CHICKEN ISLAND

WESCHESTER COUNTY

YONKERS, NEW YORK

SITE MANAGEMENT PLAN

NYSDEC Site Number: C360083

Prepared for:

SFC Yonkers, LLC

225 Millburn Avenue

Suite 202

Millburn, NJ 07041

Prepared by:

SESI Consulting Engineers D.P.C.

12A Maple Avenue,

Pine Brook, NJ 07058

973-808-9050

Revisions to Final Approved Site Management Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date

JULY 2017/ REVISED OCTOBER 2017

CERTIFICATION STATEMENT

I, FUAD DAHAN, certify that I am currently a NYS registered professional engineer as in defined in 6 NYCRR Part 375 and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

_____ P.E.

11-14-2017 DATE

CHICKEN ISLAND
WESCHESTER COUNTY
YONKERS, NEW YORK

SITE MANAGEMENT PLAN

Table of Contents

TABLE OF CONTENTS (Continued)

List of Tables

List of Figures

TABLE OF CONTENTS (Continued)

List of Appendices

List of Acronyms

AS	Air Sparging
ASP	Analytical Services Protocol
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CAMP	Community Air Monitoring Plan
C/D	Construction and Demolition
CFR	Code of Federal Regulation
CLP	Contract Laboratory Program
COC	Certificate of Completion
CO2	Carbon Dioxide
CP	Commissioner Policy
DER	Division of Environmental Remediation
EC	Engineering Control
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
ERP	Environmental Restoration Program
EWP	Excavation Work Plan
GHG	Green House Gas
GWE&T	Groundwater Extraction and Treatment
HASP	Health and Safety Plan
IC	Institutional Control
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
O&M	Operation and Maintenance
OM&M	Operation, Maintenance and Monitoring
OSHA	Occupational Safety and Health Administration
OU	Operable Unit
PID	Photoionization Detector
PRP	Potentially Responsible Party
PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RP	Remedial Party
RSO	Remedial System Optimization
SAC	State Assistance Contract
SCG	Standards, Criteria and Guidelines

SCO	Soil Cleanup Objective
SMP	Site Management Plan
SOP	Standard Operating Procedures
SOW	Statement of Work
SPDES	State Pollutant Discharge Elimination System
SSD	Sub-slab Depressurization
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VCA	Voluntary Cleanup Agreement
VCP	Voluntary Cleanup Program

EXECUTIVE SUMMARY

The following provides a brief summary of the controls implemented for the Site, as well as the inspections, monitoring, maintenance and reporting activities required by this Site Management Plan:

Site Identification: No.C360083, Chicken Island, Yonkers, NY

Institutional Controls:	1. The property may be used for restricted residential, industrial or commercial use;	
	2. Environmental Easement and a Site Management Plan (SMP).	
Engineering Controls:	1. Composite Capping System	
	2. Sub-Slab Depressurization System (SSDS), if necessary, and Groundwater Monitored Natural Attenuation	
Inspections:		Frequency
1. Composite Capping System 2. Sub-Slab Depressurization System (SSDS)		Annually Annually
Monitoring:		
1. Groundwater Monitoring Wells 2. Sub slab soil gas in existing buildings		Annually Biennial
Reporting:		
1. Groundwater Monitoring Data		When sampled
2. Sub slab sampling data		When sampled
2. Periodic Review Report		Annually

Further descriptions of the above requirements are provided in detail in the latter sections of this Site Management Plan.

1.0 INTRODUCTION

1.1 General

This Site Management Plan (SMP) is a required element of the remedial program for the Chicken Island New York State Brownfield Cleanup Program (BCP), Site No. C360083 located in Yonkers, New York (hereinafter referred to as the "Site"). See Figure 1.1.

SFC Yonkers, LLC entered into a Brownfield Cleanup Agreement (BCA), on December 12, 2006 with the NYSDEC to remediate the Site and additional parcels located west of New School Street totaling 13.4 acres. However, acquisition of the parcels west of New School Street has not occurred. Therefore, the BCP Site boundary was reduced to its current configuration as reflected in the BCP Application Amendment approved by the NYSDEC on May 24, 2017. The BCP Site was reduced to 7.194 acres of real property located between Palisade Avenue, New School Street, Nepperhan Avenue, and New Main Street in Yonkers, NY (the "Reduced BCP Site"; hereinafter the Reduced BCP Site is referred to as the "Site"). A figure showing the Site location and boundaries is provided in Figure 1.2. A planned park area ("Park"), which is a part of the Site, and noted in Figure 1.2, was remediated by the City of Yonkers (COY). The Park will be owned and operated as a public area by the COY. The long-term maintenance of the engineering controls in the Park are included in this SMP. The park is currently under construction, which will continue after issuance of the certificate of completion (COC). However, the Composite Capping System (CCS) in the park has been completed and will be maintained, and if required repaired, by COY during the construction project.

A portion of the Saw Mill River runs in culvert through the Site and open channel through the Park. Pursuant to another BCA Amendment submitted to the Department on June 15, 2017, and approved on August 21, 2017, the Saw Mill River (0.26 acres) was also excluded from the Site boundaries since it is land under water (LUW). The remedial action and this SMP do not cover the LUW. Therefore, the final size of the BCP Site is 6.934 acres. *See* Figure 1.2 showing the Reduced BCP Site and excluded LUW.

After completion of the remedial work, some contamination was left at this Site, which is hereafter referred to as "remaining contamination". Institutional and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to the remaining contamination to ensure protection of public health and the environment. Three Environmental Easements were granted to the NYSDEC, and recorded by the three respective owners of the Site with the Westchester County Clerk, and each requires compliance with this SMP and all ECs and ICs placed on the site.

This SMP was prepared to manage remaining contamination at the Site until the Environmental Easements are extinguished in accordance with ECL Article 71, Title 36. This plan has been approved by the NYSDEC, and compliance with this plan is required by the grantors of the Environmental Easement and their successors and assigns. This SMP may only be revised with the approval of the NYSDEC.

It is important to note that:

- This SMP details the site-specific implementation procedures that are required by the Environmental Easements. Failure to properly implement the SMP is a violation of the Environmental Easements, which is grounds for revocation of the Certificate of Completion (COC);

- Failure to comply with this SMP is also a violation of Environmental Conservation Law, 6 NYCRR Part 375 and the BCA, (Index # A3-0572-1006; Site #C360083) for the Site, and thereby subject to applicable penalties.

All reports associated with the Site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State. A list of contacts for persons involved with the site is provided in Appendix A of this SMP.

This SMP was prepared by SESI Consulting Engineers, D.P.C. (SESI), on behalf of SFC Yonkers, LLC, in accordance with the requirements of the NYSDEC's DER-10 ("Technical Guidance for Site Investigation and Remediation"), dated July 2017, and the guidelines provided by the NYSDEC. This SMP addresses the means for implementing the ICs and/or ECs that are required by the Environmental Easements for the Site.

1.2 Revisions

Revisions to this plan will be proposed in writing to the NYSDEC's project manager. Revisions will be necessary upon, but not limited to, the following occurring: a change in media monitoring requirements, upgrades to or shut-down of a remedial system, post-remedial removal of contaminated sediment or soil, or other significant change to the site conditions. In accordance with the Environmental Easements for the Site, the NYSDEC will provide a notice of any approved changes to the SMP, and append these notices to the SMP that is retained in its files.

1.3 Notifications

Notifications will be submitted by the property owner to the NYSDEC, as needed, in accordance with NYSDEC's DER – 10 for the following reasons:

- 60-day advance notice of any proposed changes in site use that are required under the terms of the BCA, 6NYCRR Part 375 and/or Environmental Conservation Law.
- 7-day advance notice of any field activity associated with the remedial program.
- 15-day advance notice of any proposed ground-intrusive activity pursuant to the Excavation Work Plan.
- Notice within 48-hours of any damage or defect to the foundation, structures or EC that reduces or has the potential to reduce the effectiveness of an EC, and likewise, any action to be taken to mitigate the damage or defect.
- Verbal notice by noon of the following day of any emergency, such as a fire; flood; or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the site, with written confirmation within 7 days that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.
- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action submitted to the NYSDEC within 45 days describing and documenting actions taken to restore the effectiveness of the ECs.

Any change in the ownership of the site or the responsibility for implementing this SMP will include the following notifications:

- At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser/Remedial Party has been provided with a copy of the Brownfield Cleanup Agreement (BCA), and all approved work plans and reports, including this SMP.

- Within 15 days after the transfer of all or part of the site, the new owner's name, contact representative, and contact information will be confirmed in writing to the NYSDEC.

Table 1.1 includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of Site-related contact information is provided in Appendix A.

Table 1.1: Notifications*

Name	**Contact Information**
NYSDEC Project Manager Mathew Hubicki	518-402-9605 matthew.hubicki@dec.ny.gov
NYSDEC Regional HW Engineer Samsudeen (Sam) Arakhan	Telephone: (845) 256-3155 Email: samsudeen.arakhan@dec.ny.gov
NYSDEC Site Control Kelly Lewandowski	(518) 402-9553 kelly.lewandowski@dec.ny.gov

* Note: Notifications are subject to change and will be updated as necessary.

2.0 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

2.1 Site Location and Description

The Site is located in the City of Yonkers, the County of Westchester, New York and is identified as Block 483, Lots 5, 7, 9, 10, 12, 13, 16, 50, 60 (non-street portions); Block 484, Lots 15, 51, 53; Block 485, Lots 1, 2, 3, 4, 6, 7, 8, 10, 12, 14, 16, 18; Block 486, Lots 15, 16; as well as Engine Place, James Street, John Street, Henry Herz Street, and Ann Street on the City of Yonkers Tax Map. A United States Geological Survey (USGS) topographical quadrangle map (see Figure 1.1 – Site Location Map) shows the Site location. The Site is situated on an approximately 6.9-acre area bounded by Palisades Avenue to the north, New School Street to the east, Nepperhan Avenue to the south, and New Main Street to the west (see Figure 1.2 – Site Plan). A boundary map is attached to the amended BCA as required by Environmental Conservation Law (ECL) Title 14 Section 27-1419 and is shown on Figure 1.2. A land under water (LUW) section of the Saw Mill River, approximately 700-feet long, traverses the Site, and is excluded from the Site. Of this stretch, approximately 225-feet is open, and the remaining section runs through concrete culverts.

The topography varies from moderate slopes in the northeastern portion of the Site that gradually level off towards the western portion of the Site. The surface elevations at the Site vary between 52 to 73-feet above mean sea level.

The boundaries of the Site are more fully described in Appendix B in each of the Environmental Easements and in a collective Site Survey map. The three owners of the Site parcels at the time of issuance of this SMP is/are:

Fleet New Main Street LLC, City of Yonkers, Yonkers Community Development Agency.

2.2 Physical Setting

2.2.1 Land Use

The current land use on the Site consists of the following: two commercial buildings with a small parking area; a Park Area currently under construction by the COY; a vacant landscape area (grassed area); and a parking lot that is operated by the COY Parking Authority. The Site is zoned CB District. According to Yonkers Zoning Code § 43-11, CB District stands for "CB District: central business". Commercial uses are allowed as of right and apartment houses are also allowed as of right, but are subject to special use requirements. The Site is currently utilized for residential, commercial and municipal uses. Site occupants include the COY Parking Authority for the storage of municipal vehicles within the municipal parking lot and its customers; the Park Area, which will be open for the public after the construction is completed; and commercial and residential tenants in the two existing commercial buildings, which have apartments on upper levels.

The Site has a long history of industrial use that spans over 150 years. Historic industrial use within the Site boundary included manufacturing operations associated with: a hat factory; leather factory; brewery; bottling factory; automotive repair shop; dye houses; a tinsmith shop; tire shop; print shop; and a laundry facility. The former industrial structures located on the majority of the Site were demolished sometime between 1942 and the late 1950's, after which time COY expanded the width of the streets that run through and around the parcel and converted the majority of the Site into the existing COY Parking Authority parking lot. The structures located in the southwestern portion of the Site were condemned and demolished in 2010, and are being converted into a COY Park Area.

The properties adjoining the Site and in the neighborhood surrounding the Site primarily include commercial, residential, and municipal properties. The properties immediately south of the Site include commercial properties; the properties immediately north of the Site include commercial and residential properties (retail stores and mixed-use commercial retail/residential buildings); the properties immediately east of the Site include commercial properties (commercial use buildings and a gas station); and the properties to the west of the Site include commercial and municipal properties (City Hall and its associated parking lot structures and office buildings).

2.2.2 Geology

The Site stratigraphy from the ground surface to bedrock is as follows:

- Fill: man-made fill extending to maximum depths ranging from 5-feet to 15-feet, was encountered throughout the Site and is predominantly gray to brown sand with a little gravel, a little silt with fragments of brick/wood/concrete, and cobbles and boulders.

- Glacial Till: encountered below the fill and extending to a maximum depth of about 73-feet bgs, consists of gray to brown sand, with a little gravel, a little silt with numerous cobbles and boulders.

- Bedrock: generally present beneath the glacial till, bedrock was encountered at depths ranging from 22.5-feet to 73-feet bgs.

Two geologic cross sections are shown in Figures 2.1 (Overview plan), 2.2A and 2.2B. Site specific boring logs are provided in Appendix C.

2.2.3 Hydrogeology

During the groundwater sampling event between September 14 and 18, 2007, groundwater was encountered at depths ranging from 7.77-ft below ground surface (bgs) at MW-22 to 16.01-ft bgs at MW-5. The direction of groundwater flow on Site is generally east to west. The groundwater hydraulic gradient averages approximately 3% across the Site. Only five wells installed in 2007 were found in good condition during the 2017 remedial work. Five new wells were installed as part of the 2017 remedial action.

A recent monitoring well sampling event for the newly installed and pre-existing wells was performed in June 2017. Groundwater was encountered at depths similar to the 2007 event, ranging from 7.37-ft bgs at MW-1 to 11.22 bgs at MW-22.

A groundwater elevation contour map based on the 2017 data is shown in Figure 2.3. The well construction logs for new and pre-existing active wells are provided in Appendix C.

2.3 Investigation and Remedial History

The following narrative provides a remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones for the Site. Full titles for each of the reports referenced below are provided in Section 8.0 - References.

2.3.1 Site History

The Site has a long history of industrial use that spans over 150 years. Historic industrial use within the Site boundary included manufacturing operations associated with a hat factory (1886 – 1898), a leather factory (1886 – Unknown) a tinsmith shop (1886 – Unknown), a brewery (1898 – 1917), a bottling factory (1898 – 1917), an automotive repair shop (1951 – 1956), a tire shop (1956 – 1978), a print shop (Dates unknown), dye houses (1886 – Unknown), and a laundry facility (1886 – Unknown). All Sanborn Maps available for this Site were reviewed, and are included in Appendix D of the RAWP. The Site has been developed since at least 1889. No historic Sanborn information is available pre-1889. From 1889 until now, the perimeter properties have been occupied by one and two-story wood framed and brick retail/commercial type buildings heated by oil. The major interior portion of the Site, which is presently the COY parking lot, was at one time occupied by larger industrial businesses including, but not limited to a hat factory (Waring Hat Manufacturing Company), brewery (Yonkers Brewery), leather factories, chemical plants and a contractor's yard. Other smaller buildings within the interior of the Site consisted of garages, carpenter shops, auto repair businesses, wagon sheds, a laundry business, a bakery, etc. Most of these structures were demolished sometime between 1942 and the late 1950's when the City condemned the Site and took title to the various lot that make up the Site. The industrial building structures were replaced with the current parking lot and newer commercial structures along New Main Street.

2.3.2 Environmental Site Assessments

Several Phase I Environmental Site Assessments (ESA) for various lots within the original BCP Site were completed by Advanced Cleanup Technologies, Inc., between February and May 2006. An original BCP Site-wide Phase 1 ESA, dated August 2006, was completed by S&W Redevelopment of North America, LLC. Several areas of concern were identified by the ESAs, including UST releases. Visual evidence of USTs (fill and vent pipes) were identified during the Phase I site inspections. Many buildings at the Site may have historically used heating oil. Historic petroleum spills were identified at 127-129 New Main Street, as well as spills at adjacent properties on Palisade Avenue. The Yonkers Fire Station located adjacent to the Site at 5-7 New School Street also has a history of petroleum spills. Numerous roof downspouts and underground storm drains have been observed at the Site. However, the ESAs noted that most of the Site is occupied by buildings or parking areas and is impervious. Several stormwater culverts discharge into the Saw Mill River. A USEPA Mobile Lab limited investigation referenced in the Phase I ESAs was implemented by PS&S to evaluate the metals and VOC impacts at various locations throughout the Site. Soil samples collected by PS&S were analyzed for VOCs and PP Metals. The information gathered during this initial investigation of the parking lot area yielded limited results since the Geoprobe equipment could not penetrate the boulder and cobble layer at the Site.

2.3.3 Remedial Investigation

Between August 13 and September 20, 2007, November 17, 2007 and December 4, 2007, SESI conducted a remedial investigation (RI) to assess potential environmental impacts associated with the on-Site historic operations, in general accordance with the NYSDEC approved RIWP. Both the RI and RIWP were prepared for the original 13.4 acre BCP Site, which included the properties east of New School street. This summary below includes only the information in the RIR that is relevant to the current Site boundaries.

In August and September 2007, 14 shallow groundwater monitoring wells and four (4) soil vapor monitoring wells were installed on the Site. The borings were advanced to depths ranging from 6-feet to 29-feet bgs. Groundwater monitoring wells

were installed with 2-inch diameter well screens intersecting the water table. The depths of the wells varied from 15 to 29-feet below grade. In November and early December 2007, four (4) supplemental soil borings were advanced to depths of approximately 17 to 30-feet bgs. Additionally, four (4) deep supplemental monitoring wells were installed to the top of bedrock at depths ranging from 38 to 51-feet bgs with 2 or 4-inch diameter well screens.

Soil, groundwater, sediment and surface water samples collected by SESI were analyzed for Volatile Organic Compounds (VOCs), Semi Volatile Organic Compounds (SVOCs), Polychlorinated Biphenyls (PCBs), pesticides, and Target Analyte List (TAL) metals, and in stream sediment locations, Total Organic Carbon (TOC). Soil vapor samples were analyzed only for VOCs in accordance with USEPA method TO-15.

Soil Results

The RIR presented the analytical results for the 45 soil samples that were collected during the RI. For purposes of evaluating the remedial alternatives associated with the proposed site cleanup, the analytical results of the soil samples were compared to the NYSDEC soils Track 1 Unrestricted Use and Track 2 Restricted-Residential Use SCOs. The following table summarizes the results of the soil investigation.

TABLE 2.1: Restricted-Residential SCO Exceedances

Parameter	# Samples Collected	# Samples Analyzed	# Samples with exceedances of Restricted-Residential Use Criteria
VOCs	45	45	0
SVOCs	45	38	7
PCBs	45	37	0
Pesticides	45	37	0
Metals	45	37	12

Of the 45 soil samples collected, 14 contained concentrations exceeding the above listed criteria for Restricted-Residential use. A breakdown of the type of soil strata the samples were collected from and the number of exceedances per layer is presented on the following table:

TABLE 2.2: Exceedances per Soil Strata

Soil Type	Fill	Glacial Till
# of Samples with exceedances above Restricted-Residential Criteria	8	6

Table 2.2 indicates exceedances of the Restricted-Residential SCOs for all soil/fill at the Site. Exceedances were noted in both the fill layer and the glacial till layer. However, the exceedance concentrations were higher in the fill layer. Twelve (12) metal exceedances, ten (10) of which were mercury, and seven (7) SVOC exceedances were detected above NYSDEC Restricted-Residential Criteria. Most are in areas of historic on-Site uses where mercury was a known contaminant in relation to the manufacturing of felt top hats at the former hat factory present on Site. Mercury was historically used to stiffen the felt used to make the hats.

Groundwater Results

A review of the groundwater analytical results in the RIR (2007) indicates that groundwater in all the sampled monitoring wells is impacted by a combination of VOCs, SVOCs, and metals, at concentrations that exceed the NYSDEC standards. A set of tables in the RIR indicating the exceedances of Class GA groundwater standards in monitoring wells prior to the implementation of the remedy is shown on RIR Tables 4 (initial groundwater samples), Table 5 (additional filtered shallow groundwater samples) & Table 6 (deep groundwater samples).

Soil Vapor Results

Air monitoring during the 2007 groundwater and soil vapor monitoring well installations did not indicate any concentrations of organic vapors, mercury or dust. On-Site soil vapor samples were collected from four (4) soil vapor collection wells. While organic and mercury vapors were detected in several borings during the well installations, the results were at very low levels. The results are shown on the boring logs included in Appendix C. Only one compound, tetrachloroethene, was detected above NYSDOH guidelines for indoor air values, which was used for this evaluation. The tetrachloroethene result was detected in soil vapor well SV-2 at a concentration of 286 ug/m3. The soil vapor data is shown on Table 7 in the RIR.

Other Assessments

A qualitative human health exposure assessment (HHEA) was conducted as part of the 2007 RI. Based on the Site testing as of that date, no concentration of non-carcinogens exceeded the Reference Dose risk, and thus, the risk was considered minimal to the surrounding population (Appendix C of the RIR).

A Fish and Wildlife Impact Analysis (FWIA) was completed in conjunction with the RI. The report concluded that ecological risks to fish and wildlife resources from migration of Constituents of Potential Ecological Concern (COPECs) is unlikely.

2.4 Remedial Action

Soil Excavation

SESI performed hotspot excavation in June 2017 as outlined in the RAWP Figure RA-3. The Excavation Workplan is included in Appendix K of this SMP. A total of four (4) hotspot areas were excavated to their proposed target vertical depths and horizontal delineation limits as shown on the Post-Excavation Sample Result Plan (Figure 2.4). The excavation continued vertically or horizontally until the post-excavation sampling results indicated attainment of Track 4 remedial objectives for a restricted residential use.

Post-excavation soil samples were collected in accordance with the approved RAWP and Section 5.4 of DER-10 for the UST closure. For the larger source area excavations, sidewall samples were collected at a frequency of one sample every 150 linear

feet of excavation sidewall in accordance with the approved RAWP. Bottom samples were collected at a frequency of one sample for every 5,000 square feet or at least of one sample of excavation bottom area in accordance with the approved RAWP. The soil samples collected in which the results exceeded the Track 1 Unrestricted Use SCOs after completion of the remedial action are shown on Figure 2.4. The post excavation soil results are included in Appendix D of this SMP. The sampling results were provided regularly to the NYSDEC project manager (PM) for backfill approval. Following the NYSDEC approval, the excavation areas were backfilled with NYSDEC-approved clean fill.

Waste Characterization Sampling

SESI conducted sampling of the on-site soils in March and April of 2017 for the purpose of soil disposal characterization prior to start of the remedial action. These results were sent to the disposal facilities for review and acceptance.

Geophysical Investigation

A subsurface geophysical investigation utilizing ground-penetrating radar (GPR) with electromagnetic (EM) induction was performed at the Site on March 28 & 29, 2017 by Enviroprobe Service, Inc. The results of the GPR/EM survey indicated the potential presence of one UST located under the sidewalk and landscaped area connecting James Street to Engine Place. In addition, several other potential UST anomalies were also noted during the RI of 2007 as depicted on Figure RA-3 of the RAWP. The suspected USTs were further investigated in June 2017 as described below.

Test Pit UST Investigation

Based on the geophysical investigation and historic data there were four (4) suspected USTs on the Site. Test pits were dug in the suspected UST areas to investigate for the presence of a UST or any contaminated soils that may exist as a result of possible UST discharges. No USTs were found on Site during the 2017 RA test pit investigations. The test pit UST investigations did not reveal any contaminated soils based on the field screening, which included visual and olfactory observations and screening with a photoionization detector (PID). The suspect UST test pit excavations were backfilled with the excavated soils.

Groundwater

Additional groundwater investigations were conducted during the 2017 remedial action (2017 RA). The investigation included the sampling of pre-existing monitoring wells and the installation and sampling of new monitoring wells. The new monitoring wells were located based on the analytical results of the pre-existing monitoring wells. The results of the groundwater sampling are reported in the FER. The five (5) pre-existing wells from prior investigations were re-developed and sampled. The remaining pre-existing monitoring wells were not in usable condition. Based on the analytical results from groundwater samples collected from the five pre-existing wells, a proposal for five new wells was sent to the DEC for pre-approval. Upon DEC approval, the five additional monitoring wells were installed, developed and sampled. The analytical results for the groundwater samples were submitted to the DEC.

The well construction logs are included in Appendix C, the groundwater sampling results and the low flow field logs are included in Appendix E. Exceedances of the effluent Class GA groundwater standards for VOCs, SVOCs and metals are shown in Table 2.3 below. The well locations and the results that exceeded the Class GA standards are shown on Figure 2.5.

TABLE 2.3: Summary of Effluent Class GA Groundwater Exceedances

Well No.	Compound	Concentration (ug/L)
MW-22	Tetrachloroethylene	5.7
MW-25	Tetrachloroethylene	10
MW-25	Trichloroethylene	10
MW-103D	Chloroform	8.8
MW-104D	Chloroform	18
MW-101S	1,1,1-Trichloroethane	100
MW-101S	1,1-Dichloroethane	9.9
MW-101S	1,1-Dichloroethene	18
MW-101S	Tetrachloroethylene	10
MW-101S	Trichloroethylene	260

Vapor Intrusion

A sub-slab soil vapor investigation was performed by SESI at the two (2) existing buildings located onsite at 127-129 New Main Street and 131 New Main Street on July 24 and July 25, 2017. All soil vapor samples were collected in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006. The samples were collected in 6-liter Summa canisters utilizing a 1-hour collection interval regulator. Two (2) soil vapor samples were collected at separate locations beneath the basement slab of the 127-129 New Main Street building, and two (2) soil vapor samples were collected at separate locations beneath the basement slab of the 131 New Main Street building. The samples were submitted under chain of custody to a NY-State ELAP-certified laboratory for EPA TO-15 analysis, in accordance with the approved 2017 RAWP.

The sample locations and results of the sub-slab soil vapor investigation are presented on Figure 2.6. The laboratory deliverables are included in Appendix F. All sub-slab soil vapor samples were compared to the NYSDOH Sub-Slab and Indoor Air criteria values. For compounds not listed in the NYSDOH Sub-Slab or Indoor Air criteria, the EPA Target Sub-Slab and Indoor Air criteria values were used. The results showed no exceedances of either the NYSDOH or EPA criteria values. No exceedances of any of the values were detected in the sub slab soil gas samples. No indoor air samples were collected because the investigation was conducted outside the heating season.

Nevertheless, as a precautionary measure, a passive SSDSs were installed in the two buildings in September – October 2017 as per the NYSDEC recommendation. In addition, the SSDSs will be monitored as outlined in this SMP

2.5 Remedial Action Objectives

The Remedial Action Objectives (RAOs) for the Site as listed in the RAWP dated May 2017 are as follows:

Groundwater

RAOs for Public Health Protection

- Prevent contact with, or inhalation of, volatiles from contaminated groundwater.

RAOs for Environmental Protection

- Prevent the migration of contaminants from on-site groundwater to surface water or off-site groundwater.
- Remove the potential sources of groundwater contamination.

Soil

RAOs for Public Health Protection

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

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in off-site groundwater or surface water contamination.
- Remove sources of soil contamination.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

2.6 Remaining Contamination

2.6.1 Soil

The soils were remediated to meet a Track 4 Restricted-Residential remedy with the hot spot or source area removal and implementation of a site-wide engineered Composite Capping System (CCS). The remaining soils under the CCS or "cap" may contain contaminants at concentrations above the unrestricted or restricted residential SCOs. The CCS, which must be maintained pursuant to this SMP, is the engineering control that prevents exposure to the remaining contaminated soils.

2.6.2 Groundwater

During the 2017 remedial action, the pre-existing and newly installed groundwater monitoring wells were sampled. The exceedances of the effluent Class GA groundwater standards are shown on Table 2.3 above.

The selection of wells to be sampled for the proposed long-term groundwater monitoring program as required as part of Section 4.0 of this SMP was based on the groundwater flow direction and the results depicted on Table 2.3 above.

2.6.3 Surface Water

The section of the Saw Mill River that runs within the Site was excluded from this BCA as land underwater (LUW), and this exclusion is reflected in the environmental easement. Therefore, no surface water samples were collected.

2.6.4 Soil Vapor

As described above, an initial sub-slab soil gas investigation was conducted in the two existing buildings on Site during the 2017 RA. The results of the soil vapor samples are shown on Figure 2.6. As a precautionary measure, passive sub slab depressurization systems were installed in each building.

A soil gas investigation will be conducted for any future development on other areas of the Site which include enclosed spaces to determine if vapor intrusion (VI) mitigation in the form of a SSDS is required.

3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN

3.1 General

Since remaining contamination exists at the Site, Institutional Controls (ICs) and Engineering Controls (ECs) are required to protect human health and the environment. This IC/EC Plan describes the procedures for the implementation and management of all IC/ECs at the site. The IC/EC Plan is one component of the SMP and is subject to revision by the NYSDEC.

This plan provides:

- A description of all IC/ECs on the site;
- The basic implementation and intended role of each IC/EC;
- A description of the key components of the ICs set forth in the Environmental Easements;
- A description of the controls to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of IC/ECs, such as the implementation of the Excavation Work Plan (EWP) (as provided in Appendix K) for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the site; and
- Any other provisions necessary to identify or establish methods for implementing the IC/ECs required by the site remedy, as determined by the NYSDEC.

3.2 Institutional Controls

A series of ICs is required by the RAWP to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination; and, (3) limit the use and development of the site to Track 4 Restricted Residential, Commercial or Industrial uses only. Adherence to these ICs on the Site is required by the Environmental Easements and will be implemented under this SMP. ICs identified in the Environmental

Easements may not be discontinued without an amendment to or extinguishment of the Environmental Easements. The IC boundaries are shown on Figure 3.1. These ICs are:

- The property may be used for: restricted residential, commercial or industrial use;
- All ECs must be operated and maintained as specified in this SMP;
- Compliance with each Environmental Easement by the Grantee and the Grantee's successors and adherence of all elements of the SMP is required;
- ECs may not be discontinued without an amendment or extinguishment of each Environmental Easement.
- All ECs must be inspected at a frequency and in a manner defined in the SMP. A Composite Capping System consisting of asphalt pavements, concrete covered sidewalks, 2-feet of clean soil in vegetated area, and concrete building slabs must be inspected, certified and maintained as required in the SMP. The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Westchester County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department. A passive SSDS has been installed for the two existing buildings and a VI assessment will be conducted for any planned development.
- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
- All future activities on the Controlled Property that will disturb residual contaminated material are prohibited unless they are conducted in accordance with the soil management provisions in the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
- Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP; If warranted, a soil vapor mitigation system in potentially current and future buildings consisting of a SSDS must be installed, inspected, certified, operated and maintained as required by the SMP;

- On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells, SSDSs and soil vapor probes, must be protected and replaced as necessary to ensure proper functioning in the manner specified in the SMP;

- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easements. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 1.2, and any potential impacts that are identified must be monitored or mitigated; and

- Vegetable gardens and farming on the Controlled Property (Site) are prohibited.

3.3 Engineering Controls

3.3.1 Composite Capping System

Exposure to remaining contamination at the Site is prevented by an engineered, composite capping system (CCS) placed over the Site. This CCS comprises pre-existing asphalt pavement, concrete sidewalks, concrete building slabs, and two-feet of clean fill/topsoil over a demarcation barrier in the landscaped areas. Figure 3.2 presents the location of the composite capping system and applicable demarcation layers (engineering control plan). Figure 3.3 is an as-built survey of the demarcation layer and the newly installed 2-foot layer of soil in the landscaped areas within the Site and the Park Area.

The Excavation Work Plan (EWP) provided in Appendix K outlines the procedures required to be implemented in the event the CCS is breached, penetrated or temporarily removed, and any underlying remaining contamination is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in Section 4.0 of this SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) and associated Community Air Monitoring Plan (CAMP) prepared for the Site and provided in Appendix G.

3.3.2 Sub-slab Depressurization Systems

Passive sub slab depressurization systems (SSDS) were installed in the two existing buildings along New Main Street. The passive system as-built drawings are shown in Figure 3.4.

The SMP will be updated to include the requirement of the installation of a soil vapor mitigation system, if necessary, for any new development. If a soil vapor mitigation system is warranted based on future soil vapor sampling events, a design document will be submitted for evaluation and approval by the NYSDEC prior to installation.

Procedures for operating and maintaining the SSDS for any future buildings will be documented in the Operation and Maintenance Plan (Section 5.0 of this SMP) upon the submittal of the updated SMP. As built drawings, signed and sealed by a professional engineer, will be included as an additional appendix in the updated SMP if the requirement for the installation of an active SSDS is warranted.

3.3.3 Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC DER-10.

3.3.3.1 Composite Capping System

The CCS is a permanent engineering control for the Site and the quality and integrity of this system will be inspected at defined, regular intervals in accordance with this SMP in perpetuity.

3.3.3.2 - Sub-Slab Depressurization System

The installed or any planned SSD system will not be discontinued unless prior written approval is granted by the NYSDEC and the NYSDOH. In the event that monitoring data indicates that the SSD system may no longer be required, a proposal to discontinue the SSD system will be submitted by the remedial party to the NYSDEC and NYSDOH.

3.3.3.3 - Monitoring Wells associated with Monitored Natural Attenuation

Groundwater monitoring activities to assess natural attenuation will continue as determined by the NYSDEC, with consultation with NYSDOH, until residual groundwater concentrations are found to be consistently below ambient water quality standards, the Site SCGs, or have become asymptotic at an acceptable level over an extended period. In the event that monitoring data indicates that monitoring for natural attenuation may no longer be required, a proposal to discontinue the system will be submitted by the remedial party. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

4.0 MONITORING AND SAMPLING PLAN

4.1 General

This Monitoring and Sampling Plan describes the measures for evaluating the overall performance and effectiveness of the remedy. This Monitoring and Sampling Plan may only be revised with the approval of the NYSDEC. Details regarding the sampling procedures, data quality usability objectives, analytical methods, etc. for all samples collected as part of site management for the Site are included in the Quality Assurance Project Plan provided in Appendix H.

This Monitoring and Sampling Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, indoor air, soil vapor, soils);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance (SCGs), particularly groundwater standards and Part 375 SCOs for soil; and
- Evaluating site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment;

To adequately address these issues, this Monitoring and Sampling Plan provides information on:

- Sampling locations, protocol and frequency;
- Information on all designed monitoring systems;
- Analytical sampling program requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

Reporting requirements are provided in Section 7.0 of this SMP.

4.2 Site-wide Inspection

Site-wide inspections will be performed at a minimum of once per year. Modification to the frequency or duration of the inspections will require approval from the NYSDEC. Site-wide inspections will also be performed after all severe weather conditions that may affect ECs or monitoring devices. During these inspections, an inspection form will be completed as provided in Appendix I – Site Management Forms. The form will compile sufficient information to assess the following:

- Compliance with all ICs, including site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General site conditions at the time of the inspection;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that site records are up to date.

Inspections of all remedial components installed at the Site will be conducted. A comprehensive Site-wide inspection will be conducted and documented according to the SMP schedule, regardless of the frequency of the Periodic Review Report. The inspections will determine and document the following:

- Whether ECs continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the Environmental Easements;
- Achievement of remedial performance criteria; and
- If site records are complete and up to date; and
- Reporting requirements are outlined in Section 7.0 of this plan.

Inspections will also be performed in the event of an emergency. If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs that reduces or has the potential to reduce the effectiveness of ECs in place at the site, verbal notice to the NYSDEC must be given by noon of the following day. In addition, an inspection of the site will be conducted within 5 days of the event to verify the effectiveness of the IC/ECs implemented at the site by a qualified environmental professional, as determined by the NYSDEC. Written confirmation must be provided to the NYSDEC within 7 days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

4.3 Treatment System Monitoring and Sampling

4.3.1 Remedial System Monitoring

Monitoring of the SSD system will be performed on a routine basis, as identified in the design documents. The design documents will be submitted to the NYSDEC for approval prior to installation of any SSD system. The SMP will be updated to include the monitoring schedule of any additionally installed system. Modification to the frequency or sampling requirements will require approval from the NYSDEC. A visual inspection of the complete system will be conducted during each monitoring event. Unscheduled inspections and/or sampling may take place when a suspected failure of the SSD system has been reported or an emergency occurs that is deemed likely to affect the operation of the system. The components of a newly installed SSD system will be further described in the updated SMP.

A complete list of components to be inspected is provided in the Inspection Checklist, provided in Appendix I - Site Management Forms. If any equipment readings are not within their specified operation range, any equipment is observed to be malfunctioning or the system is not performing within specifications; maintenance and repair, as per the Operation and Maintenance Plan, is required immediately.

4.3.2 Remedial System Sampling

Samples shall be collected from inside the buildings where SSDS were installed on an annual basis. A total of two samples will be collected: 1 sample from each building. The samples will be collected from the sampling ports located at each suction point. The samples will be analyzed for EPA TO-15.

Sampling locations, required analytical parameters and schedule for any new development will be provided in the updated SMP.

Modification to the frequency or sampling requirements will require approval from the NYSDEC.

4.4 Post-Remediation Media Monitoring and Sampling

4.4.1 Groundwater Sampling

Groundwater monitoring will be performed annually to assess the performance of the remedy. Modification or reducing the frequency of sampling requirements will require approval from the NYSDEC and NYSDOH.

The network of monitoring wells has been installed to monitor up-gradient, on-site and downgradient groundwater conditions at the site. The network of on-site 10 functional wells has been designed based on groundwater flow and analytical data.

Table 4.1 summarizes the wells identification number, as well as the purpose, location, depths, diameter and screened intervals of the wells. As part of the groundwater monitoring, 3 upgradient wells, 3 on-site wells and 4 downgradient wells will be sampled once every five years to evaluate the effectiveness of the remedial system. Monitoring well construction logs are included in Appendix C of this SMP.

Table 4.1 – Monitoring Well Construction Details

Monitoring Well ID	Well Location	Coordinates (Northing /Easting)	Well Diameter (inches)	Elevation (above mean sea level)			
				Casing	Surface	Screen Top	Screen Bottom
MW-1	Downgradient	N: 765676 E: 658884	2	51.06	51.45	46.06	31.06
MW-22	Central	N: 765334 E: 659135	2	59.78	59.96	55.28	45.28
MW-24	Central	N: 765484 E: 659083	2	57.62	58.12	52.62	37.62
MW-25	Central	N: 765435 E: 658949	2	55.83	56.03	50.83	40.83
MW-34	Upgradient	N: 765421 E: 659189	4	59.76	60.01	24.76	14.76
MW-101S	Upgradient	N: 765428 E: 659241	2	61.23	61.44	51.23	41.23
MW-102S	Downgradient	N: 765456 E: 658806	2	55.75	56.06	45.75	35.75
MW-103D	Downgradient	N: 765412 E: 658833	2	55.92	56.26	15.92	5.92
MW-104D	Downgradient	N: 765794 E: 658846	2	60.31	N/A	15.31	5.31
MW-105S	Upgradient	N: 765657 E: 659210	2	60.50	60.71	50.50	40.50

If biofouling or silt accumulation occurs in the on-Site and/or off-Site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced, if an event renders the wells unusable.

Repairs and/or replacement of wells in the monitoring well network will be performed based on assessments of structural integrity and overall performance.

The NYSDEC will be notified prior to any repair or decommissioning of any monitoring well for the purpose of replacement, and the repair or decommissioning and replacement process will be documented in the subsequent Periodic Review Report. Well decommissioning without replacement will be done only with the prior approval of the

NYSDEC. Well abandonment will be performed in accordance with NYSDEC's guidance entitled "CP-43: Groundwater Monitoring Well Decommissioning Procedures." Monitoring wells that are decommissioned because they have been rendered unusable will be replaced in kind in the nearest available location, unless otherwise approved by the NYSDEC.

The sampling frequency may only be modified with the approval of the NYSDEC and NYSDOH. This SMP will be modified to reflect changes in sampling plans approved by the NYSDEC.

Deliverables for the groundwater monitoring program are specified in Section 7.0 – Reporting Requirements.

4.4.2 Monitoring and Sampling Protocol

All sampling activities will be recorded in a field book and associated sampling log as provided in Appendix I - Site Management Forms. Other observations (e.g., groundwater monitoring well integrity, etc.) will be noted on the sampling log. The sampling log will serve as the inspection form for the monitoring network.

5.0 OPERATION AND MAINTENANCE PLAN

5.1 General

The Site remedy does not currently rely on any mechanical systems, such as groundwater treatment systems, active sub-slab depressurization systems or air sparge/soil vapor extraction systems to protect public health and the environment. Therefore, the operation and maintenance of such components is not included in this SMP.

An updated SMP will be submitted addressing the potential for sub-slab soil vapor monitoring, if it becomes required. If no sub-slab soil vapor monitoring engineering controls are warranted, then the updated SMP shall be written to confirm this conclusion.

6.0 PERIODIC ASSESSMENTS/EVALUATIONS

6.1 Climate Change Vulnerability Assessment

Increases in both the severity and frequency of storms/weather events, an increase in sea level elevations along with accompanying flooding impacts, shifting precipitation patterns and wide temperature fluctuation, resulting from global climactic change and instability, have the potential to significantly impact the performance, effectiveness and protectiveness of a given site and associated remedial systems. Vulnerability assessments provide information so that the Site and associated remedial systems are prepared for the impacts of the increasing frequency and intensity of severe storms/weather events and associated flooding.

This section provides a summary of vulnerability assessments that will be conducted for the site during periodic assessments, and briefly summarizes the vulnerability of the site and/or engineering controls to severe storms/weather events and associated flooding.

6.2 Green Remediation Evaluation

NYSDEC's DER-31 Green Remediation requires that green remediation concepts and techniques be considered during all stages of the remedial program including site management, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. This section of the SMP provides a summary of any green remediation evaluations to be completed for the Site during site management, and as reported in the Periodic Review Report (PRR).

6.2.1 Timing of Green Remediation Evaluations

Not applicable for this Site.

7.0. REPORTING REQUIREMENTS

7.1 Site Management Reports

All Site management inspection, maintenance and monitoring events will be recorded on the appropriate site management forms provided in Appendix I. These forms are subject to NYSDEC revision.

All applicable inspection forms and other records, including media sampling data and system maintenance reports, generated for the site during the reporting period will be provided in electronic format to the NYSDEC in accordance with the requirements of Table 7.1 and summarized in the Periodic Review Report.

Table 7.1: Schedule of Interim Monitoring/Inspection Reports

Task/Report	Reporting Frequency*
Inspection Report	Annually
Groundwater sampling	Annually
Sub Slab Sampling	Annual
Periodic Review Report	Annually, or as otherwise determined by the Department

* The frequency of events will be conducted as specified until otherwise approved by the NYSDEC.

All interim monitoring/inspections reports will include, at a minimum:

- Date of event or reporting period;
- Name, company, and position of person(s) conducting monitoring/inspection activities;
- Description of the activities performed;

- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet);

- Type of samples collected (e.g., sub-slab vapor, indoor air, outdoor air, etc);

- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation, etc.);

- Sampling results in comparison to appropriate standards/criteria;

- A figure illustrating sample type and sampling locations;

- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (to be submitted electronically in the NYSDEC-identified format);

- Any observations, conclusions, or recommendations; and

- A determination as to whether contaminant conditions have changed since the last reporting event.

Routine maintenance event reporting forms will include, at a minimum:

- Date of event;

- Name, company, and position of person(s) conducting maintenance activities;

- Description of maintenance activities performed;

- Any modifications to the system;

- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and,

- Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc., (attached to the checklist/form).

Non-routine maintenance event reporting forms will include, at a minimum:

- Date of event;

- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;

- Description of non-routine activities performed;

- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and

- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

Data will be reported in digital format as determined by the NYSDEC. Currently, data is to be supplied electronically and submitted to the NYSDEC EQuIS™ database in accordance with the requirements found at this link:
http://www.dec.ny.gov/chemical/62440.html.

7.2 Periodic Review Report

A Periodic Review Report (PRR) will be submitted to the Department beginning sixteen (16) months after the Certificate of Completion is issued. After submittal of the initial Periodic Review Report, the next PRR shall be submitted annually to the Department or at another frequency as may be required by the Department. In the event that the Site is subdivided into separate parcels with different ownership, a single Periodic Review Report will be prepared that addresses the Site described in Appendix B -Environmental Easement. The report will be prepared in accordance with NYSDEC's DER-10 and submitted within 30 days of the end of each certification period. Media sampling results will also be incorporated into the Periodic Review Report. The report will include:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the site.

- Results of the required annual site inspections and severe condition inspections, if applicable.

- All applicable site management forms and other records generated for the site during the reporting period in the NYSDEC-approved electronic format, if not previously submitted.

- A summary of any discharge monitoring data and/or information generated during the reporting period, with comments and conclusions.

- Data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor, etc.), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends.

- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted in digital format as determined by the NYSDEC. Currently, data is supplied electronically and submitted to the NYSDEC EQuIS™ database in accordance with the requirements found at this link: http://www.dec.ny.gov/chemical/62440.html.

- A Site evaluation, which includes the following:

  - The compliance of the remedy with the requirements of the site-specific RAWP, ROD or Decision Document;

  - The operation and the effectiveness of all treatment units, etc., including identification of any needed repairs or modifications;

  - Any new conclusions or observations regarding site contamination based on inspections or data generated by the Monitoring and Sampling Plan for the media being monitored;

  - Recommendations regarding any necessary changes to the remedy and/or Monitoring and Sampling Plan; and

  - Trends in contaminant levels in the affected media will be evaluated to determine if the remedy continues to be effective in achieving remedial goals as specified by the Decision Document.

  - The overall performance and effectiveness of the remedy.

7.2.1 Certification of Institutional and Engineering Controls

Following the last inspection of the reporting period, a qualified environmental professional or Professional Engineer licensed to practice in New York State will prepare, and include in the Periodic Review Report, the following certification as per the requirements of NYSDEC DER-10:

"For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

- *The inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;*
- *The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;*
- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*
- *Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;*
- *Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*
- *If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;*
- *Use of the site is compliant with the environmental easement;*
- *The engineering control systems are performing as designed and are effective;*
- *To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program and generally accepted engineering practices; and*
- *The information presented in this report is accurate and complete.*

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Fuad Dahan, of SESI Consulting Engineers D.P.C. of 12A Maple Avenue, Pine Brook, NJ 07058, am certifying as SFC Yonkers, LLC.

- *No new information has come to my attention, including groundwater monitoring data from wells located at the site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off-site contamination are no longer valid; and*

- *The assumptions made in the qualitative exposure assessment remain valid.*

The signed certification will be included in the Periodic Review Report.

The Periodic Review Report will be submitted, in electronic format, to the NYSDEC Central Office, Regional Office in which the site is located and the NYSDOH Bureau of Environmental Exposure Investigation. The Periodic Review Report may need to be submitted in hard-copy format, as requested by the NYSDEC project manager.

7.3 Corrective Measures Work Plan

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control, a Corrective Measures Work Plan will be submitted to the NYSDEC for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the Corrective Measures Work Plan until it has been approved by the NYSDEC.

7.4 Remedial Site Optimization Report

In the event that an RSO is to be performed, an RSO report must be submitted to the Department for approval. A general outline for the RSO report is not provided in this SMP as it is not applicable for this Site.

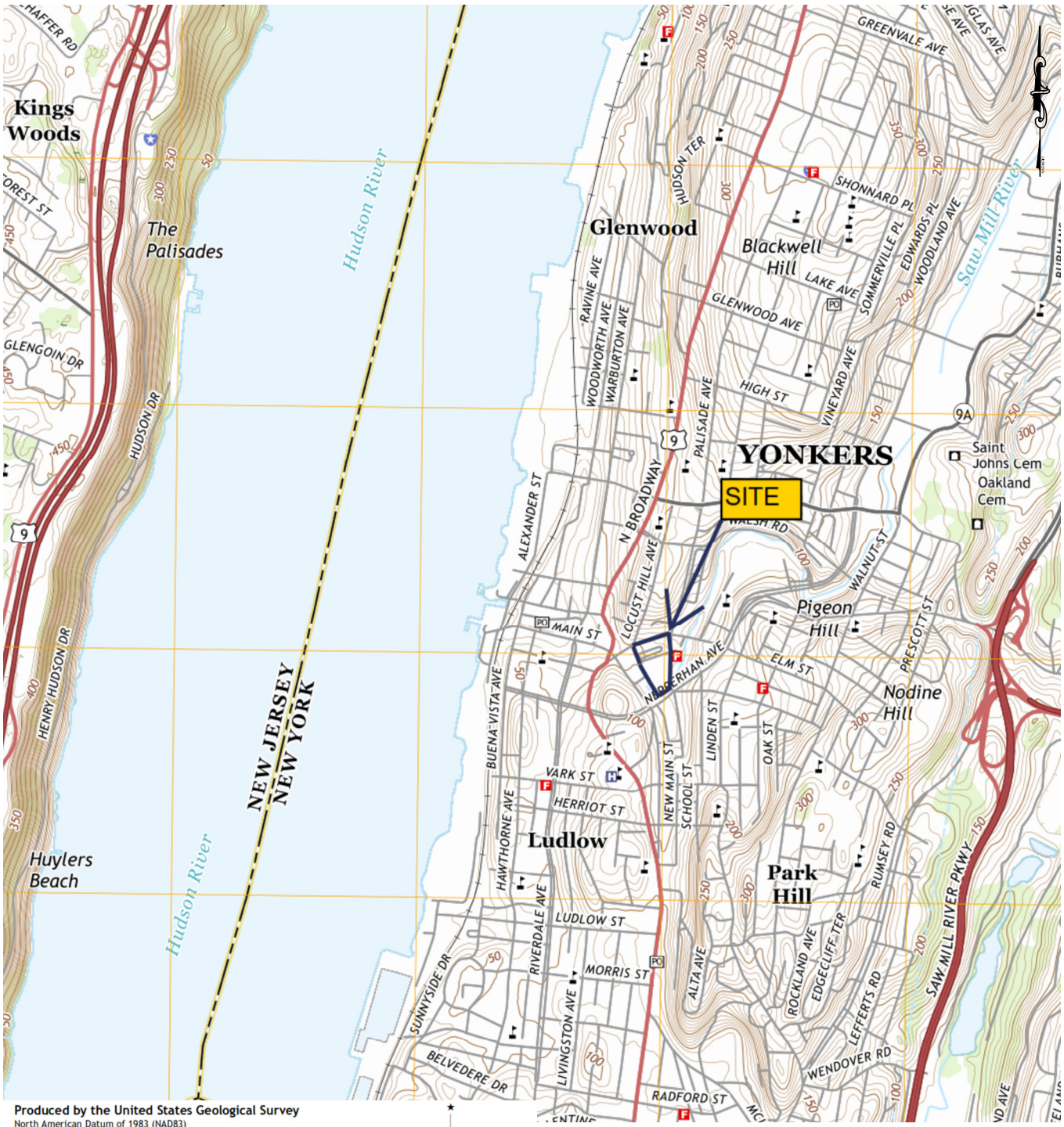
8.0 REFERENCES

6NYCRR Part 375, Environmental Remediation Programs. December 14, 2006.

NYSDEC DER-10 – "Technical Guidance for Site Investigation and Remediation".

NYSDEC, 1998. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. June 1998 (April 2000 addendum).

FIGURES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 18T
10 000-foot ticks: New Jersey Coordinate System of 1983, New York Coordinate System of 1983 (east and long island zones)

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, August 2013
Roads..... U.S. Census Bureau, 2015 - 2016
Names.....GNIS, 2016
Hydrography.....National Hydrography Dataset, 2013
Contours.....National Elevation Dataset, 2015
Boundaries.....Multiple sources; see metadata file 1972 - 2016

Wetlands.....FWS National Wetlands Inventory 1977 - 2014

13° 3' 232 MILS
0° 42' 12 MILS
UTM GRID AND 2016 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
WL
Grid Zone Designation
18T

NEW YORK
QUADRANGLE LOCATION

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

SITE PLAN

SESI CONSULTING ENGINEERS D.P.C.

SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

FIG-1.1

DRAWN BY: yy
CHECKED BY: FD
SCALE: N.T.S.
DATE: 10/02/17
JOB NO.: 7190A

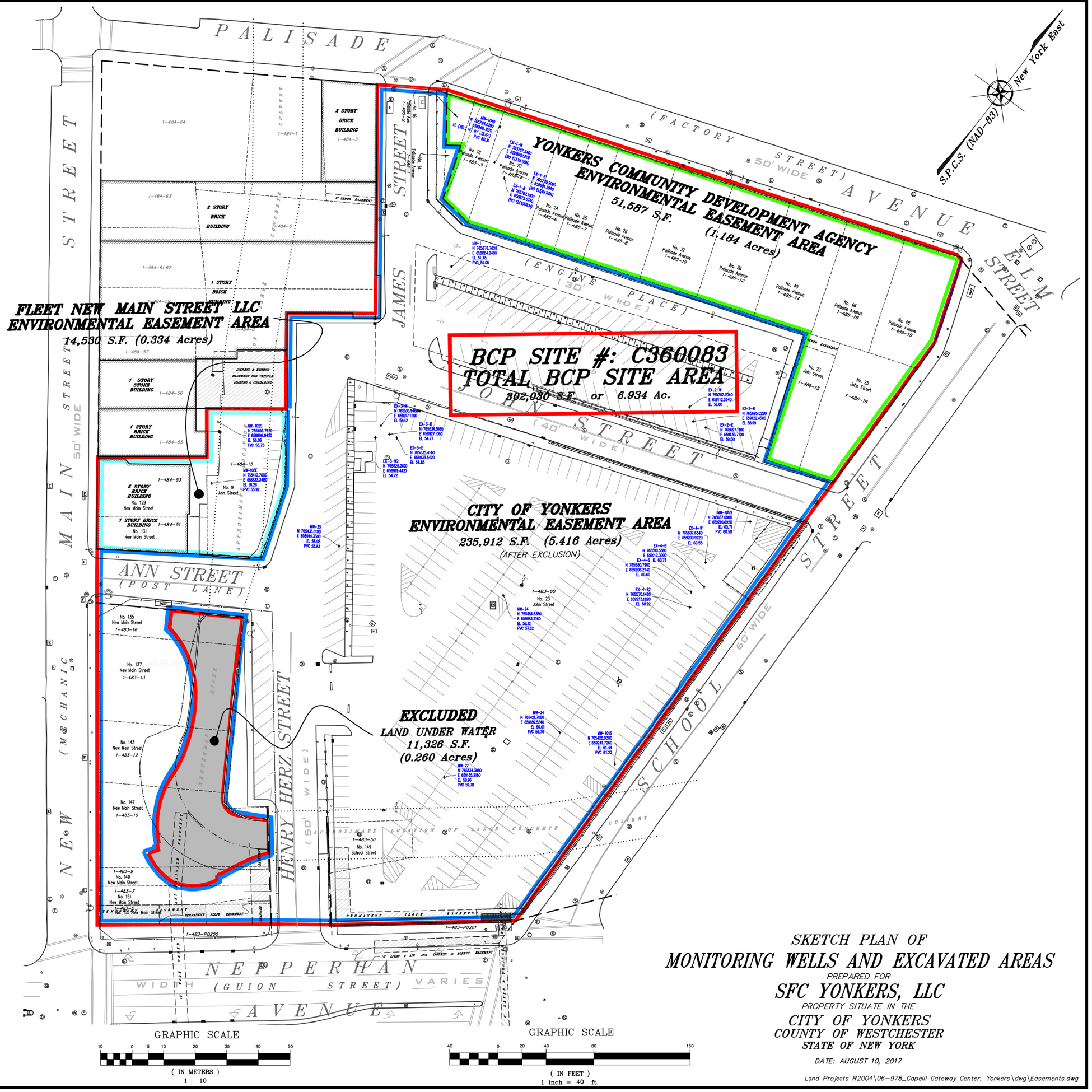
N:\ACAD\7190A\2017-SMP\7190A FIG-1.1 SITE PLAN.dwg, FIG-1.1, 10/3/2017 1:21:37 PM, 1:1

N:\ACAD\7190A\2017-SMP\7190A FIG-1.1 SITE PLAN.DWG 10/03/17 01:21:38PM, jenny, LAYOUT:FIG-1.1

LEGEND

SANITARY SEWER MANHOLE	TRAFFIC SIGNAL BOX
STORM SEWER MANHOLE	TRAFFIC SIGNAL LIGHT
TELEPHONE MANHOLE	TRAFFIC SIGNAL POLE
ELECTRIC MANHOLE	UTILITY POLE
ELECTRIC MANHOLE SQUARE	PEDESTRIAN X-WALK POLE
FIRE DEPT. MANHOLE	LAMP
FIRE DEPT. MANHOLE SQUARE	STREET LIGHTS
WATER MANHOLE	PARKING METER
WATER VALVE	TREE
GAS VALVE	SIGN
"C" VALVE	MONITORING WELL
UNKNOWN VALVE	FLAGPOLE
HYDRANT	POST
CURB BASIN	BENCH
STORM DRAIN INLET	N/A NOT ACCESSIBLE
MAILBOX	C.O. CLEAN OUT
UTILITY BOX	90.27' DEED LOT DIMENSION
x x FENCE LINE	
GUIDE RAIL	
OVERHEAD ELECTRIC	
TAX LOT LINE	
EASEMENT LINE	
STREET LINE	
BCP SITE #:C360083 BOUNDARY LINE	
EASEMENT "BOUNDARY" (YONKERS COMMUNITY DEVELOPMENT AGENCY) *	
EASEMENT "BOUNDARY" (CITY OF YONKERS) *	
EASEMENT "BOUNDARY" (FLEET NEW MAIN STREET LLC) *	

* Exterior BCP boundary lines and easement lines in the areas that they are "co-linear" have the same metes and bounds, the colored boundaries "highlight" the perimeter of the easement(s) and are provided for visual reference only – they are not the actual boundary lines"



CERTIFIED, AS NOTED AND LIMITED BELOW, ONLY TO:
– SFC YONKERS, LLC

Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of Section 7209, Sub-Division 2 of the New York State Education Law.

Certifications shall run only to the person for whom this survey was prepared, and on his behalf, to the title company, lending institution and governmental agency listed hereon; said certifications are not intended to run to additional title companies, lending institutions, subsequent owners or future contract vendees.

The horizontal orientation of this map is based on the U.S. Coastal & Geodetic Survey (NAD-83) for New York East (transverse mercator projection).

Underground improvements, structures, utilities or encroachments, and any easements related thereto, are not shown hereon unless otherwise noted. The location, extent and sizes of underground utilities are not guaranteed or certified as complete or accurate. Consult with the appropriate utility company or agency prior to designing improvements, commencing demolition, or construction. Call or visit Dig Safely New York at 800-962-7962 or www.digsafelynewyork.com.

The Premises shown hereon contains portions of Block Nos. 483-486, & 475 of Section 1 of the City of Yonkers Tax Assessment Maps.

CONTRACTORS' LINE & GRADE SOUTH, LLC
23 Nepperhan Avenue
Elmsford, New York 10523
Phone: (914) 347-3141 Fax: (914) 347-3120
Office@lineandgrade.net

SKETCH PLAN OF
MONITORING WELLS AND EXCAVATED AREAS
PREPARED FOR
SFC YONKERS, LLC
PROPERTY SITUATE IN THE
CITY OF YONKERS
COUNTY OF WESTCHESTER
STATE OF NEW YORK
DATE: AUGUST 10, 2017

Land Projects R2004\06-978_Capelli Gateway Center, Yonkers\dwg\Easements.dwg

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE, PINE BROOK, N.J. 07058 PH: 973-808-9050

rev	date	description

drawn by: yy
checked by: FD
scale: 1" = 40'±
date: 10/02/17

FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 090531

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

drawing title: SITE BOUNDARY PLAN

job no. 7190A
drawing no. FIG-1.2

N:\ACAD\7190A\2017-SMP\7190A FIG-1.2 SURVEY PLAN.dwg FIG-1.2, 10/3/2017 12:27:01 PM, 1:1

N:\ACAD\7190A\2017-SMP\7190A FIG-1.2 SURVEY PLAN.dwg, 10/03/17 01:27:09PM, jenny, LAYOUT FIG-1.2

N:\ACAD\7190A\2017-SMP\7190A FIG-2.1 CX.dwg, FIG-2.1, 10/3/2017 3:14:32 PM, 1:1

N:\ACAD\7190A\2017-SMP\7190A FIG-2.1 CX.DWG 10/03/17 03:14:31PM, jenny, LAYOUT:FIG-2.1

REFERENCE:

1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC, DATED OCTOBER 13, 2006.
3. ALL SESI MONITORING WELL & SOIL VAPOR SAMPLE LOCATIONS WERE SURVEYED IN THE FIELD BY CONTRACTORS LINE & GRADE AND CONTROL POINT ASSOCIATES, INC..
4. MCLAREN ENGINEERING GROUP BORING & TEST PIT LOCATIONS TAKEN FROM 'PRELIMINARY GEOTECHNICAL REPORT' BY MCLAREN ENGINEERING GROUP, DATED JANUARY 30, 2007.
5. WARREN & PANZER ENGINEERS BORING LOCATIONS TAKEN FROM 'PRELIMINARY GEOTECHNICAL REPORT' BY WARREN & PANZER ENGINEERS, PC. DATED DECEMBER 3, 2004, AND ARE SHOWN AS APPROXIMATE ONLY.

Scale: 1"= 40'

0 20 40 80 120 160

LEGEND:

▲ SV2 - SOIL VAPOR SAMPLE LOCATION BY SESI (2007)

MW2 - SHALLOW GROUND WATER MONITORING WELL LOCATION & SOIL SAMPLE LOCATION BY SESI (2007)

MCB-2 - BORINGS BY MCLAREN ENGINEERING GROUP (LOCATIONS APPROXIMATE)

MGP-2 - TEST PIT BY MCLAREN ENGINEERING GROUP (LOCATIONS APPROXIMATE)

WPB-1 ● - BORINGS BY WARREN & PANZER ENGINEERS (LOCATIONS APPROXIMATE)

SB-1 - SOIL BORING LOCATION BY SESI (2007)

MW-32 ● - DEEP GROUND WATER MONITORING WELL LOCATION & SOIL SAMPLE LOCATION BY SESI (2007)

FTU - FILL THICKNESS UNKNOWN

RX @ EL 56; RX> 15' - BEDROCK ELEVATION OR DEPTH GREATER THAN

—60— - EXISTING CONTOUR

FIG-2.1	job no. 7190A	SFC YONKERS, LLC CHICKEN ISLAND CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK
of	drawing no.	drawing title: GEOLOGICAL CROSS SECTION PLAN

FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 090531

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

drawn by:	yy
checked by:	FD
scale:	1" = 40'
date:	10/02/17

rev	date	description	by

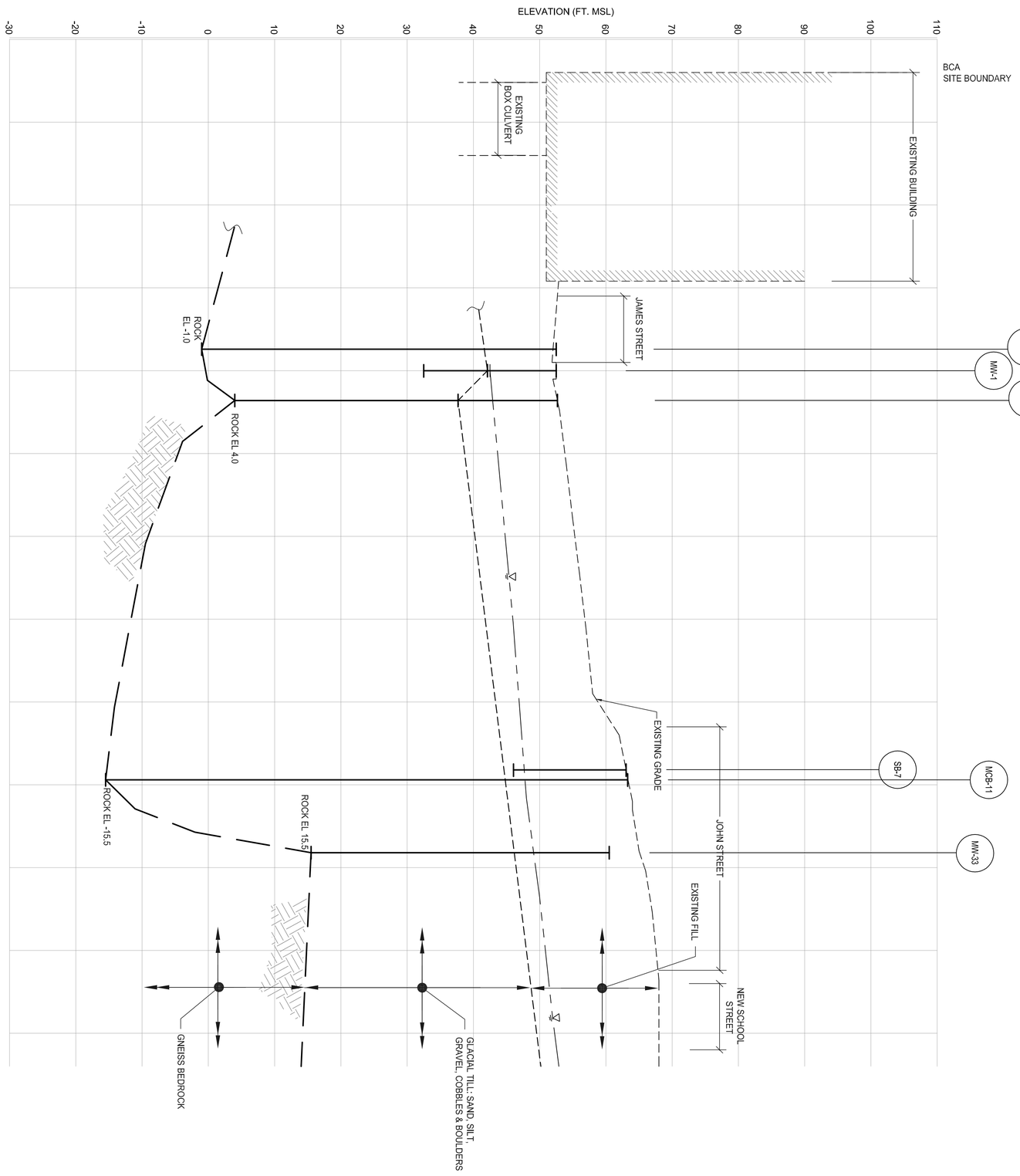
REFERENCE:

MW - ALL SESI MONITORING WELL & SOIL VAPOR SAMPLE LOCATIONS WERE SURVEYED IN THE FIELD BY CONTRACTORS LINE & GRADE AND BY CONTROL POINT ASSOCIATES, INC..

MCTP - MCLAREN ENGINEERING GROUP BORING & TEST PIT LOCATIONS TAKEN FROM 'PRELIMINARY GEOTECHNICAL REPORT' BY WARREN & PANZER MCLAREN ENGINEERING GROUP, DATED JANUARY 30, 2007.

WPB - WARREN & PANZER ENGINEERS BORING LOCATIONS TAKEN FROM 'PRELIMINARY GEOTECHNICAL REPORT' BY WARREN & PANZER ENGINEERS, PC., DATED DECEMBER 3, 2004, AND ARE SHOWN AS APPROXIMATE ONLY.

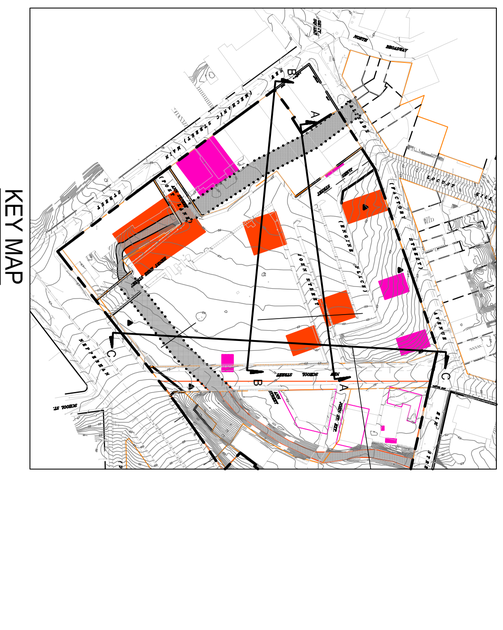
SB - SOIL BORING LOCATIONS WERE OBTAINED BY TAPING FROM FIXED OBJECTS IN THE FIELD. NO SURVEY WAS PERFORMED FOR SOIL BORING LOCATIONS.



SECTION A-A

SCALE: VERT.:1"=10';
HOR.: 1"=40'

NOTES:
ALL MONITORING WELL, BORING & TEST PIT LOCATIONS & DATA SHOWN ARE APPROXIMATE & MAY BE OFFSET FROM ACTUAL SECTION LOCATION. SEE RA-5 FOR LOCATION IN RELATION TO SECTION.



KEY MAP

SCALE: 1" = 200'

job no.	7190A
drawing no.	FIG-2.2A
of	

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY,
NEW YORK

drawing title:

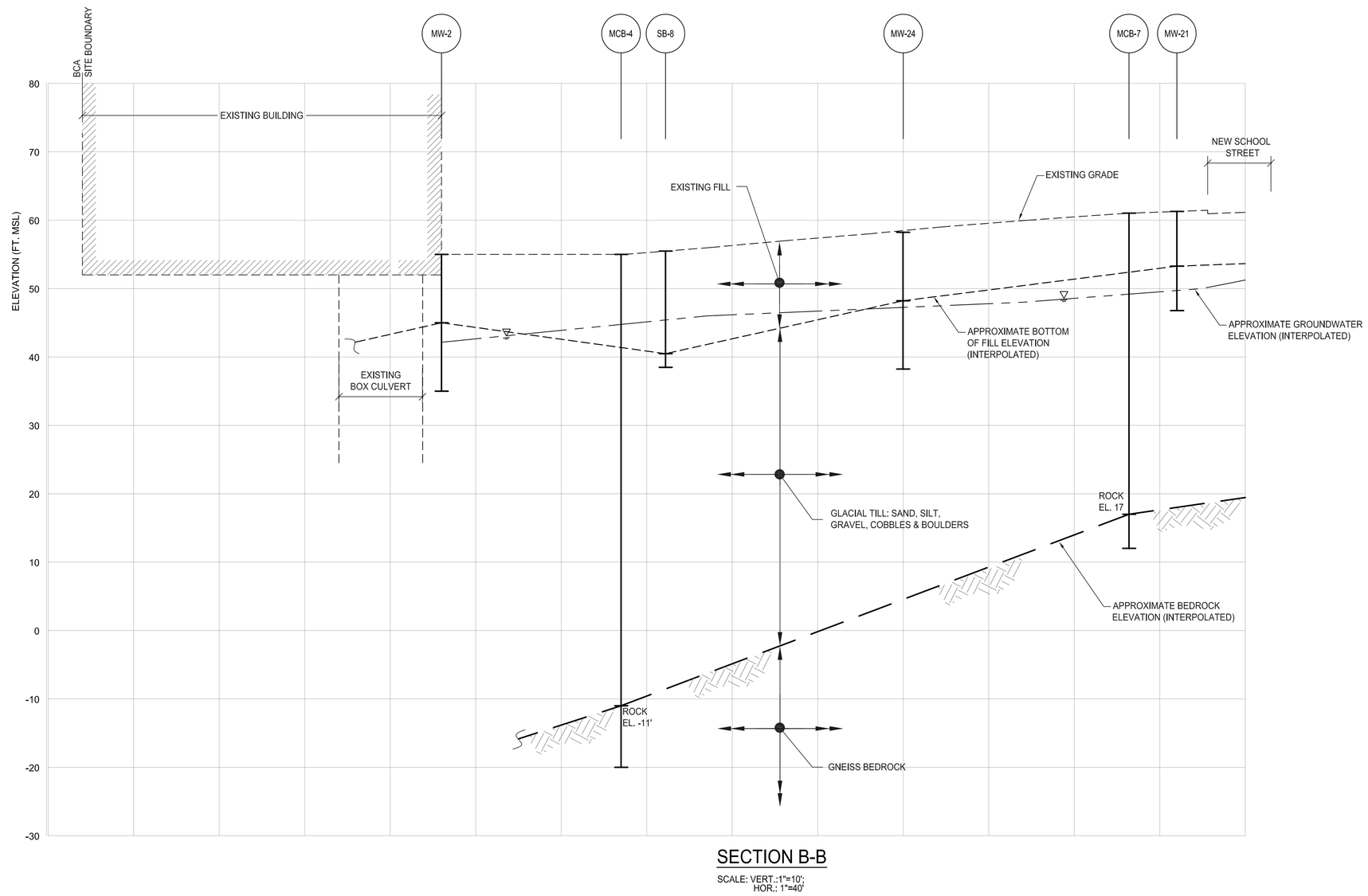
CROSS SECTION A-A

FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 090531

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

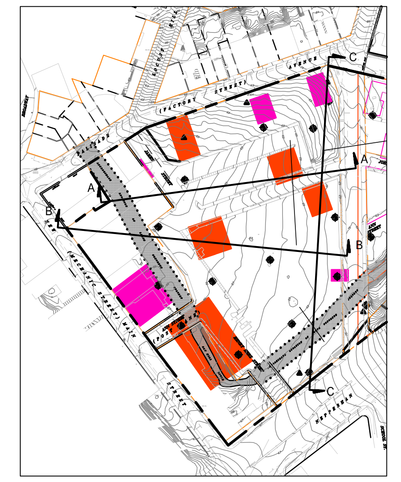
drawn by:	yy
checked by:	FD
scale:	AS NOTED
date:	10/02/17

rev	date	description	by



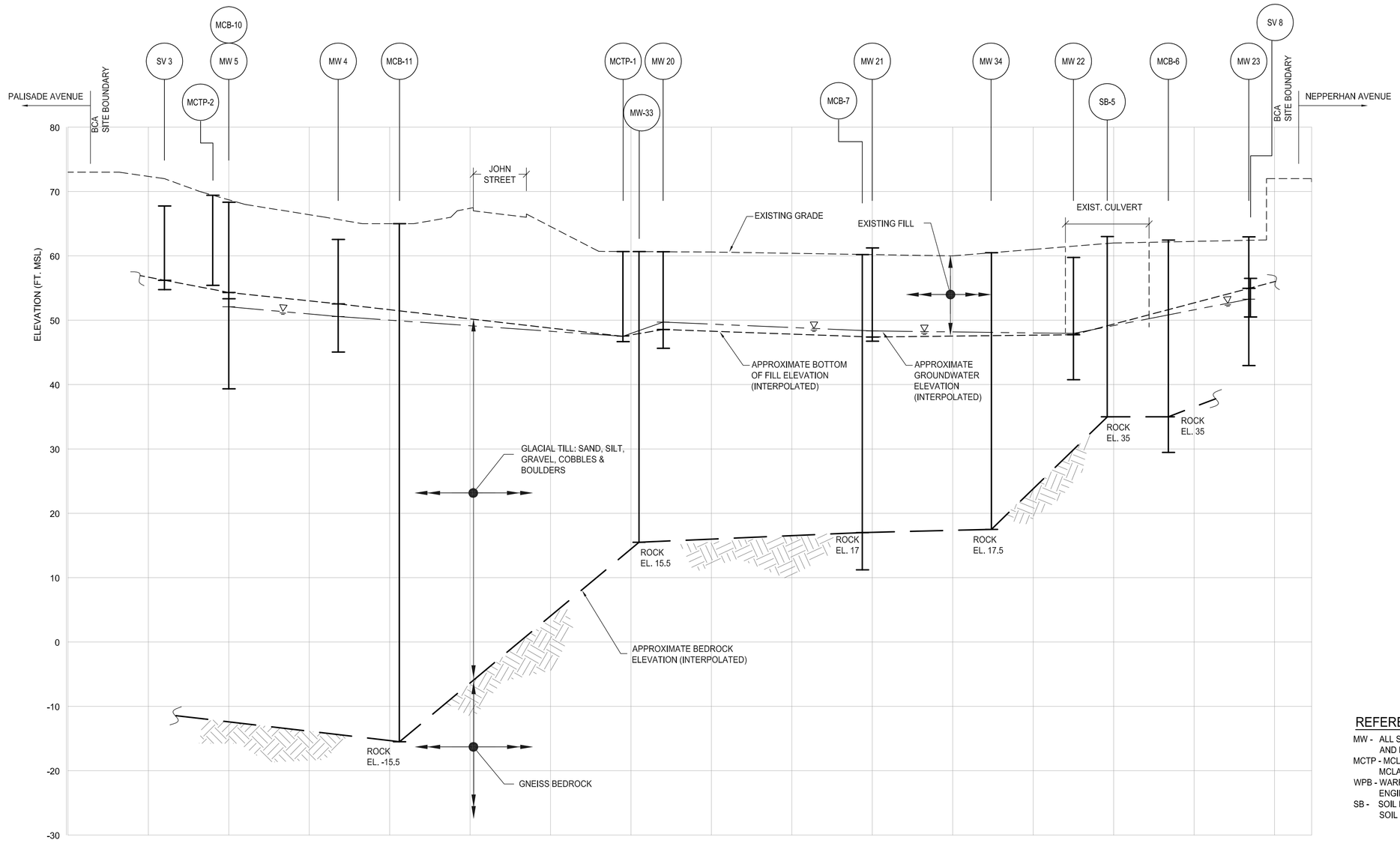
SECTION B-B

SCALE: VERT.:1"=10';
HOR.: 1"=40'



KEY MAP

SCALE: 1" = 200'



SECTION C-C

SCALE: VERT.:1"=10';
HOR.: 1"=40'

REFERENCE:

MW - ALL SESI MONITORING WELL & SOIL VAPOR SAMPLE LOCATIONS WERE SURVEYED IN THE FIELD BY CONTRACTORS LINE & GRADE AND BY CONTROL POINT ASSOCIATES, INC..
MCTP - MCLAREN ENGINEERING GROUP BORING & TEST PIT LOCATIONS TAKEN FROM 'PRELIMINARY GEOTECHNICAL REPORT' BY MCLAREN ENGINEERING GROUP, DATED JANUARY 30, 2007.
WPB - WARREN & PANZER ENGINEERS BORING LOCATIONS TAKEN FROM 'PRELIMINARY GEOTECHNICAL REPORT' BY WARREN & PANZER ENGINEERS, PC. DATED DECEMBER 3, 2004, AND ARE SHOWN AS APPROXIMATE ONLY.
SB - SOIL BORING LOCATIONS WERE OBTAINED BY TAPING FROM FIXED OBJECTS IN THE FIELD. NO SURVEY WAS PERFORMED FOR SOIL BORING LOCATIONS.

NOTES:

ALL MONITORING WELL, BORING & TEST PIT LOCATIONS & DATA SHOWN ARE APPROXIMATE & MAY BE OFFSET FROM ACTUAL SECTION LOCATION. SEE RA-5 FOR LOCATION IN RELATION TO SECTION.

rev	date	description

drawn by: yy
checked by: FD
scale: AS NOTED
date: 10/02/17

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 095531

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

drawing title: CROSS SECTIONS B-B & C-C

job no. 7190A
drawing no. FIG-2.2B

of

N:\ACAD\7190A\2017-SMP\7190A FIG-2.1 CX.dwg FIG-2.2B, 10/3/2017 2:23:15 PM, t.t1

N:\ACAD\7190A\2017-SMP\7190A FIG-2.1 CX.DWG 10/03/17 02:23:15PM, jenny_LAYOUT:FIG--2.2B

NOTES:

1. EXISTING MONITORING WELLS INSTALLED IN 2007 WERE REDEVELOPED AND SAMPLED ON JUNE 30, 2017. ADDITIONAL MONITORING WELLS WERE INSTALLED, DEVELOPED, AND SAMPLED IN JULY AND AUGUST 2017. RESULTS FOR ONLY VOLATILE ORGANIC COMPOUNDS (VOCS) ARE SHOWN.
2. GROUNDWATER CONTOUR AND FLOW DIRECTION INFORMATION WERE OBTAINED FROM THE GROUNDWATER SAMPLING EVENTS CONDUCTED BY SESI IN JUNE TO AUGUST 2017.

LEGEND:

- BCP SITE BOUNDARY
- MW-24 - EXISTING SHALLOW GROUND WATER MONITORING WELL LOCATION INSTALLED IN 2007
- MW-32 - EXISTING DEEP GROUND WATER MONITORING WELL LOCATION INSTALLED IN 2007
- MW-101S - EXISTING SHALLOW GROUND WATER MONITORING WELL LOCATION INSTALLED IN 2017
- MW-103D - EXISTING DEEP GROUND WATER MONITORING WELL LOCATION INSTALLED IN 2017
- 44 - GROUNDWATER CONTOUR (2017)

REFERENCE:

1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC, DATED AUGUST 10, 2017.
2. HISTORIC BUSINESS LOCATIONS WERE TAKEN FROM THE DRAWING ENTITLED "PROPOSED BROWNFIELD PROPERTY STATUS, PROPOSED GATEWAY CENTER DEVELOPMENT" PREPARED BY PAULUS SOKOLOWSKI, & SARTOR, DATED 7-13-06.

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

drawing title: GROUNDWATER CONTOUR LINE

FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 090531

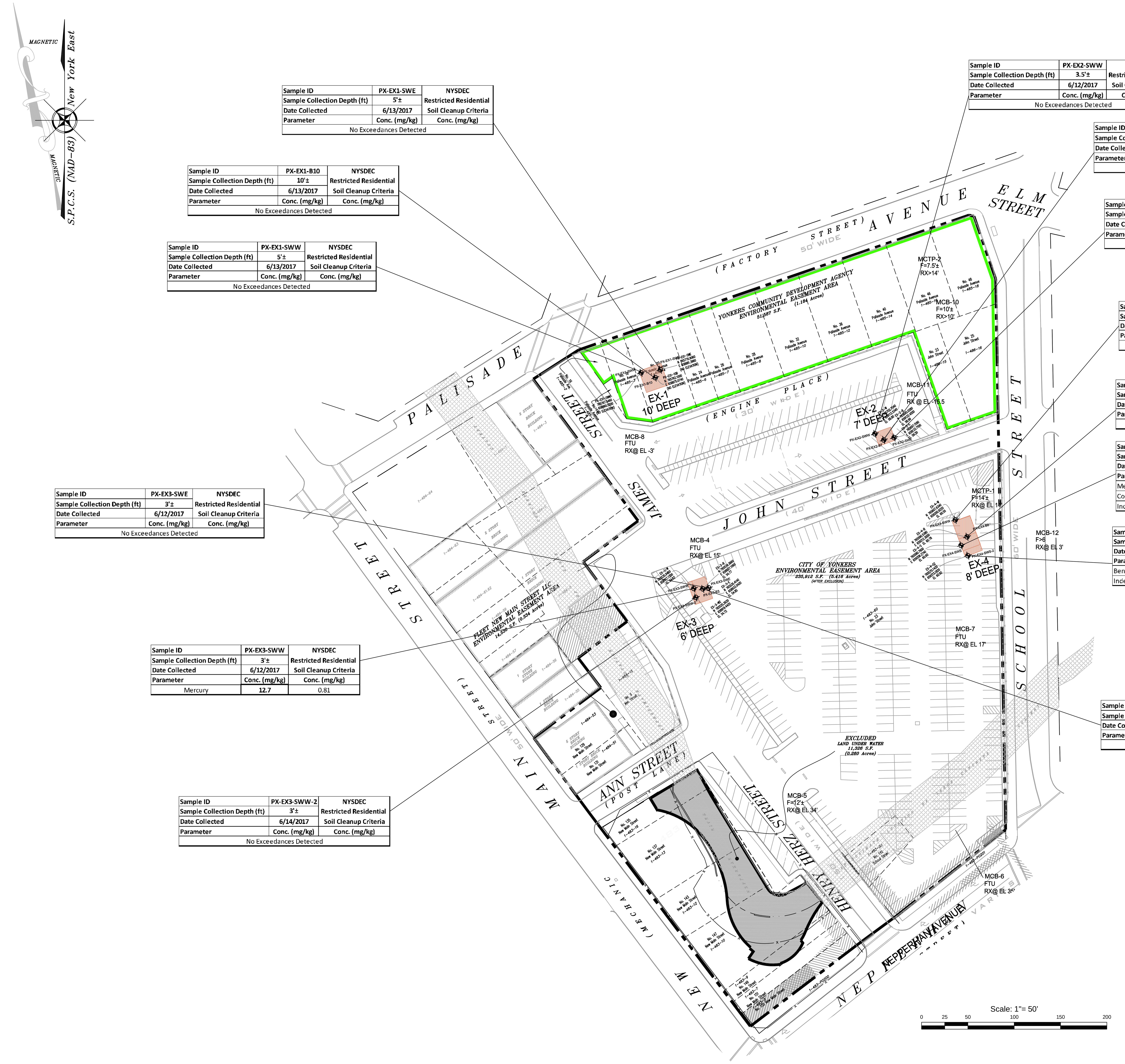
SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

drawn by:	yy
checked by:	FD
scale:	1" = 50'
date:	10/02/17

rev	date	description	by

job no. 7190A
drawing no.

FIG-2.3



Sample ID	PX-EX1-SWE	NYSDEC
Sample Collection Depth (ft)	5'±	Restricted Residential
Date Collected	6/13/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX1-B10	NYSDEC
Sample Collection Depth (ft)	10'±	Restricted Residential
Date Collected	6/13/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX1-SWW	NYSDEC
Sample Collection Depth (ft)	5'±	Restricted Residential
Date Collected	6/13/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX3-SWE	NYSDEC
Sample Collection Depth (ft)	3'±	Restricted Residential
Date Collected	6/12/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX3-SWW	NYSDEC
Sample Collection Depth (ft)	3'±	Restricted Residential
Date Collected	6/12/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
Mercury	**12.7**	0.81

Sample ID	PX-EX3-SWW-2	NYSDEC
Sample Collection Depth (ft)	3'±	Restricted Residential
Date Collected	6/14/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX2-SWW	NYSDEC
Sample Collection Depth (ft)	3.5'±	Restricted Residential
Date Collected	6/12/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX2-B7	NYSDEC
Sample Collection Depth (ft)	7'±	Restricted Residential
Date Collected	6/12/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX2-SWE	NYSDEC
Sample Collection Depth (ft)	3.5'±	Restricted Residential
Date Collected	6/12/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PZ-EX4-SWW	NYSDEC
Sample Collection Depth (ft)	4'±	Restricted Residential
Date Collected	6/15/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PZ-EX4-B8	NYSDEC
Sample Collection Depth (ft)	8'±	Restricted Residential
Date Collected	6/15/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PZ-EX4-SWS	NYSDEC
Sample Collection Depth (ft)	4'±	Restricted Residential
Date Collected	6/15/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
Mercury	**1.4**	0.81
Cooper	**919**	270
Indeno[1,2,3-cd]pyrene	**0.68**	0.50

Sample ID	PX-EX4-SWS-2	NYSDEC
Sample Collection Depth (ft)	4'±	Restricted Residential
Date Collected	6/20/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
Benzo(b)fluoranthene	**1**	1.0
Indeno[1,2,3-cd]pyrene	**0.52**	0.5

Sample ID	PX-EX3-B3	NYSDEC
Sample Collection Depth (ft)	6'±	Restricted Residential
Date Collected	6/12/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

LEGEND:

- BCP SITE BOUNDARY
- EXCAVATION AREAS (EX-1)
- POST EXCAVATION SAMPLE LOCATION AND NAME (PX-EX2-SWE)

REFERENCE:
1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC, DATED AUGUST 10, 2017.
2. SAMPLING LOCATIONS CONFIRMED BY CONTRACTORS' LINE & GRADE SOUTH, LLC SURVEY, DATED OCTOBER 16, 2007 AND BY CONTROL POINT ASSOCIATES, INC.
3. HISTORIC BUSINESS LOCATIONS WERE TAKEN FROM THE DRAWING ENTITLED "PROPOSED BROWNFIELD PROPERTY STATUS, PROPOSED GATEWAY CENTER DEVELOPMENT" PREPARED BY PAULUS SOKOLOWSKI, & SARTOR, DATED 7-13-06.

NOTES:
1. COMPOUNDS WITH CONCENTRATIONS ABOVE NYSDEC UNRESTRICTED USE CRITERIA INDICATED ON THIS PLAN.
2. SHADING IN RESULTS BOX INDICATES CONCENTRATION EXCEEDING NYSDEC RESTRICTED RESIDENTIAL USE CRITERIA.

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

drawing title:
POST - EXCAVATION SOIL RESULTS PLAN

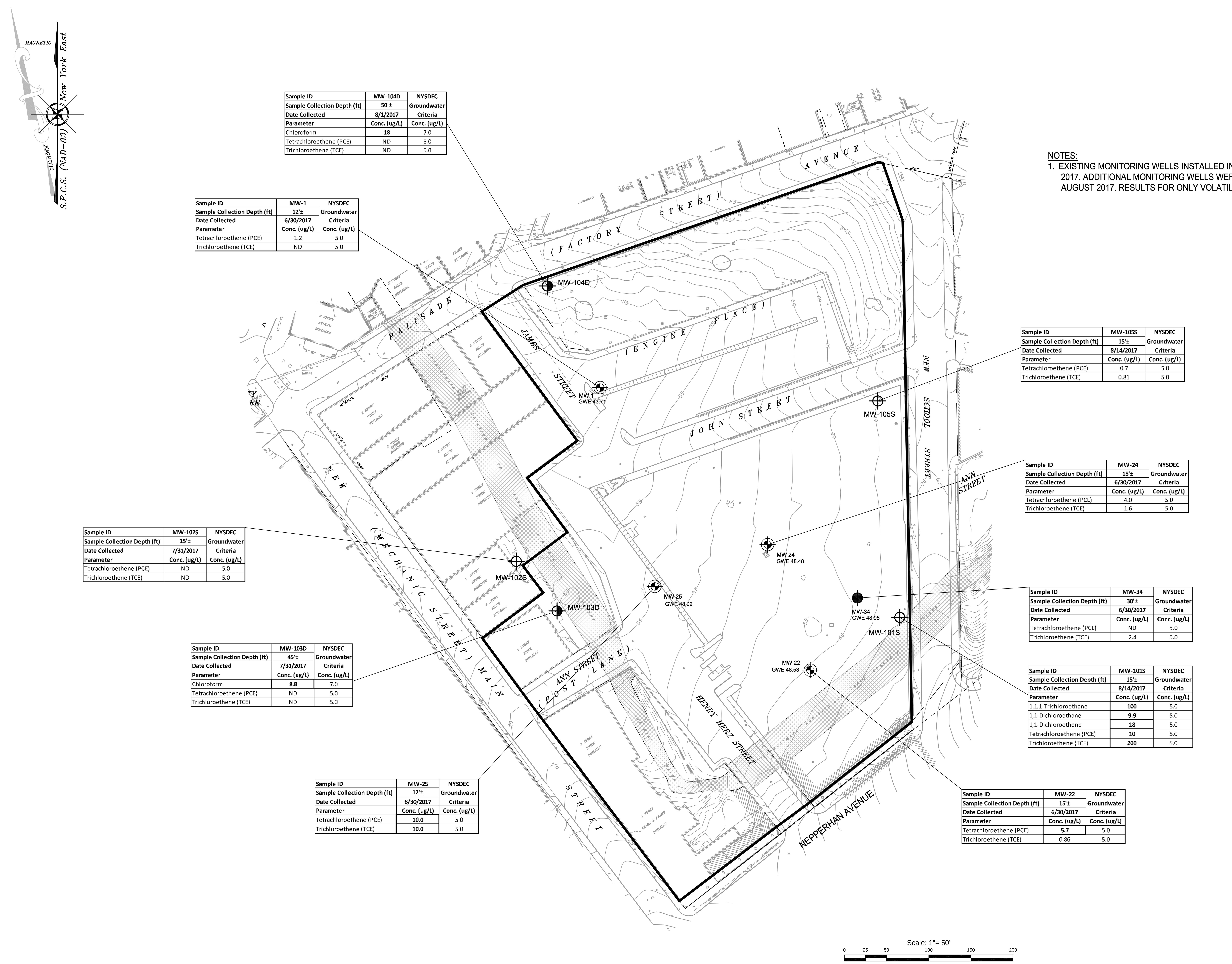
FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 090531

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

drawn by: yy
checked by: FD
scale: 1" = 50'
date: 10/02/17

rev	date	description	by

job no. 7190A
drawing no.
FIG-2.4



NOTES:
1. EXISTING MONITORING WELLS INSTALLED IN 2007 WERE REDEVELOPED AND SAMPLED ON JUNE 30, 2017. ADDITIONAL MONITORING WELLS WERE INSTALLED, DEVELOPED, AND SAMPLED IN JULY AND AUGUST 2017. RESULTS FOR ONLY VOLATILE ORGANIC COMPOUNDS (VOCS) ARE SHOWN.

Sample ID	MW-104D	NYSDEC
Sample Collection Depth (ft)	50'±	Groundwater
Date Collected	8/1/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Chloroform	**18**	7.0
Tetrachloroethene (PCE)	ND	5.0
Trichloroethene (TCE)	ND	5.0

Sample ID	MW-1	NYSDEC
Sample Collection Depth (ft)	12'±	Groundwater
Date Collected	6/30/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	1.2	5.0
Trichloroethene (TCE)	ND	5.0

Sample ID	MW-105S	NYSDEC
Sample Collection Depth (ft)	15'±	Groundwater
Date Collected	8/14/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	0.7	5.0
Trichloroethene (TCE)	0.81	5.0

Sample ID	MW-24	NYSDEC
Sample Collection Depth (ft)	15'±	Groundwater
Date Collected	6/30/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	4.0	5.0
Trichloroethene (TCE)	1.6	5.0

Sample ID	MW-102S	NYSDEC
Sample Collection Depth (ft)	15'±	Groundwater
Date Collected	7/31/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	ND	5.0
Trichloroethene (TCE)	ND	5.0

Sample ID	MW-34	NYSDEC
Sample Collection Depth (ft)	30'±	Groundwater
Date Collected	6/30/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	ND	5.0
Trichloroethene (TCE)	2.4	5.0

Sample ID	MW-103D	NYSDEC
Sample Collection Depth (ft)	45'±	Groundwater
Date Collected	7/31/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Chloroform	**8.8**	7.0
Tetrachloroethene (PCE)	ND	5.0
Trichloroethene (TCE)	ND	5.0

Sample ID	MW-101S	NYSDEC
Sample Collection Depth (ft)	15'±	Groundwater
Date Collected	8/14/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
1,1,1-Trichloroethane	**100**	5.0
1,1-Dichloroethane	**9.9**	5.0
1,1-Dichloroethene	**18**	5.0
Tetrachloroethene (PCE)	**10**	5.0
Trichloroethene (TCE)	**260**	5.0

Sample ID	MW-25	NYSDEC
Sample Collection Depth (ft)	12'±	Groundwater
Date Collected	6/30/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	**10.0**	5.0
Trichloroethene (TCE)	**10.0**	5.0

Sample ID	MW-22	NYSDEC
Sample Collection Depth (ft)	15'±	Groundwater
Date Collected	6/30/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	**5.7**	5.0
Trichloroethene (TCE)	0.86	5.0

LEGEND:
- SITE BOUNDARY
MW-24 - SHALLOW GROUND WATER MONITORING WELL LOCATION INSTALLED IN 2007
MW-32 - DEEP GROUND WATER MONITORING WELL LOCATION INSTALLED IN 2007
MW-101S - SHALLOW GROUND WATER MONITORING WELL LOCATION INSTALLED IN 2017
MW-103D - DEEP GROUND WATER MONITORING WELL LOCATION INSTALLED IN 2017

REFERENCE:
1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC, DATED AUGUST 10, 2017.
2. HISTORIC BUSINESS LOCATIONS WERE TAKEN FROM THE DRAWING ENTITLED "PROPOSED BROWNFIELD PROPERTY STATUS, PROPOSED GATEWAY CENTER DEVELOPMENT" PREPARED BY PAULUS SOKOLOWSKI, & SARTOR, DATED 7-13-06.

rev	date	description	by
1	7/11/17	MODIFY GROUNDWATER CONTOUR & ADD MW LOC.	yy

drawn by: yy
checked by: FD
scale: 1" = 50'
date: 10/02/17

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 090531

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

drawing title:
GROUNDWATER SAMPLING RESULTS PLAN

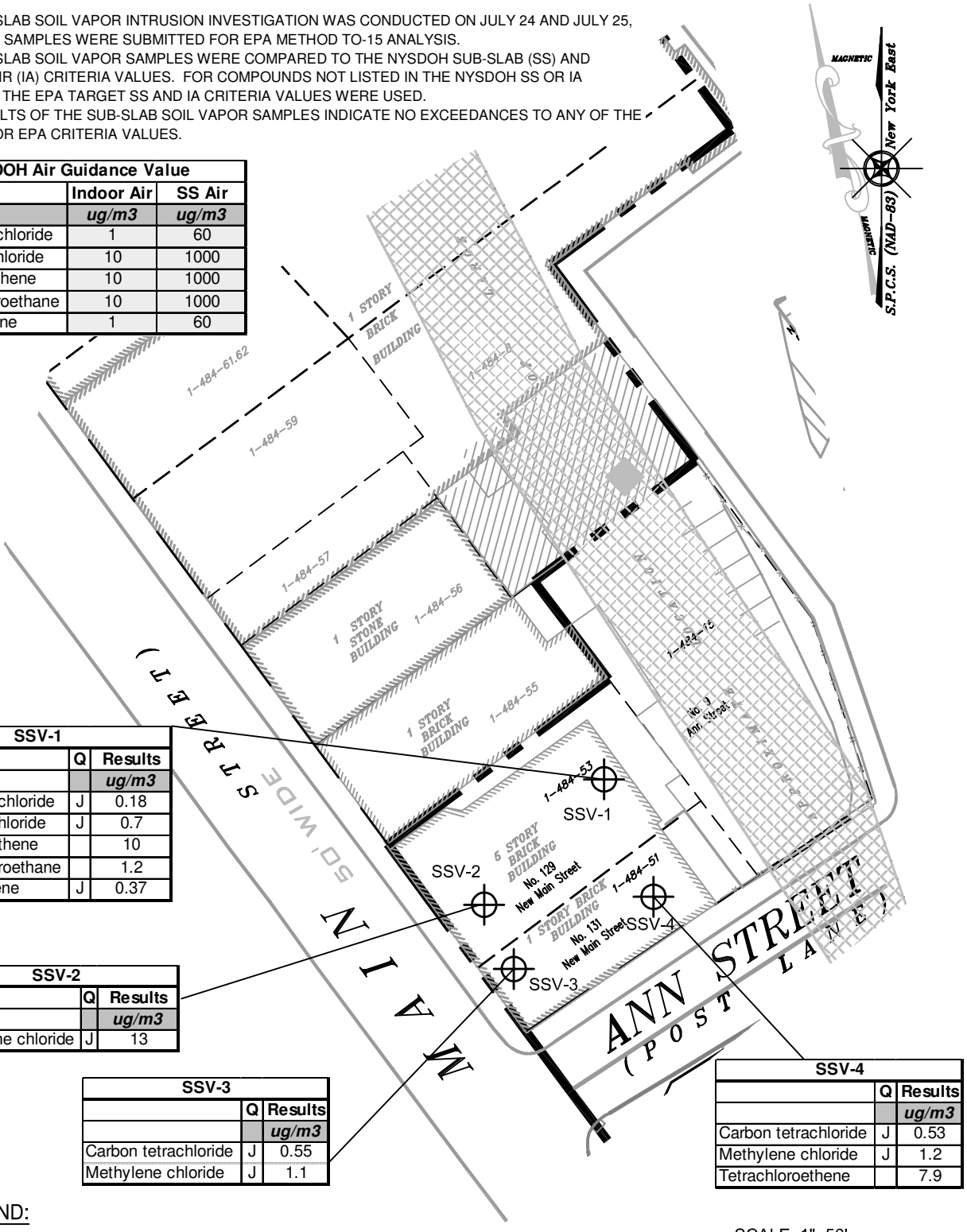
job no. 7190A
drawing no.

FIG-2.5

NOTES:

1. THE SUB-SLAB SOIL VAPOR INTRUSION INVESTIGATION WAS CONDUCTED ON JULY 24 AND JULY 25, 2017. THE SAMPLES WERE SUBMITTED FOR EPA METHOD TO-15 ANALYSIS.
2. THE SUB-SLAB SOIL VAPOR SAMPLES WERE COMPARED TO THE NYSDOH SUB-SLAB (SS) AND INDOOR AIR (IA) CRITERIA VALUES. FOR COMPOUNDS NOT LISTED IN THE NYSDOH SS OR IA CRITERIA, THE EPA TARGET SS AND IA CRITERIA VALUES WERE USED.
3. THE RESULTS OF THE SUB-SLAB SOIL VAPOR SAMPLES INDICATE NO EXCEEDANCES TO ANY OF THE NYSDOH OR EPA CRITERIA VALUES.

NYSDOH Air Guidance Value		
	Indoor Air	SS Air
	ug/m3	*ug/m3*
Carbon tetrachloride	1	60
Methylene chloride	10	1000
Tetrachloroethene	10	1000
1,1,1-Trichloroethane	10	1000
Trichloroethene	1	60



SSV-1		
	Q	Results
		ug/m3
Carbon tetrachloride	J	0.18
Methylene chloride	J	0.7
Tetrachloroethene		10
1,1,1-Trichloroethane		1.2
Trichloroethene	J	0.37

SSV-2		
	Q	Results
		ug/m3
Methylene chloride	J	13

SSV-3		
	Q	Results
		ug/m3
Carbon tetrachloride	J	0.55
Methylene chloride	J	1.1

SSV-4		
	Q	Results
		ug/m3
Carbon tetrachloride	J	0.53
Methylene chloride	J	1.2
Tetrachloroethene		7.9

LEGEND:

- BCP SITE BOUNDARY

SSV-2 - SUB-SLAB SOIL VAPOR SAMPLE LOCATION

SCALE: 1"=50'

0 50 100

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

VAPOR INTRUSION SUB-SLAB RESULTS PLAN

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

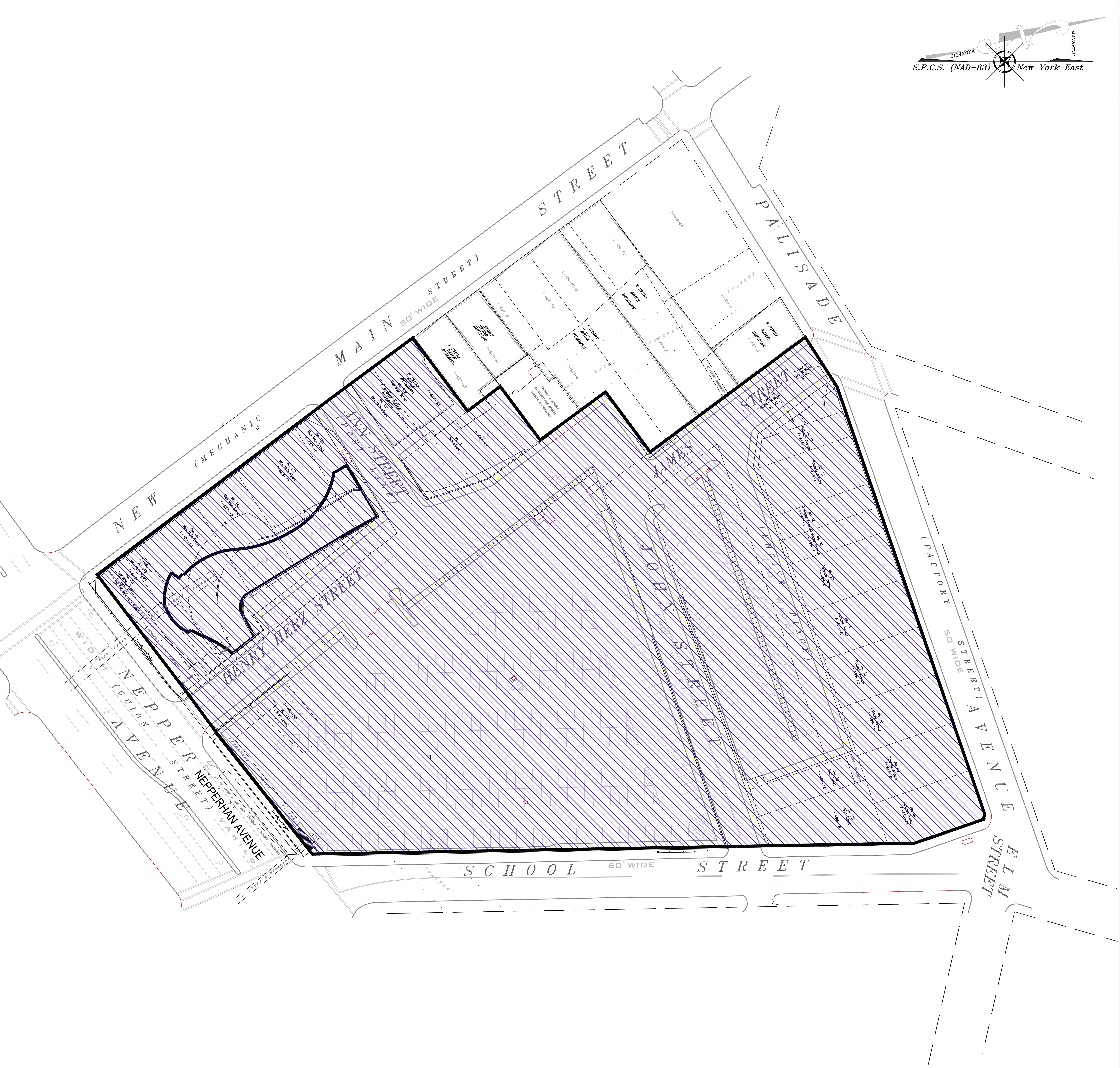
FIG-2.6

DRAWN BY: yy
CHECKED BY: FD
SCALE: 1" = 50'
DATE: 10/02/17
JOB NO.: 7190A

N:\ACAD\7190A\2017-SMP\7190A FIG-3.1 IC BOUNDARY.dwg, FIG-3.1, 10/3/2017 2:34:13 PM, 1:1

N:\ACAD\7190A\2017-SMP\7190A FIG-3.1 IC BOUNDARY.DWG 10/03/17 02:34:13PM, jenny, LAYOUT:FIG-3.1

REFERENCE:
1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC. DATED AUGUST 10, 2017.
2. HISTORIC BUSINESS LOCATIONS WERE TAKEN FROM THE DRAWING ENTITLED "PROPOSED BROWNFIELD PROPERTY STATUS, PROPOSED GATEWAY CENTER DEVELOPMENT" PREPARED BY PAULUS SOKOLOWSKI, & SARTOR, DATED 7-13-06.



