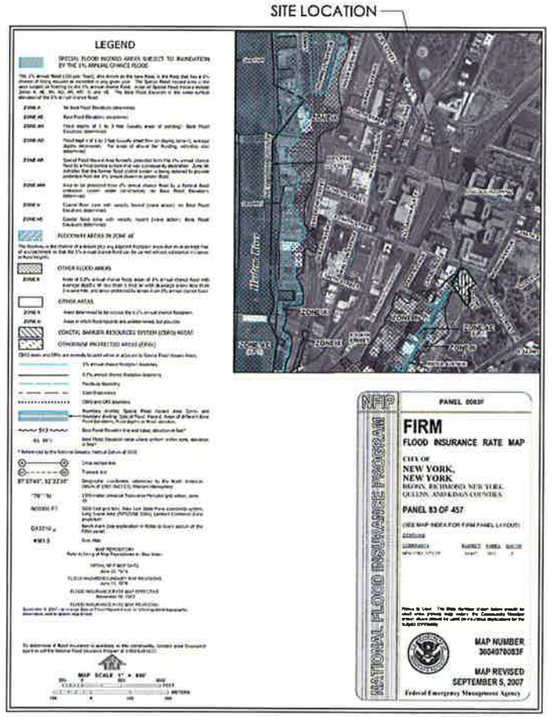
BROOKER ENGINEERING, PLLC
76 LAFAYETTE AVENUE, SUFFERN, NEW YORK 10901
TEL: 845-357-4411 FAX: 845-357-1896

MECHANICAL ENGINEER:

ETTINGER ENGINEERING ASSOCIATES
CONSULTING ENGINEERS
505 EIGHTH AVE., NEW YORK, NEW YORK 10001
TEL: 212-244-2410 FAX: 212-643-1606

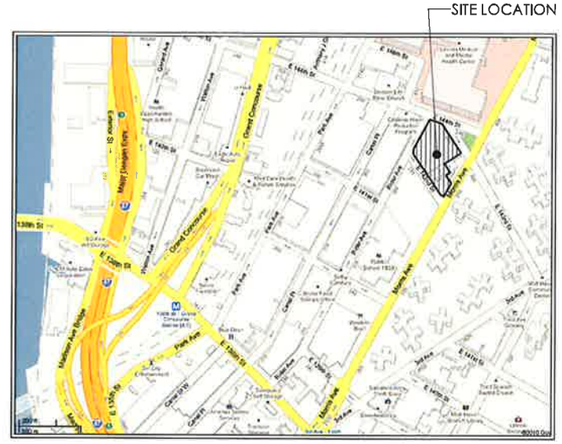
RENDERING @ THE CORNER OF RIDER AVE & E. 142ND ST.
NOT TO SCALE

SITE LOCATION



THIS SITE DOES NOT FALL UNDER A FLOOD HAZARD AS PER FLOOD INSURANCE RATE MAP #3604970083F

SITE LOCATION



LOCATION MAP
NOT TO SCALE

	APARTMENT DISTRIBUTION		BLDG. "B"		
	0BR	1BR	2BR	3BR.	TOTAL
1ST FLOOR	0	2	1	1	4
2ND FLOOR	4	5	6	1	16
3RD FLOOR	4	5	8	1	18
4TH FLOOR	4	5	8	1	18
5TH FLOOR	4	5	8	1	18
6th FLOOR	4	5	8	1	18
7th FLOOR	1	0	7	0	8
TOTAL	21	27	46	6	100
PERCENT	21%	27%	46%	6%	100%

DRAWING SCHEDULE:

(* NOT IN THIS SET)

T-001 COVER SHEET

CIVIL:

C-001 SURVEY

ARCHITECTURAL:

C-002 SCHEMATIC SITE PLAN & SANBORN MAP
Z-001 ZONING ANALYSIS
* Z-002 ZONING ANALYSIS
* Z-003 ZONING ANALYSIS
* EN-001 ENERGY CODE COMPLIANCE DATA
* A-001 GENERAL NOTES
* A-002 ACCESSIBILITY DIAGRAMS
* A-003 EGRESS PLANS
A-100 CELLAR FLOOR PLAN
A-101 1st FLOOR PLAN
A-102 2nd FLOOR PLAN
A-103 3rd THRU 6th FLOOR PLAN
A-104 7th FLOOR PLAN
A-105 ROOF PLANS
A-200 ELEVATION @ RIDER AVENUE
A-201 ELEVATION @ 142nd STREET
A-202 ELEVATION @ MORRIS AVENUE
A-203 NORTH ELEVATION
* A-400 TYPICAL WALL SECTION
A-500 APARTMENT PLANS
* A-600 DOOR SCHEDULES & MISC. DETAILS
* A-601 WINDOW SCHEDULE

* **STRUCTURAL**

FOB-001 BUILDING "B" FOUNDATION PLANS
SB-001 BUILDING "B" FIRST FLOOR FRAMING PLAN
SB-002 BUILDING "B" SECOND FLOOR FRAMING PLAN
SB-003 BUILDING "B" THIRD FLOOR FRAMING PLAN
SB-004 BUILDING "B" FOURTH TO SIXTH FLOOR FRAMING PLAN
SB-005 BUILDING "B" SEVENTH FLOOR FRAMING PLAN
SB-006 BUILDING "B" ROOF FRAMING PLAN
FOB-101 BUILDING "B" FOUNDATION DETAILS
FOB-102 BUILDING "B" FOUNDATION DETAILS
FOB-103 BUILDING "B" FOUNDATION DETAILS
SB-101 BUILDING "B" MASONRY DETAILS
SB-201 BUILDING "B" STEEL DETAILS
SB-301 BUILDING "B" PLANK DETAILS

* **MECHANICAL:**

M-001 BUILDING "B"-HVAC SCHEDULES, SYMBOLS AND NOTES
M-100 BUILDING "B"-HVAC CELLAR FLOOR PLAN
M-101 BUILDING "B"-HVAC 1ST FLOOR PLAN
M-102 BUILDING "B"-HVAC 2ND FLOOR PLAN
M-103 BUILDING "B"-HVAC 3RD-6TH FLOOR PLAN
M-104 BUILDING "B"-HVAC 7TH FLOOR PLAN
M-105 BUILDING "B"-HVAC ROOF FLOOR PLAN
M-201 BUILDING "B"-HVAC VENTILATION RISER DIAGRAM
M-301 HVAC DETAILS
M-401 BUILDING "B"-HVAC BOILER PART PLAN

* **PLUMBING**

P-001 BUILDING "B"- PLUMBING UNDERGROUND PLAN
P-100 BUILDING "B"- PLUMBING CELLAR FLOOR PLAN
P-101 BUILDING "B"- PLUMBING 1ST FLOOR PLAN
P-102 BUILDING "B"- PLUMBING 2ND FLOOR PLAN
P-103 BUILDING "B"- PLUMBING 3RD TO 6TH FLOOR PLAN
P-104 BUILDING "B"- PLUMBING 7TH FLOOR PLAN
P-105 BUILDING "B"- PLUMBING ROOF FLOOR PLAN
P-200 BUILDING "B"- PLUMBING SANITARY RISER DIAGRAM No. 1
P-201 BUILDING "B"- PLUMBING SANITARY RISER DIAGRAM No. 2
P-202 BUILDING "B"- PLUMBING SANITARY RISER DIAGRAM No. 3
P-206 BUILDING "B"- PLUMBING GAS RISER DIAGRAM

* **SPRINKLER**

SP-100 BUILDING "B"- SPRINKLER CELLAR FLOOR PLAN
SP-101 BUILDING "B"- SPRINKLER 1ST FLOOR PLAN
SP-102 BUILDING "B"- SPRINKLER 2ND FLOOR PLAN
SP-103 BUILDING "B"- SPRINKLER 3TH TO 6TH FLOOR PLAN
SP-104 BUILDING "B"- SPRINKLER 7TH FLOOR PLAN
SP-105 BUILDING "B"- SPRINKLER ROOF FLOOR PLAN
SP-200 BUILDING "B"- SPRINKLER FSP/SPRINKLER RISER DIAGRAM

* **FIRE ALARM**

FA-100 BUILDING "B"- FIRE ALARM CELLAR FLOOR PLAN
FA-101 BUILDING "B"- FIRE ALARM 1ST FLOOR PLAN
FA-102 BUILDING "B"- FIRE ALARM 2ND FLOOR PLAN
FA-103 BUILDING "B"- FIRE ALARM 3RD TO 6TH FLOOR PLAN
FA-104 BUILDING "B"- FIRE ALARM 7TH FLOOR PLAN
FA-105 BUILDING "B"- FIRE ALARM ROOF FLOOR PLAN
FA-200 BUILDING "B"- FIRE ALARM ROOF FLOOR PLAN

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PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
E. 142nd STREET, BRONX, NY 10456

BUILDING "B"
COVER SHEET

DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	PC
DRAWING NO:	T-001.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER:

P0920_B_T-001

ZONING CALCULATION - MIXED USE BUILDING PER 123-11

Address: Morris Ave. & E.142nd ST., Bronx, NY
Block: 2334
Existing lots: 38, 39, 40, 41, 43, 45 & 59
Zoning: MX-1 SPECIAL PURPOSE DISTRICT M1-4/R7A (1 ZONING LOT)
Map: 6a
12/21/2011
QUALITY HOUSING MANDATORY WITH INCLUSIONARY HOUSING DESIGNATION AREA PER MAP 6A & APPENDIX "F" MAP 1

CONST. CLASS 1-B 2HR RATED
BUILDING CODE OCCUPANCY GROUP - R-2/M
BUILDING TO BE FULLY SPRINKLERED
BUILDING TO BE DESIGNED PER 2008 NYC BUILDING CODE

	PERMITTED/REQUIRED	PROPOSED	REMARKS	RES.
RESIDENTIAL - QUALITY HOUSING PROGRAM - USE GROUP 2				
ZONING LOT AREA — Corner Lot / Through Lot / TOTAL	1,700.00 SQ FT MIN	30,476.00 SQ FT / 16,424.00 SQ FT / 46,900.00 SQ FT	OK	23-32
LOT COVERAGE — Corner Lot / Through	N/A	29,004.00 SQ FT / 3,326.00 SQ FT		123-648(b)
FLOOR AREA RATIO — Base / Max	3.45 MAX / 4.60 MAX	ALL APTS. AFFORDABLE HOUSING 3.93	OK	123-63/23-952
GROSS FLOOR AREA — TOTAL	215,740.00 SQ FT MAX	BUILDING A: 93,486 SQ FT.* / BUILDING B: 90,673 SQ FT.* / 184,159.00 SQ. FT.*	OK	123-63/23-952
NO. OF APARTMENTS — R7- 680 SQ FT Min / TOTAL	317 UNITS MAX	BUILDING A: 101 UNITS / BUILDING B: 100 UNITS / 201 UNITS	OK	23-22
HEIGHTS REGULATIONS — Min. Base Height	40'-0" MAX	BUILDING A: 62'-6" / BUILDING B: 61'-10"	OK	123-662 (TABLE B)
Max. Base Height	65'-0" MAX	BUILDING A: 62'-6" / BUILDING B: 61'-10"	OK	123-662 (TABLE B)
Max Building Height	80'-0" MAX	BUILDING A: 71'-5" / BUILDING B: 70'-0"	OK	123-662 (TABLE B)
SETBACK ABOVE BASE HEIGHT	WIDE ST.: 10'-0" MIN / NARROW ST.: 15'-0" MIN	BUILDING A: WIDE ST. 26'-3" / NARROW ST. 26'-3"; BUILDING B: WIDE ST. 26'-9" / NARROW ST. 26'-9"	OK	123-662 (b)(1)
PERMITTED OBSTRUCTIONS AND DORMER PROVISIONS	See dormer/obstructions diagrams on Z-001		OK	123-662(c)
YARD REGULATIONS — FRONT	INTERIOR LOT: NONE REQ'ED / CORNER LOT: NONE REQ'ED	BUILDING A: THROUGH LOT NONE / CORNER LOT 8'-2"/NONE; BUILDING B: THROUGH LOT NONE / CORNER LOT 8'-4"/NONE	OK	123-652
SIDE	NONE REQ'ED / NONE REQ'ED	NONE / NONE; NONE / NONE	OK	123-652
REAR	NONE REQ'ED / NONE REQ'ED	NONE / 122'-11"; NONE / 40'-11"	OK	23-541/23-531(b)
COMMUNITY FACILITY - USE GROUP 4	PERMITTED/REQUIRED	PROPOSED	REMARKS	RES.
LOT AREA		46,900.00 SQ FT		
FLOOR AREA RATIO — TOTAL	4.00 MAX	BUILDING A: 0.00 / BUILDING B: 0.23 / 0.23	OK	123-64/24-11
GROSS FLOOR AREA — TOTAL	187,600.00 SQ FT MAX	BUILDING A: 0.00 / BUILDING B: 10,835 SQ FT / 10,835.00 SQ FT.	OK	123-64/24-11
COMMERCIAL - USE GROUP 6	PERMITTED/REQUIRED	PROPOSED	REMARKS	RES.
LOT AREA		46,900.00 SQ FT		
FLOOR AREA RATIO	2.00 MAX	0.41	OK	123-64/43-12
GROSS FLOOR AREA — TOTAL	93,800.00 SQ FT MAX	BUILDING A: 12,609.00 SQ FT / BUILDING B: 6,751.00 SQ FT / 19,360.00 SQ FT.	OK	123-64/43-12
MIXED DEVELOPMENT TOTAL	PERMITTED/REQUIRED	PROPOSED	REMARKS	RES.
LOT AREA		46,900.00 SQ FT.		
FLOOR AREA RATIO	4.60 MAX	4.57	OK	124-64(a)(4)
GROSS FLOOR AREA — TOTAL	215,740.00 SQ FT MAX	19,360.00 COMMERCIAL (BLDG. A + BLDG.B) / 10,835.00 COMM. FACILTY (BLDG. A + BLDG.B) / 184,159.00 RESIDENTIAL (BLDG. A + BLDG.B) / 214,354.00 SQ FT	OK	124-64(a)(4)
PARKING	PERMITTED/REQUIRED	PROPOSED	REMARKS	RES.
APARTMENTS AT 25 % of Units — TOTAL	BUILDING A: 25 / BUILDING B: 25 / 50 Spaces Req'd	BUILDING A: 46 Spaces / BUILDING B: 69 Spaces / 115 Spaces	OK	25-25 (d)
COMMUNITY FACILITY - CLINIC OR TREATMENT CENTER — USE GROUP 4	NONE	NONE		44-21
COMMERCIAL SPACE - GENERAL RETAIL — None Required	NONE	NONE		44-21
BICYCLE PARKING	PERMITTED/REQUIRED	PROPOSED	REMARKS	RES.
RESIDENTIAL — 1 space for every 2 residential units	BUILDING A: 51 / BUILDING B: 50	BUILDING A: 46 Spaces / BUILDING B: 69 Spaces	OK	25-811
RETAIL SPACE — 1 space per 10,000 SQ.FT.	1 / 1	2 Spaces / 2 Spaces	OK	
COMM. FACILITY (use 4): 1 space per 10,000 SQ.FT.	0 / 1	0 Spaces / 1 Space	OK	25-811
TOTAL	52 / 52	48 Spaces / 72 Spaces	OK	
TOTAL (BLDG. A + BLDG. B)	103 Spaces (Min.)	120 Spaces	OK	
15 SQ.FT per Bicycle — TOTAL	BUILDING A: 780 / BUILDING B: 765 / 1,545 SQ.FT. (Min.)	BUILDING A: 795 SQ FT / BUILDING B: 765 SQ FT / 1,560 SQ.FT.	OK	25-83

* AFTER QUALITY HOUSING PROGRAM DEDUCTIONS

E.142nd Street Bldg. - aka Building "A"	Zoning Floor Area	FAR
Residential	93,486.00 SQ FT	1.99
Commercial	12,609.00 SQ FT	0.27
TOTAL	106,095.00 SQ FT	2.26

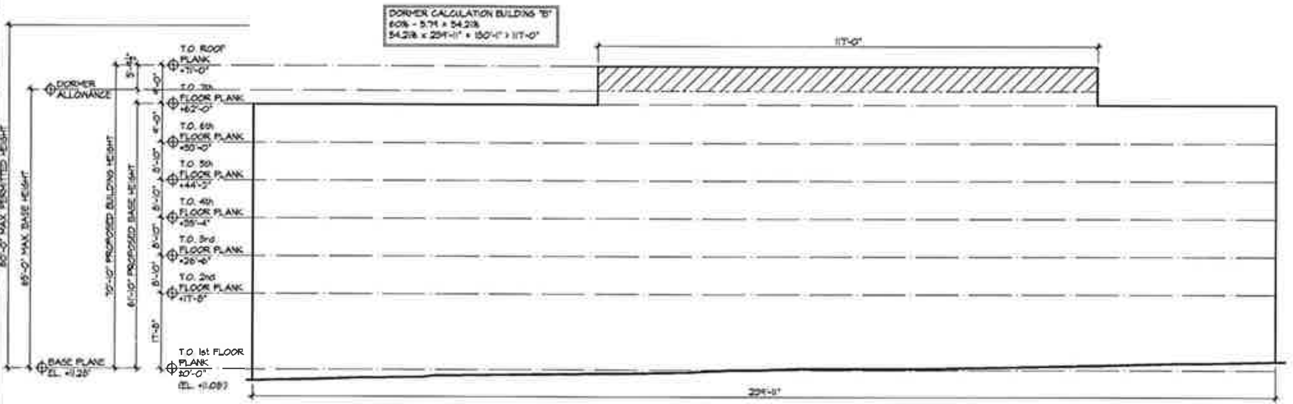
E.142nd Street Bldg. - aka Building "B"	Zoning Floor Area	FAR
Residential	90,673.00 SQ FT	1.93
Commercial	6,751.00 SQ FT	0.25
Community Facility	10,835.00 SQ FT	0.23
TOTAL	108,259.00 SQ FT	2.3

* BUILDING 'A' FILED UNDER A SEPARATE APPLICATION

8/24/2010

BUILDING "A": 280 E. 144 TH STREET, BRONX, NEW YORK - QUALITY HOUSING PROGRAM NOTES

	PERMITTED/REQUIRED	PROPOSED		REMARKS	
1 TREE PER 25'-0" OF FRONTAGE	14 TREES	7 TREES ON SITE / 7 TREES OFF SITE	OK	RES. 28-12	Nine (7) on, the (7) off site as per DOT regulations
SIZE OF DWELLING UNITS	400 SQ. FT. MIN	681 SQ. FT.	OK	RES. 28-21	
WINDOWS	DOUBLE GLAZED	1" INSULATED DOUBLE GLAZED LOW-E, PROVIDED	OK	RES. 28-22	
REFUSE STORAGE AND DISPOSAL	12 SQ. FT. MIN	75 SQ. FT.	OK	RES. 28-23	
LAUNDRY FACILITIES	1 WASHER PER 20 D.U. / 1 DRYER PER 40 D.U.	6 WASHERS / 3 DRYERS	OK / OK	RES. 28-24	(...) at least one washing machine per 20 dwelling units or rooming units and at least one dryer per 40 dwelling units or rooming units (...)
DAYLIGHT IN CORRIDORS	20 SQ FT	22.5 SQ. FT. ALL FLOORS COMPLY	OK	RES. 28-25	(...) provided that such window shall be directly visible from 50% of the corridor or from the vertical circulation core, and is located at least 20' from a wall or a side or rear lot line measured in a horizontal place and perpendicular to the rough window opening.
RECREATION SPACE (OUTDOOR)	3.3 % MIN (R7) = * 3,340 SQ FT	3.91% = 3,673 SQ FT	OK	RES. 28-31	The amount of recreation space required is expressed as percentage of the total residential floor area of the development and may be aggregated in one type, indoor or outdoor
STANDARDS FOR RECREATION SPACE (INDOOR)	NO DEDUCTIONS TAKEN	16'-0" / 1,375 SQ. FT.	OK / OK	RES. 28-32	(...)The minimum dimension of any recreation space shall be 15' Outdoor recreation space shall be open to the sky except that building projections, not to exceed 7' in depth, may cover up to 10% of the outdoor recreation space, provided that the lowest level of the projection is at least 10' above the level of the outdoor recreation space.
STANDARDS FOR RECREATION SPACE (OUTDOOR)	15 FT. MIN / 225 SQ FT MIN	19'-2" / 5,768 SQ FT	OK / OK		
PLANTING AREAS	N / A	NONE		RES. 28-33	The area of the zoning lot between the street line and the street wall of the building shall be planted, except at the entrances to and exits from the building, or adjacent to commercial uses fronting on the street.
DENSITY PER CORRIDOR	MAXIMUM 11 D.U. IN R7 IN ORDER TO QUALIFY FOR DEDUCTION	17 DWELLING UNITS DEDUCTIONS WERE TAKEN ONLY AT 1ST, MEZZ & 7TH FLOORS	OK	RES. 28-41	If the number of dwelling units served by a vertical circulation core and corridor on each story does not exceed the number set forth in the following table, 50% of the sq. ft. of the corridor serving such dwelling units on such story may be excluded from the definition of floor area.



HEIGHT DIAGRAM @ E. 142nd STREET

SCALE : 1/16" = 1'-0"

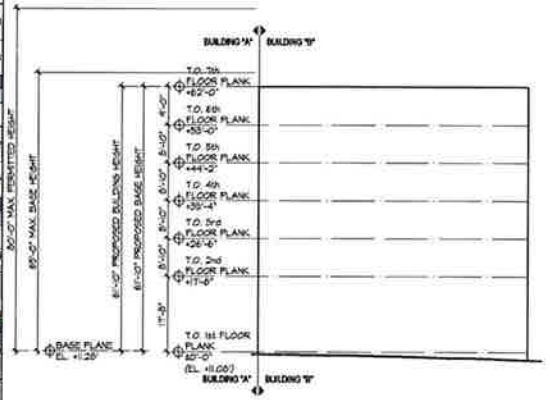
BASE PLANE CALCULATIONS:

1. (RIDER AVENUE):
10.31' + 8.29' = 18.60'
18.60' / 2 = 9.30'
BP1 = +9.30'

2. (MORRIS AVENUE):
14.19' + 13.30' = 27.49'
27.49' / 2 = 13.75'
BP2 = +13.75'

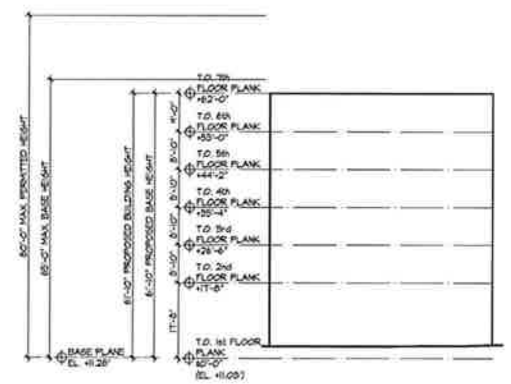
3. (142nd STREET):
13.30' + 8.24' = 21.54'
21.54' / 2 = 10.80'
BP3 = +10.80'

BASE PLANE:
9.30' + 13.75' + 10.80' = 33.85'
33.85' / 3 = 11.28'



HEIGHT DIAGRAM @ RIDER AVENUE

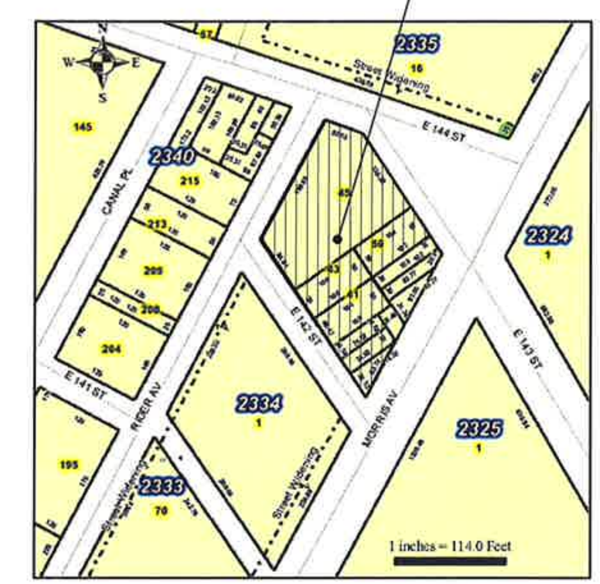
SCALE : 1/16" = 1'-0"



HEIGHT DIAGRAM @ MORRIS AVENUE

SCALE : 1/16" = 1'-0"

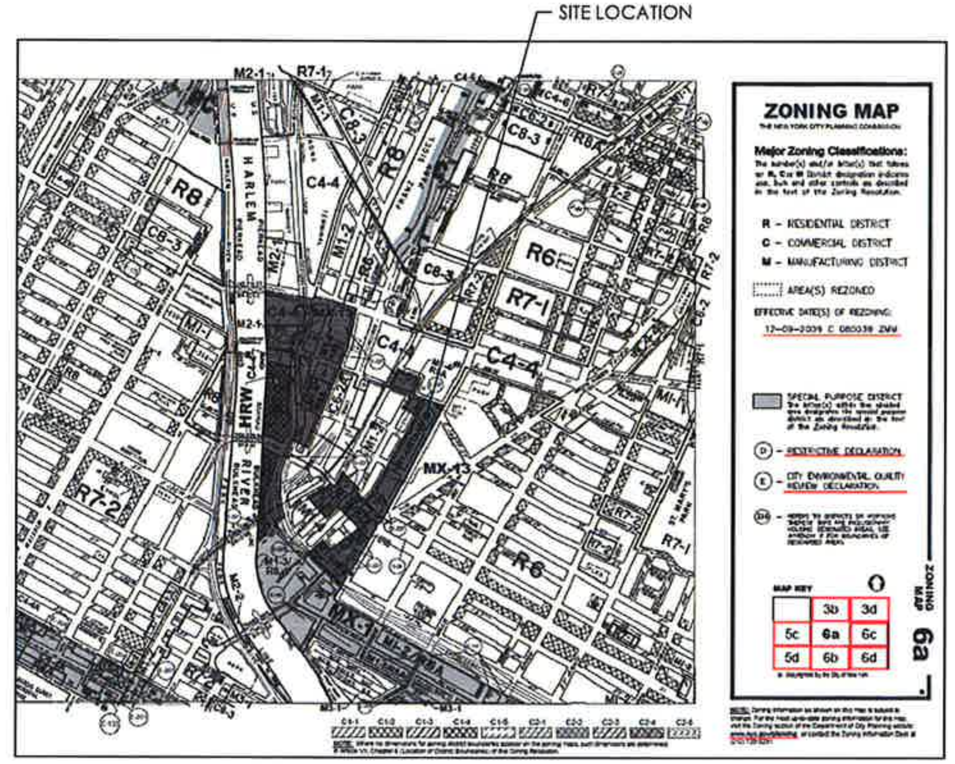
SITE LOCATION



TAX MAP

NOT TO SCALE

SITE LOCATION



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DATE	REVISIONS
12-09-11	ISSUED TO H.P.D. FOR REVIEW & COMMENT
05-17-11	RE-ISSUED FOR D.O.B. REVIEW & COMMENT
08-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

HUGO S. SUBOTOVSKY AIA
[redacted]cts LLC

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PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
E. 142nd STREET, BRONX, NY 10456

ZONING ANALYSIS

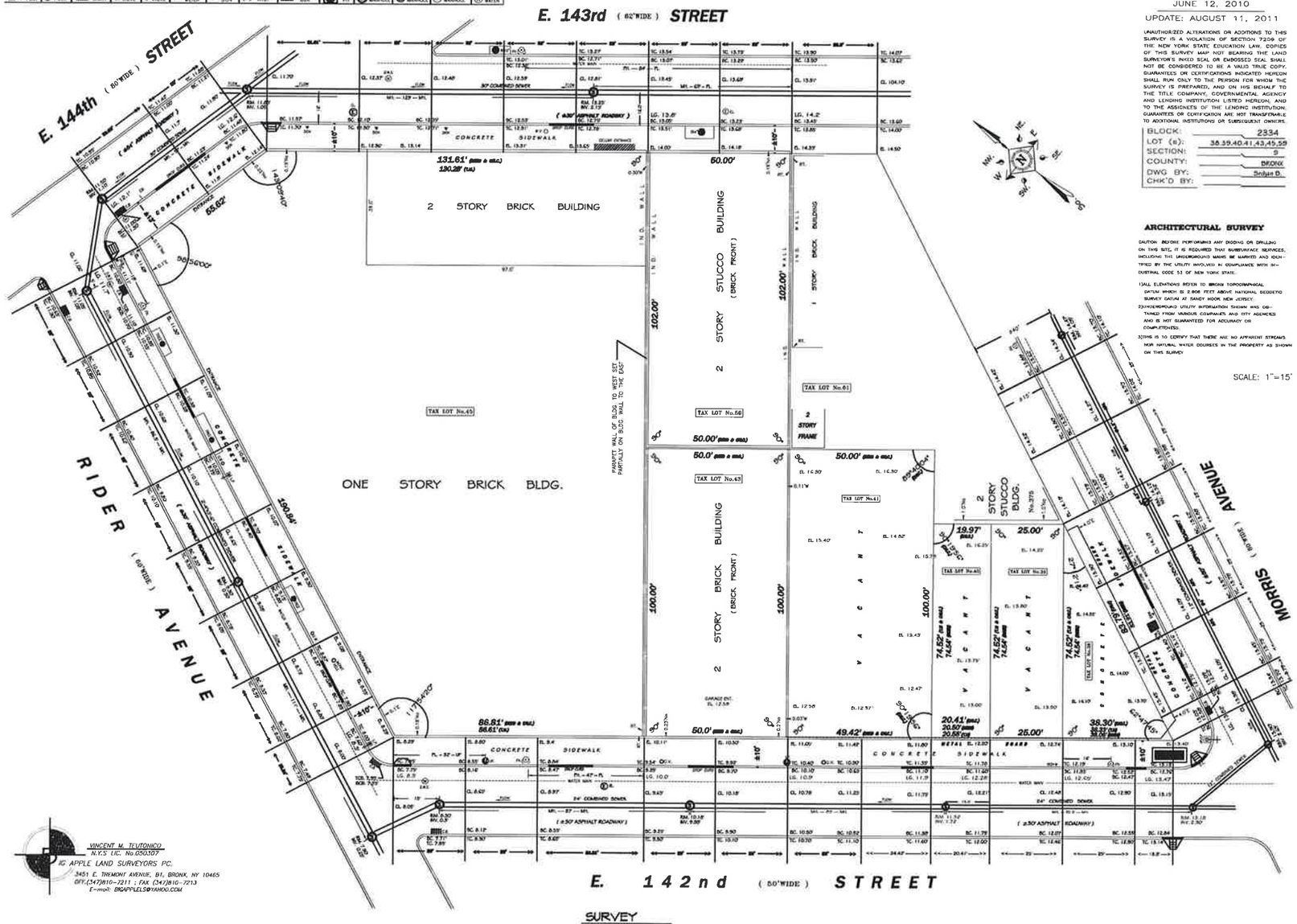
DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	PC
DRAWING NO:	Z-001.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087180

P0920_B_Z-001

(NOT FOR TITLE PURPOSES) — LEGEND: LAMP POST, UTILITY POLE, CATCH BASIN, WATER VALVE, GAS VALVE, PARKING METER, TRAFFIC SIGN, HYDRANT, FIRE BOX, ELECTRIC BOX, TELEPHONE BOX, SEWER MANHOLE, ELECTRIC MANHOLE, TELEPHONE MANHOLE, G.M.S. WATER

JOB # 6596-BX



SURVEY
SCALE: 1" = 15'-0"

SURVEYED
JUNE 12, 2010
UPDATE: AUGUST 11, 2011

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. GUARANTEES OR CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. GUARANTEES OR CERTIFICATION ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

BLOCK:	2334
LOT (s):	38,39,40,41,43,45,59
SECTION:	9
COUNTY:	BRONX
DWG BY:	Sergei D.
CHK'D BY:	

ARCHITECTURAL SURVEY

CAUTION: BEFORE PERFORMING ANY DIGGING OR DRILLING ON THIS SITE, IT IS REQUIRED THAT SUBSURFACE SERVICES, INCLUDING THE UNDERGROUND MAINS BE MARKED AND IDENTIFIED BY THE UTILITY INVOLVED IN COMPLIANCE WITH INDUSTRIAL CODE 53 OF NEW YORK STATE.

1)ALL ELEVATIONS REFER TO BRONX TOPOGRAPHICAL DATUM WHICH IS 2.808 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK NEW JERSEY.

2)UNDERGROUND UTILITY INFORMATION SHOWN WAS OBTAINED FROM VARIOUS COMPANIES AND CITY AGENCIES AND IS NOT GUARANTEED FOR ACCURACY OR COMPLETENESS.

3)THIS IS TO CERTIFY THAT THERE ARE NO APPARENT STREAMS NOR NATURAL WATER COURSES IN THE PROPERTY AS SHOWN ON THIS SURVEY.

SCALE: 1"=15'

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ARCHITECTS LLC
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121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-243-3321 FAX: 800-772-8304

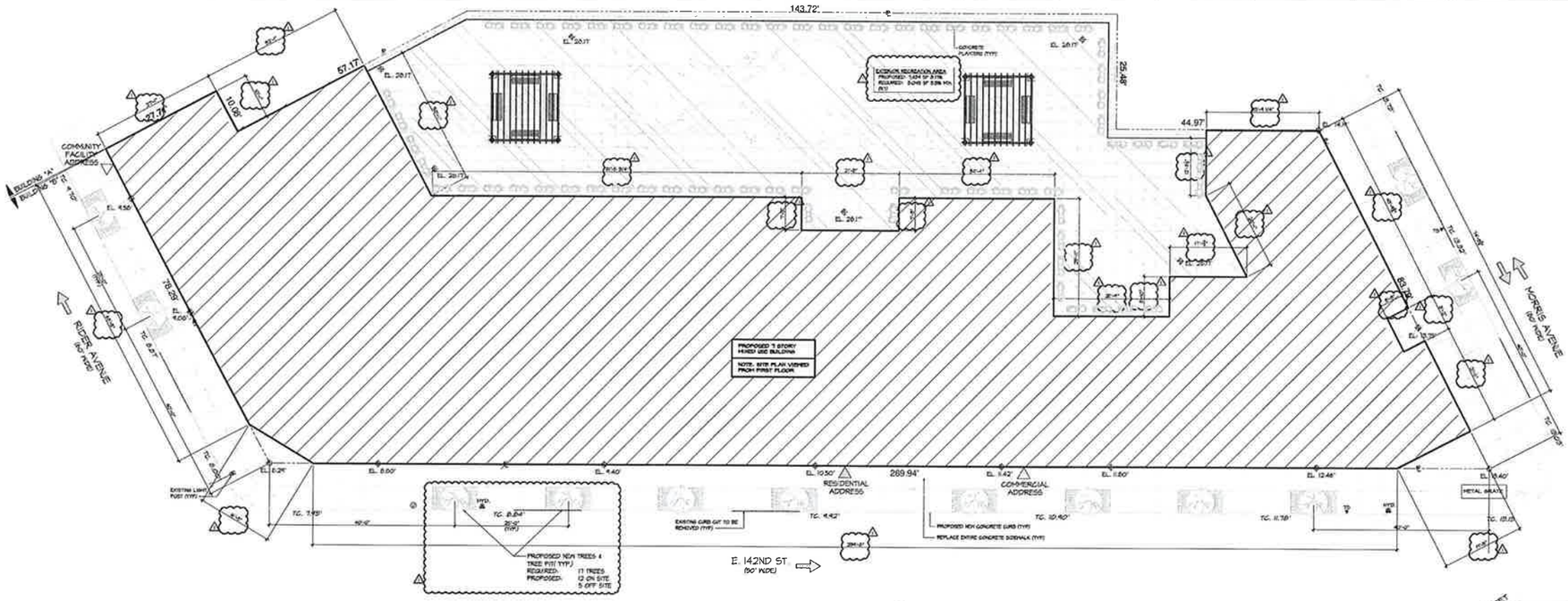
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
E. 142nd STREET, BRONX, NY 10456

BUILDING "B"
SURVEY

DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	PC
DRAWING NO:	C-001.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087180

P0920_B_C-001

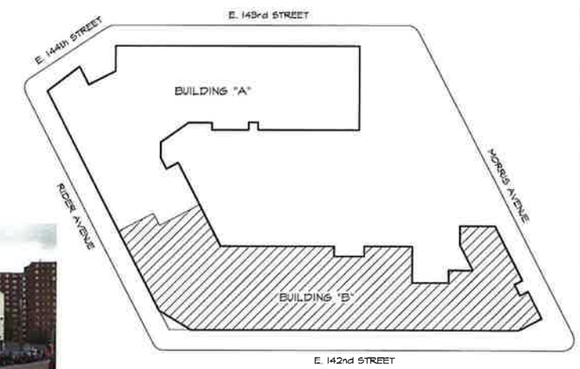


SITE PLAN

SCALE : 3/32" = 1'-0"

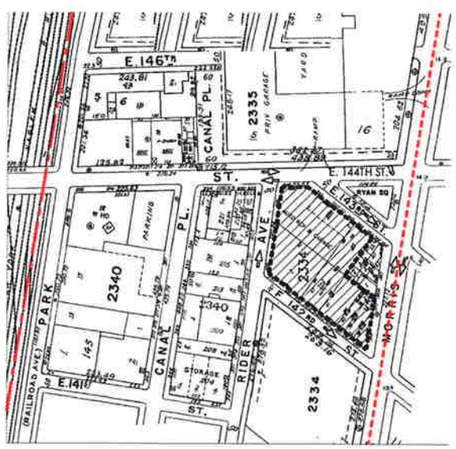
LEGEND:

- RESIDENTIAL ADDRESS
- PARKING ADDRESS
- COMMERCIAL ADDRESS
- TRAFFIC DIRECTIONS
- EXISTING TRAFFIC SIGN
- EXISTING UTILITY POLE
- EXISTING HYDRANT
- EXISTING BUS STOP
- EXISTING ELECTRIC BOX
- EXISTING TREE
- PROPOSED LONDON PLANE W/TREE PIT
- EXISTING TRAFFIC LIGHTS POST
- EXISTING LIGHT POST
- BENCH
- STORM DRAIN
- EXTERIOR LIGHTING
- LAWN
- CONCRETE BLOCK PAVERS
- SAND
- RUBBER TILE SURFACE
- T.C. = TOP CURB
- B.C. = BOTTOM CURB
- EL. = ELEVATION HEIGHT



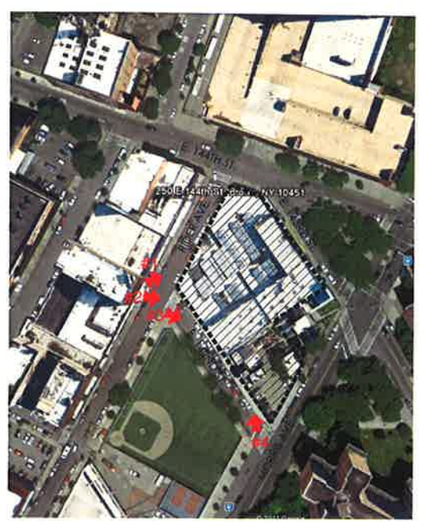
KEY PLAN

NOT TO SCALE



SANBORN MAP

NOT TO SCALE



AERIAL VIEW

NOT TO SCALE

PHOTOGRAPH #1

PHOTOGRAPH #2

PHOTOGRAPH #3

PHOTOGRAPH #4

LEGEND:

- PROPOSED SITE
- DIRECTION OF TRAFFIC
- BUS ROUTE: BX32 KINGSBRIDGE VA HOSPITAL - MOTT HAVEN
- METRO NORTH RAILROAD: HARLEM & NEW HAVEN LINES
- INDICATION OF PHOTOGRAPH

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DATE	REVISIONS
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05-17-11	RE-ISSUED FOR D.O.B. REVIEW & COMMENT
08-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

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[redacted]cts LLC
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PROPOSED NEW MIXED USE DEVELOPMENT FOR:

MORRIS COURT APARTMENTS

E. 142nd STREET, BRONX, NY 10456

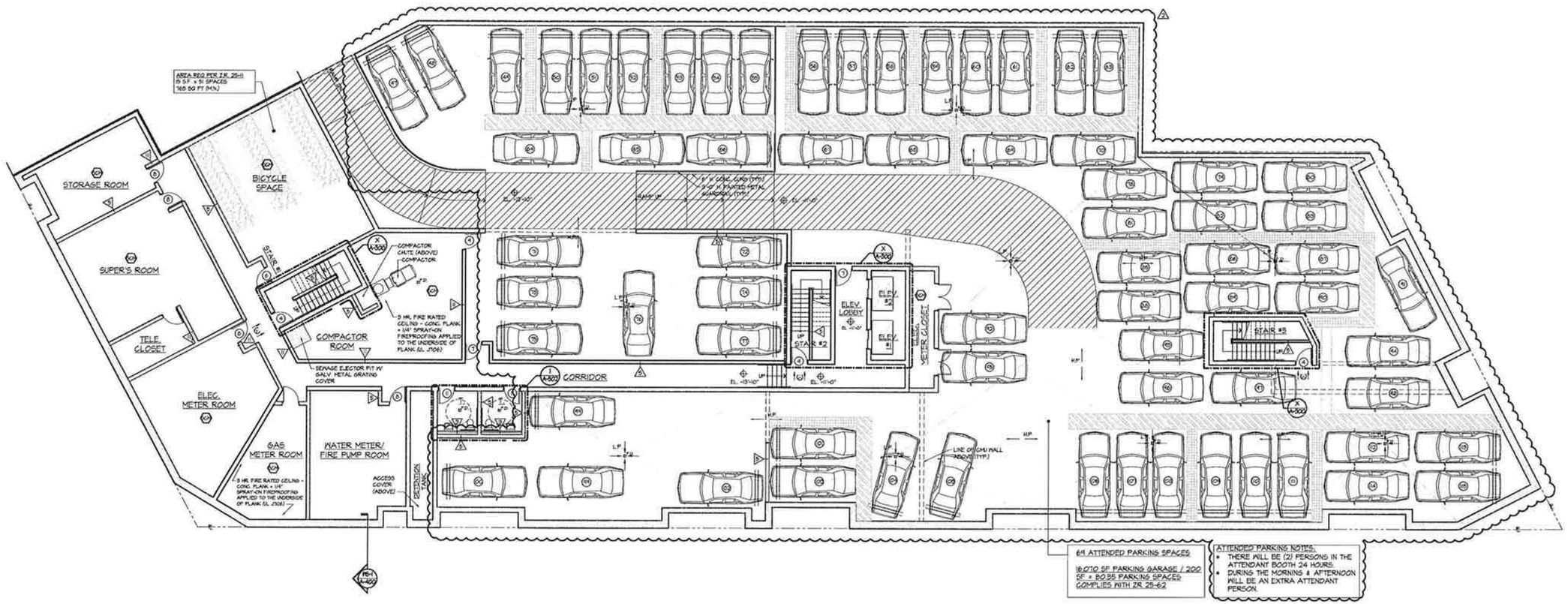
BUILDING "B"

SCHEMATIC SITE PLAN & SANBORN MAP

DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	PC
DRAWING NO:	C-002.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220067180

P0920_B_C-002



CELLAR FLOOR PLAN

SCALE : 1/8" = 1'-0"

WALL TYPE LEGEND:

1 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 5/8" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT.FIRESTOP SEALANT, WHICH EVER IS APPLICABLE (6A FILE WP-1052) (STC 50-54)

2 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.

3 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.

4 CHASEWALL - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 3 5/8" METAL STUDS @ 16" O.C.

5 FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" METAL FURRING CHANNELS @ 16" O.C.

6 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL RU406)

7 FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1/2" "Z" METAL FURRING @ 16" O.C.

8 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2 5/8" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (6A FILE WP-1095) (STC 45-54).

9 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 5/8" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (6A FILE WP-1522, STC 55-54).

10 FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1/2" "Z" METAL FURRING @ 16" O.C. WITH 1 1/2" RIGID INSULATION (UNFACED) BETWEEN STUDS.

11 FURRING AT CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 5/8" (R-13) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL.)

12 2 HOUR RATED CMU WALL - (1) LAYER 1/2" TYPE "X" GYPSUM BOARD OVER 3/4" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT.GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL RU414) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)

13 2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 1/2" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 1/2" (R-21) UNFACED BATT INSULATION BETWEEN STUDS. (UL RU424)

NOTES

FOR TOILET ELEVATIONS, SEE DRAWING A-XXX

1. FOR KITCHEN ELEVATIONS, SEE DRAWING A-XXX.
2. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
3. B.G. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.
4. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
5. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A 6"P BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-XXX
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-XXX.
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH
9. CONTRACTOR SHALL COORDINATE SIZE &LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.

NOTES, CONTINUED

10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH FYREWRAP EZ 15 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE.
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLANS ON DWGS A-100 THRU A-105 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE.
- PARTITION - SEE WALL TYPE LEGEND

LEGEND, CONTINUED

- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-601
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- SCD COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT

LEGEND, CONTINUED

- 26" WIDE FIRE FIGHTER AISLE
- 24" WIDE FIRE FIGHTER AISLE
- PARKING DRIVEWAY
- PARKING STRIPING
- PARKING SPACE (TYP)

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DATE	REVISIONS
12-09-11	ISSUED TO H.P.D FOR REVIEW & COMMENT
11-16-11	REVISED ATTENDED PARKING LAYOUT AS PER DOB COMMENTS
05-17-11	RE-ISSUED FOR D.O.B. REVIEW & COMMENT
08-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

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PROPOSED NEW MIXED USE DEVELOPMENT FOR:
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E. 142nd STREET, BRONX, NY 10456

BUILDING "B"
CELLAR FLOOR PLAN

DATE:	08-23-10
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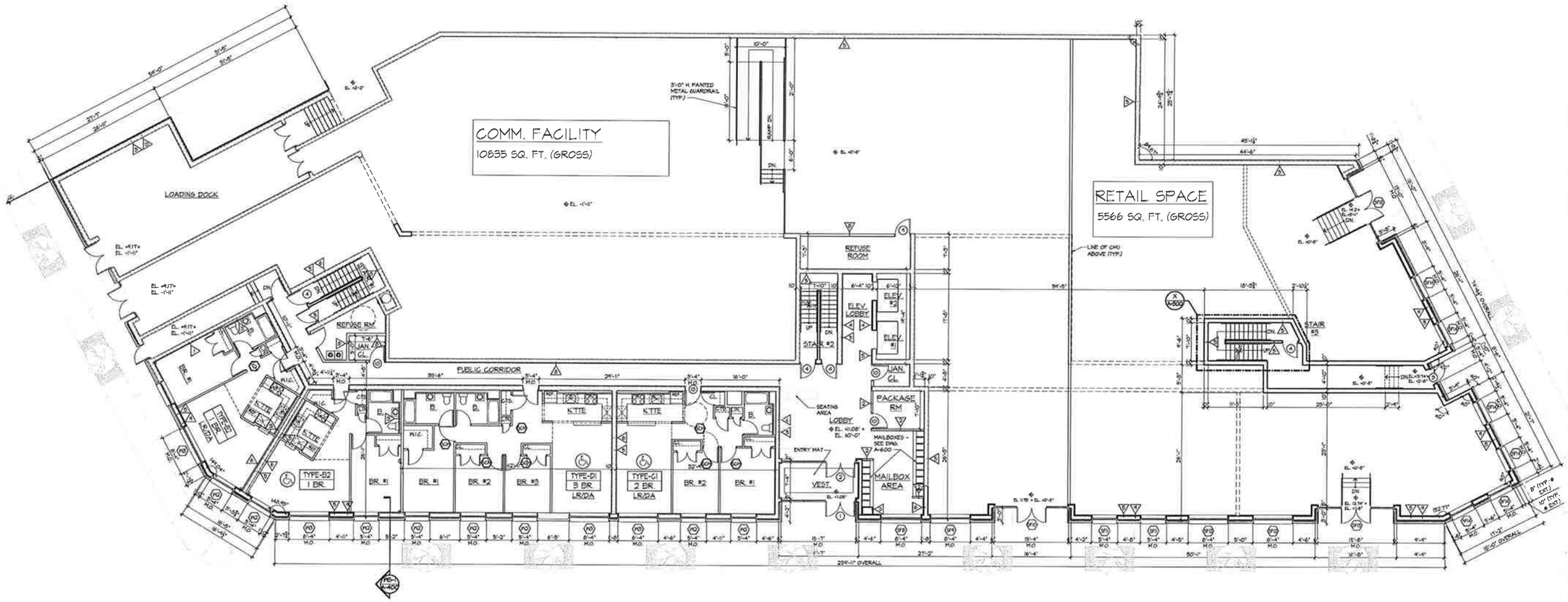
CHECKED BY:	PC
DRAWING NO:	A-100.00
SCALE: AS NOTED	SHEET NO: X OF XX

NYC DOB NUMBER: 220087180

P0920_B_A-100



1st FLOOR PLAN

SCALE : 1/8" = 1'-0"

WALL TYPE LEGEND:

1 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK WITH CONT. FIRESTOP SEALANT, PROVIDE WHERE APPLICABLE. (BA FILE WMP-1052) (STC 50-54)

2 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.

3 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.

4 CHASEWALL - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL STUDS @ 16" O.C.

5 FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" METAL FURRING CHANNELS @ 16" O.C.

6 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL W816)

6 FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" "Z" METAL FURRING @ 16" O.C.

7 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK AND ROOF PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (BA FILE WMP-1065) (STC 45-48)

8 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (BA FILE WMP-1022, STC 55-59)

9 FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3/4" "Z" METAL FURRING @ 16" O.C. WITH 1 1/2" RIGID INSULATION (UNFACED) BETWEEN STUDS.

10 FURRING AT CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV METAL STUDS @ 16 O.C. WITH 3 1/2" (R-13) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL.)

11 8 HOUR RATED CMU WALL - (1) LAYER 3/4" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL W404) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)

12 2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 3/4" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 1/2" (R-20) UNFACED BATT INSULATION BETWEEN STUDS. (UL W424)

NOTES

1. FOR TOILET ELEVATIONS, SEE DRAWING A-502.
2. FOR KITCHEN ELEVATIONS, SEE DRAWING A-502
3. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
4. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.
5. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
6. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-404.
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-503.
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH
9. CONTRACTOR SHALL COORDINATE SIZE & LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.
10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH PYROSAP EZ 1.5 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE.
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLANS ON DWGS. A-100 THRU A-104 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE
- PARTITION - SEE WALL TYPE LEGEND
- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-600
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-600
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT

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HUGO S. SUBOTOVSKY AIA
[redacted]cts LLC
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PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
E. 142nd STREET, BRONX, NY 10456

BUILDING "B"
1st FLOOR PLAN

DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
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SCALE: AS NOTED	SHEET NO: X of XX

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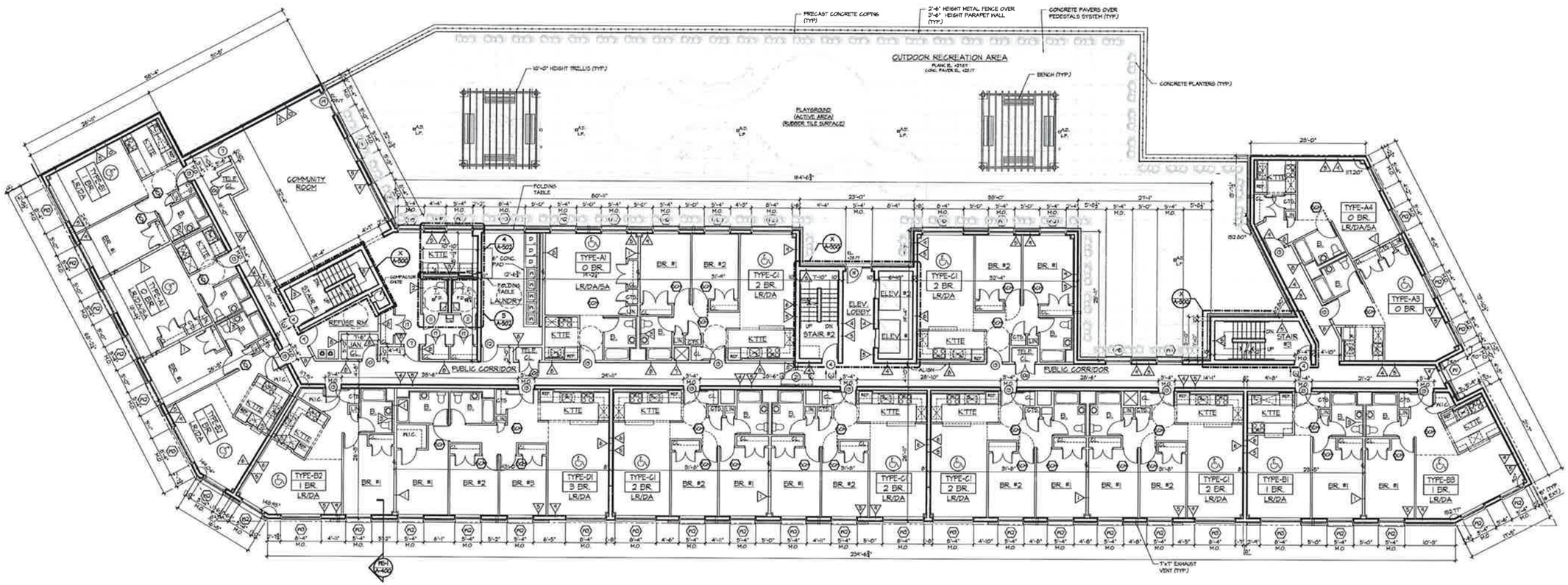
P0920_B_A-101



2nd FLOOR PLAN

SCALE : 1/8" = 1'-0"

WALL TYPE LEGEND:

1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK WITH CONT. FIRESTOP SEALANT, WHICH EVER IS APPLICABLE. (6A FILE WP-1052) (STC 50-54)

TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 5/8" METAL STUDS @ 16" O.C.

TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.

CHASEWALL - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 3 5/8" METAL STUDS @ 16" O.C.

FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" METAL FURRING CHANNELS @ 16" O.C.

2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL W406)

FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1/2" 2" METAL FURRING @ 16" O.C.

2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH (1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK AND ROOF PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (6A FILE WP-1065) (STC 45-49)

2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (6A FILE WP-1522, STC 55-59)

FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3/4" Z METAL FURRING @ 16" O.C. WITH 1 1/2" RIGID INSULATION (UNFACED) BETWEEN STUDS.

FURRING AT CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" 6ALV METAL STUDS @ 16 O.C. WITH 3 1/2" (R-13) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (6ALV. STUDS NOT REQ'D AT INTERIOR CMU WALL.)

3 HOUR RATED CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL W404) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)

2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" 6ALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 1/2" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 1/2" (R-20) UNFACED BATT INSULATION BETWEEN STUDS. (UL W404)

NOTES:

1. FOR TOILET ELEVATIONS, SEE DRAWING A-502.
2. FOR KITCHEN ELEVATIONS, SEE DRAWING A-502
3. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
4. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.
5. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
6. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-404.
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-503.
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH.
9. CONTRACTOR SHALL COORDINATE SIZE &LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.
10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH FYREWRAP EZ 15 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S

CONCRETE BLOCK WALL - SEE PLAN FOR SIZE

GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.

FACE BRICK AND CAST STONE

FIRE RATED SHAFT WALL

DOOR & FRAME - SEE FLOOR PLANS ON DWGS. A-100 THRU A-104 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE.

PARTITION - SEE WALL TYPE LEGEND

LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-600

WINDOW - SEE WINDOW SCHEDULE ON DWG. A-600

EXIT LIGHT AND SIGN - CEILING MOUNTED

EXIT LIGHT AND SIGN - WALL MOUNTED

REMOVABLE KITCHEN BASE CABINET

COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR

HANDICAP ADAPTABLE APARTMENT UNIT

ELECTRICAL PANEL UNIT

24" WIDE FIRE FIGHTER AISLE

PARKING DRIVEWAY

PARKING STRIPING

PARKING SPACE (TYP)

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08-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

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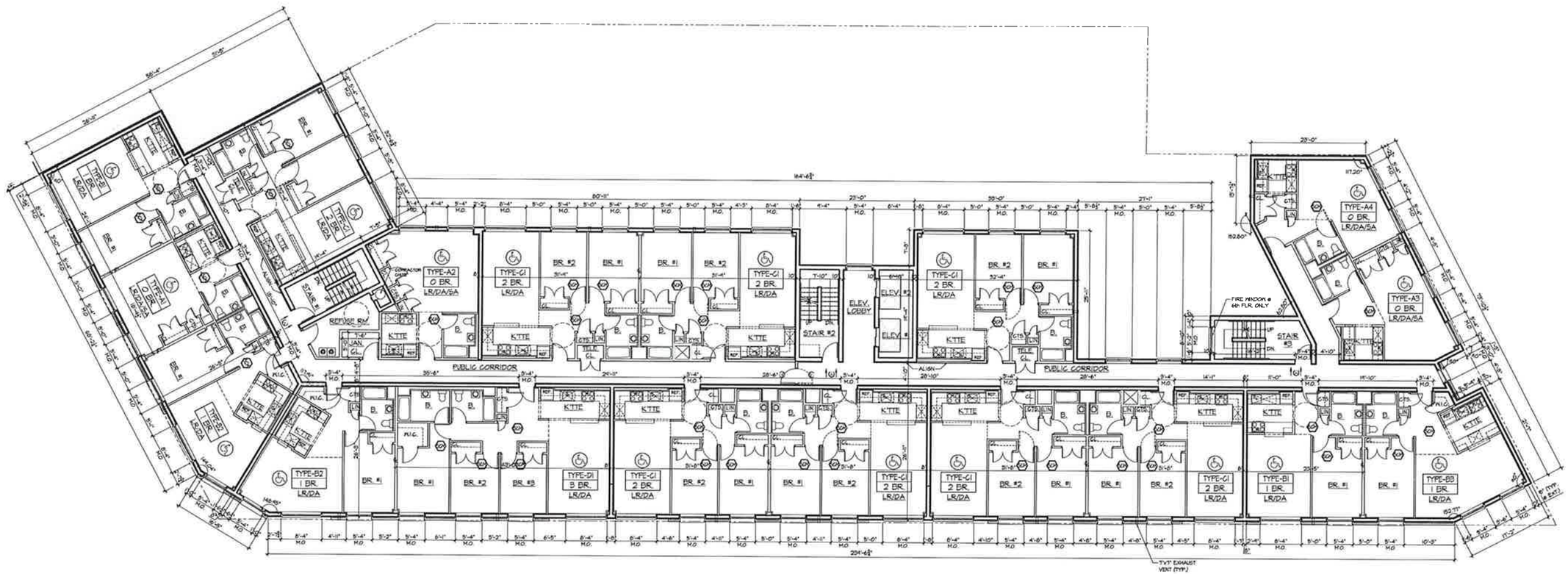
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
E. 142nd STREET, BRONX, NY 10456

BUILDING "B"
2nd FLOOR PLAN

DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	
DRAWING NO:	A-102.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087180

P0920_B_A-103



3rd THRU 6th FLOOR PLAN

SCALE : 1/8" = 1'-0"

WALL TYPE LEGEND:

1. 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE 'X' GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 5/8" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK WITH CONT. FIRESTOP SEALANT, HIGH EVER IS APPLICABLE (6A FILE #WP-1052) (STC 50-54)
2. TYPICAL PARTITION - (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.
3. TYPICAL PARTITION - (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.
4. CHASEWALL - (1) LAYER 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2 5/8" METAL STUDS @ 16" O.C.
5. FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD OVER 3/4" METAL FURRING CHANNELS @ 16" O.C.
6. 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK. (UL #U905)
7. FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD OVER 3/4" 'Z' METAL FURRING @ 16" O.C.
8. 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON ONE SIDE OF 3 5/8" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE 'X' GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK AND ROOF PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (6A FILE #WP-1085) (STC 45-49).
9. 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE 'X' GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 5/8" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (6A FILE #WP-1522, STC 55-59).
10. FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON 3/4" 'Z' METAL FURRING @ 16" O.C. WITH 1 1/2" R19 FO INSULATION (UNFACED) BETWEEN STUDS.
11. FURRING AT CMU WALL - (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON 3 5/8" 6ALV METAL STUDS @ 16 O.C. WITH 3 5/8" (R-13) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (6ALV. STUDS NOT REQ'D AT INTERIOR CMU WALL.)
12. 3 HOUR RATED CMU WALL - (1) LAYER 3/4" TYPE 'X' GYPSUM BOARD OVER 3/4" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U419)
13. 2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS 5/8" TYPE 'X' GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" 6ALV METAL STUDS @ 16" O.C. WITH (1) LAYER 1/2" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 1/2" (R-21) UNFACED BATT INSULATION BETWEEN STUDS. (UL #U424)

NOTES:

1. FOR TOILET ELEVATIONS, SEE DRAWING A-502.
2. FOR KITCHEN ELEVATIONS, SEE DRAWING A-502
3. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
4. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.
5. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
6. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-404.
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-503.
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH.
9. CONTRACTOR SHALL COORDINATE SIZE & LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.
10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH FYREWRAP EZ 1.5 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S

CONCRETE BLOCK WALL - SEE PLAN FOR SIZE.

GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.

FACE BRICK AND CAST STONE

FIRE RATED SHAFT WALL

DOOR & FRAME - SEE FLOOR PLANS ON DWGS. A-100 THRU A-104 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE

PARTITION - SEE WALL TYPE LEGEND

LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-620

WINDOW - SEE WINDOW SCHEDULE ON DWG. A-600

EXIT LIGHT AND SIGN - CEILING MOUNTED

EXIT LIGHT AND SIGN - WALL MOUNTED

REMOVABLE KITCHEN BASE CABINET

COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR

HANDICAP ADAPTABLE APARTMENT UNIT

ELECTRICAL PANEL UNIT

24' WIDE FIRE FIGHTER AISLE

PARKING DRIVEWAY

PARKING STRIPING

PARKING SPACE (TYP)

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08-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

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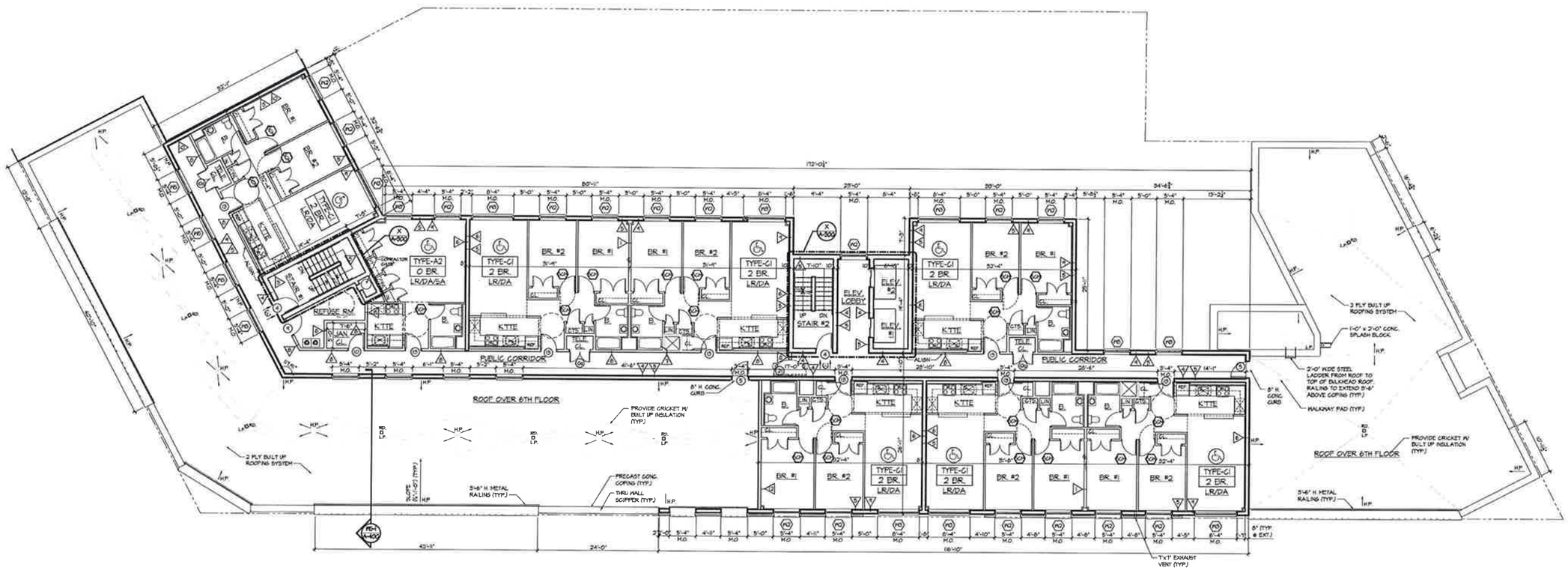
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
E. 142nd STREET, BRONX, NY 10456

BUILDING "B"
3rd THRU 6th FLOOR PLAN

DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	
DRAWING NO:	A-103.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087180

P0920_B_A-103



7th FLOOR PLAN

SCALE : ⅛" = 1'-0"

WALL TYPE LEGEND:

1. 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF ⅝" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF ⅝" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3⅝" METAL STUDS @ 16" O.C. WITH 3½" SOUND ATTENUATION INSULATION, EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK WITH CONT. FIRESTOP SEALANT, WHICH EVER IS APPLICABLE. (GA FILE #WP-1052) (STC 50-54)
2. TYPICAL PARTITION - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2½" METAL STUDS @ 16" O.C.
3. TYPICAL PARTITION - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3⅝" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.
4. CHASEWALL - (1) LAYER ½" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2½" METAL STUDS @ 16" O.C.
5. FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD OVER ⅞" METAL FURRING CHANNELS @ 16" O.C.
6. 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK. (UL #U906)
7. FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD OVER ½" 'Z' METAL FURRING @ 16" O.C.
8. 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF ⅝" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2½" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK AND ROOF PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (GA FILE #WP-1089) (STC 45-49).
9. 2 HOUR RATED PARTITION - (2) LAYERS ⅝" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3⅝" (20 GA.) METAL STUDS @ 16" O.C. WITH 3½" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (GA FILE #WP-1022, STC 55-59)
10. FURRING AT EXTERIOR CMU WALL - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD ON ½" 'Z' METAL FURRING @ 16" O.C. WITH 1½" RIGID INSULATION (UNFACED) BETWEEN STUDS.
11. FURRING AT CMU WALL - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD ON 3⅝" GALV METAL STUDS @ 16 O.C. WITH 3½" (R-15) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL.)
12. 3 HOUR RATED CMU WALL - (1) LAYER ½" TYPE "X" GYPSUM BOARD OVER 3⅝" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK. (UL #U414) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)
13. 2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS ⅝" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 3/8" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 3/8" (R-20) UNFACED BATT INSULATION BETWEEN STUDS. (UL #U424)

NOTES:

1. FOR TOILET ELEVATIONS, SEE DRAWING A-502.
2. FOR KITCHEN ELEVATIONS, SEE DRAWING A-502
3. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
4. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.
5. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
6. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-404.
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-503.
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH.
9. CONTRACTOR SHALL COORDINATE SIZE &LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.
10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH FYREWRAP EZ 1.5 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND:

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE.
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLAND ON DWGS. A-100 THRU A-104 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE
- PARTITION - SEE WALL TYPE LEGEND
- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-600
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-600
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- SCM — COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT

- 24" WIDE FIRE FIGHTER AISLE
- PARKING DRIVEWAY
- PARKING STRIPING
- PARKING SPACE (TYP)

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PROPOSED NEW MIXED USE DEVELOPMENT FOR:

MORRIS COURT APARTMENTS

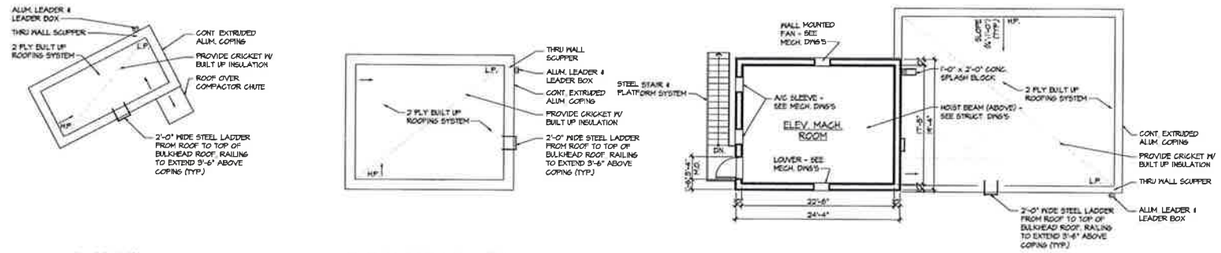
E. 142nd STREET, BRONX, NY 10456

BUILDING "B"
7th FLOOR PLAN

DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	PC
DRAWING NO:	A-104.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087180

P0920_B_A-104



STAIR #1 ROOF PLAN

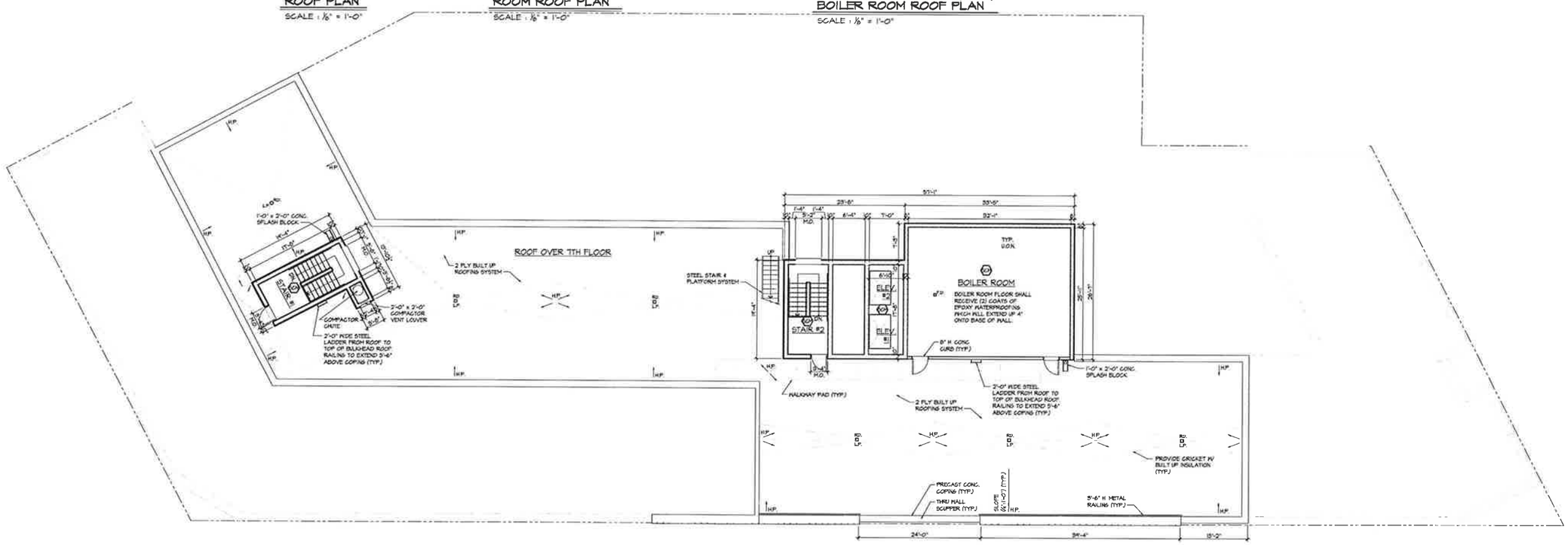
SCALE : 1/8" = 1'-0"

ELEVATOR MACHINE ROOM ROOF PLAN

SCALE : 1/8" = 1'-0"

ELEVATOR MACHINE ROOM / BOILER ROOM ROOF PLAN

SCALE : 1/8" = 1'-0"



ROOF PLAN

SCALE : 1/8" = 1'-0"

WALL TYPE LEGEND:

1. 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE. (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 5/8" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK WITH CONT. FIRESTOP SEALANT, WHICH EVER IS APPLICABLE. (BA FILE WHP-1052) (STC 50-54)
2. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 5/8" METAL STUDS @ 16" O.C.
3. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.
4. CHASEWALL - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2 5/8" METAL STUDS @ 16" O.C.
5. FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" METAL FURRING CHANNELS @ 16" O.C.
6. 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIREBATTING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL W406)
7. FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1 5/8" Z" METAL FURRING @ 16" O.C.
8. 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2 5/8" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK AND ROOF PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (BA FILE WHP-1045) (STC 45-48)
9. 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA.) METAL STUDS @ 16" O.C. WITH 3 5/8" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (BA FILE WHP-1522, STC 55-58)
10. FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1 5/8" Z" METAL FURRING @ 16" O.C. WITH 1 1/2" RIGID INSULATION (UNFACED) BETWEEN STUDS.
11. FURRING AT CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 5/8" (R-13) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL.)
12. 3 HOUR RATED CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 3/4" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIREBATTING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL W414) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)
13. 2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER 5/8" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5 5/8" (R-20) UNFACED BATT INSULATION BETWEEN STUDS. (UL W424)

NOTES

1. FOR TOILET ELEVATIONS, SEE DRAWING A-502.
2. FOR KITCHEN ELEVATIONS, SEE DRAWING A-502
3. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWGS A-100 - A-105.
4. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.
5. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
6. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-404.
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-503.
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH.
9. CONTRACTOR SHALL COORDINATE SIZE &LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.
10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH FYREWRAP EZ 15 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND

- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWGS
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE.
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLANS ON DWGS. A-100 THRU A-104 & DOOR SCHEDULE ON DWG. A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE
- PARTITION - SEE WALL TYPE LEGEND
- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-600
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-600
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT

24" WIDE FIRE FIGHTER AISLE

PARKING DRIVEWAY

PARKING STRIPING

PARKING SPACE (TYP.)

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DATE	REVISIONS
12-09-11	ISSUED TO H.P.D FOR REVIEW & COMMENT
08-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

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121 WEST 27TH STREET, NEW YORK,NY 10001 TEL: 212-242-5221 FAX: 800-773-8304

PROPOSED NEW MIXED USE DEVELOPMENT FOR:

MORRIS COURT APARTMENTS

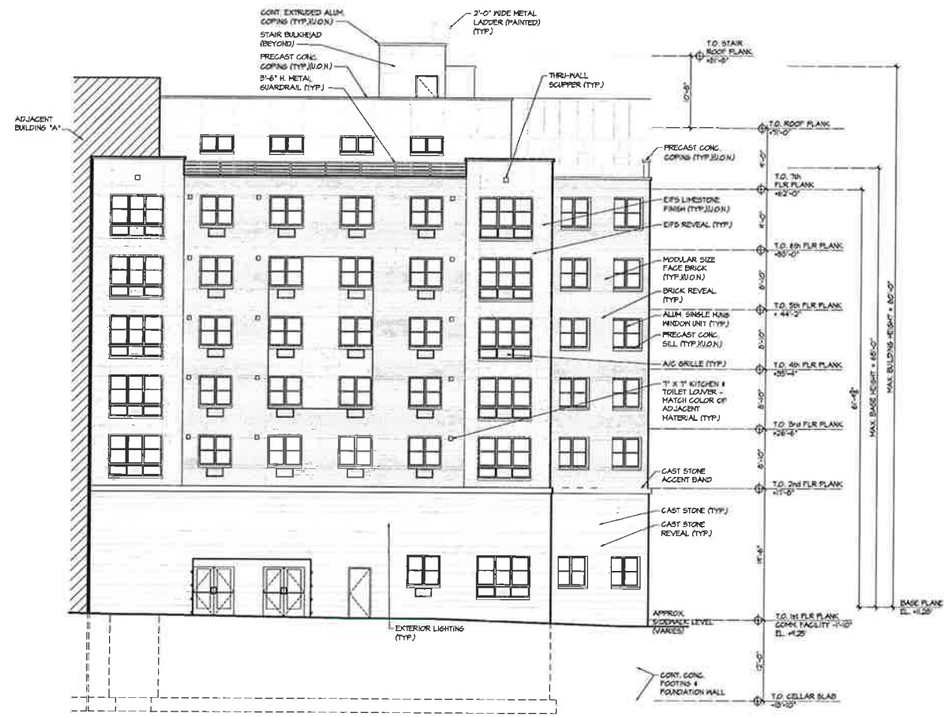
E. 142nd STREET, BRONX, NY 10456

BUILDING "B" ROOF PLANS

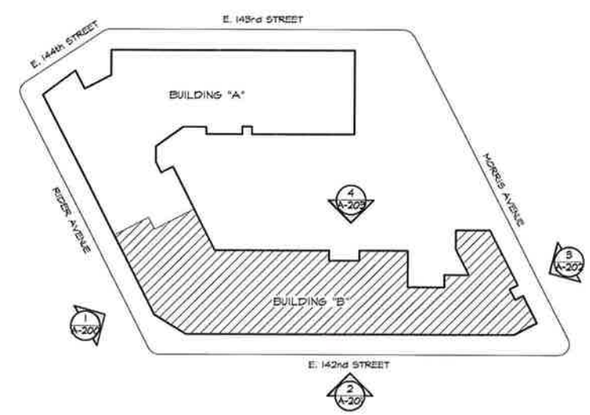
DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	PC
DRAWING NO:	A-105.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220067180

P0920_B_A-105



1 A-200 ELEVATION @ RYDER AVENUE
SCALE : 1/8" = 1'-0"



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[redacted]cts LLC
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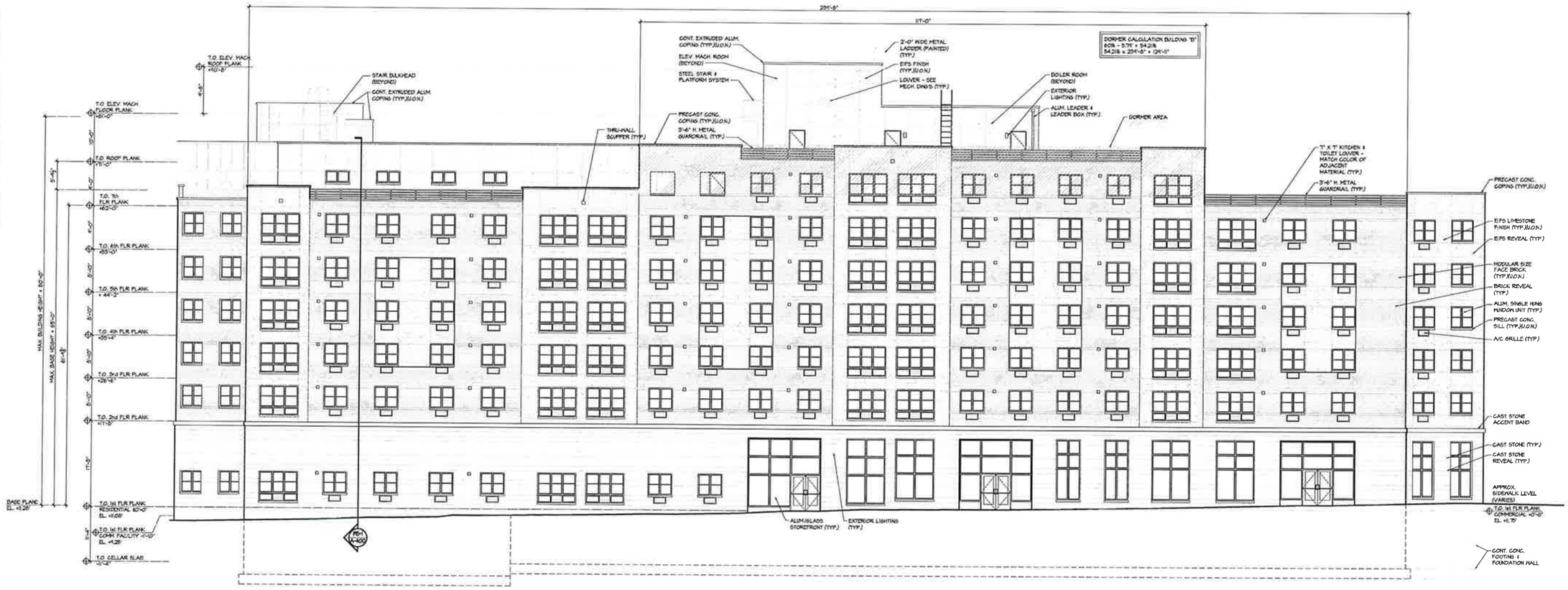
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
E. 142nd STREET, BRONX, NY 10456

BUILDING "B"
ELEVATION @ RIDER AVENUE

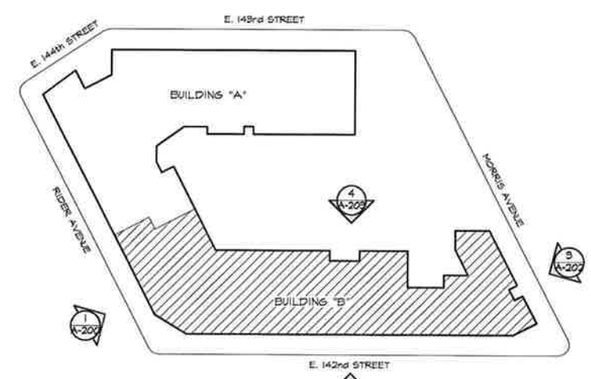
DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	
DRAWING NO:	A-200.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087180

P0920_B_A-200



2 A-201 ELEVATION @ E. 142nd STREET
SCALE : 1/8" = 1'-0"



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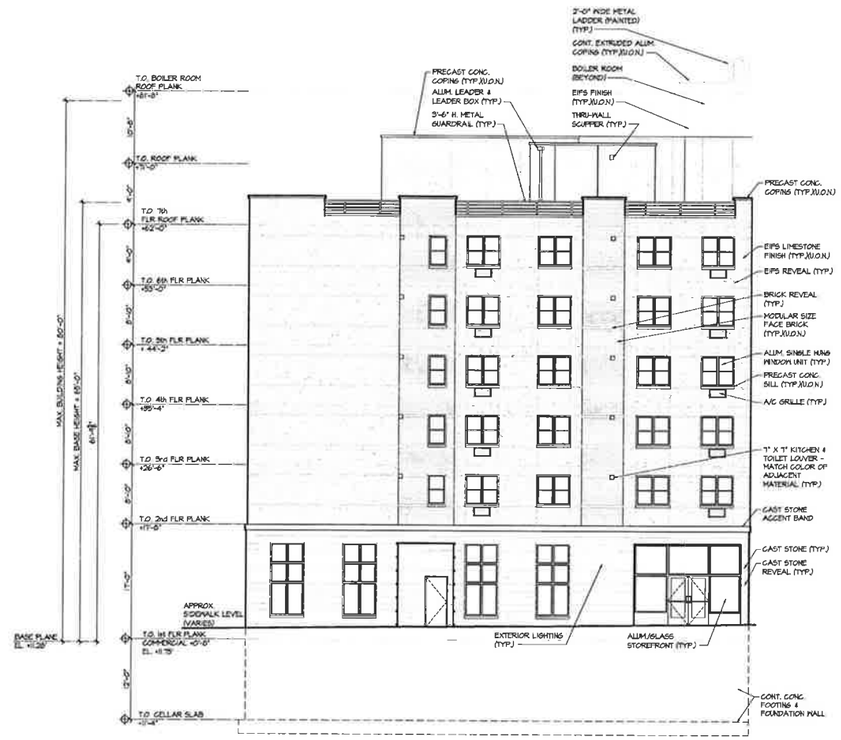
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
E. 142nd STREET, BRONX, NY 10456

BUILDING "B"
ELEVATION @ 142nd STREET

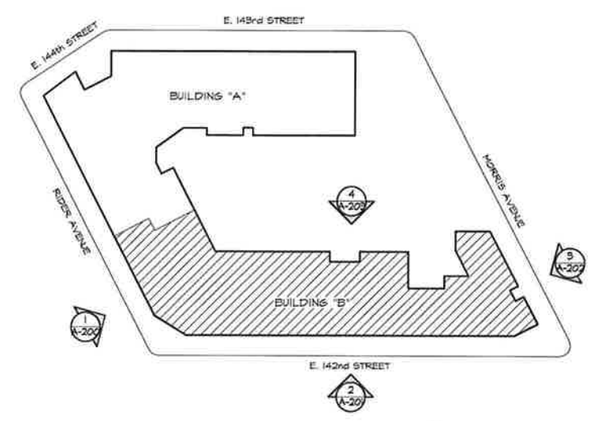
DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	
DRAWING NO:	A-201.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220067180

P0920_B_A-201



3 A-202 ELEVATION @ MORRIS AVENUE
SCALE : 1/8" = 1'-0"



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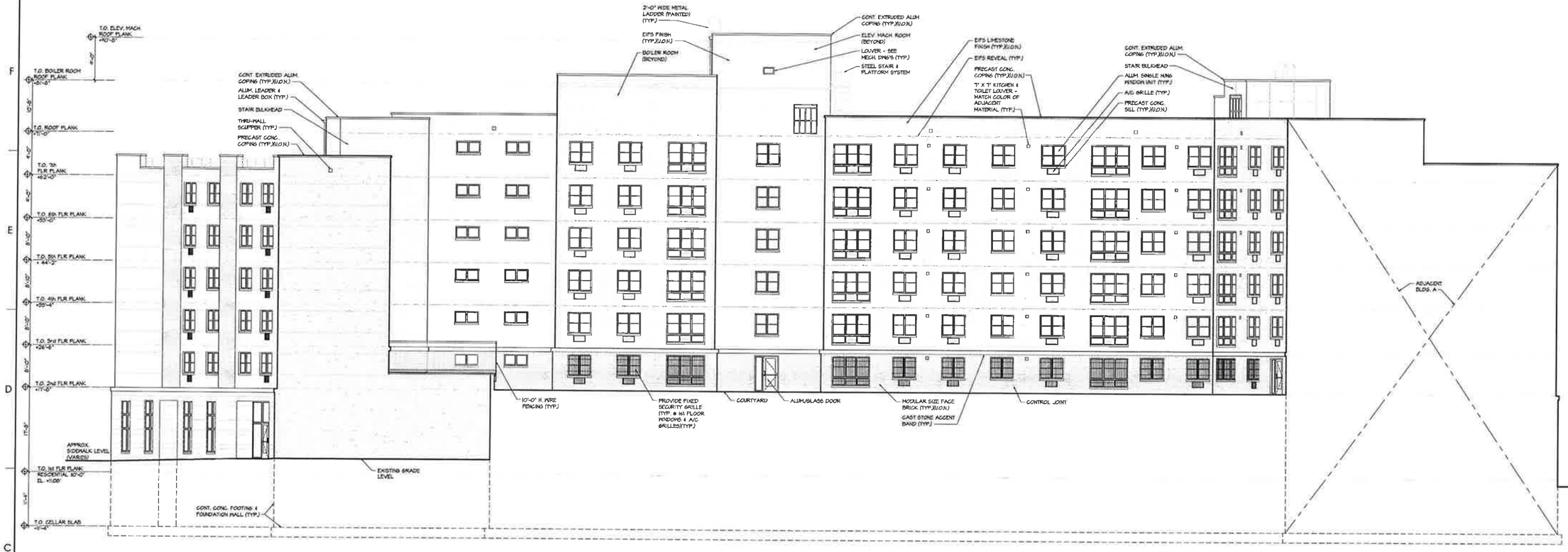
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
E. 142nd STREET, BRONX, NY 10456

BUILDING "B"
ELEVATION @ MORRIS AVENUE

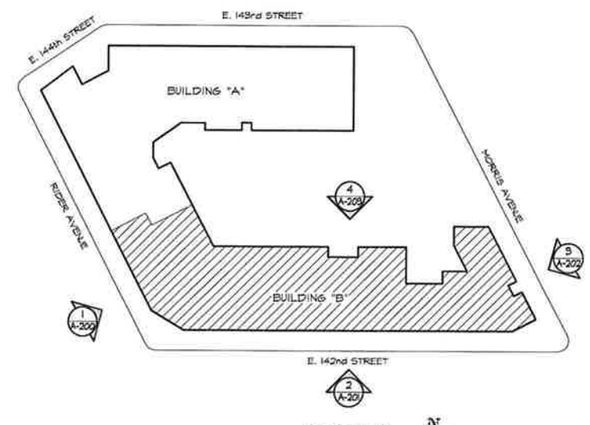
DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	
DRAWING NO:	A-202.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087180

P0920_B_A-202



4 A-203 NORTH ELEVATION
SCALE : 1/8" = 1'-0"



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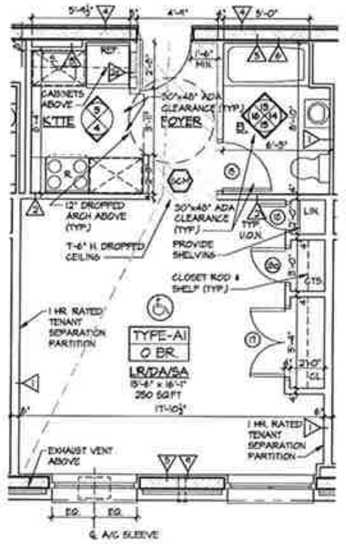
PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
E. 142nd STREET, BRONX, NY 10456

BUILDING "B"
NORTH ELEVATION

DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	
DRAWING NO:	A-203.00
SCALE: AS NOTED	SHEET NO: X of XX

NYC DOB NUMBER: 220087180

P0920_B_A-203



APT. TYPE A1
SCALE : 1/4" = 1'-0"

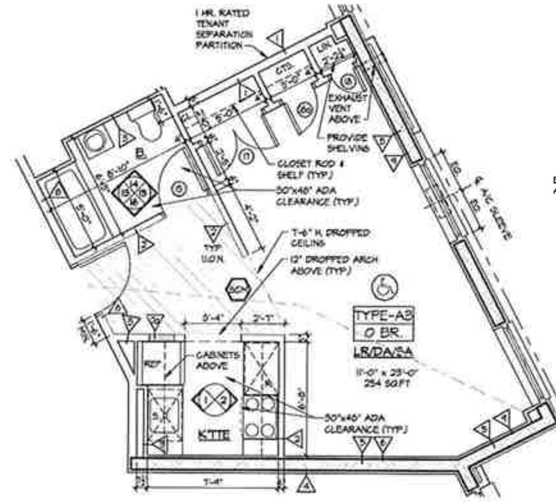
	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	5'-0"	5'-2"
SHELVING (LINEAR FEET)	30'-0"	41'-3"

EXIT ACCESS DISTANCE = 26'-10"

APT. TYPE A2
SCALE : 1/4" = 1'-0"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	5'-0"	6'-1"
SHELVING (LINEAR FEET)	30'-0"	43'-0"

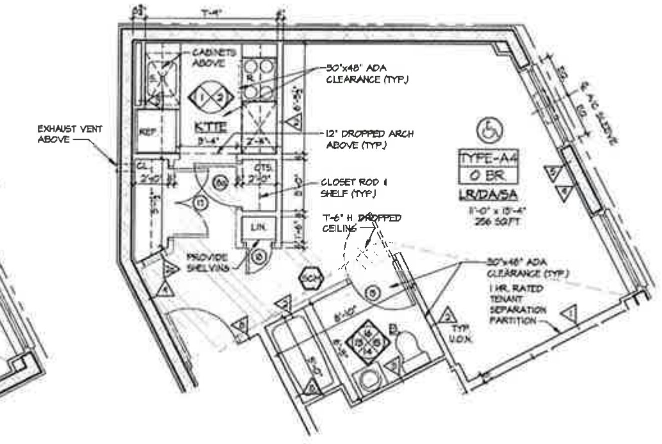
EXIT ACCESS DISTANCE = 26'-10"



APT. TYPE A3
SCALE : 1/4" = 1'-0"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	5'-0"	6'-2"
SHELVING (LINEAR FEET)	30'-0"	46'-0"

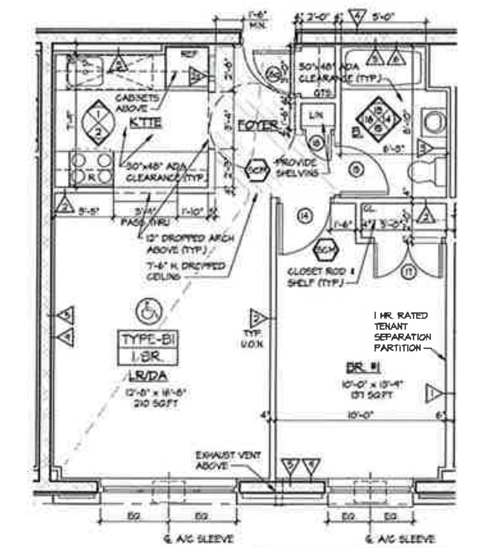
EXIT ACCESS DISTANCE = 27'-7"



APT. TYPE A4
SCALE : 1/4" = 1'-0"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	5'-0"	5'-4"
SHELVING (LINEAR FEET)	30'-0"	43'-6"

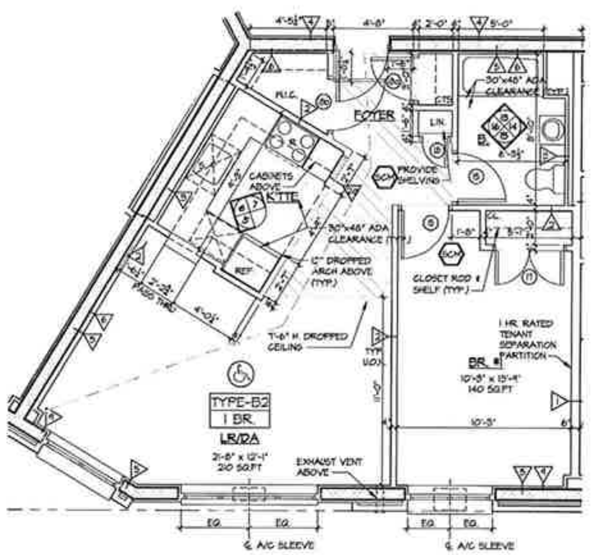
EXIT ACCESS DISTANCE = 26'-1"



APT. TYPE B1
SCALE : 1/4" = 1'-0"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	6'-0"	10'-1"
SHELVING (LINEAR FEET)	40'-0"	47'-0½"

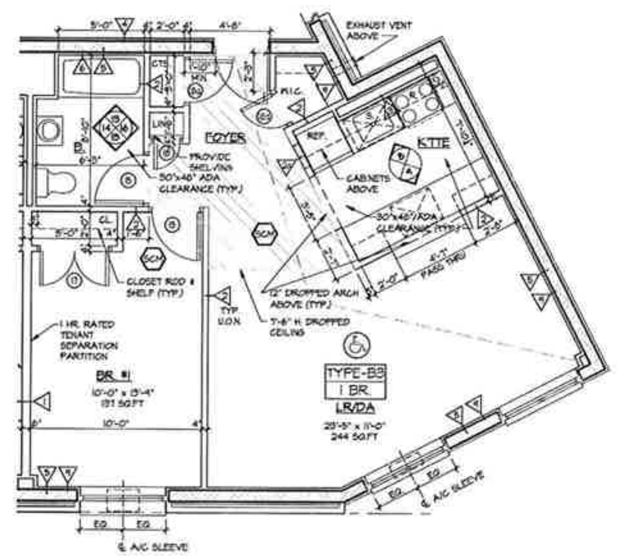
EXIT ACCESS DISTANCE = 27'-8"



APT. TYPE B2
SCALE : 1/4" = 1'-0"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	6'-0"	8'-0"
SHELVING (LINEAR FEET)	40'-0"	63'-1"

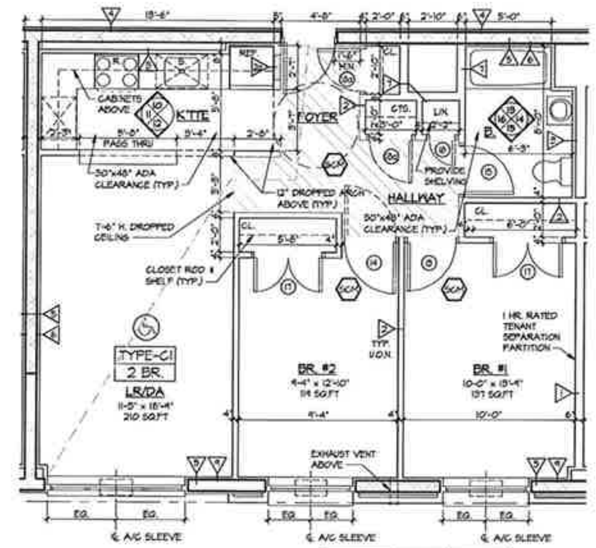
EXIT ACCESS DISTANCE = 28'-4"



APT. TYPE B3
SCALE : 1/4" = 1'-0"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	6'-0"	11'-4"
SHELVING (LINEAR FEET)	40'-0"	58'-1"

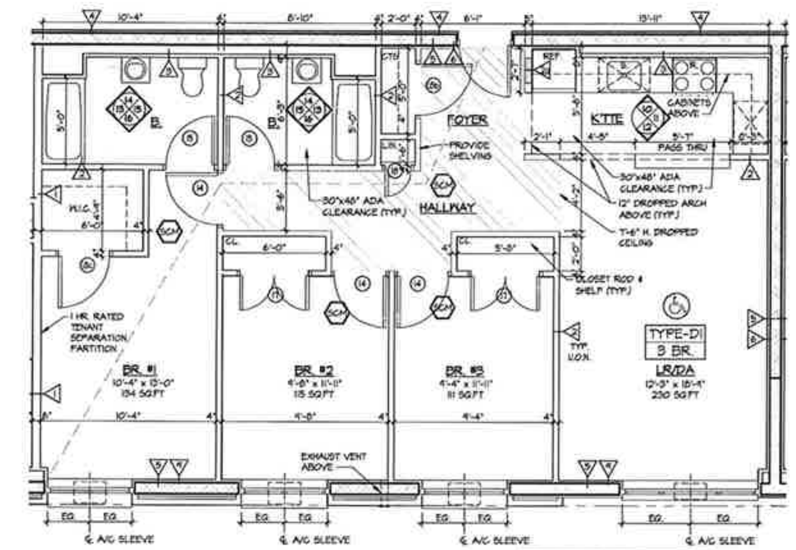
EXIT ACCESS DISTANCE = 30'-10"



APT. TYPE C1
SCALE : 1/4" = 1'-0"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	7'-0"	7'-10"
SHELVING (LINEAR FEET)	50'-0"	60'-10"

EXIT ACCESS DISTANCE = 32'-0"



APT. TYPE D1
SCALE : 1/4" = 1'-0"

	REQUIRED	PROVIDED
COUNTER TOP (LINEAR FEET)	8'-0"	8'-5"
SHELVING (LINEAR FEET)	56'-0"	62'-1"

EXIT ACCESS DISTANCE = 40'-0"

WALL TYPE LEGEND:

1. I HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3½" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK WITH CONT. FIRESTOP SEALANT, WHICH EVER IS APPLICABLE. (GA FILE #WP-1052) (STC 50-54)
2. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 ½" METAL STUDS @ 16" O.C.
2a. TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. TO RECEIVE ELECTRIC PANEL.
3. CHASEWALL - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ON ONE SIDE OF 2½" METAL STUDS @ 16" O.C.
4. FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL FURRING CHANNELS @ 16" O.C.
5. 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION AS REQUIRED WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U906)
6. FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1½" 'Z' METAL FURRING @ 16" O.C.
7. 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2½" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM PANEL ON SHAFT SIDE WITH 1" MINERAL FIBER INSULATION IN CAVITY. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE PLANK & SEAL TIGHT TO UNDERSIDE OF CONCRETE PLANK AND ROOF PLANK WITH CONT. FIRESTOP SEALANT AS REQUIRED (GA FILE #WP-7045) (STC 45-49)
8. 2 HOUR RATED PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" (20 GA) METAL STUDS @ 16" O.C. WITH 3½" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. (GA FILE #WP-1522, STC 55-59)
9. FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1½" 'Z' METAL FURRING @ 16" O.C. WITH 1½" RIGID INSULATION (UNFACED) BETWEEN STUDS.
10. FURRING AT CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV METAL STUDS @ 16 O.C. WITH 3½" (R-15) BATT INSULATION WITH VAPOR BARRIER BETWEEN STUDS. (GALV. STUDS NOT REQ'D AT INTERIOR CMU WALL.)
11. 3 HOUR RATED CMU WALL - (1) LAYER ½" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR PLANK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHEREVER A GAP EXISTS BETWEEN TOP OF CMU WALL AND UNDERSIDE OF PLANK (UL #U914) (PROVIDE STC RATING OF 50-54 FOR SHAFT ADJACENT TO DWELLING UNITS)
12. 2 HOUR RATED EXTERIOR METAL STUD WALL - (3) LAYERS 5/8" TYPE "X" GYPSUM BOARD (INTERIOR SIDE - SEAL WITH CONT. FIRESTOP SEALANT 3 SIDES) OVER 6" GALV. METAL STUDS @ 16" O.C. WITH (1) LAYER ½" GYPSUM SHEATHING (EXTERIOR SIDE) AND 5½" (R-21) UNFACED BATT INSULATION BETWEEN STUDS. (UL #U424)