Scale: 1"= 40'

0 20 40 80 120 160

LEGEND:
- SITE BOUNDARY

SFC YONKERS, LLC CHICKEN ISLAND CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK	
drawing title: INSTITUTIONAL CONTROL BOUNDARY PLAN	FUAD DAHAN, P.E. PROFESSIONAL ENGINEER N.Y. LIC. NO. 090531

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

drawn by:	yy
checked by:	FD
scale:	1" = 40'
date:	10/02/17

rev	date	description	by

job no. 7190A
drawing no. FIG-3.1

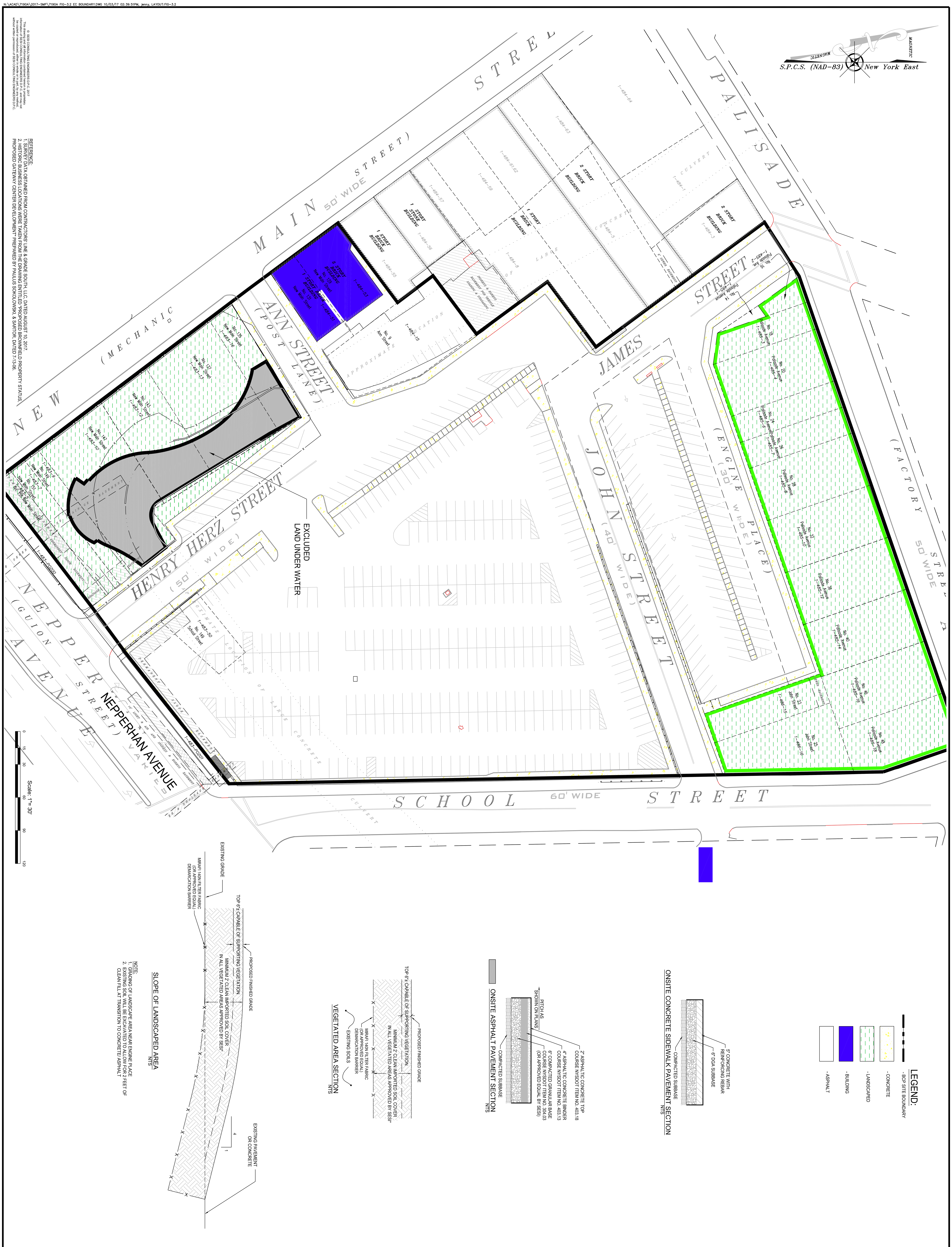


FIG-3.2

job no. 7190A
drawing no.

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY,
NEW YORK

drawing title:
ENGINEERING CONTROL BOUNDARY PLAN

FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 090531

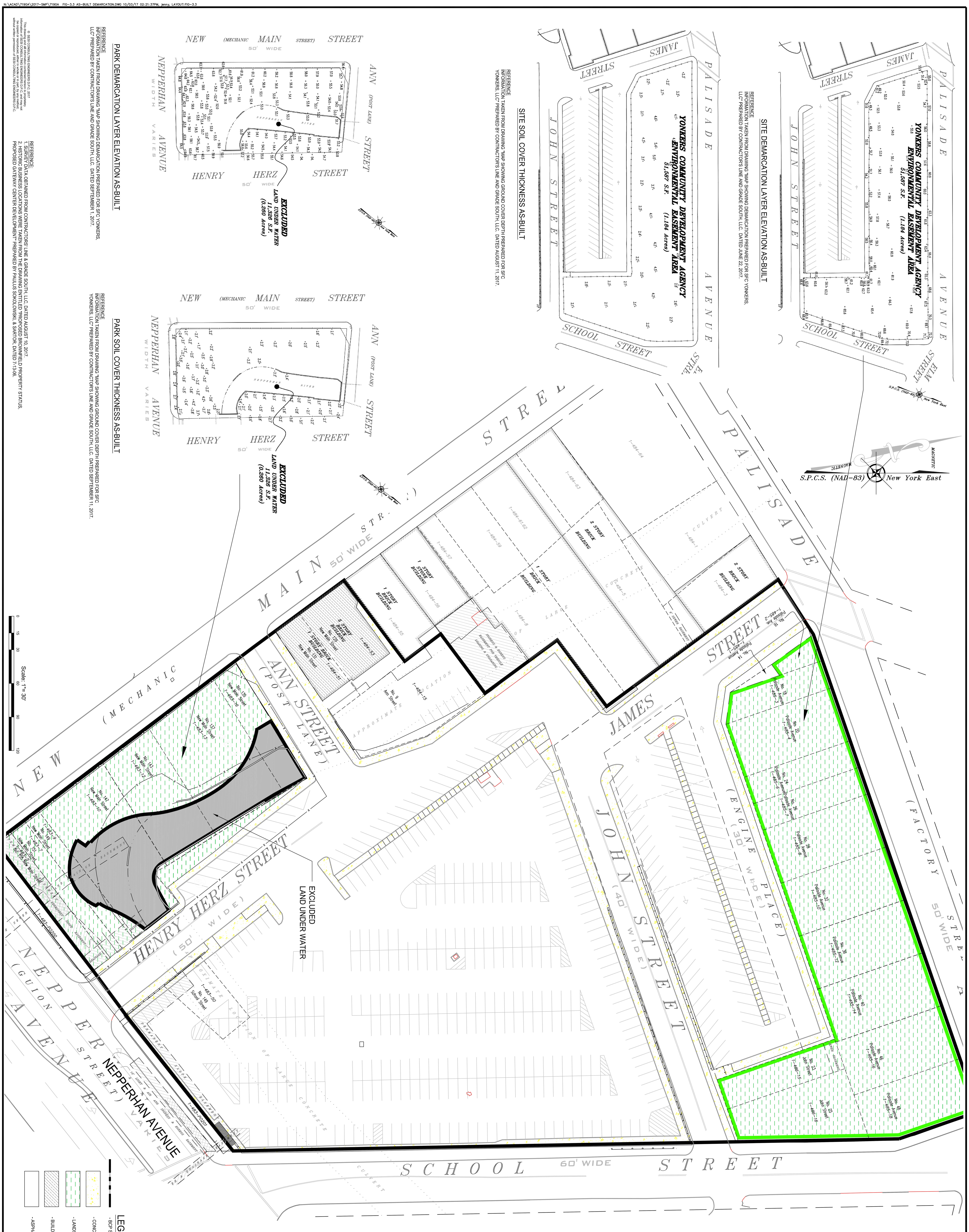
SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

drawn by:	yy
checked by:	FD
scale:	1" = 30'
date:	10/02/17

rev	date	description	by

N:\ACAD\7190A\2017-SMP\7190A FIG-3.3 AS-BUILT DEMARCATION.dwg, FIG-3.3, 10/3/2017 2:21:38 PM, 1:1

N:\ACAD\7190A\2017-SMP\7190A FIG-3.3 AS-BUILT DEMARCATION.DWG 10/03/17 02:21:37PM, jenny, LAYOUT:FIG-3.3



SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY,
NEW YORK

drawing title: AS-BUILT DEMARCATION AND SOIL COVER PLAN

FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 090531

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

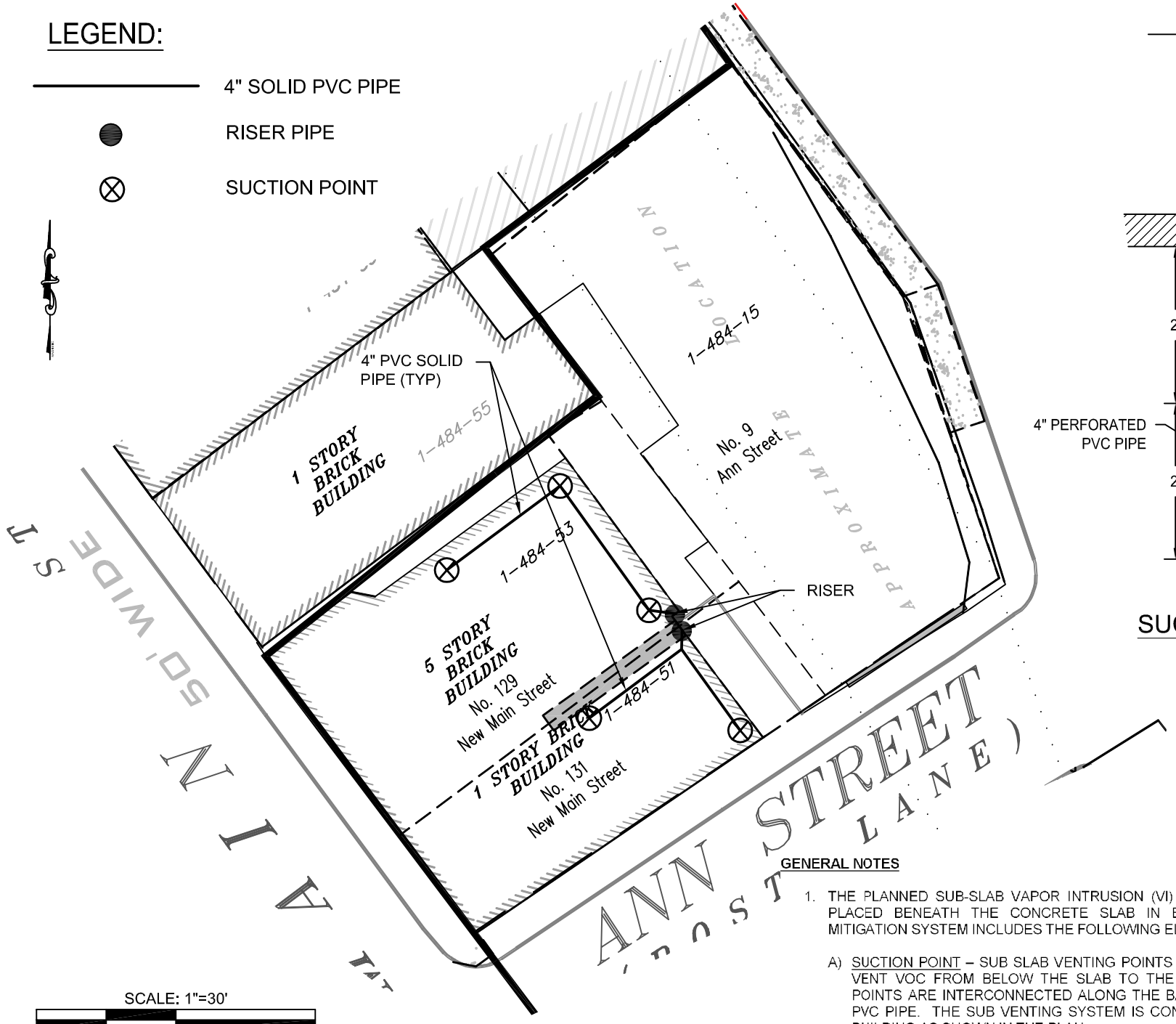
drawn by:	yy
checked by:	FD
scale:	1" = 30'
date:	10/02/17

rev	date	description	by

job no. 7190A
drawing no.
FIG-3.3

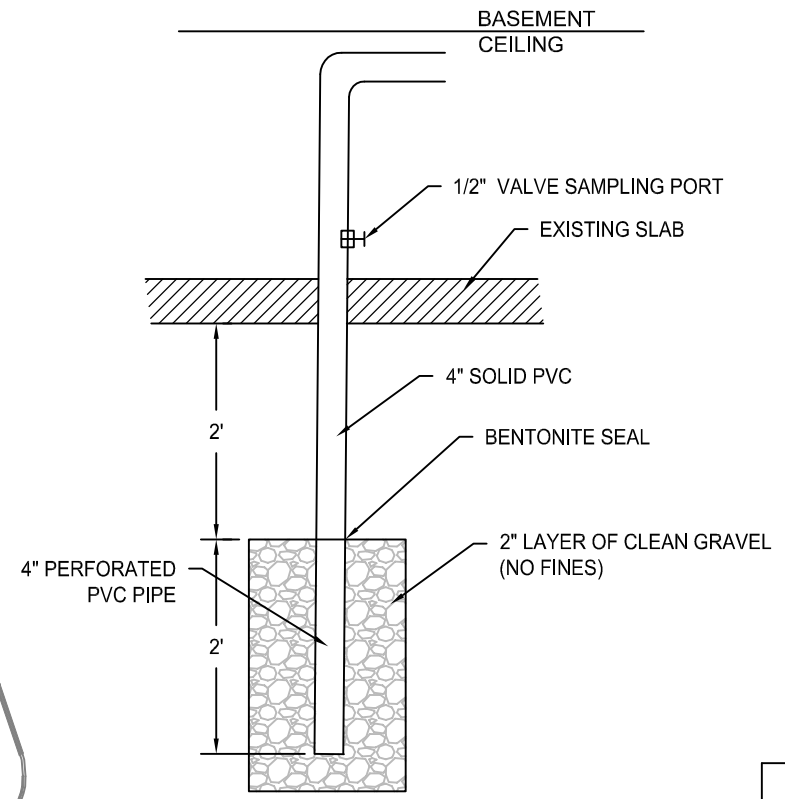
LEGEND:

- 4" SOLID PVC PIPE
- RISER PIPE
- SUCTION POINT

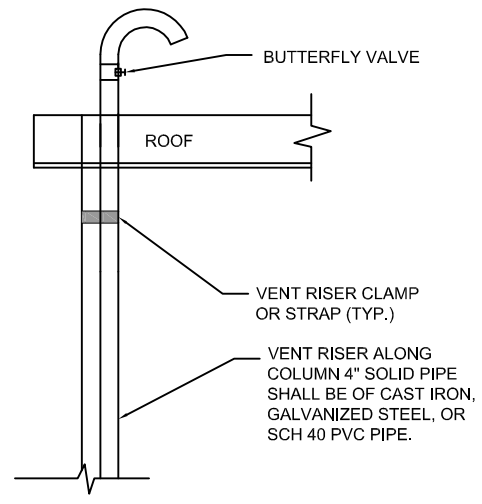


SCALE: 1"=30'

0 30 60



SUCTION POINT DETAIL
NTS



NOTES:
1. TERMINATION OF PASSIVE VENT RISER SHALL BE AS FOLLOWS:
   A. 10' MIN. AWAY FROM, OR AT LEAST 3' ABOVE ANY OPENABLE WINDOW, DOOR, OPENING OR AIR INTAKE, OR VENT SHAFT.
   B. EXTEND THROUGH THE VENT FLASHING, 24" MIN. ABOVE THE ROOF, AND 1' MIN. FROM ANY PARAPET OR BUILDING WALL.
2. SUPPORT ALL PIPING.
3. THE PIPING OF THE VENTING SYSTEM SHALL BE TESTED WITH AIR
4. ALL TEES, VALVES, & INSPECTION PORTS SHALL FACE 180 DEGREES AWAY FROM THE EXTERIOR BUILDING WALL TOWARDS THE INTERIOR OF THE BUILDING.

VENT RISER DETAIL
NTS

GENERAL NOTES

1. THE PLANNED SUB-SLAB VAPOR INTRUSION (VI) MITIGATION SYSTEM WILL BE PLACED BENEATH THE CONCRETE SLAB IN EXISTING BUILDING. THE VI MITIGATION SYSTEM INCLUDES THE FOLLOWING ELEMENTS:

   A) SUCTION POINT – SUB SLAB VENTING POINTS PLACES IN EACH BUILDING TO VENT VOC FROM BELOW THE SLAB TO THE OUTSIDE AIR. THE SUCTION POINTS ARE INTERCONNECTED ALONG THE BASEMENT CEILING WITH SOLID PVC PIPE. THE SUB VENTING SYSTEM IS CONNECTED TO A RISER IN EACH BUILDING AS SHOWN IN THE PLAN.
   B) RISERS – CONVEYANCE RISER PIPES WILL BE INSTALLED FROM THE SUB-SLAB SUCTION POINTS TO THE BUILDING ROOF AS SHOWN IN THE DRAWING

2. OPERATION OF THE VI MITIGATION SYSTEM IS DESIGNED TO BE PASSIVE. THERE ARE NO MOVING OR MECHANICAL PARTS. ALL VENT RISERS SHALL BE FREE OF OBSTRUCTIONS AND VENT VALVES SHALL BE SET IN A FULLY OPEN POSITION. IF NECESSARY, ADJUSTMENT OF THE VENT VALVES SHALL BE PERFORMED BY A COMPETENT AND RESPONSIBLE AGENT TO ENSURE ADEQUATE VENTING OF THE SUB-SLAB SPACE.

3. ALL SUB-SLAB COLLECTION LATERALS AND VERTICAL VENT RISERS SHALL BE FREE OF OBSTRUCTIONS, NOT INUNDATED WITH WATER, AND ABLE TO VENT AIR FREELY FROM BELOW THE BUILDING SLAB TO THE ATMOSPHERE.

REFERENCE:
1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC, DATED OCTOBER 13, 2006.
2. HISTORIC BUSINESS LOCATIONS WERE TAKEN FROM THE DRAWING ENTITLED "PROPOSED BROWNFIELD PROPERTY STATUS, PROPOSED GATEWAY CENTER DEVELOPMENT" PREPARED BY PAULUS SOKOLOWSKI, & SARTOR, DATED 7-13-06.

dwg by: yy
chk by: FD
scale: AS NOTED
date: 10/02/17

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project: SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

drawing title: SSDS AS-BUILT PLAN

job no: 7190A
drawing no: FIG-3.4

APPENDICES

APPENDIX A – LIST OF SITE CONTACTS

Name	Company	Project Position	Address	Phone Number
Mark Fonte	SFC Yonkers LLC	Volunteer Contact	225 Milburn Ave Milburn, NJ, 07041	(914) 490-3366
Linda R. Shaw	Knauf Shaw LLP	Attorney for Volunteer	1140 Crossroads Building 2 State Street Rochester NY, 14614	(585) 546-8430
Matthew Hubicki	NYSDEC	Project Manager	625 Broadway 11th Floor Albany NY, 12233	(518) 402-9605
Anthony Peretta	NYSDOH Bureau of Environmental Exposure Investigation	Public Health Specialist II	ESP Corning Tower Room 1787 Albany, NY 12237	(518) 402-7860
Michael St Pierre, P.E.	SESI Consulting Engineers, DPC	Principal, Senior Project Engineer	12A Maple Ave Pine Brook NJ, 07058	(973) 808-9050
Fuad Dahan, P.E.	SESI Consulting Engineers, DPC	Principal, Environmental Engineer	12A Maple Ave Pine Brook NJ, 07058	(973) 808-9050
Joseph Scardino	SESI Consulting Engineers, DPC	Site Manager	12A Maple Ave Pine Brook NJ, 07058	(973) 808-9050

APPENDIX B – ENVIRONMENTAL EASEMENT

This Appendix should include a copy of the Environmental Easement or appropriate deed restriction, environmental notice, etc. The figure/survey that shows the restricted areas must also be included in this Appendix as one is not always filed with the county clerk. In addition, this Appendix should include copies of any required access agreements of other properties required to perform site management activities.

The Office of the Westchester County Clerk: This page is part of the instrument; the County Clerk will rely on the information provided on this page for purposes of indexing this instrument. To the best of submitter's knowledge, the information contained on this Recording and Endorsement Cover Page is consistent with the information contained in the attached document.

571643029EAS0031

Westchester County Recording & Endorsement Page

Submitter Information

Name:	ATLANTIC TITLE	Phone:	516-358-0505 X 194
Address 1:	31 STEWART STREET	Fax:	516-358-0394
Address 2:		Email:	atlantictitleagency@gmail.com
City/State/Zip:	FLORAL PARK NY 11001	Reference for Submitter:	ATLC-17-914 B

Document Details

Control Number: **571643029** Document Type: **Easement (EAS)**

Package ID: 2017061300016001001 Document Page Count: **10** Total Page Count: **12**

Parties

☐ Additional Parties on Continuation page

1st PARTY		2nd PARTY	
1: FLEET NEW MAIN STREET LLC	- Other	1: PEOPLE OF THE STATE OF NEW YORK	- Other
2:		2:	

Property

☑ Additional Properties on Continuation page

Street Address: 9 ANN STREET Tax Designation: 1-484-15

City/Town: YONKERS Village:

Cross- References

☐ Additional Cross-Refs on Continuation page

1: 2: 3: 4:

Supporting Documents

1: TP-584

Recording Fees

Statutory Recording Fee:	$40.00
Page Fee:	$55.00
Cross-Reference Fee:	$0.00
Mortgage Affidavit Filing Fee:	$0.00
RP-5217 Filing Fee:	$0.00
TP-584 Filing Fee:	$5.00
Total Recording Fees Paid:	**$100.00**

Transfer Taxes

Consideration:	$0.00
Transfer Tax:	$0.00
Mansion Tax:	$0.00
Transfer Tax Number:	5846

Mortgage Taxes

Document Date:

Mortgage Amount:

Basic:	$0.00
Westchester:	$0.00
Additional:	$0.00
MTA:	$0.00
Special:	$0.00
Yonkers:	$0.00
Total Mortgage Tax:	**$0.00**

Dwelling Type: Exempt: ☐

Serial #:

RECORDED IN THE OFFICE OF THE WESTCHESTER COUNTY CLERK

Recorded: 11/27/2017 at 03:10 PM

Control Number: **571643029**

Witness my hand and official seal

Timothy C.Idoni
Westchester County Clerk

Record and Return To

☐ Pick-up at County Clerk's office

Knauf Shaw LLP
1400 Crossroads Building
2 State Street
Rochester, NY 14614
Attn: Melissa Slaughter

The Office of the Westchester County Clerk: This page is part of the instrument; the County Clerk will rely on the information provided on this page for purposes of indexing this instrument. To the best of submitter's knowledge, the information contained on this Recording and Endorsement Cover Page is consistent with the information contained in the attached document.

571643029EAS0031

Westchester County Recording & Endorsement Page

Document Details

Control Number: **571643029**

Document Type: **Easement (EAS)**

Package ID: 2017061300016001001

Document Page Count: 10

Total Page Count: 12

Properties Addendum

131 NEW MAIN STREET 10701	YONKERS	1 484 51
129 NEW MAIN STREET 10701	YONKERS	1 484 53

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

THIS INDENTURE made this 13th day of November, 2017, between Owner Fleet New Main Street LLC, having an office at 225 Millburn Avenue, Suite 202, Millburn, New Jersey 07041, County of Essex, State of New Jersey (the "Grantor"), and The People of the State of New York (the "Grantee"), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

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

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

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

WHEREAS, Grantor, is the owner of real property located at the address of 9 Ann Street in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 484 Lot 15, being the same as that property conveyed to Grantor by deed dated August 23, 2016 and recorded in the Westchester County Clerk's Office as Control #562313548.

WHEREAS, Grantor, is the owner of real property located at the address of 131 New Main Street in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 484 Lot 51, being the same as that property conveyed to Grantor by deed dated August 23, 2016 and recorded in the Westchester County Clerk's Office as Control #562313548.

WHEREAS, Grantor, is the owner of real property located at the address of 129 New Main

Street in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 484 Lot 53, being the same as that property conveyed to Grantor by deed dated August 23, 2016 and recorded in the Westchester County Clerk's Office as Control #562313481.

WHEREAS, the property subject to this Environmental Easement (the "Controlled Property") comprises approximately 0.334 +/- acres, and is hereinafter more fully described in the Land Title Survey dated July 26, 2017 prepared by Steven J. Willard, P.L.S. of Contractors' Line & Grade South, LLC, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

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

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: A3-0572-1006 as amended August 21, 2017, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

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

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

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

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

(i) are in-place;

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

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

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

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

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

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

(7) the information presented is accurate and complete.

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

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

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

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

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

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

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

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

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

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

Parties shall address correspondence to:

Site Number: C360083
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

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

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

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

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

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

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

Remainder of Page Intentionally Left Blank

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

Fleet New Main Street LLC:

By: _____

Print Name: Marc E. Bersin

Title: Managing Director Date: 9.15.2017

Grantor's Acknowledgment

STATE OF NEW ~~YORK~~ Jersey)
) ss:
COUNTY OF Essex)

On the 15th day of September, in the year 20 17 before me, the undersigned, personally appeared Marc E. Bersin, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public - State of New ~~York~~ Jersey

MARIA BINETTI
A Notary Public of New Jersey
My Commission Expires June 1, 2022

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

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

Grantee's Acknowledgment

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

On the 13th day of November, in the year 2017, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2018

SCHEDULE "A" PROPERTY DESCRIPTION

FLEET NEW MAIN STREET LLC ENVIRONMENTAL EASEMENT LEGAL DESCRIPTION

ALL THAT CERTAIN plot, piece or parcel of land, situate, lying and being in the City of Yonkers, County of Westchester and State of New York, for the purposes of a BCP Site, being more particularly bounded and described as follows:

COMMENCING ALONG A TIE from the intersection of the northeasterly line of New Main Street as established by Control No. 443490783, Liber 12010 Page 25, Liber 12071 Page 232, Liber 10495 Page 41, Liber 9019 Page 263, and Liber 12433 Page 226 and the northwesterly line of Nepperhan Avenue as established by appropriation map 4 parcel 4, prepared by Chas. H. Sells, Inc. on November 10, 1966 and filed in the Westchester County Clerk's Office on June 17, 1968 as Map No. 16096 and continuing along the aforementioned northeasterly line of New Main Street, North 37°02'54" West, a distance of 288.55 feet to the centerline of Ann Street (formerly known as Post Lane), and continuing still along the aforementioned northeasterly line of New Main Street as established by "Survey of Property situated in the City of Yonkers" prepared by Chas. J. Dearing, dated November 12, 1948 on file at the Office of the Title Guarantee and Trust Company as Title No. 6-024537 and "Map of Survey of Property Nos. 117 to 125 and No. 131 New Main Street - Yonkers, NY" prepared by John E. Warneck, dated December 4, 1948 on file at the Office of the Title Guarantee and Trust Company as Title No. 6-024537, North 36°25'59" West, a distance of 24.43 feet to the northwesterly line Ann Street as established by aforementioned Warneck Map (Title No. 6-024537) to the **POINT OR PLACE OF BEGINNING:**

FROM SAID POINT OF BEGINNING;

CONTINUING along said northeasterly line of New Main Street, North 36°25'59" West, a distance of 76.27 feet to the southeasterly line of Section 1 Block 484 Lot 55 of the Official Tax Map of the City of Yonkers, as established by Liber 7790 page 267, aforementioned Dearing Map (Title No. 6-001012, etc.), aforementioned Dearing Map (Title No. 6-024537) and Control No. 450880284;

CONTINUING along the southeasterly and northeasterly lines of Section 1 Block 484 Lots 55 and 8 as established by aforementioned Dearing Map (Title No. 6-024537), aforementioned Warneck Map (Title No. 6-024537), "Map of Survey of Property No. 8 Palisade Avenue and SE Cor. of New Main Street and thru to James Street - Yonkers, NY" prepared by Chas. J. Dearing, dated October 27, 1937, last updated August 29, 1938 on file at the Office of the Title Guarantee and Trust Company as Title Nos. 6-001012, 6-002540, 6-002693 and 6-002941 and aforementioned Control No. 450880284, the following three (3) courses and distances;

1) North 53°11'51" East, a distance of 90.23 feet,

2) North 37°13'09" West, a distance of 40.30 feet and

3) North 53°16'38" East, a distance of 66.01 feet;

THENCE South 36°21'38" East, a distance of 64.02 feet;

THENCE South 18°29'09" East, a distance of 62.31 feet to the aforementioned northwesterly line of Ann Street and continuing along same, South 56°00'32" West, a distance of 136.53 feet to the **POINT OR PLACE OF BEGINNING.**

CONTAINING an area of 14,530 square feet or 0.334 acres of land more or less.

The Office of the Westchester County Clerk: This page is part of the instrument; the County Clerk will rely on the information provided on this page for purposes of indexing this instrument. To the best of submitter's knowledge, the information contained on this Recording and Endorsement Cover Page is consistent with the information contained in the attached document.

571643707EAS0024

Westchester County Recording & Endorsement Page

Submitter Information

Name:	ATLANTIC TITLE	Phone:	516-358-0505 X 194
Address 1:	31 STEWART STREET	Fax:	516-358-0394
Address 2:		Email:	atlantictitleagency@gmail.com
City/State/Zip:	FLORAL PARK NY 11001	Reference for Submitter:	ATLC-17-914 A

Document Details

Control Number: **571643707** Document Type: **Easement (EAS)**

Package ID: 2017061300317001001 Document Page Count: **12** Total Page Count: **14**

Parties

☐ Additional Parties on Continuation page

1st PARTY		2nd PARTY	
1:	YONKERS COMMUNITY DEVELOPMENT AGENCY - Other	1:	NEW YORK STATE OF DEPT OF ENVIRONMENTAL CONSE - Other
2:		2:	

Property

☑ Additional Properties on Continuation page

Street Address: 16 PALISADE Tax Designation: 1-485-2

City/Town: YONKERS Village:

Cross- References

☐ Additional Cross-Refs on Continuation page

1: 2: 3: 4:

Supporting Documents

1: TP-584

Recording Fees

Statutory Recording Fee:	$40.00
Page Fee:	$65.00
Cross-Reference Fee:	$0.00
Mortgage Affidavit Filing Fee:	$0.00
RP-5217 Filing Fee:	$0.00
TP-584 Filing Fee:	$5.00
Total Recording Fees Paid:	**$110.00**

Transfer Taxes

Consideration:	$0.00
Transfer Tax:	$0.00
Mansion Tax:	$0.00
Transfer Tax Number:	5857

Mortgage Taxes

Document Date:

Mortgage Amount:

Basic:	$0.00
Westchester:	$0.00
Additional:	$0.00
MTA:	$0.00
Special:	$0.00
Yonkers:	$0.00
Total Mortgage Tax:	**$0.00**

Dwelling Type: Exempt: ☐

Serial #:

RECORDED IN THE OFFICE OF THE WESTCHESTER COUNTY CLERK

Recorded: 11/27/2017 at 03:49 PM

Control Number: **571643707**

Witness my hand and official seal

Timothy C.Idoni
Westchester County Clerk

Record and Return To

☐ Pick-up at County Clerk's office

Knauf Shaw LLP
1400 Crossroads Building
2 State Street
Rochester, NY 14614
Attn: Meaghan A. Colligan

The Office of the Westchester County Clerk: This page is part of the instrument; the County Clerk will rely on the information provided on this page for purposes of indexing this instrument. To the best of submitter's knowledge, the information contained on this Recording and Endorsement Cover Page is consistent with the information contained in the attached document.

571643707EAS0024

Westchester County Recording & Endorsement Page

Document Details

Control Number: **571643707**

Document Type: **Easement (EAS)**

Package ID: 2017061300317001001

Document Page Count: 12

Total Page Count: 14

Properties Addendum

18 PALISADE 10701	YONKERS	1 485 3
20 PALISADE 10701	YONKERS	1 485 4
24 PALISADE 10701	YONKERS	1 485 6
26 PALISADE 10701	YONKERS	1 485 7
28 PALISADE 10701	YONKERS	1 485 8
32 PALISADE 10701	YONKERS	1 485 10
36 PALISADE 10701	YONKERS	1 485 12
40 PALISADE 10701	YONKERS	1 485 14
46 PALISADE 10701	YONKERS	1 485 16
48 PALISADE 10701	YONKERS	1 485 18
23 JOHN 10701	YONKERS	1 486 15
25 JOHN 10701	YONKERS	1 486 16

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

THIS INDENTURE made this 13th day of November, 2017, between Owner Yonkers Community Development Agency, having an office at 87 Nepperhan Avenue, Yonkers, New York 10701, County of Westchester, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee"), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

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

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

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

WHEREAS, Grantor, is the owner of real property located at the address of 16 Palisade Avenue in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 485 Lot 2, being the same as that property conveyed to Grantor by deed dated February 5, 1979 and recorded in the Westchester County Clerk's Office in Liber and Page 7543/766.

WHEREAS, Grantor, is the owner of real property located at the address of 18 Palisade Avenue in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 485 Lot 3, being the same as that property conveyed to Grantor by deed dated August 24, 1978 and recorded in the Westchester County Clerk's Office in Liber and Page 7496/112.

WHEREAS, Grantor, is the owner of real property located at the address of 20 Palisade

Avenue in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 485 Lot 4, being the same as that property conveyed to Grantor by deed dated August 23, 1978 and recorded in the Westchester County Clerk's Office in Liber and Page 7524/84.

WHEREAS, Grantor, is the owner of real property located at the address of 24 Palisade Avenue in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 485 Lot 6, being the same as that property conveyed to Grantor by deed dated September 15, 1978 and recorded in the Westchester County Clerk's Office in Liber and Page 7501/353.

WHEREAS, Grantor, is the owner of real property located at the address of 26 Palisade Avenue in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 485 Lot 7, being the same as that property conveyed to Grantor by deed dated September 19, 1978 and recorded in the Westchester County Clerk's Office in Liber and Page 7502/157.

WHEREAS, Grantor, is the owner of real property located at the address of 28 Palisade Avenue in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 485 Lot 8, being the same as that property conveyed to Grantor by deed dated March 30, 1979 and recorded in the Westchester County Clerk's Office in Liber and Page 7546/465.

WHEREAS, Grantor, is the owner of real property located at the address of 32 Palisade Avenue in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 485 Lot 10, being the same as that property conveyed to Grantor by deed dated February 14, 1979 and recorded in the Westchester County Clerk's Office in Liber and Page 7538/715.

WHEREAS, Grantor, is the owner of real property located at the address of 36 Palisade Avenue in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 485 Lot 12, being the same as that property conveyed to Grantor by deed dated September 12, 1979 and recorded in the Westchester County Clerk's Office in Liber and Page 7584/634.

WHEREAS, Grantor, is the owner of real property located at the address of 40 Palisade Avenue in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 485 Lot 14, being the same as that property conveyed to Grantor by deed dated January 4, 1979 and recorded in the Westchester County Clerk's Office in Liber and Page 7530/81.

WHEREAS, Grantor, is the owner of real property located at the address of 46 Palisade Avenue in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 485 Lot 16, being the same as that property conveyed to Grantor by deed dated February 14, 1979 and recorded in the Westchester County Clerk's Office in Liber and Page 7538/721.

WHEREAS, Grantor, is the owner of real property located at the address of 48 Palisade Avenue in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 485 Lot 18, being the same as that property conveyed to Grantor by deed dated February 14, 1979 and recorded in the Westchester County Clerk's Office in Liber and Page 7538/723.

WHEREAS, Grantor, is the owner of real property located at the address of 23 John Street in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 486 Lot 15, being the same as that property conveyed to Grantor by deed dated February 14, 1979 and recorded in the Westchester County Clerk's Office in Liber and Page 7538/713.

WHEREAS, Grantor, is the owner of real property located at the address of 25 John Street in the City of Yonkers, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel numbers: Section 1 Block 486 Lot 16, being the same as that property conveyed to Grantor by deed dated February 14, 1979 and recorded in the Westchester County Clerk's Office in Liber and Page 7538/719.

WHEREAS, the property subject to this Environmental Easement (the "Controlled Property") comprises approximately 1.184 +/- acres, and is hereinafter more fully described in the Land Title Survey dated August 2, 2017 prepared by Steven J. Willard, P.L.S. of Contractors' Line & Grade South, LLC, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

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

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: A3-0572-1006 as amended August 21, 2017, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

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

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are

binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

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

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

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

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

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

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

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

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

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

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

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

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

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified

reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

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

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

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

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

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

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

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

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

(i) are in-place;

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

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

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

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

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

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

(7) the information presented is accurate and complete.

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

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

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

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

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

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

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

breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

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

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

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

Parties shall address correspondence to:

Site Number: C360083
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

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

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

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

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

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

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

Remainder of Page Intentionally Left Blank

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

Yonkers Community Development Agency:

By: Wilson Kimball

Print Name: Wilson Kimball

Title: Secretary Date: 11/2/17

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF)

On the 2ND day of November, in the year 2017, before me, the undersigned, personally appeared WILSON KIMBALL, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Frank Badalato
Notary Public - State of New York

Frank Badalato
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 02BA6326115
Qualified in Westchester County
Commission Expires June 15, 2019

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

By: _____

Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

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

On the 13th day of November, in the year 2017, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2018

SCHEDULE "A" PROPERTY DESCRIPTION

YONKERS COMMUNITY DEVELOPMENT AGENCY
ENVIRONMENTAL EASEMENT
LEGAL DESCRIPTION

ALL THAT CERTAIN plot, piece or parcel of land, situate, lying and being in the City of Yonkers, County of Westchester and State of New York, for the purposes of a BCP Site, being more particularly bounded and described as follows:

COMMENCING ALONG A TIE from the intersection of the southerly line of Palisade Avenue (formerly known as Factory Street) as established by "Map of Survey of Property No. 8 Palisade Avenue and SE Cor. of New Main Street and thru to James Street - Yonkers, NY" prepared by Chas. J. Dearing, dated October 27, 1937, last updated August 29, 1938 on file at the Office of the Title Guarantee and Trust Company as Title Nos. 6-001012, 6-002540, 6-002693 and 6-002941, with the northeasterly line of New Main Street (formerly known as Mechanic Street) as established by "Survey of Property situated in the City of Yonkers" prepared by Chas. J. Dearing, dated November 12, 1948 on file at the Office of the Title Guarantee and Trust Company as Title No. 6-024537 and "Map of Survey of Property Nos. 117 to 125 and No. 131 New Main Street - Yonkers, NY" prepared by John E. Warneck, dated December 4, 1948 on file at the Office of the Title Guarantee and Trust Company as Title No. 6-024537, as measured along the aforementioned southerly line of Palisade Avenue from said intersection to the southwesterly line of James Street as established by aforementioned Dearing Map (Title No. 6-001012, etc.) North 57°57'50" East, a distance of 230.04 feet, crossing James Street North 57°16'09" East, a distance of 58.18 feet to the northeasterly line of James Street to the **POINT OR PLACE OF BEGINNING:**

FROM SAID POINT OF BEGINNING;

CONTINUING along the aforementioned southerly line of Palisade Avenue as established by Liber 7543 Page 766, Liber 7496 Page 112, Liber 7524 Page 84, Liber 7501 Page 353, Liber 7502 Page 157, Liber 7546 Page 465, Liber 7538 Page 715, Liber 7584 Page 634, Liber 7530 Page 81, Liber 7538 Page 721, and "Map of the S. Shethar Property" prepared by George Rayner dated April 12, 1899 and filed December 22, 1904 as Westchester County Clerk Map No. 1446, North 70°56'38" East, a distance of 445.81 feet to the intersection of the aforementioned southerly line of Palisade Avenue and the extension of the southerly line of Elm Street, as established by the aforementioned Rayner Map (Map No. 1446);

THENCE along the aforementioned extension of the southerly line of Elm Street, South 77°18'48" East, a distance of 5.45 feet to the westerly line of School Street and continuing along same, the following two (2) courses and distances;

1) South 19°03'22" East, a distance of 71.71 feet and

2) South 01°02'32" East, a distance of 143.45 feet to the northerly line of John Street;

THENCE along the aforementioned northerly line of John Street, South 70°56'38"West, a distance of 59.15 feet;

THENCE North 19°03'22"West, a distance of 111.00 feet;

THENCE South 70°56'38" West, a distance of 297.08 feet;

THENCE North 82°22'18" West, a distance of 28.73 feet;

THENCE North 19°03'19" West, a distance of 46.48 feet;

THENCE South 54°14'52" West, a distance of 11.99 feet to the aforementioned northeasterly line of James Street;

CONTINUING along same, North 35°45'08" West, a distance of 46.00 feet to the **POINT OR PLACE OF BEGINNING.**

CONTAINING an area of 51,587 square feet or 1.184 acres of land more or less.

The Office of the Westchester County Clerk: This page is part of the instrument; the County Clerk will rely on the information provided on this page for purposes of indexing this instrument. To the best of submitter's knowledge, the information contained on this Recording and Endorsement Cover Page is consistent with the information contained in the attached document.

571593770EAS0028

Westchester County Recording & Endorsement Page

Submitter Information

Name:	ATLANTIC TITLE	Phone:	516-358-0505 X 194
Address 1:	31 STEWART STREET	Fax:	516-358-0394
Address 2:		Email:	atlantictitleagency@gmail.com
City/State/Zip:	FLORAL PARK NY 11001	Reference for Submitter:	ATLC-17-914 C

Document Details

Control Number: **571593770** Document Type: **Easement (EAS)**

Package ID: 2017060800494001002 Document Page Count: **16** Total Page Count: **18**

Parties

☐ Additional Parties on Continuation page

1st PARTY		2nd PARTY	
1: YONKERS CITY OF	- Other	1: NEW YORK STATE OF	- Other
2:		2:	

Property

☑ Additional Properties on Continuation page

Street Address: 149 SCHOOL STREET Tax Designation: 1-483-50

City/Town: YONKERS Village:

Cross- References

☐ Additional Cross-Refs on Continuation page

1: 2: 3: 4:

Supporting Documents

1: TP-584

Recording Fees

Statutory Recording Fee:	$40.00
Page Fee:	$85.00
Cross-Reference Fee:	$0.00
Mortgage Affidavit Filing Fee:	$0.00
RP-5217 Filing Fee:	$0.00
TP-584 Filing Fee:	$5.00
Total Recording Fees Paid:	**$130.00**

Transfer Taxes

Consideration:	$0.00
Transfer Tax:	$0.00
Mansion Tax:	$0.00
Transfer Tax Number:	5971

Mortgage Taxes

Document Date:

Mortgage Amount:

Basic:	$0.00
Westchester:	$0.00
Additional:	$0.00
MTA:	$0.00
Special:	$0.00
Yonkers:	$0.00
Total Mortgage Tax:	**$0.00**

Dwelling Type: Exempt: ☐

Serial #:

RECORDED IN THE OFFICE OF THE WESTCHESTER COUNTY CLERK

Recorded: 11/29/2017 at 12:03 PM

Control Number: **571593770**

Witness my hand and official seal

Timothy C.Idoni
Westchester County Clerk

Record and Return To

☐ Pick-up at County Clerk's office

Knauf Shaw LLP
1400 Crossroads Building
2 State Street
Rochester, NY 14614
Attn: Meaghan A. Colligan

The Office of the Westchester County Clerk: This page is part of the instrument; the County Clerk will rely on the information provided on this page for purposes of indexing this instrument. To the best of submitter's knowledge, the information contained on this Recording and Endorsement Cover Page is consistent with the information contained in the attached document.

571593770EAS0028

Westchester County Recording & Endorsement Page

Document Details

Control Number: **571593770**

Document Type: **Easement (EAS)**

Package ID: 2017060800494001002

Document Page Count: 16

Total Page Count: 18

Properties Addendum

GETTY SQUARE 10701	YONKERS	1 483 60
155 NEW MAIN 10701	YONKERS	1 483 5
151 NEW MAIN 10701	YONKERS	1 483 7
149 NEW MAIN 10701	YONKERS	1 483 9
147 NEW MAIN 10701	YONKERS	1 483 10
143 NEW MAIN 10701	YONKERS	1 483 13
137 NEW MAIN 10701	YONKERS	1 483 16
143 NEW MAIN 10701	YONKERS	1 483 12
135 NEW MAIN 10701	YONKERS	1 485 1
0 ENGINE PLACE 10701	YONKERS	Not Assessed
0 JAMES STREET 10701	YONKERS	Not Assessed
0 JOHN STREET 10701	YONKERS	Not Assessed
0 HENRY HERZ STREET 10701	YONKERS	Not Assessed
0 ANN STREET 10701	YONKERS	Not Assessed

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

THIS INDENTURE made this 17th day of November, 2017, between Owner(s) City of Yonkers, having an office at Yonkers City Hall, 40 S. Broadway, Yonkers, New York 10701, County of Westchester, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

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

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

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

WHEREAS, Grantor, is the owner of real property located in the City of Yonkers, County of Westchester and State of New York, which consists of 10 tax lots and portions of 5 city streets, a list of the parcels by mailing address and section, block, lot number is attached hereto as Schedule "A"; being a portion of the property conveyed to Grantor by various deeds and appropriation maps recorded in the Westchester County Clerk's Office, a list of the source deeds and maps by date and recording information is attached hereto as Schedule "B". The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 5.416 +/- acres, and is hereinafter more fully described in the Land Title Survey dated August 2, 2017 prepared by Steven J. Willard, P.L.S. of Contractors' Line & Grade South, LLC, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule "C"; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the

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

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: A3-0572-1006 as amended August 21, 2017, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

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

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

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

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

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

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

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

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

(6) Data and information pertinent to Site Management of the Controlled

Property must be reported at the frequency and in a manner defined in the SMP;

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

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

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

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

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

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

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

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

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

This property is subject to an Environmental Easement held

by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

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

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

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

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

(i) are in-place;

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

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

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

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

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

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

(7) the information presented is accurate and complete.

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

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

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

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

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

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

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

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

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

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

Parties shall address correspondence to:

Site Numbers: C360083
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

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

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail

and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

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

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

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

Remainder of Page Intentionally Left Blank

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

City of Yonkers:

By: _____

Print Name: JAMES CAVANAUGH

Title: DEPUTY MAYOR Date: NOV. 2, 2017

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF)

On the 2nd day of Novemb, in the year 2017, before me, the undersigned, personally appeared James Cavanagh, Deputy Mayor, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

MICHAEL V. CURTI
Notary Public, State of New York
No. 02CU6221862
Qualified in Westchester County
My Commission Expires May 10, 2019

APPROVED AS TO FORM:

_____
DEPUTY CORPORATION COUNSEL

APPROVED ON 10/24/2017
AT A DULY HELD MEETING
OF THE YONKERS CITY
COUNCIL.

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

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

Grantee's Acknowledgment

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

On the 13th day of November, in the year 2017, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2018

SCHEDULE "A" PARCEL ADDRESSES AND TAX LOT INFORMATION

City of Yonkers

Property Address	Tax Map No.
14 Palisade Avenue	1-485-1
149 School Street	1-483-50
Getty Square Parking Area, 23 John Street	1-483-60
Portion of City Street known as Engine Place	Not Applicable
Portion of City Street known as James Street	Not Applicable
Portion of City Street known as John Street	Not Applicable
Portion of City Street known as Henry Herz Street	Not Applicable
Portion of City Street known as Ann Street	Not Applicable
155 New Main Street	1-483-5
151 New Main Street	1-483-7
149 New Main Street	1-483-9
147 New Main Street	1-483-10
143 New Main Street	1-483-12
137 New Main Street	1-483-13
135 New Main Street	1-483-16

SCHEDULE "B" SOURCE DEEDS AND MAPS

1) June 17, 1948 Acquisition Map ("1948 Acquisition Map").

2) Westchester County Supreme Court Vesting Order, Index No. 4091-1949, Honorable Samuel W. Eager, dated October 10, 1955.

3) City of Yonkers Special Ordinance 57-1947, dated March 25, 1947.

4) City of Yonkers Special Ordinance 121-1947, Bond and Capital Note Ordinance Authorizing Construction of City Parking Area, dated May 13, 1947.

5) City of Yonkers Special Ordinance 202-1946, Bond and Capital Note Ordinance Authorizing Construction of City Parking Area, dated September 24, 1946.

6) Deed dated May 5, 1967 and recorded in the Westchester County Clerk's Office at Liber 6707 of Deeds at Page 109.

7) Deed dated May 9, 1957 and recorded in the Westchester County Clerk's Office at Liber 5698 of Deeds at Page 389.

8) Deed dated October 15, 1958 and recorded in the Westchester County Clerk's Office at Liber 5855 of Deeds at Page 141.

9) Deed dated February 21, 1958 and recorded in the Westchester County Clerk's Office at Liber 5783 of Deeds at Page 336.

10) Deed dated November 13, 1947 and recorded in the Westchester County Clerk's Office at Liber 4584 of Deeds at Page 181.

11) Deed dated February 10, 1958 and recorded in the Westchester County Clerk's Office at Liber 5781 of Deeds at Page 148.

12) Deed dated August 11, 1958 and recorded in the Westchester County Clerk's Office at Liber 5830 of Deeds at Page 154.

13) Deed dated January 21, 1957 and recorded in the Westchester County Clerk's Office at Liber 5668 of Deeds at Page 23.

14) Deed dated November 5, 2015 and recorded in the Westchester County Clerk's Office as Control # 551973276.

15) Deed dated November 5, 2015 and recorded in the Westchester County Clerk's Office as Control # 551973312.

16) Deed dated November 5, 2015 and recorded in the Westchester County Clerk's Office as Control # 551973345.

17) Deed dated November 5, 2015 and recorded in the Westchester County Clerk's

Office as Control # 551973366.

18) Deed dated November 5, 2015 and recorded in the Westchester County Clerk's Office as Control # 551973390.