NOTES

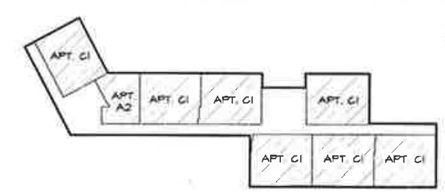
1. FOR TOILET ELEVATIONS, SEE DRAWING A-502.
2. FOR KITCHEN ELEVATIONS, SEE DRAWING A-502
3. FOR MASONRY WALLS SIZE AND LOCATION - SEE DWG'S A-100 - A-105.
4. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN PLANK WITH MECHANICAL DRAWINGS & CONC. PLANK CONTRACTOR.
5. FOR DOOR TYPES, SEE DOOR SCHEDULE DRAWING A-600.
6. IF A SPRINKLER LINE IS EXPOSED IN A LIVING AREA ENCLOSE IN A GYP BD SOFFIT - SEE SPRINKLER DWGS AND DET. XX ON DWG A-404.
7. FOR CLOSET ROD & SHELF DETAIL - SEE DETAIL XX ON DWG A-503.
8. PROVIDE MOP SINKS AND FLOOR DRAINS IN JANITOR'S CLOSETS ON FLOORS: 2ND, 4TH & 6TH.
9. CONTRACTOR SHALL COORDINATE SIZE & LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR WITH ELEVATOR VENDOR.
10. ENCAPSULATE ALL HORIZONTAL DUCTWORK WITH FYREWRAP EZ 1.5 2 HOUR RATED NONCOMBUSTIBLE DUCT BLANKET INSULATION - SEE MECHANICAL DWGS.
11. ALL APARTMENT UNITS ARE HANDICAP ADAPTABLE

LEGEND

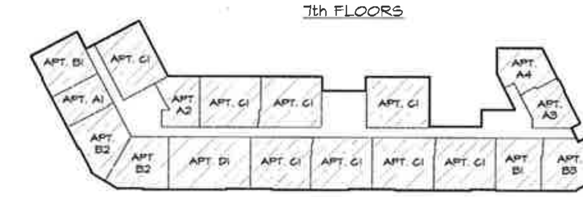
- CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG'S
- CONCRETE BLOCK WALL - SEE PLAN FOR SIZE.
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- FACE BRICK AND CAST STONE
- FIRE RATED SHAFT WALL
- DOOR & FRAME - SEE FLOOR PLANS ON DWGS A-100 THRU A-104 & DOOR SCHEDULE ON DWG A-600. REVERSE DOOR SWING IF APARTMENT BECOMES ACCESSIBLE AT A LATER DATE AS INDICATED BY DOTTED LINE
- PARTITION - SEE WALL TYPE LEGEND
- LOUVER - SEE MECHANICAL DWGS. AND LOUVER SCHEDULE ON DWG. A-600
- WINDOW - SEE WINDOW SCHEDULE ON DWG. A-600
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- REMOVABLE KITCHEN BASE CABINET
- COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR
- HANDICAP ADAPTABLE APARTMENT UNIT
- ELECTRICAL PANEL UNIT

MORRIS COURT APARTMENTS - BUILDING B LIGHT AND VENTILATION SCHEDULE

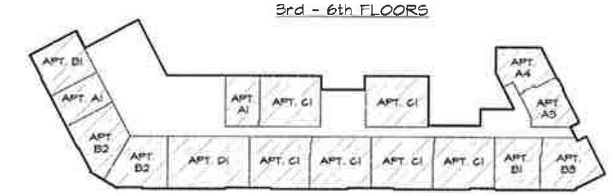
ROOM NAME	FLOOR AREA (sq ft.)	LIGHT 10% REQ	LIGHT PROV.	VENT 5% REQ	VENT PROV.
APT. TYPE - A1					
LIVING/ DINING/ SLEEPING AREA	250	25.00	31.30	12.50	14.18
APT. TYPE - A2					
LIVING/ DINING/ SLEEPING AREA	273	27.34	31.30	13.67	14.18
APT. TYPE - A3					
LIVING/ DINING/ SLEEPING AREA	256	25.58	31.30	12.79	14.18
APT. TYPE - A4					
LIVING/ DINING/ SLEEPING AREA	257	25.69	31.30	12.85	14.18
APT. TYPE - B1					
BEDROOM 1	138	13.75	15.65	6.88	7.00
LIVING/ DINING	211	21.10	48.04	10.55	18.58
APT. TYPE - B2					
BEDROOM 1	141	14.09	15.65	7.05	7.00
LIVING/ DINING	210	20.99	32.30	10.50	11.49
APT. TYPE - B3					
BEDROOM 1	138	13.75	15.65	6.88	7.00
LIVING/ DINING	246	24.60	31.30	12.30	14.18
APT. TYPE - C1					
BEDROOM 1	138	13.75	15.65	6.88	7.00
BEDROOM 2	120	11.98	15.65	5.99	7.00
LIVING/ DINING	211	21.09	32.30	10.55	11.49
APT. TYPE - D1					
BEDROOM 1	136	13.61	15.65	6.80	7.00
BEDROOM 2	115	11.50	15.65	5.75	7.00
BEDROOM 3	117	11.67	15.65	5.83	7.00
LIVING/ DINING	230	22.97	32.30	11.48	11.49



7th FLOORS



3rd - 6th FLOORS



2nd FLOOR

KEY PLANS
NOT TO SCALE

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DATE	REVISIONS
12-09-11	ISSUED TO H.P.D FOR REVIEW & COMMENT
05-17-11	RE-ISSUED FOR D.O.B. REVIEW & COMMENT
08-23-10	ISSUED FOR D.O.B. REVIEW & COMMENT

HUGO S. SUBOTOVSKY AIA
[redacted]cts LLC
47 N. ARMONT ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0005
121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-243-5321 FAX: 800-773-8304

PROPOSED NEW MIXED USE DEVELOPMENT FOR:
MORRIS COURT APARTMENTS
E. 142nd STREET, BRONX, NY 10456

BUILDING "B" APARTMENT PLANS

DATE:	08-23-10
PROJECT NO:	0920
DRAWN BY:	SCR
CHECKED BY:	ET
DRAWING NO:	A-500.00
SCALE: AS NOTED	SHEET NO: X of XX
NYC DOB NUMBER:	220087180

P0920_B_A-500

II

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 400 Rider Street
Project No.: 10BR020
Location: East 142 Street, Lot 38
Bronx, New York

Soil Boring/Test Pit ID: TP-1
Date Installed: 3/8/12
Depth to Groundwater: 14 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-8.0	0	Brown coarse to medium to fine sand, concrete and brick (Fill material)
8.0-14.0	0	Weathered Marble
14.0	0	Micaceous Schist
14.0		**Total Depth**
		Groundwater at approximately 14 feet below grade
		Samples for Laboratory Analysis
0-2.0	0	TP-1A
12.0-14.0	0	TP-1B

Date: 4/2/12 **Signature:** Duane Shinton
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

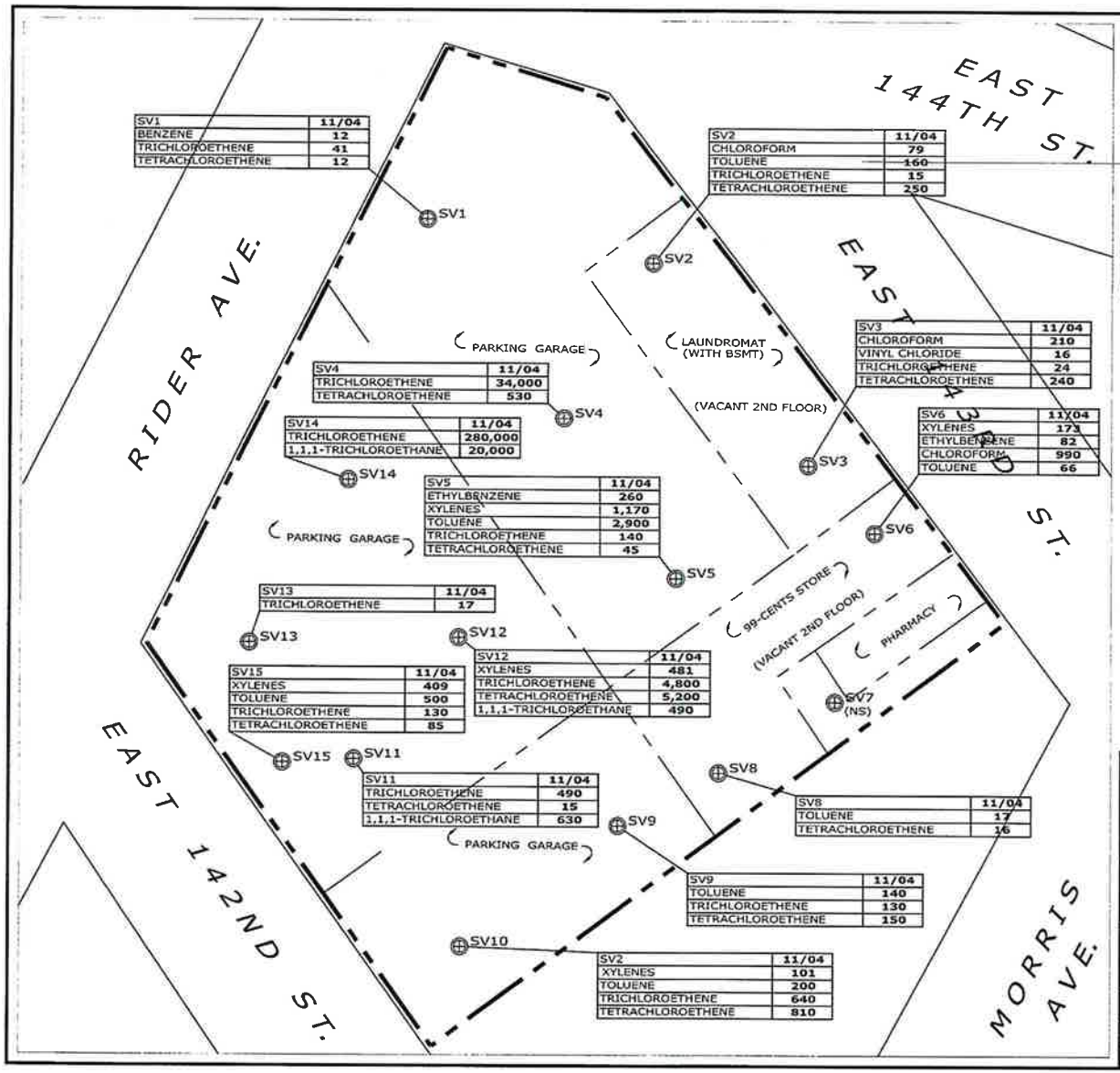
Project Name: 400 Rider Street
Project No.: 10BR020
Location: 400 Rider Street
Bronx, New York

Soil Boring/Test Pit ID: S-1
Date Installed: 2/29/12
Depth to Groundwater: 10 Feet (From Boring Grade)

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-0.5	0	Brown sand and gravel
0.5-4.5	0	Brown fine sand, little silt, some brick at 2.5 feet
4.5-5.0	0	Wood debris
5.0-12.0	0	Brown fine sand, little silt
12.0-14.0	0	Brown medium to fine sand, little marble gravel, trace silt
14.0-14.5	0	Green silt and clay
14.5-15.0	0	Marble gravel and medium to fine sand
15.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
0-2.0	0	Sample S-1A
8.5-10.5	0	Sample S-1B
		Groundwater at approximately 10 feet below boring grade

Date: 4/2/12 **Signature:** _____
Duane Shinton, Geologist

III



SV1	11/04
BENZENE	12
TRICHLOROETHENE	41
TETRACHLOROETHENE	12

SV2	11/04
CHLOROFORM	79
TOLUENE	160
TRICHLOROETHENE	15
TETRACHLOROETHENE	250

SV3	11/04
CHLOROFORM	210
VINYL CHLORIDE	16
TRICHLOROETHENE	24
TETRACHLOROETHENE	240

SV4	11/04
TRICHLOROETHENE	34,000
TETRACHLOROETHENE	530

SV5	11/04
ETHYLBENZENE	260
XYLENES	1,170
TOLUENE	2,900
TRICHLOROETHENE	140
TETRACHLOROETHENE	45

SV6	11/04
XYLENES	173
ETHYLBENZENE	82
CHLOROFORM	990
TOLUENE	66

SV8	11/04
TOLUENE	17
TETRACHLOROETHENE	16

SV9	11/04
TOLUENE	140
TRICHLOROETHENE	130
TETRACHLOROETHENE	150

SV10	11/04
XYLENES	101
TOLUENE	200
TRICHLOROETHENE	640
TETRACHLOROETHENE	810

SV11	11/04
TRICHLOROETHENE	490
TETRACHLOROETHENE	15
1,1,1-TRICHLOROETHANE	630

SV12	11/04
XYLENES	481
TRICHLOROETHENE	4,800
TETRACHLOROETHENE	5,200
1,1,1-TRICHLOROETHANE	490

SV13	11/04
TRICHLOROETHENE	17

SV14	11/04
TRICHLOROETHENE	280,000
1,1,1-TRICHLOROETHANE	20,000

SV15	11/04
XYLENES	409
TOLUENE	500
TRICHLOROETHENE	130
TETRACHLOROETHENE	85

LEGEND

PROPERTY BOUNDARY

EDGE OF ROAD

STRUCTURES/WALLS WITHIN BUILDING

SV1 SOIL VAPOR LOCATION AND ID

SV1	11/11	SOIL VAPOR SAMPLE ID AND SAMPLE DATE
CHLOROFORM	210	CHLOROFORM RESULTS IN ug/m3
TOLUENE	160	TOLUENE RESULTS IN ug/m3
VINYL CHLORIDE	16	VINYL CHLORIDE RESULTS IN ug/m3
XYLENES	1,170	XYLENES RESULTS IN ug/m3
ETHYLBENZENE	ND	ETHYLBENZENE RESULTS IN ug/m3
TRICHLOROETHENE	15	TRICHLOROETHENE RESULTS IN ug/m3
TETRACHLOROETHENE	250	TETRACHLOROETHENE RESULTS IN ug/m3
CIS-1,2-DICHLOROETHENE	490	CIS-1,2-DICHLOROETHENE RESULTS IN ug/m3

NS NOT SAMPLED DUE TO REFUSAL

NOTES:

1. ALL SITE FEATURES ARE APPROXIMATE.
2. LOCATION SV2 AND SV3 IN BASEMENT. COLLECTED AS SUB-SLAB VAPOR SAMPLES.
3. ALL OTHER SAMPLES COLLECTED AT A DEPTH OF FIVE FEET BELOW GRADE.

SOURCE:

1. SANBORN MAP. MAP NO. 68. SCALE 1"=50'. 1996.

0 30 60

SCALE: 1" = 30'

TITLE: FIGURE 3

SOIL VAPOR RESULTS

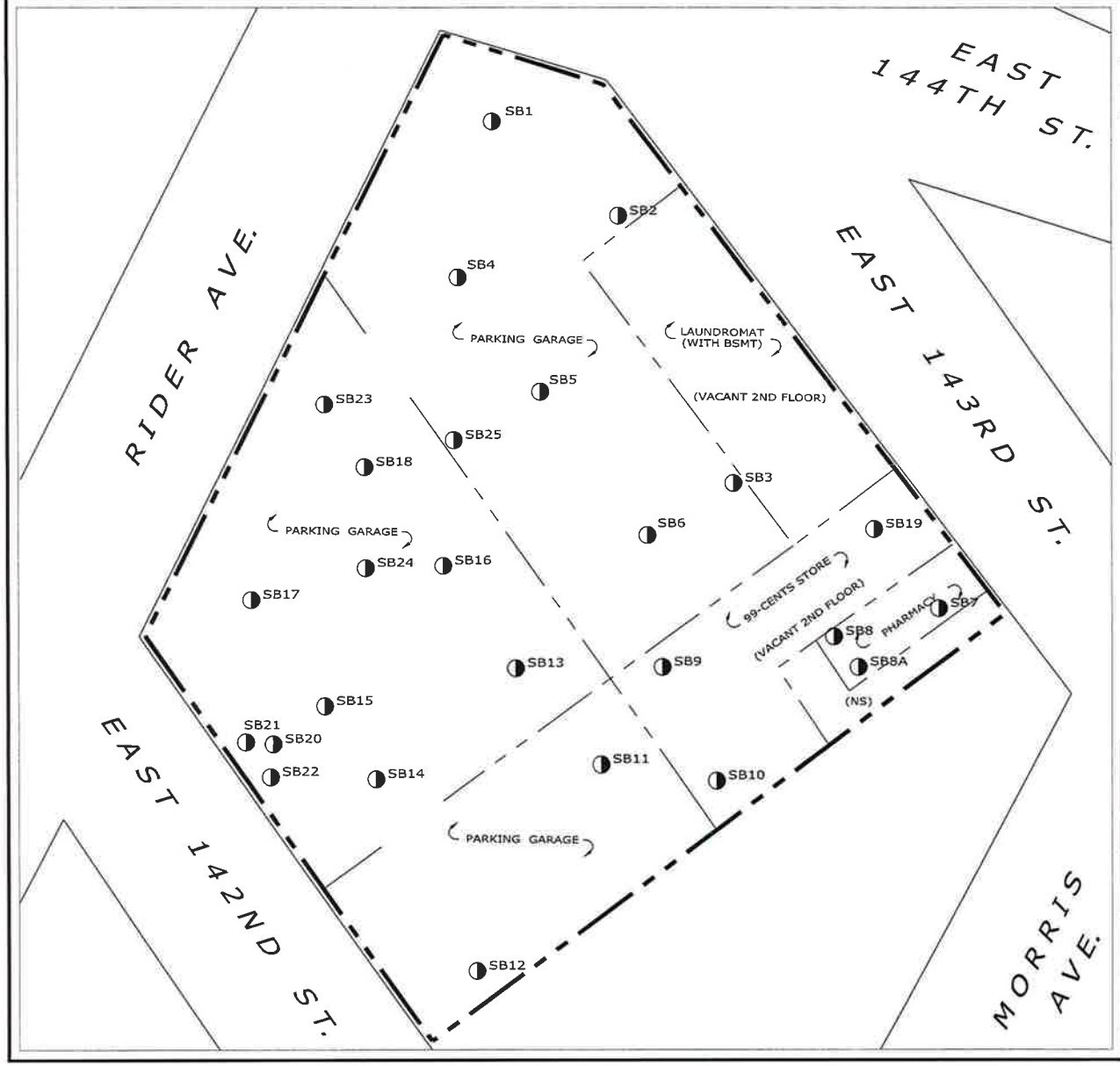
LOCATION: 400 RIDER AVE. BRONX, NEW YORK

DATE: 12/17/08

FILENAME: 207063_SITEPLAN.dwg

LAYOUT: SOIL VAPOR

ENVIRONMENTAL LIABILITY MANAGEMENT, L.L.C.



LEGEND

- PROPERTY BOUNDARY
- EDGE OF ROAD
- STRUCTURES/WALLS WITHIN BUILDING
- SB1 PROPOSED SOIL SAMPLING LOCATION AND ID

NOTES:
1. ALL SITE FEATURES ARE APPROXIMATE.
2. SOIL SAMPLING LOCATIONS ARE APPROXIMATE TO FORMER AST

SOURCE:
1. SANBORN MAP. MAP NO. 68. SCALE 1"=50'. 1996.

0 30 60

SCALE: 1" = 30'

TITLE: FIGURE 4

SOIL SAMPLING LOCATIONS

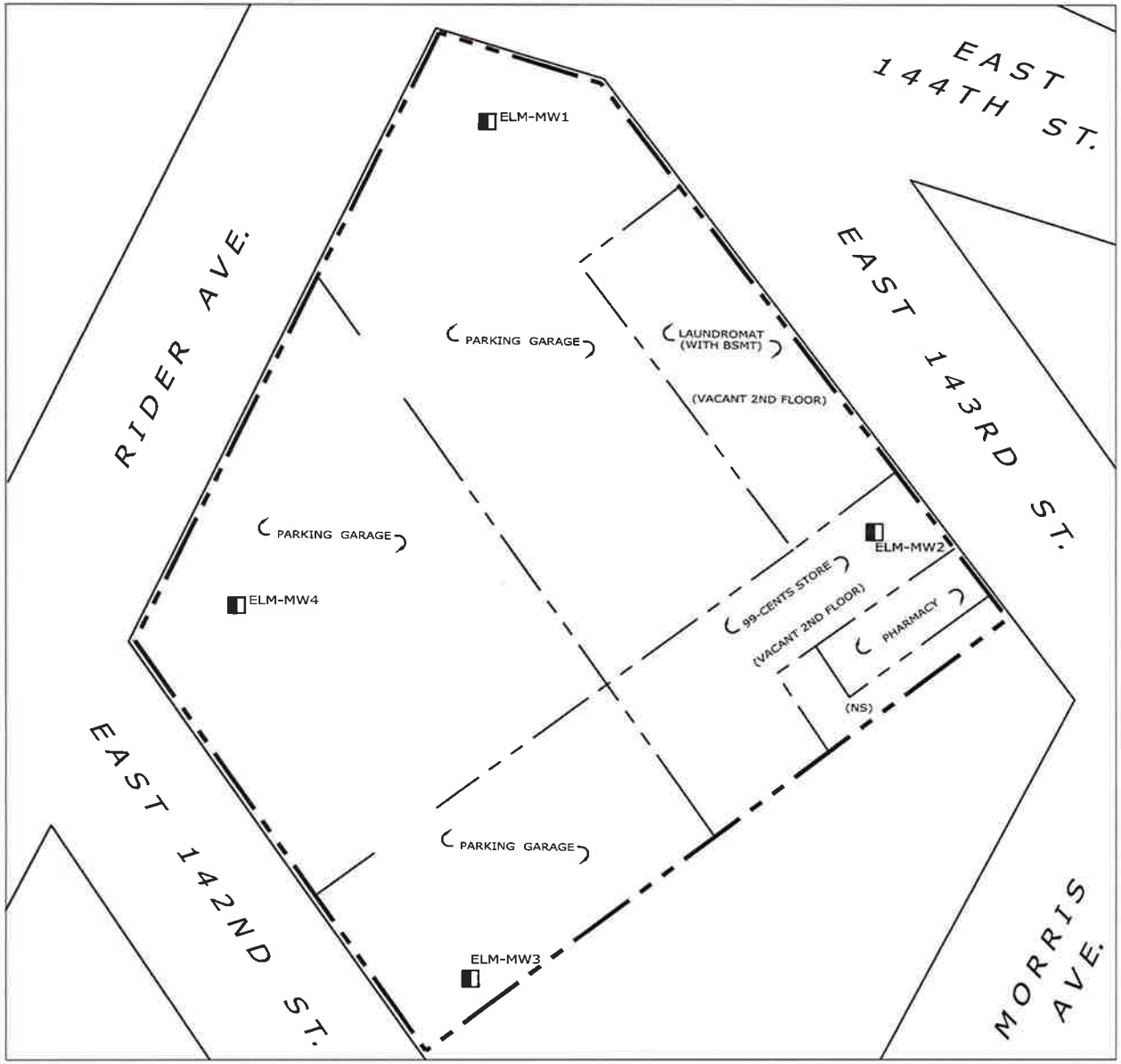
LOCATION: 400 RIDER AVE. BRONX, NEW YORK

DATE: 12/12/08

FILENAME: 207063_SITEPLAN.dwg

LAYOUT: SOIL

ENVIRONMENTAL LIABILITY MANAGEMENT, L.L.C.
267 BROADWAY, FIFTH FLOOR, NEW YORK, NEW YORK 10007
WWW.ELMINC.COM



LEGEND

- PROPERTY BOUNDARY
- EDGE OF ROAD
- STRUCTURES/WALLS WITHIN BUILDING
- ELM-MW2 GROUNDWATER MONITORING WELL LOCATION AND ID

NOTES:
1. ALL SITE FEATURES ARE APPROXIMATE.

SOURCE:
1. SANBORN MAP. MAP NO. 68. SCALE 1"=50'. 1996.

0 30 60

SCALE: 1" = 30'

TITLE: FIGURE 5

GROUNDWATER MONITORING WELL LOCATIONS

LOCATION: 400 RIDER AVE. BRONX, NEW YORK

DATE: 12/19/08

FILENAME: 207063_SITEPLAN.dwg

LAYOUT: GROUNDWATER

ENVIRONMENTAL LIABILITY MANAGEMENT, L.L.C.
267 BROADWAY, FIFTH FLOOR, NEW YORK, NEW YORK 10007
WWW.ELMINC.COM

IV

Table 3
Complete Soil Vapor Sampling Results
400 Rider Avenue
Bronx, NY

SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-1	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	1.4
SV-1	11/4/2008	1,1,1-Trichloroethane	71-55-6	ND	1.8
SV-1	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	1.4
SV-1	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	1.8
SV-1	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	2.6
SV-1	11/4/2008	1,1-Dichloroethane	75-34-3	ND	2.4
SV-1	11/4/2008	1,1-Dichloroethene	75-35-4	ND	2.5
SV-1	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	2.7
SV-1	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	ND	2.0
SV-1	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	1.3
SV-1	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	3.3
SV-1	11/4/2008	1,2-Dichloroethane	107-06-2	ND	2.4
SV-1	11/4/2008	1,2-Dichloropropane	78-87-5	ND	2.1
SV-1	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	2.0
SV-1	11/4/2008	1,3-Butadiene	106-99-0	ND	4.5
SV-1	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	3.3
SV-1	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	3.3
SV-1	11/4/2008	1,4-Dioxane	123-91-1	ND	2.7
SV-1	11/4/2008	2-Butanone	78-93-3	4.0	3.3
SV-1	11/4/2008	2-Hexanone	591-78-6	ND	4.8
SV-1	11/4/2008	4-Ethyltoluene	622-96-8	ND	2.0
SV-1	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	2.4
SV-1	11/4/2008	Acetone	67-64-1	ND	17
SV-1	11/4/2008	Benzene	71-43-2	3.7	3.1
SV-1	11/4/2008	Benzyl chloride	100-44-7	ND	1.9
SV-1	11/4/2008	Bromodichloromethane	75-27-4	ND	1.5
SV-1	11/4/2008	Bromoform	75-25-2	ND	3.8
SV-1	11/4/2008	Bromomethane	74-83-9	ND	2.5
SV-1	11/4/2008	Carbon disulfide	75-15-0	8.3	3.2
SV-1	11/4/2008	Carbon tetrachloride	56-23-5	ND	1.6
SV-1	11/4/2008	Chlorobenzene	108-90-7	ND	2.1
SV-1	11/4/2008	Chloroethane	75-00-3	ND	3.7
SV-1	11/4/2008	Chloroform	67-66-3	ND	2.0
SV-1	11/4/2008	Chloromethane	74-87-3	ND	4.8
SV-1	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	2.5
SV-1	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	2.2
SV-1	11/4/2008	Cyclohexane	110-82-7	10	5.7
SV-1	11/4/2008	Dibromochloromethane	124-48-1	ND	1.2
SV-1	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	4.0
SV-1	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	2.8
SV-1	11/4/2008	Ethyl acetate	141-78-6	ND	2.7
SV-1	11/4/2008	Ethylbenzene	100-41-4	ND	2.3
SV-1	11/4/2008	Hexachlorobutadiene	87-68-3	ND	1.8
SV-1	11/4/2008	m,p-Xylene	136777-61-2	ND	2.3
SV-1	11/4/2008	Methane	74-82-8	ND	10
SV-1	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	2.7
SV-1	11/4/2008	Methylene chloride	75-09-2	ND	5.7
SV-1	11/4/2008	n-Heptane	142-82-5	ND	2.4
SV-1	11/4/2008	n-Hexane	110-54-3	5.1	2.8
SV-1	11/4/2008	o-Xylene	95-47-6	ND	2.3
SV-1	11/4/2008	Propene	115-07-1	240	11
SV-1	11/4/2008	Styrene	100-42-5	ND	2.3
SV-1	11/4/2008	Tetrachloroethene	127-18-4	1.8	1.5
SV-1	11/4/2008	Tetrahydrofuran	109-99-9	ND	3.3
SV-1	11/4/2008	Toluene	108-88-3	3.7	2.6
SV-1	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	2.5
SV-1	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	2.2
SV-1	11/4/2008	Trichloroethene	79-01-6	7.6	1.8
SV-1	11/4/2008	Trichlorofluoromethane	75-69-4	ND	1.8
SV-1	11/4/2008	Vinyl acetate	108-05-4	ND	5.6
SV-1	11/4/2008	Vinyl chloride	75-01-4	ND	3.9

Table 3
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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-2	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	0.72
SV-2	11/4/2008	1,1,1-Trichloroethane	71-55-6	ND	0.91
SV-2	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	0.72
SV-2	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	0.91
SV-2	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	1.3
SV-2	11/4/2008	1,1-Dichloroethane	75-34-3	ND	1.2
SV-2	11/4/2008	1,1-Dichloroethene	75-35-4	ND	1.2
SV-2	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	1.3
SV-2	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	1.8	1.0
SV-2	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	0.64
SV-2	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	1.6
SV-2	11/4/2008	1,2-Dichloroethane	107-06-2	ND	1.2
SV-2	11/4/2008	1,2-Dichloropropane	78-87-5	ND	1.1
SV-2	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	1.0
SV-2	11/4/2008	1,3-Butadiene	106-99-0	ND	2.2
SV-2	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	1.6
SV-2	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	1.6
SV-2	11/4/2008	1,4-Dioxane	123-91-1	ND	1.4
SV-2	11/4/2008	2-Butanone	78-93-3	2.0	1.7
SV-2	11/4/2008	2-Hexanone	591-78-6	ND	2.4
SV-2	11/4/2008	4-Ethyltoluene	622-96-8	ND	1.0
SV-2	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	1.2
SV-2	11/4/2008	Acetone	67-64-1	ND	8.3
SV-2	11/4/2008	Benzene	71-43-2	ND	1.5
SV-2	11/4/2008	Benzyl chloride	100-44-7	ND	0.96
SV-2	11/4/2008	Bromodichloromethane	75-27-4	ND	0.74
SV-2	11/4/2008	Bromoform	75-25-2	ND	1.9
SV-2	11/4/2008	Bromomethane	74-83-9	ND	1.3
SV-2	11/4/2008	Carbon disulfide	75-15-0	ND	1.6
SV-2	11/4/2008	Carbon tetrachloride	56-23-5	ND	0.78
SV-2	11/4/2008	Chlorobenzene	108-90-7	ND	1.1
SV-2	11/4/2008	Chloroethane	75-00-3	ND	1.9
SV-2	11/4/2008	Chloroform	67-66-3	16	1.0
SV-2	11/4/2008	Chloromethane	74-87-3	ND	2.4
SV-2	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	1.2
SV-2	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	1.1
SV-2	11/4/2008	Cyclohexane	110-82-7	4.1	2.9
SV-2	11/4/2008	Dibromochloromethane	124-48-1	ND	0.58
SV-2	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	2.0
SV-2	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	1.4
SV-2	11/4/2008	Ethyl acetate	141-78-6	ND	1.4
SV-2	11/4/2008	Ethylbenzene	100-41-4	1.5	1.1
SV-2	11/4/2008	Hexachlorobutadiene	87-68-3	ND	0.92
SV-2	11/4/2008	m,p-Xylene	136777-61-2	3.8	1.1
SV-2	11/4/2008	Methane	74-82-8	ND	10
SV-2	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	1.4
SV-2	11/4/2008	Methylene chloride	75-09-2	ND	2.8
SV-2	11/4/2008	n-Heptane	142-82-5	ND	1.2
SV-2	11/4/2008	n-Hexane	110-54-3	ND	1.4
SV-2	11/4/2008	o-Xylene	95-47-6	1.2	1.1
SV-2	11/4/2008	Propene	115-07-1	ND	5.7
SV-2	11/4/2008	Styrene	100-42-5	ND	1.2
SV-2	11/4/2008	Tetrachloroethene	127-18-4	37	0.73
SV-2	11/4/2008	Tetrahydrofuran	109-99-9	ND	1.7
SV-2	11/4/2008	Toluene	108-88-3	41	1.3
SV-2	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	1.2
SV-2	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	1.1
SV-2	11/4/2008	Trichloroethene	79-01-6	2.8	0.92
SV-2	11/4/2008	Trichlorofluoromethane	75-69-4	ND	0.88
SV-2	11/4/2008	Vinyl acetate	108-05-4	ND	2.8
SV-2	11/4/2008	Vinyl chloride	75-01-4	ND	1.9

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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-3	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	0.72
SV-3	11/4/2008	1,1,1-Trichloroethane	71-55-6	ND	0.91
SV-3	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	0.72
SV-3	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	0.91
SV-3	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	1.3
SV-3	11/4/2008	1,1-Dichloroethane	75-34-3	ND	1.2
SV-3	11/4/2008	1,1-Dichloroethene	75-35-4	ND	1.2
SV-3	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	1.3
SV-3	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	1.1	1.0
SV-3	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	0.64
SV-3	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	1.6
SV-3	11/4/2008	1,2-Dichloroethane	107-06-2	ND	1.2
SV-3	11/4/2008	1,2-Dichloropropane	78-87-5	ND	1.1
SV-3	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	1.0
SV-3	11/4/2008	1,3-Butadiene	106-99-0	ND	2.2
SV-3	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	1.6
SV-3	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	1.6
SV-3	11/4/2008	1,4-Dioxane	123-91-1	ND	1.4
SV-3	11/4/2008	2-Butanone	78-93-3	3.6	1.7
SV-3	11/4/2008	2-Hexanone	591-78-6	ND	2.4
SV-3	11/4/2008	4-Ethyltoluene	622-96-8	ND	1.0
SV-3	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	1.2
SV-3	11/4/2008	Acetone	67-64-1	30	8.3
SV-3	11/4/2008	Benzene	71-43-2	ND	1.5
SV-3	11/4/2008	Benzyl chloride	100-44-7	ND	0.96
SV-3	11/4/2008	Bromodichloromethane	75-27-4	ND	0.74
SV-3	11/4/2008	Bromoform	75-25-2	ND	1.9
SV-3	11/4/2008	Bromomethane	74-83-9	ND	1.3
SV-3	11/4/2008	Carbon disulfide	75-15-0	3.2	1.6
SV-3	11/4/2008	Carbon tetrachloride	56-23-5	ND	0.78
SV-3	11/4/2008	Chlorobenzene	108-90-7	ND	1.1
SV-3	11/4/2008	Chloroethane	75-00-3	ND	1.9
SV-3	11/4/2008	Chloroform	67-66-3	42	1.0
SV-3	11/4/2008	Chloromethane	74-87-3	ND	2.4
SV-3	11/4/2008	cis-1,2-Dichloroethene	156-59-2	1.5	1.2
SV-3	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	1.1
SV-3	11/4/2008	Cyclohexane	110-82-7	ND	2.9
SV-3	11/4/2008	Dibromochloromethane	124-48-1	ND	0.58
SV-3	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	2.0
SV-3	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	1.4
SV-3	11/4/2008	Ethyl acetate	141-78-6	ND	1.4
SV-3	11/4/2008	Ethylbenzene	100-41-4	ND	1.1
SV-3	11/4/2008	Hexachlorobutadiene	87-68-3	ND	0.92
SV-3	11/4/2008	m,p-Xylene	136777-61-2	2.0	1.1
SV-3	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	1.4
SV-3	11/4/2008	Methylene chloride	75-09-2	ND	2.8
SV-3	11/4/2008	n-Heptane	142-82-5	ND	1.2
SV-3	11/4/2008	n-Hexane	110-54-3	ND	1.4
SV-3	11/4/2008	o-Xylene	95-47-6	ND	1.1
SV-3	11/4/2008	Propene	115-07-1	27	5.7
SV-3	11/4/2008	Styrene	100-42-5	ND	1.2
SV-3	11/4/2008	Tetrachloroethene	127-18-4	34	0.73
SV-3	11/4/2008	Tetrahydrofuran	109-99-9	ND	1.7
SV-3	11/4/2008	Toluene	108-88-3	3.2	1.3
SV-3	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	1.2
SV-3	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	1.1
SV-3	11/4/2008	Trichloroethene	79-01-6	4.4	0.92
SV-3	11/4/2008	Trichlorofluoromethane	75-69-4	ND	0.88
SV-3	11/4/2008	Vinyl acetate	108-05-4	ND	2.8
SV-3	11/4/2008	Vinyl chloride	75-01-4	6.2	1.9

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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-4	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	72
SV-4	11/4/2008	1,1,1-Trichloroethane	71-55-6	ND	91
SV-4	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	72
SV-4	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	91
SV-4	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	130
SV-4	11/4/2008	1,1-Dichloroethane	75-34-3	ND	120
SV-4	11/4/2008	1,1-Dichloroethene	75-35-4	ND	120
SV-4	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	130
SV-4	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	ND	100
SV-4	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	64
SV-4	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	160
SV-4	11/4/2008	1,2-Dichloroethane	107-06-2	ND	120
SV-4	11/4/2008	1,2-Dichloropropane	78-87-5	ND	110
SV-4	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	100
SV-4	11/4/2008	1,3-Butadiene	106-99-0	ND	220
SV-4	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	160
SV-4	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	160
SV-4	11/4/2008	1,4-Dioxane	123-91-1	ND	140
SV-4	11/4/2008	2-Butanone	78-93-3	ND	170
SV-4	11/4/2008	2-Hexanone	591-78-6	ND	240
SV-4	11/4/2008	4-Ethyltoluene	622-96-8	ND	100
SV-4	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	120
SV-4	11/4/2008	Acetone	67-64-1	ND	830
SV-4	11/4/2008	Benzene	71-43-2	ND	150
SV-4	11/4/2008	Benzyl chloride	100-44-7	ND	96
SV-4	11/4/2008	Bromodichloromethane	75-27-4	ND	74
SV-4	11/4/2008	Bromoform	75-25-2	ND	190
SV-4	11/4/2008	Bromomethane	74-83-9	ND	130
SV-4	11/4/2008	Carbon disulfide	75-15-0	ND	160
SV-4	11/4/2008	Carbon tetrachloride	56-23-5	ND	78
SV-4	11/4/2008	Chlorobenzene	108-90-7	ND	110
SV-4	11/4/2008	Chloroethane	75-00-3	ND	190
SV-4	11/4/2008	Chloroform	67-66-3	ND	100
SV-4	11/4/2008	Chloromethane	74-87-3	ND	240
SV-4	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	120
SV-4	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	110
SV-4	11/4/2008	Cyclohexane	110-82-7	ND	290
SV-4	11/4/2008	Dibromochloromethane	124-48-1	ND	58
SV-4	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	200
SV-4	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	140
SV-4	11/4/2008	Ethyl acetate	141-78-6	ND	140
SV-4	11/4/2008	Ethylbenzene	100-41-4	ND	110
SV-4	11/4/2008	Hexachlorobutadiene	87-68-3	ND	92
SV-4	11/4/2008	m,p-Xylene	136777-61-2	ND	110
SV-4	11/4/2008	Methane	74-82-8	ND	10
SV-4	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	140
SV-4	11/4/2008	Methylene chloride	75-09-2	ND	280
SV-4	11/4/2008	n-Heptane	142-82-5	ND	120
SV-4	11/4/2008	n-Hexane	110-54-3	ND	140
SV-4	11/4/2008	o-Xylene	95-47-6	ND	110
SV-4	11/4/2008	Propene	115-07-1	ND	570
SV-4	11/4/2008	Styrene	100-42-5	ND	120
SV-4	11/4/2008	Tetrachloroethene	127-18-4	77	73
SV-4	11/4/2008	Tetrahydrofuran	109-99-9	ND	170
SV-4	11/4/2008	Toluene	108-88-3	ND	130
SV-4	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	120
SV-4	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	110
SV-4	11/4/2008	Trichloroethene	79-01-6	6200	92
SV-4	11/4/2008	Trichlorofluoromethane	75-69-4	ND	88
SV-4	11/4/2008	Vinyl acetate	108-05-4	ND	280
SV-4	11/4/2008	Vinyl chloride	75-01-4	ND	190

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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-5	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	3.6
SV-5	11/4/2008	1,1,1-Trichloroethane	71-55-6	ND	4.5
SV-5	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	3.6
SV-5	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	4.5
SV-5	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	6.5
SV-5	11/4/2008	1,1-Dichloroethane	75-34-3	ND	6.1
SV-5	11/4/2008	1,1-Dichloroethene	75-35-4	ND	6.2
SV-5	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	6.6
SV-5	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	24	5.0
SV-5	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	3.2
SV-5	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	8.2
SV-5	11/4/2008	1,2-Dichloroethane	107-06-2	ND	6.1
SV-5	11/4/2008	1,2-Dichloropropane	78-87-5	ND	5.3
SV-5	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	7.3	5.0
SV-5	11/4/2008	1,3-Butadiene	106-99-0	ND	11
SV-5	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	8.2
SV-5	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	8.2
SV-5	11/4/2008	1,4-Dioxane	123-91-1	ND	6.8
SV-5	11/4/2008	2-Butanone	78-93-3	ND	8.4
SV-5	11/4/2008	2-Hexanone	591-78-6	ND	12
SV-5	11/4/2008	4-Ethyltoluene	622-96-8	ND	5.0
SV-5	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	6.0
SV-5	11/4/2008	Acetone	67-64-1	ND	42
SV-5	11/4/2008	Benzene	71-43-2	ND	7.7
SV-5	11/4/2008	Benzyl chloride	100-44-7	ND	4.8
SV-5	11/4/2008	Bromodichloromethane	75-27-4	ND	3.7
SV-5	11/4/2008	Bromoform	75-25-2	ND	9.5
SV-5	11/4/2008	Bromomethane	74-83-9	ND	6.4
SV-5	11/4/2008	Carbon disulfide	75-15-0	ND	7.9
SV-5	11/4/2008	Carbon tetrachloride	56-23-5	ND	3.9
SV-5	11/4/2008	Chlorobenzene	108-90-7	ND	5.4
SV-5	11/4/2008	Chloroethane	75-00-3	ND	9.3
SV-5	11/4/2008	Chloroform	67-66-3	ND	5.0
SV-5	11/4/2008	Chloromethane	74-87-3	ND	12
SV-5	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	6.2
SV-5	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	5.4
SV-5	11/4/2008	Cyclohexane	110-82-7	ND	14
SV-5	11/4/2008	Dibromochloromethane	124-48-1	ND	2.9
SV-5	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	10
SV-5	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	7.1
SV-5	11/4/2008	Ethyl acetate	141-78-6	ND	6.8
SV-5	11/4/2008	Ethylbenzene	100-41-4	60	5.7
SV-5	11/4/2008	Hexachlorobutadiene	87-68-3	ND	4.6
SV-5	11/4/2008	m,p-Xylene	136777-61-2	210	5.7
SV-5	11/4/2008	Methane	74-82-8	ND	10
SV-5	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	6.8
SV-5	11/4/2008	Methylene chloride	75-09-2	ND	14
SV-5	11/4/2008	n-Heptane	142-82-5	7.1	6.0
SV-5	11/4/2008	n-Hexane	110-54-3	ND	7.0
SV-5	11/4/2008	o-Xylene	95-47-6	52	5.7
SV-5	11/4/2008	Propene	115-07-1	56	29
SV-5	11/4/2008	Styrene	100-42-5	ND	5.8
SV-5	11/4/2008	Tetrachloroethene	127-18-4	6.5	3.6
SV-5	11/4/2008	Tetrahydrofuran	109-99-9	ND	8.4
SV-5	11/4/2008	Toluene	108-88-3	760	6.5
SV-5	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	6.2
SV-5	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	5.4
SV-5	11/4/2008	Trichloroethene	79-01-6	25	4.6
SV-5	11/4/2008	Trichlorofluoromethane	75-69-4	ND	4.4
SV-5	11/4/2008	Vinyl acetate	108-05-4	ND	14
SV-5	11/4/2008	Vinyl chloride	75-01-4	ND	9.7

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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-6	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	3.6
SV-6	11/4/2008	1,1,1-Trichloroethane	71-55-6	ND	4.5
SV-6	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	3.6
SV-6	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	4.5
SV-6	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	6.5
SV-6	11/4/2008	1,1-Dichloroethane	75-34-3	ND	6.1
SV-6	11/4/2008	1,1-Dichloroethene	75-35-4	ND	6.2
SV-6	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	6.6
SV-6	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	8.7	5.0
SV-6	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	3.2
SV-6	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	8.2
SV-6	11/4/2008	1,2-Dichloroethane	107-06-2	ND	6.1
SV-6	11/4/2008	1,2-Dichloropropane	78-87-5	ND	5.3
SV-6	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	5.0
SV-6	11/4/2008	1,3-Butadiene	106-99-0	ND	11
SV-6	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	8.2
SV-6	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	8.2
SV-6	11/4/2008	1,4-Dioxane	123-91-1	ND	6.8
SV-6	11/4/2008	2-Butanone	78-93-3	ND	8.4
SV-6	11/4/2008	2-Hexanone	591-78-6	ND	12
SV-6	11/4/2008	4-Ethyltoluene	622-96-8	ND	5.0
SV-6	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	6.0
SV-6	11/4/2008	Acetone	67-64-1	ND	42
SV-6	11/4/2008	Benzene	71-43-2	ND	7.7
SV-6	11/4/2008	Benzyl chloride	100-44-7	ND	4.8
SV-6	11/4/2008	Bromodichloromethane	75-27-4	ND	3.7
SV-6	11/4/2008	Bromoform	75-25-2	ND	9.5
SV-6	11/4/2008	Bromomethane	74-83-9	ND	6.4
SV-6	11/4/2008	Carbon disulfide	75-15-0	ND	7.9
SV-6	11/4/2008	Carbon tetrachloride	56-23-5	ND	3.9
SV-6	11/4/2008	Chlorobenzene	108-90-7	ND	5.4
SV-6	11/4/2008	Chloroethane	75-00-3	ND	9.3
SV-6	11/4/2008	Chloroform	67-66-3	200	5.0
SV-6	11/4/2008	Chloromethane	74-87-3	ND	12
SV-6	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	6.2
SV-6	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	5.4
SV-6	11/4/2008	Cyclohexane	110-82-7	ND	14
SV-6	11/4/2008	Dibromochloromethane	124-48-1	ND	2.9
SV-6	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	10
SV-6	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	7.1
SV-6	11/4/2008	Ethyl acetate	141-78-6	ND	6.8
SV-6	11/4/2008	Ethylbenzene	100-41-4	19	5.7
SV-6	11/4/2008	Hexachlorobutadiene	87-68-3	ND	4.6
SV-6	11/4/2008	m,p-Xylene	136777-61-2	29	5.7
SV-6	11/4/2008	Methane	74-82-8	ND	10
SV-6	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	6.8
SV-6	11/4/2008	Methylene chloride	75-09-2	ND	14
SV-6	11/4/2008	n-Heptane	142-82-5	ND	6.0
SV-6	11/4/2008	n-Hexane	110-54-3	ND	7.0
SV-6	11/4/2008	o-Xylene	95-47-6	9.7	5.7
SV-6	11/4/2008	Propene	115-07-1	ND	29
SV-6	11/4/2008	Styrene	100-42-5	ND	5.8
SV-6	11/4/2008	Tetrachloroethene	127-18-4	ND	3.6
SV-6	11/4/2008	Tetrahydrofuran	109-99-9	ND	8.4
SV-6	11/4/2008	Toluene	108-88-3	17	6.5
SV-6	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	6.2
SV-6	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	5.4
SV-6	11/4/2008	Trichloroethene	79-01-6	ND	4.6
SV-6	11/4/2008	Trichlorofluoromethane	75-69-4	ND	4.4
SV-6	11/4/2008	Vinyl acetate	108-05-4	ND	14
SV-6	11/4/2008	Vinyl chloride	75-01-4	ND	9.7

Table 3
Complete Soil Vapor Sampling Results
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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-8	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	0.72
SV-8	11/4/2008	1,1,1-Trichloroethane	71-55-6	ND	0.91
SV-8	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	0.72
SV-8	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	0.91
SV-8	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	1.3
SV-8	11/4/2008	1,1-Dichloroethane	75-34-3	ND	1.2
SV-8	11/4/2008	1,1-Dichloroethene	75-35-4	ND	1.2
SV-8	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	1.3
SV-8	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	1.0	1.0
SV-8	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	0.64
SV-8	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	1.6
SV-8	11/4/2008	1,2-Dichloroethane	107-06-2	ND	1.2
SV-8	11/4/2008	1,2-Dichloropropane	78-87-5	ND	1.1
SV-8	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	1.0
SV-8	11/4/2008	1,3-Butadiene	106-99-0	ND	2.2
SV-8	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	1.6
SV-8	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	1.6
SV-8	11/4/2008	1,4-Dioxane	123-91-1	ND	1.4
SV-8	11/4/2008	2-Butanone	78-93-3	ND	1.7
SV-8	11/4/2008	2-Hexanone	591-78-6	ND	2.4
SV-8	11/4/2008	4-Ethyltoluene	622-96-8	ND	1.0
SV-8	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	1.2
SV-8	11/4/2008	Acetone	67-64-1	ND	8.3
SV-8	11/4/2008	Benzene	71-43-2	ND	1.5
SV-8	11/4/2008	Benzyl chloride	100-44-7	ND	0.96
SV-8	11/4/2008	Bromodichloromethane	75-27-4	ND	0.74
SV-8	11/4/2008	Bromoform	75-25-2	ND	1.9
SV-8	11/4/2008	Bromomethane	74-83-9	ND	1.3
SV-8	11/4/2008	Carbon disulfide	75-15-0	ND	1.6
SV-8	11/4/2008	Carbon tetrachloride	56-23-5	ND	0.78
SV-8	11/4/2008	Chlorobenzene	108-90-7	ND	1.1
SV-8	11/4/2008	Chloroethane	75-00-3	ND	1.9
SV-8	11/4/2008	Chloroform	67-66-3	ND	1.0
SV-8	11/4/2008	Chloromethane	74-87-3	ND	2.4
SV-8	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	1.2
SV-8	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	1.1
SV-8	11/4/2008	Cyclohexane	110-82-7	ND	2.9
SV-8	11/4/2008	Dibromochloromethane	124-48-1	ND	0.58
SV-8	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	2.0
SV-8	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	1.4
SV-8	11/4/2008	Ethyl acetate	141-78-6	ND	1.4
SV-8	11/4/2008	Ethylbenzene	100-41-4	ND	1.1
SV-8	11/4/2008	Hexachlorobutadiene	87-68-3	ND	0.92
SV-8	11/4/2008	m,p-Xylene	136777-61-2	3.0	1.1
SV-8	11/4/2008	Methane	74-82-8	ND	10
SV-8	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	1.4
SV-8	11/4/2008	Methylene chloride	75-09-2	ND	2.8
SV-8	11/4/2008	n-Heptane	142-82-5	ND	1.2
SV-8	11/4/2008	n-Hexane	110-54-3	ND	1.4
SV-8	11/4/2008	o-Xylene	95-47-6	1.2	1.1
SV-8	11/4/2008	Propene	115-07-1	ND	5.7
SV-8	11/4/2008	Styrene	100-42-5	ND	1.2
SV-8	11/4/2008	Tetrachloroethene	127-18-4	2.4	0.73
SV-8	11/4/2008	Tetrahydrofuran	109-99-9	ND	1.7
SV-8	11/4/2008	Toluene	108-88-3	4.2	1.3
SV-8	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	1.2
SV-8	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	1.1
SV-8	11/4/2008	Trichloroethene	79-01-6	ND	0.92
SV-8	11/4/2008	Trichlorofluoromethane	75-69-4	7.9	0.88
SV-8	11/4/2008	Vinyl acetate	108-05-4	ND	2.8
SV-8	11/4/2008	Vinyl chloride	75-01-4	ND	1.9

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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-9	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	0.72
SV-9	11/4/2008	1,1,1-Trichloroethane	71-55-6	ND	0.91
SV-9	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	0.72
SV-9	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	0.91
SV-9	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	1.3
SV-9	11/4/2008	1,1-Dichloroethane	75-34-3	ND	1.2
SV-9	11/4/2008	1,1-Dichloroethene	75-35-4	ND	1.2
SV-9	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	1.3
SV-9	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	2.8	1.0
SV-9	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	0.64
SV-9	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	1.6
SV-9	11/4/2008	1,2-Dichloroethane	107-06-2	ND	1.2
SV-9	11/4/2008	1,2-Dichloropropane	78-87-5	ND	1.1
SV-9	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	1.0
SV-9	11/4/2008	1,3-Butadiene	106-99-0	ND	2.2
SV-9	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	1.6
SV-9	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	1.6
SV-9	11/4/2008	1,4-Dioxane	123-91-1	ND	1.4
SV-9	11/4/2008	2-Butanone	78-93-3	4.5	1.7
SV-9	11/4/2008	2-Hexanone	591-78-6	ND	2.4
SV-9	11/4/2008	4-Ethyltoluene	622-96-8	ND	1.0
SV-9	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	1.2
SV-9	11/4/2008	Acetone	67-64-1	ND	8.3
SV-9	11/4/2008	Benzene	71-43-2	ND	1.5
SV-9	11/4/2008	Benzyl chloride	100-44-7	ND	0.96
SV-9	11/4/2008	Bromodichloromethane	75-27-4	ND	0.74
SV-9	11/4/2008	Bromoform	75-25-2	ND	1.9
SV-9	11/4/2008	Bromomethane	74-83-9	ND	1.3
SV-9	11/4/2008	Carbon disulfide	75-15-0	ND	1.6
SV-9	11/4/2008	Carbon tetrachloride	56-23-5	ND	0.78
SV-9	11/4/2008	Chlorobenzene	108-90-7	ND	1.1
SV-9	11/4/2008	Chloroethane	75-00-3	ND	1.9
SV-9	11/4/2008	Chloroform	67-66-3	5.4	1.0
SV-9	11/4/2008	Chloromethane	74-87-3	ND	2.4
SV-9	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	1.2
SV-9	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	1.1
SV-9	11/4/2008	Cyclohexane	110-82-7	5.9	2.9
SV-9	11/4/2008	Dibromochloromethane	124-48-1	ND	0.58
SV-9	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	2.0
SV-9	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	1.4
SV-9	11/4/2008	Ethyl acetate	141-78-6	ND	1.4
SV-9	11/4/2008	Ethylbenzene	100-41-4	2.3	1.1
SV-9	11/4/2008	Hexachlorobutadiene	87-68-3	ND	0.92
SV-9	11/4/2008	m,p-Xylene	136777-61-2	11	1.1
SV-9	11/4/2008	Methane	74-82-8	ND	10
SV-9	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	1.4
SV-9	11/4/2008	Methylene chloride	75-09-2	ND	2.8
SV-9	11/4/2008	n-Heptane	142-82-5	ND	1.2
SV-9	11/4/2008	n-Hexane	110-54-3	ND	1.4
SV-9	11/4/2008	o-Xylene	95-47-6	2.7	1.1
SV-9	11/4/2008	Propene	115-07-1	ND	5.7
SV-9	11/4/2008	Styrene	100-42-5	ND	1.2
SV-9	11/4/2008	Tetrachloroethene	127-18-4	21	0.73
SV-9	11/4/2008	Tetrahydrofuran	109-99-9	ND	1.7
SV-9	11/4/2008	Toluene	108-88-3	36	1.3
SV-9	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	1.2
SV-9	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	1.1
SV-9	11/4/2008	Trichloroethene	79-01-6	23	0.92
SV-9	11/4/2008	Trichlorofluoromethane	75-69-4	ND	0.88
SV-9	11/4/2008	Vinyl acetate	108-05-4	ND	2.8
SV-9	11/4/2008	Vinyl chloride	75-01-4	ND	1.9

Table 3
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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-10	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	1.4
SV-10	11/4/2008	1,1,1-Trichloroethane	71-55-6	ND	1.8
SV-10	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	1.4
SV-10	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	1.8
SV-10	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	2.6
SV-10	11/4/2008	1,1-Dichloroethane	75-34-3	ND	2.4
SV-10	11/4/2008	1,1-Dichloroethene	75-35-4	ND	2.5
SV-10	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	2.7
SV-10	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	2.9	2.0
SV-10	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	1.3
SV-10	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	3.3
SV-10	11/4/2008	1,2-Dichloroethane	107-06-2	ND	2.4
SV-10	11/4/2008	1,2-Dichloropropane	78-87-5	ND	2.1
SV-10	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	2.0
SV-10	11/4/2008	1,3-Butadiene	106-99-0	ND	4.5
SV-10	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	3.3
SV-10	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	3.3
SV-10	11/4/2008	1,4-Dioxane	123-91-1	ND	2.7
SV-10	11/4/2008	2-Butanone	78-93-3	8.7	3.3
SV-10	11/4/2008	2-Hexanone	591-78-6	ND	4.8
SV-10	11/4/2008	4-Ethyltoluene	622-96-8	ND	2.0
SV-10	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	2.4
SV-10	11/4/2008	Acetone	67-64-1	26	17
SV-10	11/4/2008	Benzene	71-43-2	ND	3.1
SV-10	11/4/2008	Benzyl chloride	100-44-7	ND	1.9
SV-10	11/4/2008	Bromodichloromethane	75-27-4	ND	1.5
SV-10	11/4/2008	Bromoform	75-25-2	ND	3.8
SV-10	11/4/2008	Bromomethane	74-83-9	ND	2.5
SV-10	11/4/2008	Carbon disulfide	75-15-0	ND	3.2
SV-10	11/4/2008	Carbon tetrachloride	56-23-5	ND	1.6
SV-10	11/4/2008	Chlorobenzene	108-90-7	ND	2.1
SV-10	11/4/2008	Chloroethane	75-00-3	ND	3.7
SV-10	11/4/2008	Chloroform	67-66-3	3.2	2.0
SV-10	11/4/2008	Chloromethane	74-87-3	ND	4.8
SV-10	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	2.5
SV-10	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	2.2
SV-10	11/4/2008	Cyclohexane	110-82-7	9.9	5.7
SV-10	11/4/2008	Dibromochloromethane	124-48-1	ND	1.2
SV-10	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	4.0
SV-10	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	2.8
SV-10	11/4/2008	Ethyl acetate	141-78-6	ND	2.7
SV-10	11/4/2008	Ethylbenzene	100-41-4	4.0	2.3
SV-10	11/4/2008	Hexachlorobutadiene	87-68-3	ND	1.8
SV-10	11/4/2008	m,p-Xylene	136777-61-2	19	2.3
SV-10	11/4/2008	Methane	74-82-8	ND	10
SV-10	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	2.7
SV-10	11/4/2008	Methylene chloride	75-09-2	ND	5.7
SV-10	11/4/2008	n-Heptane	142-82-5	ND	2.4
SV-10	11/4/2008	n-Hexane	110-54-3	ND	2.8
SV-10	11/4/2008	o-Xylene	95-47-6	3.7	2.3
SV-10	11/4/2008	Propene	115-07-1	ND	11
SV-10	11/4/2008	Styrene	100-42-5	ND	2.3
SV-10	11/4/2008	Tetrachloroethene	127-18-4	120	1.5
SV-10	11/4/2008	Tetrahydrofuran	109-99-9	ND	3.3
SV-10	11/4/2008	Toluene	108-88-3	53	2.6
SV-10	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	2.5
SV-10	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	2.2
SV-10	11/4/2008	Trichloroethene	79-01-6	120	1.8
SV-10	11/4/2008	Trichlorofluoromethane	75-69-4	ND	1.8
SV-10	11/4/2008	Vinyl acetate	108-05-4	ND	5.6
SV-10	11/4/2008	Vinyl chloride	75-01-4	ND	3.9

Table 3
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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-11	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	0.72
SV-11	11/4/2008	1,1,1-Trichloroethane	71-55-6	110	0.91
SV-11	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	0.72
SV-11	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	0.91
SV-11	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	1.3
SV-11	11/4/2008	1,1-Dichloroethane	75-34-3	3.7	1.2
SV-11	11/4/2008	1,1-Dichloroethene	75-35-4	ND	1.2
SV-11	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	1.3
SV-11	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	ND	1.0
SV-11	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	0.64
SV-11	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	1.6
SV-11	11/4/2008	1,2-Dichloroethane	107-06-2	ND	1.2
SV-11	11/4/2008	1,2-Dichloropropane	78-87-5	ND	1.1
SV-11	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	1.0
SV-11	11/4/2008	1,3-Butadiene	106-99-0	ND	2.2
SV-11	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	1.6
SV-11	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	1.6
SV-11	11/4/2008	1,4-Dioxane	123-91-1	ND	1.4
SV-11	11/4/2008	2-Butanone	78-93-3	ND	1.7
SV-11	11/4/2008	2-Hexanone	591-78-6	ND	2.4
SV-11	11/4/2008	4-Ethyltoluene	622-96-8	ND	1.0
SV-11	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	1.2
SV-11	11/4/2008	Acetone	67-64-1	ND	8.3
SV-11	11/4/2008	Benzene	71-43-2	ND	1.5
SV-11	11/4/2008	Benzyl chloride	100-44-7	ND	0.96
SV-11	11/4/2008	Bromodichloromethane	75-27-4	ND	0.74
SV-11	11/4/2008	Bromoform	75-25-2	ND	1.9
SV-11	11/4/2008	Bromomethane	74-83-9	ND	1.3
SV-11	11/4/2008	Carbon disulfide	75-15-0	ND	1.6
SV-11	11/4/2008	Carbon tetrachloride	56-23-5	ND	0.78
SV-11	11/4/2008	Chlorobenzene	108-90-7	ND	1.1
SV-11	11/4/2008	Chloroethane	75-00-3	ND	1.9
SV-11	11/4/2008	Chloroform	67-66-3	1.1	1.0
SV-11	11/4/2008	Chloromethane	74-87-3	ND	2.4
SV-11	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	1.2
SV-11	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	1.1
SV-11	11/4/2008	Cyclohexane	110-82-7	4.9	2.9
SV-11	11/4/2008	Dibromochloromethane	124-48-1	ND	0.58
SV-11	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	2.0
SV-11	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	1.4
SV-11	11/4/2008	Ethyl acetate	141-78-6	ND	1.4
SV-11	11/4/2008	Ethylbenzene	100-41-4	ND	1.1
SV-11	11/4/2008	Hexachlorobutadiene	87-68-3	ND	0.92
SV-11	11/4/2008	m,p-Xylene	136777-61-2	ND	1.1
SV-11	11/4/2008	Methane	74-82-8	ND	10
SV-11	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	1.4
SV-11	11/4/2008	Methylene chloride	75-09-2	ND	2.8
SV-11	11/4/2008	n-Heptane	142-82-5	ND	1.2
SV-11	11/4/2008	n-Hexane	110-54-3	ND	1.4
SV-11	11/4/2008	o-Xylene	95-47-6	ND	1.1
SV-11	11/4/2008	Propene	115-07-1	ND	5.7
SV-11	11/4/2008	Styrene	100-42-5	ND	1.2
SV-11	11/4/2008	Tetrachloroethene	127-18-4	2.1	0.73
SV-11	11/4/2008	Tetrahydrofuran	109-99-9	ND	1.7
SV-11	11/4/2008	Toluene	108-88-3	1.8	1.3
SV-11	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	1.2
SV-11	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	1.1
SV-11	11/4/2008	Trichloroethene	79-01-6	90	0.92
SV-11	11/4/2008	Trichlorofluoromethane	75-69-4	ND	0.88
SV-11	11/4/2008	Vinyl acetate	108-05-4	ND	2.8
SV-11	11/4/2008	Vinyl chloride	75-01-4	ND	1.9

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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-12	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	3.6
SV-12	11/4/2008	1,1,1-Trichloroethane	71-55-6	88	4.5
SV-12	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	3.6
SV-12	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	4.5
SV-12	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	6.5
SV-12	11/4/2008	1,1-Dichloroethane	75-34-3	ND	6.1
SV-12	11/4/2008	1,1-Dichloroethene	75-35-4	ND	6.2
SV-12	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	6.6
SV-12	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	19	5.0
SV-12	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	3.2
SV-12	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	8.2
SV-12	11/4/2008	1,2-Dichloroethane	107-06-2	ND	6.1
SV-12	11/4/2008	1,2-Dichloropropane	78-87-5	ND	5.3
SV-12	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	5.0
SV-12	11/4/2008	1,3-Butadiene	106-99-0	ND	11
SV-12	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	8.2
SV-12	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	8.2
SV-12	11/4/2008	1,4-Dioxane	123-91-1	ND	6.8
SV-12	11/4/2008	2-Butanone	78-93-3	ND	8.4
SV-12	11/4/2008	2-Hexanone	591-78-6	ND	12
SV-12	11/4/2008	4-Ethyltoluene	622-96-8	ND	5.0
SV-12	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	6.0
SV-12	11/4/2008	Acetone	67-64-1	ND	42
SV-12	11/4/2008	Benzene	71-43-2	ND	7.7
SV-12	11/4/2008	Benzyl chloride	100-44-7	ND	4.8
SV-12	11/4/2008	Bromodichloromethane	75-27-4	ND	3.7
SV-12	11/4/2008	Bromoform	75-25-2	ND	9.5
SV-12	11/4/2008	Bromomethane	74-83-9	ND	6.4
SV-12	11/4/2008	Carbon disulfide	75-15-0	ND	7.9
SV-12	11/4/2008	Carbon tetrachloride	56-23-5	ND	3.9
SV-12	11/4/2008	Chlorobenzene	108-90-7	ND	5.4
SV-12	11/4/2008	Chloroethane	75-00-3	ND	9.3
SV-12	11/4/2008	Chloroform	67-66-3	7.1	5.0
SV-12	11/4/2008	Chloromethane	74-87-3	ND	12
SV-12	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	6.2
SV-12	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	5.4
SV-12	11/4/2008	Cyclohexane	110-82-7	ND	14
SV-12	11/4/2008	Dibromochloromethane	124-48-1	ND	2.9
SV-12	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	10
SV-12	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	7.1
SV-12	11/4/2008	Ethyl acetate	141-78-6	ND	6.8
SV-12	11/4/2008	Ethylbenzene	100-41-4	13	5.7
SV-12	11/4/2008	Hexachlorobutadiene	87-68-3	ND	4.6
SV-12	11/4/2008	m,p-Xylene	136777-61-2	70	5.7
SV-12	11/4/2008	Methane	74-82-8	ND	10
SV-12	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	6.8
SV-12	11/4/2008	Methylene chloride	75-09-2	ND	14
SV-12	11/4/2008	n-Heptane	142-82-5	ND	6.0
SV-12	11/4/2008	n-Hexane	110-54-3	ND	7.0
SV-12	11/4/2008	o-Xylene	95-47-6	21	5.7
SV-12	11/4/2008	Propene	115-07-1	ND	29
SV-12	11/4/2008	Styrene	100-42-5	ND	5.8
SV-12	11/4/2008	Tetrachloroethene	127-18-4	760	3.6
SV-12	11/4/2008	Tetrahydrofuran	109-99-9	ND	8.4
SV-12	11/4/2008	Toluene	108-88-3	61	6.5
SV-12	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	6.2
SV-12	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	5.4
SV-12	11/4/2008	Trichloroethene	79-01-6	880	4.6
SV-12	11/4/2008	Trichlorofluoromethane	75-69-4	ND	4.4
SV-12	11/4/2008	Vinyl acetate	108-05-4	ND	14
SV-12	11/4/2008	Vinyl chloride	75-01-4	ND	9.7

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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-13	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	72
SV-13	11/4/2008	1,1,1-Trichloroethane	71-55-6	ND	91
SV-13	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	72
SV-13	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	91
SV-13	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	130
SV-13	11/4/2008	1,1-Dichloroethane	75-34-3	ND	120
SV-13	11/4/2008	1,1-Dichloroethene	75-35-4	ND	120
SV-13	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	130
SV-13	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	ND	100
SV-13	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	64
SV-13	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	160
SV-13	11/4/2008	1,2-Dichloroethane	107-06-2	ND	120
SV-13	11/4/2008	1,2-Dichloropropane	78-87-5	ND	110
SV-13	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	100
SV-13	11/4/2008	1,3-Butadiene	106-99-0	ND	220
SV-13	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	160
SV-13	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	160
SV-13	11/4/2008	1,4-Dioxane	123-91-1	ND	140
SV-13	11/4/2008	2-Butanone	78-93-3	ND	170
SV-13	11/4/2008	2-Hexanone	591-78-6	ND	240
SV-13	11/4/2008	4-Ethyltoluene	622-96-8	ND	100
SV-13	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	120
SV-13	11/4/2008	Acetone	67-64-1	ND	830
SV-13	11/4/2008	Benzene	71-43-2	ND	150
SV-13	11/4/2008	Benzyl chloride	100-44-7	ND	96
SV-13	11/4/2008	Bromodichloromethane	75-27-4	ND	74
SV-13	11/4/2008	Bromoform	75-25-2	ND	190
SV-13	11/4/2008	Bromomethane	74-83-9	ND	130
SV-13	11/4/2008	Carbon disulfide	75-15-0	ND	160
SV-13	11/4/2008	Carbon tetrachloride	56-23-5	ND	78
SV-13	11/4/2008	Chlorobenzene	108-90-7	ND	110
SV-13	11/4/2008	Chloroethane	75-00-3	ND	190
SV-13	11/4/2008	Chloroform	67-66-3	ND	100
SV-13	11/4/2008	Chloromethane	74-87-3	ND	240
SV-13	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	120
SV-13	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	110
SV-13	11/4/2008	Cyclohexane	110-82-7	ND	290
SV-13	11/4/2008	Dibromochloromethane	124-48-1	ND	58
SV-13	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	200
SV-13	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	140
SV-13	11/4/2008	Ethyl acetate	141-78-6	ND	140
SV-13	11/4/2008	Ethylbenzene	100-41-4	ND	110
SV-13	11/4/2008	Hexachlorobutadiene	87-68-3	ND	92
SV-13	11/4/2008	m,p-Xylene	136777-61-2	ND	110
SV-13	11/4/2008	Methane	74-82-8	ND	10
SV-13	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	140
SV-13	11/4/2008	Methylene chloride	75-09-2	ND	280
SV-13	11/4/2008	n-Heptane	142-82-5	ND	120
SV-13	11/4/2008	n-Hexane	110-54-3	ND	140
SV-13	11/4/2008	o-Xylene	95-47-6	ND	110
SV-13	11/4/2008	Propene	115-07-1	ND	570
SV-13	11/4/2008	Styrene	100-42-5	ND	120
SV-13	11/4/2008	Tetrachloroethene	127-18-4	ND	73
SV-13	11/4/2008	Tetrahydrofuran	109-99-9	ND	170
SV-13	11/4/2008	Toluene	108-88-3	ND	130
SV-13	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	120
SV-13	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	110
SV-13	11/4/2008	Trichloroethene	79-01-6	4900	92
SV-13	11/4/2008	Trichlorofluoromethane	75-69-4	ND	88
SV-13	11/4/2008	Vinyl acetate	108-05-4	ND	280
SV-13	11/4/2008	Vinyl chloride	75-01-4	ND	190

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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-13 DUP	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	72
SV-13 DUP	11/4/2008	1,1,1-Trichloroethane	71-55-6	ND	91
SV-13 DUP	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	72
SV-13 DUP	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	91
SV-13 DUP	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	130
SV-13 DUP	11/4/2008	1,1-Dichloroethane	75-34-3	ND	120
SV-13 DUP	11/4/2008	1,1-Dichloroethene	75-35-4	ND	120
SV-13 DUP	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	130
SV-13 DUP	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	ND	100
SV-13 DUP	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	64
SV-13 DUP	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	160
SV-13 DUP	11/4/2008	1,2-Dichloroethane	107-06-2	ND	120
SV-13 DUP	11/4/2008	1,2-Dichloropropane	78-87-5	ND	110
SV-13 DUP	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	100
SV-13 DUP	11/4/2008	1,3-Butadiene	106-99-0	ND	220
SV-13 DUP	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	160
SV-13 DUP	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	160
SV-13 DUP	11/4/2008	1,4-Dioxane	123-91-1	ND	140
SV-13 DUP	11/4/2008	2-Butanone	78-93-3	ND	170
SV-13 DUP	11/4/2008	2-Hexanone	591-78-6	ND	240
SV-13 DUP	11/4/2008	4-Ethyltoluene	622-96-8	ND	100
SV-13 DUP	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	120
SV-13 DUP	11/4/2008	Acetone	67-64-1	ND	830
SV-13 DUP	11/4/2008	Benzene	71-43-2	ND	150
SV-13 DUP	11/4/2008	Benzyl chloride	100-44-7	ND	96
SV-13 DUP	11/4/2008	Bromodichloromethane	75-27-4	ND	74
SV-13 DUP	11/4/2008	Bromoform	75-25-2	ND	190
SV-13 DUP	11/4/2008	Bromomethane	74-83-9	ND	130
SV-13 DUP	11/4/2008	Carbon disulfide	75-15-0	ND	160
SV-13 DUP	11/4/2008	Carbon tetrachloride	56-23-5	ND	78
SV-13 DUP	11/4/2008	Chlorobenzene	108-90-7	ND	110
SV-13 DUP	11/4/2008	Chloroethane	75-00-3	ND	190
SV-13 DUP	11/4/2008	Chloroform	67-66-3	ND	100
SV-13 DUP	11/4/2008	Chloromethane	74-87-3	ND	240
SV-13 DUP	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	120
SV-13 DUP	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	110
SV-13 DUP	11/4/2008	Cyclohexane	110-82-7	ND	290
SV-13 DUP	11/4/2008	Dibromochloromethane	124-48-1	ND	58
SV-13 DUP	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	200
SV-13 DUP	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	140
SV-13 DUP	11/4/2008	Ethyl acetate	141-78-6	ND	140
SV-13 DUP	11/4/2008	Ethylbenzene	100-41-4	ND	110
SV-13 DUP	11/4/2008	Hexachlorobutadiene	87-68-3	ND	92
SV-13 DUP	11/4/2008	m,p-Xylene	136777-61-2	ND	110
SV-13 DUP	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	140
SV-13 DUP	11/4/2008	Methylene chloride	75-09-2	ND	280
SV-13 DUP	11/4/2008	n-Heptane	142-82-5	ND	120
SV-13 DUP	11/4/2008	n-Hexane	110-54-3	ND	140
SV-13 DUP	11/4/2008	o-Xylene	95-47-6	ND	110
SV-13 DUP	11/4/2008	Propene	115-07-1	ND	570
SV-13 DUP	11/4/2008	Styrene	100-42-5	ND	120
SV-13 DUP	11/4/2008	Tetrachloroethene	127-18-4	ND	73
SV-13 DUP	11/4/2008	Tetrahydrofuran	109-99-9	ND	170
SV-13 DUP	11/4/2008	Toluene	108-88-3	ND	130
SV-13 DUP	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	120
SV-13 DUP	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	110
SV-13 DUP	11/4/2008	Trichloroethene	79-01-6	4400	92
SV-13 DUP	11/4/2008	Trichlorofluoromethane	75-69-4	ND	88
SV-13 DUP	11/4/2008	Vinyl acetate	108-05-4	ND	280
SV-13 DUP	11/4/2008	Vinyl chloride	75-01-4	ND	190

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SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-14	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	360
SV-14	11/4/2008	1,1,1-Trichloroethane	71-55-6	3700	450
SV-14	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	360
SV-14	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	450
SV-14	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	650
SV-14	11/4/2008	1,1-Dichloroethane	75-34-3	ND	610
SV-14	11/4/2008	1,1-Dichloroethene	75-35-4	ND	620
SV-14	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	660
SV-14	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	ND	500
SV-14	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	320
SV-14	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	820
SV-14	11/4/2008	1,2-Dichloroethane	107-06-2	ND	610
SV-14	11/4/2008	1,2-Dichloropropane	78-87-5	ND	530
SV-14	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	500
SV-14	11/4/2008	1,3-Butadiene	106-99-0	ND	1100
SV-14	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	820
SV-14	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	820
SV-14	11/4/2008	1,4-Dioxane	123-91-1	ND	680
SV-14	11/4/2008	2-Butanone	78-93-3	ND	840
SV-14	11/4/2008	2-Hexanone	591-78-6	ND	1200
SV-14	11/4/2008	4-Ethyltoluene	622-96-8	ND	500
SV-14	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	600
SV-14	11/4/2008	Acetone	67-64-1	ND	4200
SV-14	11/4/2008	Benzene	71-43-2	ND	770
SV-14	11/4/2008	Benzyl chloride	100-44-7	ND	480
SV-14	11/4/2008	Bromodichloromethane	75-27-4	ND	370
SV-14	11/4/2008	Bromoform	75-25-2	ND	950
SV-14	11/4/2008	Bromomethane	74-83-9	ND	640
SV-14	11/4/2008	Carbon disulfide	75-15-0	ND	790
SV-14	11/4/2008	Carbon tetrachloride	56-23-5	ND	390
SV-14	11/4/2008	Chlorobenzene	108-90-7	ND	540
SV-14	11/4/2008	Chloroethane	75-00-3	ND	930
SV-14	11/4/2008	Chloroform	67-66-3	ND	500
SV-14	11/4/2008	Chloromethane	74-87-3	ND	1200
SV-14	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	620
SV-14	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	540
SV-14	11/4/2008	Cyclohexane	110-82-7	ND	1400
SV-14	11/4/2008	Dibromochloromethane	124-48-1	ND	290
SV-14	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	1000
SV-14	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	710
SV-14	11/4/2008	Ethyl acetate	141-78-6	ND	680
SV-14	11/4/2008	Ethylbenzene	100-41-4	ND	570
SV-14	11/4/2008	Hexachlorobutadiene	87-68-3	ND	460
SV-14	11/4/2008	m,p-Xylene	136777-61-2	ND	570
SV-14	11/4/2008	Methane	74-82-8	ND	10
SV-14	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	680
SV-14	11/4/2008	Methylene chloride	75-09-2	ND	1400
SV-14	11/4/2008	n-Heptane	142-82-5	ND	600
SV-14	11/4/2008	n-Hexane	110-54-3	ND	700
SV-14	11/4/2008	o-Xylene	95-47-6	ND	570
SV-14	11/4/2008	Propene	115-07-1	ND	2900
SV-14	11/4/2008	Styrene	100-42-5	ND	580
SV-14	11/4/2008	Tetrachloroethene	127-18-4	ND	360
SV-14	11/4/2008	Tetrahydrofuran	109-99-9	ND	840
SV-14	11/4/2008	Toluene	108-88-3	ND	650
SV-14	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	620
SV-14	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	540
SV-14	11/4/2008	Trichloroethene	79-01-6	52000	460
SV-14	11/4/2008	Trichlorofluoromethane	75-69-4	ND	440
SV-14	11/4/2008	Vinyl acetate	108-05-4	ND	1400
SV-14	11/4/2008	Vinyl chloride	75-01-4	ND	970

Table 3
Complete Soil Vapor Sampling Results
400 Rider Avenue
Bronx, NY

SAMPLE NAME	SAMPLE DATE	ANALYTE	CAS NUMBER	RESULTS ppbv	REPORTING LIMIT ppbv
SV-15	11/4/2008	1,1,1,2-Tetrachloroethane	630-20-6	ND	7.2
SV-15	11/4/2008	1,1,1-Trichloroethane	71-55-6	ND	9.1
SV-15	11/4/2008	1,1,2,2-Tetrachloroethane	79-34-5	ND	7.2
SV-15	11/4/2008	1,1,2-Trichloroethane	79-00-5	ND	9.1
SV-15	11/4/2008	1,1,2-Trichlorotrifluoroethane	76-13-1	ND	13
SV-15	11/4/2008	1,1-Dichloroethane	75-34-3	ND	12
SV-15	11/4/2008	1,1-Dichloroethene	75-35-4	ND	12
SV-15	11/4/2008	1,2,4-Trichlorobenzene	120-82-1	ND	13
SV-15	11/4/2008	1,2,4-Trimethylbenzene	95-63-6	11	10
SV-15	11/4/2008	1,2-Dibromoethane (EDB)	106-93-4	ND	6.4
SV-15	11/4/2008	1,2-Dichlorobenzene	95-50-1	ND	16
SV-15	11/4/2008	1,2-Dichloroethane	107-06-2	ND	12
SV-15	11/4/2008	1,2-Dichloropropane	78-87-5	ND	11
SV-15	11/4/2008	1,3,5-Trimethylbenzene	108-67-8	ND	10
SV-15	11/4/2008	1,3-Butadiene	106-99-0	ND	22
SV-15	11/4/2008	1,3-Dichlorobenzene	541-73-1	ND	16
SV-15	11/4/2008	1,4-Dichlorobenzene	106-46-7	ND	16
SV-15	11/4/2008	1,4-Dioxane	123-91-1	ND	14
SV-15	11/4/2008	2-Butanone	78-93-3	ND	17
SV-15	11/4/2008	2-Hexanone	591-78-6	ND	24
SV-15	11/4/2008	4-Ethyltoluene	622-96-8	ND	10
SV-15	11/4/2008	4-Methyl-2-pentanone	108-10-1	ND	12
SV-15	11/4/2008	Acetone	67-64-1	ND	83
SV-15	11/4/2008	Benzene	71-43-2	ND	15
SV-15	11/4/2008	Benzyl chloride	100-44-7	ND	9.6
SV-15	11/4/2008	Bromodichloromethane	75-27-4	ND	7.4
SV-15	11/4/2008	Bromoform	75-25-2	ND	19
SV-15	11/4/2008	Bromomethane	74-83-9	ND	13
SV-15	11/4/2008	Carbon disulfide	75-15-0	ND	16
SV-15	11/4/2008	Carbon tetrachloride	56-23-5	ND	7.8
SV-15	11/4/2008	Chlorobenzene	108-90-7	ND	11
SV-15	11/4/2008	Chloroethane	75-00-3	ND	19
SV-15	11/4/2008	Chloroform	67-66-3	ND	10
SV-15	11/4/2008	Chloromethane	74-87-3	ND	24
SV-15	11/4/2008	cis-1,2-Dichloroethene	156-59-2	ND	12
SV-15	11/4/2008	cis-1,3-Dichloropropene	10061-01-5	ND	11
SV-15	11/4/2008	Cyclohexane	110-82-7	ND	29
SV-15	11/4/2008	Dibromochloromethane	124-48-1	ND	5.8
SV-15	11/4/2008	Dichlorodifluoromethane	75-71-8	ND	20
SV-15	11/4/2008	Dichlorotetrafluoroethane	76-14-2	ND	14
SV-15	11/4/2008	Ethyl acetate	141-78-6	ND	14
SV-15	11/4/2008	Ethylbenzene	100-41-4	15	11
SV-15	11/4/2008	Hexachlorobutadiene	87-68-3	ND	9.2
SV-15	11/4/2008	m,p-Xylene	136777-61-2	80	11
SV-15	11/4/2008	Methane	74-82-8	ND	10
SV-15	11/4/2008	Methyl tert-butyl ether	1634-04-4	ND	14
SV-15	11/4/2008	Methylene chloride	75-09-2	ND	28
SV-15	11/4/2008	n-Heptane	142-82-5	ND	12
SV-15	11/4/2008	n-Hexane	110-54-3	ND	14
SV-15	11/4/2008	o-Xylene	95-47-6	13	11
SV-15	11/4/2008	Propene	115-07-1	ND	57
SV-15	11/4/2008	Styrene	100-42-5	ND	12
SV-15	11/4/2008	Tetrachloroethene	127-18-4	12	7.3
SV-15	11/4/2008	Tetrahydrofuran	109-99-9	ND	17
SV-15	11/4/2008	Toluene	108-88-3	130	13
SV-15	11/4/2008	trans-1,2-Dichloroethene	156-60-5	ND	12
SV-15	11/4/2008	trans-1,3-Dichloropropene	10061-02-6	ND	11
SV-15	11/4/2008	Trichloroethene	79-01-6	23	9.2
SV-15	11/4/2008	Trichlorofluoromethane	75-69-4	ND	8.8
SV-15	11/4/2008	Vinyl acetate	108-05-4	ND	28
SV-15	11/4/2008	Vinyl chloride	75-01-4	ND	19

Table 4
Summary of Soil Sampling Results for VOC Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC Recommended Soil Cleanup Objectives	NYSDEC Table 375 Restricted Residential	NYSDEC Table 375 Unrestricted SCO's	SB-1 (1-3)	SB-1 (6-8)	SB-17 (3-4)	SB-17 (6-8)	SB-12 (1-3)	SB-12 (6-8)	SB-11 (2-4)	SB-11 (6-8)	SB-14 (2-4)	SB-14 (6-8)	SB-5 (3-4)	SB-5 (7-8)	SB-19 (3-4)	SB-19 (6-8)	SB-7 (3-4)	SB-7 (6-8)	SB-9 (3-4)	SB-9 (5.5-8)
Lab Sample Number				G2225-01B	G2225-02B	G2225-03B	G2225-04B	G2225-05B	G2225-06B	G2225-07B	G2225-08B	G2225-09B	G2225-10B	G2225-11B	G2225-12B	G2225-13B	G2225-14B	G2225-15B	G2225-16B	G2225-17B	G2225-18B
Sampling Date				11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	3/9/2007	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008
Sample Depth (feet)				1-3	6-8	3-4	6-8	1-3	6-8	2-4	6-8	2-4	6-8	3-4	7-8	3-4	6-8	3-4	6-8	3-4	5.5-8
Percent Solids				91	89	83	86	86	88	86	97	94	89	92	88	89	78	83	87	88	90
Dilution Factor				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Matrix				Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds																					
1,1,1,2-Tetrachloroethane	200	100000	50	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,1,1-Trichloroethane	800	100000	680	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,1,2,2-Tetrachloroethane	600	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,1,2-Trichloroethane	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,1-Dichloroethane	200	26000	270	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,1-Dichloroethene	400	100000	330	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,1-Dichloropropene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,2,3-Trichlorobenzene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,2,3-Trichloropropane	400	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,2,4-Trichlorobenzene	3400	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,2,4-Trimethylbenzene	NS	52000	3600	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,2-Dibromo-3-chloropropane	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,2-Dibromoethane	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,2-Dichlorobenzene	7900	100000	1100	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,2-Dichloroethane	100	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,2-Dichloropropane	200	26000	210	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,3,5-Trimethylbenzene	NS	52000	8400	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,3-Dichlorobenzene	1600	49000	2400	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,3-Dichloropropane	300	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
1,4-Dichlorobenzene	8500	13000	1800	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
2,2-Dichloropropane	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
2-Butanone	5500	41000	1000	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
2-Chlorotoluene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
2-Hexanone	1000	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
4-Chlorotoluene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
4-Isopropyltoluene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
4-Methyl-2-pentanone	1400	19000	1300	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Acetone	200	100000	50	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Benzene	60	4800	60	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Bromobenzene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Bromochloromethane	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Bromodichloromethane	700	21000	470	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Bromoform	200	900	20	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Bromomethane	1300	100000	260	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Carbon disulfide	200	100000	50	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Carbon tetrachloride	600	2400	760	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Chlorobenzene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Chloroethane	1900	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Chloroform	300	49000	370	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Chloromethane	300	NS	120	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
cis-1,2-Dichloroethene	2700	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
cis-1,3-Dichloropropene	600	2400	2400	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Dibromochloromethane	NS	100000	1100	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Dibromomethane	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Dichlorodifluoromethane	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Ethylbenzene	5500	41000	1000	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Hexachlorobutadiene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Iodomethane	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Isopropylbenzene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
m,p-Xylene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Methyl tert-butyl ether	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Methylene chloride	300	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
n-Butylbenzene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
n-Propylbenzene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Naphthalene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
o-Xylene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
sec-Butylbenzene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Styrene	1000	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
tert-Butylbenzene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Tetrachloroethene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Toluene	1400	19000	1300	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
trans-1,2-Dichloroethene	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
trans-1,3-Dichloropropene	600	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Trichloroethene	700	100000	680	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	2.4J	5.7U	3.8J	5.6U
Trichlorofluoromethane	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Vinyl acetate	NS	NS	NS	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Vinyl chloride	200	900	20	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U
Xylene (Total)	1200	100000	260	5.4U	5.1U	5.9U	5.6U	5.4U	5.5U	5.4U	4.9U	6.0U	5.5U	5.0U	5.5U	5.4U	6.4U	5.5U	5.7U	5.5U	5.6U

Notes
Bold values indicate concentration exceeds the New York State Technical and Administrative Guidance Memorandum #4046 (TAGM 4046)-Recommendend Soil Cleanup Objectives
Underline-indicates concentration exceeds NYSDEC Table 375 - 6.8(b) Protection of Public Health
NS--indicates No Standard
U-Not detected above indicated level
J-indicates estimated value
B-indicates detected in lab blank

Table 4
Summary of Soil Sampling Results for VOC Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC Recommended Soil Cleanup Objectives	NYSDEC Table 375 Restricted Residential	NYSDEC Table 375 Unrestricted SCO's	SB-10 (3-4)	SB-10 (6-8)	SB-18 (3-4)	SB-13 (6-8)	SB-13 (2-4)	SB-13 (6-8)	SB-16 (2-4)	SB-16 (6.5-8)	SB-18 (3-4)	SB-18 (6-8)	SB-6 (2-4)	SB-6 (6-8)	SB-4 (2-4)	SB-4 (6-8)	SB-3 (2-4)	SB-3 (7-8)	SB-20 (4-6)
Lab Sample Number				G2225-19B	G2225-20B	G2226-01B	G2226-02B	G2226-03B	G2226-04B	G2226-05B	G2226-06B	G2226-07B	G2226-08B	G2226-09B	G2225-10B	G2225-11B	G2226-12B	G2225-13B	G2226-14B	G2226-15B
Sampling Date				11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008
Sample Depth (feet)				3-4	6-8	3-4	6-8	2-4	6-8	2-4	6.5-8	3-4	6-8	2-4	6-8	2-4	6-8	2-4	7-8	4-6
Percent Solids				84	88	80	88	68	87	84	90	82	87	90	87	93	89	94	84	88
Dilution Factor				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Matrix				Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds																				
1,1,1,2-Tetrachloroethane	300	100000	50	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,1,1-Trichloroethane	800	100000	680	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,1,2,2-Tetrachloroethane	600	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,1,2-Trichloroethane	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,1-Dichloroethane	200	26000	270	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,1-Dichloroethene	400	100000	330	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,1-Dichloropropene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,2,3-Trichlorobenzene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,2,3-Trichloropropane	400	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,2,4-Trichlorobenzene	3400	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,2,4-Trimethylbenzene	NS	52000	3600	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,2-Dibromo-3-chloropropane	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,2-Dibromoethane	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,2-Dichlorobenzene	7900	100000	1100	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,2-Dichloroethane	100	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,2-Dichloropropane	200	26000	270	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,3,5-Trimethylbenzene	NS	52000	8400	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,3-Dichlorobenzene	1600	49000	2400	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,3-Dichloropropane	300	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
1,4-Dichlorobenzene	8500	13000	1800	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
2,2-Dichloropropane	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
2-Butanone	5600	41000	1000	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
2-Chlorotoluene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
2-Hexanone	1000	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
4-Chlorotoluene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
4-Isopropyltoluene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
4-Methyl-2-pentanone	1400	19000	1300	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Acetone	200	100000	50	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Benzene	60	4800	60	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Bromobenzene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Bromochloromethane	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Bromodichloromethane	700	21000	470	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Bromoform	200	900	20	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Bromomethane	1200	100000	260	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Carbon disulfide	200	100000	50	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Carbon tetrachloride	600	2400	760	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Chlorobenzene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Chloroethane	1900	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Chloroform	300	49000	370	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Chloromethane	300	NS	120	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
cis-1,2-Dichloroethene	2700	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
cis-1,3-Dichloropropene	600	2400	2400	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Dibromochloromethane	NS	100000	1100	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Dibromomethane	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Dichlorodifluoromethane	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Ethylbenzene	5500	41000	1000	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Hexachlorobutadiene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Iodomethane	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Isopropylbenzene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
m,p-Xylene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Methyl tert-butyl ether	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Methylene chloride	300	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
n-Butylbenzene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
n-Propylbenzene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Naphthalene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
o-Xylene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
sec-Butylbenzene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Styrene	1000	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
tert-Butylbenzene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Tetrachloroethene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Toluene	1400	19000	1300	3.1J	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
trans-1,2-Dichloroethene	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
trans-1,3-Dichloropropene	600	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Trichloroethene	700	100000	680	4.1J	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	7.4	5.5U	5.2U	5.5U	5.9U	2.2J	5.2U	5.3U	5.7U
Trichlorofluoromethane	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Vinyl acetate	NS	NS	NS	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Vinyl chloride	200	900	20	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U
Xylene (Total)	1200	100000	260	6.0U	5.4U	6.1U	5.6U	5.4U	5.0U	5.7U	5.6U	5.6U	5.5U	5.2U	5.5U	5.9U	5.6U	5.2U	5.3U	5.7U

Notes
Bold values indicate concentration exceeds the New York State Technical and Administrative Gui
Underline-indicates concentration exceeds NYSDEC Table 375 - 6.8(b) Protection of Public Healt
NS-Indicates No Standard
U-Not detected above indicated level
J-Indicates estimated value
B-Indicates detected in lab blank

Table 4
Summary of Soil Sampling Results for VOC Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC	NYSDEC	NYSDEC	SB-21 (4-6)	SB-22 (4-6)	SB-23 (6-8)	SB-23 (3-5)	DUPLICATE	SB-2 (2-4)	SB-2 (6-8)	SB-24 (2-4)	SB-24 (6-8)	SB-25 (3-4)	SB-25 (6-8)	SB-9 (1-3)
Lab Sample Number	Recommended	Table 375	Table 375	G2226-16B	G2226-17B	G2226-18B	G2226-19B	G2226-20B	G2226-21B	G2226-22B	G2226-23B	G2226-24B	G2226-25B	G2226-26B	G2226-27B
Sampling Date	Soil	Restricted	Unrestricted	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008
Sample Depth (feet)	Cleanup	Residential	SCO's	4-6	4-6	6-8	3-5		2-4	6-8	2-4	6-8	3-4	6-8	1-3
Percent Solids	Objectives			92	83	84	92	86	93	89	83	89	87	89	85
Dilution Factor				1	1	1	1	1	1	1	1	1	1	1	1
Matrix				Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	200	100000	50	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,1,1-Trichloroethane	800	100000	680	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,1,2,2-Tetrachloroethane	600	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,1,2-Trichloroethane	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,1-Dichloroethane	200	26000	270	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,1-Dichloroethene	400	100000	330	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,1-Dichloropropene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,2,3-Trichlorobenzene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,2,3-Trichloropropane	400	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,2,4-Trichlorobenzene	3400	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,2,4-Trimethylbenzene	NS	52000	3600	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,2-Dibromo-3-chloropropane	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,2-Dibromoethane	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,2-Dichlorobenzene	7900	100000	1100	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,2-Dichloroethane	100	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,2-Dichloropropane	200	26000	270	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,3,5-Trimethylbenzene	NS	52000	8400	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,3-Dichlorobenzene	1600	49000	2400	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,3-Dichloropropane	300	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
1,4-Dichlorobenzene	8500	13000	1800	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
2,2-Dichloropropane	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
2-Butanone	5500	41000	1000	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
2-Chlorotoluene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
2-Hexanone	1000	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
4-Chlorotoluene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
4-Isopropyltoluene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
4-Methyl-2-pentanone	1400	19000	1300	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Acetone	200	100000	50	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Benzene	60	4800	60	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Bromobenzene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Bromochloromethane	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Bromodichloromethane	700	21000	470	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Bromoform	200	900	20	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Bromomethane	1200	100000	260	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Carbon disulfide	200	100000	50	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Carbon tetrachloride	600	2400	760	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Chlorobenzene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Chloroethane	1900	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Chloroform	300	49000	370	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Chloromethane	300	NS	120	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
cis-1,2-Dichloroethene	2700	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
cis-1,3-Dichloropropene	600	2400	2400	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Dibromochloromethane	NS	100000	1100	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Dibromomethane	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Dichlorodifluoromethane	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Ethylbenzene	5500	41000	1000	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Hexachlorobutadiene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Iodomethane	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Isopropylbenzene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
m,p-Xylene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Methyl tert-butyl ether	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Methylene chloride	300	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
n-Butylbenzene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
n-Propylbenzene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Naphthalene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
o-Xylene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
sec-Butylbenzene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Styrene	1000	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
tert-Butylbenzene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Tetrachloroethene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Toluene	1400	19000	1300	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
trans-1,2-Dichloroethene	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
trans-1,3-Dichloropropene	600	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Trichloroethene	700	100000	680	5.0 U	5.9 U	3.7 J	620	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	13	5.6 U	5.7 U
Trichlorofluoromethane	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Vinyl acetate	NS	NS	NS	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Vinyl chloride	200	900	20	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U
Xylene (Total)	1200	100000	260	5.0 U	5.9 U	5.7 U	27 U	5.8 U	5.3 U	5.4 U	5.5 U	5.5 U	5.6 U	5.6 U	5.7 U

Notes
Bold values indicate concentration exceeds the New York State Technical and Administrative Gui
Underline-indicates concentration exceeds NYSDEC Table 375 - 6 8(b) Protection of Public Heall
NS-indicates No Standard
U-Not detected above indicated level
J-indicates estimated value
B-indicates detected in lab blank

Table 5
Summary of Soil Sampling Results for SVOC Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC Recommended Soil Cleanup Objectives	NYSDEC Table 375 Restricted Residential	NYSDEC Table 375 Unrestricted SCO's	SB-1 (1-3)	SB-1 (6-8)	SB-17 (3-4)	SB-17 (6-8)	SB-12 (1-3)	SB-12 (6-8)	SB-11 (2-4)	SB-11 (6-8)	SB-14 (2-4)	SB-14 (6-8)	SB-5 (3-4)	SB-5 (7-8)	SB-19 (3-4)	SB-19 (6-8)	SB-7 (3-4)	SB-7 (6-8)	SB-8 (3-4)	SB-8 (5.5-6)	SB-10 (3-4)	SB-10 (6-8)
Lab Sample Number				G2225-01B	G2225-02B	G2225-03B	G2225-04B	G2225-05B	G2225-06B	G2225-07B	G2225-08B	G2225-09B	G2225-10B	G2225-13B	G2225-12B	G2225-13B	G2225-14B	G2225-15B	G2225-16B	G2225-17B	G2225-18B	G2225-19B	G2225-20B
Sampling Date				11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008
Sample Depth (feet)				1-3	6-8	3-4	6-8	1-3	6-8	2-4	6-8	2-4	6-8	3-4	7-8	3-4	6-8	3-4	6-8	3-4	5.5-6	3-4	6-8
Percent Solids				91	89	83	86	85	88	86	97	84	89	92	88	89	76	83	87	88	90	84	88
Dilution Factor				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Matrix				Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds																							
1,2,4-Trichlorobenzene	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
1,2-Dichlorobenzene	NS	NS	1100	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
1,3-Dichlorobenzene	NS	NS	2400	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
1,4-Dichlorobenzene	NS	NS	1800	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
2,2'-oxybis(1-chloropropane)	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
2,4,5-Trichlorophenol	100	NS	NS	740 U	750 U	1600 U	770 U	780 U	750 U	770 U	690 U	790 U	740 U	730 U	750 U	750 U	870 U	810 U	770 U	760 U	740 U	790 U	750 U
2,4,6-Trichlorophenol	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
2,4-Dichlorophenol	400	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
2,4-Dimethylphenol	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
2,4-Dinitrophenol	200	NS	NS	740 U	750 U	1600 U	770 U	780 U	750 U	770 U	690 U	790 U	740 U	730 U	750 U	750 U	870 U	810 U	770 U	760 U	740 U	790 U	750 U
2,4-Dinitrotoluene	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
2,6-Dinitrotoluene	1000	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
2-Chloronaphthalene	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
2-Chlorophenol	800	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
2-Methylnaphthalene	36400	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
2-Methylphenol	100	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
2-Nitroaniline	430	NS	NS	740 U	750 U	1600 U	770 U	780 U	750 U	770 U	690 U	790 U	740 U	730 U	750 U	750 U	870 U	810 U	770 U	760 U	740 U	790 U	750 U
2-Nitrophenol	330	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
3,3'-Dichlorobenzidine	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
3-Nitroaniline	500	NS	NS	740 U	750 U	1600 U	770 U	780 U	750 U	770 U	690 U	790 U	740 U	730 U	750 U	750 U	870 U	810 U	770 U	760 U	740 U	790 U	750 U
4,6-Dinitro-2-methylphenol	NS	NS	NS	740 U	750 U	1600 U	770 U	780 U	750 U	770 U	690 U	790 U	740 U	730 U	750 U	750 U	870 U	810 U	770 U	760 U	740 U	790 U	750 U
4-Bromophenyl phenyl ether	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
4-Chloro-3-methylphenol	240	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
4-Chloroaniline	220	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
4-Chlorophenyl phenyl ether	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
4-Methylphenol	900	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
4-Nitroaniline	NS	NS	NS	740 U	750 U	1600 U	770 U	780 U	750 U	770 U	690 U	790 U	740 U	730 U	750 U	750 U	870 U	810 U	770 U	120 J	740 U	790 U	750 U
4-Nitrophenol	100	NS	NS	740 U	750 U	1600 U	770 U	780 U	750 U	770 U	690 U	790 U	740 U	730 U	750 U	750 U	870 U	810 U	770 U	760 U	740 U	790 U	750 U
Acenaphthene	50000	100000	20000	350 J	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	110 J	400 U	380 U	190 J	370 U	390 U	370 U
Acenaphthylene	41000	100000	100000	130 J	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	120 J	96 J	380 U	230 J	370 U	390 U	370 U
Anthracene	50000	100000	100000	310 J	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	260 J	400 U	380 U	530	370 U	390 U	370 U
Benzo(a)anthracene	224	1000	1000	1100	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	770	140 J	380 U	1700	370 U	390 U	370 U
Benzo(a)pyrene	61	1000	1000	1200	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	96 J	860	170 J	380 U	1600	370 U	390 U	370 U
Benzo(b)fluoranthene	1100	1000	1000	1400	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	120 J	790	240 J	380 U	2000	370 U	390 U	370 U
Benzo(g,h,i)perylene	50000	100000	100000	620	370 U	400 J	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	710	190 J	380 U	830	370 U	390 U	370 U
Benzo(k)fluoranthene	1100	3900	800	550	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	310 J	400 U	380 U	840	370 U	390 U	370 U
Bis(2-chloroethoxy)methane	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Bis(2-chloroethyl)ether	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Bis(2-ethylhexyl) phthalate	50000	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	290 J	400 U	380 U	130 J	370 U	390 U	370 U
Butyl benzyl phthalate	50000	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 J	370 U	390 U	370 U
Carbazole	NS	NS	NS	270 J	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	250 J	370 U	390 U	370 U
Chrysene	400	3900	1000	1600	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	110 J	950	170 J	380 U	1500	370 U	390 U	370 U
Dibenz(a,h)anthracene	14	330	330	170 J	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	190 J	400 U	380 U	290 J	370 U	390 U	370 U
Dibenzofuran	6200	NS	7000	120 J	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	90 J	370 U	390 U	370 U
Diethyl phthalate	7100	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Dimethyl phthalate	2000	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Di-n-butyl phthalate	8100	NS	NS	110 J	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Di-n-octyl phthalate	50000	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Fluoranthene	50000	100000	100000	2800	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	180 J	1400	270 J	380 U	4000	370 U	390 U	370 U
Fluorene	50000	100000	30000	170 J	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	130 J	400 U	380 U	180 J	370 U	390 U	370 U
Hexachlorobenzene	410	NS	330	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Hexachlorobutadiene	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Hexachlorocyclopentadiene	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Hexachloroethane	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Indeno(1,2,3-cd)pyrene	3200	500	500	530	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430	140 J	380 U	610	370 U	390 U	370 U
Isophorone	4400	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Naphthalene	13000	100000	12000	120 J	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Nitrobenzene	200	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
N-Nitrosodi-n-propylamine	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
N-Nitrosodiphenylamine	NS	NS	NS	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	430 U	400 U	380 U	380 U	370 U	390 U	370 U
Pentachlorophenol	1000	6700	800	740 U	750 U	1600 U	770 U	780 U	750 U	770 U	690 U	790 U	740 U	730 U	750 U	750 U	870 U	810 U	770 U	760 U	740 U	790 U	750 U
Phenanthrene	50000	100000	100000	2600	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	370 U	1700	120 J	380 U	2500	370 U	390 U	370 U
Phenol	30	100000	330	360 U	370 U	800 U	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	150 J	180 J	160 J	380 U	110 J	70 J	91 J	83 J
Pyrene	50000	100000	100000	2500	370 U	210 J	380 U	380 U	370 U	380 U	340 U	390 U	360 U	360 U	370 U	200 J	1800	230 J	380 U	3000	370 U	390 U	370 U
TOTAL	500000			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
Bold values indicate concentration exceeds the New York State Technical and Administrative Guidance Memorandum #4046 (TAGM 4046)-Recommendend Soil Cleanup Objectives
Underline-indicates concentration exceeds NYSDEC Table 375 - 6.8(b) Protection of Public Health
NS-indicates No Standard
U-Not detected above indicated level
J-indicates estimated value
M-indicates manual intergrated compound