19) Deed dated November 5, 2015 and recorded in the Westchester County Clerk's Office as Control # 551973406.

20) May 7, 1959 Lot Consolidation Memo from Luke H. Loughman of the City of Yonkers Department of Law To Mr. Charles Whalen.

21) City of Yonkers June 29, 1920 Assessment Map.

22) Deed dated March 17, 1949 and recorded in the Westchester County Clerk's Office at Liber 4736 of Deeds at Page 413.

23) Deed dated February 4, 1949 and recorded in the Westchester County Clerk's Office at Liber 4718 of Deeds at Page 410.

24) Deed dated June 22, 1949 and recorded in the Westchester County Clerk's Office at Liber 4760 of Deeds at Page 426.

25) Westchester County Supreme Court, Index No. 4091-1949, Honorable Samuel W. Eager dated October 20, 1954.

26) Deed dated January 28, 1942 and recorded in the Westchester County Clerk's Office at Liber 4142 of Deeds at Page 216.

27) Deed dated October 17, 1949 and recorded in the Westchester County Clerk's Office at Liber 4809 of Deeds at Page 421.

28) Deed dated December 29, 1949 and recorded in the Westchester County Clerk's Office at Liber 4825 of Deeds at Page 290.

29) Deed dated June 6, 1950 and recorded in the Westchester County Clerk's Office at Liber 4879 of Deeds at Page 406.

30) Deed dated May 16, 1949 and recorded in the Westchester County Clerk's Office at Liber 4753 of Deeds at Page 82.

31) Deed dated May 16, 1949 and recorded in the Westchester County Clerk's Office at Liber 4753 of Deeds at Page 181.

32) Deed dated May 23, 1950 and recorded in the Westchester County Clerk's Office at Liber 4863 of Deeds at Page 26.

33) Deed dated May 16, 1949 and recorded in the Westchester County Clerk's Office at Liber 4753 of Deeds at Page 184.

34) Deed dated October 22, 1954 and recorded in the Westchester County Clerk's Office at Liber 5400 of Deeds at Page 48.

35) Deed dated May 17, 1949 and recorded in the Westchester County Clerk's Office at Liber 4753 of Deeds at Page 233.

36) Deed dated September 15, 1949 and recorded in the Westchester County Clerk's Office at Liber 4787 of Deeds at Page 77.

37) Deed dated March 4, 1953 and recorded in the Westchester County Clerk's Office at Liber 5205 of Deeds at Page 126.

38) Deed dated April 29, 1949 and recorded in the Westchester County Clerk's Office at Liber 4740 of Deeds at Page 431.

39) Deed dated June 22, 1949 and recorded in the Westchester County Clerk's Office at Liber 4760 of Deeds at Page 426.

40) Deed dated November 13, 1947 and recorded in the Westchester County Clerk's Office at Liber 4584 of Deeds at Page 181.

41) Deed dated January 6, 1947 and recorded in the Westchester County Clerk's Office at Liber 4480 of Deeds at Page 246.

42) Deed dated January 20, 1943 and recorded in the Westchester County Clerk's Office at Liber 4142 of Deeds at Page 228.

43) Deed dated April 24, 1944 and recorded in the Westchester County Clerk's Office at Liber 4375 of Deeds at Page 204.

SCHEDULE "C" PROPERTY DESCRIPTION

CITY OF YONKERS
ENVIRONMENTAL EASEMENT
LEGAL DESCRIPTION

ALL THAT CERTAIN plot, piece or parcel of land, situate, lying and being in the City of Yonkers, County of Westchester and State of New York, for the purposes of a BCP Site, being more particularly bounded and described as follows:

COMMENCING ALONG A TIE from the intersection of the southerly line of Palisade Avenue (formerly known as Factory Street) as established by "Map of Survey of Property No. 8 Palisade Avenue and SE Cor. of New Main Street and thru to James Street - Yonkers, NY" prepared by Chas. J. Dearing, dated October 27, 1937, last updated August 29, 1938 on file at the Office of the Title Guarantee and Trust Company as Title Nos. 6-001012, 6-002540, 6-002693 and 6-002941, with the northeasterly line of New Main Street (formerly known as Mechanic Street) as established by "Survey of Property situated in the City of Yonkers" prepared by Chas. J. Dearing, dated November 12, 1948 on file at the Office of the Title Guarantee and Trust Company as Title No. 6-024537 and "Map of Survey of Property Nos. 117 to 125 and No. 131 New Main Street - Yonkers, NY" prepared by John E. Warneck, dated December 4, 1948 on file at the Office of the Title Guarantee and Trust Company as Title No. 6-024537, as measured along the aforementioned southerly line of Palisade Avenue from said intersection to the southwesterly line of James Street as established by aforementioned Dearing Map (Title No. 6-001012, etc.) North 57°57'50" East, a distance of 230.04 feet to the **POINT OR PLACE OF BEGINNING:**

FROM SAID POINT OF BEGINNING;

CONTINUING along the aforementioned southerly line of Palisade Avenue, crossing James Street, North 57°16'09" East, a distance of 58.18 feet to the northeasterly line of James Street;

CONTINUING along aforementioned northeasterly line of James Street, South 35°45'08" East, a distance of 46.00 feet;

THENCE North 54°14'52" East, a distance of 11.99 feet;

THENCE South 19°03'19" East, a distance of 46.48 feet;

THENCE South 82°22'18" East, a distance of 28.73 feet;

THENCE North 70°56'38" East, a distance of 297.08 feet;

THENCE South 19°03'22" East, a distance of 111.00 feet to the northerly line of John Street;

THENCE along the aforementioned northerly side of John Street, North 70°56'38" East, a distance of 59.15 feet to the westerly line of School Street;

THENCE along the aforementioned westerly line of School Street South 01°02'32" East, a

distance of 450.89 feet to the to the northwesterly line of Nepperhan Avenue (formerly known as Guion Street) as established by appropriation map 7 parcel 7, prepared by Chas. H. Sells, Inc. on June 28, 1967 and filed in the Westchester County Clerk's Office on September 17, 1969 as Map No. 16855;

CONTINUING along the aforementioned northwesterly line of Nepperhan Avenue the following three (3) courses and distances;

1) South 51°43'19" West, a distance of 153.13 feet as established by aforementioned Sells Map (Map No. 16855) to the northeasterly line of Henry Herz Street,

2) Crossing the aforementioned Henry Herz Street, South 53°37'40" West, a distance of 50.06 feet and

3) Continuing along aforementioned northwesterly line of Nepperhan Avenue as established by appropriation map 4 parcel 4, prepared by Chas. H. Sells, Inc. on November 10, 1966 and filed in the Westchester County Clerk's Office on June 17, 1968 as Map No. 16096, South 52°41'21" West, a distance of 144.64 feet to the northeasterly line of New Main Street as established by Control No. 443490783, Liber 12010 Page 25, Liber 12071 Page 232, Liber 10495 Page 41, Liber 9019 Page 263, and Liber 12433 Page 226;

CONTINUING along the aforementioned northeasterly line of New Main Street, the following two (2) courses and distances;

4) North 37°02'54" West, a distance of 288.55 feet to the intersection of the aforementioned northeasterly line of New Main Street and the centerline of Ann Street (formerly known as Post Lane) and

5) Continuing still along the aforementioned northeasterly line of New Main Street as established by aforementioned Dearing Map (Title No. 6-024537) and aforementioned Warneck Map (Title No. 6-024537), North 36°25'59" West, a distance of 24.43 feet to the northwesterly line Ann Street as established by aforementioned Warneck Map (Title No. 6-024537) and continuing along same, North 56°00'32" East, a distance of 136.53 feet;

THENCE North 18°29'09" West, a distance of 62.31 feet;

THENCE North 36°21'38" West, a distance of 144.04 feet;

THENCE North 53°20'50" East, a distance of 73.86 feet, to aforementioned southwesterly line of James Street;

THENCE continuing along the aforementioned southwesterly line of James Street, North 36°31'05" West, a distance of 190.32 feet to the **POINT OR PLACE OF BEGINNING.**

EXCLUDING THEREFROM all that certain plot, piece or parcel of land designated as "Land Under Water," situate, lying and being in the City of Yonkers, County of Westchester and State

of New York, being more particularly bounded and described as follows:

COMMENCING ALONG A TIE from the intersection of the northeasterly line of New Main Street as established by aforementioned documents; Control No. 443490783, Liber 12010 Page 25, Liber 12071 Page 232, Liber 10495 Page 41, Liber 9019 Page 263, and Liber 12433 Page 226, and the northwesterly line of Nepperhan Avenue as established by aforementioned Sells Map (Map No. 16096) and continuing along the aforementioned northeasterly line of New Main Street, North 37°02'54" West, a distance of 268.10 feet to the southeasterly line of Ann Street, and continuing along same, North 58°30'25" East, a distance of 62.35 feet;

THENCE South 31°03'03" East, a distance of 0.67 feet to the **POINT OR PLACE OF BEGINNING;**

FROM SAID POINT OR PLACE OF BEGINNING:

THENCE South 31°03'03" East, a distance of 14.51 feet to a point on a non-tangent curve to the right from where the radial bears South 09°55'54" West,

ALONG said curve to the right having a radius of 81.00 feet, and an arc length of 64.04 feet to a point of compound curvature,

ALONG the compound curve to the right having a radius of 135.00 feet, and an arc length of 47.80 feet to a point of compound curvature,

ALONG the compound curve to the right having a radius of 100.00 feet, and an arc length of 19.65 feet to a point of reverse curvature,

ALONG the curve to the left having a radius of 75.00 feet, and an arc length of 59.58 feet to a point on said curve from where the radial bears North 41°15'32" East,

THENCE along the radial extended, South 41°15'32" West, a distance of 1.50 feet,

THENCE South 48°44'28" East, a distance of 5.17 feet,

THENCE South 34°21'44" West, a distance of 9.23 feet to a point on a non-tangent curve to the left from where the radial bears North 28°44'18" East,

ALONG said curve to the left having a radius of 54.96 feet, and an arc length of 35.81 feet to a point on said curve from where the radial bears North 08°35'48" West,

THENCE along the said radial of the last described curve, North 08°35'48" West, a distance of 1.01 feet to a point on a non-tangent curve to the left from where the radial bears North 18°03'23" West,

ALONG aforementioned curve to the left having a radius of 39.89 feet, and an arc length of 29.34 feet to a point on said curve from where the radial bears North 60°11'34" West,

THENCE North 27°06'55" East, a distance of 4.38 feet,

THENCE North 37°02'00" West, a distance of 3.69 feet to a point on a non-tangent curve to the left from where the radial bears North 54°34'08" West,

ALONG the aforementioned curve to the left having a radius of 41.31 feet, and an arc length of 11.10 feet to a point on a non-tangent curve to the right from where the radial bears South 67°34'03" East,

ALONG aforementioned curve to the right having a radius of 136.36 feet, and an arc length of 36.04 feet to a point on said curve from where the radial bears South 52°25'32" East,

THENCE North 38°03'31" West, a distance of 26.92 feet,

THENCE South 61°56'13" West, a distance of 25.30 feet to a point of curvature,

ALONG the curve to the right having a radius of 15.00 feet, and an arc length of 22.71 feet to a point of tangency,

THENCE North 31°18'50" West, a distance of 117.99 feet,

THENCE North 28°35'36" West, a distance of 31.01 feet,

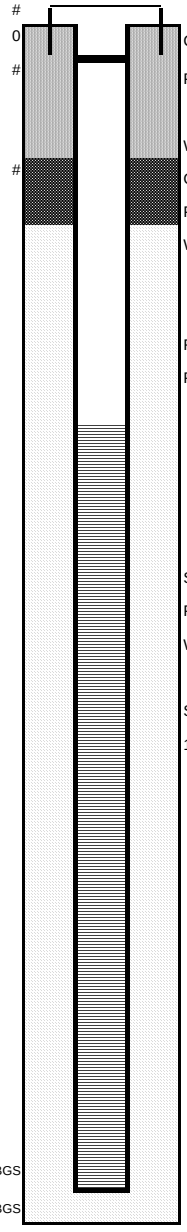
THENCE South 58°56'57" West, a distance of 59.16 feet to the **POINT OR PLACE OF BEGINNING.**

CONTAINING a total area of land, after exclusion, of 235,912 square feet or 5.416 acres of land more or less.

APPENDIX C – BORING LOGS AND WELL CONSTRUCTION LOGS

SESI CONSULTING ENGINEERS	PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-101S**
	PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A
			GROUND ELEVATION:	

BORING BY: **EPI**	DATE STARTED	7/14/17	DEVELOPMENT PERIOD	1hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/14/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/14/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	

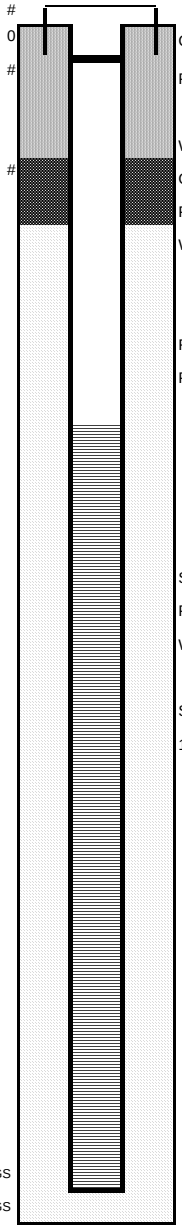


DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							8" asphalt (6" subbase, 2" top)	
							16" fill: Dark to light, Gray coarse to fine GRAVEL,	
							some Sand, trace silt with brick.	
							asphalt cobbles, moist	
5						27		
							3" cobbles, river rock	
							misc. cobbles, river rock	
10						8		
							mixed river rock and Light to dark gray rock	
15								
20						18		
							EOB ± 20' BGS	
25								
30								
35								
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

SESI CONSULTING ENGINEERS	PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-102S**
	PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A
			GROUND ELEVATION:	

BORING BY: **EPI**	DATE STARTED	7/12/17	DEVELOPMENT PERIOD	1hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/12/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/13/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	



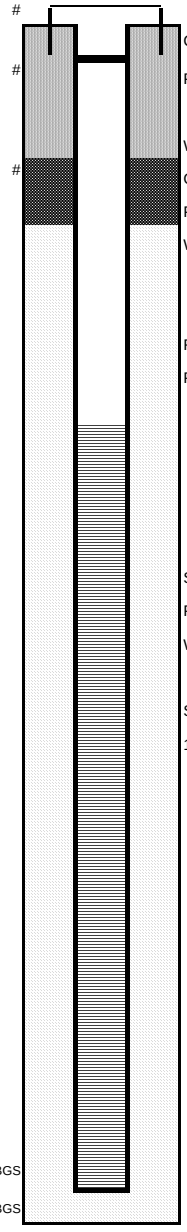
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0								
								4" top asphalt	
								Fill: Dark to light coarse fine GRAVEL, some Sand, trace Silt	
								with brick, asphalt, rubble; moist	
	5						4		
	10						4	same fill; moist	
	15						4		
								Gray light and dark Rock	
								Resistance on rig	
	20						4		
								EOB ± 20' BGS	
	25								
	30								
	35								
	40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-103D**
	PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A
			GROUND ELEVATION:	

BORING BY: **EPI**	DATE STARTED	7/12/17	DEVELOPMENT PERIOD	1 hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/12/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/13/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	10.4' BGS



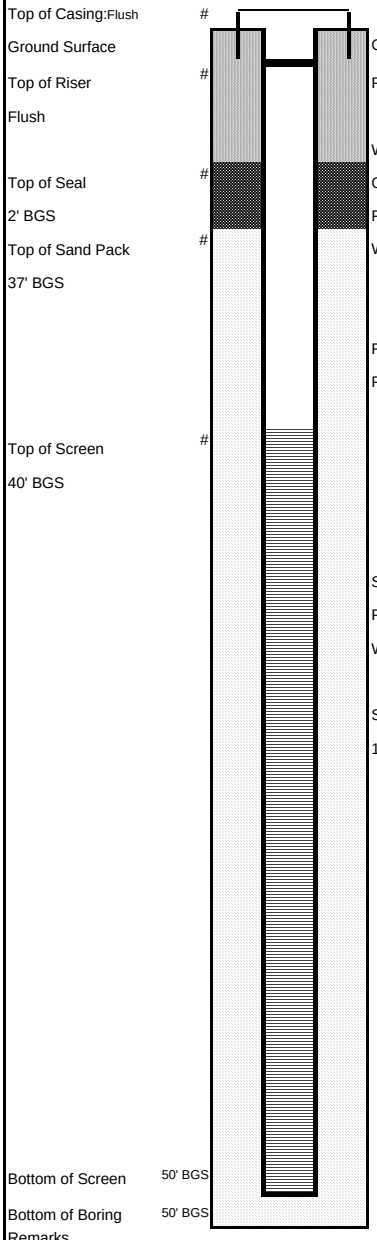
DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							Fill: Gray - brown coarse fine GRAVEL, some Sand, trace Silt with Cobbles, Brick, Rubble, Asphalt; moist	
5						8		
10						11	same	
15								
20						71	Dark/ light Gray ROCK, (glacial trill) flecks of pink/purple	
25							Pipe Sheared off/ replaced @ 24' same rock type	
30						72		
35								
40						132	Same rock type; fracturing; very hard rock, 700 gal of water/5 ft	

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-103D**
	PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A
			GROUND ELEVATION:	

BORING BY: **EPI**	DATE STARTED	7/12/17	DEVELOPMENT PERIOD	1hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/12/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/13/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	10.4' BGS



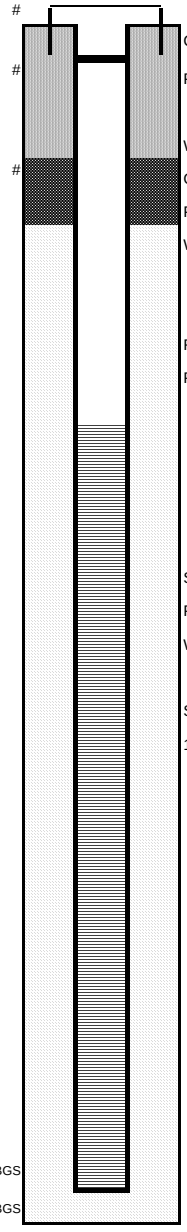
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0							Datk-light Gray ROCK with pink/ purple flecks; moist	
	45								
	50						125		
	55							EOB ±50' BGS	
	60								
	25								
	65								
	70								
	75								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-104D**
	PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A
			GROUND ELEVATION:	

BORING BY: **EPI**	DATE STARTED	7/13/17	DEVELOPMENT PERIOD	1hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/13/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/14/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	

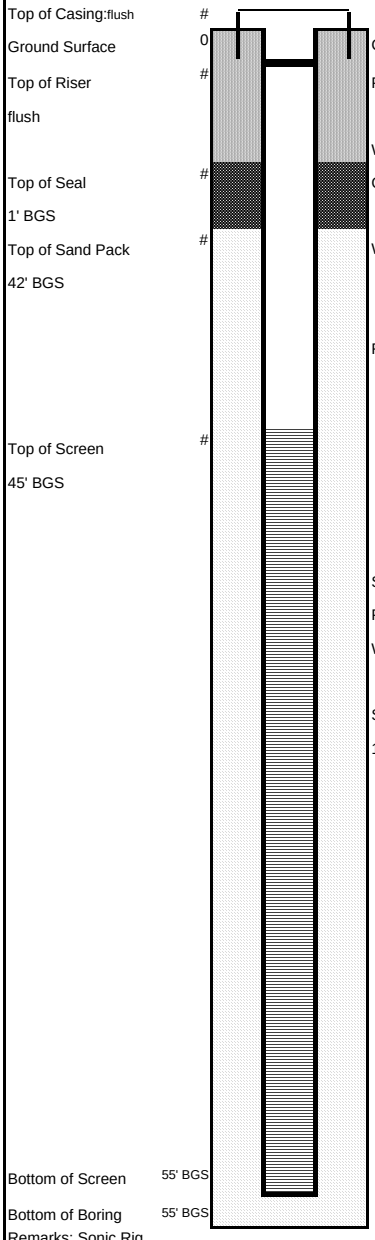


DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							Fill: Dark brown coarse to fine GRAVEL, some Sand, trace Silt occasionally cobbles	
							Fill: urban fill	
5						22	Dark to light gray coarse to fine GRAVEL	
							some Sand, trace Silt with brick, asphalt, cobbles, same moist urban fill	
10						14		
							Gray Brown Silty CLAY; Moist	
15								
20						18		
							Gray Brown Silty CLAY; Moist	
25								
							Dark to light Gray rock very hard	
30						25		
35								
							Same rock	
40						79		

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

SESI CONSULTING ENGINEERS	PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-104D**
	PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A
			GROUND ELEVATION:	

BORING BY: **EPI**	DATE STARTED	7/13/17	DEVELOPMENT PERIOD	1hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/13/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/14/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	



WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0							Light to dark Gray ROCK with red-brown flecks	
	45							...Moist	
	50							...Same ROCK	
	55							EOB ± 55' BGS	
	60								
	25								
	65								
	70								
	75								

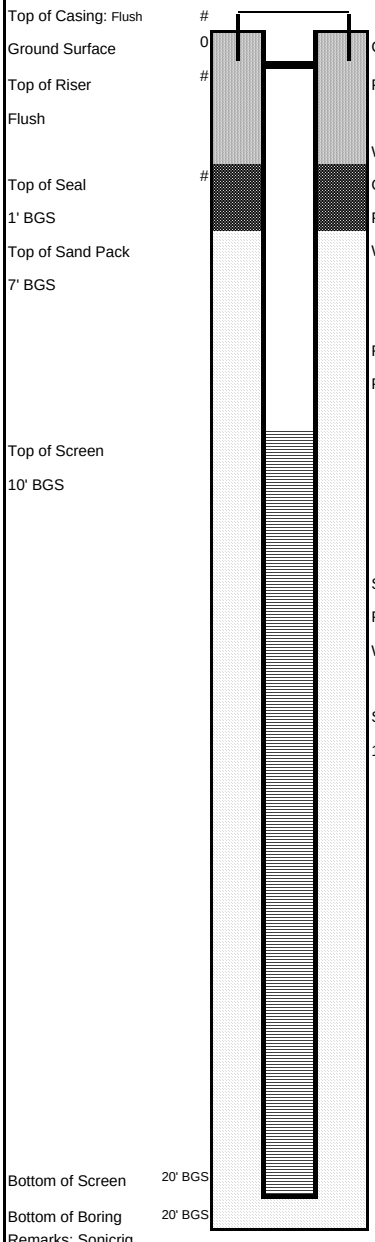
Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-105S**	
PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A	
		GROUND ELEVATION:		

BORING BY: **EPI**	DATE STARTED	7/14/17	DEVELOPMENT PERIOD	1hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/14/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/14/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	



DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							8" asphalt (2" top coarse, 6" subbase)	
							4" Dark to light gray, coarse to fine GRAVEL, some Sand	
							trace Silt with brick, asphalt, cobbles; moist	
5						12		
							Light to dark gray rock	
10						8		
							Misc. cobbles; small, rounded river rock	
15								
20						18		
							EOB ± 20' BGS	
25								
30								
35								
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _ _

PROJECT NO.	N-7190	INSPECTED BY:	GP	BORING NO.	MW-1
LOCATION	See Figure 1	APPROX. ELEV.	51.55	DATE	8/17/2007

DEPTH FT.	SAMPLES	* SAMPLING RESISTANCE	PID READ.	DESCRIPTION
0				6" Asphalt Vacuum excavated to 5' FILL: Brown coarse to fine SAND, little Gravel, little Silt with Brick
5				
	■	20/6" 55/1"		FILL: Brown medium to fine SAND, little Gravel, little Silt with Concrete and Boulders
10	■	75/3"		Gray medium to fine SAND, some Silt, little Gravel with Cobbles and Boulders
15				
20				Boring Complete @ 20 Feet Monitoring Well Installed, see monitoring well detail sheet for general schematic
25				
30				
35				
40				

SAMPLER: 2-INCH O.D. SPLIT BARREL
140 LB. HAMMER 30 INCH DROP * Blows/Ft.

DEPTH TO WATER: 11' DATE: 8/27/2007
REMARKS: AT COMPLETION OF BORING

Fig.

SESI CONSULTING ENGINEERS P.C.

PROJECT NO.	N-7190	INSPECTED BY:	GP	BORING NO.	MW-22
LOCATION	See Figure 1	APPROX. ELEV.	60.00	DATE	8/16/2007

DEPTH FT.	SAMPLES	* SAMPLING RESISTANCE	PID READ.	DESCRIPTION
0				6" Asphalt Vacuum excavated to 5' FILL: Brown Sand, Gravel, Silt with Cobbles, Brick and Concrete
10	■	29	0 Hg 0.012	FILL: Brown medium to fine SAND, little Gravel, little Silt with Brick and Concrete
15				Brown medium to fine SAND, little Gravel, little Silt with frequent Cobbles and Boulders
20				Brown medium to fine SAND, little Gravel, little Silt Boring Complete At 19 Feet Monitoring Well installed, see Monitoring Well Detail sheet for schematic
25				
30				
35				
40				

SAMPLER: 2-INCH O.D. SPLIT BARREL
140 LB. HAMMER 30 INCH DROP * Blows/Ft.

DEPTH TO WATER: 10' DATE: 8/16/2007
REMARKS: AT COMPLETION OF BORING

Fig.

SESI CONSULTING ENGINEERS P.C.

PROJECT NO.	N-7190	INSPECTED BY:	GP	BORING NO.	MW-24
LOCATION	See Figure 1	APPROX. ELEV.	58.22	DATE	8/16/2007

DEPTH FT.	SAMPLES	* SAMPLING RESISTANCE	PID READ.	DESCRIPTION
0				6" Asphalt Vacuum excavated to 5' FILL: Brown fine SAND, little Gravel, little Silt w/ Brick
10	■	29	0 Hg 0.004	Brown coarse to fine SAND, little Gravel, little Silt w/ Cobbles and Boulders
15				Boulders Brown coarse to fine SAND, little Gravel, little Silt w/ frequent Cobbles and Boulders
20				Boring Complete At 20 Feet Monitoring Well installed, see Monitoring Well Detail sheet for schematic
25				
30				
35				
40				

SAMPLER: 2-INCH O.D. SPLIT BARREL
140 LB. HAMMER 30 INCH DROP * Blows/Ft.

DEPTH TO WATER: 13' DATE: 8/16/2007
REMARKS: AT COMPLETION OF BORING

Fig. SESI CONSULTING ENGINEERS P.C.

PROJECT NO.	N-7190	INSPECTED BY:	GP	BORING NO.	MW-25
LOCATION	See Figure 1	APPROX. ELEV.	56.14	DATE	8/14/2007

DEPTH FT.	SAMPLES	* SAMPLING RESISTANCE	PID READ.	DESCRIPTION
0				4" Asphalt Vacuum excavated to 5' FILL: Sand/Gravel/Silt with Brick and Cobbles
5				
10				Brown Sandy SILT with frequent Cobbles and Boulders
15				Boring Complete At 15 Feet Monitoring Well installed, see Monitoring Well Detail sheet for schematic
20				
25				
30				
35				
40				

SAMPLER: 2-INCH O.D. SPLIT BARREL
140 LB. HAMMER 30 INCH DROP * Blows/Ft.

DEPTH TO WATER: 7' DATE: 8/14/2007
REMARKS: AT COMPLETION OF BORING

Fig.

SESI CONSULTING ENGINEERS P.C.

SESI CONSULTING ENGINEERS

PROJECT NAME:	River Park Center	BORING NO.	**MW-34**
LOCATION:	Yonkers, NY	JOB NO.	7190
		GROUND ELEVATION:	61.0+/-

BORING BY:	ADT	DATE STARTED	11/8/2007	GROUNDWATER TABLE DEPTH 10FEET	
INSPECTOR:	JZ	DATE COMPLETED	11/18/2007	0 Hr. N/A	Date N/A
				24 Hr. N/A	Date N/A

DEPTH (ft)	METHOD	SAMPLE No.	DEPTH FROM (ft)	DEPTH TO (ft)	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D./Hg
0											
		S-1	0	2	31	17	8	14	0	5" Asphalt, 4" Stone	
		S-2	2	4	13	10	7	6	18	Fill: Brown medium to fine Sand, trace Gravel, trace Silt	0.0/0.0
											0.0/0.0
5		S-3	4	6	3	3	3	5	12	Brown medium to fine Sand, trace Gravel, trace Silt	
										with Cobbles, Boulders	0.0/0.0
		S-4	6	8	6	8	42	50/2"	12		
10										...Cobbles and Boulders	
											0.0/0.0
15											0.0/0.0
										No Recovery	
		S-5	15	17	50/2"				0	...Cobbles and Boulders	
20											0.0/0.0
		S-6	20	22	50/1"				0	No Recovery	
										...Cobbles and Boulders	
25											
30											
		S-7	30	32	50/0"				0	No Recovery	0.0/0.0
										...Cobbles and Boulders	
35											
40											

Nominal I.D. of Hole	in
Nominal I.D. of Split Barrel Sampler	1⅜ in
Weight/type of Hammer on Drive Pipe	300 lb
Weight/type of Hammer on Split Barrel	140 lb
Drop of Hammer on Drive Pipe	in
Core Size	

Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE #

SESI CONSULTING ENGINEERS

PROJECT NAME:	River Park Center	BORING NO.	**MW-34**
LOCATION:	Yonkers, NY	JOB NO.	7190
		GROUND ELEVATION:	61.0+/-

BORING BY:	ADT	DATE STARTED	11/8/2007	GROUNDWATER TABLE DEPTH	
INSPECTOR:	JZ	DATE COMPLETED	11/18/2007	0 Hr. N/A	Date N/A
				24 Hr. N/A	Date N/A

DEPTH (ft)	METHOD	SAMPLE No.	DEPTH FROM (ft)	DEPTH TO (ft)	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D./Hg
40		S-8	40	42	50/1"	-	-	-	0	No Recovery	0.0/0.0
										...Cobbles and Boulders	
		S-9	43	45	50/0"	-	-	-	0		0.0/0.0
45											
										Refusal on Rock at 45 Feet	
										BORING COMPLETE AT 45 FEET	
										Monitoring Well Installed	
										See Detail Sheet for Monitoring Well Schematic	
50											
55											
60											
65											
70											
75											
80											

Nominal I.D. of Hole	in
Nominal I.D. of Split Barrel Sampler	1⅜ in
Weight/type of Hammer on Drive Pipe	300 lb
Weight/type of Hammer on Split Barrel	140 lb
Drop of Hammer on Drive Pipe	in
Core Size	

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE # 35

APPENDIX D – POST-EXCAVATION CONFIRMATORY SOIL SAMPLE RESULTS

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
1,1,1-Trichloroethane	100	100	0.68	0.00053	U	0.00053	0.00039	U	0.00039	0.00045	U	0.00045
1,1,2,2-Tetrachloroethane	35	NA	0.6	0.00024	U	0.00024	0.00017	U	0.00017	0.00020	U	0.00020
1,1,2-Trichloro-1,2,2-trifluoroethane	100	NA	6	0.00061	U	0.00061	0.00045	U	0.00045	0.00052	U	0.00052
1,1,2-Trichloroethane	NA	NA	NA	0.00039	U	0.00039	0.00029	U	0.00029	0.00033	U	0.00033
1,1-Dichloroethane	19	26	0.27	0.00047	U	0.00047	0.00035	U	0.00035	0.00040	U	0.00040
1,1-Dichloroethene	100	100	0.33	0.00057	U	0.00057	0.00042	U	0.00042	0.00048	U	0.00048
1,2,3-Trichlorobenzene	NA	NA	NA	0.00015	U	0.00015	0.00011	U	0.00011	0.00013	U	0.00013
1,2,4-Trichlorobenzene	NA	NA	3.4	0.00044	U	0.00044	0.00033	U	0.00033	0.00038	U	0.00038
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.00065	U	0.00065	0.00048	U	0.00048	0.00055	U	0.00055
1,2-Dichlorobenzene	100	100	1.1	0.00019	U	0.00019	0.00014	U	0.00014	0.00016	U	0.00016
1,2-Dichloroethane	2.3	3.1	0.02	0.00015	U	0.00015	0.00011	U	0.00011	0.00013	U	0.00013
1,2-Dichloropropane	NA	NA	NA	0.00024	U	0.00024	0.00017	U	0.00017	0.00020	U	0.00020
1,3-Dichlorobenzene	17	49	2.4	0.00017	U	0.00017	0.00012	U	0.00012	0.00014	U	0.00014
1,4-Dichlorobenzene	9.8	13	1.8	0.00018	U	0.00018	0.00013	U	0.00013	0.00015	U	0.00015
1,4-Dioxane	9.8	13	0.1	0.0088	U	0.0088	0.0066	U	0.0066	0.0075	U	0.0075
2-Butanone (MEK)	100	NA	0.3	0.0011	U	0.0011	0.00079	U	0.00079	0.00091	U	0.00091
2-Hexanone	NA	NA	NA	0.0013	U	0.0013	0.00097	U	0.00097	0.0011	U	0.0011
4-Methyl-2-pentanone (MIBK)	NA	NA	1	0.0031	U	0.0031	0.0023	U	0.0023	0.0026	U	0.0026
Acetone	100	100	0.05	0.0015	U	0.0015	0.0011	U	0.0011	0.0012	U	0.0012
Benzene	2.9	4.8	0.06	0.00028	U	0.00028	0.00021	U	0.00021	0.00024	U	0.00024
Bromoform	NA	NA	NA	0.00018	U	0.00018	0.00013	U	0.00013	0.00015	U	0.00015
Bromomethane	NA	NA	NA	0.00044	U	0.00044	0.00033	U	0.00033	0.00038	U	0.00038
Carbon disulfide	100	NA	2.7	0.00060	U	0.00060	0.00044	U	0.00044	0.00051	U	0.00051
Carbon tetrachloride	1.4	2.4	0.76	0.00060	U	0.00060	0.00044	U	0.00044	0.00051	U	0.00051

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
Chlorobenzene	100	100	1.1	0.00019	U	0.00019	0.00014	U	0.00014	0.00016	U	0.00016
Chlorobromomethane	NA	NA	NA	0.00024	U	0.00024	0.00017	U	0.00017	0.00020	U	0.00020
Chlorodibromomethane	NA	NA	NA	0.00021	U	0.00021	0.00015	U	0.00015	0.00018	U	0.00018
Chloroethane	NA	NA	1.9	0.00048	U	0.00048	0.00036	U	0.00036	0.00041	U	0.00041
Chloroform	10	49	0.37	0.00029	U	0.00029	0.00022	U	0.00022	0.00025	U	0.00025
Chloromethane	NA	NA	NA	0.00053	U	0.00053	0.00039	U	0.00039	0.00045	U	0.00045
cis-1,2-Dichloroethene	59	100	0.25	0.00030	U	0.00030	0.00023	U	0.00023	0.00026	U	0.00026
cis-1,3-Dichloropropene	NA	NA	NA	0.00021	U	0.00021	0.00015	U	0.00015	0.00018	U	0.00018
Cyclohexane	NA	NA	NA	0.00064	U	0.00064	0.00047	U	0.00047	0.00054	U	0.00054
Dichlorobromomethane	NA	NA	NA	0.00053	U	0.00053	0.00039	U	0.00039	0.00045	U	0.00045
Dichlorodifluoromethane	NA	NA	NA	0.00044	U	0.00044	0.00033	U	0.00033	0.00038	U	0.00038
Ethylbenzene	30	41	1	0.00025	U	0.00025	0.00019	U	0.00019	0.00021	U	0.00021
Ethylene Dibromide	NA	NA	NA	0.00017	U	0.00017	0.00012	U	0.00012	0.00014	U	0.00014
Isopropylbenzene	100	NA	2.3	0.00024	U	0.00024	0.00017	U	0.00017	0.00020	U	0.00020
Methyl acetate	NA	NA	NA	0.0012	U	0.0012	0.00093	U	0.00093	0.0011	U	0.0011
Methyl tert-butyl ether	62	100	0.93	0.00024	U	0.00024	0.00017	U	0.00017	0.00020	U	0.00020
Methylcyclohexane	NA	NA	NA	0.00069	U	0.00069	0.00051	U	0.00051	0.00059	U	0.00059
Methylene Chloride	51	100	0.05	0.00086	J B	0.00044	0.00065	J B	0.00033	0.00090	J B	0.00038
m-Xylene & p-Xylene	NA	NA	NA	0.00015	U	0.00015	0.00011	U	0.00011	0.00013	U	0.00013
o-Xylene	NA	NA	NA	0.00022	U	0.00022	0.00016	U	0.00016	0.00019	U	0.00019
Styrene	NA	NA	NA	0.00021	U	0.00021	0.00015	U	0.00015	0.00018	U	0.00018
Tetrachloroethene	5.5	19	1.3	0.00039	U	0.00039	0.00029	U	0.00029	0.00033	U	0.00033
Toluene	100	100	0.7	0.00026	U	0.00026	0.00020	U	0.00020	0.00022	U	0.00022
trans-1,2-Dichloroethene	100	100	0.19	0.00054	U	0.00054	0.00040	U	0.00040	0.00046	U	0.00046
trans-1,3-Dichloropropene	NA	NA	NA	0.00014	U	0.00014	0.00010	U	0.00010	0.00012	U	0.00012
Trichloroethene	10	21	0.47	0.00036	U	0.00036	0.00027	U	0.00027	0.00031	U	0.00031
Trichlorofluoromethane	NA	NA	NA	0.00047	U	0.00047	0.00035	U	0.00035	0.00040	U	0.00040
Vinyl chloride	0.21	0.9	0.02	0.00054	U	0.00054	0.00040	U	0.00040	0.00046	U	0.00046
Total Conc	NA	NA	NA	0.00086			0.00065			0.0009		
Total Estimated Conc. (TICs)	NA	NA	NA	0.0*T			0.0*T			0.0*T		

*T There are no TICs reported for the sample
B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
1,1,1-Trichloroethane	100	100	0.68	0.00045	U	0.00045	0.00042	U	0.00042	0.00038	U	0.00038
1,1,2,2-Tetrachloroethane	35	NA	0.6	0.00020	U	0.00020	0.00019	U	0.00019	0.00017	U	0.00017
1,1,2-Trichloro-1,2,2-trifluoroethane	100	NA	6	0.00052	U	0.00052	0.00049	U	0.00049	0.00044	U	0.00044
1,1,2-Trichloroethane	NA	NA	NA	0.00033	U	0.00033	0.00031	U	0.00031	0.00028	U	0.00028
1,1-Dichloroethane	19	26	0.27	0.00040	U	0.00040	0.00038	U	0.00038	0.00034	U	0.00034
1,1-Dichloroethene	100	100	0.33	0.00048	U	0.00048	0.00046	U	0.00046	0.00041	U	0.00041
1,2,3-Trichlorobenzene	NA	NA	NA	0.00013	U	0.00013	0.00012	U	0.00012	0.00011	U	0.00011
1,2,4-Trichlorobenzene	NA	NA	3.4	0.00038	U	0.00038	0.00036	U	0.00036	0.00032	U	0.00032
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.00056	U	0.00056	0.00052	U	0.00052	0.00047	U	0.00047
1,2-Dichlorobenzene	100	100	1.1	0.00017	U	0.00017	0.00016	U	0.00016	0.00014	U	0.00014
1,2-Dichloroethane	2.3	3.1	0.02	0.00013	U	0.00013	0.00012	U	0.00012	0.00011	U	0.00011
1,2-Dichloropropane	NA	NA	NA	0.00020	U	0.00020	0.00019	U	0.00019	0.00017	U	0.00017
1,3-Dichlorobenzene	17	49	2.4	0.00014	U	0.00014	0.00013	U	0.00013	0.00012	U	0.00012
1,4-Dichlorobenzene	9.8	13	1.8	0.00015	U	0.00015	0.00015	U	0.00015	0.00013	U	0.00013
1,4-Dioxane	9.8	13	0.1	0.0075	U	0.0075	0.0071	U	0.0071	0.0064	U	0.0064
2-Butanone (MEK)	100	NA	0.3	0.00091	U	0.00091	0.00086	U	0.00086	0.00077	U	0.00077
2-Hexanone	NA	NA	NA	0.0011	U	0.0011	0.0010	U	0.0010	0.00094	U	0.00094
4-Methyl-2-pentanone (MIBK)	NA	NA	1	0.0026	U	0.0026	0.0025	U	0.0025	0.0022	U	0.0022
Acetone	100	100	0.05	0.0013	U	0.0013	0.0012	U	0.0012	0.0011	U	0.0011
Benzene	2.9	4.8	0.06	0.00024	U	0.00024	0.00022	U	0.00022	0.00020	U	0.00020
Bromoform	NA	NA	NA	0.00015	U	0.00015	0.00015	U	0.00015	0.00013	U	0.00013
Bromomethane	NA	NA	NA	0.00038	U	0.00038	0.00036	U	0.00036	0.00032	U	0.00032
Carbon disulfide	100	NA	2.7	0.00051	U	0.00051	0.00048	U	0.00048	0.00043	U	0.00043
Carbon tetrachloride	1.4	2.4	0.76	0.00051	U	0.00051	0.00048	U	0.00048	0.00043	U	0.00043

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
Chlorobenzene	100	100	1.1	0.00017	U	0.00017	0.00016	U	0.00016	0.00014	U	0.00014
Chlorobromomethane	NA	NA	NA	0.00020	U	0.00020	0.00019	U	0.00019	0.00017	U	0.00017
Chlorodibromomethane	NA	NA	NA	0.00018	U	0.00018	0.00017	U	0.00017	0.00015	U	0.00015
Chloroethane	NA	NA	1.9	0.00041	U	0.00041	0.00039	U	0.00039	0.00035	U	0.00035
Chloroform	10	49	0.37	0.00025	U	0.00025	0.00023	U	0.00023	0.00021	U	0.00021
Chloromethane	NA	NA	NA	0.00045	U	0.00045	0.00042	U	0.00042	0.00038	U	0.00038
cis-1,2-Dichloroethene	59	100	0.25	0.00026	U	0.00026	0.00025	U	0.00025	0.00022	U	0.00022
cis-1,3-Dichloropropene	NA	NA	NA	0.00018	U	0.00018	0.00017	U	0.00017	0.00015	U	0.00015
Cyclohexane	NA	NA	NA	0.00054	U	0.00054	0.00051	U	0.00051	0.00046	U	0.00046
Dichlorobromomethane	NA	NA	NA	0.00045	U	0.00045	0.00042	U	0.00042	0.00038	U	0.00038
Dichlorodifluoromethane	NA	NA	NA	0.00038	U	0.00038	0.00036	U	0.00036	0.00032	U	0.00032
Ethylbenzene	30	41	1	0.00021	U	0.00021	0.00020	U	0.00020	0.00018	U	0.00018
Ethylene Dibromide	NA	NA	NA	0.00014	U	0.00014	0.00013	U	0.00013	0.00012	U	0.00012
Isopropylbenzene	100	NA	2.3	0.00020	U	0.00020	0.00019	U	0.00019	0.00017	U	0.00017
Methyl acetate	NA	NA	NA	0.0011	U	0.0011	0.0010	U	0.0010	0.00090	U	0.00090
Methyl tert-butyl ether	62	100	0.93	0.00020	U	0.00020	0.00019	U	0.00019	0.00017	U	0.00017
Methylcyclohexane	NA	NA	NA	0.00059	U	0.00059	0.00056	U	0.00056	0.00050	U	0.00050
Methylene Chloride	51	100	0.05	0.00072	J B	0.00038	0.00073	J B	0.00036	0.00046	J B	0.00032
m-Xylene & p-Xylene	NA	NA	NA	0.00013	U	0.00013	0.00012	U	0.00012	0.00011	U	0.00011
o-Xylene	NA	NA	NA	0.00019	U	0.00019	0.00018	U	0.00018	0.00016	U	0.00016
Styrene	NA	NA	NA	0.00018	U	0.00018	0.00017	U	0.00017	0.00015	U	0.00015
Tetrachloroethene	5.5	19	1.3	0.00033	U	0.00033	0.00031	U	0.00031	0.00028	U	0.00028
Toluene	100	100	0.7	0.00022	U	0.00022	0.00021	U	0.00021	0.00019	U	0.00019
trans-1,2-Dichloroethene	100	100	0.19	0.00046	U	0.00046	0.00044	U	0.00044	0.00039	U	0.00039
trans-1,3-Dichloropropene	NA	NA	NA	0.00012	U	0.00012	0.00011	U	0.00011	0.00010	U	0.00010
Trichloroethene	10	21	0.47	0.00031	U	0.00031	0.00029	U	0.00029	0.00026	U	0.00026
Trichlorofluoromethane	NA	NA	NA	0.00040	U	0.00040	0.00038	U	0.00038	0.00034	U	0.00034
Vinyl chloride	0.21	0.9	0.02	0.00046	U	0.00046	0.00044	U	0.00044	0.00039	U	0.00039
Total Conc	NA	NA	NA	0.00072			0.00073			0.00046		
Total Estimated Conc. (TICs)	NA	NA	NA	0.0*T			0.0*T			0.0*T		

*T There are no TICs reported for the sample
B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
1,1,1-Trichloroethane	100	100	0.68	0.00041	U	0.00041	0.00042	U	0.00042	0.00040	U	0.00040
1,1,2,2-Tetrachloroethane	35	NA	0.6	0.00018	U	0.00018	0.00019	U	0.00019	0.00018	U	0.00018
1,1,2-Trichloro-1,2,2-trifluoroethane	100	NA	6	0.00048	U *	0.00048	0.00048	U	0.00048	0.00046	U *	0.00046
1,1,2-Trichloroethane	NA	NA	NA	0.00030	U	0.00030	0.00031	U	0.00031	0.00029	U	0.00029
1,1-Dichloroethane	19	26	0.27	0.00037	U	0.00037	0.00037	U	0.00037	0.00036	U	0.00036
1,1-Dichloroethene	100	100	0.33	0.00044	U	0.00044	0.00045	U	0.00045	0.00043	U	0.00043
1,2,3-Trichlorobenzene	NA	NA	NA	0.00012	U	0.00012	0.00012	U	0.00012	0.00012	U	0.00012
1,2,4-Trichlorobenzene	NA	NA	3.4	0.00035	U	0.00035	0.00035	U	0.00035	0.00033	U	0.00033
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.00051	U	0.00051	0.00051	U	0.00051	0.00049	U	0.00049
1,2-Dichlorobenzene	100	100	1.1	0.00015	U	0.00015	0.00015	U	0.00015	0.00015	U	0.00015
1,2-Dichloroethane	2.3	3.1	0.02	0.00012	U	0.00012	0.00012	U	0.00012	0.00012	U	0.00012
1,2-Dichloropropane	NA	NA	NA	0.00018	U	0.00018	0.00019	U	0.00019	0.00018	U	0.00018
1,3-Dichlorobenzene	17	49	2.4	0.00013	U	0.00013	0.00013	U	0.00013	0.00013	U	0.00013
1,4-Dichlorobenzene	9.8	13	1.8	0.00014	U	0.00014	0.00014	U	0.00014	0.00014	U	0.00014
1,4-Dioxane	9.8	13	0.1	0.0069	U	0.0069	0.0070	U	0.0070	0.0067	U	0.0067
2-Butanone (MEK)	100	NA	0.3	0.00083	U	0.00083	0.00084	U	0.00084	0.00081	U	0.00081
2-Hexanone	NA	NA	NA	0.0010	U	0.0010	0.0010	U	0.0010	0.00098	U	0.00098
4-Methyl-2-pentanone (MIBK)	NA	NA	1	0.0024	U	0.0024	0.0024	U	0.0024	0.0023	U	0.0023
Acetone	100	100	0.05	0.0044	J B	0.0011	0.0035	J B	0.0012	0.0026	J B	0.0011
Benzene	2.9	4.8	0.06	0.00022	U	0.00022	0.00022	U	0.00022	0.00021	U	0.00021
Bromoform	NA	NA	NA	0.00014	U	0.00014	0.00014	U	0.00014	0.00014	U	0.00014
Bromomethane	NA	NA	NA	0.00035	U	0.00035	0.00035	U	0.00035	0.00033	U	0.00033
Carbon disulfide	100	NA	2.7	0.00047	U	0.00047	0.00047	U	0.00047	0.00045	U	0.00045
Carbon tetrachloride	1.4	2.4	0.76	0.00047	U	0.00047	0.00047	U	0.00047	0.00045	U	0.00045

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
Chlorobenzene	100	100	1.1	0.00015	U	0.00015	0.00015	U	0.00015	0.00015	U	0.00015
Chlorobromomethane	NA	NA	NA	0.00018	U	0.00018	0.00019	U	0.00019	0.00018	U	0.00018
Chlorodibromomethane	NA	NA	NA	0.00016	U	0.00016	0.00016	U	0.00016	0.00016	U	0.00016
Chloroethane	NA	NA	1.9	0.00038	U	0.00038	0.00038	U	0.00038	0.00037	U	0.00037
Chloroform	10	49	0.37	0.00023	U	0.00023	0.00023	U	0.00023	0.00022	U	0.00022
Chloromethane	NA	NA	NA	0.00041	U	0.00041	0.00042	U	0.00042	0.00040	U	0.00040
cis-1,2-Dichloroethene	59	100	0.25	0.00024	U	0.00024	0.00024	U	0.00024	0.00023	U	0.00023
cis-1,3-Dichloropropene	NA	NA	NA	0.00016	U	0.00016	0.00016	U	0.00016	0.00016	U	0.00016
Cyclohexane	NA	NA	NA	0.00050	U *	0.00050	0.00050	U	0.00050	0.00048	U *	0.00048
Dichlorobromomethane	NA	NA	NA	0.00041	U	0.00041	0.00042	U	0.00042	0.00040	U	0.00040
Dichlorodifluoromethane	NA	NA	NA	0.00035	U	0.00035	0.00035	U	0.00035	0.00033	U	0.00033
Ethylbenzene	30	41	1	0.00019	U	0.00019	0.00020	U	0.00020	0.00019	U	0.00019
Ethylene Dibromide	NA	NA	NA	0.00013	U	0.00013	0.00013	U	0.00013	0.00013	U	0.00013
Isopropylbenzene	100	NA	2.3	0.00018	U	0.00018	0.00019	U	0.00019	0.00018	U	0.00018
Methyl acetate	NA	NA	NA	0.00097	U	0.00097	0.00098	U	0.00098	0.00094	U	0.00094
Methyl tert-butyl ether	62	100	0.93	0.00018	U	0.00018	0.00019	U	0.00019	0.00018	U	0.00018
Methylcyclohexane	NA	NA	NA	0.00054	U	0.00054	0.00055	U	0.00055	0.00052	U	0.00052
Methylene Chloride	51	100	0.05	0.00038	J B	0.00035	0.00037	J B	0.00035	0.00033	U	0.00033
m-Xylene & p-Xylene	NA	NA	NA	0.00012	U	0.00012	0.00012	U	0.00012	0.00012	U	0.00012
o-Xylene	NA	NA	NA	0.00017	U	0.00017	0.00017	U	0.00017	0.00017	U	0.00017
Styrene	NA	NA	NA	0.00016	U	0.00016	0.00016	U	0.00016	0.00016	U	0.00016
Tetrachloroethene	5.5	19	1.3	0.00030	U	0.00030	0.00031	U	0.00031	0.00029	U	0.00029
Toluene	100	100	0.7	0.00021	U	0.00021	0.00021	U	0.00021	0.00020	U	0.00020
trans-1,2-Dichloroethene	100	100	0.19	0.00042	U	0.00042	0.00043	U	0.00043	0.00041	U	0.00041
trans-1,3-Dichloropropene	NA	NA	NA	0.00011	U	0.00011	0.00011	U	0.00011	0.00010	U	0.00010
Trichloroethene	10	21	0.47	0.00028	U	0.00028	0.00028	U	0.00028	0.00027	U	0.00027
Trichlorofluoromethane	NA	NA	NA	0.00037	U	0.00037	0.00037	U	0.00037	0.00036	U	0.00036
Vinyl chloride	0.21	0.9	0.02	0.00042	U	0.00042	0.00043	U	0.00043	0.00041	U	0.00041
Total Conc	NA	NA	NA	0.00478			0.00387			0.0026		
Total Estimated Conc. (TICs)	NA	NA	NA	0.0*T			0.0*T			0.0*T		