Table 5
Summary of Soil Sampling Results for SVOC Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC Recommended Soil Cleanup Objectives	NYSDEC Table 375 Restricted Residential	NYSDEC Table 375 Unrestricted SCO's	SB-15 (3-4)	SB-15 (3-4)DL	SB-15 (6-8)	SB-13 (2-4)	SB-13 (6-8)	SB-16 (2-4)	SB-16 (6.5-8)	SB-18 (3-4)	SB-18 (6-8)	SB-5 (2-4)	SB-5 (6-8)	SB-4 (2-4)	SB-4 (2-4)RE	SB-4 (6-8)	SB-4 (6-8)RE	SB-3 (2-4)	SB-3 (2-4)RE	SB-3 (7-8)	SB-3 (7-8)RE
Lab Sample Number				G2226-01B	G2226-01ADL	G2226-02B	G2226-03B	G2226-04B	G2226-05B	G2226-06B	G2226-07B	G2226-08B	G2226-09B	G2226-10B	G2226-11B	G2226-11ARE	G2226-12B	G2226-12ARE	G2226-13B	G2226-13ARE	G2226-14B	G2226-14ARE
Sampling Date				11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008
Sample Depth (feet)				3-4	3-4	6-8	2-4	6-8	2-4	6.5-8	3-4	6-8	2-4	6-8	2-4	2-4	6-8	6-8	2-4	2-4	7-8	7-8
Percent Solids																						
Dilution Factor				1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Matrix				Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds																						
1,2,4-Trichlorobenzene	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
1,2-Dichlorobenzene	NS	NS	1100	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
1,3-Dichlorobenzene	NS	NS	2400	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
1,4-Dichlorobenzene	NS	NS	1800	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
2,2'-oxybis(1-chloropropane)	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
2,4,5-Trichlorophenol	100	NS	NS	840 U	1700 U	770 U	750 U	690 U	800 U	740 U	810 U	770 U	740 U	760 U	810 U	810 U	760 U	740 U	700 U	710 U	710 U	710 U
2,4,6-Trichlorophenol	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
2,4-Dichlorophenol	400	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
2,4-Dimethylphenol	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
2,4-Dinitrophenol	200	NS	NS	840 U	1700 U	770 U	750 U	690 U	800 U	740 U	810 U	770 U	740 U	760 U	810 U	810 U	760 U	740 U	700 U	710 U	710 U	710 U
2,4-Dinitrotoluene	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
2,6-Dinitrotoluene	1000	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
2-Chloronaphthalene	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
2-Chlorophenol	800	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
2-Methylnaphthalene	36400	NS	NS	270 J	280 DJ	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
2-Methylphenol	100	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
2-Nitroaniline	430	NS	NS	840 U	1700 U	770 U	750 U	690 U	800 U	740 U	810 U	770 U	740 U	760 U	810 U	810 U	760 U	740 U	700 U	710 U	710 U	710 U
2-Nitrophenol	330	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
3,3'-Dichlorobenzidine	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
3-Nitroaniline	500	NS	NS	840 U	1700 U	770 U	750 U	690 U	800 U	740 U	810 U	770 U	740 U	760 U	810 U	810 U	760 U	740 U	700 U	710 U	710 U	710 U
4,6-Dinitro-2-methylphenol	NS	NS	NS	840 U	1700 U	770 U	750 U	690 U	800 U	740 U	810 U	770 U	740 U	760 U	810 U	810 U	760 U	740 U	700 U	710 U	710 U	710 U
4-Bromophenyl phenyl ether	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
4-Chloro-3-methylphenol	240	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
4-Chloroaniline	220	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
4-Chlorophenyl phenyl ether	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
4-Methylphenol	900	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
4-Nitroaniline	NS	NS	NS	840 U	1700 U	770 U	750 U	690 U	800 U	740 U	810 U	770 U	740 U	760 U	810 U	810 U	760 U	740 U	700 U	710 U	710 U	710 U
4-Nitrophenol	100	NS	NS	840 U	1700 U	770 U	750 U	690 U	800 U	740 U	810 U	770 U	740 U	760 U	810 U	810 U	760 U	740 U	700 U	710 U	710 U	710 U
Acenaphthene	50000	100000	20000	1100	1100 D	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Acenaphthylene	41000	100000	100000	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Anthracene	50000	100000	100000	2300	2300 D	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	110 J	370 U	370 U	350 U	350 U	350 U	350 U
Benzo[a]anthracene	224	1000	1000	4400	4800 D	380 U	100 J	340 U	390 U	370 U	200 J	380 U	370 U	370 U	400 U	340 J	370 U	270 J	350 U	140 J	350 U	350 U
Benzo[a]pyrene	61	1000	1000	3900	3900 D	380 U	370 U	340 U	390 U	370 U	220 J	380 U	370 U	370 U	400 U	360 J	370 U	310 J	350 U	120 J	350 U	350 U
Benzo[b]fluoranthene	1100	1000	1000	5000	4900 D	380 U	370 U	340 U	390 U	370 U	240 J	380 U	370 U	370 U	400 U	320 J	370 U	360 J	350 U	120 J	350 U	350 U
Benzo[g,h,i]perylene	50000	100000	100000	2100	2100 D	380 U	370 U	340 U	390 U	370 U	150 J	380 U	370 U	370 U	400 U	150 J	370 U	220 J	350 U	350 U	350 U	350 U
Benzo[k]fluoranthene	1100	3900	800	2000	2000 D	380 U	370 U	340 U	390 U	370 U	140 J	380 U	370 U	370 U	400 U	140 J	370 U	120 J	350 U	350 U	350 U	350 U
Bis(2-chloroethoxy)methane	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Bis(2-chloroethyl)ether	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Bis(2-ethylhexyl) phthalate	50000	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Butyl benzyl phthalate	50000	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Carbazole	NS	NS	NS	1100	1100 D	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Chrysene	400	3900	1000	4200	4300 D	380 U	370 U	340 U	390 U	370 U	220 J	380 U	370 U	370 U	400 U	310 J	370 U	310 J	350 U	150 J	350 U	350 U
Dibenz(a,h)anthracene	14	330	330	720	730 DJ	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Dibenzofuran	6200	NS	7000	570	570 DJ	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Diethyl phthalate	7100	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Dimethyl phthalate	2000	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Di-n-butyl phthalate	8100	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Di-n-octyl phthalate	50000	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Fluoranthene	50000	100000	100000	9600 E	10000 D	380 U	190 J	340 U	390 U	370 U	310 J	380 U	370 U	370 U	400 U	710	370 U	400	350 U	250 J	350 U	350 U
Fluorene	50000	100000	30000	1000	1000 D	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Hexachlorobenzene	410	NS	330	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Hexachlorobutadiene	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Hexachlorocyclopentadiene	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Hexachloroethane	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Indeno(1,2,3-cd)pyrene	3200	500	500	2000	2100 D	380 U	370 U	340 U	390 U	370 U	120 J	380 U	370 U	370 U	400 U	120 J	370 U	170 J	350 U	350 U	350 U	350 U
Isophorone	4400	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Naphthalene	13000	100000	12000	680	670 DJ	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Nitrobenzene	200	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
N-Nitrosodi-n-propylamine	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
N-Nitrosodiphenylamine	NS	NS	NS	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	400 U	370 U	370 U	350 U	350 U	350 U	350 U
Pentachlorophenol	1000	6700	800	840 U	1700 U	770 U	750 U	690 U	800 U	740 U	810 U	770 U	740 U	760 U	810 U	810 U	760 U	740 U	700 U	710 U	710 U	710 U
Phenanthrene	50000	100000	100000	8300 E	8200 D	380 U	170 J	340 U	390 U	370 U	400 U	380 U	370 U	370 U	400 U	640	370 U	140 J	350 U	180 J	350 U	350 U
Phenol	30	100000	330	410 U	830 U	380 U	370 U	340 U	390 U	370 U	400 U	380 U	370 U	370 U	91 J	160 J	170 J	93 BJ	150 J	66 BJ	170 J	77 BJ
Pyrene	50000	100000	100000	7400 E	7600 D	380 U	160 J	340 U	390 U	370 U	330 J	380 U	370 U	370 U	400 U	740	370 U	480	350 U	300 J	350 U	350 U
TOTAL	500000			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
Bold values indicate concentration exceeds the New York State Technical and Administrative Guid
Underline-indicates concentration exceeds NYSDEC Table 375 - 6.8(b) Protection of Public Health
NS-indicates No Standard
U-Not detected above indicated level
J-indicates estimated value
M-indicates manual intergrated compound

Table 5
Summary of Soil Sampling Results for SVOC Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC Recommended Soil Cleanup Objectives	NYSDEC Table 375 Restricted Residential	NYSDEC Table 375 Unrestricted SCO's	SB-20 (4-6)	SB-20 (4-6)RE	SB-21 (4-6)	SB-21 (4-6)RE	SB-22 (4-6)	SB-22 (4-6)RE	SB-23 (6-8)RE	SB-23 (6-8)	SB-23 (3-5)	SB-23 (3-5)DL	SB-23 (3-5)RE	DUPLICATE	DUPLICATERE	SB-2 (2-4)	SB-2 (2-4)RE	SB-2 (6-8)	SB-2 (6-8)RE	SB-24 (2-4)	SB-24 (2-4)RE
Lab Sample Number				G2226-15B	G2226-15ARE	G2226-16B	G2226-16ARE	G2226-17B	G2226-17ARE	G2226-18ARE	G2226-18B	G2226-19B	G2226-19ADL	G2226-19ARE	G2226-20B	G2226-20ARE	G2226-21B	G2226-21ARE	G2226-22B	G2226-22ARE	G2226-23B	G2226-23ARE
Sampling Date				11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008
Sample Depth (feet)				4-6	4-6	4-6	4-6	4-6	4-6	6-8	6-8	3-5	3-5	3-5			2-4	2-4	6-8	6-8	2-4	2-4
Percent Solids				1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
Dilution Factor																						
Matrix				Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds																						
1,2,4-Trichlorobenzene	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
1,2-Dichlorobenzene	NS	NS	1100	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
1,3-Dichlorobenzene	NS	NS	2400	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
1,4-Dichlorobenzene	NS	NS	1800	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
2,2'-oxybis(1-chloropropane)	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
2,4,5-Trichlorophenol	100	NS	NS	780 U	790 U	720 U	720 U	810 U	800 U	800 U	790 U	730 U	1500 U	3600 U	780 U	780 U	720 U	710 U	760 U	750 U	800 U	800 U
2,4,6-Trichlorophenol	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
2,4-Dichlorophenol	400	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
2,4-Dimethylphenol	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
2,4-Dinitrophenol	200	NS	NS	780 U	790 U	720 U	720 U	810 U	800 U	800 U	790 U	730 U	1500 U	3600 U	780 U	780 U	720 U	710 U	760 U	750 U	800 U	800 U
2,4-Dinitrotoluene	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
2,6-Dinitrotoluene	1000	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
2-Chloronaphthalene	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
2-Chlorophenol	800	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
2-Methylnaphthalene	36400	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
2-Methylphenol	100	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
2-Nitroaniline	430	NS	NS	780 U	790 U	720 U	720 U	810 U	800 U	800 U	790 U	730 U	1500 U	3600 U	780 U	780 U	720 U	710 U	760 U	750 U	800 U	800 U
2-Nitrophenol	330	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
3,3'-Dichlorobenzidine	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
3-Nitroaniline	500	NS	NS	780 U	790 U	720 U	720 U	810 U	800 U	800 U	790 U	730 U	1500 U	3600 U	780 U	780 U	720 U	710 U	760 U	750 U	800 U	800 U
4,6-Dinitro-2-methylphenol	NS	NS	NS	780 U	790 U	720 U	720 U	810 U	800 U	800 U	790 U	730 U	1500 U	3600 U	780 U	780 U	720 U	710 U	760 U	750 U	800 U	800 U
4-Bromophenyl phenyl ether	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
4-Chloro-3-methylphenol	240	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
4-Chloroaniline	220	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
4-Chlorophenyl phenyl ether	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
4-Methylphenol	900	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
4-Nitroaniline	NS	NS	NS	780 U	790 U	720 U	720 U	810 U	800 U	800 U	790 U	730 U	1500 U	3600 U	780 U	780 U	720 U	710 U	760 U	750 U	800 U	800 U
4-Nitrophenol	100	NS	NS	780 U	790 U	720 U	720 U	810 U	800 U	800 U	790 U	730 U	1500 U	3600 U	780 U	780 U	720 U	710 U	760 U	750 U	800 U	800 U
Acenaphthene	50000	100000	20000	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	260 J	250 DJ	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Acenaphthylene	41000	100000	100000	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	130 J	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Anthracene	50000	100000	100000	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	970	850 D	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Benzo(a)anthracene	224	1000	1000	390 U	390 U	410	360 U	290 J	400 U	390 U	390 U	2600	2700 D	920 J	380 U	380 U	310 J	350 U	370 U	370 U	400 U	400 U
Benzo(a)pyrene	61	1000	1000	390 U	390 U	440	360 U	230 J	400 U	390 U	390 U	2300	2300 D	850 J	380 U	380 U	180 J	350 U	370 U	370 U	400 U	400 U
Benzo(b)fluoranthene	1100	1000	1000	390 U	390 U	500	360 U	260 J	400 U	390 U	390 U	2700	2700 D	950 J	380 U	380 U	220 J	350 U	370 U	370 U	400 U	400 U
Benzo(g,h,i)perylene	50000	100000	100000	390 U	390 U	300 J	360 U	150 J	400 U	390 U	390 U	1300	1300 D	690 J	380 U	380 U	100 J	350 U	370 U	370 U	400 U	400 U
Benzo(k)fluoranthene	1100	3900	800	390 U	390 U	210 J	360 U	150 J	400 U	390 U	390 U	1300	1300 D	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Bis(2-chloroethoxy)methane	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Bis(2-chloroethyl)ether	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Bis(2-ethylhexyl) phthalate	50000	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Butyl benzyl phthalate	50000	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Carbazole	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	280 J	270 DJ	1800 U	380 U	380 U	280 J	350 U	370 U	370 U	400 U	400 U
Chrysene	400	3900	1000	390 U	390 U	440	360 U	300 J	400 U	390 U	390 U	2600	2600 D	1100 J	380 U	380 U	280 J	350 U	370 U	370 U	400 U	400 U
Dibenzo(a,h)anthracene	14	330	330	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	490	500 DJ	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Dibenzofuran	6200	NS	7000	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	280 J	240 DJ	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Diethyl phthalate	7100	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Dimethyl phthalate	2000	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Di-n-butyl phthalate	8100	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Di-n-octyl phthalate	50000	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Fluoranthene	50000	100000	100000	390 U	390 U	570	360 U	570	400 U	390 U	390 U	6100 E	5800 D	1400 J	380 U	380 U	490	350 U	370 U	370 U	400 U	400 U
Fluorene	50000	100000	30000	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	250 J	250 DJ	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Hexachlorobenzene	410	NS	330	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Hexachlorobutadiene	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Hexachlorocyclopentadiene	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Hexachloroethane	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Indeno(1,2,3-cd)pyrene	3200	500	500	390 U	390 U	260 J	360 U	130 J	400 U	390 U	390 U	1200	1200 D	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Isophorone	4400	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Naphthalene	13000	100000	12000	390 U	390 U	390 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Nitrobenzene	200	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
N-Nitrosodi-n-propylamine	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
N-Nitrosodiphenylamine	NS	NS	NS	390 U	390 U	360 U	360 U	400 U	400 U	390 U	390 U	360 U	720 U	1800 U	380 U	380 U	360 U	350 U	370 U	370 U	400 U	400 U
Pentachlorophenol	1000	6700	800	780 U	790 U	720 U	720 U	810 U	800 U	800 U	790 U	730 U	1500 U	3600 U	780 U	780 U	720 U	710 U	760 U	750 U	800 U	800 U
Phenanthrene	50000	100000	100000	390 U	390 U	180 J	360 U	480	400 U	390 U	390 U	4200	3900 D	620 J	380 U	380 U	490	350 U	370 U	370 U	400 U	400 U
Phenol	30	100000	330	140 J	88 BJ	180 J	86 BJ	110 J	83 BJ	110 BJ	200 J	190 J	190 DJ	1800 U	190 J	90 BJ	200 J	88 BJ	94 J	79 BJ	160 J	81 BJ
Pyrene	50000	100000	100000	390 U	390 U	740	360 U	580	400 U	390 U	390 U	4100	4000 D	1100 J	380 U	380 U	500	350 U	370 U	370 U	400 U	400 U
TOTAL	500000			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
Bold values indicate concentration exceeds the New York State Technical and Administrative Guid
Underline-indicates concentration exceeds NYSDEC Table 375 - 6.8(b) Protection of Public Health
NS-indicates No Standard
U-Not detected above indicated level
J-indicates estimated value
M-indicates manual intergrated compound

Table 5
Summary of Soil Sampling Results for SVOC Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC Recommended Soil Cleanup Objectives	NYSDEC Table 375 Restricted Residential	NYSDEC Table 375 Unrestricted SCO's	SB-24 (6-8)	SB-24 (6-8)RE	SB-25 (3-4)	SB-25 (3-4)RE	SB-25 (6-8)	SB-25 (6-8)RE	SB-9 (1-3)	SB-9 (1-3)RE
Lab Sample Number				G2226-24B	G2226-24ARE	G2226-25B	G2226-25ARE	G2226-26B	G2226-26ARE	G2226-27B	G2226-27ARE
Sampling Date				11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008
Sample Depth (feet)				6-8	6-8	3-4	3-4	6-8	6-8	1-3	1-3
Percent Solids											
Dilution Factor				1	1	1	1	1	1	1	1
Matrix				Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
1,2-Dichlorobenzene	NS	NS	1100	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
1,3-Dichlorobenzene	NS	NS	2400	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
1,4-Dichlorobenzene	NS	NS	1800	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
2,2'-oxybis(1-chloropropane)	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
2,4,5-Trichlorophenol	100	NS	NS	760 U	740 U	770 U	770 U	750 U	750 U	780 U	790 U
2,4,6-Trichlorophenol	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
2,4-Dichlorophenol	400	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
2,4-Dimethylphenol	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
2,4-Dinitrophenol	200	NS	NS	760 U	740 U	770 U	770 U	750 U	750 U	780 U	790 U
2,4-Dinitrotoluene	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
2,6-Dinitrotoluene	1000	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
2-Chloronaphthalene	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
2-Chlorophenol	800	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
2-Methylnaphthalene	36400	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
2-Methylphenol	100	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
2-Nitroaniline	430	NS	NS	760 U	740 U	770 U	770 U	750 U	750 U	780 U	790 U
2-Nitrophenol	330	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
3,3'-Dichlorobenzidine	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
3-Nitroaniline	500	NS	NS	760 U	740 U	770 U	770 U	750 U	750 U	780 U	790 U
4,6-Dinitro-2-methylphenol	NS	NS	NS	760 U	740 U	770 U	770 U	750 U	750 U	780 U	790 U
4-Bromophenyl phenyl ether	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
4-Chloro-3-methylphenol	240	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
4-Chloroaniline	220	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
4-Chlorophenyl phenyl ether	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
4-Methylphenol	900	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
4-Nitroaniline	NS	NS	NS	760 U	740 U	770 U	770 U	750 U	750 U	780 U	790 U
4-Nitrophenol	100	NS	NS	760 U	740 U	770 U	770 U	750 U	750 U	780 U	790 U
Acenaphthene	50000	100000	20000	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Acenaphthylene	41000	100000	100000	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Anthracene	50000	100000	100000	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Benzo(a)anthracene	224	1000	1000	370 U	360 U	210 J	380 U	370 U	370 U	380 U	390 U
Benzo(a)pyrene	61	1000	1000	370 U	360 U	170 J	380 U	370 U	370 U	380 U	390 U
Benzo(b)fluoranthene	1100	1000	1000	370 U	360 U	170 J	380 U	370 U	370 U	380 U	390 U
Benzo(g,h,i)perylene	50000	100000	100000	370 U	360 U	100 J	380 U	370 U	370 U	380 U	390 U
Benzo(k)fluoranthene	1100	3900	800	370 U	360 U	110 J	380 U	370 U	370 U	380 U	390 U
Bis(2-chloroethoxy)methane	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Bis(2-chloroethyl)ether	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Bis(2-ethylhexyl) phthalate	50000	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Butyl benzyl phthalate	50000	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Carbazole	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Chrysene	400	3900	1000	370 U	360 U	220 J	380 U	370 U	370 U	380 U	390 U
Dibenzo(a,h)anthracene	14	330	330	370 U	360 U	360 U	380 U	370 U	370 U	380 U	390 U
Dibenzofuran	6200	NS	7000	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Diethyl phthalate	7100	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Dimethyl phthalate	2000	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Di-n-butyl phthalate	8100	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Di-n-octyl phthalate	50000	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Fluoranthene	50000	100000	100000	370 U	360 U	350 J	170 J	370 U	370 U	120 J	390 U
Fluorene	50000	100000	30000	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Hexachlorobenzene	410	NS	330	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Hexachlorobutadiene	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Hexachlorocyclopentadiene	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Hexachloroethane	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Indeno(1,2,3-cd)pyrene	3200	500	500	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Isophorone	4400	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Naphthalene	13000	100000	12000	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Nitrobenzene	200	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
N-Nitrosodi-n-propylamine	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
N-Nitrosodiphenylamine	NS	NS	NS	370 U	360 U	380 U	380 U	370 U	370 U	380 U	390 U
Pentachlorophenol	1000	6700	800	760 U	740 U	770 U	770 U	750 U	750 U	780 U	790 U
Phenanthrene	50000	100000	100000	370 U	360 U	140 J	120 J	370 U	370 U	380 U	390 U
Phenol	30	100000	330	150 J	71 BJ	180 J	69 BJ	140 J	66 BJ	98 J	82 BJ
Pyrene	50000	100000	100000	370 U	360 U	380 U	140 J	370 U	370 U	110 J	390 U
TOTAL	500000			0	0	0	0	0	0	0	0

Notes:
Bold values indicate concentration exceeds the New York State Technical and Administrative Guid
Underline-indicates concentration exceeds NYSDEC Table 375 - 6 8(b) Protection of Public Health
NS-indicates No Standard
U-Not detected above indicated level
J-indicates estimated value
M-indicates manual intergrated compound

Table 6
Summary of Soil Sampling Results for Metals Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC	NYSDEC	NYSDEC	SB-1 (1-3)		SB-1 (6-8)		SB-17 (3-4)		SB-17 (6-8)		SB-12 (1-3)		SB-12 (6-8)		SB-11 (2-4)		SB-11 (6-8)		SB-14 (2-4)		SB-14 (6-8)	
Lab Sample Number	Recommended	Table 375	Table 375	G2225-01B		G2225-02B		G2225-03B		G2225-04B		G2225-05B		G2225-06B		G2225-07B		G2225-08B		G2225-09B		G2225-10B	
Sampling Date	Soil	Restricted	Unrestricted	11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008	
Sample Depth (feet)	Cleanup	Residential	SCO's	1-3		6-8		3-4		6-8		1-3		6-8		2-4		6-8		2-4		6-8	
Percent Solids	Objectives/			91		89		83		86		86		88		86		97		84		89	
Dilution Factor	Site			1		1		1		1		1		1		1		1		1		1	
Matrix	Background			Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Units	mg/kg	mg/kg	mg/kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Metals																							
Aluminum	33000	NS	NS	10600	E	11200	E	6850	E	18400	E	13000	E	1810	E	11400	E	772	E	13700	E	11200	E
Antimony	SB	NS	NS	0.59	BN	0.094	U	0.44	BN	0.57	BN	0.10	U	0.11	U	0.11	BN	0.12	U	0.23	BN	0.33	BN
Arsenic	7.5 or SB	16	13	5.8		1.6		4.9		1.3		4.0		0.21	U	2.6		0.23	U	5.6		0.65	B
Barium	300	400	350	153	*E	50.4	*E	150	*E	68.5	*E	45.9	*E	15.3	*E	57.6	*E	5.0	*E	61.3	*E	58.9	*E
Beryllium	0.16	72	7	0.81	E	0.64	E	0.62	E	0.0049	U	0.65	E	0.82	E	1.0	E	0.16	BE	0.73	E	0.0043	U
Cadmium	1	4.3	2.5	3.9		0.035	B	0.30		0.089	B	0.055	B	0.25		0.039	B	0.014	U	0.026	B	0.053	B
Calcium	130-35000	NS	NS	18100	*E	7840	*E	62300	*E	3410	*E	1400	*E	206000	*E	1350	*E	195000	*E	2360	*E	7490	*E
Chromium	10	180	30	18.0	*E	26.5	*E	12.5	*E	34.1	*E	16.8	*E	1.6	*E	26.8	*E	0.61	*E	18.3	*E	22.6	*E
Cobalt	30	NS	NS	8.6	*E	6.0	*E	4.4	*E	14.3	*E	7.0	*E	1.1	B*E	6.3	*E	0.036	U	12.5	*E	13.0	*E
Copper	25	270	50	412	N*E	50.8	*E	33.4	N*E	34.1	N*E	13.9	*E	10.8	N*E	21.9	N*E	3.5	*E	16.1	N*E	19.3	N*E
Iron	2000-550000	NS	NS	26000	*E	17500	*E	12600	*E	42600	*E	23700	*E	14300	*E	22300	*E	1840	*E	21900	*E	23600	*E
Lead	200-500****	400	63	325	*E	3.9	*E	454	*E	2.9	*E	11.6	*E	4.1	*E	6.5	*E	1.7	*E	12.0	*E	5.6	*E
Magnesium	100-5000*	NS	NS	12500	*E	6270	*E	20700	*E	10600	*E	3770	*E	126000	*E	5730	*E	116000	*E	4830	*E	9200	*E
Manganese	50-5000*	2000	1600	562	*E	290	*E	433	*E	275	*E	354	*E	551	*E	218	*E	169	*E	208	*E	304	*E
Mercury	0.1	0.81	0.18	0.86		0.0073	U	0.82		0.0083	U	0.019	B	0.0082	U	0.0083	U	0.0074	U	0.041	B	0.0078	U
Nickel	13	310	30	19.1	*E	15.7	*E	13.8	*E	22.9	*E	14.6	*E	0.86	B*E	16.6	*E	0.090	*E	20.4	*E	21.4	*E
Potassium	8500-43000**	NS	NS	1740	*E	1680	*E	1150	*E	4460	*E	670	*E	87.9	*E	2170	*E	121	*E	1270	*E	2510	*E
Selenium	2	180	4	0.64	U	0.76	B	0.54	U	0.57	U	0.44	U	0.45	U	0.48	U	0.50	U	0.59	U	0.50	U
Silver	SB	180	2	0.12	U	0.074	U	0.10	U	0.10	U	0.080	U	0.083	U	0.088	U	0.092	U	0.11	U	0.092	U
Sodium	6000-8000	NS	NS	1550	E	784	E	359	E	659	E	236	E	28.7	BE	116	E	26.0	BE	99.9	E	142	E
Thallium	SB	NS	NS	0.37	U	0.24	U	0.54	B	2.2		0.89		0.26	U	0.49	B	1.5		0.67	B	2.0	
Vanadium	150	NS	NS	23.3		36.8		28.1		58.4		21.3		10.4		30.3		1.9	B	23.1		30.9	
Zinc	20	10000	109	1250	E	30.2	E	186	E	34.7	E	38.5	E	14.7	E	47.5	E	5.0	E	52.2	E	62.6	E

Notes:
SB - Site Background
Italicized values indicate method detection limit exceeds criteria
Bold values indicate concentration exceeds the New York State Technical and Administrative Guidance Memorandum #4046 (TAGM 4046)-Recommendend Soil Cleanup Objectives
NS-indicates No Standard
Underline -indicates concentration exceeds NYSDEC Table 375 - 6.8(b) Protection of Public Health Unrestricted SCOs
** - Indicates New York State Background
**** - Indicates that background levels for lead vary widely. Average background levels in metropolitian or surburban areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (July 14, 1994) establis
U-Not detected above indicated level
B-indicates a trace concentration below the reporting limit
E- indicates estimated concentration due to the presence of interferences
N- matrix spike recovery falls outside the control limit

Table 6
Summary of Soil Sampling Results for Metals Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC	NYSDEC	NYSDEC	SB-5 (3-4)		SB-5 (7-8)		SB-19 (3-4)		SB-19 (6-8)		SB-7 (3-4)		SB-7 (6-8)		SB-8 (3-4)		SB-8 (5.5-8)		SB-10 (3-4)		SB-10 (6-8)		SB-15 (3-4)	
Lab Sample Number	Recommended	Table 375	Table 375	G2225-11B		G2225-12B		G2225-13B		G2225-14B		G2225-15B		G2225-16B		G2225-17B		G2225-18B		G2225-19B		G2225-20B		G2226-01B	
Sampling Date	Soil	Restricted	Unrestricted	11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008	
Sample Depth (feet)	Cleanup	Residential	SCO's	3-4		7-8		3-4		6-8		3-4		6-8		3-4		5.5-8		3-4		6-8		3-4	
Percent Solids	Objectives/			92		88		89		76		83		67		88		90		84		88		80	
Dilution Factor	Site			1		1		1		1		1		1		1		1		1		1		1	
Matrix	Background			Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Units	mg/kg	mg/kg	mg/kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Metals																									
Aluminum	33000	NS	NS	6710	E	10400	E	10800	E	9790	E	4610	E	10600	E	5840	E	11500	E	13600	E	15200	E	5600	
Antimony	SB	NS	NS	0.21	BN	0.61	N	0.29	BN	0.66	BN	0.60	BN	0.11	BN	0.28	BN	0.29	BN	0.11	BN	0.50	BN	0.55	BN
Arsenic	7.5 or SB	16	13	0.22	B	6.5		3.4		4.3		2.4		2.0		5.3		1.6		4.5		2.4		3.8	
Barium	300	400	350	36.2	*E	225	*E	112	*E	2870	*E	705	*E	46.1	*E	641	*E	59.8	*E	86.1	*E	47.3	*E	116	*
Beryllium	0.16	72	7	1.1	E	0.71	E	0.79	E	0.76	E	0.65	E	1.1	E	0.70	E	0.0031	U	0.61	E	1.2	E	0.56	
Cadmium	1	4.3	2.5	0.17		0.65		0.15	B	1.4		0.62		0.055	B	1.5		0.064	B	0.096	B	0.062	B	0.39	
Calcium	130-35000	NS	NS	**136000**	*E	6170	*E	13500	*E	**76400**	*E	**64300**	*E	4550	*E	**96500**	*E	2750	*E	3710	*E	1740	*E	51300	
Chromium	10	180	30	**10.2**	*E	**20.2**	*E	**16.7**	*E	**20.3**	*E	9.7	*E	**23.4**	*E	11.3	*E	**24.4**	*E	**17.3**	*E	**20.9**	*E	12.7	
Cobalt	30	NS	NS	3.2	*E	9.6	*E	6.6	*E	4.0	*E	3.9	*E	8.2	*E	2.8	*E	10.9	*E	7.3	*E	7.4	*E	4.8	
Copper	25	270	50	13.4	N*E	**51.6**	*E	20.0	N*E	**34.3**	N*E	17.8	N*E	20.6	N*E	38.2	N*E	30.5	N*E	**35.7**	N*E	20.2	N*E	57.4	
Iron	2000-550000	NS	NS	8930	*E	51700	*E	18900	*E	13000	*E	8780	*E	20700	*E	8410	*E	23000	*E	20100	*E	21100	*E	12900	
Lead	200-500****	400	63	23.3	*E	272	*E	244	*E	**3930**	*E	**945**	*E	6.8	*E	**668**	*E	7.6	*E	**311**	*E	6.7	*E	1460	
Magnesium	100-5000*	NS	NS	**87600**	*E	**6100**	*E	**9630**	*E	**26800**	*E	**16300**	*E	**6890**	*E	**38300**	*E	**5670**	*E	3780	*E	**21300**	*E	5950	
Manganese	50-5000*	2000	1600	320	*E	1200	*E	401	*E	219	*E	212	*E	383	*E	255	*E	353	*E	320	*E	410	*E	263	
Mercury	0.1	0.81	0.18	0.035	B	**1.1**		**0.71**		**1.0**		**0.68**		**0.22**		**0.78**		0.0069	U	**1.1**		0.0077	U	0.91	
Nickel	13	310	30	5.7	*E	**19.8**	*E	12.8	*E	9.4	*E	5.8	*E	**16.4**	*E	6.6	*E	**19.4**	*E	12.5	*E	**13.7**	*E	10.5	
Potassium	8500-43000**	NS	NS	1000	*E	1730	*E	1510	*E	1040	*E	714	*E	2510	*E	974	*E	3250	*E	869	*E	1850	*E	1460	
Selenium	2	180	4	0.36	U	0.35	U	0.55	U	0.77	U	0.57	U	0.86	B	0.66	U	0.36	U	0.93	B	0.66	U	0.61	U
Silver	SB	180	2	0.066	U	0.064	U	0.10	U	0.14	U	0.11	U	0.088	U	0.12	U	0.067	U	0.16	B	0.12	U	0.11	U
Sodium	6000-8000	NS	NS	562	E	198	E	341	E	154	E	133	E	213	E	260	E	109	E	160	E	83.4	E	384	
Thallium	SB	NS	NS	0.21	U	0.20	U	0.38	B	1.1	B	0.59	B	0.28	U	0.38	U	1.6		0.57	B	0.39	U	0.36	U
Vanadium	150	NS	NS	11.4		23.4		24.4		20.6		11.9		28.1		13.4		32.1		22.1		33.0		16.4	
Zinc	20	10000	109	**115**	E	**668**	E	**131**	E	**1690**	E	**867**	E	**56.0**	E	**709**	E	**61.0**	E	**105**	E	**65.0**	E	240	

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Table 6
Summary of Soil Sampling Results for Metals Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC	NYSDEC	NYSDEC	SB-15 (6-8)		SB-13 (2-4)		SB-13 (6-8)		SB-16 (2-4)		SB-16 (6.5-8)		SB-18 (3-4)		SB-18 (6-8)		SB-6 (2-4)		SB-6 (6-8)		SB-4 (2-4)		SB-4 (6-8)		SB-3 (2-4)	
Lab Sample Number	Recommended	Table 375	Table 375	G2226-02B		G2226-03B		G2226-04B		G2226-05B		G2226-06B		G2226-07B		G2226-08B		G2226-09B		G2226-10B		G2226-11B		G2226-12B		G2226-13B	
Sampling Date	Soil	Restricted	Unrestricted	11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/20/2008		11/20/2008		11/20/2008	
Sample Depth (feet)	Cleanup	Residential	SCO's	6-8		2-4		6-8		2-4		6.5-8		3-4		6-8		2-4		6-8		2-4		6-8		2-4	
Percent Solids	Objectives/			86		88		97		84		90		82		87		90		87		83		89		94	
Dilution Factor	Site			1		1		1		1		1		1		1		1		1		1		1		1	
Matrix	Background			Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Units	mg/kg	mg/kg	mg/kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Metals																											
Aluminum	33000	NS	NS	10600		10600		86.1		17800		9720		12800		11100		12600		12300		16500		8030		5550	
Antimony	SB	NS	NS	0.13	BN	0.13	U	0.12	U	0.16	U	0.13	BN	0.14	BN	0.27	BN	0.48	BN	0.44	BN	0.12	U	0.15	BN	0.30	BN
Arsenic	7.5 or SB	16	13	3.2		4.2		0.24	U	6.8		2.6		3.5		3.3		3.5		1.0		6.4		2.3		1.2	
Barium	300	400	350	66.3	*	36.6	*	3.1	B*	73.6	*	47.1	*	54.3	*	52.8	*	76.3	*	70.8	*	75.4	*	53.6	*	57.9	*
Beryllium	0.16	72	7	0.84		0.54		0.061	B	0.81		0.61		0.70		1.0		1.0		0.0042	U	0.79		0.79		0.80	
Cadmium	1	4.3	2.5	0.038	B	0.037	B	0.019	B	0.11	B	0.032	B	0.22	B	0.049	B	0.11	B	0.12	B	0.071	B	0.045	B	0.23	B
Calcium	130-35000	NS	NS	6200		1150		227000		1510		1220		3130		1880		1600		3120		1630		7460		109000	
Chromium	10	180	30	18.4		13.7		0.42	B	22.2		13.9		18.4		27.0		17.4		28.0		20.7		14.6		9.3	
Cobalt	30	NS	NS	9.0		7.1		0.036	U	10.6		7.2		8.1		10.4		8.5		15.8		6.3		7.4		4.0	
Copper	25	270	50	24.4		14.9		0.80	B	24.1		14.4		35.8		19.4		19.7		32.5		17.7		14.8		18.0	
Iron	2000-550000	NS	NS	23200		18400		1360		32100		14600		17600		22000		33200		26800		29500		15000		12400	
Lead	200-500****	400	63	8.8		10.4		2.2		13.3		6.7		128		5.6		4.7		7.9		22.9		9.5		72.3	
Magnesium	100-5000*	NS	NS	7760		3390		133000		4120		2840		4010		4290		4440		9030		4380		7090		66700	
Manganese	50-5000*	2000	1600	257		276		131		437		318		130		529		866		564		522		391		280	
Mercury	0.1	0.81	0.18	0.0077	B	0.014	B	0.0064	U	0.044	B	0.012	B	0.55		0.012	B	0.0082	B	0.0076	U	0.027	B	0.0071	U	0.047	
Nickel	13	310	30	19.3		13.4		0.066	U	17.2		12.8		14.4		14.1		15.7		26.5		16.2		15.1		10.0	
Potassium	8500-43000**	NS	NS	2210		805		29.7	B	1230		845		1250		1970		2610		2750		1040		2170		814	
Selenium	2	180	4	0.58	U	0.58	U	0.51	U	0.98	B	0.55	U	1.9		0.57	U	0.73	B	0.50	U	0.67	B	1.1	B	0.59	U
Silver	SB	180	2	0.11	U	0.11	U	0.093	U	0.13	U	0.10	U	0.11	U	0.10	U	0.12	U	0.091	U	0.097	U	0.12	U	0.11	U
Sodium	6000-8000	NS	NS	161		95.2		13.0	B	150		88.4		123		109		88.5		242		463		161		177	
Thallium	SB	NS	NS	0.34	U	0.57	B	0.30	U	1.3		0.32	U	0.64	B	0.33	U	0.39	U	0.90		0.31	U	0.37	U	2.0	
Vanadium	150	NS	NS	25.2		20.5		0.25	B	29.6		17.3		21.3		30.6		34.1		41.9		26.9		22.4		13.2	
Zinc	20	10000	109	49.8		32.0		6.9		83.9		26.1		97.5		32.8		37.5		86.4		51.4		44.9		144	

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Table 6
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400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC	NYSDEC	NYSDEC	SB-3 (7-8)		SB-20 (4-6)		SB-21 (4-6)		SB-22 (4-6)		SB-23 (6-8)		SB-23 (3-5)		DUPLICATE		SB-2 (2-4)		SB-2 (6-8)		SB-24 (2-4)		SB-24 (6-8)		SB-25 (3-4)	
Lab Sample Number	Recommended	Table 375	Table 375	G2226-14B		G2226-15B		G2226-16B		G2226-17B		G2226-18B		G2226-19B		G2226-20B		G2226-21B		G2226-22B		G2226-23B		G2226-24B		G2226-25B	
Sampling Date	Soil	Restricted	Unrestricted	11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008	
Sample Depth (feet)	Cleanup	Residential	SCO's	7-8		4-6		4-6		4-6		6-8		3-5				2-4		6-8		2-4		6-8		3-4	
Percent Solids	Objectives/			94		85		92		83		84		92		86		93		89		83		89		87	
Dilution Factor	Site			1		1		1		1		1		1		1		1		1		1		1		1	
Matrix	Background			Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Units	mg/kg	mg/kg	mg/kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Metals																											
Aluminum	33000	NS	NS	6360		13900		11100		12800		9380		5120		9360		7840		7320		14900		9630		10400	
Antimony	SB	NS	NS	0.24	BN	0.10	BN	0.079	U	0.12	U	0.12	U	0.98	N	0.14	U	0.29	BN	0.11	U	0.15	BN	0.12	BN	0.25	BN
Arsenic	7.5 or SB	16	13	2.0		5.2		2.4		7.6		4.0		7.4		1.1		4.9		2.2		7.5		1.0		2.0	
Barium	300	400	350	31.9	*	64.0	*	41.1	E	78.5	E	49.3	E	252	E	46.3	E	50.9	E	47.8	E	66.7	E	46.3	E	41.3	E
Beryllium	0.16	72	7	0.53		0.74		1.8	E	0.74	E	0.64	E	0.33	E	0.42	E	0.43	E	0.50	E	0.72	E	0.80	E	1.4	E
Cadmium	1	4.3	2.5	0.045	B	0.088	B	0.27		0.25		0.094	B	0.92		0.039	B	0.19	B	0.14	B	0.20	B	0.088	B	0.17	B
Calcium	130-35000	NS	NS	16300		1360		88400		1660		2150		22400		1590		1270		76400		1490		2660		47700	
Chromium	10	180	30	14.2		25.4		13.4		24.7		21.6		13.8		23.1		13.6		12.2		18.4		22.2		13.7	
Cobalt	30	NS	NS	4.2		8.5		6.2	E	10.4	E	5.2	E	21.0	E	4.0	E	6.0	E	6.1	E	12.1	E	8.4	E	6.3	E
Copper	25	270	50	12.8		16.5		27.3		18.5		14.3		138		15.3		12.4		16.2		19.4		23.3		14.4	
Iron	2000-550000	NS	NS	13600		26800		25800		35200		23800		27100		12100		26800		16800		35200		17500		20500	
Lead	200-500****	400	63	10.3		11.1		15.2	E	51.0	E	9.8	E	755	E	8.3	E	13.1	E	5.2	E	12.4	E	8.3	E	18.1	E
Magnesium	100-5000*	NS	NS	10700		3990		63000	E	3460	E	3490	E	6420	E	3460	E	1940	E	47500	E	3600	E	7000	E	38100	E
Manganese	50-5000*	2000	1600	165		306		601	E	710	E	103	E	262	E	93.9	E	602	E	394	E	436	E	205	E	447	E
Mercury	0.1	0.81	0.18	0.014	B	0.029	B	0.13	*	0.084	*	0.018	B*	1.2	*	0.013	B*	0.038	B*	0.0078	U	0.046	*	0.0071	U	0.071	*
Nickel	13	310	30	8.8		16.3		9.5	E	16.1	E	12.9	E	15.1	E	12.9	E	13.9	E	13.3	E	15.1	E	18.2	E	12.7	E
Potassium	8500-43000**	NS	NS	932		1200		1140		898		486		1000		794		670		1840		1040		2170		1400	
Selenium	2	180	4	0.65	B	0.45	U	0.58	B	0.54	U	0.53	U	0.43	U	0.58	U	0.47	U	0.70	B	0.65	U	0.52	U	0.58	U
Silver	SB	180	2	0.11	U	0.082	U	0.062	U	0.098	U	0.096	U	12.3		0.11	U	0.087	U	0.083	U	0.12	U	0.096	U	0.11	U
Sodium	6000-8000	NS	NS	109		92.9		397		107		89.7		220		86.2		118		189		73.9		137		108	
Thallium	SB	NS	NS	0.34	U	0.28	B	0.20	U	0.31	U	0.31	U	0.25	U	0.34	U	0.28	U	0.26	U	0.38	U	0.30	U	0.34	U
Vanadium	150	NS	NS	19.8		26.5		18.7		27.6		20.3		18.4		12.5		16.5		17.1		26.0		23.4		18.8	
Zinc	20	10000	109	51.4		39.7		31.5	E	53.2	E	41.6	E	533	E	38.8	E	43.5	E	33.0	E	40.6	E	74.4	E	46.5	E

Notes:
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Table 6
Summary of Soil Sampling Results for Metals Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC	NYSDEC	NYSDEC	SB-25 (6-8)		SB-9 (1-3)	
Lab Sample Number	Recommended	Table 375	Table 375	G2226-26B		G2226-27B	
Sampling Date	Soil	Restricted	Unrestricted	11/20/2008		11/20/2008	
Sample Depth (feet)	Cleanup	Residential	SCO's	6-8		1-3	
Percent Solids	Objectives/			89		85	
Dilution Factor	Site			1		1	
Matrix	Background			Solid		Solid	
Units	mg/kg	mg/kg	mg/kg	mg/Kg		mg/Kg	
Metals							
Aluminum	33000	NS	NS	7540		11200	
Antimony	SB	NS	NS	0.23	BN	0.22	BN
Arsenic	7.5 or SB	16	13	2.0		6.4	
Barium	300	400	350	44.6	E	166	E
Beryllium	0.16	72	7	0.50	E	0.58	E
Cadmium	1	4.3	2.5	0.11	B	0.20	B
Calcium	130-35000	NS	NS	1700		3650	
Chromium	10	180	30	14.4		15.4	
Cobalt	30	NS	NS	6.0	E	7.0	E
Copper	25	270	50	15.2		23.8	
Iron	2000-550000	NS	NS	13600		19400	
Lead	200-500****	400	63	5.3	E	324	E
Magnesium	100-5000*	NS	NS	4170	E	4440	E
Manganese	50-5000*	2000	1600	398	E	442	E
Mercury	0.1	0.81	0.18	0.0081	U	0.75	*
Nickel	13	310	30	14.0	E	13.1	E
Potassium	8500-43000**	NS	NS	1670		1340	
Selenium	2	180	4	0.61	U	0.49	U
Silver	SB	180	2	0.11	U	1.0	B
Sodium	6000-8000	NS	NS	96.1		198	
Thallium	SB	NS	NS	0.35	U	0.29	U
Vanadium	150	NS	NS	19.2		22.8	
Zinc	20	10000	109	32.5	E	151	E

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U-Not detected above indicated level
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N- matrix spike recovery falls outside the control limit