*T There are no TICs reported for the sample
B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-SWW-2**			**PZ-EX-4-B8**			**PZ-EX-4-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135294-1			460-135395-1			460-135395-2		
Sampling Date	Residential	Restricted Residential	GW	06/14/2017 14:00:00			06/15/2017 08:30:00			06/15/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
1,1,1-Trichloroethane	100	100	0.68	0.00039	U	0.00039	0.00045	U	0.00045	0.00035	U	0.00035
1,1,2,2-Tetrachloroethane	35	NA	0.6	0.00017	U	0.00017	0.00020	U	0.00020	0.00016	U	0.00016
1,1,2-Trichloro-1,2,2-trifluoroethane	100	NA	6	0.00045	U *	0.00045	0.00052	U	0.00052	0.00041	U	0.00041
1,1,2-Trichloroethane	NA	NA	NA	0.00028	U	0.00028	0.00033	U	0.00033	0.00026	U	0.00026
1,1-Dichloroethane	19	26	0.27	0.00035	U	0.00035	0.00040	U	0.00040	0.00032	U	0.00032
1,1-Dichloroethene	100	100	0.33	0.00042	U	0.00042	0.00048	U	0.00048	0.00038	U	0.00038
1,2,3-Trichlorobenzene	NA	NA	NA	0.00011	U	0.00011	0.00013	U	0.00013	0.00010	U	0.00010
1,2,4-Trichlorobenzene	NA	NA	3.4	0.00032	U	0.00032	0.00038	U	0.00038	0.00030	U	0.00030
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.00048	U	0.00048	0.00055	U	0.00055	0.00044	U	0.00044
1,2-Dichlorobenzene	100	100	1.1	0.00014	U	0.00014	0.00016	U	0.00016	0.00013	U	0.00013
1,2-Dichloroethane	2.3	3.1	0.02	0.00011	U	0.00011	0.00013	U	0.00013	0.00010	U	0.00010
1,2-Dichloropropane	NA	NA	NA	0.00017	U	0.00017	0.00020	U	0.00020	0.00016	U	0.00016
1,3-Dichlorobenzene	17	49	2.4	0.00012	U	0.00012	0.00014	U	0.00014	0.00011	U	0.00011
1,4-Dichlorobenzene	9.8	13	1.8	0.00013	U	0.00013	0.00015	U	0.00015	0.00012	U	0.00012
1,4-Dioxane	9.8	13	0.1	0.0065	U	0.0065	0.0075	U	0.0075	0.0060	U	0.0060
2-Butanone (MEK)	100	NA	0.3	0.00078	U	0.00078	0.00090	U	0.00090	0.00072	U	0.00072
2-Hexanone	NA	NA	NA	0.00095	U	0.00095	0.0011	U	0.0011	0.00088	U	0.00088
4-Methyl-2-pentanone (MIBK)	NA	NA	1	0.0023	U	0.0023	0.0026	U	0.0026	0.0021	U	0.0021
Acetone	100	100	0.05	0.0022	J B	0.0011	0.0027	J B	0.0012	0.0024	J B	0.00099
Benzene	2.9	4.8	0.06	0.00020	U	0.00020	0.00024	U	0.00024	0.00019	U	0.00019
Bromoform	NA	NA	NA	0.00013	U	0.00013	0.00015	U	0.00015	0.00012	U	0.00012
Bromomethane	NA	NA	NA	0.00032	U	0.00032	0.00038	U	0.00038	0.00030	U	0.00030
Carbon disulfide	100	NA	2.7	0.00044	U	0.00044	0.00051	U	0.00051	0.00040	U	0.00040
Carbon tetrachloride	1.4	2.4	0.76	0.00044	U	0.00044	0.00051	U	0.00051	0.00040	U	0.00040

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-SWW-2**			**PZ-EX-4-B8**			**PZ-EX-4-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135294-1			460-135395-1			460-135395-2		
Sampling Date	Residential	Restricted Residential	GW	06/14/2017 14:00:00			06/15/2017 08:30:00			06/15/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
Chlorobenzene	100	100	1.1	0.00014	U	0.00014	0.00016	U	0.00016	0.00013	U	0.00013
Chlorobromomethane	NA	NA	NA	0.00017	U	0.00017	0.00020	U	0.00020	0.00016	U	0.00016
Chlorodibromomethane	NA	NA	NA	0.00015	U	0.00015	0.00018	U	0.00018	0.00014	U	0.00014
Chloroethane	NA	NA	1.9	0.00036	U	0.00036	0.00041	U	0.00041	0.00033	U	0.00033
Chloroform	10	49	0.37	0.00021	U	0.00021	0.00025	U	0.00025	0.00020	U	0.00020
Chloromethane	NA	NA	NA	0.00039	U	0.00039	0.00045	U	0.00045	0.00035	U	0.00035
cis-1,2-Dichloroethene	59	100	0.25	0.00022	U	0.00022	0.00026	U	0.00026	0.00020	U	0.00020
cis-1,3-Dichloropropene	NA	NA	NA	0.00015	U	0.00015	0.00018	U	0.00018	0.00014	U	0.00014
Cyclohexane	NA	NA	NA	0.00047	U *	0.00047	0.00054	U	0.00054	0.00043	U	0.00043
Dichlorobromomethane	NA	NA	NA	0.00039	U	0.00039	0.00045	U	0.00045	0.00035	U	0.00035
Dichlorodifluoromethane	NA	NA	NA	0.00032	U	0.00032	0.00038	U	0.00038	0.00030	U	0.00030
Ethylbenzene	30	41	1	0.00018	U	0.00018	0.00021	U	0.00021	0.00017	U	0.00017
Ethylene Dibromide	NA	NA	NA	0.00012	U	0.00012	0.00014	U	0.00014	0.00011	U	0.00011
Isopropylbenzene	100	NA	2.3	0.00017	U	0.00017	0.00020	U	0.00020	0.00016	U	0.00016
Methyl acetate	NA	NA	NA	0.00091	U	0.00091	0.0011	U	0.0011	0.00084	U	0.00084
Methyl tert-butyl ether	62	100	0.93	0.00017	U	0.00017	0.00020	U	0.00020	0.00016	U	0.00016
Methylcyclohexane	NA	NA	NA	0.00051	U	0.00051	0.00059	U	0.00059	0.00047	U	0.00047
Methylene Chloride	51	100	0.05	0.00032	U	0.00032	0.00064	J B	0.00038	0.00062	J B	0.00030
m-Xylene & p-Xylene	NA	NA	NA	0.00011	U	0.00011	0.00013	U	0.00013	0.00010	U	0.00010
o-Xylene	NA	NA	NA	0.00016	U	0.00016	0.00019	U	0.00019	0.00015	U	0.00015
Styrene	NA	NA	NA	0.00015	U	0.00015	0.00018	U	0.00018	0.00014	U	0.00014
Tetrachloroethene	5.5	19	1.3	0.00028	U	0.00028	0.00033	U	0.00033	0.00026	U	0.00026
Toluene	100	100	0.7	0.00019	U	0.00019	0.00022	U	0.00022	0.00018	U	0.00018
trans-1,2-Dichloroethene	100	100	0.19	0.00040	U	0.00040	0.00046	U	0.00046	0.00036	U	0.00036
trans-1,3-Dichloropropene	NA	NA	NA	0.00010	U	0.00010	0.00012	U	0.00012	0.000093	U	0.000093
Trichloroethene	10	21	0.47	0.00026	U	0.00026	0.00031	U	0.00031	0.00024	U	0.00024
Trichlorofluoromethane	NA	NA	NA	0.00035	U	0.00035	0.00040	U	0.00040	0.00032	U	0.00032
Vinyl chloride	0.21	0.9	0.02	0.00040	U	0.00040	0.00046	U	0.00046	0.00036	U	0.00036
Total Conc	NA	NA	NA	0.0022			0.00334			0.00302		
Total Estimated Conc. (TICs)	NA	NA	NA	0.0*T			0.0*T			0.0*T		

*T There are no TICs reported for the sample
B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C									
1,1,1-Trichloroethane	100	100	0.68	0.00052	U	0.00052	0.00039	U	0.00039
1,1,2,2-Tetrachloroethane	35	NA	0.6	0.00023	U	0.00023	0.00017	U	0.00017
1,1,2-Trichloro-1,2,2-trifluoroethane	100	NA	6	0.00060	U	0.00060	0.00045	U	0.00045
1,1,2-Trichloroethane	NA	NA	NA	0.00038	U	0.00038	0.00029	U	0.00029
1,1-Dichloroethane	19	26	0.27	0.00047	U	0.00047	0.00035	U	0.00035
1,1-Dichloroethene	100	100	0.33	0.00056	U	0.00056	0.00042	U	0.00042
1,2,3-Trichlorobenzene	NA	NA	NA	0.00015	U	0.00015	0.00011	U	0.00011
1,2,4-Trichlorobenzene	NA	NA	3.4	0.00044	U	0.00044	0.00033	U	0.00033
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.00064	U	0.00064	0.00048	U	0.00048
1,2-Dichlorobenzene	100	100	1.1	0.00019	U	0.00019	0.00014	U	0.00014
1,2-Dichloroethane	2.3	3.1	0.02	0.00015	U	0.00015	0.00011	U	0.00011
1,2-Dichloropropane	NA	NA	NA	0.00023	U	0.00023	0.00017	U	0.00017
1,3-Dichlorobenzene	17	49	2.4	0.00016	U	0.00016	0.00012	U	0.00012
1,4-Dichlorobenzene	9.8	13	1.8	0.00018	U	0.00018	0.00013	U	0.00013
1,4-Dioxane	9.8	13	0.1	0.0088	U	0.0088	0.0065	U	0.0065
2-Butanone (MEK)	100	NA	0.3	0.0011	U	0.0011	0.00079	U	0.00079
2-Hexanone	NA	NA	NA	0.0013	U	0.0013	0.00096	U	0.00096
4-Methyl-2-pentanone (MIBK)	NA	NA	1	0.0030	U	0.0030	0.0023	U	0.0023
Acetone	100	100	0.05	0.0025	J B	0.0015	0.0037	J B	0.0011
Benzene	2.9	4.8	0.06	0.00027	U	0.00027	0.00020	U	0.00020
Bromoform	NA	NA	NA	0.00018	U	0.00018	0.00013	U	0.00013
Bromomethane	NA	NA	NA	0.00044	U	0.00044	0.00033	U	0.00033
Carbon disulfide	100	NA	2.7	0.00059	U	0.00059	0.00044	U	0.00044
Carbon tetrachloride	1.4	2.4	0.76	0.00059	U	0.00059	0.00044	U	0.00044

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C									
Chlorobenzene	100	100	1.1	0.00019	U	0.00019	0.00014	U	0.00014
Chlorobromomethane	NA	NA	NA	0.00023	U	0.00023	0.00017	U	0.00017
Chlorodibromomethane	NA	NA	NA	0.00021	U	0.00021	0.00015	U	0.00015
Chloroethane	NA	NA	1.9	0.00048	U	0.00048	0.00036	U	0.00036
Chloroform	10	49	0.37	0.00029	U	0.00029	0.00021	U	0.00021
Chloromethane	NA	NA	NA	0.00052	U	0.00052	0.00039	U	0.00039
cis-1,2-Dichloroethene	59	100	0.25	0.00030	U	0.00030	0.00022	U	0.00022
cis-1,3-Dichloropropene	NA	NA	NA	0.00021	U	0.00021	0.00015	U	0.00015
Cyclohexane	NA	NA	NA	0.00063	U	0.00063	0.00047	U	0.00047
Dichlorobromomethane	NA	NA	NA	0.00052	U	0.00052	0.00039	U	0.00039
Dichlorodifluoromethane	NA	NA	NA	0.00044	U	0.00044	0.00033	U	0.00033
Ethylbenzene	30	41	1	0.00025	U	0.00025	0.00018	U	0.00018
Ethylene Dibromide	NA	NA	NA	0.00016	U	0.00016	0.00012	U	0.00012
Isopropylbenzene	100	NA	2.3	0.00023	U	0.00023	0.00017	U	0.00017
Methyl acetate	NA	NA	NA	0.0012	U	0.0012	0.0055	B	0.00092
Methyl tert-butyl ether	62	100	0.93	0.00023	U	0.00023	0.00017	U	0.00017
Methylcyclohexane	NA	NA	NA	0.00069	U	0.00069	0.00051	U	0.00051
Methylene Chloride	51	100	0.05	0.00085	J B	0.00044	0.00033	U	0.00033
m-Xylene & p-Xylene	NA	NA	NA	0.00015	U	0.00015	0.00017	J B	0.00011
o-Xylene	NA	NA	NA	0.00022	U	0.00022	0.00016	U	0.00016
Styrene	NA	NA	NA	0.00021	U	0.00021	0.00015	U	0.00015
Tetrachloroethene	5.5	19	1.3	0.00038	U	0.00038	0.00033	J B	0.00029
Toluene	100	100	0.7	0.00026	U	0.00026	0.00076	J B	0.00019
trans-1,2-Dichloroethene	100	100	0.19	0.00054	U	0.00054	0.00040	U	0.00040
trans-1,3-Dichloropropene	NA	NA	NA	0.00014	U	0.00014	0.00010	U	0.00010
Trichloroethene	10	21	0.47	0.00036	U	0.00036	0.00027	U	0.00027
Trichlorofluoromethane	NA	NA	NA	0.00047	U	0.00047	0.00035	U	0.00035
Vinyl chloride	0.21	0.9	0.02	0.00054	U	0.00054	0.00040	U	0.00040
Total Conc	NA	NA	NA	0.00335			0.01046		
Total Estimated Conc. (TICs)	NA	NA	NA	0.0*T			0.0*T		

*T There are no TICs reported for the sample
B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D												
1,1'-Biphenyl	NA	NA	NA	0.033	U	0.033	0.034	U	0.034	0.032	U	0.032
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	0.029	U	0.029	0.030	U	0.030	0.028	U	0.028
2,2'-oxybis[1-chloropropane]	NA	NA	NA	0.016	U	0.016	0.016	U	0.016	0.015	U	0.015
2,3,4,6-Tetrachlorophenol	NA	NA	NA	0.037	U	0.037	0.038	U	0.038	0.035	U	0.035
2,4,5-Trichlorophenol	100	NA	0.1	0.039	U	0.039	0.040	U	0.040	0.037	U	0.037
2,4,6-Trichlorophenol	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
2,4-Dichlorophenol	100	NA	0.4	0.0092	U	0.0092	0.0094	U	0.0094	0.0087	U	0.0087
2,4-Dimethylphenol	NA	NA	NA	0.086	U	0.086	0.088	U	0.088	0.081	U	0.081
2,4-Dinitrophenol	100	NA	0.2	0.29	U *	0.29	0.30	U *	0.30	0.28	U *	0.28
2,4-Dinitrotoluene	NA	NA	NA	0.015	U	0.015	0.016	U	0.016	0.015	U	0.015
2,6-Dinitrotoluene	1.03	NA	NA	0.021	U	0.021	0.021	U	0.021	0.020	U	0.020
2-Chloronaphthalene	NA	NA	NA	0.0088	U	0.0088	0.0091	U	0.0091	0.0084	U	0.0084
2-Chlorophenol	100	NA	NA	0.0099	U	0.0099	0.010	U	0.010	0.0094	U	0.0094
2-Methylnaphthalene	0.41	NA	36.4	0.0086	U	0.0086	0.0088	U	0.0088	0.0082	U	0.0082
2-Methylphenol	100	100	0.33	0.017	U	0.017	0.017	U	0.017	0.016	U	0.016
2-Nitroaniline	NA	NA	0.4	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
2-Nitrophenol	NA	NA	0.3	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
3,3'-Dichlorobenzidine	NA	NA	NA	0.043	U	0.043	0.045	U	0.045	0.041	U	0.041
3-Nitroaniline	NA	NA	0.5	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
4,6-Dinitro-2-methylphenol	NA	NA	NA	0.10	U	0.10	0.11	U	0.11	0.099	U	0.099
4-Bromophenyl phenyl ether	NA	NA	NA	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012
4-Chloro-3-methylphenol	NA	NA	NA	0.017	U	0.017	0.017	U	0.017	0.016	U	0.016
4-Chloroaniline	100	NA	0.22	0.010	U	0.010	0.010	U	0.010	0.0095	U	0.0095
4-Chlorophenyl phenyl ether	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
4-Methylphenol	34	100	0.33	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
4-Nitroaniline	NA	NA	NA	0.015	U	0.015	0.015	U	0.015	0.014	U	0.014
4-Nitrophenol	NA	NA	0.1	0.19	U	0.19	0.19	U	0.19	0.18	U	0.18
Acenaphthene	100	100	98	0.0094	U	0.0094	0.0097	U	0.0097	0.012	J	0.0090
Acenaphthylene	100	100	107	0.010	U	0.010	0.010	U	0.010	0.0095	U	0.0095
Acetophenone	NA	NA	NA	0.0085	U	0.0085	0.0087	U	0.0087	0.0081	U	0.0081
Anthracene	100	100	1000	0.037	U	0.037	0.038	U	0.038	0.036	J	0.035
Atrazine	NA	NA	NA	0.017	U	0.017	0.018	U	0.018	0.016	U	0.016
Benzaldehyde	NA	NA	NA	0.030	U	0.030	0.031	U	0.031	0.028	U	0.028
Benzo[a]anthracene	1	1	1	0.033	U	0.033	0.033	U	0.033	0.12		0.031
Benzo[a]pyrene	1	1	22	0.012	U	0.012	0.012	U	0.012	0.11		0.011
Benzo[b]fluoranthene	1	1	1.7	0.015	U	0.015	0.016	U	0.016	0.16		0.014
Benzo[g,h,i]perylene	100	100	1000	0.022	U *	0.022	0.023	U *	0.023	0.052	J *	0.021
Benzo[k]fluoranthene	1	3.9	1.7	0.017	U	0.017	0.017	U	0.017	0.060		0.016

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D												
Bis(2-chloroethoxy)methane	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012
Bis(2-chloroethyl)ether	NA	NA	NA	0.0092	U	0.0092	0.0094	U	0.0094	0.0087	U	0.0087
Bis(2-ethylhexyl) phthalate	50	NA	435	0.015	U	0.015	0.016	U	0.016	0.014	U	0.014
Butyl benzyl phthalate	100	NA	122	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
Caprolactam	NA	NA	NA	0.028	U	0.028	0.029	U	0.029	0.027	U	0.027
Carbazole	NA	NA	NA	0.0097	U	0.0097	0.0099	U	0.0099	0.0092	U	0.0092
Chrysene	1	3.9	1	0.011	U	0.011	0.011	U	0.011	0.12	J	0.010
Dibenz(a,h)anthracene	0.33	0.33	1000	0.020	U *	0.020	0.021	U *	0.021	0.019	U *	0.019
Dibenzofuran	14	59	6.2	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
Diethyl phthalate	100	NA	7.1	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Dimethyl phthalate	100	NA	27	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
Di-n-butyl phthalate	100	NA	8.1	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
Di-n-octyl phthalate	100	NA	120	0.020	U	0.020	0.020	U	0.020	0.019	U	0.019
Fluoranthene	100	100	1000	0.012	U	0.012	0.012	U	0.012	0.26	J	0.011
Fluorene	100	100	386	0.0085	U	0.0085	0.0087	U	0.0087	0.0081	U	0.0081
Hexachlorobenzene	0.33	1.2	1.4	0.016	U	0.016	0.016	U	0.016	0.015	U	0.015
Hexachlorobutadiene	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Hexachlorocyclopentadiene	NA	NA	NA	0.024	U	0.024	0.025	U	0.025	0.023	U	0.023
Hexachloroethane	NA	NA	NA	0.014	U	0.014	0.015	U	0.015	0.014	U	0.014
Indeno[1,2,3-cd]pyrene	0.5	0.5	8.2	0.026	U	0.026	0.027	U	0.027	0.084		0.025
Isophorone	100	NA	4.4	0.0084	U	0.0084	0.0086	U	0.0086	0.0079	U	0.0079
Naphthalene	100	100	12	0.0099	U	0.0099	0.010	U	0.010	0.0094	U	0.0094
Nitrobenzene	3.7	15	0.17	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012
N-Nitrosodi-n-propylamine	NA	NA	NA	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
N-Nitrosodiphenylamine	NA	NA	NA	0.035	U	0.035	0.036	U	0.036	0.034	U	0.034
Pentachlorophenol	2.4	6.7	0.8	0.047	U	0.047	0.048	U	0.048	0.045	U	0.045
Phenanthrene	100	100	1000	0.010	U	0.010	0.011	U	0.011	0.17	J	0.0098
Phenol	100	100	0.33	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
Pyrene	100	100	1000	0.018	U	0.018	0.018	U	0.018	0.22	J	0.017
Total Conc	NA	NA	NA	0.0			0.0			1.404		
Total Estimated Conc. (TICs)	NA	NA	NA	0.0*T			0.0*T			1.64		

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D												
1,1'-Biphenyl	NA	NA	NA	0.032	U	0.032	0.033	U	0.033	0.031	U	0.031
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	0.028	U	0.028	0.029	U	0.029	0.027	U	0.027
2,2'-oxybis[1-chloropropane]	NA	NA	NA	0.016	U	0.016	0.016	U	0.016	0.015	U	0.015
2,3,4,6-Tetrachlorophenol	NA	NA	NA	0.036	U	0.036	0.036	U	0.036	0.034	U	0.034
2,4,5-Trichlorophenol	100	NA	0.1	0.038	U	0.038	0.038	U	0.038	0.036	U	0.036
2,4,6-Trichlorophenol	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
2,4-Dichlorophenol	100	NA	0.4	0.0090	U	0.0090	0.0091	U	0.0091	0.0086	U	0.0086
2,4-Dimethylphenol	NA	NA	NA	0.084	U	0.084	0.085	U	0.085	0.081	U	0.081
2,4-Dinitrophenol	100	NA	0.2	0.29	U *	0.29	0.29	U *	0.29	0.28	U *	0.28
2,4-Dinitrotoluene	NA	NA	NA	0.015	U	0.015	0.015	U	0.015	0.015	U	0.015
2,6-Dinitrotoluene	1.03	NA	NA	0.020	U	0.020	0.020	U	0.020	0.020	U	0.020
2-Chloronaphthalene	NA	NA	NA	0.0086	U	0.0086	0.0087	U	0.0087	0.0083	U	0.0083
2-Chlorophenol	100	NA	NA	0.0097	U	0.0097	0.0098	U	0.0098	0.0093	U	0.0093
2-Methylnaphthalene	0.41	NA	36.4	0.0084	U	0.0084	0.0085	U	0.0085	0.0081	U	0.0081
2-Methylphenol	100	100	0.33	0.017	U	0.017	0.017	U	0.017	0.016	U	0.016
2-Nitroaniline	NA	NA	0.4	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
2-Nitrophenol	NA	NA	0.3	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
3,3'-Dichlorobenzidine	NA	NA	NA	0.042	2 F1	0.042	0.043	U	0.043	0.041	U	0.041
3-Nitroaniline	NA	NA	0.5	0.011	1 F2	0.011	0.011	U	0.011	0.011	U	0.011
4,6-Dinitro-2-methylphenol	NA	NA	NA	0.10	U F1	0.10	0.10	U	0.10	0.098	U	0.098
4-Bromophenyl phenyl ether	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012
4-Chloro-3-methylphenol	NA	NA	NA	0.016	U	0.016	0.017	U	0.017	0.016	U	0.016
4-Chloroaniline	100	NA	0.22	0.0098	1 F2	0.0098	0.0099	U	0.0099	0.0094	U	0.0094
4-Chlorophenyl phenyl ether	NA	NA	NA	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
4-Methylphenol	34	100	0.33	0.010	U	0.010	0.010	U	0.010	0.010	U	0.010
4-Nitroaniline	NA	NA	NA	0.014	U	0.014	0.015	U	0.015	0.014	U	0.014
4-Nitrophenol	NA	NA	0.1	0.18	U	0.18	0.19	U	0.19	0.18	U	0.18
Acenaphthene	100	100	98	0.0092	U	0.0092	0.0093	U	0.0093	0.0089	U	0.0089
Acenaphthylene	100	100	107	0.0098	U	0.0098	0.0099	U	0.0099	0.0094	U	0.0094
Acetophenone	NA	NA	NA	0.0083	U	0.0083	0.0084	U	0.0084	0.0080	U	0.0080
Anthracene	100	100	1000	0.036	U	0.036	0.037	U	0.037	0.035	U	0.035
Atrazine	NA	NA	NA	0.017	U	0.017	0.017	U	0.017	0.016	U	0.016
Benzaldehyde	NA	NA	NA	0.029	U	0.029	0.029	U	0.029	0.028	U	0.028
Benzo[a]anthracene	1	1	1	0.032	U	0.032	0.032	U	0.032	0.031	U	0.031
Benzo[a]pyrene	1	1	22	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
Benzo[b]fluoranthene	1	1	1.7	0.015	U	0.015	0.015	U	0.015	0.014	U	0.014
Benzo[g,h,i]perylene	100	100	1000	0.022	U *	0.022	0.022	U *	0.022	0.021	U *	0.021
Benzo[k]fluoranthene	1	3.9	1.7	0.017	U	0.017	0.017	U	0.017	0.016	U	0.016

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D												
Bis(2-chloroethoxy)methane	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
Bis(2-chloroethyl)ether	NA	NA	NA	0.0090	U	0.0090	0.0091	U	0.0091	0.0086	U	0.0086
Bis(2-ethylhexyl) phthalate	50	NA	435	0.015	U	0.015	0.015	U	0.015	0.014	U	0.014
Butyl benzyl phthalate	100	NA	122	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
Caprolactam	NA	NA	NA	0.027	U	0.027	0.028	U	0.028	0.026	U	0.026
Carbazole	NA	NA	NA	0.0094	U	0.0094	0.0095	U	0.0095	0.0091	U	0.0091
Chrysene	1	3.9	1	0.010	U F1	0.010	0.010	U	0.010	0.031	J	0.010
Dibenz(a,h)anthracene	0.33	0.33	1000	0.020	U *	0.020	0.020	U *	0.020	0.019	U *	0.019
Dibenzofuran	14	59	6.2	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
Diethyl phthalate	100	NA	7.1	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Dimethyl phthalate	100	NA	27	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Di-n-butyl phthalate	100	NA	8.1	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
Di-n-octyl phthalate	100	NA	120	0.019	U	0.019	0.020	U	0.020	0.019	U	0.019
Fluoranthene	100	100	1000	0.011	U	0.011	0.011	U	0.011	0.036	J	0.011
Fluorene	100	100	386	0.0083	U	0.0083	0.0084	U	0.0084	0.0080	U	0.0080
Hexachlorobenzene	0.33	1.2	1.4	0.015	U	0.015	0.016	U	0.016	0.015	U	0.015
Hexachlorobutadiene	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Hexachlorocyclopentadiene	NA	NA	NA	0.024	U	0.024	0.024	U	0.024	0.023	U	0.023
Hexachloroethane	NA	NA	NA	0.014	U	0.014	0.014	U	0.014	0.013	U	0.013
Indeno[1,2,3-cd]pyrene	0.5	0.5	8.2	0.025	U	0.025	0.026	U	0.026	0.024	U	0.024
Isophorone	100	NA	4.4	0.059	J	0.0082	0.0083	U	0.0083	0.055	J	0.0079
Naphthalene	100	100	12	0.0097	U	0.0097	0.0098	U	0.0098	0.0093	U	0.0093
Nitrobenzene	3.7	15	0.17	0.012	U F1	0.012	0.012	U	0.012	0.012	U	0.012
N-Nitrosodi-n-propylamine	NA	NA	NA	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
N-Nitrosodiphenylamine	NA	NA	NA	0.034	U	0.034	0.035	U	0.035	0.033	U	0.033
Pentachlorophenol	2.4	6.7	0.8	0.046	U	0.046	0.047	U	0.047	0.044	U	0.044
Phenanthrene	100	100	1000	0.010	U	0.010	0.010	U	0.010	0.022	J	0.0098
Phenol	100	100	0.33	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012
Pyrene	100	100	1000	0.017	U	0.017	0.017	U	0.017	0.043	J	0.017
Total Conc	NA	NA	NA	0.059			0.0			0.187		
Total Estimated Conc. (TICs)	NA	NA	NA	8.1			1.67			3.02		

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**			**PX-EX3-SWW-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3			460-135294-1		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00			06/14/2017 14:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D															
1,1'-Biphenyl	NA	NA	NA	0.030	U	0.030	0.031	U	0.031	0.032	U	0.032	0.035	U	0.035
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	0.026	U	0.026	0.027	U	0.027	0.028	U	0.028	0.030	U	0.030
2,2'-oxybis[1-chloropropane]	NA	NA	NA	0.015	U	0.015	0.015	U	0.015	0.016	U	0.016	0.017	U	0.017
2,3,4,6-Tetrachlorophenol	NA	NA	NA	0.033	U	0.033	0.034	U	0.034	0.036	U	0.036	0.038	U	0.038
2,4,5-Trichlorophenol	100	NA	0.1	0.035	U	0.035	0.036	U	0.036	0.038	U	0.038	0.041	U	0.041
2,4,6-Trichlorophenol	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.011	U	0.011	0.012	U	0.012
2,4-Dichlorophenol	100	NA	0.4	0.0084	U	0.0084	0.0086	U	0.0086	0.0089	U	0.0089	0.0096	U	0.0096
2,4-Dimethylphenol	NA	NA	NA	0.078	U	0.078	0.080	U	0.080	0.083	U	0.083	0.090	U	0.090
2,4-Dinitrophenol	100	NA	0.2	0.27	U	0.27	0.28	U	0.28	0.29	U	0.29	0.31	U	0.31
2,4-Dinitrotoluene	NA	NA	NA	0.014	U	0.014	0.014	U	0.014	0.015	U	0.015	0.016	U	0.016
2,6-Dinitrotoluene	1.03	NA	NA	0.019	U	0.019	0.019	U	0.019	0.020	U	0.020	0.022	U	0.022
2-Chloronaphthalene	NA	NA	NA	0.0080	U	0.0080	0.0083	U	0.0083	0.0086	U	0.0086	0.0093	U	0.0093
2-Chlorophenol	100	NA	NA	0.0090	U	0.0090	0.0093	U	0.0093	0.0096	U	0.0096	0.010	U	0.010
2-Methylnaphthalene	0.41	NA	36.4	0.0078	U	0.0078	0.0080	U	0.0080	0.0084	U	0.0084	0.0090	U	0.0090
2-Methylphenol	100	100	0.33	0.015	U	0.015	0.016	U	0.016	0.017	U	0.017	0.018	U	0.018
2-Nitroaniline	NA	NA	0.4	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013	0.013	U	0.013
2-Nitrophenol	NA	NA	0.3	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013	0.014	U	0.014
3,3'-Dichlorobenzidine	NA	NA	NA	0.040	U	0.040	0.041	U	0.041	0.042	U	0.042	0.046	U	0.046
3-Nitroaniline	NA	NA	0.5	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012
4,6-Dinitro-2-methylphenol	NA	NA	NA	0.095	U	0.095	0.097	U	0.097	0.10	U	0.10	0.11	U	0.11
4-Bromophenyl phenyl ether	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012	0.013	U	0.013
4-Chloro-3-methylphenol	NA	NA	NA	0.015	U	0.015	0.016	U	0.016	0.016	U	0.016	0.018	U	0.018
4-Chloroaniline	100	NA	0.22	0.0091	U	0.0091	0.0094	U	0.0094	0.0097	U	0.0097	0.011	U	0.011
4-Chlorophenyl phenyl ether	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012
4-Methylphenol	34	100	0.33	0.0096	U	0.0096	0.0099	U	0.0099	0.010	U	0.010	0.011	U	0.011
4-Nitroaniline	NA	NA	NA	0.013	U	0.013	0.014	U	0.014	0.014	U	0.014	0.015	U	0.015
4-Nitrophenol	NA	NA	0.1	0.17	U	0.17	0.18	U	0.18	0.18	U	0.18	0.20	U	0.20
Acenaphthene	100	100	98	0.0086	U	0.0086	0.0088	U	0.0088	0.014	J	0.0092	0.0099	U	0.0099
Acenaphthylene	100	100	107	0.0091	U	0.0091	0.0094	U	0.0094	0.0097	U	0.0097	0.011	U	0.011
Acetophenone	NA	NA	NA	0.0077	U	0.0077	0.0079	U	0.0079	0.0083	U	0.0083	0.0089	U	0.0089
Anthracene	100	100	1000	0.034	U	0.034	0.035	U	0.035	0.053	J	0.036	0.039	U	0.039
Atrazine	NA	NA	NA	0.016	U	0.016	0.016	U	0.016	0.017	U	0.017	0.018	U	0.018
Benzaldehyde	NA	NA	NA	0.027	U	0.027	0.028	U	0.028	0.029	U	0.029	0.031	U	0.031
Benzo[a]anthracene	1	1	1	0.030	U	0.030	0.030	U	0.030	0.13		0.032	0.034	U	0.034
Benzo[a]pyrene	1	1	22	0.011	U	0.011	0.011	U	0.011	0.12		0.011	0.012	U	0.012
Benzo[b]fluoranthene	1	1	1.7	0.014	U	0.014	0.014	U	0.014	0.16		0.015	0.016	U	0.016
Benzo[g,h,i]perylene	100	100	1000	0.020	U	0.020	0.021	U	0.021	0.098	J	0.022	0.023	U	0.023
Benzo[k]fluoranthene	1	3.9	1.7	0.015	U	0.015	0.016	U	0.016	0.050		0.017	0.018	U	0.018

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**			**PX-EX3-SWW-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3			460-135294-1		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00			06/14/2017 14:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D															
Bis(2-chloroethoxy)methane	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012	0.013	U	0.013
Bis(2-chloroethyl)ether	NA	NA	NA	0.0084	U	0.0084	0.0086	U	0.0086	0.0089	U	0.0089	0.0096	U	0.0096
Bis(2-ethylhexyl) phthalate	50	NA	435	0.014	U	0.014	0.014	U	0.014	0.015	U	0.015	0.016	U	0.016
Butyl benzyl phthalate	100	NA	122	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012	0.013	U	0.013
Caprolactam	NA	NA	NA	0.026	U	0.026	0.026	U	0.026	0.027	U	0.027	0.029	U	0.029
Carbazole	NA	NA	NA	0.0088	U	0.0088	0.0090	U	0.0090	0.013	J	0.0094	0.010	U	0.010
Chrysene	1	3.9	1	0.0096	U	0.0096	0.0099	U	0.0099	0.13	J	0.010	0.011	U	0.011
Dibenz(a,h)anthracene	0.33	0.33	1000	0.018	U	0.018	0.019	U	0.019	0.020	U	0.020	0.021	U	0.021
Dibenzofuran	14	59	6.2	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012
Diethyl phthalate	100	NA	7.1	0.010	U	0.010	0.010	U	0.010	0.011	U	0.011	0.012	U	0.012
Dimethyl phthalate	100	NA	27	0.010	U	0.010	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012
Di-n-butyl phthalate	100	NA	8.1	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012
Di-n-octyl phthalate	100	NA	120	0.018	U	0.018	0.019	U	0.019	0.019	U	0.019	0.021	U	0.021
Fluoranthene	100	100	1000	0.011	U	0.011	0.011	U	0.011	0.27	J	0.011	0.012	U	0.012
Fluorene	100	100	386	0.0077	U	0.0077	0.0079	U	0.0079	0.016	J	0.0083	0.0089	U	0.0089
Hexachlorobenzene	0.33	1.2	1.4	0.014	U	0.014	0.015	U	0.015	0.015	U	0.015	0.017	U	0.017
Hexachlorobutadiene	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.011	U	0.011	0.011	U	0.011
Hexachlorocyclopentadiene	NA	NA	NA	0.022	U	0.022	0.023	U	0.023	0.024	U	0.024	0.025	U	0.025
Hexachloroethane	NA	NA	NA	0.013	U	0.013	0.013	U	0.013	0.014	U	0.014	0.015	U	0.015
Indeno[1,2,3-cd]pyrene	0.5	0.5	8.2	0.024	U	0.024	0.024	U	0.024	0.091		0.025	0.027	U	0.027
Isophorone	100	NA	4.4	0.0076	U	0.0076	0.18		0.0078	0.052	J	0.0081	0.0088	U	0.0088
Naphthalene	100	100	12	0.0090	U	0.0090	0.0093	U	0.0093	0.0096	U	0.0096	0.010	U	0.010
Nitrobenzene	3.7	15	0.17	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012	0.013	U	0.013
N-Nitrosodi-n-propylamine	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013	0.014	U	0.014
N-Nitrosodiphenylamine	NA	NA	NA	0.032	U	0.032	0.033	U	0.033	0.034	U	0.034	0.037	U	0.037
Pentachlorophenol	2.4	6.7	0.8	0.043	U	0.043	0.044	U	0.044	0.046	U	0.046	0.049	U	0.049
Phenanthrene	100	100	1000	0.0094	U	0.0094	0.0097	U	0.0097	0.19	J	0.010	0.011	U	0.011
Phenol	100	100	0.33	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013
Pyrene	100	100	1000	0.016	U	0.016	0.017	U	0.017	0.28	J	0.017	0.019	U	0.019
Total Conc	NA	NA	NA	0.0			0.18			1.667			0.0		
Total Estimated Conc. (TICs)	NA	NA	NA	6.61			10.13			6.4			0.48		

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-B8**			**PZ-EX-4-SWW**			**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-1			460-135395-2			460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:30:00			06/15/2017 08:40:00			06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D															
1,1'-Biphenyl	NA	NA	NA	0.032	U	0.032	0.033	U	0.033	0.034	U	0.034	0.033	U	0.033
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	0.028	U	0.028	0.029	U	0.029	0.030	U	0.030	0.029	U	0.029
2,2'-oxybis[1-chloropropane]	NA	NA	NA	0.015	U *	0.015	0.016	U *	0.016	0.017	U *	0.017	0.016	U	0.016
2,3,4,6-Tetrachlorophenol	NA	NA	NA	0.035	U	0.035	0.036	U	0.036	0.038	U	0.038	0.036	U	0.036
2,4,5-Trichlorophenol	100	NA	0.1	0.037	U	0.037	0.038	U	0.038	0.040	U	0.040	0.038	U	0.038
2,4,6-Trichlorophenol	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
2,4-Dichlorophenol	100	NA	0.4	0.0089	U	0.0089	0.0091	U	0.0091	0.0095	U	0.0095	0.0090	U	0.0090
2,4-Dimethylphenol	NA	NA	NA	0.083	U	0.083	0.085	U	0.085	0.089	U	0.089	0.084	U	0.084
2,4-Dinitrophenol	100	NA	0.2	0.28	U	0.28	0.29	U	0.29	0.30	U	0.30	0.29	U	0.29
2,4-Dinitrotoluene	NA	NA	NA	0.015	U	0.015	0.015	U	0.015	0.016	U	0.016	0.015	U	0.015
2,6-Dinitrotoluene	1.03	NA	NA	0.020	U	0.020	0.021	U	0.021	0.021	U	0.021	0.020	U	0.020
2-Chloronaphthalene	NA	NA	NA	0.0085	U	0.0085	0.0087	U	0.0087	0.0091	U	0.0091	0.0087	U	0.0087
2-Chlorophenol	100	NA	NA	0.0096	U	0.0096	0.0098	U	0.0098	0.010	U	0.010	0.0097	U	0.0097
2-Methylnaphthalene	0.41	NA	36.4	0.0083	U	0.0083	0.0085	U	0.0085	0.015	J	0.0089	0.014	J	0.0085
2-Methylphenol	100	100	0.33	0.016	U	0.016	0.017	U	0.017	0.018	U	0.018	0.017	U	0.017
2-Nitroaniline	NA	NA	0.4	0.012	U	0.012	0.013	U	0.013	0.013	U	0.013	0.013	U F1	0.013
2-Nitrophenol	NA	NA	0.3	0.013	U	0.013	0.013	U	0.013	0.014	U	0.014	0.013	U	0.013
3,3'-Dichlorobenzidine	NA	NA	NA	0.042	U	0.042	0.043	U	0.043	0.045	U	0.045	0.043	U	0.043
3-Nitroaniline	NA	NA	0.5	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
4,6-Dinitro-2-methylphenol	NA	NA	NA	0.10	U	0.10	0.10	U	0.10	0.11	U	0.11	0.10	U	0.10
4-Bromophenyl phenyl ether	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012
4-Chloro-3-methylphenol	NA	NA	NA	0.016	U	0.016	0.017	U	0.017	0.017	U	0.017	0.016	U	0.016
4-Chloroaniline	100	NA	0.22	0.0097	U	0.0097	0.0099	U	0.0099	0.010	U	0.010	0.0099	U	0.0099
4-Chlorophenyl phenyl ether	NA	NA	NA	0.011	U	0.011	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
4-Methylphenol	34	100	0.33	0.010	U	0.010	0.010	U	0.010	0.011	U	0.011	0.032	J	0.010
4-Nitroaniline	NA	NA	NA	0.014	U	0.014	0.015	U	0.015	0.015	U	0.015	0.015	U	0.015
4-Nitrophenol	NA	NA	0.1	0.18	U	0.18	0.19	U	0.19	0.19	U	0.19	0.18	U	0.18
Acenaphthene	100	100	98	0.0091	U	0.0091	0.0093	U	0.0093	0.032	J	0.0098	0.051	J	0.0093
Acenaphthylene	100	100	107	0.0097	U	0.0097	0.0099	U	0.0099	0.034	J	0.010	0.022	J	0.0099
Acetophenone	NA	NA	NA	0.0082	U	0.0082	0.0084	U	0.0084	0.0088	U	0.0088	0.0084	U	0.0084
Anthracene	100	100	1000	0.036	U	0.036	0.037	U	0.037	0.19	J	0.038	0.28	J	0.036
Atrazine	NA	NA	NA	0.017	U	0.017	0.017	U	0.017	0.018	U	0.018	0.017	U	0.017
Benzaldehyde	NA	NA	NA	0.029	U	0.029	0.029	U	0.029	0.031	U	0.031	0.029	U	0.029
Benzo[a]anthracene	1	1	1	0.031	U	0.031	0.043		0.032	0.69		0.034	0.95		0.032
Benzo[a]pyrene	1	1	22	0.011	U	0.011	0.039		0.012	0.67		0.012	0.89		0.012
Benzo[b]fluoranthene	1	1	1.7	0.015	U	0.015	0.051		0.015	0.79		0.016	1.0		0.015
Benzo[g,h,i]perylene	100	100	1000	0.022	U	0.022	0.057	J	0.022	0.75		0.023	0.46		0.022
Benzo[k]fluoranthene	1	3.9	1.7	0.016	U	0.016	0.023	J	0.017	0.29		0.018	0.50		0.017

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-B8**			**PZ-EX-4-SWW**			**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-1			460-135395-2			460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:30:00			06/15/2017 08:40:00			06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D															
Bis(2-chloroethoxy)methane	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012
Bis(2-chloroethyl)ether	NA	NA	NA	0.0089	U	0.0089	0.0091	U	0.0091	0.0095	U	0.0095	0.0090	U	0.0090
Bis(2-ethylhexyl) phthalate	50	NA	435	0.015	U	0.015	0.015	U	0.015	0.016	U	0.016	0.015	U	0.015
Butyl benzyl phthalate	100	NA	122	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012
Caprolactam	NA	NA	NA	0.027	U	0.027	0.028	U	0.028	0.029	U	0.029	0.028	U	0.028
Carbazole	NA	NA	NA	0.0093	U	0.0093	0.0096	U	0.0096	0.10	J	0.010	0.18	J	0.0095
Chrysene	1	3.9	1	0.010	U	0.010	0.044	J	0.010	0.79		0.011	1.0		0.010
Dibenz(a,h)anthracene	0.33	0.33	1000	0.020	U	0.020	0.020	U	0.020	0.19		0.021	0.18		0.020
Dibenzofuran	14	59	6.2	0.011	U	0.011	0.012	U	0.012	0.035	J	0.012	0.039	J	0.012
Diethyl phthalate	100	NA	7.1	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Dimethyl phthalate	100	NA	27	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
Di-n-butyl phthalate	100	NA	8.1	0.011	U	0.011	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
Di-n-octyl phthalate	100	NA	120	0.019	U	0.019	0.020	U	0.020	0.020	U	0.020	0.019	U	0.019
Fluoranthene	100	100	1000	0.011	U	0.011	0.059	J	0.011	1.3		0.012	2.1		0.011
Fluorene	100	100	386	0.0082	U	0.0082	0.0084	U	0.0084	0.043	J	0.0088	0.074	J	0.0084
Hexachlorobenzene	0.33	1.2	1.4	0.015	U	0.015	0.016	U	0.016	0.016	U	0.016	0.016	U	0.016
Hexachlorobutadiene	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Hexachlorocyclopentadiene	NA	NA	NA	0.023	U	0.023	0.024	U	0.024	0.025	U	0.025	0.024	U	0.024
Hexachloroethane	NA	NA	NA	0.014	U	0.014	0.014	U	0.014	0.015	U	0.015	0.014	U	0.014
Indeno[1,2,3-cd]pyrene	0.5	0.5	8.2	0.025	U	0.025	0.051		0.026	**0.68**		0.027	**0.52**		0.026
Isophorone	100	NA	4.4	0.0081	U	0.0081	0.0083	U	0.0083	0.0087	U	0.0087	0.047	J	0.0082
Naphthalene	100	100	12	0.0096	U	0.0096	0.0098	U	0.0098	0.038	J	0.010	0.030	J	0.0097
Nitrobenzene	3.7	15	0.17	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012
N-Nitrosodi-n-propylamine	NA	NA	NA	0.013	U	0.013	0.013	U	0.013	0.014	U	0.014	0.013	U	0.013
N-Nitrosodiphenylamine	NA	NA	NA	0.034	U	0.034	0.035	U	0.035	0.037	U	0.037	0.035	U	0.035
Pentachlorophenol	2.4	6.7	0.8	0.046	U	0.046	0.047	U	0.047	0.049	U	0.049	0.046	U	0.046
Phenanthrene	100	100	1000	0.010	U	0.010	0.039	J	0.010	0.81		0.011	1.2		0.010
Phenol	100	100	0.33	0.012	U	0.012	0.013	U	0.013	0.013	U	0.013	0.013	U	0.013
Pyrene	100	100	1000	0.017	U	0.017	0.067	J	0.017	1.4		0.018	1.6		0.017
Total Conc	NA	NA	NA	0.0			0.473			8.847			11.169		
Total Estimated Conc. (TICs)	NA	NA	NA	7.67			13.63			0.47			0.045		

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8081B-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8081B												
4,4'-DDD	2.6	13	14	0.0014	U	0.0014	0.0014	U	0.0014	0.0013	U	0.0013
4,4'-DDE	1.8	8.9	17	0.00094	U	0.00094	0.00096	U	0.00096	0.00088	U	0.00088
4,4'-DDT	1.7	7.9	136	0.0015	U	0.0015	0.0015	U	0.0015	0.0014	U	0.0014
Aldrin	0.019	0.097	0.19	0.0012	U	0.0012	0.0012	U	0.0012	0.0011	U	0.0011
alpha-BHC	0.097	0.48	0.02	0.00081	U	0.00081	0.00083	U	0.00083	0.00076	U	0.00076
beta-BHC	0.072	0.36	0.09	0.00089	U	0.00089	0.00091	U	0.00091	0.00084	U	0.00084
Chlordane (technical)	NA	NA	NA	0.019	U	0.019	0.020	U	0.020	0.018	U	0.018
delta-BHC	100	100	0.25	0.00049	U	0.00049	0.00050	U	0.00050	0.00046	U	0.00046
Dieldrin	0.039	0.2	0.1	0.0010	U	0.0010	0.0011	U	0.0011	0.00097	U	0.00097
Endosulfan I	4.8	24	102	0.0012	U	0.0012	0.0012	U	0.0012	0.0011	U	0.0011
Endosulfan II	4.8	24	102	0.0021	U	0.0021	0.0021	U	0.0021	0.0019	U	0.0019
Endosulfan sulfate	4.8	24	1000	0.0010	U	0.0010	0.0010	U	0.0010	0.00094	U	0.00094
Endrin	2.2	11	0.06	0.0011	U	0.0011	0.0012	U	0.0012	0.0011	U	0.0011
Endrin aldehyde	NA	NA	NA	0.0019	U	0.0019	0.0019	U	0.0019	0.0018	U	0.0018
Endrin ketone	NA	NA	NA	0.0016	U	0.0016	0.0016	U	0.0016	0.0015	U	0.0015
gamma-BHC (Lindane)	0.28	1.3	0.1	0.00074	U	0.00074	0.00075	U	0.00075	0.00069	U	0.00069
Heptachlor	0.42	2.1	0.38	0.00094	U	0.00094	0.00096	U	0.00096	0.00088	U	0.00088
Heptachlor epoxide	0.077	NA	0.02	0.0012	U	0.0012	0.0012	U	0.0012	0.0011	U	0.0011
Methoxychlor	100	NA	900	0.0018	U	0.0018	0.0019	U	0.0019	0.0017	U	0.0017
Toxaphene	NA	NA	NA	0.029	U	0.029	0.029	U	0.029	0.027	U	0.027

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8081B-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8081B												
4,4'-DDD	2.6	13	14	0.0013	U	0.0013	0.0013	U	0.0013	0.0013	U	0.0013
4,4'-DDE	1.8	8.9	17	0.00091	U	0.00091	0.00092	U	0.00092	0.00088	U	0.00088
4,4'-DDT	1.7	7.9	136	0.0014	U	0.0014	0.0014	U	0.0014	0.0014	U	0.0014
Aldrin	0.019	0.097	0.19	0.0012	U	0.0012	0.0012	U	0.0012	0.0011	U	0.0011
alpha-BHC	0.097	0.48	0.02	0.00078	U	0.00078	0.00079	U	0.00079	0.00076	U	0.00076
beta-BHC	0.072	0.36	0.09	0.00086	U	0.00086	0.00087	U	0.00087	0.00083	U	0.00083
Chlordane (technical)	NA	NA	NA	0.019	U	0.019	0.019	U	0.019	0.018	U	0.018
delta-BHC	100	100	0.25	0.00047	U	0.00047	0.00048	U	0.00048	0.00046	U	0.00046
Dieldrin	0.039	0.2	0.1	0.0010	U	0.0010	0.0010	U	0.0010	0.00097	U	0.00097
Endosulfan I	4.8	24	102	0.0012	U	0.0012	0.0012	U	0.0012	0.0011	U	0.0011
Endosulfan II	4.8	24	102	0.0020	U	0.0020	0.0020	U	0.0020	0.0019	U	0.0019
Endosulfan sulfate	4.8	24	1000	0.00097	U	0.00097	0.00098	U	0.00098	0.00093	U	0.00093
Endrin	2.2	11	0.06	0.0011	U	0.0011	0.0011	U	0.0011	0.0011	U	0.0011
Endrin aldehyde	NA	NA	NA	0.0018	U	0.0018	0.0018	U	0.0018	0.0018	U	0.0018
Endrin ketone	NA	NA	NA	0.0015	U	0.0015	0.0015	U	0.0015	0.0014	U	0.0014
gamma-BHC (Lindane)	0.28	1.3	0.1	0.00071	U	0.00071	0.00072	U	0.00072	0.00069	U	0.00069
Heptachlor	0.42	2.1	0.38	0.00091	U	0.00091	0.00092	U	0.00092	0.00088	U	0.00088
Heptachlor epoxide	0.077	NA	0.02	0.0011	U	0.0011	0.0012	U	0.0012	0.0011	U	0.0011
Methoxychlor	100	NA	900	0.0018	U	0.0018	0.0018	U	0.0018	0.0017	U	0.0017
Toxaphene	NA	NA	NA	0.028	U	0.028	0.028	U	0.028	0.027	U	0.027