Table 7
Summary of Soil Sampling Results for Pesticides Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC	NYSDEC	NYSDEC	SB-1 (1-3)		SB-1 (6-8)		SB-17 (3-4)		SB-17 (6-8)		SB-12 (1-3)		SB-12 (6-8)		SB-11 (2-4)		SB-11 (6-8)		SB-14 (2-4)		SB-14 (6-8)		SB-5 (3-4)		SB-5 (7-8)	
Lab Sample Number	Recommended	Table 375	Table 375	G2225-01B		G2225-02B		G2225-03B		G2225-04B		G2225-05B		G2225-06B		G2225-07B		G2225-08B		G2225-09B		G2225-10B		G2225-11B		G2225-12B	
Sampling Date	Soil	Restricted	Unrestricted	11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008	
Sampling Depth (Feet)	Cleanup	Residential	SCO's	1-3		6-8		3-4		6-8		1-3		6-8		2-4		6-8		2-4		6-8		3-4		7-8	
Percent Solids	Objectives			91		89		83		86		86		88		86		97		84		89		92		88	
Dilution				1		1		1		1		1		1		1		1		1		1		1		1	
Matrix				Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Pesticides																											
4 4'-DDD	2900	13000	3.3	4.1	P	3.7	U	4.0	U	3.8	U	3.8	U	3.7	U	3.8	U	3.4	U	3.9	U	3.7	U	3.6	U	3.7	U
4 4'-DDE	2100	8900	3.3	3.6	U	3.7	U	4.0	U	3.8	U	3.8	U	3.7	U	3.8	U	3.4	U	3.9	U	3.7	U	3.6	U	3.7	U
4 4'-DDT	2100	7900	3.3	3.6	U	3.7	U	4.0	U	3.8	U	3.8	U	3.7	U	3.8	U	3.4	U	3.9	U	3.7	U	3.6	U	3.7	U
Aldrin	NS	97	5	1.8	U	1.9	U	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U	1.7	U	2.0	U	1.9	U	1.8	U	1.9	U
alpha-BHC	NS	480	20	1.8	U	1.9	U	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U	1.7	U	2.0	U	1.9	U	1.8	U	1.9	U
alpha-Chlordane	540*	4200	94	1.8	U	1.9	U	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U	1.7	U	2.0	U	1.9	U	1.8	U	1.9	U
beta-BHC	NS	360	36	1.8	U	1.9	U	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U	1.7	U	2.0	U	1.9	U	1.8	U	1.9	U
delta-BHC	300	100000	40	1.8	U	1.9	U	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U	1.7	U	2.0	U	1.9	U	1.8	U	1.9	U
Dieldrin	44	200	5	3.6	U	3.7	U	4.0	U	3.8	U	3.8	U	3.7	U	3.8	U	3.4	U	3.9	U	3.7	U	3.6	U	3.7	U
Endosulfan I	900	24000	2400	1.8	U	1.9	U	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U	1.7	U	2.0	U	1.9	U	1.8	U	1.9	U
Endosulfan II	900	24000	2400	3.6	U	3.7	U	4.0	U	3.8	U	3.8	U	3.7	U	3.8	U	3.4	U	3.9	U	3.7	U	3.6	U	3.7	U
Endosulfan sulfate	1000	24000	2400	3.6	U	3.7	U	4.0	U	3.8	U	3.8	U	3.7	U	3.8	U	3.4	U	3.9	U	3.7	U	3.6	U	3.7	U
Endrin	100	11000	14	3.6	U	3.7	U	4.0	U	3.8	U	3.8	U	3.7	U	3.8	U	3.4	U	3.9	U	3.7	U	3.6	U	3.7	U
Endrin aldehyde	NS	NS	NS	3.6	U	3.7	U	4.0	U	3.8	U	3.8	U	3.7	U	3.8	U	3.4	U	3.9	U	3.7	U	3.6	U	3.7	U
Endrin ketone	NS	NS	NS	4.4		3.7	U	4.0	U	3.8	U	3.8	U	3.7	U	3.8	U	3.4	U	3.9	U	3.7	U	3.6	U	3.7	U
gamma-BHC (Lindane)	60	NS	100	1.8	U	1.9	U	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U	1.7	U	2.0	U	1.9	U	1.8	U	1.9	U
gamma-Chlordane	540*	NS	NS	1.8	U	1.9	U	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U	1.7	U	2.0	U	1.9	U	1.8	U	1.9	U
Heptachlor	100	2100	42	1.8	U	1.9	U	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U	1.7	U	2.0	U	1.9	U	1.8	U	1.9	U
Heptachlor epoxide	20	NS	NS	1.8	U	1.9	U	2.0	U	2.0	U	2.0	U	1.9	U	2.0	U	1.7	U	2.0	U	1.9	U	1.8	U	1.9	U
Methoxychlor	10000	NS	NS	18	U	19	U	20	U	20	U	20	U	19	U	20	U	17	U	20	U	19	U	18	U	19	U
Toxaphene	NS	NS	NS	180	U	190	U	200	U	200	U	200	U	190	U	200	U	170	U	200	U	190	U	180	U	190	U

Notes:
Bold values indicate concentration exceeds the New York State Technical and Administrative Guidance Memorandum #4046 (TAGM 4046)-Recommended Soil Cleanup Objectives
Underline-indicates concentration exceeds NYSDEC Table 375 - 6.8(b) Protection of Public Health
* NYSDEC standard for Chlordane.
U-Not detected above indicated level
P-Difference of greater than 40% between primary and confirmation analysis, indicating intereference. Lower value is displayed

Table 7
Summary of Soil Sampling Results for Pesticides Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC	NYSDEC	NYSDEC	SB-19 (3-4)		SB-19 (6-8)		SB-7 (3-4)		SB-7 (6-8)		SB-8 (3-4)		SB-8 (5.5-8)		SB-10 (3-4)		SB-10 (6-8)		SB-15 (3-4)		SB-15 (6-8)		SB-13 (2-4)		SB-13 (6-8)	
Lab Sample Number	Recommended	Table 375	Table 375	G2225-13B		G2225-14B		G2225-15B		G2225-16B		G2225-17B		G2225-18B		G2225-19B		G2225-20B		G2226-01B		G2226-02B		G2226-03B		G2226-04B	
Sampling Date	Soil	Restricted	Unrestricted	11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008	
Sampling Depth (Feet)	Cleanup	Residential	SCO's	3-4		6-8		3-4		6-8		3-4		5.5-8		3-4		6-8		3-4		6-8		2-4		6-8	
Percent Solids	Objectives			89		76		83		87		88		90		84		88		80		86		88		97	
Dilution				1		1		1		1		1		1		1		1		1		1		1		1	
Matrix				Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Pesticides																											
4 4'-DDD	2900	13000	3.3	3.7	U	4.3	U	8.0		3.8	U	3.7	U	3.6	U	3.9	U	3.7	U	5.5	P	3.8	U	3.7	U	3.4	U
4 4'-DDE	2100	8900	3.3	3.7	U	4.3	U	3.9	U	3.8	U	3.7	U	3.6	U	3.9	U	3.7	U	4.1	U	3.8	U	3.7	U	3.4	U
4 4'-DDT	2100	7900	3.3	3.7	U	4.3	U	3.9	U	3.8	U	3.7	U	3.6	U	3.9	U	3.7	U	6.8		3.8	U	3.7	U	3.4	U
Aldrin	NS	97	5	1.9	U	2.2	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U	1.9	U	2.1	U	2.0	U	1.9	U	1.8	U
alpha-BHC	NS	480	20	1.9	U	2.2	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U	1.9	U	5.1		2.0	U	1.9	U	1.8	U
alpha-Chlordane	540*	4200	94	1.9	U	2.2	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U	1.9	U	2.9	P	2.0	U	1.9	U	1.8	U
beta-BHC	NS	360	36	1.9	U	2.2	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U	1.9	U	5.1	P	2.0	U	1.9	U	1.8	U
delta-BHC	300	100000	40	1.9	U	2.2	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U	1.9	U	2.1	U	2.0	U	1.9	U	1.8	U
Dieldrin	44	200	5	3.7	U	4.3	U	3.9	U	3.8	U	3.7	U	3.6	U	3.9	U	3.7	U	4.1	U	3.8	U	3.7	U	3.4	U
Endosulfan I	900	24000	2400	1.9	U	2.2	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U	1.9	U	2.1	U	2.0	U	1.9	U	1.8	U
Endosulfan II	900	24000	2400	3.7	U	4.3	U	3.9	U	3.8	U	3.7	U	3.6	U	3.9	U	3.7	U	4.1	U	3.8	U	3.7	U	3.4	U
Endosulfan sulfate	1000	24000	2400	3.7	U	4.3	U	3.9	U	3.8	U	3.7	U	3.6	U	3.9	U	3.7	U	4.1	U	4.6	P	3.7	U	3.4	U
Endrin	100	11000	14	3.7	U	4.3	U	3.9	U	3.8	U	3.7	U	3.6	U	3.9	U	3.7	U	4.1	U	3.8	U	3.7	U	3.4	U
Endrin aldehyde	NS	NS	NS	3.7	U	4.3	U	3.9	U	3.8	U	5.2		3.6	U	3.9	U	3.7	U	4.1	U	3.8	U	3.7	U	3.4	U
Endrin ketone	NS	NS	NS	3.7	U	4.3	U	4.4	P	3.8	U	3.7	U	3.6	U	3.9	U	3.7	U	4.1	U	9.9	P	3.7	U	3.4	U
gamma-BHC (Lindane)	60	NS	100	1.9	U	2.2	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U	1.9	U	2.1	U	2.0	U	1.9	U	1.8	U
gamma-Chlordane	540*	NS	NS	1.9	U	2.2	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U	1.9	U	2.5	P	2.0	U	1.9	U	1.8	U
Heptachlor	100	2100	42	1.9	U	2.2	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U	1.9	U	2.1	U	2.0	U	1.9	U	1.8	U
Heptachlor epoxide	20	NS	NS	1.9	U	2.2	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U	1.9	U	2.1	U	2.0	U	1.9	U	1.8	U
Methoxychlor	10000	NS	NS	19	U	39	P	20	U	19	U	19	U	19	U	20	U	19	U	21	U	20	U	19	U	18	U
Toxaphene	NS	NS	NS	190	U	220	U	200	U	190	U	190	U	190	U	200	U	190	U	210	U	200	U	190	U	180	U

Notes:
Bold values indicate concentration exceeds the New York State Technical and Administrative Guidance Memorandum #4046 (TAGM 4046)-Recommended Soil Cleanup Objectives
Underline-indicates concentration exceeds NYSDEC Table 375 - 6.8(b) Protection o
* NYSDEC standard for Chlordane.
U-Not detected above indicated level
P-Difference of greater than 40% between primary and confirmation analysis, indicating intereference. Lower value is displayed

Table 7
Summary of Soil Sampling Results for Pesticides Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC	NYSDEC	NYSDEC	SB-16 (2-4)		SB-16 (6.5-8)		SB-18 (3-4)		SB-18 (6-8)		SB-6 (2-4)		SB-6 (6-8)		SB-4 (2-4)		SB-4 (6-8)		SB-3 (2-4)		SB-3 (7-8)		SB-23 (6-8)		SB-23 (3-5)		DUPLICATE	
Lab Sample Number	Recommended	Table 375	Table 375	G2226-05B		G2226-06B		G2226-07B		G2226-08B		G2226-09B		G2226-10B		G2226-11B		G2226-12B		G2226-13B		G2226-14B		G2226-18B		G2226-19B		G2226-20B	
Sampling Date	Soil	Restricted	Unrestricted	11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008	
Sampling Depth (Feet)	Cleanup	Residential	SCO's	2-4		6.5-8		3-4		6-8		2-4		6-8		2-4		6-8		2-4		7-8		6-8		3-5			
Percent Solids	Objectives			84		90		82		87		90		87		83		89		94		94		85		92		83	
Dilution				1		1		1		1		1		1		1		1		1		1		1		1		1	
Matrix				Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Pesticides																													
4 4'-DDD	2900	13000	3.3	3.9	U	3.7	U	4.0	U	3.7	U	3.7	U	3.8	U	3.9	U	3.6	U	3.5	U	3.5	U	3.9	U	3.6	U	3.8	U
4 4'-DDE	2100	8900	3.3	3.9	U	3.7	U	4.0	U	3.7	U	3.7	U	3.8	U	3.9	U	3.6	U	3.5	U	3.5	U	3.9	U	3.6	U	3.8	U
4 4'-DDT	2100	7900	3.3	3.9	U	3.7	U	4.0	U	3.7	U	3.7	U	3.8	U	3.9	U	3.6	U	3.5	U	3.5	U	3.9	U	3.6	U	3.8	U
Aldrin	NS	97	5	2.0	U	1.9	U	2.1	U	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.8	U	1.8	U	2.0	U	1.8	U	1.9	U
alpha-BHC	NS	480	20	2.0	U	1.9	U	2.1	U	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.8	U	1.8	U	2.0	U	1.8	U	1.9	U
alpha-Chlordane	540*	4200	94	2.0	U	1.9	U	2.1	U	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.8	U	1.8	U	2.0	U	1.8	U	1.9	U
beta-BHC	NS	360	36	2.0	U	1.9	U	2.1	U	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.8	U	1.8	U	2.0	U	1.8	U	1.9	U
delta-BHC	300	100000	40	2.0	U	1.9	U	2.1	U	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.8	U	1.8	U	2.0	U	1.8	U	1.9	U
Dieldrin	44	200	5	3.9	U	3.7	U	4.0	U	3.7	U	3.7	U	3.8	U	3.9	U	3.6	U	3.5	U	3.5	U	3.9	U	3.6	U	3.8	U
Endosulfan I	900	24000	2400	2.0	U	1.9	U	2.1	U	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.8	U	1.8	U	2.0	U	1.8	U	1.9	U
Endosulfan II	900	24000	2400	3.9	U	3.7	U	4.0	U	3.7	U	3.7	U	3.8	U	3.9	U	3.6	U	3.5	U	3.5	U	3.9	U	3.6	U	3.8	U
Endosulfan sulfate	1000	24000	2400	3.9	U	3.7	U	5.0		3.7	U	3.7	U	3.8	U	3.9	U	3.6	U	3.5	U	3.5	U	3.9	U	3.6	U	3.8	U
Endrin	100	11000	14	3.9	U	3.7	U	4.0	U	3.7	U	3.7	U	3.8	U	3.9	U	3.6	U	3.5	U	3.5	U	3.9	U	3.6	U	3.8	U
Endrin aldehyde	NS	NS	NS	3.9	U	3.7	U	4.0	U	3.7	U	3.7	U	3.8	U	3.9	U	3.6	U	3.5	U	3.5	U	3.9	U	3.6	U	3.8	U
Endrin ketone	NS	NS	NS	3.9	U	3.7	U	4.0	U	3.7	U	3.7	U	3.8	U	3.9	U	3.6	U	3.5	U	3.5	U	3.9	U	4.8		3.8	U
gamma-BHC (Lindane)	60	NS	100	2.0	U	1.9	U	2.1	U	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.8	U	1.8	U	2.0	U	1.8	U	1.9	U
gamma-Chlordane	540*	NS	NS	2.0	U	1.9	U	2.1	U	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.8	U	1.8	U	2.0	U	1.8	U	1.9	U
Heptachlor	100	2100	42	2.0	U	1.9	U	2.1	U	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.8	U	1.8	U	2.0	U	1.8	U	1.9	U
Heptachlor epoxide	20	NS	NS	2.0	U	1.9	U	2.1	U	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.8	U	1.8	U	2.0	U	1.8	U	1.9	U
Methoxychlor	10000	NS	NS	20	U	19	U	21	U	19	U	19	U	20	U	20	U	19	U	18	U	18	U	20	U	18	U	19	U
Toxaphene	NS	NS	NS	200	U	190	U	210	U	190	U	190	U	200	U	200	U	190	U	180	U	180	U	200	U	180	U	190	U

Notes:
Bold values indicate concentration exceeds the New York State Technical and Administrative Guidance Memorandum #4046 (TAGM 4046)-Recommended Soil Cleanup Objectives
Underline-indicates concentration exceeds NYSDEC Table 375 - 6.8(b) Protection o
* NYSDEC standard for Chlordane
U-Not detected above indicated level
P-Difference of greater than 40% between primary and confirmation analysis, indicating intereference. Lower value is displayed

Table 7
Summary of Soil Sampling Results for Pesticides Analysis
400 Rider Avenue, Bronx, NY

Sample ID	NYSDEC	NYSDEC	NYSDEC	SB-2 (2-4)		SB-2 (6-8)		SB-24 (2-4)		SB-24 (6-8)		SB-25 (3-4)		SB-25 (6-8)		SB-9 (1-3)	
Lab Sample Number	Recommended	Table 375	Table 375	G2226-21B		G2226-22B		G2226-23B		G2226-24B		G2226-25B		G2226-26B		G2226-27B	
Sampling Date	Soil	Restricted	Unrestricted	11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008	
Sampling Depth (Feet)	Cleanup	Residential	SCO's	2-4		6-8		2-4		6-8		3-4		6-8		1-3	
Percent Solids	Objectives			84		92		86		93		89		83		89	
Dilution				1		1		1		1		1		1		1	
Matrix				Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Pesticides																	
4 4'-DDD	2900	13000	3.3	3.5	U	3.6	U	3.9	U	3.7	U	3.8	U	3.7	U	3.8	U
4 4'-DDE	2100	8900	3.3	3.5	U	3.6	U	3.9	U	3.7	U	3.8	U	3.7	U	3.8	U
4 4'-DDT	2100	7900	3.3	3.5	U	3.6	U	3.9	U	3.7	U	3.8	U	3.7	U	3.8	U
Aldrin	NS	97	5	1.8	U	1.9	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U
alpha-BHC	NS	480	20	1.8	U	1.9	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U
alpha-Chlordane	540*	4200	94	1.8	U	1.9	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U
beta-BHC	NS	360	36	1.8	U	1.9	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U
delta-BHC	300	100000	40	1.8	U	1.9	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U
Dieldrin	44	200	5	3.5	U	3.6	U	3.9	U	3.7	U	3.8	U	3.7	U	3.8	U
Endosulfan I	900	24000	2400	1.8	U	1.9	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U
Endosulfan II	900	24000	2400	3.5	U	3.6	U	3.9	U	3.7	U	3.8	U	3.7	U	3.8	U
Endosulfan sulfate	1000	24000	2400	3.5	U	3.6	U	3.9	U	3.7	U	3.8	U	3.7	U	3.8	U
Endrin	100	11000	14	3.5	U	3.6	U	3.9	U	3.7	U	3.8	U	3.7	U	3.8	U
Endrin aldehyde	NS	NS	NS	3.5	U	3.6	U	3.9	U	3.7	U	3.8	U	3.7	U	3.8	U
Endrin ketone	NS	NS	NS	3.5	U	3.6	U	3.9	U	3.7	U	3.8	U	3.7	U	3.8	U
gamma-BHC (Lindane)	60	NS	100	1.8	U	1.9	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U
gamma-Chlordane	540*	NS	NS	1.8	U	1.9	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U
Heptachlor	100	2100	42	1.8	U	1.9	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U
Heptachlor epoxide	20	NS	NS	1.8	U	1.9	U	2.0	U	1.9	U	1.9	U	1.9	U	2.0	U
Methoxychlor	10000	NS	NS	18	U	19	U	20	U	19	U	19	U	19	U	20	U
Toxaphene	NS	NS	NS	180	U	190	U	200	U	190	U	190	U	190	U	200	U

Notes:
Bold values indicate concentration exceeds the New York State Technical and Administrative Guidance Memorandum #4046 (TAGM 4046)-Recommended Soil Cleanup Objectives
Underline-indicates concentration exceeds NYSDEC Table 375 - 6 8(b) Protection o
* NYSDEC standard for Chlordane.
U-Not detected above indicated level
P-Difference of greater than 40% between primary and confirmation analysis, indicating intereference. Lower value is displayed

Table 8
Summary of Soil Sampling Results for PCB Analysis
400 Rider Avenue, Bronx, NY

Sample ID Lab Sample Number Sampling Date Sampling Depth (Feet) Matrix Units	NYSDEC Recommended Soil Cleanup Objectives ug/Kg	NYSDEC Table 375 Restricted Residential ug/Kg	NYSDEC Table 375 Unrestricted SCO's ug/Kg	SB-1 (1-3) G2225-01B 11/19/2008 1-3 Solid ug/Kg		SB-1 (6-8) G2225-02B 11/19/2008 6-8 Solid ug/Kg		SB-17 (3-4) G2225-03B 11/19/2008 3-4 Solid ug/Kg		SB-17 (6-8) G2225-04B 11/19/2008 6-8 Solid ug/Kg		SB-12 (1-3) G2225-05B 11/19/2008 1-3 Solid ug/Kg		SB-12 (6-8) G2225-06B 11/19/2008 6-8 Solid ug/Kg		SB-11 (2-4) G2225-07B 11/19/2008 2-4 Solid ug/Kg		SB-11 (6-8) G2225-08B 11/19/2008 6-8 Solid ug/Kg		SB-14 (2-4) G2225-09B 11/19/2008 2-4 Solid ug/Kg		SB-14 (6-8) G2225-10B 11/19/2008 6-8 Solid ug/Kg		SB-5 (3-4) G2225-11B 11/19/2008 3-4 Solid ug/Kg		SB-5 (7-8) G2225-12B 11/19/2008 7-8 Solid ug/Kg		SB-19 (3-4) G2225-13B 11/19/2008 3-4 Solid ug/Kg		SB-19 (6-8) G2225-14B 11/19/2008 6-8 Solid ug/Kg		SB-7 (3-4) G2225-15B 11/19/2008 3-4 Solid ug/Kg		SB-7 (6-8) G2225-16B 11/19/2008 6-8 Solid ug/Kg	
PCBs																																	
Aroclor 1016	NS	1000	100	36	U	37	U	40	U	38	U	38	U	37	U	38	U	34	U	39	U	37	U	36	U	37	U	37	U	43	U	39	U	38	U
Aroclor 1221	NS	1000	100	36	U	37	U	40	U	38	U	38	U	37	U	38	U	34	U	39	U	37	U	36	U	37	U	37	U	43	U	39	U	38	U
Aroclor 1232	NS	1000	100	36	U	37	U	40	U	38	U	38	U	37	U	38	U	34	U	39	U	37	U	36	U	37	U	37	U	43	U	39	U	38	U
Aroclor 1242	NS	1000	100	36	U	37	U	40	U	38	U	38	U	37	U	38	U	34	U	39	U	37	U	36	U	37	U	37	U	43	U	39	U	38	U
Aroclor 1248	NS	1000	100	36	U	37	U	40	U	38	U	38	U	37	U	38	U	34	U	39	U	37	U	36	U	37	U	37	U	43	U	39	U	38	U
Aroclor 1254	NS	1000	100	36	U	37	U	40	U	38	U	38	U	37	U	38	U	34	U	39	U	37	U	36	U	37	U	37	U	43	U	39	U	38	U
Aroclor 1260	NS	1000	100	36	U	37	U	40	U	38	U	38	U	37	U	38	U	34	U	39	U	37	U	36	U	37	U	37	U	43	U	39	U	38	U
Total PCBs	1000/10000*	1000	100	252	U	259	U	280	U	266	U	266	U	259	U	266	U	238	U	273	U	259	U	252	U	259	U	259	U	301	U	273	U	266	U

Notes:
Bold values indicate concentration exceeds the New York State Technical and Administrative Guidance Memorandum #4046 (TAGM 4046)- Recommendend Soil Cleanup Objectives
* 1000 ug/Kg surface / 10000 ug/Kg subsurface
NS-indicates No Standard
J-indicates estimated value
U-Not detected above indicated level
Underline-indicates concentration exceeds NYSDEC Table 375 - 6.8(b) Protection of Public Health
M-indicates manual intergrated compound

Table 8
Summary of Soil Sampling Results for PCB Analysis
400 Rider Avenue, Bronx, NY

Sample ID Lab Sample Number Sampling Date Sampling Depth (Feet) Matrix Units	NYSDEC Recommended Soil Cleanup Objectives ug/Kg	NYSDEC Table 375 Restricted Residential ug/Kg	NYSDEC Table 375 Unrestricted SCO's ug/Kg	SB-8 (3-4) G2225-17B 11/19/2008 3-4 Solid ug/Kg		SB-8 (5.5-8) G2225-18B 11/19/2008 5.5-8 Solid ug/Kg		SB-10 (3-4) G2225-19B 11/19/2008 3-4 Solid ug/Kg		SB-10 (6-8) G2225-20B 11/19/2008 6-8 Solid ug/Kg		SB-15 (3-4) G2226-01B 11/19/2008 3-4 Solid ug/Kg		SB-15 (6-8) G2226-02B 11/19/2008 6-8 Solid ug/Kg		SB-13 (2-4) G2226-03B 11/19/2008 2-4 Solid ug/Kg		SB-13 (6-8) G2226-04B 11/19/2008 6-8 Solid ug/Kg		SB-16 (2-4) G2226-05B 11/19/2008 2-4 Solid ug/Kg		SB-16 (6.5-8) G2226-06B 11/19/2008 6.5-8 Solid ug/Kg		SB-18 (3-4) G2226-07B 11/19/2008 3-4 Solid ug/Kg		SB-18 (6-8) G2226-08B 11/19/2008 6-8 Solid ug/Kg		SB-6 (2-4) G2226-09B 11/19/2008 2-4 Solid ug/Kg		SB-6 (6-8) G2226-10B 11/19/2008 6-8 Solid ug/Kg		SB-4 (2-4) G2226-11B 11/20/2008 2-4 Solid ug/Kg	
PCBs																															
Aroclor 1016	NS	1000	100	37	U	36	U	39	U	37	U	41	U	38	U	37	U	34	U	39	U	37	U	40	U	37	U	37	U	38	U	39	U
Aroclor 1221	NS	1000	100	37	U	36	U	39	U	37	U	41	U	38	U	37	U	34	U	39	U	37	U	40	U	37	U	37	U	38	U	39	U
Aroclor 1232	NS	1000	100	37	U	36	U	39	U	37	U	41	U	38	U	37	U	34	U	39	U	37	U	40	U	37	U	37	U	38	U	39	U
Aroclor 1242	NS	1000	100	37	U	36	U	39	U	37	U	41	U	38	U	37	U	34	U	39	U	37	U	40	U	37	U	37	U	38	U	39	U
Aroclor 1248	NS	1000	100	37	U	36	U	39	U	37	U	41	U	38	U	37	U	34	U	39	U	37	U	40	U	37	U	37	U	38	U	39	U
Aroclor 1254	NS	1000	100	37	U	36	U	39	U	37	U	41	U	38	U	37	U	34	U	39	U	37	U	40	U	37	U	37	U	38	U	39	U
Aroclor 1260	NS	1000	100	37	U	36	U	39	U	37	U	41	U	38	U	37	U	34	U	39	U	37	U	40	U	37	U	37	U	38	U	39	U
Total PCBs	1000/10000*	1000	100	259	U	252	U	273	U	259	U	287	U	266	U	259	U	238	U	273	U	259	U	280	U	259	U	259	U	266	U	273	U

Notes:
Bold values indicate concentration exceeds the New York State Technical and Administrative Guidance Memorandum #4046 (TAGM 4046)-Recommendend Soil Cleanup Objectives
* 1000 ug/Kg surface / 10000 ug/Kg subsurface
NS-indicates No Standard
J-indicates estimated value
U-Not detected above indicated level
Underline-indicates concentration exceeds NYSDEC Table 375 - 6.8(b) Protection of Pu
M-indicates manual intergrated compound

Table 8
Summary of Soil Sampling Results for PCB Analysis
400 Rider Avenue, Bronx, NY

Sample ID Lab Sample Number Sampling Date Sampling Depth (Feet) Matrix Units	NYSDEC Recommended Soil Cleanup Objectives ug/Kg	NYSDEC Table 375 Restricted Residential ug/Kg	NYSDEC Table 375 Unrestricted SCO's ug/Kg	SB-4 (6-8) G2226-12B 11/20/2008 6-8 Solid ug/Kg		SB-3 (2-4) G2226-13B 11/20/2008 2-4 Solid ug/Kg		SB-3 (7-8) G2226-14B 11/20/2008 7-8 Solid ug/Kg		SB-23 (6-8) G2226-18B 11/20/2008 6-8 Solid ug/Kg		SB-23 (3-5) G2226-19B 11/20/2008 3-5 Solid ug/Kg		DUPLICATE G2226-20B 11/20/2008 Solid ug/Kg		SB-2 (2-4) G2226-21B 11/20/2008 2-4 Solid ug/Kg		SB-2 (6-8) G2226-22B 11/20/2008 6-8 Solid ug/Kg		SB-24 (2-4) G2226-23B 11/20/2008 2-4 Solid ug/Kg		SB-24 (6-8) G2226-24B 11/20/2008 6-8 Solid ug/Kg		SB-25 (3-4) G2226-25B 11/20/2008 3-4 Solid ug/Kg		SB-25 (6-8) G2226-26B 11/20/2008 6-8 Solid ug/Kg		SB-9 (1-3) G2226-27B 11/20/2008 1-3 Solid ug/Kg	
PCBs																													
Aroclor 1016	NS	1000	100	36	U	35	U	35	U	39	U	36	U	38	U	35	U	36	U	39	U	37	U	38	U	37	U	38	U
Aroclor 1221	NS	1000	100	36	U	35	U	35	U	39	U	36	U	38	U	35	U	36	U	39	U	37	U	38	U	37	U	38	U
Aroclor 1232	NS	1000	100	36	U	35	U	35	U	39	U	36	U	38	U	35	U	36	U	39	U	37	U	38	U	37	U	38	U
Aroclor 1242	NS	1000	100	36	U	35	U	35	U	39	U	36	U	38	U	35	U	36	U	39	U	37	U	38	U	37	U	38	U
Aroclor 1248	NS	1000	100	36	U	49		35	U	39	U	36	U	38	U	35	U	36	U	39	U	37	U	38	U	37	U	38	U
Aroclor 1254	NS	1000	100	36	U	35	U	35	U	39	U	36	U	38	U	35	U	36	U	39	U	37	U	38	U	37	U	38	U
Aroclor 1260	NS	1000	100	36	U	35	U	35	U	39	U	36	U	38	U	35	U	36	U	39	U	37	U	38	U	37	U	38	U
Total PCBs	1000/10000*	1000	100	252	U	259	U	245	U	273	U	252	U	266	U	245	U	252	U	273	U	259	U	266	U	259	U	266	U

Notes:
Bold values indicate concentration exceeds the New York State Technical and Administrative Guidance Memorandum #4046 (TAGM 4046)-Recommendend Soil Cleanup Objectives
* 1000 ug/Kg surface / 10000 ug/Kg subsurface
NS-indicates No Standard
J-indicates estimated value
U-Not detected above indicated level
Underline-indicates concentration exceeds NYSDEC Table 375 - 6.8(b) Protection of Pu
M-indicates manual intergrated compound

Table 9
Summary of Ground Water Sampling Results for VOC Analysis
400 Rider Avenue
Bronx, NY

Sample ID Lab Sample Number Sampling Date Dilution Matrix Units	NYSDEC TOGS ug/L	ELM-MW1 G2227-01C 11/25/2008 ug/L		ELM-MW2 G2227-02C 11/25/2008 ug/L		ELM-MW4 G2227-03C 11/25/2008 ug/L		ELM-MW3 G2227-04C 11/25/2008 ug/L		TRIP BLANK G2227-05A 11/25/2008 ug/L	
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,1-Trichloroethane	5	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2,2-Tetrachloroethane	5	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2-Trichloroethane	NS	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-Dichloroethane	5	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-Dichloroethene	NS	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-Dichloropropene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,3-Trichlorobenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,3-Trichloropropane		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,4-Trichlorobenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,4-Trimethylbenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromo-3-chloropropane		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dichlorobenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dichloroethane	5	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dichloropropane	NS	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,3,5-Trimethylbenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,3-Dichlorobenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,3-Dichloropropane		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,4-Dichlorobenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,2-Dichloropropane		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Butanone	50	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Chlorotoluene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Hexanone	NS	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Chlorotoluene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Isopropyltoluene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	50	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	0.7	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Bromobenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Bromochloromethane		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Bromodichloromethane	NS	5.0	U	9.9		5.0	U	5.0	U	5.0	U
Bromoform	NS	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Bromomethane	NS	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Carbon disulfide	50	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Carbon tetrachloride	5	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Chlorobenzene	5	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Chloroethane	50	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Chloroform	7	5.0	U	**61**		5.0	U	5.0	U	5.0	U
Chloromethane	NS	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
cis-1,2-Dichloroethene	NS	4.6	J	5.0	U	5.0	U	5.0	U	5.0	U
cis-1,3-Dichloropropene	NS	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	50	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Dibromomethane		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Dichlorodifluoromethane		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Ethylbenzene	5	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Hexachlorobutadiene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Iodomethane		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Isopropylbenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
m,p-Xylene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl tert-butyl ether		4.1	J	5.0	U	5.0	U	5.0	U	5.0	U
Methylene chloride	5	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Naphthalene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
n-Butylbenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
n-Propylbenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
o-Xylene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
sec-Butylbenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Styrene	NS	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
tert-Butylbenzene		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Tetrachloroethene	5	**41**		5.0	U	**9.6**		1.0	J	5.0	U
Toluene	5	2.0	J	5.0	U	5.0	U	5.0	U	5.0	U
trans-1,2-Dichloroethene	5	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
trans-1,3-Dichloropropene	NS	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Trichloroethene	5	3.6	J	5.0	U	**20**		5.0	U	5.0	U
Trichlorofluoromethane		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Vinyl acetate		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Vinyl chloride	2	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Xylene (Total)	5	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

Notes:
Bold values indicate concentration exceeds NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values.
NS - indicates No Standard
* - LCS or LCSD exceeds the control limits
U - Not detected above indicated level
J - indicates estimated value

Table 10
Summary of Ground Water Sampling Results for SVOC Analysis
400 Rider Avenue
Bronx, NY

Sample ID Lab Sample Number Sampling Date Dilution Matrix Units	NYSDEC TOGS ug/L	ELM-MW1 G2227-01C 11/25/2008 ug/L		ELM-MW2 G2227-02C 11/25/2008 ug/L		ELM-MW4 G2227-03C 11/25/2008 ug/L		ELM-MW3 G2227-04C 11/25/2008 ug/L	
Semivolatile Organic Compounds									
1,2,4-Trichlorobenzene		10	U	10	U	10	U	10	U
1,2-Dichlorobenzene		10	U	10	U	10	U	10	U
1,3-Dichlorobenzene		10	U	10	U	10	U	10	U
1,4-Dichlorobenzene		10	U	10	U	10	U	10	U
2,2´-oxybis(1-Chloropropane)		10	U	10	U	10	U	10	U
2,4,5-Trichlorophenol		20	U	20	U	20	U	20	U
2,4,6-Trichlorophenol		10	U	10	U	10	U	10	U
2,4-Dichlorophenol		10	U	10	U	10	U	10	U
2,4-Dimethylphenol		10	U	10	U	10	U	10	U
2,4-Dinitrophenol		20	U	20	U	20	U	20	U
2,4-Dinitrotoluene		10	U	10	U	10	U	10	U
2,6-Dinitrotoluene		10	U	10	U	10	U	10	U
2-Chloronaphthalene		10	U	10	U	10	U	10	U
2-Chlorophenol		10	U	10	U	10	U	10	U
2-Methylnaphthalene	10	10	U	10	U	10	U	10	U
2-Methylphenol		10	U	10	U	10	U	10	U
2-Nitroaniline		20	U	20	U	20	U	20	U
2-Nitrophenol		10	U	10	U	10	U	10	U
3,3´-Dichlorobenzidine		10	U	10	U	10	U	10	U
3-Nitroaniline		20	U	20	U	20	U	20	U
4,6-Dinitro-2-methylphenol		20	U	20	U	20	U	20	U
4-Bromophenyl-phenylether		10	U	10	U	10	U	10	U
4-Chloro-3-methylphenol		10	U	10	U	10	U	10	U
4-Chloroaniline		10	U	10	U	10	U	10	U
4-Chlorophenyl-phenylether		10	U	10	U	10	U	10	U
4-Methylphenol		10	U	10	U	10	U	10	U
4-Nitroaniline		20	U	20	U	20	U	20	U
4-Nitrophenol		20	U	20	U	20	U	20	U
Acenaphthene	50	10	U	10	U	10	U	10	U
Acenaphthylene	0.002	10	U	10	U	10	U	10	U
Anthracene	50	10	U	10	U	10	U	10	U
Benzo(a)anthracene	10	10	U	10	U	10	U	10	U
Benzo(a)pyrene	50	10	U	10	U	10	U	10	U
Benzo(b)fluoranthene	50	10	U	10	U	10	U	10	U
Benzo(g,h,i)perylene	20	10	U	10	U	10	U	10	U
Benzo(k)fluoranthene	20	10	U	10	U	10	U	10	U
Bis(2-chloroethoxy)methane		10	U	10	U	10	U	10	U
Bis(2-chloroethyl)ether		10	U	10	U	10	U	10	U
Bis(2-ethylhexyl)phthalate		10	U	10	U	10	U	10	U
Butylbenzylphthalate		10	U	1.1	J	10	U	10	U
Carbazole		10	U	10	U	10	U	10	U
Chrysene	0.002	10	U	10	U	10	U	10	U
Di-n-butylphthalate		10	U	10	U	10	U	10	U
Di-n-octylphthalate		10	U	10	U	10	U	10	U
Dibenzo(a,h)anthracene	50	10	U	10	U	10	U	10	U
Dibenzofuran		10	U	10	U	10	U	10	U
Diethylphthalate		10	U	10	U	10	U	10	U
Dimethylphthalate		10	U	10	U	10	U	10	U
Fluoranthene	10	10	U	10	U	10	U	10	U
Fluorene	50	10	U	10	U	10	U	10	U
Hexachlorobenzene		10	U	10	U	10	U	10	U
Hexachlorobutadiene		10	U	10	U	10	U	10	U
Hexachlorocyclopentadiene		10	U	10	U	10	U	10	U
Hexachloroethane		10	U	10	U	10	U	10	U
Indeno(1,2,3-cd)pyrene	0.002	10	U	10	U	10	U	10	U
Isophorone		10	U	10	U	10	U	10	U
N-Nitroso-di-n-propylamine		10	U	10	U	10	U	10	U
N-Nitrosodiphenylamine		10	U	10	U	10	U	10	U
Naphthalene	0.002	10	U	10	U	10	U	10	U
Nitrobenzene		10	U	10	U	10	U	10	U
Pentachlorophenol		20	U	20	U	20	U	20	U
Phenanthrene	50	10	U	10	U	10	U	10	U
Phenol		10	U	10	U	10	U	10	U
Pyrene	0.002	10	U	10	U	10	U	10	U

Notes:
Bold values indicate concentration exceeds NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values.
NS - indicates No Standard
U - Not detected above indicated level
J - indicates estimated value

Table 11
Summary of Ground Water Sampling Results for Metals Analysis
400 Rider Avenue
Bronx, NY

Sample ID Lab Sample Number Sampling Date Dilution* Matrix Units	NYSDEC TOGS ug/L	ELM-MW1 G2227-01C 11/25/2008 ug/L		ELM-MW2 G2227-02C 11/25/2008 ug/L		ELM-MW4 G2227-03C 11/25/2008 ug/L		ELM-MW3 G2227-04C 11/25/2008 ug/L	
Metals									
Aluminum	NS	2250		697		426		93.9	B
Antimony	3	4.6	U	4.6	U	4.6	U	4.6	U
Arsenic	25	5.3	U	5.3	U	5.3	U	5.3	U
Barium	1,000	103	B	84.2	B	50.7	B	48.1	B
Beryllium	3	1.2	B	0.13	U	0.55	B	0.13	U
Cadmium	5	0.14	U	0.14	U	0.14	U	0.14	U
Calcium	NS	191000		48900		125000		114000	
Chromium	50	5.0	B	2.4	B	1.6	B	1.5	B
Cobalt	NS	5.8	B	2.0	B	6.5	B	1.2	B
Copper	NS	9.8	B	9.8	B	5.0	U	5.0	U
Iron	300	**5500**		**1690**		**823**		**343**	
Lead	25	4.3	B	**33.5**		3.2	B	2.2	U
Magnesium	35000	**100000**		11600		**61700**		**49300**	
Manganese	300	**1100**		173		**1120**		253	
Mercury*	0.7	0.016	U	0.025	B	0.016	U	0.016	U
Nickel	100	7.9	B	2.6	B	7.6	B	2.0	B
Potassium	NS	5800		2640		5350		9340	
Selenium	10	6.6	U	6.6	U	6.6	U	6.6	U
Silver	50	2.2	B	2.1	B	0.98	B	0.75	B
Sodium	20000	**66200**		**33900**		**39800**		**69000**	
Thallium	0.5	4.2	U	4.2	U	4.2	U	4.2	U
Vanadium	NS	6.3	B	3.3	B	0.99	B	1.2	B
Zinc	2000	36.0	B	46.9	B	24.2	B	23.6	B

Notes:
Bold values indicate concentration exceeds NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values.
NS - indicates No Standard
U - Not detected above indicated level
B - An estimated value below the reporting limit

Table 12
Summary of Ground Water Sampling Results for PCB Analysis
400 Rider Avenue
Bronx, NY

Sample ID **Lab Sample Number** **Sampling Date** **Dilution** **Matrix** **Units**	**NYSDEC TOGS** **ug/L**	ELM-MW1 G2227-01C 11/25/2008 **ug/L**		ELM-MW2 G2227-02C 11/25/2008 **ug/L**		ELM-MW4 G2227-03C 11/25/2008 **ug/L**		ELM-MW3 G2227-04C 11/25/2008 **ug/L**	
PCBs									
Aroclor 1016	NS	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1221	NS	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1232	NS	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1242	NS	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1248	NS	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1254	NS	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor 1260	NS	1.0	U	1.0	U	1.0	U	1.0	U
Total PCBs	0.1								

Notes:
Bold values indicate concentration exceeds NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values.
NS - indicates No Standard
U - Not detected above indicated level
J - indicates estimated value

Table 13
Summary of Ground Water Sampling Results for Pesticides
400 Rider Avenue
Bronx, NY

Sample ID Lab Sample Number Sampling Date Dilution* Matrix Units	NYSDEC TOGS ug/L	ELM-MW1 G2227-01C 11/25/2008 ug/L		ELM-MW2 G2227-02C 11/25/2008 ug/L		ELM-MW4 G2227-03C 11/25/2008 ug/L		ELM-MW3 G2227-04C 11/25/2008 ug/L	
Pesticides									
4,4'-DDD	NS	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDE	NS	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	NS	0.10	U	0.10	U	0.10	U	0.10	U
Aldrin	ND	0.050	U	0.050	U	0.050	U	0.050	U
alpha-BHC	NS	0.050	U	0.050	U	0.050	U	0.050	U
alpha-Chlordane	0.05	0.050	U	0.050	U	0.050	U	0.050	U
beta-BHC	NS	0.050	U	0.050	U	0.050	U	0.050	U
delta-BHC	NS	0.050	U	0.050	U	0.050	U	0.050	U
Dieldrin	0.004	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan I	NS	0.050	U	0.050	U	0.050	U	0.050	U
Endosulfan II	NS	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan sulfate	NS	0.10	U	0.10	U	0.10	U	0.10	U
Endrin	ND	0.10	U	0.10	U	0.10	U	0.10	U
Endrin aldehyde	**	0.10	U	0.11		0.10	U	0.10	U
Endrin ketone	**	0.10	U	0.10	U	0.10	U	0.10	U
gamma-BHC (Lindane)	NS	0.050	U	0.050	U	0.050	U	0.050	U
gamma-Chlordane	0.05	0.050	U	0.050	U	0.050	U	0.050	U
Heptachlor	0.04	0.050	U	0.050	U	0.050	U	0.050	U
Heptachlor epoxide	0.03	0.050	U	0.050	U	0.050	U	0.050	U
Methoxychlor	35	0.50	U	0.50	U	0.50	U	0.50	U
Toxaphene	0.06	5.0	U	5.0	U	5.0	U	5.0	U

Notes:
Bold values indicate concentration exceeds NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values.
NS - indicates No Standard
ND - Not detectable by the analytical tests specified or approved pursuant to Part 700 of this Title.
U - Not detected above indicated level
J - Sample result is greater than the MDL but below the CRDL
** - The principle organic contaminant standard for groundwater of 5 ug/L applies to this substance.

V

Page _____ of _____

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1805 Atlantic Ave
CITY	Manasquan
STATE	NJ
ZIP	08736

PROJECT	400 Rider Street
CONTACT	Doug Harm
PHONE	732-223-7225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1201593	S-1A	1	S		2-28-12 0945	X			TCL / TAL
1201594	S-1B	1	S		1000	X			↓

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: Standard (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☑ NO ☐ TEMPERATURE: 4°

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton	[signature]	John Iracci	[signature]	AAR	3/1/12	10:15	AN
John Iracci	[signature]	Tasoula [signature]	[signature]	AAR	3/1/12	14:10	[signature]

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: [signature]

COMMENTS:

AAR QUOTE #	
AAR CASE #	1565
P.O. #	10BR020

See Reverse for Instructions

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1565
Project: 400 Rider Street

CLIENT SAMPLE NO
S-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 5 Unit: G
Level: (low/med) LOW
% Moisture: 12.1
GC Column: Rtx-624 ID: 0.18 (mm)
Soil Extract Volume: 1 (µL)

Lab Sample ID: 1201593
Lab File ID: A8469.D
Date Collected: 02/29/2012
Date Analyzed: 03/08/2012
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6.8	11
107-13-1	Acrylonitrile	ND	U	2.3	11
67-64-1	Acetone	50		1.1	2.3
75-71-8	Dichlorodifluoromethane	ND	U	1.1	2.3
74-87-3	Chloromethane	ND	U	1.1	2.3
75-01-4	Vinyl Chloride	ND	U	1.1	2.3
74-83-9	Bromomethane	ND	U	1.1	2.3
75-00-3	Chloroethane	ND	U	1.1	2.3
75-69-4	Trichoroflouromethane	ND	U	1.1	2.3
76-13-1	Freon-113	ND	U	1.1	2.3
75-35-4	1,1-Dichloroethene	ND	U	1.1	2.3
75-15-0	Carbon disulfide	ND	U	1.1	2.3
79-20-9	Methyl Acetate	ND	U	1.1	2.3
75-09-2	Methylene Chloride	13	B	1.1	2.3
156-60-5	trans-1,2-Dichloroethene	ND	U	1.1	2.3
75-34-3	1,1-Dichloroethane	ND	U	1.1	2.3
789-33-3	2-Butanone	ND	U	1.1	2.3
156-59-2	cis-1,2-Dichloroethene	ND	U	1.1	2.3
67-66-3	Chloroform	ND	U	1.1	2.3
74-97-5	Bromochloromethane	ND	U	1.1	2.3
110-82-7	Cyclohexane	ND	U	1.1	2.3
71-55-6	1,1,1-Trichloroethane	ND	U	1.1	2.3
75-65-0	T-butyl alcohol	ND	U	5.7	23
56-23-5	Carbon Tetrachloride	ND	U	1.1	2.3
107-06-2	1,2-Dichloroethane	ND	U	1.1	2.3
71-43-2	Benzene	ND	U	1.1	2.3
79-01-6	Trichloroethene	ND	U	1.1	2.3
108-87-2	Methylcyclohexane	ND	U	1.1	2.3
78-87-5	1,2-Dichloropropane	ND	U	1.1	2.3
75-27-4	Bromodichloromethane	ND	U	1.1	2.3
10061-01-5	cis-1,3-dichloropropene	ND	U	1.1	2.3
108-88-3	Toluene	ND	U	1.1	2.3
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.1	2.3
79-00-5	1,1,2-Trichloroethane	ND	U	1.1	2.3
108-10-1	4-Methyl-2-pentanone	ND	U	1.1	2.3
106-93-4	1,2-Dibromoethane	ND	U	1.1	2.3
591-78-6	2-Hexanone	ND	U	1.1	2.3
127-18-4	Tetrachloroethene	ND	U	1.1	2.3
124-48-1	Dibromochloromethane	ND	U	1.1	2.3
100-41-4	Ethylbenzene	ND	U	1.1	2.3
108-90-7	Chlorobenzene	ND	U	1.1	2.3
1330-20-7	m,p-Xylene	ND	U	2.3	4.6

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1565
Project: 400 Rider Street

CLIENT SAMPLE NO
S-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 12.1
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1201593
Lab File ID: A8469.D
Date Collected: 02/29/2012
Date Analyzed: 03/08/2012
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
95-47-6	o-Xylene	ND	U	2.3	4.6
100-42-5	Styrene	ND	U	1.1	4.6
75-25-2	Bromoform	ND	U	1.1	2.3
98-82-8	Isopropylbenzene	ND	U	1.1	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.1	2.3
541-73-1	1,3-Dichlorobenzene	ND	U	1.1	2.3
106-46-7	1,4-Dichlorobenzene	ND	U	1.1	2.3
95-50-1	1,2-Dichlorobenzene	ND	U	1.1	2.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.1	2.3
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.1	2.3
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.1	2.3
1634-04-4	Methyl t-butyl ether	ND	U	2.3	4.6

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1565
Project: 400 Rider Street

CLIENT SAMPLE NO
S-1B

Matrix: (soil/water) SOIL
Sample wt/vol: 5 Unit: G
Level: (low/med) LOW
% Moisture: 9.1
GC Column: Rtx-624 ID: 0.18 (mm)
Soil Extract Volume: 1 (µL)

Lab Sample ID: 1201594
Lab File ID: A8451.D
Date Collected: 02/29/2012
Date Analyzed: 03/07/2012
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6.6	11
107-13-1	Acrylonitrile	ND	U	2.2	11
67-64-1	Acetone	13		1.1	2.2
75-71-8	Dichlorodifluoromethane	ND	U	1.1	2.2
74-87-3	Chloromethane	ND	U	1.1	2.2
75-01-4	Vinyl Chloride	ND	U	1.1	2.2
74-83-9	Bromomethane	ND	U	1.1	2.2
75-00-3	Chloroethane	ND	U	1.1	2.2
75-69-4	Trichoroflouromethane	ND	U	1.1	2.2
76-13-1	Freon-113	ND	U	1.1	2.2
75-35-4	1,1-Dichloroethene	ND	U	1.1	2.2
75-15-0	Carbon disulfide	ND	U	1.1	2.2
79-20-9	Methyl Acetate	ND	U	1.1	2.2
75-09-2	Methylene Chloride	33	B	1.1	2.2
156-60-5	trans-1,2-Dichloroethene	ND	U	1.1	2.2
75-34-3	1,1-Dichloroethane	ND	U	1.1	2.2
789-33-3	2-Butanone	ND	U	1.1	2.2
156-59-2	cis-1,2-Dichloroethene	ND	U	1.1	2.2
67-66-3	Chloroform	ND	U	1.1	2.2
74-97-5	Bromochloromethane	ND	U	1.1	2.2
110-82-7	Cyclohexane	ND	U	1.1	2.2
71-55-6	1,1,1-Trichloroethane	ND	U	1.1	2.2
75-65-0	T-butyl alcohol	ND	U	5.5	22
56-23-5	Carbon Tetrachloride	ND	U	1.1	2.2
107-06-2	1,2-Dichloroethane	ND	U	1.1	2.2
71-43-2	Benzene	ND	U	1.1	2.2
79-01-6	Trichloroethene	ND	U	1.1	2.2
108-87-2	Methylcyclohexane	ND	U	1.1	2.2
78-87-5	1,2-Dichloropropane	ND	U	1.1	2.2
75-27-4	Bromodichloromethane	ND	U	1.1	2.2
10061-01-5	cis-1,3-dichloropropene	ND	U	1.1	2.2
108-88-3	Toluene	ND	U	1.1	2.2
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.1	2.2
79-00-5	1,1,2-Trichloroethane	ND	U	1.1	2.2
108-10-1	4-Methyl-2-pentanone	ND	U	1.1	2.2
106-93-4	1,2-Dibromoethane	ND	U	1.1	2.2
591-78-6	2-Hexanone	ND	U	1.1	2.2
127-18-4	Tetrachloroethene	ND	U	1.1	2.2
124-48-1	Dibromochloromethane	ND	U	1.1	2.2
100-41-4	Ethylbenzene	ND	U	1.1	2.2
108-90-7	Chlorobenzene	ND	U	1.1	2.2
1330-20-7	m,p-Xylene	ND	U	2.2	4.4

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1565
Project: 400 Rider Street