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8081B-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8081B												
4,4'-DDD	2.6	13	14	0.0012	U	0.0012	0.0013	U	0.0013	0.0013	U	0.0013
4,4'-DDE	1.8	8.9	17	0.00085	U	0.00085	0.00087	U	0.00087	0.00090	U	0.00090
4,4'-DDT	1.7	7.9	136	0.0013	U	0.0013	0.0014	U	0.0014	0.0014	U	0.0014
Aldrin	0.019	0.097	0.19	0.0011	U	0.0011	0.0011	U	0.0011	0.0012	U	0.0012
alpha-BHC	0.097	0.48	0.02	0.00073	U	0.00073	0.00075	U	0.00075	0.00078	U	0.00078
beta-BHC	0.072	0.36	0.09	0.00080	U	0.00080	0.00083	U	0.00083	0.00086	U	0.00086
Chlordane (technical)	NA	NA	NA	0.017	U	0.017	0.018	U	0.018	0.019	U	0.019
delta-BHC	100	100	0.25	0.00044	U	0.00044	0.00045	U	0.00045	0.00047	U	0.00047
Dieldrin	0.039	0.2	0.1	0.00093	U	0.00093	0.00096	U	0.00096	0.00099	U	0.00099
Endosulfan I	4.8	24	102	0.0011	U	0.0011	0.0011	U	0.0011	0.0012	U	0.0012
Endosulfan II	4.8	24	102	0.0018	U	0.0018	0.0019	U	0.0019	0.0020	U	0.0020
Endosulfan sulfate	4.8	24	1000	0.00090	U	0.00090	0.00092	U	0.00092	0.00096	U	0.00096
Endrin	2.2	11	0.06	0.0010	U	0.0010	0.0011	U	0.0011	0.0011	U	0.0011
Endrin aldehyde	NA	NA	NA	0.0017	U	0.0017	0.0017	U	0.0017	0.0018	U	0.0018
Endrin ketone	NA	NA	NA	0.0014	U	0.0014	0.0014	U	0.0014	0.0015	U	0.0015
gamma-BHC (Lindane)	0.28	1.3	0.1	0.00066	U	0.00066	0.00068	U	0.00068	0.00071	U	0.00071
Heptachlor	0.42	2.1	0.38	0.00085	U	0.00085	0.00087	U	0.00087	0.00090	U	0.00090
Heptachlor epoxide	0.077	NA	0.02	0.0011	U	0.0011	0.0011	U	0.0011	0.0011	U	0.0011
Methoxychlor	100	NA	900	0.0016	U	0.0016	0.0017	U	0.0017	0.0017	U	0.0017
Toxaphene	NA	NA	NA	0.026	U	0.026	0.027	U	0.027	0.028	U	0.028

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-SWW-2**			**PZ-EX-4-B8**			**PZ-EX-4-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135294-1			460-135395-1			460-135395-2		
Sampling Date	Residential	Restricted Residential	GW	06/14/2017 14:00:00			06/15/2017 08:30:00			06/15/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8081B-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8081B												
4,4'-DDD	2.6	13	14	0.0014	U	0.0014	0.0013	U	0.0013	0.0013	U	0.0013
4,4'-DDE	1.8	8.9	17	0.00098	U	0.00098	0.00090	U	0.00090	0.00092	U	0.00092
4,4'-DDT	1.7	7.9	136	0.0015	U	0.0015	0.0014	U	0.0014	0.0014	U	0.0014
Aldrin	0.019	0.097	0.19	0.0012	U	0.0012	0.0012	U	0.0012	0.0012	U	0.0012
alpha-BHC	0.097	0.48	0.02	0.00084	U	0.00084	0.00078	U	0.00078	0.00079	U	0.00079
beta-BHC	0.072	0.36	0.09	0.00093	U	0.00093	0.00086	U	0.00086	0.00088	U	0.00088
Chlordane (technical)	NA	NA	NA	0.020	U	0.020	0.019	U	0.019	0.019	U	0.019
delta-BHC	100	100	0.25	0.00051	U	0.00051	0.00047	U	0.00047	0.00048	U	0.00048
Dieldrin	0.039	0.2	0.1	0.0011	U	0.0011	0.0010	U	0.0010	0.0010	U	0.0010
Endosulfan I	4.8	24	102	0.0013	U	0.0013	0.0012	U	0.0012	0.0012	U	0.0012
Endosulfan II	4.8	24	102	0.0021	U	0.0021	0.0020	U	0.0020	0.0020	U	0.0020
Endosulfan sulfate	4.8	24	1000	0.0010	U	0.0010	0.00096	U	0.00096	0.00098	U	0.00098
Endrin	2.2	11	0.06	0.0012	U	0.0012	0.0011	U	0.0011	0.0011	U	0.0011
Endrin aldehyde	NA	NA	NA	0.0020	U	0.0020	0.0018	U	0.0018	0.0018	U	0.0018
Endrin ketone	NA	NA	NA	0.0016	U	0.0016	0.0015	U	0.0015	0.0015	U	0.0015
gamma-BHC (Lindane)	0.28	1.3	0.1	0.00077	U	0.00077	0.00071	U	0.00071	0.00072	U	0.00072
Heptachlor	0.42	2.1	0.38	0.00098	U	0.00098	0.00090	U	0.00090	0.00092	U	0.00092
Heptachlor epoxide	0.077	NA	0.02	0.0012	U	0.0012	0.0011	U	0.0011	0.0012	U	0.0012
Methoxychlor	100	NA	900	0.0019	U	0.0019	0.0018	U	0.0018	0.0018	U	0.0018
Toxaphene	NA	NA	NA	0.030	U	0.030	0.028	U	0.028	0.028	U	0.028

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg		
GCSVOA-8081B-SOIL				Result	Q	MDL	Result	Q	MDL
SOIL BY 8081B									
4,4'-DDD	2.6	13	14	0.0014	U	0.0014	0.0013	U	0.0013
4,4'-DDE	1.8	8.9	17	0.00096	U	0.00096	0.00092	U	0.00092
4,4'-DDT	1.7	7.9	136	0.0015	U	0.0015	0.0014	U	0.0014
Aldrin	0.019	0.097	0.19	0.0012	U	0.0012	0.0012	U	0.0012
alpha-BHC	0.097	0.48	0.02	0.00083	U	0.00083	0.00079	U	0.00079
beta-BHC	0.072	0.36	0.09	0.00092	U	0.00092	0.00087	U	0.00087
Chlordane (technical)	NA	NA	NA	0.020	U	0.020	0.019	U	0.019
delta-BHC	100	100	0.25	0.00050	U	0.00050	0.00048	U	0.00048
Dieldrin	0.039	0.2	0.1	0.0011	U	0.0011	0.0010	U	0.0010
Endosulfan I	4.8	24	102	0.0012	U	0.0012	0.0012	U	0.0012
Endosulfan II	4.8	24	102	0.0021	U	0.0021	0.0020	U	0.0020
Endosulfan sulfate	4.8	24	1000	0.0010	U	0.0010	0.00098	U	0.00098
Endrin	2.2	11	0.06	0.0012	U	0.0012	0.0011	U	0.0011
Endrin aldehyde	NA	NA	NA	0.0019	U	0.0019	0.0018	U	0.0018
Endrin ketone	NA	NA	NA	0.0016	U	0.0016	0.0015	U	0.0015
gamma-BHC (Lindane)	0.28	1.3	0.1	0.00076	U	0.00076	0.00072	U	0.00072
Heptachlor	0.42	2.1	0.38	0.00096	U	0.00096	0.00092	U	0.00092
Heptachlor epoxide	0.077	NA	0.02	0.0012	U	0.0012	0.0012	U	0.0012
Methoxychlor	100	NA	900	0.0019	U	0.0019	0.0018	U	0.0018
Toxaphene	NA	NA	NA	0.030	U	0.030	0.028	U	0.028

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8082A-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8082A												
Aroclor 1016	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1221	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1232	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1242	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1248	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1254	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1260	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1268	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor-1262	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Total PCBs	1	1	3.2	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8082A-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8082A												
Aroclor 1016	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.0099	U	0.0099
Aroclor 1221	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.0099	U	0.0099
Aroclor 1232	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.0099	U	0.0099
Aroclor 1242	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.0099	U	0.0099
Aroclor 1248	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.0099	U	0.0099
Aroclor 1254	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1260	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1268	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor-1262	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Total PCBs	1	1	3.2	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8082A-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8082A												
Aroclor 1016	NA	NA	NA	0.0095	U	0.0095	0.0098	U	0.0098	0.010	U	0.010
Aroclor 1221	NA	NA	NA	0.0095	U	0.0095	0.0098	U	0.0098	0.010	U	0.010
Aroclor 1232	NA	NA	NA	0.0095	U	0.0095	0.0098	U	0.0098	0.010	U	0.010
Aroclor 1242	NA	NA	NA	0.0095	U	0.0095	0.0098	U	0.0098	0.010	U	0.010
Aroclor 1248	NA	NA	NA	0.0095	U	0.0095	0.0098	U	0.0098	0.010	U	0.010
Aroclor 1254	NA	NA	NA	0.0099	U	0.0099	0.010	U	0.010	0.011	U	0.011
Aroclor 1260	NA	NA	NA	0.0099	U	0.0099	0.010	U	0.010	0.011	U	0.011
Aroclor 1268	NA	NA	NA	0.0099	U	0.0099	0.010	U	0.010	0.011	U	0.011
Aroclor-1262	NA	NA	NA	0.0099	U	0.0099	0.010	U	0.010	0.011	U	0.011
Total PCBs	1	1	3.2	0.0099	U	0.0099	0.010	U	0.010	0.011	U	0.011

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-SWW-2**			**PZ-EX-4-B8**			**PZ-EX-4-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135294-1			460-135395-1			460-135395-2		
Sampling Date	Residential	Restricted Residential	GW	06/14/2017 14:00:00			06/15/2017 08:30:00			06/15/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8082A-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8082A												
Aroclor 1016	NA	NA	NA	0.011	U	0.011	0.010	U	0.010	0.010	U	0.010
Aroclor 1221	NA	NA	NA	0.011	U	0.011	0.010	U	0.010	0.010	U	0.010
Aroclor 1232	NA	NA	NA	0.011	U	0.011	0.010	U	0.010	0.010	U	0.010
Aroclor 1242	NA	NA	NA	0.011	U	0.011	0.010	U	0.010	0.010	U	0.010
Aroclor 1248	NA	NA	NA	0.011	U	0.011	0.010	U	0.010	0.010	U	0.010
Aroclor 1254	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Aroclor 1260	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Aroclor 1268	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Aroclor-1262	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Total PCBs	1	1	3.2	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg		
GCSVOA-8082A-SOIL				Result	Q	MDL	Result	Q	MDL
SOIL BY 8082A									
Aroclor 1016	NA	NA	NA	0.011	U	0.011	0.010	U	0.010
Aroclor 1221	NA	NA	NA	0.011	U	0.011	0.010	U	0.010
Aroclor 1232	NA	NA	NA	0.011	U	0.011	0.010	U	0.010
Aroclor 1242	NA	NA	NA	0.011	U	0.011	0.010	U	0.010
Aroclor 1248	NA	NA	NA	0.011	U	0.011	0.010	U	0.010
Aroclor 1254	NA	NA	NA	0.011	U	0.011	0.011	U	0.011
Aroclor 1260	NA	NA	NA	0.011	U	0.011	0.011	U	0.011
Aroclor 1268	NA	NA	NA	0.011	U	0.011	0.011	U	0.011
Aroclor-1262	NA	NA	NA	0.011	U	0.011	0.011	U	0.011
Total PCBs	1	1	3.2	0.011	U	0.011	0.011	U	0.011

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
Unit												
METALS-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 6010C(MG/KG)												
Aluminum	NA	NA	NA	9280		9.8	9700		8.4	4960		9.0
Antimony	NA	NA	NA	0.57	U	0.57	0.49	U	0.49	0.53	U	0.53
Arsenic	NA	16	16	1.6	J	0.89	1.1	J	0.76	2.0	J	0.81
Barium	350	400	820	42.6	J	3.9	39.9	J	3.3	122		3.6
Beryllium	14	72	47	0.34	J	0.055	0.35	J	0.047	0.23	J	0.051
Cadmium	2.5	4.3	7.5	0.14	U	0.14	0.12	U	0.12	0.13	U	0.13
Calcium	NA	NA	NA	2860		122	1740		104	9610		112
Chromium	NA	NA	NA	17.0		0.66	16.1		0.57	18.3		0.61
Cobalt	30	NA	NA	5.3	J	1.4	3.9	J	1.2	3.8	J	1.3
Copper	270	270	1720	14.3		1.4	7.3		1.2	32.2		1.2
Iron	2000	NA	NA	**12500**		6.5	**10500**		5.5	**9010**		5.9
Lead	400	400	450	37.5		0.72	21.4		0.62	232		0.66
Magnesium	NA	NA	NA	2550		92.2	2320		79.0	4730		84.7
Manganese	2000	2000	2000	159		0.37	112		0.32	150		0.34
Nickel	140	310	130	12.5		0.91	9.6		0.78	10.7		0.83
Potassium	NA	NA	NA	354	J	63.6	307	J	54.5	410	J	58.4
Selenium	36	180	4	1.4	U	1.4	1.2	U	1.2	1.3	U	1.3
Silver	36	180	8.3	0.36	U	0.36	0.31	U	0.31	0.34	U	0.34
Sodium	NA	NA	NA	864	J	92.1	497	J	78.9	549	J	84.6
Thallium	NA	NA	NA	1.4	U	1.4	1.2	U	1.2	1.3	U	1.3
Vanadium	100	NA	NA	20.3		1.4	17.5		1.2	16.5		1.3
Zinc	2200	10000	2480	51.2		0.62	30.8		0.53	72.9		0.57
SOIL BY 7471B(MG/KG)												
Mercury	0.81	0.81	0.73	0.072		0.012	0.080		0.013	**12.7**		0.22

Highlighted Concentrations shown in bold type face exceed limits
F1 : MS and/or MSD Recovery is outside acceptance limits.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
Unit												
METALS-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 6010C(MG/KG)												
Aluminum	NA	NA	NA	9480		9.0	7770		8.3	8840		8.6
Antimony	NA	NA	NA	0.53	U	0.53	0.49	U	0.49	0.50	J F1	0.50
Arsenic	NA	16	16	1.4	J	0.81	1.2	J	0.75	1.2	J	0.78
Barium	350	400	820	35.9	J	3.6	26.1	J	3.3	26.7	J	3.4
Beryllium	14	72	47	0.52		0.051	0.33	J	0.047	0.34	J	0.048
Cadmium	2.5	4.3	7.5	0.13	U	0.13	0.12	U	0.12	0.12	U	0.12
Calcium	NA	NA	NA	786	J	112	536	J	103	1120		107
Chromium	NA	NA	NA	16.3		0.61	12.8		0.56	16.0		0.58
Cobalt	30	NA	NA	11.5		1.3	5.4	J	1.2	5.0	J	1.2
Copper	270	270	1720	12.1		1.2	8.5		1.1	10.4		1.2
Iron	2000	NA	NA	**17100**		5.9	**12000**		5.5	**13000**		5.7
Lead	400	400	450	5.5		0.66	5.5		0.61	14.1		0.63
Magnesium	NA	NA	NA	2610		84.7	2310		78.2	2690		80.9
Manganese	2000	2000	2000	181		0.34	231		0.31	185		0.33
Nickel	140	310	130	14.9		0.83	11.1		0.77	11.9		0.80
Potassium	NA	NA	NA	576	J	58.4	401	J	53.9	560	J	55.8
Selenium	36	180	4	1.3	U	1.3	1.2	U	1.2	1.3	U	1.3
Silver	36	180	8.3	0.33	U	0.33	0.31	U	0.31	0.32	U	0.32
Sodium	NA	NA	NA	229	J	84.5	269	J	78.1	228	J	80.8
Thallium	NA	NA	NA	1.3	U	1.3	1.2	U	1.2	1.2	U	1.2
Vanadium	100	NA	NA	27.0		1.3	15.2		1.2	17.8		1.2
Zinc	2200	10000	2480	32.3		0.57	22.9		0.52	36.0		0.54
SOIL BY 7471B(MG/KG)												
Mercury	0.81	0.81	0.73	0.012	U	0.012	0.013	J	0.012	0.024		0.011

Highlighted Concentrations shown in bold type face exceed limits
F1 : MS and/or MSD Recovery is outside acceptance limits.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
Unit												
METALS-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 6010C(MG/KG)												
Aluminum	NA	NA	NA	5360		7.9	6660		7.9	7360		8.6
Antimony	NA	NA	NA	0.46	U	0.46	0.46	U	0.46	0.50	U	0.50
Arsenic	NA	16	16	1.3	J	0.71	1.5	J	0.71	1.5	J	0.78
Barium	350	400	820	37.2	J	3.1	45.3		3.1	52.8		3.4
Beryllium	14	72	47	0.28	J	0.044	0.33	J	0.044	0.37	J	0.048
Cadmium	2.5	4.3	7.5	0.11	U	0.11	0.11	U	0.11	0.13	U	0.13
Calcium	NA	NA	NA	841	J	97.7	786	J	98.5	1580		107
Chromium	NA	NA	NA	13.0		0.53	14.6		0.54	15.2		0.58
Cobalt	30	NA	NA	6.0	J	1.1	5.3	J	1.1	7.0	J	1.2
Copper	270	270	1720	8.2		1.1	17.2		1.1	9.4		1.2
Iron	2000	NA	NA	**10900**		5.2	**14500**		5.2	**13600**		5.7
Lead	400	400	450	4.1		0.58	4.2		0.58	15.0		0.64
Magnesium	NA	NA	NA	1600		73.9	2230		74.5	2150		81.1
Manganese	2000	2000	2000	472		0.30	128		0.30	344		0.33
Nickel	140	310	130	9.2		0.73	10.2		0.73	10.0		0.80
Potassium	NA	NA	NA	392	J	51.0	692	J	51.4	601	J	55.9
Selenium	36	180	4	1.2	U	1.2	1.2	U	1.2	1.3	U	1.3
Silver	36	180	8.3	0.29	U	0.29	0.29	U	0.29	0.32	U	0.32
Sodium	NA	NA	NA	73.8	U	73.8	74.4	U	74.4	81.0	U	81.0
Thallium	NA	NA	NA	1.1	U	1.1	1.1	U	1.1	1.2	U	1.2
Vanadium	100	NA	NA	14.2		1.1	20.0		1.1	17.7		1.3
Zinc	2200	10000	2480	18.4		0.50	25.6		0.50	32.6		0.54
SOIL BY 7471B(MG/KG)												
Mercury	0.81	0.81	0.73	0.011	U	0.011	0.011	U	0.011	0.015	J	0.012

Highlighted Concentrations shown in bold type face exceed limits
F1 : MS and/or MSD Recovery is outside acceptance limits.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-SWW-2**			**PZ-EX-4-B8**			**PZ-EX-4-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135294-1			460-135395-1			460-135395-2		
Sampling Date	Residential	Restricted Residential	GW	06/14/2017 14:00:00			06/15/2017 08:30:00			06/15/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
Unit												
METALS-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 6010C(MG/KG)												
Aluminum	NA	NA	NA	6660		8.1	7850		7.4	13300		7.5
Antimony	NA	NA	NA	0.47	U	0.47	0.44	U	0.44	0.44	U	0.44
Arsenic	NA	16	16	0.78	J	0.73	0.94	J	0.67	2.7	J	0.68
Barium	350	400	820	42.8		3.2	33.1	J	2.9	55.8		3.0
Beryllium	14	72	47	0.24	J	0.046	0.28	J	0.042	0.44		0.042
Cadmium	2.5	4.3	7.5	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11
Calcium	NA	NA	NA	977	J	101	1070		92.7	859	J	93.8
Chromium	NA	NA	NA	13.2		0.55	19.7		0.50	20.3		0.51
Cobalt	30	NA	NA	3.8	J	1.1	4.6	J	1.0	7.8	J	1.0
Copper	270	270	1720	10.2		1.1	26.4		1.0	13.9		1.0
Iron	2000	NA	NA	9280		5.3	**10800**		4.9	**18200**		5.0
Lead	400	400	450	40.9		0.60	21.3		0.55	10.7		0.56
Magnesium	NA	NA	NA	1610		76.3	2370		70.0	3730		70.9
Manganese	2000	2000	2000	102		0.31	178		0.28	391		0.29
Nickel	140	310	130	8.6		0.75	12.4		0.69	18.2		0.70
Potassium	NA	NA	NA	255	J	52.6	396	J	48.3	635	J	48.9
Selenium	36	180	4	1.2	U	1.2	1.1	U	1.1	1.1	U	1.1
Silver	36	180	8.3	0.30	U	0.30	0.28	U	0.28	0.28	U	0.28
Sodium	NA	NA	NA	569	J	76.2	226	J	69.9	280	J	70.8
Thallium	NA	NA	NA	1.2	U	1.2	1.1	U	1.1	1.1	U	1.1
Vanadium	100	NA	NA	14.4		1.2	17.2		1.1	24.4		1.1
Zinc	2200	10000	2480	29.6		0.51	29.1		0.47	32.1		0.48
SOIL BY 7471B(MG/KG)												
Mercury	0.81	0.81	0.73	0.096		0.013	0.046		0.012	0.14		0.012

Highlighted Concentrations shown in bold type face exceed limits
F1 : MS and/or MSD Recovery is outside acceptance limits.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil		
	Criteria	Criteria	Criteria						
Unit									
METALS-SOIL				Result	Q	MDL	Result	Q	MDL
SOIL BY 6010C(MG/KG)									
Aluminum	NA	NA	NA	24300		7.3	14700		9.1
Antimony	NA	NA	NA	0.43	J	0.42	0.53	U	0.53
Arsenic	NA	16	16	4.8		0.65	3.5		0.82
Barium	350	400	820	121		2.9	85.9		3.6
Beryllium	14	72	47	0.71		0.041	0.54		0.051
Cadmium	2.5	4.3	7.5	0.11	U	0.11	0.13	U	0.13
Calcium	NA	NA	NA	1980		90.3	1930		113
Chromium	NA	NA	NA	103		0.49	54.0		0.61
Cobalt	30	NA	NA	15.5		1.0	11.3		1.3
Copper	270	270	1720	**919**		1.0	32.4		1.2
Iron	2000	NA	NA	**30200**		4.8	**20200**		6.0
Lead	400	400	450	58.1		0.53	109		0.67
Magnesium	NA	NA	NA	15000		68.2	6640		85.3
Manganese	2000	2000	2000	232		0.27	173		0.34
Nickel	140	310	130	63.5		0.67	41.0		0.84
Potassium	NA	NA	NA	4090		47.1	1620		58.8
Selenium	36	180	4	1.1	U	1.1	1.3	U	1.3
Silver	36	180	8.3	0.27	U	0.27	0.34	U	0.34
Sodium	NA	NA	NA	496	J	68.1	522	J	85.1
Thallium	NA	NA	NA	1.0	U	1.0	1.3	U	1.3
Vanadium	100	NA	NA	87.1		1.1	40.1		1.3
Zinc	2200	10000	2480	317		0.46	98.0		0.57

SOIL BY 7471B(MG/KG)									
Mercury	0.81	0.81	0.73	**1.4**		0.026	**0.69**		0.012

Highlighted Concentrations shown in bold type face exceed limits
F1 : MS and/or MSD Recovery is outside acceptance limits.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135395-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	**PZ-EX-4-B8**			**PZ-EX-4-SWW**			**PZ-EX-4-SWS**		
Lab Sample ID	460-135395-1			460-135395-2			460-135395-3		
Sampling Date	06/15/2017 08:30:00			06/15/2017 08:40:00			06/15/2017 08:50:00		
Matrix	TCLP			TCLP			TCLP		
Unit									
METALS-TCLP	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
TCLP BY 6010C(UG/L)									
Lead	81.2		20.4	226		20.4	67.5		20.4
TCLP BY 7470A(UG/L)									
Mercury	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
TCLP SUMMARY									
Leachate Initial Amt	0.10003	Kg		0.10002	Kg		0.10004	Kg	
Leachate Final Amt	2	L		2	L		2	L	
Leachate Final pH	5.03	SU		4.97	SU		4.98	SU	

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
WETCHEM-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 9012B												
Cyanide, Total (mg/kg)	NA	NA	NA	0.044	J	0.030	0.032	U	0.032	0.11		0.029

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
WETCHEM-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 9012B												
Cyanide, Total (mg/kg)	NA	NA	NA	0.13		0.031	0.030	U	0.030	0.048	J	0.029

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
WETCHEM-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 9012B												
Cyanide, Total (mg/kg)	NA	NA	NA	0.028	U	0.028	0.029	U	0.029	0.030	U	0.030

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-SWW-2**			**PZ-EX-4-B8**			**PZ-EX-4-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135294-1			460-135395-1			460-135395-2		
Sampling Date	Residential	Restricted Residential	GW	06/14/2017 14:00:00			06/15/2017 08:30:00			06/15/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
WETCHEM-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 9012B												
Cyanide, Total (mg/kg)	NA	NA	NA	0.033	U	0.033	0.029	U	0.029	0.030	U	0.030

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil		
	Criteria	Criteria	Criteria						
WETCHEM-SOIL				Result	Q	MDL	Result	Q	MDL
SOIL BY 9012B									
Cyanide, Total (mg/kg)	NA	NA	NA	0.033	J	0.032	0.033	J	0.030

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

APPENDIX E: GROUNDWATER RESULTS AND PURGE DATA

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**		
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3		
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00		
Matrix				Water			Water			Water		
Dilution Factor				1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l		
VOA-8260C-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8260C												
1,1,1-Trichloroethane	5	0.28	U *	0.28	0.28	U *	0.28	0.28	U *	0.28		
1,1,2,2-Tetrachloroethane	5	0.19	U *	0.19	0.19	U *	0.19	0.19	U *	0.19		
1,1,2-Trichloroethane	NA	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080		
1,1-Dichloroethane	5	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24		
1,1-Dichloroethene	5	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34		
1,2,3-Trichlorobenzene	NA	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35		
1,2,4-Trichlorobenzene	5	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27		
1,2-Dibromo-3-Chloropropane	NA	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23		
1,2-Dibromoethane	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19		
1,2-Dichlorobenzene	4.7	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
1,2-Dichloroethane	5	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25		
1,2-Dichloropropane	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		
1,3-Dichlorobenzene	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33		
1,4-Dichlorobenzene	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33		
1,4-Dioxane	NA	8.7	U *	8.7	8.7	U *	8.7	8.7	U *	8.7		
2-Butanone	50	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2		
2-Hexanone	NA	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72		
4-Methyl-2-pentanone	50	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63		
Acetone	50	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1		
Benzene	0.7	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090		
Bromochloromethane	NA	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30		
Bromodichloromethane	NA	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15		
Bromoform	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**		
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3		
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00		
Matrix				Water			Water			Water		
Dilution Factor				1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l		
VOA-8260C-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8260C												
Bromomethane	NA	0.18	U *	0.18	0.18	U *	0.18	0.18	U *	0.18		
Carbon disulfide	50	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Carbon tetrachloride	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33		
Chlorobenzene	5	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24		
Chloroethane	50	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37		
Chloroform	7	0.36	J	0.22	0.37	J	0.22	0.22	U	0.22		
Chloromethane	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
cis-1,2-Dichloroethene	NA	0.26	U	0.26	0.66	J	0.26	0.96	J	0.26		
cis-1,3-Dichloropropene	NA	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16		
Cyclohexane	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26		
Dibromochloromethane	50	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Dichlorodifluoromethane	NA	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14		
Ethylbenzene	5	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30		
Freon TF	NA	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34		
Isopropylbenzene	NA	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32		
m&p-Xylene	NA	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28		
Methyl acetate	NA	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58		
Methylcyclohexane	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Methylene Chloride	5	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21		
MTBE	NA	0.41	J	0.13	0.13	U	0.13	0.13	U	0.13		
o-Xylene	NA	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32		
Styrene	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17		
Tetrachloroethene	5	1.2		0.12	**5.7**		0.12	4.0		0.12		
Toluene	5	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25		
trans-1,2-Dichloroethene	5	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		
trans-1,3-Dichloropropene	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19		
Trichloroethene	5	0.22	U	0.22	0.86	J	0.22	1.6		0.22		
Trichlorofluoromethane	NA	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15		
Vinyl chloride	2	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060		
Total Conc	NA	1.97			7.59			6.56				
Total Estimated Conc. (TICs)	NA	0.0*T			0.0*T			0.0*T				

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : LCS or LCSD is outside acceptance limits.
* : RPD of the LCS and LCSD exceeds the control limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-25**			**MW-34**			**DUP**			**MW-103D**			**MW-102S**		
Lab Sample ID	Groundwater			460-136402-4			460-136402-5			460-136402-6			460-138267-1			460-138267-2		
Sampling Date	Criteria			06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00			07/31/2017 11:00:00		
Matrix				Water			Water			Water			Water			Water		
Dilution Factor				1			1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l			ug/l		
VOA-8260C-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8260C																		
1,1,1-Trichloroethane	5	2.9	*	0.28	0.28	U	0.28	0.28	U *	0.28	0.28	U	0.28	0.28	U	0.28		
1,1,2,2-Tetrachloroethane	5	0.19	U *	0.19	0.19	U *	0.19	0.19	U *	0.19	0.19	U	0.19	0.19	U	0.19		
1,1,2-Trichloroethane	NA	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080		
1,1-Dichloroethane	5	0.69	J	0.24	1.5		0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24		
1,1-Dichloroethene	5	0.86	J	0.34	0.45	J	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34		
1,2,3-Trichlorobenzene	NA	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35		
1,2,4-Trichlorobenzene	5	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27		
1,2-Dibromo-3-Chloropropane	NA	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23		
1,2-Dibromoethane	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19		
1,2-Dichlorobenzene	4.7	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
1,2-Dichloroethane	5	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25		
1,2-Dichloropropane	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		
1,3-Dichlorobenzene	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33		
1,4-Dichlorobenzene	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33		
1,4-Dioxane	NA	8.7	U *	8.7	8.7	U *	8.7	8.7	U *	8.7	8.7	U	8.7	8.7	U	8.7		
2-Butanone	50	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2		
2-Hexanone	NA	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72		
4-Methyl-2-pentanone	50	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63		
Acetone	50	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	4.4	J	1.1	2.8	J	1.1		
Benzene	0.7	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090		
Bromochloromethane	NA	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30		
Bromodichloromethane	NA	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.39	J	0.15	0.15	U	0.15		
Bromoform	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-25**			**MW-34**			**DUP**			**MW-103D**			**MW-102S**		
Lab Sample ID	Groundwater			460-136402-4			460-136402-5			460-136402-6			460-138267-1			460-138267-2		
Sampling Date	Criteria			06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00			07/31/2017 11:00:00		
Matrix				Water			Water			Water			Water			Water		
Dilution Factor				1			1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l			ug/l		
VOA-8260C-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8260C																		
Bromomethane	NA	0.18	U *	0.18	0.18	U	0.18	0.18	U *	0.18	0.18	U	0.18	0.18	U	0.18		
Carbon disulfide	50	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Carbon tetrachloride	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33		
Chlorobenzene	5	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24		
Chloroethane	50	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37		
Chloroform	7	0.39	J	0.22	0.22	U	0.22	0.44	J	0.22	**8.8**		0.22	0.82	J	0.22		
Chloromethane	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
cis-1,2-Dichloroethene	NA	3.0		0.26	0.36	J	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26		
cis-1,3-Dichloropropene	NA	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16		
Cyclohexane	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26		
Dibromochloromethane	50	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Dichlorodifluoromethane	NA	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14		
Ethylbenzene	5	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30		
Freon TF	NA	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34		
Isopropylbenzene	NA	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32		
m&p-Xylene	NA	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28		
Methyl acetate	NA	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58		
Methylcyclohexane	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Methylene Chloride	5	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21		
MTBE	NA	0.13	U	0.13	0.13	U	0.13	0.52	J	0.13	0.13	U	0.13	0.13	U	0.13		
o-Xylene	NA	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32		
Styrene	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17		
Tetrachloroethene	5	**10**		0.12	0.12	U	0.12	1.1		0.12	0.12	U	0.12	0.12	U	0.12		
Toluene	5	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25		
trans-1,2-Dichloroethene	5	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		
trans-1,3-Dichloropropene	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19		
Trichloroethene	5	**10**		0.22	2.4		0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Trichlorofluoromethane	NA	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15		
Vinyl chloride	2	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060		
Total Conc	NA	27.84			4.71			2.06			13.59			3.62				
Total Estimated Conc. (TICs)	NA	0.0*T			0.0*T			0.0*T			29.7			0.0*T				

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : LCS or LCSD is outside acceptance limits.
* : RPD of the LCS and LCSD exceeds the control limits
J : Result is less than the RL but greater than or equal to the MDL anc
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**DUP**			**MW-104D**			**MW-101S**			**MW-105S**			**DUP**		
Lab Sample ID	Groundwater			460-138267-4			460-138307-1			460-139175-1			460-139175-2			460-139175-3		
Sampling Date	Criteria			07/31/2017 00:00:00			08/01/2017 10:00:00			08/14/2017 09:30:00			08/14/2017 12:00:00			08/14/2017 00:00:00		
Matrix				Water			Water			Water			Water			Water		
Dilution Factor				1			1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l			ug/l		
VOA-8260C-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8260C																			
1,1,1-Trichloroethane	5	0.28	U	0.28	0.28	U	0.28	**100**		0.28	0.28	U	0.28	**95**		0.28			
1,1,2,2-Tetrachloroethane	5	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19			
1,1,2-Trichloroethane	NA	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080			
1,1-Dichloroethane	5	0.24	U	0.24	0.24	U	0.24	**9.9**		0.24	0.24	U	0.24	**10**		0.24			
1,1-Dichloroethene	5	0.34	U	0.34	0.34	U	0.34	**18**		0.34	0.34	U	0.34	**17**		0.34			
1,2,3-Trichlorobenzene	NA	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35			
1,2,4-Trichlorobenzene	5	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27			
1,2-Dibromo-3-Chloropropane	NA	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23			
1,2-Dibromoethane	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19			
1,2-Dichlorobenzene	4.7	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
1,2-Dichloroethane	5	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25			
1,2-Dichloropropane	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18			
1,3-Dichlorobenzene	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33			
1,4-Dichlorobenzene	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33			
1,4-Dioxane	NA	8.7	U	8.7	8.7	U	8.7	8.7	U	8.7	8.7	U	8.7	8.7	U	8.7			
2-Butanone	50	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2			
2-Hexanone	NA	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72			
4-Methyl-2-pentanone	50	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63			
Acetone	50	4.6	J	1.1	3.7	J	1.1	1.1	U	1.1	2.2	J	1.1	1.1	U	1.1			
Benzene	0.7	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090			
Bromochloromethane	NA	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30			
Bromodichloromethane	NA	0.32	J	0.15	0.48	J	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15			
Bromoform	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18			

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**DUP**			**MW-104D**			**MW-101S**			**MW-105S**			**DUP**		
Lab Sample ID	Groundwater			460-138267-4			460-138307-1			460-139175-1			460-139175-2			460-139175-3		
Sampling Date	Criteria			07/31/2017 00:00:00			08/01/2017 10:00:00			08/14/2017 09:30:00			08/14/2017 12:00:00			08/14/2017 00:00:00		
Matrix				Water			Water			Water			Water			Water		
Dilution Factor				1			1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l			ug/l		
VOA-8260C-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8260C																			
Bromomethane	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18			
Carbon disulfide	50	0.22	U	0.22	0.47	J	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
Carbon tetrachloride	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33			
Chlorobenzene	5	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24			
Chloroethane	50	0.37	U	0.37	0.37	U	0.37	0.37	U *	0.37	0.37	U *	0.37	0.37	U *	0.37			
Chloroform	7	**7.7**		0.22	**18**		0.22	0.73	J	0.22	0.22	U	0.22	0.71	J	0.22			
Chloromethane	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
cis-1,2-Dichloroethene	NA	0.26	U	0.26	0.26	U	0.26	5.1		0.26	0.26	U	0.26	5.3		0.26			
cis-1,3-Dichloropropene	NA	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16			
Cyclohexane	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26			
Dibromochloromethane	50	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
Dichlorodifluoromethane	NA	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14			
Ethylbenzene	5	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30			
Freon TF	NA	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34			
Isopropylbenzene	NA	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32			
m&p-Xylene	NA	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28			
Methyl acetate	NA	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58			
Methylcyclohexane	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
Methylene Chloride	5	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21			
MTBE	NA	0.13	U	0.13	0.90	J	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13			
o-Xylene	NA	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32			
Styrene	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17			
Tetrachloroethene	5	0.12	U	0.12	0.12	U	0.12	**10**		0.12	0.70	J	0.12	**9.7**		0.12			
Toluene	5	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25			
trans-1,2-Dichloroethene	5	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18			
trans-1,3-Dichloropropene	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19			
Trichloroethene	5	0.22	U	0.22	0.22	U	0.22	**260**		0.22	0.81	J	0.22	**250**		0.22			
Trichlorofluoromethane	NA	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15			
Vinyl chloride	2	0.060	U	0.060	0.060	U	0.060	0.17	J	0.060	0.060	U	0.060	0.17	J	0.060			
Total Conc	NA	12.62			23.55			403.9			3.71			387.88					
Total Estimated Conc. (TICs)	NA	36.2			0.0*T			0.0*T			0.0*T			0.0*T					

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : LCS or LCSD is outside acceptance limits.
* : RPD of the LCS and LCSD exceeds the control limits
J : Result is less than the RL but greater than or equal to the MDL and
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**		
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3		
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00		
Matrix				Water			Water			Water		
Dilution Factor				1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l		
SVOA-8270D-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8270D												
1,2,4,5-Tetrachlorobenzene	NA	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43		
2,2'-oxybis[1-chloropropane]	NA	0.93	U	0.93	0.93	U	0.93	0.93	U	0.93		
2,3,4,6-Tetrachlorophenol	NA	0.69	U	0.69	0.69	U	0.69	0.69	U	0.69		
2,4,5-Trichlorophenol	1	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49		
2,4,6-Trichlorophenol	NA	0.53	U	0.53	0.53	U	0.53	0.53	U	0.53		
2,4-Dichlorophenol	1	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63		
2,4-Dimethylphenol	NA	0.91	U	0.91	0.91	U	0.91	0.91	U	0.91		
2,4-Dinitrophenol	5	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4		
2,4-Dinitrotoluene	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
2,6-Dinitrotoluene	5	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88		
2-Chloronaphthalene	NA	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61		
2-Chlorophenol	50	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74		
2-Methylnaphthalene	50	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88		
2-Methylphenol	5	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3		
2-Nitroaniline	5	0.65	U	0.65	0.65	U	0.65	0.65	U	0.65		
2-Nitrophenol	5	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59		
3,3'-Dichlorobenzidine	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
3-Nitroaniline	5	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82		
4,6-Dinitro-2-methylphenol	NA	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0		
4-Bromophenyl phenyl ether	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
4-Chloro-3-methylphenol	5	0.76	U	0.76	0.76	U	0.76	0.76	U	0.76		
4-Chloroaniline	5	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73		
4-Chlorophenyl phenyl ether	NA	0.96	U	0.96	0.96	U	0.96	0.96	U	0.96		
4-Methylphenol	50	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87		
4-Nitroaniline	NA	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48		
4-Nitrophenol	5	4.7	U	4.7	4.7	U	4.7	4.7	U	4.7		
Acenaphthene	20	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88		
Acenaphthylene	20	0.65	U	0.65	0.65	U	0.65	0.65	U	0.65		
Acetophenone	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
Anthracene	50	0.57	U	0.57	0.57	U	0.57	0.57	U	0.57		
Atrazine	NA	0.77	U	0.77	0.77	U	0.77	0.77	U	0.77		
Benzaldehyde	NA	0.86	U	0.86	0.86	U	0.86	0.86	U	0.86		
Benzo[a]anthracene	0.002	0.55	U	0.55	0.55	U	0.55	0.55	U	0.55		
Benzo[a]pyrene	0.002	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16		
Benzo[b]fluoranthene	0.002	0.44	U	0.44	0.44	U	0.44	0.44	U	0.44		
Benzo[g,h,i]perylene	5	0.75	U	0.75	0.75	U	0.75	0.75	U	0.75		

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**		
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3		
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00		
Matrix				Water			Water			Water		
Dilution Factor				1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l		
SVOA-8270D-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8270D												
Benzo[k]fluoranthene	0.002	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		
Bis(2-chloroethoxy)methane	NA	0.69	U	0.69	0.69	U	0.69	0.69	U	0.69		
Bis(2-chloroethyl)ether	NA	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12		
Bis(2-ethylhexyl) phthalate	50	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72		
Butyl benzyl phthalate	50	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60		
Caprolactam	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1		
Carbazole	NA	0.85	U	0.85	0.85	U	0.85	0.85	U	0.85		
Chrysene	0.002	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67		
Dibenz(a,h)anthracene	50	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090		
Dibenzofuran	5	0.85	U	0.85	0.85	U	0.85	0.85	U	0.85		
Diethyl phthalate	50	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
Dimethyl phthalate	50	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98		
Di-n-butyl phthalate	50	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82		
Di-n-octyl phthalate	50	0.69	U	0.69	0.69	U	0.69	0.69	U	0.69		
Diphenyl	NA	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63		
Fluoranthene	50	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72		
Fluorene	50	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80		
Hexachlorobenzene	0.35	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47		
Hexachlorobutadiene	NA	0.76	U	0.76	0.76	U	0.76	0.76	U	0.76		
Hexachlorocyclopentadiene	NA	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61		
Hexachloroethane	NA	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090		
Indeno[1,2,3-cd]pyrene	0.002	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21		
Isophorone	50	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67		
Naphthalene	10	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80		
Nitrobenzene	5	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49		
N-Nitrosodi-n-propylamine	NA	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83		
N-Nitrosodiphenylamine	NA	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74		
Pentachlorophenol	1	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2		
Phenanthrene	50	0.65	U	0.65	0.65	U	0.65	0.65	U	0.65		
Phenol	1	0.41	U	0.41	0.41	U	0.41	0.41	U	0.41		
Pyrene	50	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83		
Total Conc	NA	0.0			0.0			0.0				
Total Estimated Conc. (TICs)	NA	16.3			0.0*T			0.0*T				

*T There are no TICs reported for the sample
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
X : Surrogate is outside control limits

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-25**			**MW-34**			**DUP**			**MW-103D**			**DUP**		
Lab Sample ID	Groundwater	460-136402-4			460-136402-5			460-136402-6			460-138267-1			460-138267-4		
Sampling Date	Criteria	06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00			07/31/2017 00:00:00		
Matrix		Water			Water			Water			Water			Water		
Dilution Factor		1			1			1			1			1		
Unit	ug/l	ug/l			ug/l			ug/l			ug/l			ug/l		
SVOA-8270D-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8270D																
1,2,4,5-Tetrachlorobenzene	NA	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43	0.45	U	0.45	0.43	U	0.43
2,2'-oxybis[1-chloropropane]	NA	0.93	U	0.93	0.93	U	0.93	0.93	U	0.93	0.97	U	0.97	0.93	U	0.93
2,3,4,6-Tetrachlorophenol	NA	0.69	U	0.69	0.69	U	0.69	0.69	U	0.69	0.72	U	0.72	0.69	U	0.69
2,4,5-Trichlorophenol	1	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49	0.51	U	0.51	0.49	U	0.49
2,4,6-Trichlorophenol	NA	0.53	U	0.53	0.53	U	0.53	0.53	U	0.53	0.55	U	0.55	0.53	U	0.53
2,4-Dichlorophenol	1	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.66	U	0.66	0.63	U	0.63
2,4-Dimethylphenol	NA	0.91	U	0.91	0.91	U	0.91	0.91	U	0.91	0.95	U	0.95	0.91	U	0.91
2,4-Dinitrophenol	5	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.5	U	2.5	2.4	U	2.4
2,4-Dinitrotoluene	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.0	U	1.0
2,6-Dinitrotoluene	5	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.92	U	0.92	0.88	U	0.88
2-Chloronaphthalene	NA	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.64	U	0.64	0.61	U	0.61
2-Chlorophenol	50	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.77	U	0.77	0.74	U	0.74
2-Methylnaphthalene	50	1.1	J	0.88	0.88	U	0.88	0.88	U	0.88	0.92	U	0.92	0.88	U	0.88
2-Methylphenol	5	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
2-Nitroaniline	5	0.65	U	0.65	0.65	U	0.65	0.65	U	0.65	0.68	U	0.68	0.65	U	0.65
2-Nitrophenol	5	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	0.61	U	0.61	0.59	U	0.59
3,3'-Dichlorobenzidine	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.0	U	1.0
3-Nitroaniline	5	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.85	U	0.85	0.82	U	0.82
4,6-Dinitro-2-methylphenol	NA	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.1	U	2.1	2.0	U	2.0
4-Bromophenyl phenyl ether	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.0	U	1.0
4-Chloro-3-methylphenol	5	0.76	U	0.76	0.76	U	0.76	0.76	U	0.76	0.79	U	0.79	0.76	U	0.76
4-Chloroaniline	5	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.76	U	0.76	0.73	U	0.73
4-Chlorophenyl phenyl ether	NA	0.96	U	0.96	0.96	U	0.96	0.96	U	0.96	1.0	U	1.0	0.96	U	0.96
4-Methylphenol	50	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.91	U	0.91	0.87	U	0.87
4-Nitroaniline	NA	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.50	U	0.50	0.48	U	0.48
4-Nitrophenol	5	4.7	U	4.7	4.7	U	4.7	4.7	U	4.7	4.8	U	4.8	4.7	U	4.7
Acenaphthene	20	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.92	U	0.92	0.88	U	0.88
Acenaphthylene	20	0.65	U	0.65	0.65	U	0.65	0.65	U	0.65	0.68	U	0.68	0.65	U	0.65
Acetophenone	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.0	U	1.0
Anthracene	50	0.57	U	0.57	0.57	U	0.57	0.57	U	0.57	0.59	U	0.59	0.57	U	0.57
Atrazine	NA	0.77	U	0.77	0.77	U	0.77	0.77	U	0.77	0.80	U	0.80	0.77	U	0.77
Benzaldehyde	NA	0.86	U	0.86	0.86	U	0.86	0.86	U	0.86	0.90	U	0.90	0.86	U	0.86
Benzo[a]anthracene	0.002	0.55	U	0.55	0.55	U	0.55	0.55	U	0.55	0.57	U	0.57	0.55	U	0.55
Benzo[a]pyrene	0.002	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.17	U	0.17	0.16	U	0.16
Benzo[b]fluoranthene	0.002	0.44	U	0.44	0.44	U	0.44	0.44	U	0.44	0.46	U	0.46	0.44	U	0.44
Benzo[g,h,i]perylene	5	0.75	U	0.75	0.75	U	0.75	0.75	U	0.75	0.78	U	0.78	0.75	U	0.75

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-25**			**MW-34**			**DUP**			**MW-103D**			**DUP**		
Lab Sample ID	Groundwater			460-136402-4			460-136402-5			460-136402-6			460-138267-1			460-138267-4		
Sampling Date	Criteria			06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00			07/31/2017 00:00:00		
Matrix				Water			Water			Water			Water			Water		
Dilution Factor				1			1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l			ug/l		
SVOA-8270D-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8270D																		
Benzo[k]fluoranthene	0.002	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.19	U	0.19	0.18	U	0.18
Bis(2-chloroethoxy)methane	NA	0.69	U	0.69	0.69	U	0.69	0.69	U	0.69	0.72	U	0.72	0.69	U	0.69
Bis(2-chloroethyl)ether	NA	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.13	U	0.13	0.12	U	0.12
Bis(2-ethylhexyl) phthalate	50	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.75	U	0.75	0.72	U	0.72
Butyl benzyl phthalate	50	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.63	U	0.63	0.60	U	0.60
Caprolactam	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Carbazole	NA	0.85	U	0.85	0.85	U	0.85	0.85	U	0.85	0.89	U	0.89	0.85	U	0.85
Chrysene	0.002	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.70	U	0.70	0.67	U	0.67
Dibenz(a,h)anthracene	50	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.094	U	0.094	0.090	U	0.090
Dibenzofuran	5	0.85	U	0.85	0.85	U	0.85	0.85	U	0.85	0.89	U	0.89	0.85	U	0.85
Diethyl phthalate	50	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Dimethyl phthalate	50	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	1.0	U	1.0	0.98	U	0.98
Di-n-butyl phthalate	50	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	2.0	J B	0.85	1.1	J B	0.82
Di-n-octyl phthalate	50	0.69	U	0.69	0.69	U	0.69	0.69	U	0.69	0.72	U	0.72	0.69	U	0.69
Diphenyl	NA	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.66	U	0.66	0.63	U	0.63
Fluoranthene	50	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.75	U	0.75	0.72	U	0.72
Fluorene	50	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80	0.83	U	0.83	0.80	U	0.80
Hexachlorobenzene	0.35	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.49	U	0.49	0.47	U	0.47
Hexachlorobutadiene	NA	0.76	U	0.76	0.76	U	0.76	0.76	U	0.76	0.79	U	0.79	0.76	U	0.76
Hexachlorocyclopentadiene	NA	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.64	U	0.64	0.61	U	0.61
Hexachloroethane	NA	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.094	U	0.094	0.090	U	0.090
Indeno[1,2,3-cd]pyrene	0.002	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.22	U	0.22	0.21	U	0.21
Isophorone	50	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.70	U	0.70	0.67	U	0.67
Naphthalene	10	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80	0.83	U	0.83	0.80	U	0.80
Nitrobenzene	5	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49	0.51	U	0.51	0.49	U	0.49
N-Nitrosodi-n-propylamine	NA	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83	0.86	U	0.86	0.83	U	0.83
N-Nitrosodiphenylamine	NA	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.77	U	0.77	0.74	U	0.74
Pentachlorophenol	1	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.3	U	2.3	2.2	U	2.2
Phenanthrene	50	0.65	U	0.65	0.65	U	0.65	0.65	U	0.65	0.68	U	0.68	0.65	U	0.65
Phenol	1	0.41	U	0.41	0.41	U	0.41	0.41	U	0.41	0.43	U	0.43	0.41	U	0.41
Pyrene	50	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83	0.86	U	0.86	0.83	U	0.83
Total Conc	NA	1.1			0.0			0.0			2.0			1.1		
Total Estimated Conc. (TICs)	NA	130.8			0.0*T			0.0*T			7.2			0.0*T		

*T There are no TICs reported for the sample
J : Result is less than the RL but greater than or equal to the MDL and
U : Indicates the analyte was analyzed for but not detected.
X : Surrogate is outside control limits

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-104D**			**MW-101S**			**MW-105S**			**DUP**		
Lab Sample ID	Groundwater			460-138307-1			460-139175-1			460-139175-2			460-139175-3		
Sampling Date	Criteria			08/01/2017 10:00:00			08/14/2017 09:30:00			08/14/2017 12:00:00			08/14/2017 00:00:00		
Matrix				Water			Water			Water			Water		
Dilution Factor				1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l		
SVOA-8270D-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8270D													
1,2,4,5-Tetrachlorobenzene	NA	0.45	U	0.45	0.45	U	0.45	0.45	U	0.45	0.45	U	0.45
2,2'-oxybis[1-chloropropane]	NA	0.97	U	0.97	0.97	U	0.97	0.97	U	0.97	0.97	U	0.97
2,3,4,6-Tetrachlorophenol	NA	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72
2,4,5-Trichlorophenol	1	0.51	U	0.51	0.51	U	0.51	0.51	U	0.51	0.51	U	0.51
2,4,6-Trichlorophenol	NA	0.55	U	0.55	0.55	U	0.55	0.55	U	0.55	0.55	U	0.55
2,4-Dichlorophenol	1	0.66	U	0.66	0.66	U	0.66	0.66	U	0.66	0.66	U	0.66
2,4-Dimethylphenol	NA	0.95	U	0.95	0.95	U	0.95	0.95	U	0.95	0.95	U	0.95
2,4-Dinitrophenol	5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5
2,4-Dinitrotoluene	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
2,6-Dinitrotoluene	5	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
2-Chloronaphthalene	NA	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
2-Chlorophenol	50	0.77	U	0.77	0.77	U	0.77	0.77	U	0.77	0.77	U	0.77
2-Methylnaphthalene	50	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
2-Methylphenol	5	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
2-Nitroaniline	5	0.68	U	0.68	0.68	U	0.68	0.68	U	0.68	0.68	U	0.68
2-Nitrophenol	5	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61
3,3'-Dichlorobenzidine	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
3-Nitroaniline	5	0.85	U	0.85	0.85	U	0.85	0.85	U	0.85	0.85	U	0.85
4,6-Dinitro-2-methylphenol	NA	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
4-Bromophenyl phenyl ether	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
4-Chloro-3-methylphenol	5	0.79	U	0.79	0.79	U	0.79	0.79	U	0.79	0.79	U	0.79
4-Chloroaniline	5	0.76	U	0.76	0.76	U	0.76	0.76	U	0.76	0.76	U	0.76
4-Chlorophenyl phenyl ether	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
4-Methylphenol	50	0.91	U	0.91	0.91	U	0.91	0.91	U	0.91	0.91	U	0.91
4-Nitroaniline	NA	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50
4-Nitrophenol	5	4.8	U	4.8	4.8	U	4.8	4.8	U	4.8	4.8	U	4.8
Acenaphthene	20	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Acenaphthylene	20	0.68	U	0.68	0.68	U	0.68	0.68	U	0.68	0.68	U	0.68
Acetophenone	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Anthracene	50	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59
Atrazine	NA	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80
Benzaldehyde	NA	0.90	U	0.90	0.90	U	0.90	0.90	U	0.90	0.90	U	0.90
Benzo[a]anthracene	0.002	0.57	U	0.57	0.57	U	0.57	0.57	U	0.57	0.57	U	0.57
Benzo[a]pyrene	0.002	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
Benzo[b]fluoranthene	0.002	0.46	U	0.46	0.46	U	0.46	0.46	U	0.46	0.46	U	0.46
Benzo[g,h,i]perylene	5	0.78	U	0.78	0.78	U *	0.78	0.78	U *	0.78	0.78	U *	0.78

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-104D**			**MW-101S**			**MW-105S**			**DUP**		
Lab Sample ID	Groundwater			460-138307-1			460-139175-1			460-139175-2			460-139175-3		
Sampling Date	Criteria			08/01/2017 10:00:00			08/14/2017 09:30:00			08/14/2017 12:00:00			08/14/2017 00:00:00		
Matrix				Water			Water			Water			Water		
Dilution Factor				1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l		
SVOA-8270D-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8270D															
Benzo[k]fluoranthene	0.002	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19		
Bis(2-chloroethoxy)methane	NA	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72		
Bis(2-chloroethyl)ether	NA	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13		
Bis(2-ethylhexyl) phthalate	50	0.75	U	0.75	0.75	U	0.75	0.75	U	0.75	0.75	U	0.75		
Butyl benzyl phthalate	50	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63		
Caprolactam	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1		
Carbazole	NA	0.89	U	0.89	0.89	U	0.89	0.89	U	0.89	0.89	U	0.89		
Chrysene	0.002	0.70	U	0.70	0.70	U	0.70	0.70	U	0.70	0.70	U	0.70		
Dibenz(a,h)anthracene	50	0.094	U	0.094	0.094	U	0.094	0.094	U	0.094	0.094	U	0.094		
Dibenzofuran	5	0.89	U	0.89	0.89	U	0.89	0.89	U	0.89	0.89	U	0.89		
Diethyl phthalate	50	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
Dimethyl phthalate	50	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
Di-n-butyl phthalate	50	0.85	U	0.85	0.95	J	0.85	1.1	J	0.85	0.85	U	0.85		
Di-n-octyl phthalate	50	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72		
Diphenyl	NA	0.66	U	0.66	0.66	U	0.66	0.66	U	0.66	0.66	U	0.66		
Fluoranthene	50	0.75	U	0.75	0.75	U	0.75	0.75	U	0.75	0.75	U	0.75		
Fluorene	50	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83		
Hexachlorobenzene	0.35	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49		
Hexachlorobutadiene	NA	0.79	U	0.79	0.79	U	0.79	0.79	U	0.79	0.79	U	0.79		
Hexachlorocyclopentadiene	NA	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64		
Hexachloroethane	NA	0.094	U	0.094	0.094	U	0.094	0.094	U	0.094	0.094	U	0.094		
Indeno[1,2,3-cd]pyrene	0.002	0.22	U	0.22	0.22	U *	0.22	0.22	U *	0.22	0.22	U *	0.22		
Isophorone	50	0.70	U	0.70	0.70	U	0.70	0.70	U	0.70	0.70	U	0.70		
Naphthalene	10	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83		
Nitrobenzene	5	0.51	U	0.51	0.51	U	0.51	0.51	U	0.51	0.51	U	0.51		
N-Nitrosodi-n-propylamine	NA	0.86	U	0.86	0.86	U	0.86	0.86	U	0.86	0.86	U	0.86		
N-Nitrosodiphenylamine	NA	0.77	U	0.77	0.77	U	0.77	0.77	U	0.77	0.77	U	0.77		
Pentachlorophenol	1	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3		
Phenanthrene	50	0.68	U	0.68	0.68	U	0.68	0.68	U	0.68	0.68	U	0.68		
Phenol	1	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43		
Pyrene	50	0.86	U	0.86	0.86	U	0.86	0.86	U	0.86	0.86	U	0.86		
Total Conc	NA	0.0			0.95			1.1			0.0				
Total Estimated Conc. (TICs)	NA	32.0			0.0*T			0.0*T			0.0*T				

*T There are no TICs reported for the sample
J : Result is less than the RL but greater than or equal to the MDL anc
U : Indicates the analyte was analyzed for but not detected.
X : Surrogate is outside control limits

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**	
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3	
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00	
Matrix				Water			Water			Water	
Dilution Factor				1			1			1	
Unit	ug/l			ug/l			ug/l			ug/l	
GCSVOA-8081B-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	
WATER BY 8081B											
4,4'-DDD	0.01	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060	
4,4'-DDE	0.01	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	
4,4'-DDT	0.01	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	
Aldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	
alpha-BHC	0.05	0.0070	U	0.0070	0.0070	U	0.0070	0.0070	U	0.0070	
beta-BHC	0.05	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	
Chlordane (technical)	0.1	0.055	U	0.055	0.055	U	0.055	0.055	U	0.055	
delta-BHC	0.05	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050	
Dieldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	
Endosulfan I	0.1	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	
Endosulfan II	0.1	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	
Endosulfan sulfate	0.1	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060	
Endrin	0.01	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	
Endrin aldehyde	NA	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080	
Endrin ketone	NA	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080	
gamma-BHC (Lindane)	0.05	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012	
Heptachlor	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	
Heptachlor epoxide	0.01	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050	
Methoxychlor	35	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	
Toxaphene	NA	0.11	U	0.11	0.11	U	0.11	0.11	U	0.11	

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-25**			**MW-34**			**DUP**			**MW-103D**		
Lab Sample ID	Groundwater	460-136402-4			460-136402-5			460-136402-6			460-138267-1		
Sampling Date	Criteria	06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00		
Matrix		Water			Water			Water			Water		
Dilution Factor		1			1			1			1		
Unit	ug/l	ug/l			ug/l			ug/l			ug/l		
GCSVOA-8081B-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8081B													
4,4'-DDD	0.01	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060
4,4'-DDE	0.01	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020
4,4'-DDT	0.01	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Aldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030
alpha-BHC	0.05	0.0070	U	0.0070	0.0070	U	0.0070	0.0070	U	0.0070	0.0070	U	0.0070
beta-BHC	0.05	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Chlordane (technical)	0.1	0.055	U	0.055	0.055	U	0.055	0.055	U	0.055	0.055	U	0.055
delta-BHC	0.05	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050
Dieldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030
Endosulfan I	0.1	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020
Endosulfan II	0.1	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Endosulfan sulfate	0.1	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060
Endrin	0.01	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Endrin aldehyde	NA	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080
Endrin ketone	NA	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080
gamma-BHC (Lindane)	0.05	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012
Heptachlor	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030
Heptachlor epoxide	0.01	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050
Methoxychlor	35	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Toxaphene	NA	0.11	U	0.11	0.11	U	0.11	0.11	U	0.11	0.11	U	0.11

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-102S**			**DUP**			**MW-104D**			**MW-101S**		
Lab Sample ID	Groundwater			460-138267-2			460-138267-4			460-138307-1			460-139175-1		
Sampling Date	Criteria			07/31/2017 11:00:00			07/31/2017 00:00:00			08/01/2017 10:00:00			08/14/2017 09:30:00		
Matrix				Water			Water			Water			Water		
Dilution Factor				1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l		
GCSVOA-8081B-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8081B													
4,4'-DDD	0.01	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060
4,4'-DDE	0.01	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020
4,4'-DDT	0.01	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Aldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030
alpha-BHC	0.05	0.0070	U	0.0070	0.0070	U	0.0070	0.0070	U	0.0070	0.0070	U	0.0070
beta-BHC	0.05	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Chlordane (technical)	0.1	0.055	U	0.055	0.055	U	0.055	0.055	U	0.055	0.055	U	0.055
delta-BHC	0.05	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050
Dieldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030
Endosulfan I	0.1	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020
Endosulfan II	0.1	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Endosulfan sulfate	0.1	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060
Endrin	0.01	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Endrin aldehyde	NA	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080
Endrin ketone	NA	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080
gamma-BHC (Lindane)	0.05	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012
Heptachlor	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030
Heptachlor epoxide	0.01	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050
Methoxychlor	35	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Toxaphene	NA	0.11	U	0.11	0.11	U	0.11	0.11	U	0.11	0.11	U	0.11

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-105S**			**DUP**
Lab Sample ID	Groundwater			460-139175-2			460-139175-3
Sampling Date	Criteria			08/14/2017 12:00:00			08/14/2017 00:00:00
Matrix				Water			Water
Dilution Factor				1			1
Unit	ug/l			ug/l			ug/l
GCSVOA-8081B-WATER		Result	Q	MDL	Result	Q	MDL
WATER BY 8081B							
4,4'-DDD	0.01	0.0060	U	0.0060	0.0060	U	0.0060
4,4'-DDE	0.01	0.0020	U	0.0020	0.0020	U	0.0020
4,4'-DDT	0.01	0.0040	U	0.0040	0.0040	U	0.0040
Aldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030
alpha-BHC	0.05	0.0070	U	0.0070	0.0070	U	0.0070
beta-BHC	0.05	0.0040	U	0.0040	0.0040	U	0.0040
Chlordane (technical)	0.1	0.055	U	0.055	0.055	U	0.055
delta-BHC	0.05	0.0050	U	0.0050	0.0050	U	0.0050
Dieldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030
Endosulfan I	0.1	0.0020	U	0.0020	0.0020	U	0.0020
Endosulfan II	0.1	0.0040	U	0.0040	0.0040	U	0.0040
Endosulfan sulfate	0.1	0.0060	U	0.0060	0.0060	U	0.0060
Endrin	0.01	0.0040	U	0.0040	0.0040	U	0.0040
Endrin aldehyde	NA	0.0080	U	0.0080	0.0080	U	0.0080
Endrin ketone	NA	0.0080	U	0.0080	0.0080	U	0.0080
gamma-BHC (Lindane)	0.05	0.012	U	0.012	0.012	U	0.012
Heptachlor	0.01	0.0030	U	0.0030	0.0030	U	0.0030
Heptachlor epoxide	0.01	0.0050	U	0.0050	0.0050	U	0.0050
Methoxychlor	35	0.0040	U	0.0040	0.0040	U	0.0040
Toxaphene	NA	0.11	U	0.11	0.11	U	0.11

U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**	
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3	
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00	
Matrix				Water			Water			Water	
Dilution Factor				1			1			1	
Unit	ug/l			ug/l			ug/l			ug/l	
GCSVOA-8082A-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	
WATER BY 8082A											
Aroclor 1016	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	
Aroclor 1221	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	
Aroclor 1232	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	
Aroclor 1242	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	
Aroclor 1248	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	
Aroclor 1254	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	
Aroclor 1260	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	
Aroclor 1268	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	
Aroclor-1262	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	
Total PCBs	0.1	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
Elizabeth Flannery
Project Management Assistant I
(732)549-3900

Grace Chang
Project Manager II
(732)593-2579

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-25**			**MW-34**			**DUP**			**MW-103D**		
Lab Sample ID	Groundwater	460-136402-4			460-136402-5			460-136402-6			460-138267-1		
Sampling Date	Criteria	06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00		
Matrix		Water			Water			Water			Water		
Dilution Factor		1			1			1			1		
Unit	ug/l	ug/l			ug/l			ug/l			ug/l		
GCSVOA-8082A-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8082A													
Aroclor 1016	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1221	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1232	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1242	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1248	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1254	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor 1260	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor 1268	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor-1262	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Total PCBs	0.1	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
Elizabeth Flannery
Project Management Assistant I
(732)549-3900

Grace Chang
Project Manager II
(732)593-2579

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-102S**			**DUP**			**MW-104D**			**MW-101S**
Lab Sample ID	Groundwater			460-138267-2			460-138267-4			460-138307-1			460-139175-1
Sampling Date	Criteria			07/31/2017 11:00:00			07/31/2017 00:00:00			08/01/2017 10:00:00			08/14/2017 09:30:00
Matrix				Water			Water			Water			Water
Dilution Factor				1			1			1			1
Unit	ug/l			ug/l			ug/l			ug/l			ug/l
GCSVOA-8082A-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8082A													
Aroclor 1016	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1221	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1232	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1242	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1248	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1254	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor 1260	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor 1268	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor-1262	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Total PCBs	0.1	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
Elizabeth Flannery
Project Management Assistant I
(732)549-3900

Grace Chang
Project Manager II
(732)593-2579

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-105S**			**DUP**
Lab Sample ID	Groundwater			460-139175-2			460-139175-3
Sampling Date	Criteria			08/14/2017 12:00:00			08/14/2017 00:00:00
Matrix				Water			Water
Dilution Factor				1			1
Unit	ug/l			ug/l			ug/l
GCSVOA-8082A-WATER		Result	Q	MDL	Result	Q	MDL
WATER BY 8082A							
Aroclor 1016	NA	0.10	U	0.10	0.10	U	0.10
Aroclor 1221	NA	0.10	U	0.10	0.10	U	0.10
Aroclor 1232	NA	0.10	U	0.10	0.10	U	0.10
Aroclor 1242	NA	0.10	U	0.10	0.10	U	0.10
Aroclor 1248	NA	0.10	U	0.10	0.10	U	0.10
Aroclor 1254	NA	0.099	U	0.099	0.099	U	0.099
Aroclor 1260	NA	0.099	U	0.099	0.099	U	0.099
Aroclor 1268	NA	0.099	U	0.099	0.099	U	0.099
Aroclor-1262	NA	0.099	U	0.099	0.099	U	0.099
Total PCBs	0.1	0.10	U	0.10	0.10	U	0.10

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
Elizabeth Flannery
Project Management Assistant I
(732)549-3900

Grace Chang
Project Manager II
(732)593-2579

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**	
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3	
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00	
Matrix				Water			Water			Water	
Unit											
METALS-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	
WATER BY 245.1(UG/L)											
Mercury	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	
WATER BY 6020A(UG/L)											
Aluminum	NA	1550		18.2	241		18.2	25.0	J	18.2	
Antimony	NA	1.2	J	0.62	0.62	U	0.62	0.62	U	0.62	
Arsenic	NA	1.0	J	0.64	0.64	U	0.64	0.64	U	0.64	
Barium	NA	213		1.2	188		1.2	169		1.2	
Beryllium	NA	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	
Cadmium	NA	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	
Calcium	NA	77300		60.5	105000		60.5	145000		60.5	
Chromium	NA	4.5		1.3	1.3	U	1.3	1.3	U	1.3	
Cobalt	NA	1.3	J	1.3	1.3	U	1.3	1.3	U	1.3	
Copper	NA	7.6		1.4	2.0	J	1.4	1.4	J	1.4	
Iron	NA	2310		42.4	553		42.4	42.4	U	42.4	
Lead	NA	6.4		0.38	1.2		0.38	0.38	U	0.38	
Magnesium	NA	18000		63.6	39100		63.6	49400		63.6	
Manganese	NA	81.5		2.5	275		2.5	1990		2.5	
Nickel	NA	3.9	J	1.4	1.4	U	1.4	1.5	J	1.4	
Potassium	NA	9990		91.4	7680		91.4	16500		91.4	
Selenium	NA	3.1	J	0.73	1.2	J	0.73	6.5	J	0.73	
Silver	NA	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	
Sodium	NA	440000		69.0	214000		69.0	289000		69.0	
Thallium	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	
Vanadium	NA	6.0		1.9	2.0	J	1.9	1.9	U	1.9	
Zinc	NA	9.5	J	7.0	7.0	U	7.0	7.0	U	7.0	

B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-25**			**MW-34**			**DUP**			**MW-103D**		
Lab Sample ID	Groundwater	460-136402-4			460-136402-5			460-136402-6			460-138267-1		
Sampling Date	Criteria	06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00		
Matrix		Water			Water			Water			Water		
Unit													
METALS-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 245.1(UG/L)													
Mercury	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
WATER BY 6020A(UG/L)													
Aluminum	NA	27.9	J	18.2	1330		18.2	1440		18.2	185		18.2
Antimony	NA	0.62	U	0.62	0.65	J	0.62	1.2	J B	0.62	0.81	J	0.62
Arsenic	NA	0.64	U	0.64	1.4	J	0.64	0.99	J	0.64	2.7		0.64
Barium	NA	272		1.2	89.8		1.2	234		1.2	215		1.2
Beryllium	NA	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
Cadmium	NA	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Calcium	NA	132000		60.5	53700		60.5	83100		60.5	163000		60.5
Chromium	NA	1.3	U	1.3	2.3	J	1.3	4.2		1.3	361		1.3
Cobalt	NA	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Copper	NA	1.4	U	1.4	3.5	J	1.4	6.9		1.4	5.6		1.4
Iron	NA	42.4	U	42.4	1270		42.4	2230		42.4	151		42.4
Lead	NA	0.38	U	0.38	5.4		0.38	6.1		0.38	0.38	U	0.38
Magnesium	NA	47400		63.6	21800		63.6	19900		63.6	27900		63.6
Manganese	NA	2.5	U	2.5	117		2.5	77.6		2.5	103		2.5
Nickel	NA	1.5	J	1.4	2.8	J	1.4	3.8	J	1.4	1.9	J	1.4
Potassium	NA	11800		91.4	5800		91.4	10400		91.4	145000		91.4
Selenium	NA	4.8	J	0.73	0.73	U	0.73	2.9	J	0.73	6.1	J	0.73
Silver	NA	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Sodium	NA	251000		69.0	13700		69.0	456000		69.0	112000		69.0
Thallium	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
Vanadium	NA	1.9	U	1.9	3.3	J	1.9	6.1		1.9	17.2		1.9
Zinc	NA	7.0	U	7.0	7.0	U	7.0	8.6	J	7.0	7.0	U	7.0

B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL a
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-102S**			**DUP**			**MW-104D**			**MW-101S**		
Lab Sample ID	Groundwater	460-138267-2			460-138267-4			460-138307-1			460-139175-1		
Sampling Date	Criteria	07/31/2017 11:00:00			07/31/2017 00:00:00			08/01/2017 10:00:00			08/14/2017 09:30:00		
Matrix		Water			Water			Water			Water		
Unit													
METALS-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 245.1(UG/L)													
Mercury	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
WATER BY 6020A(UG/L)													
Aluminum	NA	40.4		18.2	178		18.2	102		18.2	43.7		18.2
Antimony	NA	2.5		0.62	0.62	U	0.62	1.9	J	0.62	0.62	U	0.62
Arsenic	NA	2.4		0.64	3.2		0.64	2.2		0.64	0.64	U	0.64
Barium	NA	110		1.2	186		1.2	113		1.2	131		1.2
Beryllium	NA	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
Cadmium	NA	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Calcium	NA	89000		60.5	180000		60.5	34600		60.5	127000		60.5
Chromium	NA	1.3	U	1.3	191		1.3	19.7		1.3	1.3	U	1.3
Cobalt	NA	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Copper	NA	4.3		1.4	3.8	J	1.4	5.4		1.4	1.7	J	1.4
Iron	NA	50.7	J	42.4	122		42.4	159		42.4	42.4	U	42.4
Lead	NA	1.7		0.38	0.38	U	0.38	0.62	J	0.38	0.38	U	0.38
Magnesium	NA	14600		63.6	34200		63.6	12300		63.6	53200		63.6
Manganese	NA	52.2		2.5	161		2.5	8.6		2.5	94.9		2.5
Nickel	NA	1.9	J	1.4	1.9	J	1.4	2.8	J	1.4	2.1	J	1.4
Potassium	NA	13400		91.4	91900		91.4	116000		91.4	7360		91.4
Selenium	NA	2.3	J	0.73	3.8	J	0.73	1.2	J	0.73	2.2	J	0.73
Silver	NA	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Sodium	NA	158000		69.0	101000		69.0	86600		69.0	158000		69.0
Thallium	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
Vanadium	NA	6.7		1.9	15.7		1.9	5.4		1.9	1.9	U	1.9
Zinc	NA	7.0	U	7.0	7.0	U	7.0	9.5	J	7.0	7.0	U	7.0

B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL a
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-105S**			**DUP**		
Lab Sample ID	Groundwater	460-139175-2			460-139175-3		
Sampling Date	Criteria	08/14/2017 12:00:00			08/14/2017 00:00:00		
Matrix		Water			Water		
Unit							
METALS-WATER		Result	Q	MDL	Result	Q	MDL
WATER BY 245.1(UG/L)							
Mercury	NA	0.17	U	0.17	0.17	U	0.17
WATER BY 6020A(UG/L)							
Aluminum	NA	18.2	U	18.2	47.2		18.2
Antimony	NA	0.62	U	0.62	0.62	U	0.62
Arsenic	NA	0.64	U	0.64	0.64	U	0.64
Barium	NA	140		1.2	132		1.2
Beryllium	NA	0.24	U	0.24	0.24	U	0.24
Cadmium	NA	0.71	U	0.71	0.71	U	0.71
Calcium	NA	107000		60.5	127000		60.5
Chromium	NA	1.3	U	1.3	1.3	U	1.3
Cobalt	NA	1.5	J	1.3	1.3	U	1.3
Copper	NA	1.5	J	1.4	1.6	J	1.4
Iron	NA	43.7	J	42.4	50.7	J	42.4
Lead	NA	0.38	U	0.38	0.38	U	0.38
Magnesium	NA	35600		63.6	53500		63.6
Manganese	NA	1410		2.5	94.1		2.5
Nickel	NA	1.5	J	1.4	2.1	J	1.4
Potassium	NA	13700		91.4	7400		91.4
Selenium	NA	1.4	J	0.73	2.4	J	0.73
Silver	NA	1.3	U	1.3	1.3	U	1.3
Sodium	NA	301000		69.0	160000		69.0
Thallium	NA	0.26	U	0.26	0.26	U	0.26
Vanadium	NA	1.9	U	1.9	1.9	U	1.9
Zinc	NA	7.0	U	7.0	7.0	U	7.0

B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL a
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-1**			**MW-22**			**MW-24**		
Lab Sample ID	Groundwater	460-136402-1			460-136402-2			460-136402-3		
Sampling Date	Criteria	06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00		
Matrix		Water			Water			Water		
WETCHEM-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 335.4										
Cyanide, Total (mg/l)	NA	0.0056	J	0.0020	0.0020	U	0.0020	0.0020	U	0.0020

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-25**			**MW-34**			**DUP**			**MW-103D**		
Lab Sample ID	Groundwater	460-136402-4			460-136402-5			460-136402-6			460-138267-1		
Sampling Date	Criteria	06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00		
Matrix		Water			Water			Water			Water		
WETCHEM-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 335.4													
Cyanide, Total (mg/l)	NA	0.0020	U	0.0020	0.0020	U	0.0020	0.0045	J	0.0020	0.0020	U	0.0020

J : Result is less than the RL but greater than or equal to the MDL ar
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC		**MW-102S**			**DUP**			**MW-104D**			**MW-101S**		
Lab Sample ID	Groundwater		460-138267-2			460-138267-4			460-138307-1			460-139175-1		
Sampling Date	Criteria		07/31/2017 11:00:00			07/31/2017 00:00:00			08/01/2017 10:00:00			08/14/2017 09:30:00		
Matrix			Water			Water			Water			Water		
WETCHEM-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	
WATER BY 335.4														
Cyanide, Total (mg/l)	NA	0.0023	J	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	0.0024	U *	0.0024	

J : Result is less than the RL but greater than or equal to the MDL a
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-105S**			**DUP**		
Lab Sample ID	Groundwater	460-139175-2			460-139175-3		
Sampling Date	Criteria	08/14/2017 12:00:00			08/14/2017 00:00:00		
Matrix		Water			Water		
WETCHEM-WATER		Result	Q	MDL	Result	Q	MDL
WATER BY 335.4							
Cyanide, Total (mg/l)	NA	0.0024	U *	0.0024	0.0024	U *	0.0024

J : Result is less than the RL but greater than or equal to the MDL a
U : Indicates the analyte was analyzed for but not detected.

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Yonkers NY**			**Job Number:**	**7190A**	**WELL I.D. : MW-1**			
Personnel:	**JS**			**Date:**	**6/30/2017**	SESI CONSULTING ENGINEERS			
				PID:	**20.8**				
Stickup? Y/N **Distance ground to Stickup Rim/PVC**	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	5"	**15.80'**	**N/E**	**7.37**	**8.43**	**~ 12'**	**12'**		
Turbidity at collection (NTU):		**7.2**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	**Time (actual Time) 5 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	6:30	**21.14**	**6.55**	**2410**	**2.12**	**191**	**752**	**737**	**N**
	7:15	**19.29**	**6.96**	**2360**	**1.31**	**178**	**20.4**	**7.72**	**N**
	7:20	**19.38**	**7.01**	**2390**	**1.25**	**174**	**17.3**	**7.72**	**N**
	7:25	**19.36**	**7.02**	**2370**	**1.22**	**171**	**7.8**	**7.73**	**N**

Well Condition Summary

Cover: Y / N	**Bolts: Y / N**		**Concrete Pad OK: Y / N**	**Gripper: Y / N**	

Sample Collection Information

Sample Time:	**7:30**	**Appearance: clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Yonkers NY**			**Job Number:**	**7190A**	**WELL I.D. : MW-22**			
Personnel:	**JS**			**Date:**	**6/30/2017**	SESI CONSULTING ENGINEERS			
				PID:	**0**				
Stickup? Y/N **Distance ground to Stickup Rim/PVC**	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	2.25"	**17.80'**	**N/E**	**11.22**	**6.58**	**~ 15'**	**15'**		
Turbidity at collection (NTU):		**0.0**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	**Time (actual Time) 5 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	14:10	**22.03**	**7.82**	**1,600**	**3.34**	**142**	**422**	**11.22**	**N**
	14:35	**16.24**	**7.46**	**1,690**	**0**	**51**	**32.1**	**11.4**	**N**
	14:40	**16.15**	**7.29**	**1,690**	**0**	**47**	**21.5**	**11.4**	**N**
	14:45	**15.98**	**7.25**	**1,700**	**0**	**47**	**12.7**	**11.4**	**N**
	14:50	**15.97**	**7.24**	**1,700**	**0**	**48**	**5.9**	**11.37**	**N**

Well Condition Summary

Cover: Y / N	**Bolts: Y / N**		**Concrete Pad OK: Y / N**	**Gripper: Y / N**	

Sample Collection Information

Sample Time:	**15:00**	**Appearance: Very clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Yonkers NY**			**Job Number:**	**7190A**	**WELL I.D. : MW-24**			
Personnel:	**JS**			**Date:**	**6/30/2017**	SESI CONSULTING ENGINEERS			
				PID:	**0**				
Stickup? Y/N **Distance ground to Stickup Rim/PVC**	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	6"	**19.10'**	**N/E**	**9.21**	**9.89**	**~ 15'**	**15'**		
Turbidity at collection (NTU):		**0.0**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	**Time (actual Time) 5 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	10:20	**20.4**	**7.43**	**2,360**	**8.58**	**107**	**66.2**	**9.21**	**N**
	11:00	**19.07**	**7.2**	**2,330**	**0.28**	**127**	**0.09**	**9.37**	**N**
	11:05	**19.02**	**7.22**	**2,340**	**0.36**	**130**	**0**	**9.38**	**N**
	11:10	**18.96**	**7.22**	**2,340**	**0.35**	**135**	**0**	**9.38**	**N**

Well Condition Summary

Cover: Y / N	**Bolts: Y / N**		**Concrete Pad OK: Y / N**	**Gripper: Y / N**	

Sample Collection Information

Sample Time:	**11:15**	**Appearance: Very clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Yonkers NY**			**Job Number:**	**7190A**	**WELL I.D. : MW-25**			
Personnel:	**JS**			**Date:**	**6/30/2017**	SESI CONSULTING ENGINEERS			
				PID:	**0**				
Stickup? Y/N **Distance ground to Stickup Rim/PVC**	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	3.5"	**14.95**	**N/E**	**7.85**	**7.10**	**~ 12'**	**~ 12'**		
Turbidity at collection (NTU):		**0.0**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 5 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	8:55	**19.68**	**7.35**	**1,910**	**4.12**	**153**	**78.2**	**7.85**	**N**
	9:25	**17.72**	**7.38**	**1,980**	**7.32**	**160**	**0**	**7.87**	**N**
	9:30	**17.83**	**7.33**	**1,980**	**7.1**	**164**	**0**	**7.85**	**N**
	9:35	**17.76**	**7.32**	**1,980**	**6.82**	**167**	**0**	**7.86**	**N**
Well Condition Summary									
Cover: Y / N (broken need replacement)		**Bolts: Y / N**		**Concrete Pad OK: Y / N**		**Gripper: Y / N**			
Sample Collection Information									
Sample Time:	**9:45**	**Appearance: very clear**		**Filtered Sample Turbidity:**			**OTHER:**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Yonkers NY**			**Job Number:**	**7190A**	**WELL I.D. : MW-34**			
Personnel:	**JS**			**Date:**	**6/30/2017**	SESI CONSULTING ENGINEERS			
				PID:	**0.0**				
Stickup? Y/N **Distance ground to Stickup Rim/PVC**	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	3.5"	**39.13**	**N/E**	**10.90**	**28.23**	**~ 30'**	**~ 30'**		
Turbidity at collection (NTU):		**3.3**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 5 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	11:45	**20.36**	**8.14**	**383**	**1.48**	**106**	**38.1**	**10.9**	**N**
	13:45	**17.21**	**8.25**	**404**	**0**	**-53**	**17.2**	**21.71**	**N**
	13:50	**17.12**	**8.22**	**404**	**0**	**-54**	**13.8**	**21.7**	**N**
	13:55	**17.09**	**8.19**	**403**	**0**	**-54**	**9.8**	**21.7**	**N**
Well Condition Summary									
Cover: Y / N (broken need replacement)		**Bolts: Y / N**		**Concrete Pad OK: Y / N**		**Gripper: Y / N**			
Sample Collection Information									
Sample Time:	**14:00**	**Appearance: clear**		**Filtered Sample Turbidity:**			**OTHER:**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Yonkers, NY			Job Number:	7190A	WELL I.D. : MW-102S			
Personnel:	NL			Date:	7/31/2017	SESI CONSULTING ENGINEERS			
				PID:	0.3 ppm				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
	2"	20.13	N/E	11.73	8.4				
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	10:32	23.85	8.34	917	12.12	91	7.2	11.95	N
	10:47	20.91	7.79	978	11.11	104	4.6	12.12	N
	10:50	19.11	7.69	965	10.53	108	2.5	12.17	N
	10:53	19.05	7.62	966	9.87	110	0.8	12.18	N
	10:56	18.95	7.56	968	9.39	113	0.4	12.19	N
	10:59	18.95	7.51	968	9	115	0	12.21	N
	11:02	19.08	7.47	967	8.61	117	0	12.23	N
	11:05	19.14	7.44	969	8.52	118	0	12.23	N
	11:08	19.16	7.43	968	8.56	119	0	12.25	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N	

Sample Collection Information

Sample Time:	11:08	Appearance: Very Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present: Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed : Y / N		
Sock Depth (Depth to sock mid point):					

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Yonkers, NY			Job Number:	7190A	WELL I.D. : MW-103D			
Personnel:	NL			Date:	7/31/2017	SESI CONSULTING ENGINEERS			
				PID:	1.7 ppm				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
	2"	50.18	N/E	10.63'	39.55				
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	8:38	18.92	8.61	2130	11.91	94	3.8	22.8	N
	9:02	18.83	8.69	2140	10.48	87	2.9	26.5	N
	9:05	18.23	8.96	2200	9.71	85	0.9	26.8	N
	9:08	18.78	9	2200	6.45	81	35.4	27.06	N
	9:11	18.68	9.13	2070	1.97	74	42.3	27.31	N
	9:15	18.65	9.12	2040	1.9	70	40	27.38	N
	9:17	18.63	9.12	2030	1.87	67	35.1	27.42	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N	

Sample Collection Information

Sample Time:	9:17	Appearance: Very Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present: Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed : Y / N		
Sock Depth (Depth to sock mid point):					

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Yonkers, NY			Job Number:	7190A	WELL I.D. : MW-104D			
Personnel:	NL			Date:	8.1.2017	SESI CONSULTING ENGINEERS			
				PID:	1.0 ppm				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		58.8	N/E	21.49	37.31	39.99	40		
Turbidity at collection (NTU):		54.7	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	8:15	20.87	10.66	713	3.94	37	208	24.75	N
	9:15	21.25	10.68	694	3.31	15	67.4	34.18	N
	9:20	21.35	10.64	689	4.28	15	81.3	34.73	N
	9:23	21.34	10.61	690	3.46	14	65.9	34.82	N
	9:35	21.78	10.61	692	4.4	9	71.6	35.52	N
	9:40	21.72	10.62	694	3.94	10	66.4	35.88	N
	9:45	21.6	10.68	686	3.3	15	51.8	36.19	N
	9:50	22.15	10.69	684	3.64	11	55.4	36.28	N
	9:55	22.31	10.69	684	4.21	9	58.2	36.75	N
	10:00	21.98	10.71	688	4.52	13	54.7	37.38	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N

Sample Collection Information

Sample Time:		Appearance: Very Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present: Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed : Y / N		
Sock Depth (Depth to sock mid point):					

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Yonkers, NY			Job Number:	7190A	WELL I.D. : MW-101S			
Personnel:	NL			Date:	8/14/2017	SESI CONSULTING ENGINEERS			
				PID:	0				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
	3"	19.78	N/E	14.93	4.85	17.37	18		
Turbidity at collection (NTU):		8.1	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	8:28	18.55	7.05	1840	3.4	163	493	14.47	Y
	9:00	15.91	6.66	18.5	0.89	187	17.1	15.22	N
	9:05	15.91	6.75	1840	0.98	185	7.1	15.23	N
	9:10	15.91	6.79	1830	0.74	182	5.3	15.23	N
	9:15	15.91	6.84	1830	0.7	178	5.1	15.24	N
	9:20	15.9	6.94	1820	0.64	171	2.5	15.24	N
	9:25	15.9	7.01	1830	0.63	170	8.3	15.28	N
	9:30	15.89	7.04	1830	1.01	170	9.1	15.28	N
	9:35	15.86	7.03	1810	0.64	170	9.4	15.28	N
	9:40	15.86	7.03	1820	0.64	171	8.1	15.28	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N

Sample Collection Information

Sample Time:	9:40	Appearance: Very Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present: Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed : Y / N		
Sock Depth (Depth to sock mid point):					

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Yonkers, NY			Job Number:	7190A	WELL I.D. : MW-105S			
Personnel:	NL			Date:	8/14/2017	SESI CONSULTING ENGINEERS			
				PID:	3.7 ppm				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
	3"	20.03	N/E	10.75	9.28	15.39	16		
Turbidity at collection (NTU):		0.5	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	10:50	21.88	7.25	2300	2.79	60	288	1.09	N
	11:10	17.75	7.05	2280	0.47	47	4.3	11.16	N
	11:15	17.74	7.05	2260	0.51	46	2.5	11.16	N
	11:20	17.64	7.06	2250	0.54	45	2.9	11.17	N
	11:25	17.44	7.08	2240	0.56	43	1.5	11.17	N
	11:30	17.37	7.09	2230	0.52	41	0.5	11.17	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N	

Sample Collection Information

Sample Time:	11:30	Appearance: Very Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present: Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed : Y / N		
Sock Depth (Depth to sock mid point):					

APPENDIX F: VI RESULTS

CHICKEN ISLAND
SOIL VAPOR SAMPLING RESULTS
SESI CONSULTING ENGINEERS
JULY 24-25, 2017

TARGET/NON TARGET ANALYTES-
AIR RESULTS

Sampling Date:
Analysis Date: 07/28/2017

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15			*ppbv*		*ug/m3*			
Acetone	67-64-1	58.078	5.0	U	12			
Allyl chloride	107-05-1	76.53	0.50	U	1.6			
Benzene	71-43-2	78.108	0.20	U	0.64			
Bromodichloromethane	75-27-4	163.83	0.20	U	1.3			
Bromoform	75-25-2	252.75	0.20	U	2.1			
Bromomethane	74-83-9	94.94	0.20	U	0.78			
1,3-Butadiene	106-99-0	54.09	0.00020	U	0.44			
Chlorobenzene	108-90-7	112.557	0.20	U	0.92			
Chloroethane	75-00-3	64.52	0.50	U	1.3			
Chloroform	67-66-3	119.38	0.20	U	0.98			
Chloromethane	74-87-3	50.49	0.50	U	1			
Carbon disulfide	75-15-0	76.14	0.00050	U	1.6			
Carbon tetrachloride	56-23-5	153.81	0.00020	U	1.3			
2-Chlorotoluene	95-49-8	126.59	0.20	U	1			
Cyclohexane	110-82-7	84.16	0.20	U	0.69			
Dibromochloromethane	124-48-1	208.29	0.20	U	1.7			
1,2-Dibromoethane	106-93-4	187.87	0.20	U	1.5			
1,2-Dichlorobenzene	95-50-1	147	0.20	U	1.2			
1,3-Dichlorobenzene	541-73-1	147	0.20	U	1.2			
1,4-Dichlorobenzene	106-46-7	147	0.20	U	1.2			
Dichlorodifluoromethane	75-71-8	120.91	0.50	U	2.5			
1,1-Dichloroethane	75-34-3	98.96	0.20	U	0.81			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.81			
1,1-Dichloroethene	75-35-4	96.94	0.20	U	0.79			
1,2-Dichloroethene (cis)	156-59-2	96.94	0.20	U	0.79			
1,2-Dichloroethene (trans)	156-60-5	96.94	0.20	U	0.79			
1,2-Dichloropropane	78-87-5	112.99	0.20	U	0.92			
1,3-Dichloropropene (cis)	10061-01-5	110.97	0.20	U	0.91			
1,3-Dichloropropene(trans)	10061-02-6	110.97	0.20	U	0.91			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	0.20	U	1.4			
1,4-Dioxane	123-91-1	88.11	5.0	U	18			
Ethanol	64-17-5	46.07	5.0	U	9.4			
Ethylbenzene	100-41-4	106.17	0.20	U	0.87			
4-Ethyltoluene	622-96-8	120.2	0.20	U	0.98			
n-Heptane	142-82-5	100.21	0.20	U	0.82			
1,3-Hexachlorobutadiene	87-68-3	260.76	0.20	U	2.1			
n-Hexane	110-54-3	86.172	0.20	U	0.7			
Isopropanol	67-63-0	60.1	5.0	U	12			
Methylene chloride	75-09-2	84.93	0.50	U	1.7			
Methyl ethyl ketone	78-93-3	72.11	0.50	U	1.5			
Methyl isobutyl ketone	108-10-1	100.16	0.50	U	2			
Methyl methacrylate	80-62-6	100.12	0.50	U	2			
Methyl tert-butyl ether	1634-04-4	88.15	0.20	U	0.72			
Styrene	100-42-5	104.15	0.20	U	0.85			
Tert-butyl alcohol	75-65-0	74.12	5.0	U	15			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1.4			

Laboratory Name: TAL-Burlington
Laboratory City: South Burlington,VT

CHICKEN ISLAND
SOIL VAPOR SAMPLING RESULTS
SESI CONSULTING ENGINEERS
JULY 24-25, 2017

TARGET/NON TARGET ANALYTES-
AIR RESULTS

Sampling Date:
Analysis Date: 07/28/2017

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15			***ppbv***		***ug/m3***			
Tetrachloroethene	127-18-4	165.83	0.20	U	1.4			
Tetrahydrofuran	109-99-9	72.11	5.0	U	15			
Toluene	108-88-3	92.14	0.20	U	0.75			
1,2,4-Trichlorobenzene	120-82-1	181.45	0.50	U	3.7			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1.1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1.1			
Trichloroethene	79-01-6	131.39	0.20	U	1.1			
Trichlorofluoromethane	75-69-4	137.37	0.20	U	1.1			
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.38	0.20	U	1.5			
1,2,4-Trimethylbenzene	95-63-6	120.2	0.20	U	0.98			
1,3,5-Trimethylbenzene	108-67-8	120.2	0.20	U	0.98			
2,2,4-Trimethylpentane	540-84-1	114.23	0.20	U	0.93			
Vinyl bromide	593-60-2	106.96	0.20	U	0.87			
Vinyl chloride	75-01-4	62.5	0.20	U	0.51			
Xylenes (m&p)	179601-23-1	106.17	0.50	U	2.2			
Xylenes (o)	95-47-6	106.17	0.20	U	0.87			
Naphthalene	91-20-3	128.17	0.50	U	2.6			
TO15			***ppmv***		***ug/m3***			
Acetone	67-64-1	58.078	5.0	U	12			
Allyl chloride	107-05-1	76.53	0.50	U	1.6			
Benzene	71-43-2	78.108	0.20	U	0.64			
Bromodichloromethane	75-27-4	163.83	0.20	U	1.3			
Bromoform	75-25-2	252.75	0.20	U	2.1			
Bromomethane	74-83-9	94.94	0.20	U	0.78			
1,3-Butadiene	106-99-0	54.09	0.00020	U	0.44			
Chlorobenzene	108-90-7	112.557	0.20	U	0.92			
Chloroethane	75-00-3	64.52	0.50	U	1.3			
Chloroform	67-66-3	119.38	0.20	U	0.98			
Chloromethane	74-87-3	50.49	0.50	U	1			
Carbon disulfide	75-15-0	76.14	0.00050	U	1.6			
Carbon tetrachloride	56-23-5	153.81	0.00020	U	1.3			
2-Chlorotoluene	95-49-8	126.59	0.20	U	1			
Cyclohexane	110-82-7	84.16	0.20	U	0.69			
Dibromochloromethane	124-48-1	208.29	0.20	U	1.7			
1,2-Dibromoethane	106-93-4	187.87	0.20	U	1.5			
1,2-Dichlorobenzene	95-50-1	147	0.20	U	1.2			
1,3-Dichlorobenzene	541-73-1	147	0.20	U	1.2			
1,4-Dichlorobenzene	106-46-7	147	0.20	U	1.2			
Dichlorodifluoromethane	75-71-8	120.91	0.50	U	2.5			
1,1-Dichloroethane	75-34-3	98.96	0.20	U	0.81			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.81			
1,1-Dichloroethene	75-35-4	96.94	0.20	U	0.79			
1,2-Dichloroethene (cis)	156-59-2	96.94	0.20	U	0.79			
1,2-Dichloroethene (trans)	156-60-5	96.94	0.20	U	0.79			
1,2-Dichloropropane	78-87-5	112.99	0.20	U	0.92			

Laboratory Name: TAL-Burlington
Laboratory City: South Burlington,VT

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15			***ppbv***		***ug/m3***			
1,3-Dichloropropene (cis)	10061-01-5	110.97	0.20	U	0.91			
1,3-Dichloropropene(trans)	10061-02-6	110.97	0.20	U	0.91			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	0.20	U	1.4			
1,4-Dioxane	123-91-1	88.11	5.0	U	18			
Ethanol	64-17-5	46.07	5.0	U	9.4			
Ethylbenzene	100-41-4	106.17	0.20	U	0.87			
4-Ethyltoluene	622-96-8	120.2	0.20	U	0.98			
n-Heptane	142-82-5	100.21	0.20	U	0.82			
1,3-Hexachlorobutadiene	87-68-3	260.76	0.20	U	2.1			
n-Hexane	110-54-3	86.172	0.20	U	0.7			
Isopropanol	67-63-0	60.1	5.0	U	12			
Methylene chloride	75-09-2	84.93	0.50	U	1.7			
Methyl ethyl ketone	78-93-3	72.11	0.50	U	1.5			
Methyl isobutyl ketone	108-10-1	100.16	0.50	U	2			
Methyl methacrylate	80-62-6	100.12	0.50	U	2			
Methyl tert-butyl ether	1634-04-4	88.15	0.20	U	0.72			
Styrene	100-42-5	104.15	0.20	U	0.85			
Tert-butyl alcohol	75-65-0	74.12	5.0	U	15			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1.4			
Tetrachloroethene	127-18-4	165.83	0.20	U	1.4			
Tetrahydrofuran	109-99-9	72.11	5.0	U	15			
Toluene	108-88-3	92.14	0.20	U	0.75			
1,2,4-Trichlorobenzene	120-82-1	181.45	0.50	U	3.7			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1.1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1.1			
Trichloroethene	79-01-6	131.39	0.20	U	1.1			
Trichlorofluoromethane	75-69-4	137.37	0.20	U	1.1			
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.38	0.20	U	1.5			
1,2,4-Trimethylbenzene	95-63-6	120.2	0.20	U	0.98			
1,3,5-Trimethylbenzene	108-67-8	120.2	0.20	U	0.98			
2,2,4-Trimethylpentane	540-84-1	114.23	0.20	U	0.93			
Vinyl bromide	593-60-2	106.96	0.20	U	0.87			
Vinyl chloride	75-01-4	62.5	0.20	U	0.51			
Xylenes (m&p)	179601-23-1	106.17	0.50	U	2.2			
Xylenes (o)	95-47-6	106.17	0.20	U	0.87			
Naphthalene	91-20-3	128.17	0.50	U	2.6			

Volatile Tentatively Identified Compounds (up to 30 compounds)

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
Acetone	67-64-1	58.078	3.20E+04	1.10E+06	4.5	J	11			
Allyl chloride	107-05-1	76.53	1.00E-01	3.50E+00	0.50	U	1.6			
Benzene	71-43-2	78.108	3.60E-01	1.20E+01	0.41		1.3			
Bromodichloromethane	75-27-4	163.83	7.60E-02	2.50E+00	0.20	U	1.3			
Bromoform	75-25-2	252.75	2.60E+00	8.50E+01	0.20	U	2.1			
Bromomethane	74-83-9	94.94	5.20E+00	1.70E+02	0.20	U	0.78			
1,3-Butadiene	106-99-0	54.09	9.40E-02	3.10E+00	0.00044		0.98			
Chlorobenzene	108-90-7	112.557	5.20E+01	1.70E+03	0.20	U	0.92			
Chloroethane	75-00-3	64.52	1.00E+04	3.50E+05	0.50	U	1.3			
Chloroform	67-66-3	119.38	1.20E-01	4.10E+00	0.48		2.4			
Chloromethane	74-87-3	50.49	9.40E+01	3.10E+03	0.22	J	0.46			
Carbon disulfide	75-15-0	76.14	7.30E+02	2.40E+04	0.0051		16			
Carbon tetrachloride	56-23-5	153.81	1	60	0.000028	J	0.18			
2-Chlorotoluene	95-49-8	126.59	-	-	0.20	U	1			
Cyclohexane	110-82-7	84.16	6.30E+03	2.10E+05	0.20		0.68			
Dibromochloromethane	124-48-1	208.29	No Inhal	No Inhal	0.20	U	1.7			
1,2-Dibromoethane	106-93-4	187.87	4.70E-03	1.60E-01	0.20	U	1.5			
1,2-Dichlorobenzene	95-50-1	147	2.10E+02	7.00E+03	0.20	U	1.2			
1,3-Dichlorobenzene	541-73-1	147	-	-	0.20	U	1.2			
1,4-Dichlorobenzene	106-46-7	147	2.60E-01	8.50E+00	0.20	U	1.2			
Dichlorodifluoromethane	75-71-8	120.91	1.00E+02	3.50E+03	0.52		2.6			
1,1-Dichloroethane	75-34-3	98.96	1	60	0.20	U	0.81			
1,2-Dichloroethane	107-06-2	98.96	1.10E-01	3.60E+00	0.20	U	0.81			
1,1-Dichloroethene	75-35-4	96.94	1	60	0.20	U	0.79			
1,2-Dichloroethene (cis)	156-59-2	96.94	1	60	0.20	U	0.79			
1,2-Dichloroethene (trans)	156-60-5	96.94	-	-	0.20	U	0.79			
1,2-Dichloropropane	78-87-5	112.99	2.80E-01	9.40E+00	0.20	U	0.92			
1,3-Dichloropropene (cis)	10061-01-5	110.97	-	-	0.20	U	0.91			
1,3-Dichloropropene(trans)	10061-02-6	110.97	-	-	0.20	U	0.91			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	-	-	0.20	U	1.4			
1,4-Dioxane	123-91-1	88.11	5.60E-01	1.90E+01	5.0	U	18			
Ethanol	64-17-5	46.07	-	-	0.89	J	1.7			
Ethylbenzene	100-41-4	106.17	1.10E+00	3.70E+01	0.16	J	0.7			
4-Ethyltoluene	622-96-8	120.2	-	-	0.078	J	0.38			
n-Heptane	142-82-5	100.21	-	-	0.18	J	0.75			
1,3-Hexachlorobutadiene	87-68-3	260.76	1.30E-01	4.30E+00	0.20	U	2.1			

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
n-Hexane	110-54-3	86.172	7.30E+02	2.40E+04	0.27		0.97			
Isopropanol	67-63-0	60.1	2.10E+02	7.00E+03	0.28	J	0.68			
Methylene chloride	75-09-2	84.93	10	1000	0.20	J	0.7			
Methyl ethyl ketone	78-93-3	72.11	5.20E+03	1.70E+05	0.84		2.5			
Methyl isobutyl ketone	108-10-1	100.16	3.10E+03	1.00E+05	0.084	J	0.35			
Methyl methacrylate	80-62-6	100.12	7.30E+02	2.40E+04	0.50	U	2			
Methyl tert-butyl ether	1634-04-4	88.15	1.10E+01	3.60E+02	0.20	U	0.72			
Styrene	100-42-5	104.15	1.00E+03	3.50E+04	0.058	J	0.25			
Tert-butyl alcohol	75-65-0	74.12	-	-	5.0	U	15			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	4.80E-02	1.60E+00	0.20	U	1.4			
Tetrachloroethene	127-18-4	165.83	10	1000	1.5		10			
Tetrahydrofuran	109-99-9	72.11	2.10E+03	7.00E+04	5.0	U	15			
Toluene	108-88-3	92.14	5.20E+03	1.70E+05	0.90		3.4			
1,2,4-Trichlorobenzene	120-82-1	181.45	2.10E+00	7.00E+01	0.50	U	3.7			
1,1,1-Trichloroethane	71-55-6	133.41	10	1000	0.22		1.2			
1,1,2-Trichloroethane	79-00-5	133.41	1.80E-01	5.80E+00	0.20	U	1.1			
Trichloroethene	79-01-6	131.39	1	60	0.068	J	0.37			
Trichlorofluoromethane	75-69-4	137.37	-	-	0.20		1.1			
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.38	3.10E+04	1.00E+06	0.061	J	0.47			
1,2,4-Trimethylbenzene	95-63-6	120.2	7.30E+00	2.40E+02	0.31		1.5			
1,3,5-Trimethylbenzene	108-67-8	120.2	-	-	0.14	J	0.67			
2,2,4-Trimethylpentane	540-84-1	114.23	-	-	0.21		0.97			
Vinyl bromide	593-60-2	106.96	8.80E-02	2.90E+00	0.20	U	0.87			
Vinyl chloride	75-01-4	62.5	0.2	60	0.20	U	0.51			
Xylenes (m&p)	179601-23-1	106.17	-	-	0.60		2.6			
Xylenes (o)	95-47-6	106.17	1.00E+02	3.50E+03	0.23		1			
Naphthalene	91-20-3	128.17	8.30E-02	2.80E+00	0.32	J	1.7			

Volatile Tentatively Identified Compounds (up to 30 compounds)

Unknown					1.7	J		2.99		
Propene	115-07-1				1.6	J N		3.06		
1-Propene, 2-methyl-	115-11-7				1.5	J N		3.66		
Unknown					1.2	J		4.04		
Cyclotrisiloxane, hexamethyl-	541-05-9				1.1	J N		16.23		
D-Limonene	5989-27-5				2.7	J N		22.86		
Unknown					1.1	J		23.36		
Unknown alkane					23	J		23.58		
Unknown					1.3	J		24.07		