CLIENT SAMPLE NO
S-1B

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 9.1
GC Column: Rtx-624 **ID:** 0.18 (mm)
Soil Extract Volume: 1 (µL)

Lab Sample ID: 1201594
Lab File ID: A8451.D
Date Collected: 02/29/2012
Date Analyzed: 03/07/2012
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
95-47-6	o-Xylene	ND	U	2.2	4.4
100-42-5	Styrene	ND	U	1.1	4.4
75-25-2	Bromoform	ND	U	1.1	2.2
98-82-8	Isopropylbenzene	ND	U	1.1	2.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.1	2.2
541-73-1	1,3-Dichlorobenzene	ND	U	1.1	2.2
106-46-7	1,4-Dichlorobenzene	ND	U	1.1	2.2
95-50-1	1,2-Dichlorobenzene	ND	U	1.1	2.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.1	2.2
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.1	2.2
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.1	2.2
1634-04-4	Methyl t-butyl ether	ND	U	2.2	4.4

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1565
Project: 400 Rider Street

CLIENT SAMPLE NO
S-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 Unit: G
Level: (low/med) LOW
% Moisture: 12.1
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201593
Lab File ID: F2952.D
Date Collected: 02/29/2012
Date Extracted 03/06/2012
Date Analyzed: 03/07/2012
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	37.9	190
100-52-7	Benzaldehyde	ND	U	37.9	190
108-95-2	Phenol	ND	U	37.9	190
111-44-4	bis(2-Chloroethyl)ether	ND	U	37.9	190
95-57-8	2-Chlorophenol	ND	U	37.9	190
95-48-7	2-Methylphenol	ND	U	37.9	190
108-60-1	bis(2-chloroisopropyl)ether	ND	U	37.9	190
98-86-2	Acetophenone	ND	U	37.9	190
106-44-5	3&4-Methylphenol	ND	U	37.9	190
621-64-7	N-Nitroso-di-n-propylamine	ND	U	37.9	190
67-72-1	Hexachloroethane	ND	U	37.9	190
98-95-3	Nitrobenzene	ND	U	37.9	190
78-59-1	Isophorone	ND	U	37.9	190
88-75-5	2-Nitrophenol	ND	U	37.9	190
105-67-9	2,4-Dimethylphenol	ND	U	37.9	190
111-91-1	bis(2-Chloroethoxy)methane	ND	U	37.9	190
120-83-2	2,4-Dichlorophenol	ND	U	37.9	190
91-20-3	Naphthalene	ND	U	37.9	190
106-47-8	4-Chloroaniline	ND	U	37.9	190
87-68-3	Hexachlorobutadiene	ND	U	37.9	190
105-60-2	Caprolactam	ND	U	37.9	190
59-50-7	4-Chloro-3-methylphenol	ND	U	37.9	190
91-57-6	2-Methylnaphthalene	ND	U	37.9	190
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	37.9	190
77-47-4	Hexachlorocyclopentadiene	ND	U	37.9	190
88-06-2	2,4,6-Trichlorophenol	ND	U	37.9	190
95-95-4	2,4,5-Trichlorophenol	ND	U	37.9	190
91-58-7	2-Chloronaphthalene	ND	U	37.9	190
92-52-4	1,1'-Biphenyl	ND	U	37.9	190
88-74-4	2-Nitroaniline	ND	U	37.9	190
131-11-3	Dimethylphthalate	ND	U	37.9	190
208-96-8	Acenaphthylene	ND	U	37.9	190
99-09-2	3-Nitroaniline	ND	U	37.9	190
83-32-9	Acenaphthene	ND	U	37.9	190
51-28-5	2,4-Dinitrophenol	ND	U	37.9	190
100-02-7	4-Nitrophenol	ND	U	37.9	190
132-64-9	Dibenzofuran	ND	U	37.9	190
606-20-2	2,6-Dinitrotoluene	ND	U	37.9	190
121-14-2	2,4-Dinitrotoluene	ND	U	37.9	190
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	37.9	190
84-66-2	Diethylphthalate	ND	U	37.9	190

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1565
Project: 400 Rider Street

CLIENT SAMPLE NO
S-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 Unit: G
Level: (low/med) LOW
% Moisture: 12.1
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201593
Lab File ID: F2952.D
Date Collected: 02/29/2012
Date Extracted 03/06/2012
Date Analyzed: 03/07/2012
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
7005-72-3	4-Chlorophenyl-phenylether	ND	U	37.9	190
86-73-7	Fluorene	ND	U	37.9	190
100-01-6	4-Nitroaniline	ND	U	37.9	190
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	37.9	190
000086-74-8	Carbazole	ND	U	37.9	190
86-30-6	n-Nitrosodiphenylamine	ND	U	37.9	190
122-66-7	1,2-Diphenylhydrazine	ND	U	37.9	190
101-55-3	4-Bromophenyl-phenylether	ND	U	37.9	190
1912-24-9	Atrazine	ND	U	37.9	190
118-74-1	Hexachlorobenzene	ND	U	37.9	190
87-86-5	Pentachlorophenol	ND	U	37.9	190
85-01-8	Phenanthrene	363		37.9	190
120-12-7	Anthracene	74	J	37.9	190
84-74-2	Di-n-butylphthalate	ND	U	37.9	190
206-44-0	Fluoranthene	502		37.9	190
000092-87-5	Benzidine	ND	U	94.8	190
129-00-0	Pyrene	582		37.9	190
85-68-7	Butylbenzylphthalate	ND	U	37.9	190
91-94-1	3,3'-Dichlorobenzidine	ND	U	94.8	190
56-55-3	Benzo[a]anthracene	262		37.9	190
117-81-7	bis(2-Ethylhexyl)phthalate	314		37.9	190
218-01-9	Chrysene	367		37.9	190
117-84-0	Di-n-octylphthalate	ND	U	37.9	190
205-99-2	Benzo[b]fluoranthene	304		37.9	190
207-08-9	Benzo[k]fluoranthene	273		37.9	190
50-32-8	Benzo[a]pyrene	258		37.9	190
193-39-5	Indeno[1,2,3-cd]pyrene	94	J	37.9	190
53-70-3	Dibenz[a,h]anthracene	45.4	J	37.9	190
191-24-2	Benzo[g,h,i]perylene	87.3	J	37.9	190

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1565
Project: 400 Rider Street

CLIENT SAMPLE NO
S-1B

Matrix: (soil/water) SOIL
Sample wt/vol: 30 Unit: G
Level: (low/med) LOW
% Moisture: 9.1
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201594
Lab File ID: F2949.D
Date Collected: 02/29/2012
Date Extracted 03/06/2012
Date Analyzed: 03/07/2012
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	36.7	183
100-52-7	Benzaldehyde	ND	U	36.7	183
108-95-2	Phenol	ND	U	36.7	183
111-44-4	bis(2-Chloroethyl)ether	ND	U	36.7	183
95-57-8	2-Chlorophenol	ND	U	36.7	183
95-48-7	2-Methylphenol	ND	U	36.7	183
108-60-1	bis(2-chloroisopropyl)ether	ND	U	36.7	183
98-86-2	Acetophenone	ND	U	36.7	183
106-44-5	3&4-Methylphenol	ND	U	36.7	183
621-64-7	N-Nitroso-di-n-propylamine	ND	U	36.7	183
67-72-1	Hexachloroethane	ND	U	36.7	183
98-95-3	Nitrobenzene	ND	U	36.7	183
78-59-1	Isophorone	ND	U	36.7	183
88-75-5	2-Nitrophenol	ND	U	36.7	183
105-67-9	2,4-Dimethylphenol	ND	U	36.7	183
111-91-1	bis(2-Chloroethoxy)methane	ND	U	36.7	183
120-83-2	2,4-Dichlorophenol	ND	U	36.7	183
91-20-3	Naphthalene	ND	U	36.7	183
106-47-8	4-Chloroaniline	ND	U	36.7	183
87-68-3	Hexachlorobutadiene	ND	U	36.7	183
105-60-2	Caprolactam	ND	U	36.7	183
59-50-7	4-Chloro-3-methylphenol	ND	U	36.7	183
91-57-6	2-Methylnaphthalene	ND	U	36.7	183
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	36.7	183
77-47-4	Hexachlorocyclopentadiene	ND	U	36.7	183
88-06-2	2,4,6-Trichlorophenol	ND	U	36.7	183
95-95-4	2,4,5-Trichlorophenol	ND	U	36.7	183
91-58-7	2-Chloronaphthalene	ND	U	36.7	183
92-52-4	1,1'-Biphenyl	ND	U	36.7	183
88-74-4	2-Nitroaniline	ND	U	36.7	183
131-11-3	Dimethylphthalate	ND	U	36.7	183
208-96-8	Acenaphthylene	ND	U	36.7	183
99-09-2	3-Nitroaniline	ND	U	36.7	183
83-32-9	Acenaphthene	ND	U	36.7	183
51-28-5	2,4-Dinitrophenol	ND	U	36.7	183
100-02-7	4-Nitrophenol	ND	U	36.7	183
132-64-9	Dibenzofuran	ND	U	36.7	183
606-20-2	2,6-Dinitrotoluene	ND	U	36.7	183
121-14-2	2,4-Dinitrotoluene	ND	U	36.7	183
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	36.7	183
84-66-2	Diethylphthalate	ND	U	36.7	183

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1565
Project: 400 Rider Street

CLIENT SAMPLE NO
S-1B

Matrix: (soil/water) SOIL
Sample wt/vol: 30 Unit: G
Level: (low/med) LOW
% Moisture: 9.1
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201594
Lab File ID: F2949.D
Date Collected: 02/29/2012
Date Extracted 03/06/2012
Date Analyzed: 03/07/2012
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
7005-72-3	4-Chlorophenyl-phenylether	ND	U	36.7	183
86-73-7	Fluorene	ND	U	36.7	183
100-01-6	4-Nitroaniline	ND	U	36.7	183
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	36.7	183
000086-74-8	Carbazole	ND	U	36.7	183
86-30-6	n-Nitrosodiphenylamine	ND	U	36.7	183
122-66-7	1,2-Diphenylhydrazine	ND	U	36.7	183
101-55-3	4-Bromophenyl-phenylether	ND	U	36.7	183
1912-24-9	Atrazine	ND	U	36.7	183
118-74-1	Hexachlorobenzene	ND	U	36.7	183
87-86-5	Pentachlorophenol	ND	U	36.7	183
85-01-8	Phenanthrene	ND	U	36.7	183
120-12-7	Anthracene	ND	U	36.7	183
84-74-2	Di-n-butylphthalate	ND	U	36.7	183
206-44-0	Fluoranthene	ND	U	36.7	183
000092-87-5	Benzidine	ND	U	91.7	183
129-00-0	Pyrene	ND	U	36.7	183
85-68-7	Butylbenzylphthalate	ND	U	36.7	183
91-94-1	3,3'-Dichlorobenzidine	ND	U	91.7	183
56-55-3	Benzo[a]anthracene	ND	U	36.7	183
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	36.7	183
218-01-9	Chrysene	ND	U	36.7	183
117-84-0	Di-n-octylphthalate	ND	U	36.7	183
205-99-2	Benzo[b]fluoranthene	ND	U	36.7	183
207-08-9	Benzo[k]fluoranthene	ND	U	36.7	183
50-32-8	Benzo[a]pyrene	ND	U	36.7	183
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	36.7	183
53-70-3	Dibenz[a,h]anthracene	ND	U	36.7	183
191-24-2	Benzo[g,h,i]perylene	ND	U	36.7	183

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name:	BE		CLIENT SAMPLE NO
Case No.:	1565		S-1A
Project:	400 Rider Street		

Matrix: (soil/water)	SOIL	Lab Sample ID:	1201593
Sample wt/vol:	30 Unit: G	Lab File ID:	A4180.D
Level: (low/med)	LOW	Date Collected:	02/29/2012
% Moisture:	12.1	Date Extracted	03/02/2012
Extraction: (Type)		Date Analyzed:	03/05/2012
Concentrated Extract Volume:	10000 (µL)	Dilution Factor:	1
		Sulfur Cleanup: (Y/N)	N
GPC Cleanup: (Y/N)	N		

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.758	0.758
58-89-9	gamma-BHC (Lindane)	ND	U	0.758	0.758
76-44-8	Heptachlor	ND	U	0.758	0.758
309-00-2	Aldrin	ND	U	0.758	0.758
319-85-7	beta-BHC	ND	U	0.758	0.758
319-86-8	delta-BHC	ND	U	0.758	0.758
1024-57-3	Heptachlor Epoxide	ND	U	0.758	0.758
959-98-8	Endosulfan I	ND	U	0.758	0.758
5103-74-2	gamma-Chlordane	ND	U	0.758	0.758
5103-71-9	alpha-Chlordane	4.4	P	0.758	0.758
72-55-9	4,4'-DDE	4.93		1.52	1.52
60-57-1	Dieldrin	2.01		1.52	1.52
72-20-8	Endrin	ND	U	1.52	1.52
33213-65-9	Endosulfan II	ND	U	1.52	1.52
72-54-8	4,4'-DDD	ND	U	1.52	1.52
50-29-3	4,4'-DDT	21.8	P	1.52	1.52
7421-36-3	Endrin Aldehyde	ND	U	1.52	1.52
1031-07-8	Endosulfan Sulfate	ND	U	1.52	1.52
72-43-5	Methoxychlor	ND	U	7.58	7.58
53494-70-5	Endrin Ketone	ND	U	1.52	1.52
8001-35-2	Toxaphene	ND	U	37.9	37.9
12674-11-2	Aroclor-1016	ND	U	19	37.9
11104-28-2	Aroclor-1221	ND	U	19	37.9
11141-16-5	Aroclor-1232	ND	U	19	37.9
53469-21-9	Aroclor-1242	ND	U	19	37.9
12672-29-6	Aroclor-1248	ND	U	19	37.9
11097-69-1	Aroclor-1254	ND	U	19	37.9
11096-82-5	Aroclor-1260	ND	U	19	37.9
37324-23-5	Aroclor-1262	ND	U	19	37.9
11100-14-4	Aroclor-1268	ND	U	19	37.9

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name:	BE		CLIENT SAMPLE NO
Case No.:	1565		S-1B
Project:	400 Rider Street		

Matrix: (soil/water)	SOIL	Lab Sample ID:	1201594
Sample wt/vol:	30 Unit: G	Lab File ID:	A4181.D
Level: (low/med)	LOW	Date Collected:	02/29/2012
% Moisture:	9.1	Date Extracted	03/02/2012
Extraction: (Type)		Date Analyzed:	03/05/2012
Concentrated Extract Volume:	10000 (µL)	Dilution Factor:	1
		Sulfur Cleanup: (Y/N)	N
GPC Cleanup: (Y/N)	N		

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.733	0.733
58-89-9	gamma-BHC (Lindane)	ND	U	0.733	0.733
76-44-8	Heptachlor	ND	U	0.733	0.733
309-00-2	Aldrin	ND	U	0.733	0.733
319-85-7	beta-BHC	ND	U	0.733	0.733
319-86-8	delta-BHC	ND	U	0.733	0.733
1024-57-3	Heptachlor Epoxide	ND	U	0.733	0.733
959-98-8	Endosulfan I	ND	U	0.733	0.733
5103-74-2	gamma-Chlordane	ND	U	0.733	0.733
5103-71-9	alpha-Chlordane	ND	U	0.733	0.733
72-55-9	4,4'-DDE	ND	U	1.47	1.47
60-57-1	Dieldrin	ND	U	1.47	1.47
72-20-8	Endrin	ND	U	1.47	1.47
33213-65-9	Endosulfan II	ND	U	1.47	1.47
72-54-8	4,4'-DDD	ND	U	1.47	1.47
50-29-3	4,4'-DDT	ND	U	1.47	1.47
7421-36-3	Endrin Aldehyde	ND	U	1.47	1.47
1031-07-8	Endosulfan Sulfate	ND	U	1.47	1.47
72-43-5	Methoxychlor	ND	U	7.33	7.33
53494-70-5	Endrin Ketone	ND	U	1.47	1.47
8001-35-2	Toxaphene	ND	U	36.7	36.7
12674-11-2	Aroclor-1016	ND	U	18.3	36.7
11104-28-2	Aroclor-1221	ND	U	18.3	36.7
11141-16-5	Aroclor-1232	ND	U	18.3	36.7
53469-21-9	Aroclor-1242	ND	U	18.3	36.7
12672-29-6	Aroclor-1248	ND	U	18.3	36.7
11097-69-1	Aroclor-1254	ND	U	18.3	36.7
11096-82-5	Aroclor-1260	ND	U	18.3	36.7
37324-23-5	Aroclor-1262	ND	U	18.3	36.7
11100-14-4	Aroclor-1268	ND	U	18.3	36.7

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	1565	Matrix:	Soil
Sample #:	1201593	Date Received:	03/01/12
Field ID:	S-1A		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	6940	142	10	P	03/05/12
7440-36-0	Antimony	3.32	1.71	1	P	03/05/12
7440-38-2	Arsenic	4.06	1.14	1	P	03/05/12
7440-39-3	Barium	163	.853	1	P	03/05/12
7440-41-7	Beryllium	.470	.284	1	P	03/05/12
7440-43-9	Cadmium	.301	.284	1	P	03/05/12
7440-70-2	Calcium	44700	142	10	P	03/05/12
7440-47-3	Chromium	34.1	.569	1	P	03/05/12
7440-48-4	Cobalt	7.96	.569	1	P	03/05/12
7440-50-8	Copper	63.8	.569	1	P	03/05/12
7439-89-6	Iron	15500	85.3	10	P	03/05/12
7439-92-1	Lead	565	2.84	1	P	03/05/12
7439-95-4	Magnesium	11900	142	10	P	03/05/12
7439-96-5	Manganese	295	.569	1	P	03/05/12
7439-97-6	Mercury	1.57	.114	1	CV	03/05/12
7440-02-0	Nickel	15.5	.569	1	P	03/05/12
7440-09-7	Potassium	2450	14.2	1	P	03/05/12
7782-49-2	Selenium	ND	1.14	1	P	03/05/12
7440-22-4	Silver	.348	.284	1	P	03/05/12
7440-23-5	Sodium	307	14.2	1	P	03/05/12
7440-28-0	Thallium	ND	1.14	1	P	03/05/12
7440-62-2	Vanadium	21.6	.853	1	P	03/05/12
7440-66-6	Zinc	152	5.69	1	P	03/05/12

Percent Solid of 87.9 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 1565

Sample #: 1201594

Field ID: S-1B

Client Name: BE

Matrix: Soil

Date Received: 03/01/12

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	5520	138	10	P	03/05/12
7440-36-0	Antimony	ND	1.65	1	P	03/05/12
7440-38-2	Arsenic	ND	1.10	1	P	03/05/12
7440-39-3	Barium	50.7	.825	1	P	03/05/12
7440-41-7	Beryllium	.627	.275	1	P	03/05/12
7440-43-9	Cadmium	ND	.275	1	P	03/05/12
7440-70-2	Calcium	53400	138	10	P	03/05/12
7440-47-3	Chromium	11.3	.550	1	P	03/05/12
7440-48-4	Cobalt	8.75	.550	1	P	03/05/12
7440-50-8	Copper	27.3	.550	1	P	03/05/12
7439-89-6	Iron	12200	82.5	10	P	03/05/12
7439-92-1	Lead	6.00	2.75	1	P	03/05/12
7439-95-4	Magnesium	30500	138	10	P	03/05/12
7439-96-5	Manganese	332	.550	1	P	03/05/12
7439-97-6	Mercury	ND	.110	1	CV	03/05/12
7440-02-0	Nickel	14.1	.550	1	P	03/05/12
7440-09-7	Potassium	3150	13.8	1	P	03/05/12
7782-49-2	Selenium	ND	1.10	1	P	03/05/12
7440-22-4	Silver	ND	.275	1	P	03/05/12
7440-23-5	Sodium	220	13.8	1	P	03/05/12
7440-28-0	Thallium	ND	1.10	1	P	03/05/12
7440-62-2	Vanadium	18.2	.825	1	P	03/05/12
7440-66-6	Zinc	45.2	5.50	1	P	03/05/12

Percent Solid of 90.9 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	1565	Matrix:	Soil
Sample #:	1201593	Date Received:	03/01/12
Client Name:	BE	% Moisture:	12.1
Field Number:	S-1A		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	87.9	0.1	%	1.			03/06/12
Cyanide, Total	ND	1.14	mg/Kg	1.	ND	1.00	03/08/12

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	1565	Matrix:	Soil
Sample #:	1201594	Date Received:	03/01/12
Client Name:	BE	% Moisture:	9.1
Field Number:	S-1B		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	90.9	0.1	%	1.			03/06/12
Cyanide, Total	ND	1.10	mg/Kg	1.	ND	1.00	03/08/12

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1805 Atlantic Ave
CITY	Manasquan
STATE	NJ
ZIP	08736

PROJECT	400 Rider Street
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1201901	TP-1A	1	S	ICE	3/8/12 1035	X			TCL/TAL
1201902	TP-1B	1	S	ICE	1055	X			↓

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME _____ (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☑ NO ☐ TEMPERATURE: 4

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shirton	[signature]	A. Rodriguez	[signature]	AAR	3-9	11 AM	PM
A. Rodriguez	[signature]	[signature]	[signature]	AAR	3/9/12	15:00	Analysis

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shirton SIGN: [signature]

COMMENTS	

AAR QUOTE #	1632
AAR CASE #	
P.O. #	10BR020

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1632
Project: 400 Rider Street

CLIENT SAMPLE NO
TP-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 5 Unit: G
Level: (low/med) LOW
% Moisture: 11.2
GC Column: Rtx-624 ID: 0.18 (mm)
Soil Extract Volume: 1 (µL)

Lab Sample ID: 1201901
Lab File ID: A8627.D
Date Collected: 03/08/2012
Date Analyzed: 03/16/2012
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6.8	11
107-13-1	Acrylonitrile	ND	U	2.2	11
67-64-1	Acetone	20		1.1	2.2
75-71-8	Dichlorodifluoromethane	ND	U	1.1	2.2
74-87-3	Chloromethane	ND	U	1.1	2.2
75-01-4	Vinyl Chloride	ND	U	1.1	2.2
74-83-9	Bromomethane	ND	U	1.1	2.2
75-00-3	Chloroethane	ND	U	1.1	2.2
75-69-4	Trichoroflouromethane	ND	U	1.1	2.2
76-13-1	Freon-113	ND	U	1.1	2.2
75-35-4	1,1-Dichloroethene	ND	U	1.1	2.2
75-15-0	Carbon disulfide	ND	U	1.1	2.2
79-20-9	Methyl Acetate	ND	U	1.1	2.2
75-09-2	Methylene Chloride	75	B	1.1	2.2
156-60-5	trans-1,2-Dichloroethene	ND	U	1.1	2.2
75-34-3	1,1-Dichloroethane	ND	U	1.1	2.2
789-33-3	2-Butanone	ND	U	1.1	2.2
156-59-2	cis-1,2-Dichloroethene	ND	U	1.1	2.2
67-66-3	Chloroform	1.5	J	1.1	2.2
74-97-5	Bromochloromethane	ND	U	1.1	2.2
110-82-7	Cyclohexane	ND	U	1.1	2.2
71-55-6	1,1,1-Trichloroethane	ND	U	1.1	2.2
75-65-0	T-butyl alcohol	ND	U	5.6	22
56-23-5	Carbon Tetrachloride	ND	U	1.1	2.2
107-06-2	1,2-Dichloroethane	ND	U	1.1	2.2
71-43-2	Benzene	ND	U	1.1	2.2
79-01-6	Trichloroethene	ND	U	1.1	2.2
108-87-2	Methylcyclohexane	ND	U	1.1	2.2
78-87-5	1,2-Dichloropropane	ND	U	1.1	2.2
75-27-4	Bromodichloromethane	ND	U	1.1	2.2
10061-01-5	cis-1,3-dichloropropene	ND	U	1.1	2.2
108-88-3	Toluene	ND	U	1.1	2.2
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.1	2.2
79-00-5	1,1,2-Trichloroethane	ND	U	1.1	2.2
108-10-1	4-Methyl-2-pentanone	ND	U	1.1	2.2
106-93-4	1,2-Dibromoethane	ND	U	1.1	2.2
591-78-6	2-Hexanone	ND	U	1.1	2.2
127-18-4	Tetrachloroethene	ND	U	1.1	2.2
124-48-1	Dibromochloromethane	ND	U	1.1	2.2
100-41-4	Ethylbenzene	ND	U	1.1	2.2
108-90-7	Chlorobenzene	ND	U	1.1	2.2
1330-20-7	m,p-Xylene	ND	U	2.2	4.5

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1632
Project: 400 Rider Street

CLIENT SAMPLE NO
TP-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 5 Unit: G
Level: (low/med) LOW
% Moisture: 11.2
GC Column: Rtx-624 ID: 0.18 (mm)
Soil Extract Volume: 1 (µL)

Lab Sample ID: 1201901
Lab File ID: A8627.D
Date Collected: 03/08/2012
Date Analyzed: 03/16/2012
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
95-47-6	o-Xylene	ND	U	2.2	4.5
100-42-5	Styrene	ND	U	1.1	4.5
75-25-2	Bromoform	ND	U	1.1	2.2
98-82-8	Isopropylbenzene	ND	U	1.1	2.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.1	2.2
541-73-1	1,3-Dichlorobenzene	ND	U	1.1	2.2
106-46-7	1,4-Dichlorobenzene	ND	U	1.1	2.2
95-50-1	1,2-Dichlorobenzene	ND	U	1.1	2.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.1	2.2
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.1	2.2
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.1	2.2
1634-04-4	Methyl t-butyl ether	ND	U	2.2	4.5

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1632
Project: 400 Rider Street

CLIENT SAMPLE NO
TP-1B

Matrix: (soil/water) SOIL
Sample wt/vol: 5 Unit: G
Level: (low/med) LOW
% Moisture: 11.3
GC Column: Rtx-624 ID: 0.18 (mm)
Soil Extract Volume: 1 (µL)

Lab Sample ID: 1201902
Lab File ID: A8629.D
Date Collected: 03/08/2012
Date Analyzed: 03/16/2012
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6.8	11
107-13-1	Acrylonitrile	ND	U	2.2	11
67-64-1	Acetone	35		1.1	2.2
75-71-8	Dichlorodifluoromethane	ND	U	1.1	2.2
74-87-3	Chloromethane	ND	U	1.1	2.2
75-01-4	Vinyl Chloride	ND	U	1.1	2.2
74-83-9	Bromomethane	ND	U	1.1	2.2
75-00-3	Chloroethane	ND	U	1.1	2.2
75-69-4	Trichoroflouromethane	ND	U	1.1	2.2
76-13-1	Freon-113	ND	U	1.1	2.2
75-35-4	1,1-Dichloroethene	ND	U	1.1	2.2
75-15-0	Carbon disulfide	ND	U	1.1	2.2
79-20-9	Methyl Acetate	ND	U	1.1	2.2
75-09-2	Methylene Chloride	20	B	1.1	2.2
156-60-5	trans-1,2-Dichloroethene	ND	U	1.1	2.2
75-34-3	1,1-Dichloroethane	ND	U	1.1	2.2
789-33-3	2-Butanone	ND	U	1.1	2.2
156-59-2	cis-1,2-Dichloroethene	ND	U	1.1	2.2
67-66-3	Chloroform	ND	U	1.1	2.2
74-97-5	Bromochloromethane	ND	U	1.1	2.2
110-82-7	Cyclohexane	ND	U	1.1	2.2
71-55-6	1,1,1-Trichloroethane	ND	U	1.1	2.2
75-65-0	T-butyl alcohol	ND	U	5.6	22
56-23-5	Carbon Tetrachloride	ND	U	1.1	2.2
107-06-2	1,2-Dichloroethane	ND	U	1.1	2.2
71-43-2	Benzene	ND	U	1.1	2.2
79-01-6	Trichloroethene	ND	U	1.1	2.2
108-87-2	Methylcyclohexane	ND	U	1.1	2.2
78-87-5	1,2-Dichloropropane	ND	U	1.1	2.2
75-27-4	Bromodichloromethane	ND	U	1.1	2.2
10061-01-5	cis-1,3-dichloropropene	ND	U	1.1	2.2
108-88-3	Toluene	ND	U	1.1	2.2
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.1	2.2
79-00-5	1,1,2-Trichloroethane	ND	U	1.1	2.2
108-10-1	4-Methyl-2-pentanone	ND	U	1.1	2.2
106-93-4	1,2-Dibromoethane	ND	U	1.1	2.2
591-78-6	2-Hexanone	ND	U	1.1	2.2
127-18-4	Tetrachloroethene	ND	U	1.1	2.2
124-48-1	Dibromochloromethane	ND	U	1.1	2.2
100-41-4	Ethylbenzene	ND	U	1.1	2.2
108-90-7	Chlorobenzene	ND	U	1.1	2.2
1330-20-7	m,p-Xylene	ND	U	2.2	4.5

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1632
Project: 400 Rider Street

CLIENT SAMPLE NO
TP-1B

Matrix: (soil/water) SOIL
Sample wt/vol: 5 Unit: G
Level: (low/med) LOW
% Moisture: 11.3
GC Column: Rtx-624 ID: 0.18 (mm)
Soil Extract Volume: 1 (µL)

Lab Sample ID: 1201902
Lab File ID: A8629.D
Date Collected: 03/08/2012
Date Analyzed: 03/16/2012
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
95-47-6	o-Xylene	ND	U	2.2	4.5
100-42-5	Styrene	ND	U	1.1	4.5
75-25-2	Bromoform	ND	U	1.1	2.2
98-82-8	Isopropylbenzene	ND	U	1.1	2.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.1	2.2
541-73-1	1,3-Dichlorobenzene	ND	U	1.1	2.2
106-46-7	1,4-Dichlorobenzene	ND	U	1.1	2.2
95-50-1	1,2-Dichlorobenzene	ND	U	1.1	2.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.1	2.2
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.1	2.2
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.1	2.2
1634-04-4	Methyl t-butyl ether	ND	U	2.2	4.5

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1632
Project: 400 Rider Street

CLIENT SAMPLE NO
TP-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 Unit: G
Level: (low/med) LOW
% Moisture: 11.2
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201901
Lab File ID: F3092.D
Date Collected: 03/08/2012
Date Extracted 03/15/2012
Date Analyzed: 03/20/2012
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	37.5	188
100-52-7	Benzaldehyde	ND	U	37.5	188
108-95-2	Phenol	ND	U	37.5	188
111-44-4	bis(2-Chloroethyl)ether	ND	U	37.5	188
95-57-8	2-Chlorophenol	ND	U	37.5	188
95-48-7	2-Methylphenol	ND	U	37.5	188
108-60-1	bis(2-chloroisopropyl)ether	ND	U	37.5	188
98-86-2	Acetophenone	ND	U	37.5	188
106-44-5	3&4-Methylphenol	ND	U	37.5	188
621-64-7	N-Nitroso-di-n-propylamine	ND	U	37.5	188
67-72-1	Hexachloroethane	ND	U	37.5	188
98-95-3	Nitrobenzene	ND	U	37.5	188
78-59-1	Isophorone	ND	U	37.5	188
88-75-5	2-Nitrophenol	ND	U	37.5	188
105-67-9	2,4-Dimethylphenol	ND	U	37.5	188
111-91-1	bis(2-Chloroethoxy)methane	ND	U	37.5	188
120-83-2	2,4-Dichlorophenol	ND	U	37.5	188
91-20-3	Naphthalene	ND	U	37.5	188
106-47-8	4-Chloroaniline	ND	U	37.5	188
87-68-3	Hexachlorobutadiene	ND	U	37.5	188
105-60-2	Caprolactam	ND	U	37.5	188
59-50-7	4-Chloro-3-methylphenol	ND	U	37.5	188
91-57-6	2-Methylnaphthalene	ND	U	37.5	188
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	37.5	188
77-47-4	Hexachlorocyclopentadiene	ND	U	37.5	188
88-06-2	2,4,6-Trichlorophenol	ND	U	37.5	188
95-95-4	2,4,5-Trichlorophenol	ND	U	37.5	188
91-58-7	2-Chloronaphthalene	ND	U	37.5	188
92-52-4	1,1'-Biphenyl	ND	U	37.5	188
88-74-4	2-Nitroaniline	ND	U	37.5	188
131-11-3	Dimethylphthalate	ND	U	37.5	188
208-96-8	Acenaphthylene	ND	U	37.5	188
99-09-2	3-Nitroaniline	ND	U	37.5	188
83-32-9	Acenaphthene	ND	U	37.5	188
51-28-5	2,4-Dinitrophenol	ND	U	37.5	188
100-02-7	4-Nitrophenol	ND	U	37.5	188
132-64-9	Dibenzofuran	ND	U	37.5	188
606-20-2	2,6-Dinitrotoluene	ND	U	37.5	188
121-14-2	2,4-Dinitrotoluene	ND	U	37.5	188
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	37.5	188
84-66-2	Diethylphthalate	ND	U	37.5	188

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1632
Project: 400 Rider Street

CLIENT SAMPLE NO
TP-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 Unit: G
Level: (low/med) LOW
% Moisture: 11.2
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201901
Lab File ID: F3092.D
Date Collected: 03/08/2012
Date Extracted 03/15/2012
Date Analyzed: 03/20/2012
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
7005-72-3	4-Chlorophenyl-phenylether	ND	U	37.5	188
86-73-7	Fluorene	ND	U	37.5	188
100-01-6	4-Nitroaniline	ND	U	37.5	188
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	37.5	188
000086-74-8	Carbazole	ND	U	37.5	188
86-30-6	n-Nitrosodiphenylamine	ND	U	37.5	188
122-66-7	1,2-Diphenylhydrazine	ND	U	37.5	188
101-55-3	4-Bromophenyl-phenylether	ND	U	37.5	188
1912-24-9	Atrazine	ND	U	37.5	188
118-74-1	Hexachlorobenzene	ND	U	37.5	188
87-86-5	Pentachlorophenol	ND	U	37.5	188
85-01-8	Phenanthrene	ND	U	37.5	188
120-12-7	Anthracene	ND	U	37.5	188
84-74-2	Di-n-butylphthalate	ND	U	37.5	188
206-44-0	Fluoranthene	ND	U	37.5	188
000092-87-5	Benzidine	ND	U	93.8	188
129-00-0	Pyrene	ND	U	37.5	188
85-68-7	Butylbenzylphthalate	ND	U	37.5	188
91-94-1	3,3'-Dichlorobenzidine	ND	U	93.8	188
56-55-3	Benzo[a]anthracene	ND	U	37.5	188
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	37.5	188
218-01-9	Chrysene	ND	U	37.5	188
117-84-0	Di-n-octylphthalate	ND	U	37.5	188
205-99-2	Benzo[b]fluoranthene	ND	U	37.5	188
207-08-9	Benzo[k]fluoranthene	ND	U	37.5	188
50-32-8	Benzo[a]pyrene	ND	U	37.5	188
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	37.5	188
53-70-3	Dibenz[a,h]anthracene	ND	U	37.5	188
191-24-2	Benzo[g,h,i]perylene	ND	U	37.5	188

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1632
Project: 400 Rider Street

CLIENT SAMPLE NO
TP-1B

Matrix: (soil/water) SOIL
Sample wt/vol: 30 Unit: G
Level: (low/med) LOW
% Moisture: 11.3
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201902
Lab File ID: F3094.D
Date Collected: 03/08/2012
Date Extracted 03/15/2012
Date Analyzed: 03/20/2012
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	37.6	188
100-52-7	Benzaldehyde	ND	U	37.6	188
108-95-2	Phenol	ND	U	37.6	188
111-44-4	bis(2-Chloroethyl)ether	ND	U	37.6	188
95-57-8	2-Chlorophenol	ND	U	37.6	188
95-48-7	2-Methylphenol	ND	U	37.6	188
108-60-1	bis(2-chloroisopropyl)ether	ND	U	37.6	188
98-86-2	Acetophenone	ND	U	37.6	188
106-44-5	3&4-Methylphenol	ND	U	37.6	188
621-64-7	N-Nitroso-di-n-propylamine	ND	U	37.6	188
67-72-1	Hexachloroethane	ND	U	37.6	188
98-95-3	Nitrobenzene	ND	U	37.6	188
78-59-1	Isophorone	ND	U	37.6	188
88-75-5	2-Nitrophenol	ND	U	37.6	188
105-67-9	2,4-Dimethylphenol	ND	U	37.6	188
111-91-1	bis(2-Chloroethoxy)methane	ND	U	37.6	188
120-83-2	2,4-Dichlorophenol	ND	U	37.6	188
91-20-3	Naphthalene	ND	U	37.6	188
106-47-8	4-Chloroaniline	ND	U	37.6	188
87-68-3	Hexachlorobutadiene	ND	U	37.6	188
105-60-2	Caprolactam	ND	U	37.6	188
59-50-7	4-Chloro-3-methylphenol	ND	U	37.6	188
91-57-6	2-Methylnaphthalene	ND	U	37.6	188
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	37.6	188
77-47-4	Hexachlorocyclopentadiene	ND	U	37.6	188
88-06-2	2,4,6-Trichlorophenol	ND	U	37.6	188
95-95-4	2,4,5-Trichlorophenol	ND	U	37.6	188
91-58-7	2-Chloronaphthalene	ND	U	37.6	188
92-52-4	1,1'-Biphenyl	ND	U	37.6	188
88-74-4	2-Nitroaniline	ND	U	37.6	188
131-11-3	Dimethylphthalate	ND	U	37.6	188
208-96-8	Acenaphthylene	59.5	J	37.6	188
99-09-2	3-Nitroaniline	ND	U	37.6	188
83-32-9	Acenaphthene	ND	U	37.6	188
51-28-5	2,4-Dinitrophenol	ND	U	37.6	188
100-02-7	4-Nitrophenol	ND	U	37.6	188
132-64-9	Dibenzofuran	ND	U	37.6	188
606-20-2	2,6-Dinitrotoluene	ND	U	37.6	188
121-14-2	2,4-Dinitrotoluene	ND	U	37.6	188
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	37.6	188
84-66-2	Diethylphthalate	ND	U	37.6	188

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1632
Project: 400 Rider Street

CLIENT SAMPLE NO
TP-1B

Matrix: (soil/water) SOIL
Sample wt/vol: 30 Unit: G
Level: (low/med) LOW
% Moisture: 11.3
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201902
Lab File ID: F3094.D
Date Collected: 03/08/2012
Date Extracted 03/15/2012
Date Analyzed: 03/20/2012
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
7005-72-3	4-Chlorophenyl-phenylether	ND	U	37.6	188
86-73-7	Fluorene	ND	U	37.6	188
100-01-6	4-Nitroaniline	ND	U	37.6	188
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	37.6	188
000086-74-8	Carbazole	ND	U	37.6	188
86-30-6	n-Nitrosodiphenylamine	ND	U	37.6	188
122-66-7	1,2-Diphenylhydrazine	ND	U	37.6	188
101-55-3	4-Bromophenyl-phenylether	ND	U	37.6	188
1912-24-9	Atrazine	ND	U	37.6	188
118-74-1	Hexachlorobenzene	ND	U	37.6	188
87-86-5	Pentachlorophenol	ND	U	37.6	188
85-01-8	Phenanthrene	526		37.6	188
120-12-7	Anthracene	115	J	37.6	188
84-74-2	Di-n-butylphthalate	ND	U	37.6	188
206-44-0	Fluoranthene	697		37.6	188
000092-87-5	Benzidine	ND	U	94	188
129-00-0	Pyrene	1120		37.6	188
85-68-7	Butylbenzylphthalate	ND	U	37.6	188
91-94-1	3,3'-Dichlorobenzidine	ND	U	94	188
56-55-3	Benzo[a]anthracene	498		37.6	188
117-81-7	bis(2-Ethylhexyl)phthalate	61.8	J	37.6	188
218-01-9	Chrysene	671		37.6	188
117-84-0	Di-n-octylphthalate	ND	U	37.6	188
205-99-2	Benzo[b]fluoranthene	572		37.6	188
207-08-9	Benzo[k]fluoranthene	497		37.6	188
50-32-8	Benzo[a]pyrene	453		37.6	188
193-39-5	Indeno[1,2,3-cd]pyrene	159	J	37.6	188
53-70-3	Dibenz[a,h]anthracene	60.8	J	37.6	188
191-24-2	Benzo[g,h,i]perylene	166	J	37.6	188

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1632
Project: 400 Rider Street

CLIENT SAMPLE NO
TP-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 Unit: G
Level: (low/med) LOW
% Moisture: 11.2
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201901
Lab File ID: G0869.D
Date Collected: 03/08/2012
Date Extracted 03/12/2012
Date Analyzed: 03/12/2012
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.75	0.75
58-89-9	gamma-BHC (Lindane)	ND	U	0.75	0.75
76-44-8	Heptachlor	ND	U	0.75	0.75
309-00-2	Aldrin	ND	U	0.75	0.75
319-85-7	beta-BHC	ND	U	0.75	0.75
319-86-8	delta-BHC	ND	U	0.75	0.75
1024-57-3	Heptachlor Epoxide	ND	U	0.75	0.75
959-98-8	Endosulfan I	ND	U	0.75	0.75
5103-74-2	gamma-Chlordane	ND	U	0.75	0.75
5103-71-9	alpha-Chlordane	2.9	P	0.75	0.75
72-55-9	4,4'-DDE	ND	U	1.5	1.5
60-57-1	Dieldrin	ND	U	1.5	1.5
72-20-8	Endrin	ND	U	1.5	1.5
33213-65-9	Endosulfan II	ND	U	1.5	1.5
72-54-8	4,4'-DDD	ND	U	1.5	1.5
50-29-3	4,4'-DDT	ND	U	1.5	1.5
7421-36-3	Endrin Aldehyde	ND	U	1.5	1.5
1031-07-8	Endosulfan Sulfate	ND	U	1.5	1.5
72-43-5	Methoxychlor	ND	U	7.5	7.5
53494-70-5	Endrin Ketone	ND	U	1.5	1.5
8001-35-2	Toxaphene	ND	U	38	38
12674-11-2	Aroclor-1016	ND	U	19	38
11104-28-2	Aroclor-1221	ND	U	19	38
11141-16-5	Aroclor-1232	ND	U	19	38
53469-21-9	Aroclor-1242	ND	U	19	38
12672-29-6	Aroclor-1248	ND	U	19	38
11097-69-1	Aroclor-1254	ND	U	19	38
11096-82-5	Aroclor-1260	ND	U	19	38
37324-23-5	Aroclor-1262	ND	U	19	38
11100-14-4	Aroclor-1268	ND	U	19	38

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name:	BE		CLIENT SAMPLE NO
Case No.:	1632		TP-1B
Project:	400 Rider Street		

Matrix: (soil/water)	SOIL	Lab Sample ID:	1201902
Sample wt/vol:	30 Unit: G	Lab File ID:	G0870.D
Level: (low/med)	LOW	Date Collected:	03/08/2012
% Moisture:	11.3	Date Extracted	03/12/2012
Extraction: (Type)		Date Analyzed:	03/12/2012
Concentrated Extract Volume:	10000 (µL)	Dilution Factor:	1
		Sulfur Cleanup: (Y/N)	N
GPC Cleanup: (Y/N)	N		

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.75	0.75
58-89-9	gamma-BHC (Lindane)	ND	U	0.75	0.75
76-44-8	Heptachlor	ND	U	0.75	0.75
309-00-2	Aldrin	ND	U	0.75	0.75
319-85-7	beta-BHC	ND	U	0.75	0.75
319-86-8	delta-BHC	ND	U	0.75	0.75
1024-57-3	Heptachlor Epoxide	ND	U	0.75	0.75
959-98-8	Endosulfan I	ND	U	0.75	0.75
5103-74-2	gamma-Chlordane	ND	U	0.75	0.75
5103-71-9	alpha-Chlordane	ND	U	0.75	0.75
72-55-9	4,4'-DDE	ND	U	1.5	1.5
60-57-1	Dieldrin	ND	U	1.5	1.5
72-20-8	Endrin	ND	U	1.5	1.5
33213-65-9	Endosulfan II	ND	U	1.5	1.5
72-54-8	4,4'-DDD	ND	U	1.5	1.5
50-29-3	4,4'-DDT	ND	U	1.5	1.5
7421-36-3	Endrin Aldehyde	ND	U	1.5	1.5
1031-07-8	Endosulfan Sulfate	ND	U	1.5	1.5
72-43-5	Methoxychlor	ND	U	7.5	7.5
53494-70-5	Endrin Ketone	ND	U	1.5	1.5
8001-35-2	Toxaphene	ND	U	38	38
12674-11-2	Aroclor-1016	ND	U	19	38
11104-28-2	Aroclor-1221	ND	U	19	38
11141-16-5	Aroclor-1232	ND	U	19	38
53469-21-9	Aroclor-1242	ND	U	19	38
12672-29-6	Aroclor-1248	ND	U	19	38
11097-69-1	Aroclor-1254	ND	U	19	38
11096-82-5	Aroclor-1260	ND	U	19	38
37324-23-5	Aroclor-1262	ND	U	19	38
11100-14-4	Aroclor-1268	ND	U	19	38

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANLYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	1632	Matrix:	Soil
Sample #:	1201901	Date Received:	03/09/12
Field ID:	TP-1A		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	10400	141	10	P	03/15/12
7440-36-0	Antimony	ND	1.69	1	P	03/14/12
7440-38-2	Arsenic	2.73	1.13	1	P	03/14/12
7440-39-3	Barium	187	.845	1	P	03/14/12
7440-41-7	Beryllium	.569	.282	1	P	03/14/12
7440-43-9	Cadmium	.537	.282	1	P	03/14/12
7440-70-2	Calcium	19700	141	10	P	03/15/12
7440-47-3	Chromium	23.6	.563	1	P	03/14/12
7440-48-4	Cobalt	12.3	.563	1	P	03/14/12
7440-50-8	Copper	48.3	.563	1	P	03/14/12
7439-89-6	Iron	20500	84.5	10	P	03/15/12
7439-92-1	Lead	289	2.82	1	P	03/14/12
7439-95-4	Magnesium	14200	141	10	P	03/15/12
7439-96-5	Manganese	444	.563	1	P	03/14/12
7439-97-6	Mercury	.264	.113	1	CV	03/12/12
7440-02-0	Nickel	22.6	.563	1	P	03/14/12
7440-09-7	Potassium	4190	14.1	1	P	03/14/12
7782-49-2	Selenium	1.13	1.13	1	P	03/14/12
7440-22-4	Silver	1.68	.282	1	P	03/14/12
7440-23-5	Sodium	410	14.1	1	P	03/14/12
7440-28-0	Thallium	ND	1.13	1	P	03/14/12
7440-62-2	Vanadium	32.0	.845	1	P	03/14/12
7440-66-6	Zinc	235	5.63	1	P	03/14/12

Percent Solid of 88.8 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 1632

Sample #: 1201902

Field ID: TP-1B

Client Name: BE

Matrix: Soil

Date Received: 03/09/12

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	9620	141	10	P	03/15/12
7440-36-0	Antimony	ND	1.69	1	P	03/14/12
7440-38-2	Arsenic	ND	1.13	1	P	03/14/12
7440-39-3	Barium	35.2	.846	1	P	03/14/12
7440-41-7	Beryllium	2.32	.282	1	P	03/14/12
7440-43-9	Cadmium	ND	.282	1	P	03/14/12
7440-70-2	Calcium	102000	141	10	P	03/15/12
7440-47-3	Chromium	12.2	.564	1	P	03/14/12
7440-48-4	Cobalt	7.67	.564	1	P	03/14/12
7440-50-8	Copper	22.5	.564	1	P	03/14/12
7439-89-6	Iron	14000	84.6	10	P	03/15/12
7439-92-1	Lead	ND	2.82	1	P	03/14/12
7439-95-4	Magnesium	75900	141	10	P	03/15/12
7439-96-5	Manganese	330	.564	1	P	03/14/12
7439-97-6	Mercury	ND	.113	1	CV	03/12/12
7440-02-0	Nickel	12.5	.564	1	P	03/14/12
7440-09-7	Potassium	2670	14.1	1	P	03/14/12
7782-49-2	Selenium	ND	1.13	1	P	03/14/12
7440-22-4	Silver	ND	.282	1	P	03/14/12
7440-23-5	Sodium	256	14.1	1	P	03/14/12
7440-28-0	Thallium	ND	1.13	1	P	03/14/12
7440-62-2	Vanadium	16.9	.846	1	P	03/14/12
7440-66-6	Zinc	32.2	5.64	1	P	03/14/12

Percent Solid of 88.7 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	1632	Matrix:	Soil
Sample #:	1201901	Date Received:	03/09/12
Client Name:	BE	% Moisture:	11.2
Field Number:	TP-1A		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	88.8	0.1	%	1.			03/13/12
Cyanide, Total	ND	1.13	mg/Kg	1.	ND	1.00	03/12/12

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	1632	Matrix:	Soil
Sample #:	1201902	Date Received:	03/09/12
Client Name:	BE	% Moisture:	11.3
Field Number:	TP-1B		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	88.7	0.1	%	1.			03/13/12
Cyanide, Total	ND	1.13	mg/Kg	1.	ND	1.00	03/12/12

Table 3 *Integrated Analytical Laboratories LLC*

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 400 Rider Street
Site: NA

Report Date: 3/14/12
SDG Number: E12-02139
Date Received: 3/5/12
Date Analyzed: 03/06/12
Data File: AF5018
Summa ID: 3035A

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-1		Reporting Limits	
	IAL ID:	E12-02139-01			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	5.0	16	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	1.0
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	0.20	0.98	0.20	0.98
Chloromethane	74-87-3	ND	ND	0.20	0.41
Carbon tetrachloride	56-23-5	ND	ND	0.04	0.25
Cyclohexane	110-82-7	1.3	4.6	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	ND	ND	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.57	2.8	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	18	34	0.20	0.38
Ethylbenzene	100-41-4	3.8	17	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	4.1	14	0.20	0.71
Methylene chloride	75-09-2	ND	ND	0.20	0.70
Methyl ethyl ketone	78-93-3	2.2	6.5	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	ND	ND	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	ND	ND	0.20	1.4
Toluene	108-88-3	24	90	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND	ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	ND	ND	0.05	0.25
Trichlorofluoromethane	75-69-4	1.7	9.3	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	2.0	9.7	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.70	3.4	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	1.4	6.7	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	14	59	0.20	0.87
Xylenes (o)	95-47-6	4.0	18	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Table 3 *Integrated Analytical Laboratories LLC*

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 400 Rider Street
Site: NA

Report Date: 3/14/12
SDG Number: E12-02139
Date Received: 3/5/12
Date Analyzed: 03/07/12
Data File: AF5020
Summa ID: 4852