NYSDOH Air Guideline Values are highlighted in green
All others are EPA Values

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
Acetone	67-64-1	58.078	3.20E+04	1.10E+06	180	U	440			
Allyl chloride	107-05-1	76.53	1.00E-01	3.50E+00	18	U	57			
Benzene	71-43-2	78.108	3.60E-01	1.20E+01	7.3	U	23			
Bromodichloromethane	75-27-4	163.83	7.60E-02	2.50E+00	7.3	U	49			
Bromoform	75-25-2	252.75	2.60E+00	8.50E+01	7.3	U	76			
Bromomethane	74-83-9	94.94	5.20E+00	1.70E+02	7.3	U	29			
1,3-Butadiene	106-99-0	54.09	9.40E-02	3.10E+00	0.0073	U	16			
Chlorobenzene	108-90-7	112.557	5.20E+01	1.70E+03	7.3	U	34			
Chloroethane	75-00-3	64.52	-	-	18	U	48			
Chloroform	67-66-3	119.38	1.20E-01	4.10E+00	7.3	U	36			
Chloromethane	74-87-3	50.49	9.40E+01	3.10E+03	18	U	38			
Carbon disulfide	75-15-0	76.14	7.30E+02	2.40E+04	0.0018	J	5.6			
Carbon tetrachloride	56-23-5	153.81	1	60	0.0073	U	46			
2-Chlorotoluene	95-49-8	126.59	-	-	7.3	U	38			
Cyclohexane	110-82-7	84.16	6.30E+03	2.10E+05	7.3	U	25			
Dibromochloromethane	124-48-1	208.29	No Inhal	No Inhal	7.3	U	63			
1,2-Dibromoethane	106-93-4	187.87	4.70E-03	1.60E-01	7.3	U	56			
1,2-Dichlorobenzene	95-50-1	147	2.10E+02	7.00E+03	7.3	U	44			
1,3-Dichlorobenzene	541-73-1	147	-	-	7.3	U	44			
1,4-Dichlorobenzene	106-46-7	147	2.60E-01	8.50E+00	7.3	U	44			
Dichlorodifluoromethane	75-71-8	120.91	1.00E+02	3.50E+03	18	U	91			
1,1-Dichloroethane	75-34-3	98.96	1	60	7.3	U	30			
1,2-Dichloroethane	107-06-2	98.96	1.10E-01	3.60E+00	7.3	U	30			
1,1-Dichloroethene	75-35-4	96.94	1	60	7.3	U	29			
1,2-Dichloroethene (cis)	156-59-2	96.94	1	60	7.3	U	29			
1,2-Dichloroethene (trans)	156-60-5	96.94	-	-	7.3	U	29			
1,2-Dichloropropane	78-87-5	112.99	2.80E-01	9.40E+00	7.3	U	34			
1,3-Dichloropropene (cis)	10061-01-5	110.97	-	-	7.3	U	33			
1,3-Dichloropropene(trans)	10061-02-6	110.97	-	-	7.3	U	33			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	-	-	7.3	U	51			
1,4-Dioxane	123-91-1	88.11	5.60E-01	1.90E+01	180	U	660			
Ethanol	64-17-5	46.07	-	-	180	U	350			
Ethylbenzene	100-41-4	106.17	1.10E+00	3.70E+01	7.3	U	32			
4-Ethyltoluene	622-96-8	120.2	-	-	7.3	U	36			
n-Heptane	142-82-5	100.21	-	-	7.3	U	30			
1,3-Hexachlorobutadiene	87-68-3	260.76	1.30E-01	4.30E+00	7.3	U	78			

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
n-Hexane	110-54-3	86.172	7.30E+02	2.40E+04	7.3	U	26			
Isopropanol	67-63-0	60.1	2.10E+02	7.00E+03	180	U	450			
Methylene chloride	75-09-2	84.93	10	1000	3.8	J	13			
Methyl ethyl ketone	78-93-3	72.11	5.20E+03	1.70E+05	18	U	54			
Methyl isobutyl ketone	108-10-1	100.16	3.10E+03	1.00E+05	18	U	75			
Methyl methacrylate	80-62-6	100.12	7.30E+02	2.40E+04	18	U	75			
Methyl tert-butyl ether	1634-04-4	88.15	1.10E+01	3.60E+02	7.3	U	26			
Styrene	100-42-5	104.15	1.00E+03	3.50E+04	7.3	U	31			
Tert-butyl alcohol	75-65-0	74.12	-	-	180	U	560			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	4.80E-02	1.60E+00	7.3	U	50			
Tetrachloroethene	127-18-4	165.83	10	1000	7.3	U	50			
Tetrahydrofuran	109-99-9	72.11	2.10E+03	7.00E+04	180	U	540			
Toluene	108-88-3	92.14	5.20E+03	1.70E+05	7.3	U	28			
1,2,4-Trichlorobenzene	120-82-1	181.45	2.10E+00	7.00E+01	18	U	140			
1,1,1-Trichloroethane	71-55-6	133.41	10	1000	7.3	U	40			
1,1,2-Trichloroethane	79-00-5	133.41	1.80E-01	5.80E+00	7.3	U	40			
Trichloroethene	79-01-6	131.39	1	60	7.3	U	39			
Trichlorofluoromethane	75-69-4	137.37	-	-	7.3	U	41			
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.38	3.10E+04	1.00E+06	7.3	U	56			
1,2,4-Trimethylbenzene	95-63-6	120.2	7.30E+00	2.40E+02	7.3	U	36			
1,3,5-Trimethylbenzene	108-67-8	120.2	-	-	7.3	U	36			
2,2,4-Trimethylpentane	540-84-1	114.23	-	-	7.3	U	34			
Vinyl bromide	593-60-2	106.96	8.80E-02	2.90E+00	7.3	U	32			
Vinyl chloride	75-01-4	62.5	0.2	60	7.3	U	19			
Xylenes (m&p)	179601-23-1	106.17	-	-	18	U	80			
Xylenes (o)	95-47-6	106.17	1.00E+02	3.50E+03	7.3	U	32			
Naphthalene	91-20-3	128.17	8.30E-02	2.80E+00	18	U	96			

Volatile Tentatively Identified Compounds (up to 30 compounds)

Unknown					2.0	J		3.06		
Unknown					2.3	J		4.03		
Silanol, trimethyl-	1066-40-6				2.3	J N		9.66		
Unknown					2.0	J		21.76		
Unknown alkane					20	J		23.58		

NYSDOH Air Guideline Values are highlighted in green
All others are EPA Values

Laboratory Name: TAL-Burlington
Laboratory City: South Burlington,VT

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
Acetone	67-64-1	58.078	3.20E+04	1.10E+06	25		59			
Allyl chloride	107-05-1	76.53	1.00E-01	3.50E+00	0.50	U	1.6			
Benzene	71-43-2	78.108	3.60E-01	1.20E+01	0.066	J	0.21			
Bromodichloromethane	75-27-4	163.83	7.60E-02	2.50E+00	0.20	U	1.3			
Bromoform	75-25-2	252.75	2.60E+00	8.50E+01	0.20	U	2.1			
Bromomethane	74-83-9	94.94	5.20E+00	1.70E+02	0.20	U	0.78			
1,3-Butadiene	106-99-0	54.09	9.40E-02	3.10E+00	0.00026		0.57			
Chlorobenzene	108-90-7	112.557	5.20E+01	1.70E+03	0.20	U	0.92			
Chloroethane	75-00-3	64.52	-	-	0.50	U	1.3			
Chloroform	67-66-3	119.38	1.20E-01	4.10E+00	0.21		1			
Chloromethane	74-87-3	50.49	9.40E+01	3.10E+03	0.50	U	1			
Carbon disulfide	75-15-0	76.14	7.30E+02	2.40E+04	0.00044	J	1.4			
Carbon tetrachloride	56-23-5	153.81	1	60	0.000088	J	0.55			
2-Chlorotoluene	95-49-8	126.59	-	-	0.20	U	1			
Cyclohexane	110-82-7	84.16	6.30E+03	2.10E+05	0.20	U	0.69			
Dibromochloromethane	124-48-1	208.29	No Inhal	No Inhal	0.20	U	1.7			
1,2-Dibromoethane	106-93-4	187.87	4.70E-03	1.60E-01	0.20	U	1.5			
1,2-Dichlorobenzene	95-50-1	147	2.10E+02	7.00E+03	0.20	U	1.2			
1,3-Dichlorobenzene	541-73-1	147	-	-	0.20	U	1.2			
1,4-Dichlorobenzene	106-46-7	147	2.60E-01	8.50E+00	0.065	J	0.39			
Dichlorodifluoromethane	75-71-8	120.91	1.00E+02	3.50E+03	0.38	J	1.9			
1,1-Dichloroethane	75-34-3	98.96	1	60	0.20	U	0.81			
1,2-Dichloroethane	107-06-2	98.96	1.10E-01	3.60E+00	0.20	U	0.81			
1,1-Dichloroethene	75-35-4	96.94	1	60	0.20	U	0.79			
1,2-Dichloroethene (cis)	156-59-2	96.94	1	60	0.20	U	0.79			
1,2-Dichloroethene (trans)	156-60-5	96.94	-	-	0.20	U	0.79			
1,2-Dichloropropane	78-87-5	112.99	2.80E-01	9.40E+00	0.20	U	0.92			
1,3-Dichloropropene (cis)	10061-01-5	110.97	-	-	0.20	U	0.91			
1,3-Dichloropropene(trans)	10061-02-6	110.97	-	-	0.20	U	0.91			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	-	-	0.20	U	1.4			
1,4-Dioxane	123-91-1	88.11	5.60E-01	1.90E+01	5.0	U	18			
Ethanol	64-17-5	46.07	-	-	5.0		9.4			
Ethylbenzene	100-41-4	106.17	1.10E+00	3.70E+01	0.20	U	0.87			
4-Ethyltoluene	622-96-8	120.2	-	-	0.20	U	0.98			
n-Heptane	142-82-5	100.21	-	-	0.20	U	0.82			
1,3-Hexachlorobutadiene	87-68-3	260.76	1.30E-01	4.30E+00	0.20	U	2.1			

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					*ppbv*		*ug/m3*			
n-Hexane	110-54-3	86.172	7.30E+02	2.40E+04	0.20	U	0.7			
Isopropanol	67-63-0	60.1	2.10E+02	7.00E+03	2.0	J	4.9			
Methylene chloride	75-09-2	84.93	10	1000	0.31	J	1.1			
Methyl ethyl ketone	78-93-3	72.11	5.20E+03	1.70E+05	4.5		13			
Methyl isobutyl ketone	108-10-1	100.16	3.10E+03	1.00E+05	0.17	J	0.69			
Methyl methacrylate	80-62-6	100.12	7.30E+02	2.40E+04	0.50	U	2			
Methyl tert-butyl ether	1634-04-4	88.15	1.10E+01	3.60E+02	0.20	U	0.72			
Styrene	100-42-5	104.15	1.00E+03	3.50E+04	0.20	U	0.85			
Tert-butyl alcohol	75-65-0	74.12	-	-	5.0	U	15			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	4.80E-02	1.60E+00	0.20	U	1.4			
Tetrachloroethene	127-18-4	165.83	10	1000	1.5		10			
Tetrahydrofuran	109-99-9	72.11	2.10E+03	7.00E+04	5.0	U	15			
Toluene	108-88-3	92.14	5.20E+03	1.70E+05	0.19	J	0.7			
1,2,4-Trichlorobenzene	120-82-1	181.45	2.10E+00	7.00E+01	0.50	U	3.7			
1,1,1-Trichloroethane	71-55-6	133.41	10	1000	0.20	U	1.1			
1,1,2-Trichloroethane	79-00-5	133.41	1.80E-01	5.80E+00	0.20	U	1.1			
Trichloroethene	79-01-6	131.39	1	60	0.20	U	1.1			
Trichlorofluoromethane	75-69-4	137.37	-	-	0.17	J	0.95			
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.38	3.10E+04	1.00E+06	0.049	J	0.38			
1,2,4-Trimethylbenzene	95-63-6	120.2	7.30E+00	2.40E+02	0.11	J	0.55			
1,3,5-Trimethylbenzene	108-67-8	120.2	-	-	0.20	U	0.98			
2,2,4-Trimethylpentane	540-84-1	114.23	-	-	0.20	U	0.93			
Vinyl bromide	593-60-2	106.96	8.80E-02	2.90E+00	0.20	U	0.87			
Vinyl chloride	75-01-4	62.5	0.2	60	0.20	U	0.51			
Xylenes (m&p)	179601-23-1	106.17	-	-	0.16	J	0.7			
Xylenes (o)	95-47-6	106.17	1.00E+02	3.50E+03	0.066	J	0.29			
Naphthalene	91-20-3	128.17	8.30E-02	2.80E+00	0.50	U	2.6			

Volatile Tentatively Identified Compounds (up to 30 compounds)

Propene	115-07-1				1.0	J N		3.06		
Unknown					4.2	J		4.03		
Silanol, trimethyl-	1066-40-6				2.3	J N		9.66		
Cyclotrisiloxane, hexamethyl-	541-05-9				1.6	J N		16.23		
Unknown alkane					12	J		23.58		

NYSDOH Air Guideline Values are highlighted in green
All others are EPA Values

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
Acetone	67-64-1	58.078	3.20E+04	1.10E+06	12		28			
Allyl chloride	107-05-1	76.53	1.00E-01	3.50E+00	0.50	U	1.6			
Benzene	71-43-2	78.108	3.60E-01	1.20E+01	0.048	J	0.15			
Bromodichloromethane	75-27-4	163.83	7.60E-02	2.50E+00	0.20	U	1.3			
Bromoform	75-25-2	252.75	2.60E+00	8.50E+01	0.20	U	2.1			
Bromomethane	74-83-9	94.94	5.20E+00	1.70E+02	0.072	J	0.28			
1,3-Butadiene	106-99-0	54.09	9.40E-02	3.10E+00	0.00020	U	0.44			
Chlorobenzene	108-90-7	112.557	5.20E+01	1.70E+03	0.20	U	0.92			
Chloroethane	75-00-3	64.52	-	-	0.50	U	1.3			
Chloroform	67-66-3	119.38	1.20E-01	4.10E+00	0.21		1			
Chloromethane	74-87-3	50.49	9.40E+01	3.10E+03	0.50	U	1			
Carbon disulfide	75-15-0	76.14	7.30E+02	2.40E+04	0.0039		12			
Carbon tetrachloride	56-23-5	153.81	1	60	0.000084	J	0.53			
2-Chlorotoluene	95-49-8	126.59	-	-	0.20	U	1			
Cyclohexane	110-82-7	84.16	6.30E+03	2.10E+05	0.20	U	0.69			
Dibromochloromethane	124-48-1	208.29	No Inhal	No Inhal	0.20	U	1.7			
1,2-Dibromoethane	106-93-4	187.87	4.70E-03	1.60E-01	0.20	U	1.5			
1,2-Dichlorobenzene	95-50-1	147	2.10E+02	7.00E+03	0.20	U	1.2			
1,3-Dichlorobenzene	541-73-1	147	-	-	0.20	U	1.2			
1,4-Dichlorobenzene	106-46-7	147	2.60E-01	8.50E+00	0.38		2.3			
Dichlorodifluoromethane	75-71-8	120.91	1.00E+02	3.50E+03	0.39	J	1.9			
1,1-Dichloroethane	75-34-3	98.96	1	60	0.20	U	0.81			
1,2-Dichloroethane	107-06-2	98.96	1.10E-01	3.60E+00	0.20	U	0.81			
1,1-Dichloroethene	75-35-4	96.94	1	60	0.20	U	0.79			
1,2-Dichloroethene (cis)	156-59-2	96.94	1	60	0.20	U	0.79			
1,2-Dichloroethene (trans)	156-60-5	96.94	-	-	0.20	U	0.79			
1,2-Dichloropropane	78-87-5	112.99	2.80E-01	9.40E+00	0.20	U	0.92			
1,3-Dichloropropene (cis)	10061-01-5	110.97	-	-	0.20	U	0.91			
1,3-Dichloropropene(trans)	10061-02-6	110.97	-	-	0.20	U	0.91			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	-	-	0.20	U	1.4			
1,4-Dioxane	123-91-1	88.11	5.60E-01	1.90E+01	5.0	U	18			
Ethanol	64-17-5	46.07	-	-	0.96	J	1.8			
Ethylbenzene	100-41-4	106.17	1.10E+00	3.70E+01	0.20	U	0.87			
4-Ethyltoluene	622-96-8	120.2	-	-	0.20	U	0.98			
n-Heptane	142-82-5	100.21	-	-	0.20	U	0.82			
1,3-Hexachlorobutadiene	87-68-3	260.76	1.30E-01	4.30E+00	0.20	U	2.1			

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					*ppbv*		*ug/m3*			
n-Hexane	110-54-3	86.172	7.30E+02	2.40E+04	0.20	U	0.7			
Isopropanol	67-63-0	60.1	2.10E+02	7.00E+03	0.42	J	1			
Methylene chloride	75-09-2	84.93	10	1000	0.33	J	1.2			
Methyl ethyl ketone	78-93-3	72.11	5.20E+03	1.70E+05	1.6		4.7			
Methyl isobutyl ketone	108-10-1	100.16	3.10E+03	1.00E+05	0.50	U	2			
Methyl methacrylate	80-62-6	100.12	7.30E+02	2.40E+04	0.50	U	2			
Methyl tert-butyl ether	1634-04-4	88.15	1.10E+01	3.60E+02	0.20	U	0.72			
Styrene	100-42-5	104.15	1.00E+03	3.50E+04	0.20	U	0.85			
Tert-butyl alcohol	75-65-0	74.12	-	-	5.0	U	15			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	4.80E-02	1.60E+00	0.20	U	1.4			
Tetrachloroethene	127-18-4	165.83	10	1000	1.2		7.9			
Tetrahydrofuran	109-99-9	72.11	2.10E+03	7.00E+04	5.0	U	15			
Toluene	108-88-3	92.14	5.20E+03	1.70E+05	0.21		0.8			
1,2,4-Trichlorobenzene	120-82-1	181.45	2.10E+00	7.00E+01	0.50	U	3.7			
1,1,1-Trichloroethane	71-55-6	133.41	10	1000	0.20	U	1.1			
1,1,2-Trichloroethane	79-00-5	133.41	1.80E-01	5.80E+00	0.20	U	1.1			
Trichloroethene	79-01-6	131.39	1	60	0.20	U	1.1			
Trichlorofluoromethane	75-69-4	137.37	-	-	0.17	J	0.98			
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.38	3.10E+04	1.00E+06	0.048	J	0.37			
1,2,4-Trimethylbenzene	95-63-6	120.2	7.30E+00	2.40E+02	0.31		1.5			
1,3,5-Trimethylbenzene	108-67-8	120.2	-	-	0.073	J	0.36			
2,2,4-Trimethylpentane	540-84-1	114.23	-	-	0.20	U	0.93			
Vinyl bromide	593-60-2	106.96	8.80E-02	2.90E+00	0.20	U	0.87			
Vinyl chloride	75-01-4	62.5	0.2	60	0.20	U	0.51			
Xylenes (m&p)	179601-23-1	106.17	-	-	0.14	J	0.6			
Xylenes (o)	95-47-6	106.17	1.00E+02	3.50E+03	0.077	J	0.34			
Naphthalene	91-20-3	128.17	8.30E-02	2.80E+00	0.50	U	2.6			

Volatile Tentatively Identified Compounds (up to 30 compounds)

Unknown					2.0	J		4.03		
Unknown alkane					1.4	J		21.76		
Unknown alkane					12	J		23.58		

NYSDOH Air Guideline Values are highlighted in green
All others are EPA Values

Laboratory Name: TAL-Burlington
Laboratory City: South Burlington,VT

APPENDIX G

Community Air Monitoring Plan (CAMP)

Community Air Monitoring Plan

Chicken Island
Brownfield Cleanup Program Site #C360083
City of Yonkers, Westchester County, New York

1.0 INTRODUCTION

This document presents a Community Air Monitoring Plan for the Chicken Island Brownfield Cleanup Program (BCP) site (BCP Site No. C360083) (The Site) in the City of Yonkers, Westchester County, New York.

The Site is currently comprised of a municipal parking area, a vacant area formerly containing building developments, several side streets, and a grassy knoll area. The Site is bounded by Palisade Avenue to the north, New School Street to the east, Nepperhan Avenue to the south, and New Main Street to the West. The Site is a portion (western portion) of the original, 12.95-acre (approximate) BCP Site that entered into the BCP Agreement on December 12, 2006. The development plans for the Site are currently unknown.

The findings of all previous environmental investigations performed to date are detailed in SESI's Remedial Action Work Plan (RAWP), dated December 20, 2007 and approved by the NYSDEC on June 26, 2008.

1.1 OBJECTIVES

The objective of this CAMP is to provide a measure of protection for the downwind community from potential airborne contaminant releases that may arise as a result of the planned remedial excavation and construction, which may include temporary soil stockpiling and soil/rock placement to construct the cap and the rip-rap.

1.2 METHODS

The CAMP will include monitoring for particulate matter (e.g., airborne "dust") during the planned remedial excavation and construction that includes the temporary soil stockpiling, and soil/rock placement to construct the cap and the rip-rap. Readings will

be recorded and will be available for State (DEC and DOH) personnel to review, as requested.

The imported soils to be installed as capping system are not expected to contain any VOC and therefore VOC monitoring will not be conducted.

1.2.2 PARTICULATE MONITORING

When deemed by SESI to be applicable, particulate (e.g. “dust”) emissions will be measured continuously at the upwind and downwind work zone boundaries. Real time monitoring equipment (e.g. Trak TSI Dust monitors or equivalent), with audible alarms and capable of measuring particulate matter less than 10 micrometers in size (PM-10), will be used. If the wind is calm, the monitors should be placed between each work area and the nearest sensitive receptors (i.e. the Saw Mill River culvert areas/and or any adjacent residential properties). If the wind is variable, the monitors must be placed accordingly to ensure there is a monitor downwind of each work area at all times. Figure 1 of this CAMP contains proposed air monitoring locations that will be selected daily based on prevailing wind conditions and specific locations where field-work is to be conducted on a daily basis.

- If the downwind particulate level is 100 micrograms per cubic meter (ug/m3) greater than background (upwind) for a 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression provided that downwind particulate levels do not exceed 150 ug/m3 above upwind levels and provided that no visible dust is migrating from the work area.
- If, after dust suppression techniques, downwind particulate levels are greater than 150 ug/m3 above upwind levels, work will be stopped and a re-evaluation of activities will be initiated. Work will resume, provided that dust suppression measures and other controls are successful in reducing downwind particulate concentrations to within 150 ug/m3 of the upwind level and in preventing visible dust migration.
- All readings must be recorded and be available for State (NYSDEC and NYSDOH) and County Health personnel to review.

LEGEND:

- PROPOSED AIR MONITORING LOCATIONS

SCALE: 1"=150'

0 150 300

NOTES:
TWO (2) AIR MONITORING LOCATIONS WILL BE SELECTED DAILY BASED ON PREVAILING WIND DIRECTION AND THE SPECIFIC LOCATION OF DAILY FIELD - WORK AREAS

REFERENCE:
SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC, DATED OCTOBER 13, 2006.

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

PROPOSED AIR MONITORING LOCATIONS

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

FIG-1

DRAWN BY: yy
CHECKED BY: FD
SCALE: 1" = 150'
DATE: 04/28/17
JOB NO.: 7190A

N:\ACAD\7190A\7190A AIR MONITORING LOCATION.dwg, FIG-1, 4/28/2017 3:44:14 PM, 1:1

N:\ACAD\7190A\7190A AIR MONITORING LOCATION.DWG 04/28/17 03:44:15PM, jenny, LAYOUT:FIG-1

APPENDIX H – QUALITY ASSURANCE PROJECT PLAN

All sampling and analyses will be performed in accordance with the requirements of the Quality Assurance Project Plan (QAPP) prepared for the site. Main Components of the QAPP include:

- QA/QC Objectives for Data Measurement;
- Sampling Program:
  - Sample containers will be properly washed, decontaminated, and appropriate preservative will be added (if applicable) prior to their use by the analytical laboratory. Containers with preservative will be tagged as such.
  - Sample holding times will be in accordance with the NYSDEC ASP requirements.
  - Field QC samples (e.g., trip blanks, coded field duplicates, and matrix spike/matrix spike duplicates) will be collected as necessary.
- Sample Tracking and Custody;
- Calibration Procedures:
  - All field analytical equipment will be calibrated immediately prior to each day's use. Calibration procedures will conform to manufacturer's standard instructions.
  - The laboratory will follow all calibration procedures and schedules as specified in USEPA SW-846 and subsequent updates that apply to the instruments used for the analytical methods.
- Analytical Procedures;
- Preparation of a Data Usability Summary Report (DUSR), which will present the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method.
- Internal QC and Checks;
- QA Performance and System Audits;
- Preventative Maintenance Procedures and Schedules;
- Corrective Action Measures.
- Assessing achievement of the remedial performance criteria.
- Preparing the necessary reports for the various monitoring activities.
- Reporting requirements;
- Quality Assurance/Quality Control (QA/QC) requirements;

APPENDIX I

SITE MANAGEMENT FORMS

This Appendix should include all site-specific site management forms including site inspection form, routine operation and maintenance forms and non-routine operations and maintenance forms for the site. The forms should be completed during site maintenance activities and provided to the NYSDEC in electronic format in accordance with the reporting requirements specified in Section 7.0 of the SMP. All forms presented are subject to approval of the NYSDEC and should include the minimum reporting requirements as described in Section 7.0.

Summary of Green Remediation Metrics for Site Management

Site Name: _____ Site Code: _____
Address: _____ City: _____
State: _____ Zip Code: _____ County: _____

Initial Report Period (Start Date of period covered by the Initial Report submittal)
Start Date: _____

Current Reporting Period
Reporting Period From: _____ To: _____

Contact Information
Preparer's Name: _____ Phone No.: _____
Preparer's Affiliation: _____

I. Energy Usage: Quantify the amount of energy used directly on-site and the portion of that derived from renewable energy sources.

	Current Reporting Period	**Total to Date**
Fuel Type 1 (e.g. natural gas (cf))		
Fuel Type 2 (e.g. fuel oil, propane (gals))		
Electricity (kWh)		
Of that Electric usage, provide quantity:		
Derived from renewable sources (e.g. solar, wind)		
Other energy sources (e.g. geothermal, solar thermal (Btu))		

Provide a description of all energy usage reduction programs for the site in the space provided on Page 3.

II. Solid Waste Generation: Quantify the management of solid waste generated on-site.

	Current Reporting Period (tons)	**Total to Date (tons)**
Total waste generated on-site		
OM&M generated waste		
Of that total amount, provide quantity:		
Transported off-site to landfills		
Transported off-site to other disposal facilities		
Transported off-site for recycling/reuse		
Reused on-site		

Provide a description of any implemented waste reduction programs for the site in the space provided on Page 3.

III. Transportation/Shipping: Quantify the distances travelled for delivery of supplies, shipping of laboratory samples, and the removal of waste.

	Current Reporting Period (miles)	**Total to Date (miles)**
Standby Engineer/Contractor		
Laboratory Courier/Delivery Service		
Waste Removal/Hauling		

Provide a description of all mileage reduction programs for the site in the space provided on Page 3. Include specifically any local vendor/services utilized that are within 50 miles of the site.

IV. Water Usage: Quantify the volume of water used on-site from various sources.

	Current Reporting Period (gallons)	**Total to Date (gallons)**
Total quantity of water used on-site		
Of that total amount, provide quantity:		
Public potable water supply usage		
Surface water usage		
On-site groundwater usage		
Collected or diverted storm water usage		

Provide a description of any implemented water consumption reduction programs for the site in the space provided on Page 3.

V. Land Use and Ecosystems: Quantify the amount of land and/or ecosystems disturbed and the area of land and/or ecosystems restored to a pre-development condition (i.e. Green Infrastructure).

	Current Reporting Period (acres)	**Total to Date (acres)**
Land disturbed		
Land restored		

Provide a description of any implemented land restoration/green infrastructure programs for the site in the space provided on Page 3.

Description of green remediation programs reported above (Attach additional sheets if needed)
Energy Usage:
Waste Generation:
Transportation/Shipping:
Water usage:
Land Use and Ecosystems:
Other:

CERTIFICATION BY CONTRACTOR
I, _____ (**Name**) do hereby certify that I am _____ (**Title**) of the Company/Corporation herein referenced and contractor for the work described in the foregoing application for payment. According to my knowledge and belief, all items and amounts shown on the face of this application for payment are correct, all work has been performed and/or materials supplied, the foregoing is a true and correct statement of the contract account up to and including that last day of the period covered by this application. _____ **Date** **Contractor**

COMPOSITE COVER SYSTEM INSPECTION CHECKLIST

CHICKEN ISLAND
WESTCHESTER COUNTY
YONKERS, NEW YORK
NYSDEC BCP No. C360083
SESI CONSULTING ENGINEERS PROJECT # 7190

COMPOSITE COVER SYSTEM

- Is the integrity of the cover system in tact? Yes ___ No ___

- Do the maintenance records indicate any invasive subsurface work has been completed after the last inspection? Yes ___ No ___

- Has any soil been removed or imported from the Site since the last inspection? Yes ___ No ___

- If soil has been disposed off-Site or imported, has this been completed in accordance with the NYSDEC approved Soil Management Plan for the Site? Yes ___ No ___

- If subsurface invasive work was undertaken, has the demarcation geotextile and the “clean soil cover” been restored? Yes ___ No ___

- Did a Professional Engineer or a qualified environmental professional (approved by the NYSDEC) oversee the above work? Yes ___ No ___

- Was NYSDEC notified of the disturbances to the “Clean Soil Cover” ? Yes ___ No ___

- List of all reported disturbances since last inspection:

_____
_____
_____
_____

INSPECTION CHECKLIST

CHICKEN ISLAND
WESTCHESTER COUNTY
YONKERS, NEW YORK
NYSDEC BCP No. C360083
SESI CONSULTING ENGINEERS PROJECT # 7190

COMPOSITE COVER SYSTEM

- Is the integrity of the cover system in tact? Yes ___ No ___
- Do the maintenance records indicate any invasive subsurface work has been completed after the last inspection? Yes ___ No ___
- Has any soil been removed or imported from the Site since the last inspection? Yes ___ No ___
- If soil has been disposed off-Site or imported, has this been completed in accordance with the NYSDEC approved Soil Management Plan for the Site? Yes ___ No ___
- If subsurface invasive work was undertaken, has the demarcation geotextile and the "clean soil cover" been restored? Yes ___ No ___
- Did a Professional Engineer or a qualified environmental professional (approved by the NYSDEC) oversee the above work? Yes ___ No ___
- Was NYSDEC notified of disturbances to the "Clean Soil Cover" ? Yes ___ No ___
- List of all reported disturbances since last inspection:

_____
_____
_____
_____

SUB-SLAB VENTING/DEPRESSURIZATION SYSTEM (SSDS) (WHEN NEEDED)

- Is the SSDS operating as designed? Yes ___ No ___
- Do the maintenance records indicate any problems since the last inspection (e.g., broken vent pipes, clogged sub-slab drainage pipes, odors reported by residents and others etc.) Yes ___ No ___
- Did an inspection of the concrete slab above the SSDS indicate new cracks or other breaches (e.g., new utilities going through the slab, etc.)? Yes ___ No ___
- Have the cracks been sealed? Yes ___ No ___

INSPECTION CHECKLIST

CHICKEN ISLAND
WESTCHESTER COUNTY
YONKERS, NEW YORK
NYSDEC BCP No. C360083
SESI CONSULTING ENGINEERS PROJECT # 7190

- Is the labeling associated with the system in tact? Yes ___ No ___

- Has the annual indoor sampling been completed? Yes ___ No ___

- Has the NYSDEC been notified of any problem with the SSDS? Yes ___ No ___

MONITORING WELL NETWORK

- Are all the on-Site monitoring wells accessible for annual compliance sampling (i.e., they are not covered by soil, dumpsters, etc.)? Yes ___ No ___

- Is the integrity of the flush-mount/stickup manhole covers And associated concrete pads intact? Yes ___ No ___

- Are the monitoring wells locked and the locks functioning? Yes ___ No ___

Absorbent Socks (MW 58,60,61)

- Are the socks still present? Yes ___ No ___

- Are the socks half immersed in water? Yes ___ No ___

- Is the attachment line still intact? Yes ___ No ___

GROUNDWATER SAMPLING LOG

Location: ____________________ Job No.: ____________________

Sampler(s): ____________________ Date: ____________________

Sampling Equipment: ____________________ Purging Equipment: ____________________

Well Identification	Point of Reference (PVC/RIM)	Total Depth of Well (feet)	Depth to Product (feet)	Depth to Water (feet)	Standing Water Height (feet)	* Static Volume (gallon)	Volume Purged	Odors (Y / N)	Product Thickness (feet)	Temp (degrees) F or C	Specific Conduct	pH	ORP	DO	Abs. Sock Present (Y / N)	Sock Product Meas. (Inches)	Notes

FIELD INSTRUMENTATION		MANUFACTURER/MODEL	ID. NUMBER	CALIBRATION
I-Probe				
Low Flow				
P. Pump				

(Characterization of odors, Products, Ect.)

Where (r) specified the inside radius of the well (inches) and (H) is the the standing water height.

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:				**Job Number:**		**WELL I.D.**			
Personnel:				**Date:**					
Stickup? Y/N **Distance ground to Stickup Rim/PVC**	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
Turbidity at collection (NTU):			**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 15 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
Well Condition Summary									
Cover: Y / N		**Bolts Y / N**		**Conc Pad OK Y / N**		**Gripper Y / N**			
Sample Collection Infortmation									
Sample Time		**Appearance:**		**Filtered Sample Turbiddity:**			**OTHER:**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =	**3**	**Capaciy (Qt.) =**	**1**	**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

APPENDIX J
RESPONSIBILITIES of
OWNER and REMEDIAL PARTY

Responsibilities

This section will be completed in the updated SMP

The responsibilities for implementing the Site Management Plan ("SMP") for the Chicken Island site (the "site"), number NYSDEC BCP No.: C360083, are divided between the site owner(s) and a Remedial Party, as defined below. The owner(s) is/are currently listed as: The City of Yonkers, Fleet New Main Street LLC, and Yonkers Community Development Agency (the "owners") . Each Owners respective address as contact is as follows:

Fleet New Main Street LLC
Marc Berson,
225 Millburn Avenue, Suite 202,
Millburn, NJ 07041

City of Yonkers,
Corporation Counsel
Michael Curti, Esq.
40 South Broadway, 2nd Floor
Yonkers, NY 10701

Yonkers Community Development Agency
Mayor Michael Spano, Chairman
87 Nepperhan Avenue, Suite 312
Yonkers, NY 10701

Solely for the purposes of this document and based upon the facts related to a particular site and the remedial program being carried out, the term Remedial Party ("RP") refers to any of the following: certificate of completion holder, volunteer, applicant, responsible party, and, in the event the New York State Department of Environmental Conservation ("NYSDEC") is carrying out remediation or site management, the NYSDEC and/or an agent acting on its behalf. The RP is: SFC Yonkers, LLC, Contact: Marc Berson, 225 Millburn Avenue, Suite 202, Millburn, NJ 07041.

Nothing on this page shall supersede the provisions of an Environmental Easement, Consent Order, Consent Decree, agreement, or other legally binding document that affects rights and obligations relating to the site.

Site Owner's Responsibilities:

1) The Owners shall follow the provisions of the SMP as they relate to future construction and excavation at the Site.

2) In accordance with a periodic time frame determined by the NYSDEC, the owner shall periodically certify, in writing, that all Institutional Controls set forth in their respective Environmental Easement remain in place and continue to be complied with. The Owners shall provide a written certification to the RP, upon the RP's request, in order to allow the RP to include the certification in the Site's Periodic Review Report (PRR) certification to the NYSDEC.

3) In the event the Site's COC is revoked, each Owner remains bound by their Environmental Easement and shall submit, upon request by the NYSDEC, a written certification that each Environmental Easement is still in place and has been complied with.

4) The Qwners shall grant access to the Site to the RP and the NYSDEC and its agents for the purposes of performing activities required under the SMP and assuring compliance with the SMP.

5) The Owners are responsible for assuring the security of the remedial components located on its property to the best of their ability. In the event that damage to the remedial components or vandalism is evident, the Owners shall notify the Site's RP and the NYSDEC in accordance with the timeframes indicated in Section 1.3Notifications.

6) In the event some action or inaction by the owner adversely impacts the site, the Owners must notify the site's RP and the NYSDEC in accordance with the time frame indicated in Section 1.3- Notifications and (ii) coordinate the performance of necessary corrective actions with the RP.

7) The Owners must notify the RP and the NYSDEC of any change in ownership of the Site property (identifying the tax map numbers in any correspondence) and provide contact information for the new owner of the Site properties. 6 NYCRR Part 375 contains notification requirements applicable to any construction or activity changes and changes in ownership. Among the notification requirements is the following: Sixty days prior written notification must be made to the NYSDEC for a change in use. Notification is to be submitted to the NYSDEC Division of Environmental Remediation's Site Control Section. Notification requirements for a change in use are detailed in Section 1.3 of the SMP. A 60-Day Advance Notification Form and Instructions are found at http://www.dec.ny.gov/chemical/76250.html.

8) The RP remains ultimately responsible for maintaining the engineering controls and will provide a change of use form if a transfer of responsibility occurs in the future.

9) If the Site development in the future requires the installation, operation, and/or maintenance of an on-site vapor intrusion mitigation system: Until such time as the NYSDEC deems the vapor mitigation system unnecessary, the owner shall operate the system, pay for the utilities for the system's operation, and report any maintenance issues to the RP and the NYSDEC.

10) In accordance with the tenant notification law, within 15 days of receipt, the owner must supply a copy of any vapor intrusion data, that is produced with respect to structures and that exceeds NYSDOH or OSHA guidelines on the site, whether produced by the NYSDEC, RP, or owner, to the tenants on the property. The owner must otherwise comply with the tenant and occupant notification provisions of Environmental Conservation Law Article 27, Title 24.

Remedial Party Responsibilities

1) The RP must follow the SMP provisions regarding any construction and/or excavation it undertakes at the site.

2) The RP shall report to the NYSDEC all activities required for remediation, operation, maintenance, monitoring, and reporting. Such reporting includes, but is not limited to, periodic review reports and certifications, electronic data deliverables, corrective action work plans and reports, and updated SMPs.

3) Before accessing the Site property to undertake a specific activity, the RP shall provide the Owners advance notification that shall include an explanation of the work expected to be completed. The RP shall provide to (i) the Owners, upon the Owners' request, (ii) the NYSDEC, and (iii) other entities, if required by the SMP, a copy of any data generated during the Site visit and/or any final report produced.

4) If the NYSDEC determines that an update of the SMP is necessary, the RP shall update the SMP and obtain final approval from the NYSDEC. Within 5 business days after NYSDEC approval, the RP shall submit a copy of the approved SMP to the owner(s).

5) The RP shall notify the NYSDEC and the owner of any changes in RP ownership and/or control and of any changes in the party/entity responsible for the operation, maintenance, and monitoring of and reporting with respect to any remedial system (Engineering Controls). The RP shall provide contact information for the new

party/entity. Such activity constitutes a Change of Use pursuant to 375-1.11(d) and requires 60-days prior notice to the NYSDEC. A 60-Day Advance Notification Form and Instructions are found at http://www.dec.ny.gov/chemical/76250.html .

6) The RP shall notify the NYSDEC of any damage to or modification of the systems as required under Section 1.3 - Notifications of the SMP.

7) The RP is responsible for the proper maintenance of any installed vapor intrusion mitigation systems associated with the site, as required in Section 5 (Operation, Monitoring and Maintenance Manual) of the SMP.

8) Prior to a change in use that impacts the remedial system or requirements and/or responsibilities for implementing the SMP, the RP shall submit to the NYSDEC for approval an amended SMP.

9) Any change in use, change in ownership, change in site classification (*e.g*., delisting), reduction or expansion of remediation, and other significant changes related to the site may result in a change in responsibilities and, therefore, necessitate an update to the SMP and/or updated legal documents. The RP shall contact the Department to discuss the need to update such documents.

Change in RP ownership and/or control and/or site ownership does not affect the RP's obligations with respect to the site unless a legally binding document executed by the NYSDEC releases the RP of its obligations.

Future site owners and RPs and their successors and assigns are required to carry out the activities set forth above.

APPENDIX K – EXCAVATION WORK PLAN (EWP)

EWP-1 NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination, the site owner or their representative will notify the Department. Currently, this notification will be made to:

Matthew Hubicki
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, Section A
625 Broadway, 11th Floor
Albany, NY 12233-7014

Site Control Section
Bureau of Technical Support
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020

This notification will include:

- A detailed description of the work to be performed, including the location and area extent, plans for site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control,
- A summary of environmental conditions anticipated in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work,
- A summary of the applicable components of this EWP,
- A statement that the work will be performed in compliance with this EWP and 29 CFR 1910.120,
- A copy of the contractor's health and safety plan, in electronic format, if it differs from the HASP provided by SESI,

- Identification of disposal facilities for potential waste streams,
- Identification of sources of any anticipated backfill, along with all required chemical testing results.

EWP-2 SOIL SCREENING METHODS

Visual, olfactory and instrument-based soil screening will be performed by a qualified environmental professional during all remedial and development excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed regardless of when the invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the COC.

Soils will be segregated based on previous environmental data and screening results into material that requires off-site disposal, material that requires testing, material that can be returned to the subsurface, and material that can be used as cover soil.

EWP-3 STOCKPILE METHODS

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by NYSDEC.

EWP-4 MATERIALS EXCAVATION AND LOAD OUT

A qualified environmental professional or person under their supervision will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and its contractors are solely responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under this EWP is posed by utilities or easements on the site.

Loaded vehicles leaving the site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements).

A truck wash will be operated on-site, if needed. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the site until the activities performed under this section are complete.

Locations where vehicles enter or exit the site shall be inspected daily for evidence of off-site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the site are clean of dirt and other materials derived from the site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to site-derived materials.

EWP-5 MATERIALS TRANSPORT OFF-SITE

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Material transported by trucks exiting the site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

All trucks will be washed prior to leaving the site. Truck wash waters will be collected and disposed of off-site in an appropriate manner.

Truck transport routes are as follows: From their respective truck wash areas, trucks will either head north on Henry Herz Street or south on James St in order to turn onto John Street. From John Street, trucks will turn right onto New School Street and then take the first right onto Nepperhan Avenue. Trucks will head west on Nepperhan Avenue and exit onto Route 9. The truck route is shown on Figure SM.1. All trucks loaded with site materials will exit the vicinity of the site using only this approved truck route. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project site.

Egress points for truck and equipment transport from the site will be kept clean of dirt and other materials during site remediation and development.

Queuing of trucks will be performed on-site in order to minimize off-site disturbance. Off-site queuing will be prohibited.

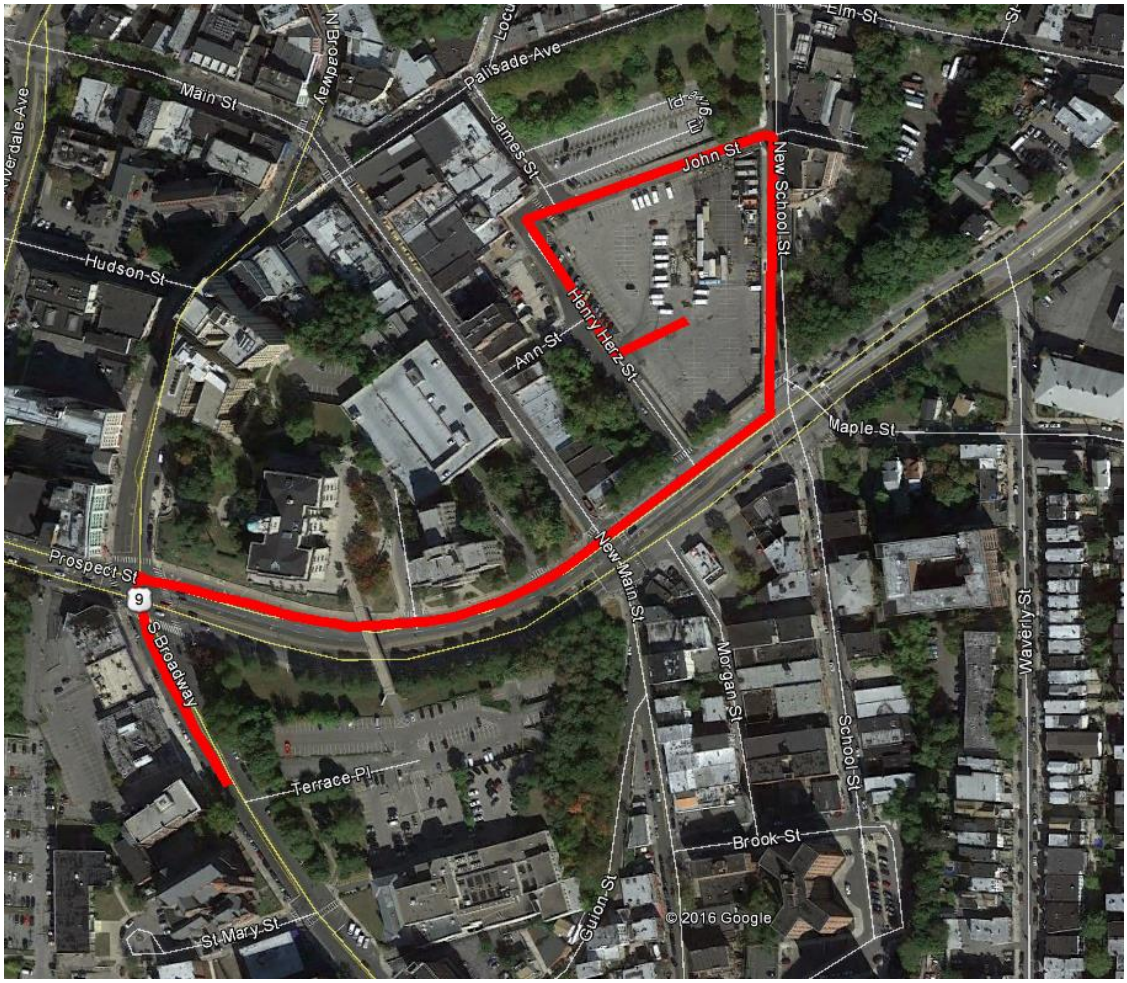


Figure EWP.1: Truck route

EWP-6 MATERIALS DISPOSAL OFF-SITE

All soil/fill/solid waste excavated and removed from the site will be treated as contaminated and regulated material and will be transported and disposed in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations. If disposal of soil/fill from this site is proposed for unregulated off-site disposal (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC. Unregulated off-site management of materials from this site will not occur without formal NYSDEC approval.

Off-site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C/D recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2. Material that does not meet Track 1 unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

EWP-7 MATERIALS REUSE ON-SITE

Soil excavated during the site redevelopment, based on known information about on-site contamination distribution and field screening results, will be managed as two waste streams in separate stockpiles, contaminated (exceeding Restricted-Residential Soil Cleanup Objectives) and uncontaminated soil.

Contaminated soil that is "grossly" contaminated will be disposed off-Site in accordance with the applicable SCGs. [See definition of grossly contaminated soil, Part 375-1.2(u)]. Contaminated and clean soil to be reused on-site will be sampled at a frequency of 1 composite sample every 5,000 cubic yards. Each of the composite samples will be generated by combining five (5) grab samples. Subsequently, the samples will be analyzed for VOCs, SVOCs, PCBs, Pesticides and Metals (including hexavalent chromium).

A majority of the site is currently "capped" with buildings, parking lots and other impervious surfaces. Soil that will be utilized as the "capping" material in landscaped areas will meet the Restricted-Residential SCO criteria.

The detailed logistics of the soil handling (i.e., location and size of the soil staging areas) will be included in the soil management plan.

The Remedial Engineer will ensure that procedures defined for materials reuse in this RAWP are followed and that unacceptable material will not remain on-Site.

Acceptable demolition material proposed for reuse on-Site, if any, will be sampled for asbestos.

Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the Site will not be reused on-Site.

Contaminated on-Site material, including historic fill and contaminated soil, removed for grading or other purposes will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines. This will be expressed in the final Site Management Plan.

EWP-8 FLUIDS MANAGEMENT

All liquids to be removed from the site, including excavation dewatering and groundwater monitoring well purge and development waters, will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the site, but will be managed off-site.

Discharge of water generated during large-scale construction activities to surface waters (i.e. a local pond, stream or river) will be performed under a SPDES permit.

EWP-9 COVER SYSTEM RESTORATION

After the completion of soil removal and any other invasive activities the cover system will be restored in a manner that complies with the decision document. The demarcation layer, consisting of orange snow fencing material or equivalent material will be replaced to provide a visual reference to the top of the 'Remaining Contamination Zone', the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in this Site Management Plan. If the type of cover system changes from that which exists prior to the excavation (i.e., a soil cover is replaced by

asphalt), this will constitute a modification of the cover element of the remedy and the upper surface of the 'Remaining Contamination. A figure showing the modified surface will be included in the subsequent Periodic Review Report and in any updates to the Site Management Plan.

EWP-10 BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the site will be approved by the qualified environmental professional and will be in compliance with provisions in this EWP prior to receipt at the site. The approval documents should include history of the source site, DOT certification if any, and previous analytical results, if any. The material should also by approved by the NYSDEC prior to import on site.

Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the site.

All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d). Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria, the resulting soil quality are as listed in the restricted residential soil clean-up criteria (DER-10 Appendix 5). Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this site, will not be imported onto the site without prior approval by NYSDEC. Solid waste will not be imported onto the site.

Fill other than soil such as rock or concrete/brick should follow the requirements listed in 5.4(e)5 of DER-10.

All import material will be sampled at a frequency in accordance with DER-10 Table 5.4(e) 10 "Recommended Number of Soil Samples for Soil Imported To or Exported from a Site." The samples will be analyzed for the EPAs target analyte list/total contaminant list (TCL/TAL) at an ELAP certified laboratory.

Trucks entering the site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

EWP-11 STORMWATER POLLUTION PREVENTION

Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by NYSDEC. All necessary repairs shall be made immediately. A site specific storm water pollution prevention plan (SWPP) will be provided in addition to this EWP.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional.

All undercutting or erosion of the silt fence to anchor shall be repaired immediately with appropriate backfill materials.

Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the EWP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters

Silt fencing or hay bales will be installed around the entire perimeter of the construction area.

EWP-12 CONTINGENCY PLAN

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for full a list of analytes (TAL metals; TCL volatiles and

semi-volatiles, TCL pesticides and PCBs), unless the site history and previous sampling results provide a sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone to NYSDEC's Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will be also included in the periodic reports prepared pursuant to the Remedial Action Work Plan, prepared by SESI and approved by the NYSDEC in May 2017.

EWP-13 COMMUNITY AIR MONITORING PLAN

The locations of air sampling stations will be determined on generally prevailing wind conditions as outlined in the accompanying Community Air Monitoring Plan (CAMP) by SESI. These locations will be adjusted on a daily or more frequent basis based on actual wind directions to provide an upwind and a downwind monitoring station.

Exceedances of action levels listed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers.

A generic CAMP will be provided as part of the NYSDEC submittals that are submitted along with this report. The CAMP includes the action levels to be used, methods for air monitoring, analytes to be measured, and instrumentation to be used.

EWP-14 ODOR CONTROL PLAN

This odor control plan is capable of controlling emissions of nuisance odors off-site. Specific odor control methods to be used on a routine basis will include VOC and H2S monitoring and, if needed, ammonia. If nuisance odors are identified at the site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of any other

complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the property owner's Remediation Engineer, and any measures that are implemented will be discussed in the Periodic Review Report.

All necessary means will be employed to prevent on- and off-site nuisances. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-site disposal; (e) use of chemical odorants in spray or misting systems; and, (f) use of staff to monitor odors in surrounding neighborhoods.

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting/filtering systems.

EWP-15 DUST CONTROL PLAN

A dust suppression plan that addresses dust management during invasive on-site work will include, at a minimum, the items listed below:

- Dust suppression will be achieved through the use of a dedicated on-site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing of larger sites will be done in stages to limit the area of exposed, un-vegetated soils vulnerable to dust production.
- Gravel will be used on roadways to provide a clean and dust-free road surface.

- On-site roads will be limited in total area to minimize the area required for water truck sprinkling.

EWP-16 OTHER NUISANCES

A plan for rodent control will be developed and utilized by the contractor prior to and during site clearing and site grubbing, and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.

APPENDIX L – HEALTH AND SAFETY PLAN

A Health and Safety plan (HASP) and associated Community Air Monitoring Plan (CAMP) will be prepared by a qualified person in accordance with the most recently adopted and applicable general industry (29 CFR 1910) and construction (29 CFR 1926) standards of OSHA, the U.S. Department of Labor, as well as any other federal, state or local applicable statutes or regulations. The CAMP must include the appropriate requirements identified by the NYSDOH. Both documents shall be prepared in accordance with NYSDEC's DER-10. At a minimum, the HASP will include a description of the health and safety procedures associated with both performance monitoring of the remedial system(s) and effectiveness monitoring. A copy of the HASP will be available at the site during the conduct of all activities to which it is applicable.