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-2		Reporting Limits	
	IAL ID:	E12-02139-02			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	2.4	7.8	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	1.0
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	ND	ND	0.20	0.98
Chloromethane	74-87-3	0.57	1.2	0.20	0.41
Carbon tetrachloride	56-23-5	0.06	0.38	0.04	0.25
Cyclohexane	110-82-7	1.1	3.8	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	ND	ND	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.57	2.8	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	17	32	0.20	0.38
Ethylbenzene	100-41-4	3.9	17	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	3.0	11	0.20	0.71
Methylene chloride	75-09-2	0.27	0.94	0.20	0.70
Methyl ethyl ketone	78-93-3	1.1	3.1	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	ND	ND	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	0.25	1.7	0.20	1.4
Toluene	108-88-3	28	104	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND	ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	0.05	0.27	0.05	0.25
Trichlorofluoromethane	75-69-4	0.26	1.5	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	2.5	12	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.85	4.2	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	1.2	5.4	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	14	62	0.20	0.87
Xylenes (o)	95-47-6	4.6	20	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Table 3 *Integrated Analytical Laboratories LLC*

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 400 Rider Street
Site: NA

Report Date: 3/14/12
SDG Number: E12-02139
Date Received: 3/5/12
Date Analyzed: 03/07/12
Data File: AF5022
Summa ID: 3054

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-3		Reporting Limits	
	IAL ID:	E12-02139-03			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	1.6	5.0	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	1.0
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	ND	ND	0.20	0.98
Chloromethane	74-87-3	0.48	0.99	0.20	0.41
Carbon tetrachloride	56-23-5	0.05	0.32	0.04	0.25
Cyclohexane	110-82-7	0.81	2.8	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	ND	ND	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.58	2.9	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	20	38	0.20	0.38
Ethylbenzene	100-41-4	3.5	15	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	4.5	16	0.20	0.71
Methylene chloride	75-09-2	0.38	1.3	0.20	0.70
Methyl ethyl ketone	78-93-3	0.61	1.8	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	0.23	0.70	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	ND	ND	0.20	1.4
Toluene	108-88-3	18	68	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND	ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	ND	ND	0.05	0.25
Trichlorofluoromethane	75-69-4	0.28	1.6	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	2.6	13	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.87	4.3	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	1.0	4.7	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	13	56	0.20	0.87
Xylenes (o)	95-47-6	4.2	18	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Table 3 *Integrated Analytical Laboratories LLC*

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 400 Rider Street
Site: NA

Report Date: 3/14/12
SDG Number: E12-02139
Date Received: 3/5/12
Date Analyzed: 03/07/12
Data File: AF5042
Summa ID: 3038A

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-4		Reporting Limits	
	IAL ID:	E12-02139-04			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	2.5	8.1	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	1.0
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	ND	ND	0.20	0.98
Chloromethane	74-87-3	0.53	1.1	0.20	0.41
Carbon tetrachloride	56-23-5	0.05	0.32	0.04	0.25
Cyclohexane	110-82-7	1.2	4.0	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	ND	ND	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.60	3.0	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	25	46	0.20	0.38
Ethylbenzene	100-41-4	2.9	12	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	4.8	17	0.20	0.71
Methylene chloride	75-09-2	3.8	13	0.20	0.70
Methyl ethyl ketone	78-93-3	1.0	3.1	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	0.22	0.67	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	ND	ND	0.20	1.4
Toluene	108-88-3	18	68	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	0.51	2.8	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	2.0	11	0.05	0.25
Trichlorofluoromethane	75-69-4	0.34	1.9	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	1.9	9.3	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.62	3.1	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	1.6	7.4	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	10	45	0.20	0.87
Xylenes (o)	95-47-6	3.4	15	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Table 3 *Integrated Analytical Laboratories LLC*

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 400 Rider Street
Site: NA

Report Date: 3/14/12
SDG Number: E12-02139
Date Received: 3/5/12
Date Analyzed: 03/07/12
Data File: AF5043
Summa ID: 2093

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-5		Reporting Limits	
	IAL ID:	E12-02139-05			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	1.8	5.6	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	1.0
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	0.33	1.6	0.20	0.98
Chloromethane	74-87-3	0.56	1.2	0.20	0.41
Carbon tetrachloride	56-23-5	0.05	0.32	0.04	0.25
Cyclohexane	110-82-7	0.72	2.5	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	ND	ND	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.54	2.7	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	14	27	0.20	0.38
Ethylbenzene	100-41-4	2.8	12	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	3.0	10	0.20	0.71
Methylene chloride	75-09-2	1.9	6.6	0.20	0.70
Methyl ethyl ketone	78-93-3	1.1	3.2	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	0.31	0.94	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	ND	ND	0.20	1.4
Toluene	108-88-3	14	52	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND	ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	0.32	1.7	0.05	0.25
Trichlorofluoromethane	75-69-4	0.30	1.7	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	2.2	11	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.72	3.5	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	0.88	4.1	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	10	45	0.20	0.87
Xylenes (o)	95-47-6	3.6	16	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

VI

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ NY PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1805 Atlantic Ave
CITY	Manasquan
STATE	NJ
ZIP	08736

PROJECT	400 Rider Street
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION: GRAB	COMPOSITE	DEPTH	ANALYSIS
1201592	TWP-1	7	GW		2-28-12 1205	X			TCL/TAL

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: Standard (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☑ NO ☐ TEMPERATURE: 4°C

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton		John Inacio		A.A.R.	3/1/12	10:50	PU
John Inacio							

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN:

COMMENTS: TAL metals = Total and Dissolved

AAR QUOTE #	
AAR CASE #	1564
P.O. #	10BR020

See Reverse for Instructions

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1564
Project: 400 Rider Street

CLIENT SAMPLE NO
TWP-1

Matrix: (soil/water) WATER
Sample wt/vol: 10 Unit: ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 ID: 0.18 (mm)
Soil Extract Volume: _____ (µL)

Lab Sample ID: 1201592
Lab File ID: M5895.D
Date Collected: 02/29/2012
Date Analyzed: 03/01/2012
Dilution Factor: 1
Soil Aliquot Vol(µL): _____

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	5
107-13-1	Acrylonitrile	ND	U	2	5
67-64-1	Acetone	1.7		1	1
75-71-8	Dichlorodifluoromethane	ND	U	1	1
74-87-3	Chloromethane	ND	U	1	1
67-64-1	Vinyl Chloride	ND	U	1	1
74-83-9	Bromomethane	ND	U	1	1
75-00-3	Chloroethane	ND	U	1	1
75-69-4	Trichoroflouromethane	ND	U	1	1
76-13-1	Freon-113	ND	U	1	1
75-35-4	1,1-Dichloroethene	ND	U	0.4	1
75-15-0	Carbon disulfide	ND	U	0.4	1
79-20-9	Methyl Acetate	ND	U	0.4	1
75-09-2	Methylene Chloride	ND	U	0.4	1
156-60-5	trans-1,2-Dichloroethene	ND	U	0.4	1
75-34-3	1,1-Dichloroethane	ND	U	0.4	1
789-33-3	2-Butanone	ND	U	0.5	1
156-59-2	cis-1,2-Dichloroethene	ND	U	0.5	1
67-66-3	Chloroform	ND	U	0.5	1
74-97-5	Bromochloromethane	ND	U	0.5	1
110-82-7	Cyclohexane	ND	U	0.5	1
71-55-6	1,1,1-Trichloroethane	ND	U	0.5	1
75-65-0	T-butyl alcohol	ND	U	0.5	10
56-23-5	Carbon Tetrachloride	ND	U	0.5	1
107-06-2	1,2-Dichloroethane	ND	U	0.5	1
71-43-2	Benzene	ND	U	0.5	1
79-01-6	Trichloroethene	0.5	J	0.5	1
108-87-2	Methylcyclohexane	ND	U	0.5	1
78-87-5	1,2-Dichloropropane	ND	U	0.5	1
75-27-4	Bromodichloromethane	ND	U	0.5	1
10061-01-5	cis-1,3-dichloropropene	ND	U	0.5	1
108-88-3	Toluene	ND	U	0.5	1
10061-02-6	trans-1,3-Dichloropropene	ND	U	0.5	1
79-00-5	1,1,2-Trichloroethane	ND	U	0.5	1
108-10-1	4-Methyl-2-pentanone	ND	U	0.5	1
106-93-4	1,2-Dibromoethane	ND	U	0.5	1
591-78-6	2-Hexanone	ND	U	0.5	1
127-18-4	Tetrachloroethene	0.53	J	0.5	1
124-48-1	Dibromochloromethane	ND	U	0.5	1
100-41-4	Ethylbenzene	ND	U	0.5	1
108-90-7	Chlorobenzene	ND	U	0.5	1
1330-20-7	m,p-Xylene	ND	U	1	2

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1564
Project: 400 Rider Street

CLIENT SAMPLE NO
TWP-1

Matrix: (soil/water) WATER
Sample wt/vol: 10 Unit: ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 ID: 0.18 (mm)
Soil Extract Volume: _____ (µL)

Lab Sample ID: 1201592
Lab File ID: M5895.D
Date Collected: 02/29/2012
Date Analyzed: 03/01/2012
Dilution Factor: 1
Soil Aliquot Vol(µL): _____

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
95-47-6	o-Xylene	ND	U	1	2
100-42-5	Styrene	ND	U	0.5	2
75-25-2	Bromoform	ND	U	0.5	1
98-82-8	Isopropylbenzene	ND	U	0.5	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	0.5	1
541-73-1	1,3-Dichlorobenzene	ND	U	0.5	1
106-46-7	1,4-Dichlorobenzene	ND	U	0.5	1
95-50-1	1,2-Dichlorobenzene	ND	U	0.5	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	0.5	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.5	1
87-61-6	1,2,3-Trichlorobenzene	ND	U	0.5	1
1634-04-4	Methyl t-butyl ether	ND	U	1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS SIM ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1564
Project: 400 Rider Street

CLIENT SAMPLE NO
TWP-1

Matrix: (soil/water) WATER
Sample wt/vol: 850 Unit: ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201592
Lab File ID: E1243.D
Date Collected: 02/29/2012
Date Extracted 03/06/2012
Date Analyzed: 03/07/2012
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	ND	U	0.588	2.94
108-95-2	Phenol	ND	U	0.588	2.94
111-44-4	bis(2-Chloroethyl)ether	ND	U	0.588	2.94
95-57-8	2-Chlorophenol	ND	U	0.588	2.94
541-73-1	1,3-Dichlorobenzene	ND	U	0.588	2.94
106-46-7	1,4-Dichlorobenzene	ND	U	0.588	2.94
100-51-6	Benzyl alcohol	ND	U	0.588	2.94
95-50-1	1,2-Dichlorobenzene	ND	U	0.588	2.94
95-48-7	2-Methylphenol	ND	U	0.588	2.94
108-60-1	bis(2-chloroisopropyl)ether	ND	U	0.588	2.94
106-44-5	3&4-Methylphenol	ND	U	0.588	2.94
621-64-7	N-Nitroso-di-n-propylamine	ND	U	0.588	2.94
67-72-1	Hexachloroethane	ND	U	0.588	2.94
98-95-3	Nitrobenzene	ND	U	0.588	2.94
78-59-1	Isophorone	ND	U	0.588	2.94
88-75-5	2-Nitrophenol	ND	U	0.588	2.94
105-67-9	2,4-Dimethylphenol	ND	U	0.588	2.94
65-85-0	Benzoic Acid	3.42		1.47	2.94
111-91-1	bis(2-Chloroethoxy)methane	ND	U	0.588	2.94
120-83-2	2,4-Dichlorophenol	ND	U	0.588	2.94
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.588	2.94
91-20-3	Naphthalene	ND	U	0.588	2.94
106-47-8	4-Chloroaniline	ND	U	0.588	2.94
87-68-3	Hexachlorobutadiene	ND	U	0.588	2.94
59-50-7	4-Chloro-3-methylphenol	1.08	J	0.588	2.94
91-57-6	2-Methylnaphthalene	ND	U	0.588	2.94
77-47-4	Hexachlorocyclopentadiene	ND	U	0.588	2.94
88-06-2	2,4,6-Trichlorophenol	ND	U	0.588	2.94
95-95-4	2,4,5-Trichlorophenol	ND	U	0.588	2.94
91-58-7	2-Chloronaphthalene	ND	U	0.588	2.94
88-74-4	2-Nitroaniline	ND	U	0.588	2.94
131-11-3	Dimethylphthalate	ND	U	0.588	2.94
208-96-8	Acenaphthylene	ND	U	0.588	2.94
99-09-2	3-Nitroaniline	ND	U	0.588	2.94
83-32-9	Acenaphthene	ND	U	0.588	2.94
51-28-5	2,4-Dinitrophenol	ND	U	0.588	2.94
100-02-7	4-Nitrophenol	ND	U	0.588	2.94
132-64-9	Dibenzofuran	ND	U	0.588	2.94
606-20-2	2,6-Dinitrotoluene	ND	U	0.588	2.94
121-14-2	2,4-Dinitrotoluene	ND	U	0.588	2.94
84-66-2	Diethylphthalate	1.03	J	0.588	2.94

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS SIM ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1564
Project: 400 Rider Street

CLIENT SAMPLE NO
TWP-1

Matrix: (soil/water) WATER
Sample wt/vol: 850 Unit: ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201592
Lab File ID: E1243.D
Date Collected: 02/29/2012
Date Extracted 03/06/2012
Date Analyzed: 03/07/2012
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
7005-72-3	4-Chlorophenyl-phenylether	ND	U	0.588	2.94
86-73-7	Fluorene	ND	U	0.588	2.94
100-01-6	4-Nitroaniline	ND	U	0.588	2.94
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	0.588	2.94
86-30-6	n-Nitrosodiphenylamine	ND	U	0.588	2.94
122-66-7	1,2-Diphenylhydrazine	ND	U	0.588	2.94
101-55-3	4-Bromophenyl-phenylether	ND	U	0.588	2.94
87-86-5	Pentachlorophenol	ND	U	0.588	2.94
85-01-8	Phenanthrene	ND	U	0.118	2.94
120-12-7	Anthracene	ND	U	0.588	2.94
84-74-2	Di-n-butylphthalate	ND	U	0.588	2.94
206-44-0	Fluoranthene	ND	U	0.588	2.94
129-00-0	Pyrene	ND	U	0.588	2.94
85-68-7	Butylbenzylphthalate	ND	U	0.588	2.94
91-94-1	3,3'-Dichlorobenzidine	ND	U	0.588	2.94
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	0.588	2.94
218-01-9	Chrysene	ND	U	0.118	2.94
117-84-0	Di-n-octylphthalate	ND	U	0.588	2.94
191-24-2	Benzo[g,h,i]perylene	ND	U	0.118	2.94

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS SIM ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1564
Project: 400 Rider Street

CLIENT SAMPLE NO
TWP-1

Matrix: (soil/water) WATER
Sample wt/vol: 850 Unit: ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201592
Lab File ID: E1262.D
Date Collected: 02/29/2012
Date Extracted 03/06/2012
Date Analyzed: 03/08/2012
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
118-74-1	Hexachlorobenzene	ND	U	0.0118	0.0118
56-55-3	Benzo[a]anthracene	ND	U	0.0588	0.0588
205-99-2	Benzo[b]fluoranthene	ND	U	0.0588	0.0588
207-08-9	Benzo[k]fluoranthene	ND	U	0.0588	0.0588
50-32-8	Benzo[a]pyrene	ND	U	0.0588	0.0588
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	0.0588	0.0588
53-70-3	Dibenz[a,h]anthracene	ND	U	0.0588	0.0588

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 1564
Project: 400 Cider Street

CLIENT SAMPLE NO
TWP-1

Matrix: (soil/water) WATER
Sample wt/vol: 910 Unit: ML
Level: (low/med)
% Moisture: 100
Extraction: (Type) SEPF
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201592
Lab File ID: A4288.D
Date Collected: 02/29/2012
Date Extracted 03/07/2012
Date Analyzed: 03/12/2012
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.0022	0.0022
58-89-9	gamma-BHC (Lindane)	ND	U	0.0022	0.0022
76-44-8	Heptachlor	ND	U	0.0022	0.0022
309-00-2	Aldrin	ND	U	0.0022	0.0022
319-85-7	beta-BHC	ND	U	0.0022	0.0022
319-86-8	delta-BHC	0.00347		0.0022	0.0022
1024-57-3	Heptachlor Epoxide	ND	U	0.0022	0.0022
959-98-8	Endosulfan I	ND	U	0.0022	0.0022
5103-74-2	gamma-Chlordane	ND	U	0.0022	0.0022
5103-71-9	alpha-Chlordane	ND	U	0.0022	0.0022
72-55-9	4,4'-DDE	ND	U	0.0044	0.0044
60-57-1	Dieldrin	ND	U	0.0044	0.0044
72-20-8	Endrin	ND	U	0.0044	0.0044
33213-65-9	Endosulfan II	ND	U	0.0044	0.0044
72-54-8	4,4'-DDD	ND	U	0.0044	0.0044
50-29-3	4,4'-DDT	ND	U	0.0044	0.0044
7421-36-3	Endrin Aldehyde	ND	U	0.0044	0.0044
1031-07-8	Endosulfan Sulfate	ND	U	0.0044	0.0044
72-43-5	Methoxychlor	ND	U	0.022	0.022
53494-70-5	Endrin Ketone	ND	U	0.0044	0.0044
8001-35-2	Toxaphene	ND	U	0.11	0.11
12674-11-2	Aroclor-1016	ND	U	0.055	0.11
11104-28-2	Aroclor-1221	ND	U	0.055	0.11
11141-16-5	Aroclor-1232	ND	U	0.055	0.11
53469-21-9	Aroclor-1242	ND	U	0.055	0.11
12672-29-6	Aroclor-1248	ND	U	0.055	0.11
11097-69-1	Aroclor-1254	ND	U	0.055	0.11
11096-82-5	Aroclor-1260	ND	U	0.055	0.11
37324-23-5	Aroclor-1262	ND	U	0.055	0.11
11100-14-4	Aroclor-1268	ND	U	0.055	0.11

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 1564

Sample #: 1201592

Field ID: TWP-1

Client Name: BE

Matrix: Aqueous

Date Received: 03/01/12

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	12800	250	1	P	03/07/12
7440-36-0	Antimony	ND	5.00	1	P	03/13/12
7440-38-2	Arsenic	ND	2.00	1	P	03/13/12
7440-39-3	Barium	204	15.0	1	P	03/07/12
7440-41-7	Beryllium	1.94	1.00	1	P	03/13/12
7440-43-9	Cadmium	ND	4.00	1	P	03/07/12
7440-70-2	Calcium	346000	1250	5	P	03/07/12
7440-47-3	Chromium	32.9	10.0	1	P	03/07/12
7440-48-4	Cobalt	25.2	10.0	1	P	03/07/12
7440-50-8	Copper	64.5	10.0	1	P	03/07/12
7439-89-6	Iron	25700	150	1	P	03/07/12
7439-92-1	Lead	22.1	5.00	1	P	03/07/12
7439-95-4	Magnesium	174000	1250	5	P	03/07/12
7439-96-5	Manganese	1590	10.0	1	P	03/07/12
7439-97-6	Mercury	ND	.500	1	CV	03/05/12
7440-02-0	Nickel	38.3	10.0	1	P	03/07/12
7440-09-7	Potassium	17900	250	1	P	03/07/12
7782-49-2	Selenium	10.3	10.0	1	P	03/07/12
7440-22-4	Silver	ND	5.00	1	P	03/07/12
7440-23-5	Sodium	133000	1250	5	P	03/07/12
7440-28-0	Thallium	ND	2.00	1	P	03/13/12
7440-62-2	Vanadium	33.1	15.0	1	P	03/07/12
7440-66-6	Zinc	ND	100	1	P	03/07/12

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	1564	Matrix:	Aqueous (Dissolved)
Sample #:	1201592G	Date Received:	03/01/12
Field ID:	TWP-1		
Client Name:	BE		

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	ND	250	1	P	03/07/12
7440-36-0	Antimony	ND	5.00	1	P	03/13/12
7440-38-2	Arsenic	ND	2.00	1	P	03/13/12
7440-39-3	Barium	91.1	15.0	1	P	03/07/12
7440-41-7	Beryllium	ND	1.00	1	P	03/13/12
7440-43-9	Cadmium	ND	4.00	1	P	03/07/12
7440-70-2	Calcium	153000	1250	5	P	03/07/12
7440-47-3	Chromium	ND	10.0	1	P	03/07/12
7440-48-4	Cobalt	ND	10.0	1	P	03/07/12
7440-50-8	Copper	ND	10.0	1	P	03/07/12
7439-89-6	Iron	1320	150	1	P	03/07/12
7439-92-1	Lead	ND	5.00	1	P	03/07/12
7439-95-4	Magnesium	60500	1250	5	P	03/07/12
7439-96-5	Manganese	320	10.0	1	P	03/07/12
7439-97-6	Mercury	ND	.500	1	CV	03/05/12
7440-02-0	Nickel	ND	10.0	1	P	03/07/12
7440-09-7	Potassium	11500	250	1	P	03/07/12
7782-49-2	Selenium	ND	10.0	1	P	03/07/12
7440-22-4	Silver	ND	5.00	1	P	03/07/12
7440-23-5	Sodium	133000	1250	5	P	03/07/12
7440-28-0	Thallium	ND	2.00	1	P	03/13/12
7440-62-2	Vanadium	ND	15.0	1	P	03/07/12
7440-66-6	Zinc	ND	100	1	P	03/07/12

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	1564	Matrix:	Aqueous
Sample #:	1201592	Date Received:	03/01/12
Client Name:	BE		
Field Number:	TWP-1		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Cyanide, Total	ND	0.02	mg/L	1.	ND	0.02	03/08/12

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

AIR CANISTER SAMPLING DATA SHEET

SITE NAME: 400 Rider Street
STREET ADDRESS : 400 Rider Street, Bronx, NY

Sample Date:	2/29/12	**BES Job # :**	10BR020
Field ID# and Depth:	SV-1 (9')	**Sampled By:**	Duane Shinton
Canister#	3035a	**Size of Canister:**	6 Liter
Regulator#	A0070621-6	**Sample Type:**	Soil Vapor

Sampling Information

AMBIENT OUTDOOR READINGS		
	Temperature (F)	Barometric Pressure (inches of Hg)
Start	42	29.6
Stop	43	29.6

INTERIOR TEMPERATURE (F)	
Start	Not Applicable
Stop	Not Applicable

CANISTER PRESSURE (inches of Hg)	
Start	-28.5
Stop	-3.5

SAMPLING TIME (24-hour-clock)	
Start	1034
Stop	1314
Total Elapsed Sampling Time: 2 Hours, 40 Minutes	

Duane Shinton
Geologist

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

AIR CANISTER SAMPLING DATA SHEET

SITE NAME: 400 Rider Street
STREET ADDRESS : 400 Rider Street, Bronx, NY

Sample Date:	2/29/12	**BES Job # :**	10BR020
Field ID# and Depth:	SV-2 (8')	**Sampled By:**	Duane Shinton
Canister#	4852	**Size of Canister:**	6 Liter
Regulator#	A0098643-4	**Sample Type:**	Soil Vapor

Sampling Information

AMBIENT OUTDOOR READINGS		
	Temperature (F)	Barometric Pressure (inches of Hg)
Start	42	29.6
Stop	43	29.6

INTERIOR TEMPERATURE (F)	
Start	Not Applicable
Stop	Not Applicable

CANISTER PRESSURE (inches of Hg)	
Start	-30.0
Stop	-4.0

SAMPLING TIME (24-hour-clock)	
Start	1107
Stop	1339
Total Elapsed Sampling Time: 2 Hours, 32 Minutes	

Duane Shinton
Geologist

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

AIR CANISTER SAMPLING DATA SHEET

SITE NAME: 400 Rider Street
STREET ADDRESS : 400 Rider Street, Bronx, NY

Sample Date:	2/29/12	**BES Job # :**	10BR020
Field ID# and Depth:	SV-3 (4')	**Sampled By:**	Duane Shinton
Canister#	3054	**Size of Canister:**	6 Liter
Regulator#	A0070633-6	**Sample Type:**	Soil Vapor

Sampling Information

AMBIENT OUTDOOR READINGS		
	Temperature (F)	Barometric Pressure (inches of Hg)
Start	43	29.6
Stop	43	29.6

INTERIOR TEMPERATURE (F)	
Start	Not Applicable
Stop	Not Applicable

CANISTER PRESSURE (inches of Hg)	
Start	-30.0
Stop	-4.0

SAMPLING TIME (24-hour-clock)	
Start	1137
Stop	1420
Total Elapsed Sampling Time: 2 Hours, 43 Minutes	

Duane Shinton
Geologist

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

AIR CANISTER SAMPLING DATA SHEET

SITE NAME: 400 Rider Street
STREET ADDRESS : 400 Rider Street, Bronx, NY

Sample Date:	2/29/12	**BES Job # :**	10BR020
Field ID# and Depth:	SV-4 (6')	**Sampled By:**	Duane Shinton
Canister#	3038A	**Size of Canister:**	6 Liter
Regulator#	7342076	**Sample Type:**	Soil Vapor

Sampling Information

AMBIENT OUTDOOR READINGS		
	Temperature (F)	Barometric Pressure (inches of Hg)
Start	43	29.6
Stop	43	29.6

INTERIOR TEMPERATURE (F)	
Start	58
Stop	58

CANISTER PRESSURE (inches of Hg)	
Start	-28.0
Stop	-4.0

SAMPLING TIME (24-hour-clock)	
Start	1229
Stop	1453
Total Elapsed Sampling Time: 2 Hours, 24 Minutes	

Duane Shinton
Geologist

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

AIR CANISTER SAMPLING DATA SHEET

SITE NAME: 400 Rider Street
STREET ADDRESS : 400 Rider Street, Bronx, NY

Sample Date:	2/29/12	**BES Job # :**	10BR020
Field ID# and Depth:	SV-5 (6')	**Sampled By:**	Duane Shinton
Canister#	2093	**Size of Canister:**	6 Liter
Regulator#	A0070622-3	**Sample Type:**	Soil Vapor

Sampling Information

AMBIENT OUTDOOR READINGS		
	Temperature (F)	Barometric Pressure (inches of Hg)
Start	43	29.6
Stop	42	29.5

INTERIOR TEMPERATURE (F)	
Start	Not Applicable
Stop	Not Applicable

CANISTER PRESSURE (inches of Hg)	
Start	-30.0
Stop	-8.0

SAMPLING TIME (24-hour-clock)	
Start	1308
Stop	1551
Total Elapsed Sampling Time: 2 Hours, 43 Minutes	

Duane Shinton
Geologist

EPA TO-15 DATA PACKAGE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project#: 400 Rider Street — **Contract #: NA**
SDG #: E12-02139 — **NJDEP Certification#: 14751**
Date of first sample receipt: 3/5/2012 — **Date of last sample receipt: 3/5/2012**

Client: Brinkerhoff Environmental Services

Project/Site: 400 Rider Street/NA

Client Sample Number	Laboratory Sample	Sample Location	Date/Time of Collection
SV-1	E12-02139-01	NA	2/29/2012 10:34
SV-2	E12-02139-02	NA	2/29/2012 11:07
SV-3	E12-02139-03	NA	2/29/2012 11:37
SV-4	E12-02139-04	NA	2/29/2012 12:29
SV-5	E12-02139-05	NA	2/29/2012 13:08

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of data contained in this hardcopy data package and in the computer-readable data submitted on CD/diskette and by electronic mail has been authorized by the laboratory manager or his designee, as verified by the following signature.

Michael H. Leftin, Ph.D.
Laboratory Director

Date: March 15, 2012

Jeri Rossi
Quality Assurance Officer

Date: March 15, 2012

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project #: 400 Rider Street — **Contract#: NA**
SDG #: E12-02139 — **NJDEP Certification#: 14751**
Date of first sample receipt: 3/5/2012 — **Date of last sample receipt: 3/5/2012**

Client: Brinkerhoff Environmental Services
Project/Site: 400 Rider Street / NA

Client ID	Lab ID	Receipt Date	Analysis Date	DF	Diluted For
SV-1	E12-02139-01	03/05/2012	03/06/2012	1.0	NA
SV-2	E12-02139-02	03/05/2012	03/07/2012	1.0	NA
SV-3	E12-02139-03	03/05/2012	03/07/2012	1.0	NA
SV-4	E12-02139-04	03/05/2012	03/07/2012	1.0	NA
SV-5	E12-02139-05	03/05/2012	03/07/2012	1.0	NA

Sample Receipt: Samples were received in good condition. Documentation was in order.
Samples were received at IAL by: Padraic Jenkins

Sample Preparation: None required.

Sample Analysis:
Hold Time: All within recommended hold times.
Instrument Calibration: Meets method criteria.
Analysis performed by: Jeff Schmitt
Analysis nonconformities: none
Dilutions: Dilutions, if necessary, will be conducted directly on the instrument up to a 50x dilution. When dilutions of 100x to 50,000x are necessary, the laboratory must inject a volume of sample into another certified clean canister and add humidified Z-1 zero air to the remainder of the canister volume. Tedlar bags are not used for dilutions.

On-instrument dilutions are conducted as follows:

Dilution Factor	Sample Volume Injected
1	500ml
2.5	200ml
5	100ml
10	50ml
20	25ml
25	20ml
50	10ml

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC
Project #: 400 Rider Street
SDG #: E12-02139
Date of first sample receipt: 3/5/2012

Randolph, NJ 07869
Contract#: NA
NJDEP Certification#: 14751
Date of last sample receipt: 3/5/2012

Client: Brinkerhoff Environmental Services
Project/Site: 400 Rider Street / NA

Canister-to-canister dilutions are conducted as follows:

A certified clean canister is obtained and evacuated to approximately -30"Hg. Both the clean/dilution canister and sample canister are fitted with a ¼" Swagelok® nut fitting equipped with septa. Depending on dilution factor necessary, a sample aliquot is removed from the canister and injected into the clean canister using 30cc Multifit gas-tight syringe. Once the correct sample aliquot has been transferred, the dilution canister should be connected to the humidified Z-1 zero air supply and filled to ambient pressure (0"Hg).

Dilution Factor	Sample Aliquot	Z-1 Make-up Added
100	60ml	5940ml
1000	6ml	5994ml

If further dilutions need to be made from the dilution canister, they may be made on-instrument. Using a 100x dilution canister, the following on-instrument dilutions can be produced:

Dilution Factor	Sample Volume Injected
100	500ml
250	200ml
500	100ml
1000	50ml
2000	25ml
2500	20ml
5000	10ml

Using a 1000x dilution canister, the following on-instrument dilutions can be produced:

Dilution Factor	Sample Volume Injected
1000	500ml
2500	200ml
5000	100ml
10,000	50ml
20,000	25ml
25,000	20ml
50,000	10ml

If further dilutions need to be made from the dilution canister, beyond 50,000x, a subsequent canister-to-canister dilution must be made using the above prescribed protocol.

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project #: 400 Rider Street — **Contract#: NA**
SDG #: E12-02139 — **NJDEP Certification#: 14751**
Date of first sample receipt: 3/5/2012 — **Date of last sample receipt: 3/5/2012**

Client: Brinkerhoff Environmental Services
Project/Site: 400 Rider Street / NA

GC Column and ID: Instrument AA: RTX-1 SN 922567, Instrument AF: RTX-1 SN 869201

Calibration Standards: Only gas phase standards were used. Primary and second-source standards provided by Scott Specialty Gases / Air Liquide

Working Standards: Primary source calibration standards [the Initial Calibration Curve (ICAL), the Daily Calibration Standard (DCVS), and the Reporting Limit Laboratory Control Sample (RLLCS)] are created using 2 certified-clean canisters, depending on concentration necessary.

Primary source standards are created from Scott Gas, Cylinder #ALM031705 (starting 5/26/11 through 5/23/12) @ 100ppb per compound, with exception of m&p-xylenes @ 200ppb. Standard is directly introduced into the instrument for 40ppbv, 20ppbv, 10ppbv, and 2ppbv concentrations. Dilutions are made accordingly, on instrument, with humidified clean air. A canister for the 0.20ppbv standard is prepared and contains a standard at 1ppbv (2ppbv m&p-xylenes). A 1:5 dilution is made from this canister.

The second source standard, or the Initial Calibration Verification Standard (ICVSS), is
introduced into the instrument in the same manner as the primary source standard, using Scott Gas, Cylinder #AAL071685 (starting 5/23/11 through 4/25/12) @ 100ppb per compound, with exception of m&p-xylenes @ 200ppb.

Internal standards are created from Scott Gas, Cylinder #ALM012015 @ 100ppb per compound. Standard is directly introduced into the instrument to reach the 10ppbv concentrations. 1:10 Dilutions are made on instrument with humidified clean air. 50ml of internal standard is added to every standard, method blank, instrument blank, and sample run.

02/13/2012

100 ppbv internal standard mix - prepared in cylinder #ALM012015
10 ppbv per standard/sample - 50 ml injected

100 ppbv calibration standard - prepared in cylinder #ALM031705.
40 ppbv standard - 200 ml injected
20 ppbv standard - 100 ml injected
10 ppbv standard* - 50 ml injected
*Standard also used for CCCVS
2 ppbv standard - 10 ml injected

1 ppbv calibration standard - prepared in canister #2066.
0.20 ppbv standard* - 100ml injected
*Standard also used for RLLCS

03/06/2012

100 ppbv internal standard mix - prepared in cylinder #ALM012015

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project #: 400 Rider Street — **Contract#: NA**
SDG #: E12-02139 — **NJDEP Certification#: 14751**
Date of first sample receipt: 3/5/2012 — **Date of last sample receipt: 3/5/2012**

Client: Brinkerhoff Environmental Services
Project/Site: 400 Rider Street / NA

03/06/2012

10 ppbv per standard/sample - 50 ml injected

100 ppbv calibration standard - prepared in cylinder #ALM031705.
10 ppbv standard* - 50 ml injected
*Standard also used for DCVS & CCCVS

1 ppbv calibration standard - prepared in canister #2066.
0.20 ppbv standard* - 100ml injected
*Standard also used for RLLCS

Method Blank - prepared in canister #3813.
500ml injected

Sample E12-02139-01 - sample taken in canister #3035A
500ml sample volume injected, 1x dilution

Sample E12-02139-02 - sample taken in canister #4852
500ml sample volume injected, 1x dilution

Sample E12-02139-03 - sample taken in canister #3054
500ml sample volume injected, 1x dilution

03/07/2012

100 ppbv internal standard mix - prepared in cylinder #ALM012015
10 ppbv per standard/sample - 50 ml injected

100 ppbv calibration standard - prepared in cylinder #ALM031705.
10 ppbv standard* - 50 ml injected
*Standard also used for DCVS & CCCVS

1 ppbv calibration standard - prepared in canister #2066.
0.20 ppbv standard* - 100ml injected
*Standard also used for RLLCS

Method Blank - prepared in canister #3813.
500ml injected

Sample E12-02139-04 - sample taken in canister #3038A
500ml sample volume injected, 1x dilution

Sample E12-02139-05 - sample taken in canister #2093
500ml sample volume injected, 1x dilution

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC
Project #: 400 Rider Street
SDG #: E12-02139
Date of first sample receipt: 3/5/2012

Randolph, NJ 07869
Contract#: NA
NJDEP Certification#: 14751
Date of last sample receipt: 3/5/2012

Client: Brinkerhoff Environmental Services
Project/Site: 400 Rider Street / NA

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. All conversions are based upon a room temperature of 77°F(25°C) and room pressure of 101.325 kPa (1atm).

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of data contained in this hardcopy data package and in the computer-readable data submitted on CD/diskette and by electronic mail has been authorized by the laboratory manager or his designee, as verified by the following signature.

Michael H. Leftin, Ph.D.
Laboratory Director

March 15, 2012
Date

CERTIFICATE OF ANALYSIS

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project#: 400 Rider Street — **Contract #: NA**
SDG #: E12-02139 — **NJDEP Certification#: 14751**
Date of first sample receipt: 3/5/2012 — **Date of last sample receipt: 3/5/2012**

Client: Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attention: Attention: Doug Harm

Project/Site: 400 Rider Street/NA

Analysis conducted at: Integrated Analytical laboratories, LLC
273 Franklin Road
Randolph, NJ 07869
Contact: Michael H. Leftin, Ph.D.

NJDEP number: 14751
ELAP lab number: 11402

Sample(s):
E12-02139-01
E12-02139-02
E12-02139-03
E12-02139-04
E12-02139-05

CERTIFICATE OF ANALYSIS

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project#: 400 Rider Street — **Contract #: NA**
SDG #: E12-02139 — **NJDEP Certification#: 14751**
Date of first sample receipt: 3/5/2012 — **Date of last sample receipt: 3/5/2012**

Samples for this analysis were received in good condition with a chain of custody.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Once analysis has been performed on canisters that meets regulatory criteria, samples are recycled for future use, unless other provisions have been made by the client.

Michael Leftin

Michael H. Leftin, Ph.D.
Laboratory Director

Date: March 15, 2012

Integrated Analytical Laboratories LLC
Summary Report
IAL SDG: E12-02139

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736

Attn: Doug Harm
Project: 400 Rider Street
Site: NA

Sample Name:		SV-1			SV-2			SV-3			SV-4			SV-5		
IAL ID:		E12-02139-01			E12-02139-02			E12-02139-03			E12-02139-04			E12-02139-05		
Compound	CAS#	Q	ug/m3	RL ug/m3	Q	ug/m3	RL ug/m3	Q	ug/m3	RL ug/m3	Q	ug/m3	RL ug/m3	Q	ug/m3	RL ug/m3
Benzene	71-43-2		16	0.64		7.8	0.64		5.0	0.64		8.1	0.64		5.6	0.64
Chloroform	67-66-3		0.98	0.98		ND	0.98		ND	0.98		ND	0.98		1.6	0.98
Chloromethane	74-87-3		ND	0.41		1.2	0.41		0.99	0.41		1.1	0.41		1.2	0.41
Carbon tetrachloride	56-23-5		ND	0.25		0.38	0.25		0.32	0.25		0.32	0.25		0.32	0.25
Cyclohexane	110-82-7		4.6	0.69		3.8	0.69		2.8	0.69		4.0	0.69		2.5	0.69
Dichlorodifluoromethane	75-71-8		2.8	0.99		2.8	0.99		2.9	0.99		3.0	0.99		2.7	0.99
Ethanol	64-17-5		34	0.38		32	0.38		38	0.38		46	0.38		27	0.38
Ethylbenzene	100-41-4		17	0.87		17	0.87		15	0.87		12	0.87		12	0.87
n-Hexane	110-54-3		14	0.71		11	0.71		16	0.71		17	0.71		10	0.71
Methylene chloride	75-09-2		ND	0.70		0.94	0.70		1.3	0.70		13	0.70		6.6	0.70
Methyl ethyl ketone	78-93-3		6.5	0.59		3.1	0.59		1.8	0.59		3.1	0.59		3.2	0.59
Tert-butyl alcohol	75-65-0		ND	0.61		ND	0.61		0.70	0.61		0.67	0.61		0.94	0.61
Tetrachloroethene	127-18-4		ND	1.4		1.7	1.4		ND	1.4		ND	1.4		ND	1.4
Toluene	108-88-3		90	0.75		104	0.75		68	0.75		68	0.75		52	0.75
1,1,1-Trichloroethane	71-55-6		ND	1.1		ND	1.1		ND	1.1		2.8	1.1		ND	1.1
Trichloroethene	79-01-6		ND	0.25		0.27	0.25		ND	0.25		11	0.25		1.7	0.25
Trichlorofluoromethane	75-69-4		9.3	1.1		1.5	1.1		1.6	1.1		1.9	1.1		1.7	1.1
1,2,4-Trimethylbenzene	95-63-6		9.7	0.98		12	0.98		13	0.98		9.3	0.98		11	0.98
1,3,5-Trimethylbenzene	108-67-8		3.4	0.98		4.2	0.98		4.3	0.98		3.1	0.98		3.5	0.98
2,2,4-Trimethylpentane	540-84-1		6.7	0.93		5.4	0.93		4.7	0.93		7.4	0.93		4.1	0.93
Xylenes (m&p)	179601-23-1		59	0.87		62	0.87		56	0.87		45	0.87		45	0.87
Xylenes (o)	95-47-6		18	0.87		20	0.87		18	0.87		15	0.87		16	0.87
Xylenes - TOTAL	1330-20-7		77	1.74		82	1.74		74	1.74		60	1.74		61	1.74

Integrated Analytical Laboratories LLC

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 400 Rider Street
Site: NA

Report Date: 3/14/12
SDG Number: E12-02139
Date Received: 3/5/12
Date Analyzed: 03/06/12
Data File: AF5018
Summa ID: 3035A

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-1		Reporting Limits	
	IAL ID:	E12-02139-01			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	5.0	16	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	1.0
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	0.20	0.98	0.20	0.98
Chloromethane	74-87-3	ND	ND	0.20	0.41
Carbon tetrachloride	56-23-5	ND	ND	0.04	0.25
Cyclohexane	110-82-7	1.3	4.6	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	ND	ND	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.57	2.8	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	18	34	0.20	0.38
Ethylbenzene	100-41-4	3.8	17	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	4.1	14	0.20	0.71
Methylene chloride	75-09-2	ND	ND	0.20	0.70
Methyl ethyl ketone	78-93-3	2.2	6.5	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	ND	ND	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	ND	ND	0.20	1.4
Toluene	108-88-3	24	90	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND	ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	ND	ND	0.05	0.25
Trichlorofluoromethane	75-69-4	1.7	9.3	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	2.0	9.7	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.70	3.4	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	1.4	6.7	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	14	59	0.20	0.87
Xylenes (o)	95-47-6	4.0	18	0.20	0.87

Integrated Analytical Laboratories LLC

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 400 Rider Street
Site: NA

Report Date: 3/14/12
SDG Number: E12-02139
Date Received: 3/5/12
Date Analyzed: 03/07/12
Data File: AF5020
Summa ID: 4852

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-2		Reporting Limits	
	IAL ID:	E12-02139-02			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	2.4	7.8	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	1.0
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	ND	ND	0.20	0.98
Chloromethane	74-87-3	0.57	1.2	0.20	0.41
Carbon tetrachloride	56-23-5	0.06	0.38	0.04	0.25
Cyclohexane	110-82-7	1.1	3.8	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	ND	ND	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.57	2.8	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	17	32	0.20	0.38
Ethylbenzene	100-41-4	3.9	17	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	3.0	11	0.20	0.71
Methylene chloride	75-09-2	0.27	0.94	0.20	0.70
Methyl ethyl ketone	78-93-3	1.1	3.1	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	ND	ND	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	0.25	1.7	0.20	1.4
Toluene	108-88-3	28	104	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND	ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	0.05	0.27	0.05	0.25
Trichlorofluoromethane	75-69-4	0.26	1.5	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	2.5	12	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.85	4.2	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	1.2	5.4	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	14	62	0.20	0.87
Xylenes (o)	95-47-6	4.6	20	0.20	0.87

Integrated Analytical Laboratories LLC

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 400 Rider Street
Site: NA

Report Date: 3/14/12
SDG Number: E12-02139
Date Received: 3/5/12
Date Analyzed: 03/07/12
Data File: AF5022
Summa ID: 3054

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-3		Reporting Limits	
	IAL ID:	E12-02139-03			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	1.6	5.0	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	1.0
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	ND	ND	0.20	0.98
Chloromethane	74-87-3	0.48	0.99	0.20	0.41
Carbon tetrachloride	56-23-5	0.05	0.32	0.04	0.25
Cyclohexane	110-82-7	0.81	2.8	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	ND	ND	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.58	2.9	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	20	38	0.20	0.38
Ethylbenzene	100-41-4	3.5	15	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	4.5	16	0.20	0.71
Methylene chloride	75-09-2	0.38	1.3	0.20	0.70
Methyl ethyl ketone	78-93-3	0.61	1.8	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	0.23	0.70	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	ND	ND	0.20	1.4
Toluene	108-88-3	18	68	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND	ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	ND	ND	0.05	0.25
Trichlorofluoromethane	75-69-4	0.28	1.6	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	2.6	13	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.87	4.3	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	1.0	4.7	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	13	56	0.20	0.87
Xylenes (o)	95-47-6	4.2	18	0.20	0.87

Integrated Analytical Laboratories LLC

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 400 Rider Street
Site: NA

Report Date: 3/14/12
SDG Number: E12-02139
Date Received: 3/5/12
Date Analyzed: 03/07/12
Data File: AF5042
Summa ID: 3038A

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-4		Reporting Limits	
	IAL ID:	E12-02139-04			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	2.5	8.1	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	1.0
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	ND	ND	0.20	0.98
Chloromethane	74-87-3	0.53	1.1	0.20	0.41
Carbon tetrachloride	56-23-5	0.05	0.32	0.04	0.25
Cyclohexane	110-82-7	1.2	4.0	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	ND	ND	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.60	3.0	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	25	46	0.20	0.38
Ethylbenzene	100-41-4	2.9	12	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	4.8	17	0.20	0.71
Methylene chloride	75-09-2	3.8	13	0.20	0.70
Methyl ethyl ketone	78-93-3	1.0	3.1	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	0.22	0.67	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	ND	ND	0.20	1.4
Toluene	108-88-3	18	68	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	0.51	2.8	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	2.0	11	0.05	0.25
Trichlorofluoromethane	75-69-4	0.34	1.9	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	1.9	9.3	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.62	3.1	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	1.6	7.4	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	10	45	0.20	0.87
Xylenes (o)	95-47-6	3.4	15	0.20	0.87

Integrated Analytical Laboratories LLC

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 400 Rider Street
Site: NA

Report Date: 3/14/12
SDG Number: E12-02139
Date Received: 3/5/12
Date Analyzed: 03/07/12
Data File: AF5043
Summa ID: 2093

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-5		Reporting Limits	
	IAL ID:	E12-02139-05			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	1.8	5.6	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	1.0
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	0.33	1.6	0.20	0.98
Chloromethane	74-87-3	0.56	1.2	0.20	0.41
Carbon tetrachloride	56-23-5	0.05	0.32	0.04	0.25
Cyclohexane	110-82-7	0.72	2.5	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	ND	ND	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.54	2.7	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	14	27	0.20	0.38
Ethylbenzene	100-41-4	2.8	12	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	3.0	10	0.20	0.71
Methylene chloride	75-09-2	1.9	6.6	0.20	0.70
Methyl ethyl ketone	78-93-3	1.1	3.2	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	0.31	0.94	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	ND	ND	0.20	1.4
Toluene	108-88-3	14	52	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND	ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	0.32	1.7	0.05	0.25
Trichlorofluoromethane	75-69-4	0.30	1.7	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	2.2	11	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.72	3.5	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	0.88	4.1	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	10	45	0.20	0.87
Xylenes (o)	95-47-6	3.6	16	0.20	0.87

Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

External Chain of Custody Record/ Field Test Data Sheet USEPA Method TO-15

02139

fax: 973 366-5613
Web: www.ialonline.com

Carrier (check one): ✓ IAL Courier ___ Client Courier ___ FedEx ___ 1 of 1 COCs

Client Contact Information

Company: Brinkerhoff Environmental
Address: 1905 Atlantic AVE
City/State/Zip: Manasquan, NJ 08736
Phone: 732-223-2225
Fax:

Project Information

Project Name: 400 Rider Street
Project Manager: Doug Harm
PM Signature: for Doug Harm
PM E-Mail: dharm@brinkenv.com
Sampler: Duane Shinton

ALL FIELDS IN RED ARE REQUIRED

Site:
Site Contact:

Invoice Information

PO Number: 10BR020

Analysis Turnaround Time (IF NO DATE IS SPECIFIED, 2 WEEK TAT IS ASSUMED)

Standard: 2 weeks (10 business days) Results needed by: ___
Rush (Specify Lab-Approved TAT): ___

Barometric Pressure

Start ___ Stop ___

Sample Identification	Start DATE & TIME (24 Hr Clock / Military Time)	End DATE & TIME (24 Hr Clock / Military Time)	Starting Canister Pressure in Field ("Hg)	Ending Canister Pressure in Field ("Hg)	Starting Temp. (°F)	Ending Temp. (°F)	Outgoing Canister Pressure in Lab ("Hg)	Incoming Canister Pressure in Lab ("Hg)	Flow Regulator ID	Canister ID	Canister Size (L)	Flow Controller Readout (cc/min)	EPA TO - 15	NJDEP LLTO-15	Library Search (Specify 10, 20, or 30 TICs)	Other (Explain Below)	NJDEP Regulatory Data Package	NJDEP Reduced Data Package (LLTO-15 Only)	NYSDEC / DOH Data Package	Other Data Package Type (Explain Below)	Results Only (No Data Package)	Indoor / Amblent Air	Soil Gas / Sub or Near Slab	Stack Emissions
SV-1	2-29-12 / 1034	2/29/12 - 1314	-28.5	-3.5	40	45			A0070621-6	3035a	6		X								X		X	
SV-2	2-29-12 / 1107	2/29/12 - 1339	-30	-4	40	45			A0078643-4	4852	6		X								X		X	
SV-3	2-29-12 / 1137	2/29/12 - 1420	-30	-4	42	45			A0070633-6	3054	6		X								X		X	
SV-4	2-29-12 / 1229	2-29-12 / 1453	-28	-4	45	45			7342076	3038 A	6		X								X		X	
SV-5	2-29-12 / 1308	2-29-12 / 1551	-30	-8	45	45			A0070622-3	7093	6		X								X		X	

Comments / Special Analysis Instructions / QC Requirements

Note: Hold or contingent samples may be designated by writing an "H" or "C" in the appropriate analysis method box. If additional analysis instructions are necessary, please use the "Comments" section

Shipping Information / Canister Preparation (for Laboratory use only)

Individual Preparing Canisters / Title: Joseph Walukiewicz / Air Department Sample Custodian
Lab Affixed Seal Number(s): TAL 20120092-93
Date/Time Shipping Container Sealed: 2/22/12 15:00

Laboratory Canister Certification

GC/MS Analyst Signature ___

External Chain of Custody

Relinquished	Received	Time/Date	Reason for Change of External Custody shipment from laboratory to client
[signature]	[signature]	15:00 2/22/12	
Frank Lowell	Frank Lowell	8:00 3/2/12	
	[signature]	8:15 3/5/12	received at air lab

Individual Resealing Shipping Container Name:
Time/Date Sample Shipping Container Resealed:
Time/Date Sample Shipping Container Opened:
Time/Date Internal Chain of Custody Initiated:

Title:
NJDEP Affixed Seal Number:
Individual Opening Sample Shipping Container: Joseph Walukiewicz

White and yellow - lab copies; Pink - client copy

Use appropriate care with IAL sampling equipment when sampling and packing for shipment. The client is responsible for all damage incurred to IAL equipment. Notify IAL if equipment is damaged upon receipt. Holding time before sampling is 15 days, after sampling is 30 days; failure to follow these times may result in data rejection by regulatory agencies. The lab will contact you if your COC is not clear, incomplete, or if discrepancies exist. The use of initials is not permitted on the COC except when correcting errors.

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
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